

Revised Plan  
 Dt. 14/12/2014  
 C.No. 6/3444/2014  
 Asst. P.A. V. 19/11/2014  
 A.P. D.P.

- OUT LINE SPECIFICATIONS**
- P.C.C 1:5:10 FOR FOUNDATION AND P.C.C 1:4:8 FOR BASEMENT
  - BRICK WORK FOR SUPER STRUCTURE IN CM 1:5
  - PLASTERING IN CM 1:3 FOR CEILING AND CM 1:5 FOR WALL PLASTERING
  - R.C.C 1:2:4 FOR COLUMN, BEAM, SLAB LINTEL AND SUB STRUCTURE
  - TEAK WOOD FOR DOORS AND WINDOWS
  - BRICK JELLY LIME CONCRETE FOR WEATHERING COURSE WITH ONE COURSE OF PRESS TILES OR MANGROVE TILES OVER THE WEATHERING COURSE.
  - MOSAIC FLOORING

**AREA STATEMENT**

AREA OF LAND 8,712.38 SQ.FT. (809.40 SQ.MT)  
 AREA OF LAND 800.00 SQ.MT. As per Patta

FLOOR	IN SQ.FT.	IN SQ.MT.
GROUND FLOOR(COMMERCIAL)	537.18	49.92
STILT FLOOR	209.92	19.51
FIRST FLOOR	3,633.86	337.72
SECOND FLOOR	3,633.86	337.72
THIRD FLOOR	3,633.86	337.72
FOURTH FLOOR	1,260.30	117.08
TOTAL AREA	12,908.98	1,199.67

F.S.I : TOTAL BUILT UP AREA INCLUDED FOR F.S.I / PLOT AREA  
 1,199.67 / 800.00 = 1.499

FLOORS	CAR PARKING REQUIRED	TWO WHEELER PARKING REQUIRED
FIRST FLOOR	2	2
SECOND FLOOR	2	2
THIRD FLOOR	2	2
FOURTH FLOOR	1	-
REQUIRED	7 Nos.	6 Nos.
PROVIDED	8 Nos.	6 Nos.

SCHEDULE OF JOINERY	COLOUR INDEX
D1 T.W DOOR 1.07 x 2.13	PROPOSED
D2 T.W DOOR 0.91 x 2.13	ROAD
D3 T.W DOOR 0.76 x 2.13	ROAD
W1 T.W WINDOW 1.83 x 1.37	BOUNDARY
W2 T.W WINDOW 1.27 x 1.37	BOUNDARY
W3 T.W WINDOW 1.27 x 1.67	WATER LINE
V1 T.W VENTILATOR 0.76 x 0.61	SEWER LINE
V2 T.W VENTILATOR 0.61 x 0.61	SEWER LINE
FD/TW FRENCH DOOR/WINDOW 2.82 x 2.06	
RS ROLLING SHUTTER 3.00 x 2.20	

**PROPOSED RESIDENTIAL BUILDING AT PLOT No.1part, PLOT No.2part & PLOT No.II, THIRUVALLUR SALAI, K.P.NAGAR, RAMAPURAM, CHENNAI-56 BEARING SURVEY No.49/10A2, RAMAPURAM VILLAGE No. 102, AMBATTUR TALUK, KANCHEEPURAM DIST., VILLVAKKAM PANCHAYAT UNION**

SCALE : 1:100 DRG NO: 01

ALL DIMENSIONS ARE IN METER

*V. Prasi*  
 OWNER SIGNATURE

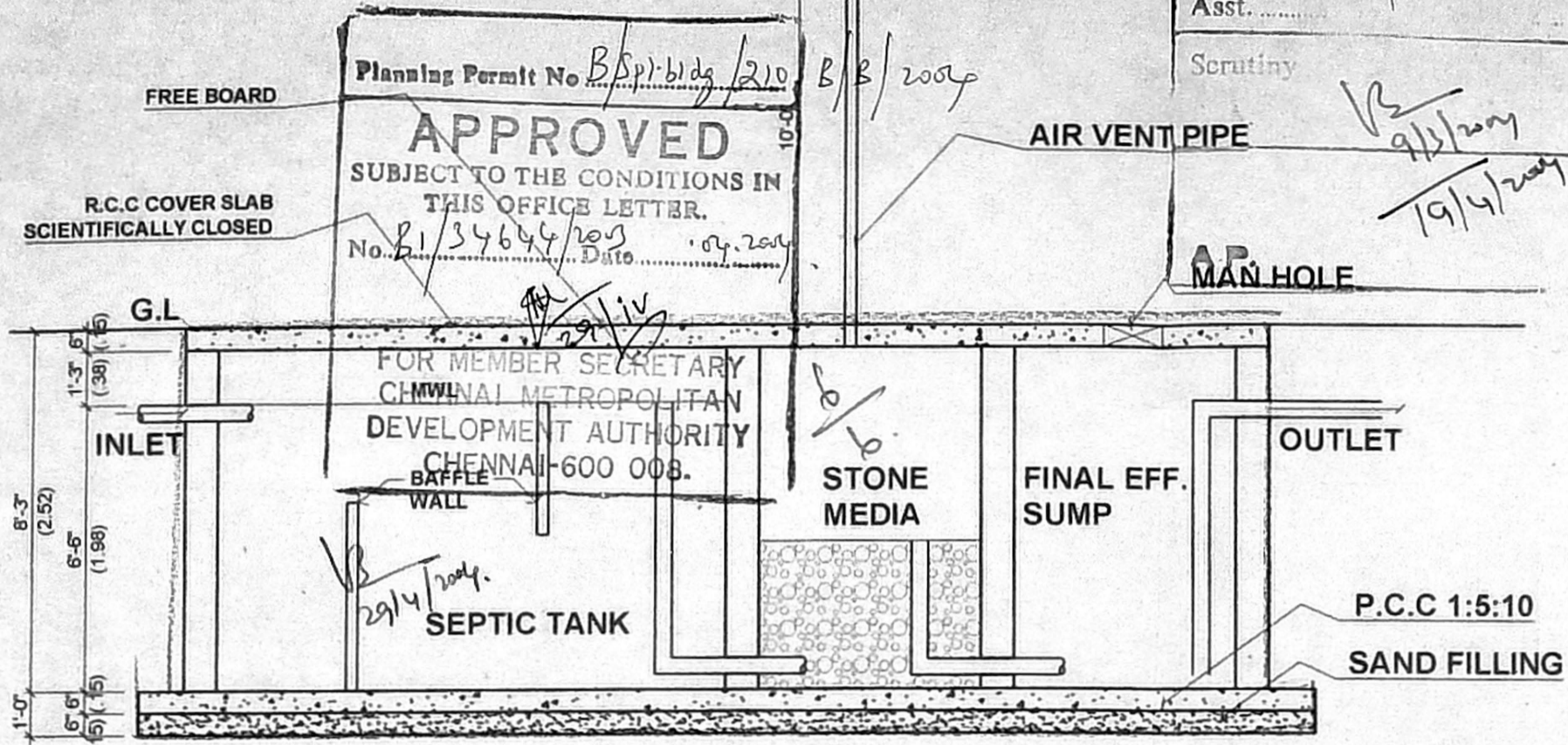
*G. Kanagaraj Amli*  
 G. KANAGARAJ AMLI  
 Consulting Civil Engineer and  
 Class II Licensed Surveyor No. 538  
 CORPORATION OF CHENNAI  
 No.217, 40 Feet Wide Survey Rd,  
 Kaveri Nagar, Sadayap, Chennai-600 031  
 Call: 944010204

LICENSED SURVEYOR

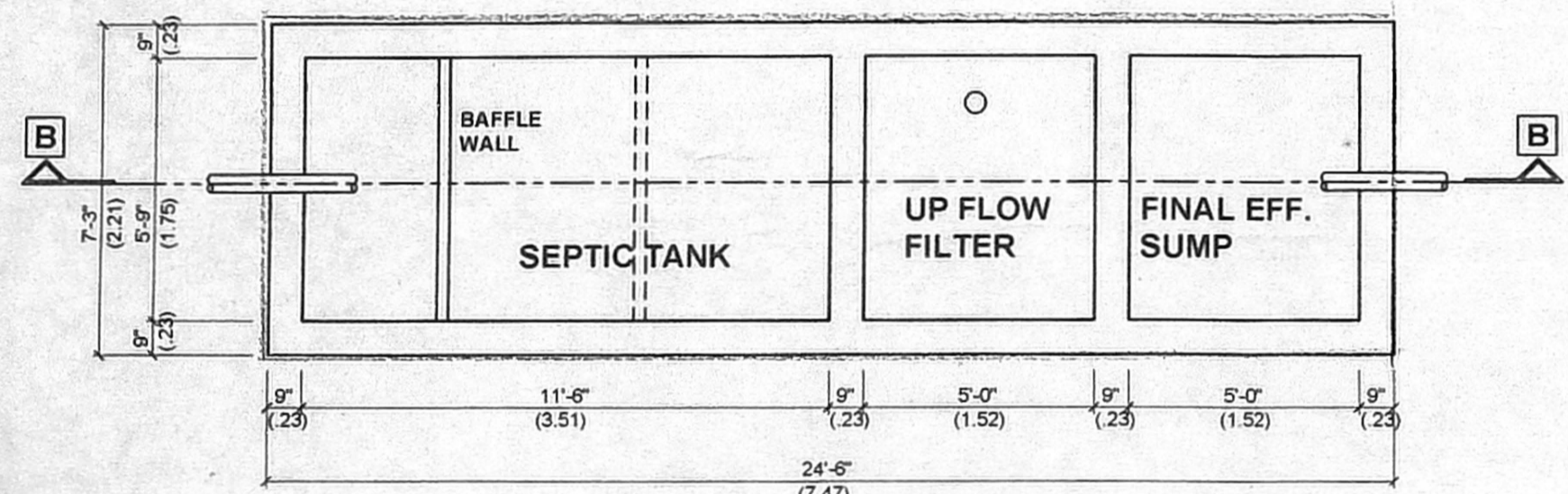
OFFICE COPY

SEPTIC TANK DETAIL

C. No. B/3464/2003  
 Asst. ....  
 Scrutiny  
 9/1/2004  
 19/4/2004



SECTION - BB  
 SCALE - 1:50



SEPTIC TANK PLAN  
 SCALE - 1:50

SEPTIC TANK WORKING SHEET

No. OF DWELLINGS	: 14 Nos. ✓
No. OF USERS	: 14 x 6 = 84 Nos. ✓
RATE OF WATER SUPPLY	: 135 x IPH x DAY
FLOW OF SEWAGE / DAY	: 84 x 135 = 11,340
DETENTION PERIOD	: 18 Hrs.
TANK CAPACITY	: 11,340 x 18 / 24 = 8,505 Litres
CLEANED EVERY YEAR, SO SLUDGE STORAGE CAPACITY AT THE RATIO OF 13.50 Litres FOR A PERSON PER YEAR	: 84 x 13.50 = 1,134
TOTAL TANK CAPACITY	: 8,505 + 1,134 = 9,639 SAY 9,700 Litres
WITH PROVISION FOR FUTURE EXPANSION, LET THE TANK CAPACITY BE	: 9,700 Litres = 9.7 Cum.
DEPTH OF THE TANK LIQUID TAKEN AS	: 2.00 Mtr
PLAN AREA OF THE TANK	: 9.70 / 2.00 = 4.85
LENGTH	: BREADTH x 2
LENGTH x BREADTH	: 2.85
2 x BREADTH x BREADTH	: 4.85
(BREADTH) <sup>2</sup>	: 6.50 / 2 = 4.85 / 2 = 2.42
BREADTH	: Sqrt (2.42) = 1.55 SAY 1.75
LENGTH	: 2 x 1.75 = 3.50 Mtr
THEREFORE LENGTH TAKEN AS	: 3.50 Mtr
DUE TO FUTURE EXPANSION, LET THE SUMP BE	: 3.50 x 1.75 x 2 Mtr
FREE BOARD OF THE TANK	: 0.40 Mtr
SIZE OF THE TANK	: 3.50 x 1.75 x 2.40 Mtr ✓
UP FLOW FILTERS: DISCHARGE FOR 84 PERSONS SAY 85	
VOLUME	: 85 x 0.25 = 21.25 Ltr
SLUDGE TANK AS 50%	
PLAN AREA REQUIRED	: (0.50 x 21.25) / 2 = 5.31
AREA	: 5.31
SAY BREADTH	: 1.75
LENGTH	: 5.31 / 1.75 = 3 Mtr ✓
SIZE OF FINAL SEPTIC TANK SAYS	
LENGTH	: 3.50 + 3.00 = 6.50 Mtr ✓
BREADTH	: 1.75 Mtr
DEPTH	: 2.00 Mtr
FREE BOARD	: 0.40 Mtr
EXTRA PROVISION FOR SLUDGE CHAMBER WITH OUT LET PROVISION	: 3'0" x 3'0" x 3'0"

SCALE : 1:100      DRG NO : 02

ALL DIMENSIONS ARE IN METER

PROPOSED RESIDENTIAL BUILDING  
 AT PLOT No.1part, PLOT No.2part &  
 PLOT No.II, THIRUVALLUVAR SALAI,  
 K.P.NAGAR, RAMAPURAM, CHENNAI-56  
 BEARING SURVEY No.49/10A2,  
 RAMAPURAM VILLAGE No. 102,  
 AMBATTUR TALUK, KANCHEEPURAM DIST.,  
 VILLIVAKKAM PANCHAYAT UNION

OWNER SIGNATURE

G. KANAGARAJ, A.M.I.E.,  
 Consulting Civil Engineer and  
 Class I, Licensed Surveyor No. 830  
 CORPORATION OF CHENNAI  
 No.22/17, Aranganathan Subway Rd,  
 Kaveri Nagar, Saidapet, Chennai-600 015  
 Cell: 9444010304.

LICENSED SURVEYOR

16/11  
 (13 Nos + 1 foreigner)