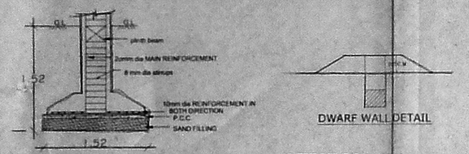
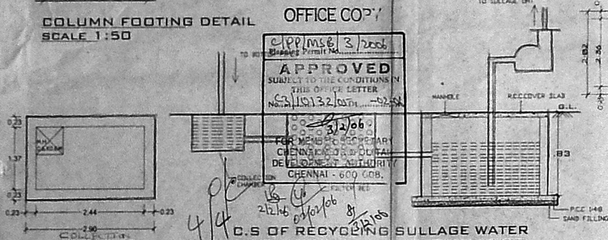


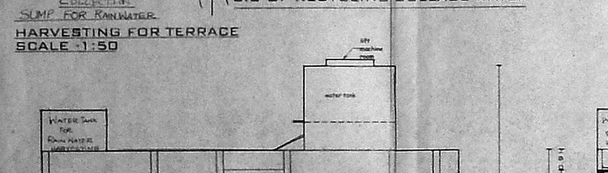
COLUMN FOOTING DETAIL
SCALE 1:50

OFFICE COPY

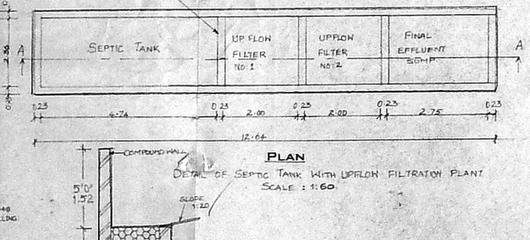
CIPP/MSB/3/2006
Building Permit No.
APPROVED
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER
No. 13132/2005 Dt. 5/12/06
FOR MEMBER SECRETARY
CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
CHENNAI - 600 008.



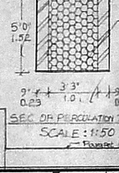
C.S OF RECYCLING SULLAGE WATER

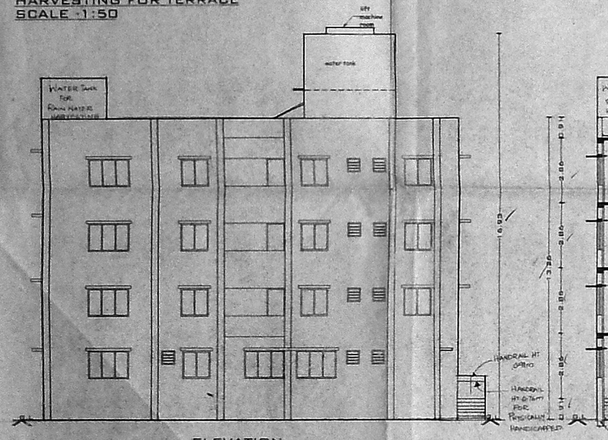


HARVESTING FOR TERRACE
SCALE :1:50

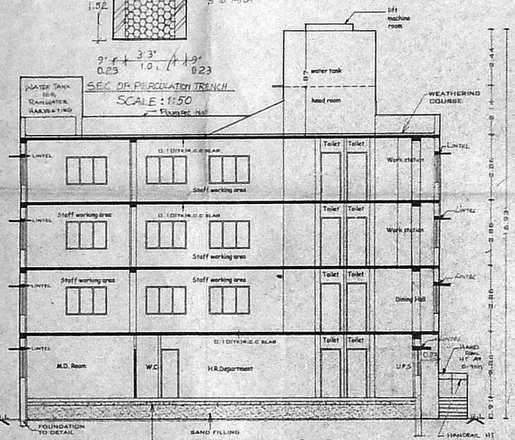


PLAN
DETAIL OF SEPTIC TANK WITH UPFLOW FILTRATION PLANT
SCALE : 1:60.



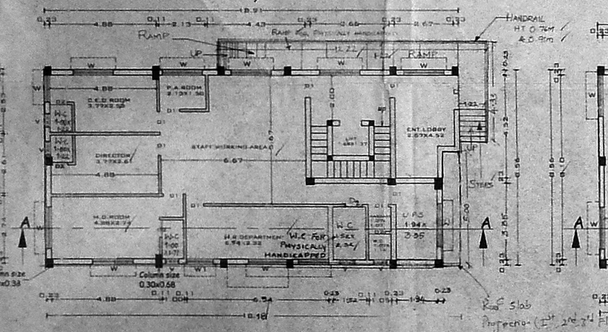


ELEVATION

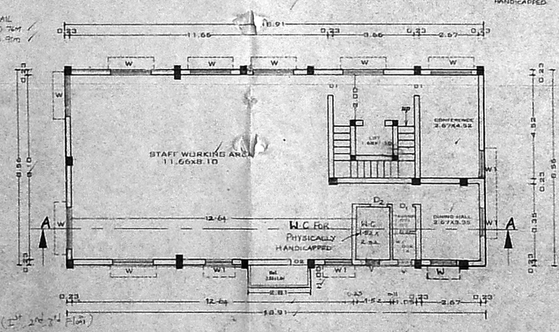


SEC OF PERCOLATION TRENCH
SCALE : 1:50

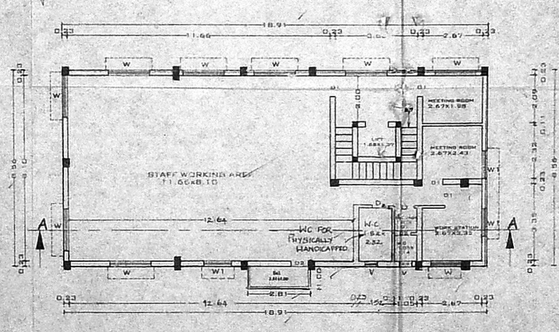
SECTION ON "AA"



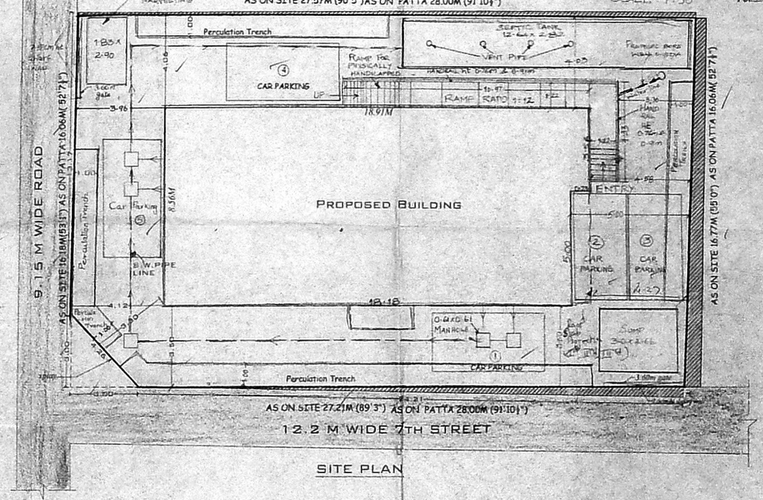
GROUND FLOOR PLAN



FIRST FLOOR PLAN

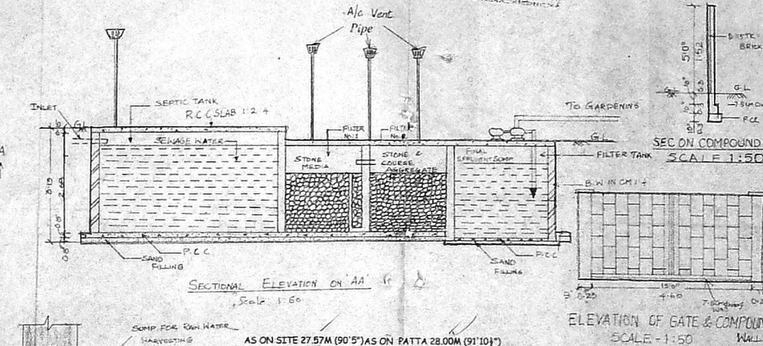


TYPICAL FLOOR PLAN
(2ND AND 3ND)

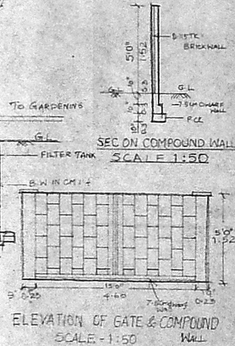


SITE PLAN

Revised Plan
Dt: 19/9/06



SECTIONAL ELEVATION ON AA
Scale 1:60



SEC ON COMPOUND WALL
SCALE 1:50

ELEVATION OF GATE & COMPOUND WALL
SCALE : 1:50

DESIGN OF SEPTIC TANK WITH UPFLOW FILTER SYSTEM

392 RP

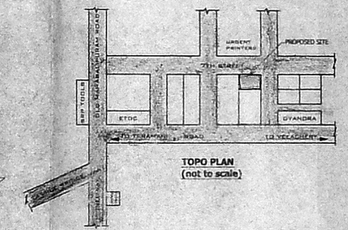
NO OF DWELLINGS = 13 NOS
NO OF USERS = 13 X 5 = 65
ASSUME A STANDARD 2 NOS OF FIXTURE UNIT PER DWELLING } = 13 X 2 = 26
TOTAL NUMBER OF FIXTURE UNIT
ASSUME A PEAKING FACTOR OF 6 L.P.M/ FIXTURE UNIT } = 26 X 6 = 156

SEPTIC TANK

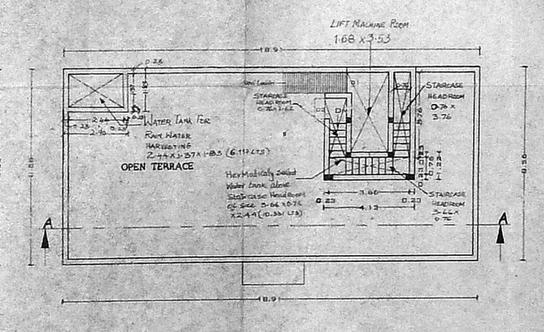
SURFACE AREA REQUIRED FOR THE SEPTIC TANK } = 156 X 5.32 / 10 = 14.36
VOLUME OF FREE BOARD = 14.36 X 0.30 = 4.31 m³
VOLUME OF SEDIMENTATION = 14.36 X 0.30 = 4.31 m³
VOLUME OF SLUDGE = 2.15 X 365 X 40 / 1000 = 20.05 m³
TOTAL VOLUME = 28.69 Say 30.00 m³.
TOTAL VOLUME OF TANK = 30.00 m³
AREA OF SEPTIC TANK = 11.28 m²
DEPTH OF SEPTIC TANK = 30.00 / 11.28 = 2.66 Say 2.75
SIZE OF SEPTIC TANK = 4.74 x 2.36 x 2.68

UPFLOW FILTER

CAPACITY FOR 140 USERS (PEAK GRAUITY) = 140 X 0.045 = 6.3 m³
DEPTH ASSUMED = 0.90 m (MINIMUM)
AREA OF FINAL EFFLUENT SUMP = 6.30 / 0.90 = 8.15 m²
SIZE OF FINAL EFFLUENT SUMP = 2.76 X 3.96 X 0.80
SIZE OF UPFLOW FILTER NO : 1 = 2.00 X 2.36 X 0.65
SIZE OF UPFLOW FILTER NO : 2 = 2.00 X 2.36 X 0.50



TOPO PLAN
(not to scale)



TERRACE FLOOR PLAN

PLAN SHOWING THE PROPOSED CONSTRUCTION OF I.T BUILDING AT PLOT NO - 71A 7th STREET, PHASE II, S.NO's R.S. 396 AND 397 PART - 2 & 3 DR. VIKRAM SARABHAI INSTRONICS ESTATE, THIRUVANMIYUR, KOTTIVAKKAM VILLAGE, TAMBARAM TALUK, CHENNAI-41

MMDA 'C' / PP No. 1
C. No. C3/10132/05
Asst
Scrutiny :
PART I
PART II 7/2/19
A.P. 8/5/06
D.P. 8/5/06

118 X 61

SCHEDULE OF JOINERY

D	DOOR	1.52X2.13
D1	DOOR	0.91X2.13
D2	DOOR	0.76X2.13
W	WINDOW	1.83X1.37
W1	WINDOW	1.22X1.37
V	VENTILATOR	0.61X0.61
O	OPENING	0.91X2.13

AREA STATEMENT:- SQ.M

TOTAL PLOT AREA (TAKING LEAST MEASUREMENT ON ALL 4 SIDES)	439.67
GROUND FLOOR AREA	158.50
FIRST FLOOR AREA	164.68
SECOND FLOOR AREA	164.68
THIRD FLOOR AREA	164.68
TOTAL AREA	652.34
F.S.I	1.48
PLOT COVERAGE	37.45%

N

LEGEND
PROPOSED
ROAD
PLOT BOUNDARY
SEWER LINE
WATER LINE

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

PRIVATE TRUSTEE
DIRECTOR
OWNER/APPLICANTS SIGNATURE

G. Murali, B.Arch.,
Registered Architect (CA/91/1414)
Licensed Surveyor Class I (R.A. No.248)
Corporation of Chennai

G.Murali, B.Arch.,
Registered Architect (CA/91/1414)
Licensed Surveyor Class I (R.A. No:248)
Corporation Of Chennai.

RAMANAA SPACE DESIGNERS
ARCHITECT, ENGINEERS, INTERIOR DESIGNERS
NO.59, H.R. COMPLEX (SECOND FLOOR)
POONAMALLEE HIGH ROAD, ARUMBAKKAM,
CHENNAI - 600 106.
Phone: 55282584