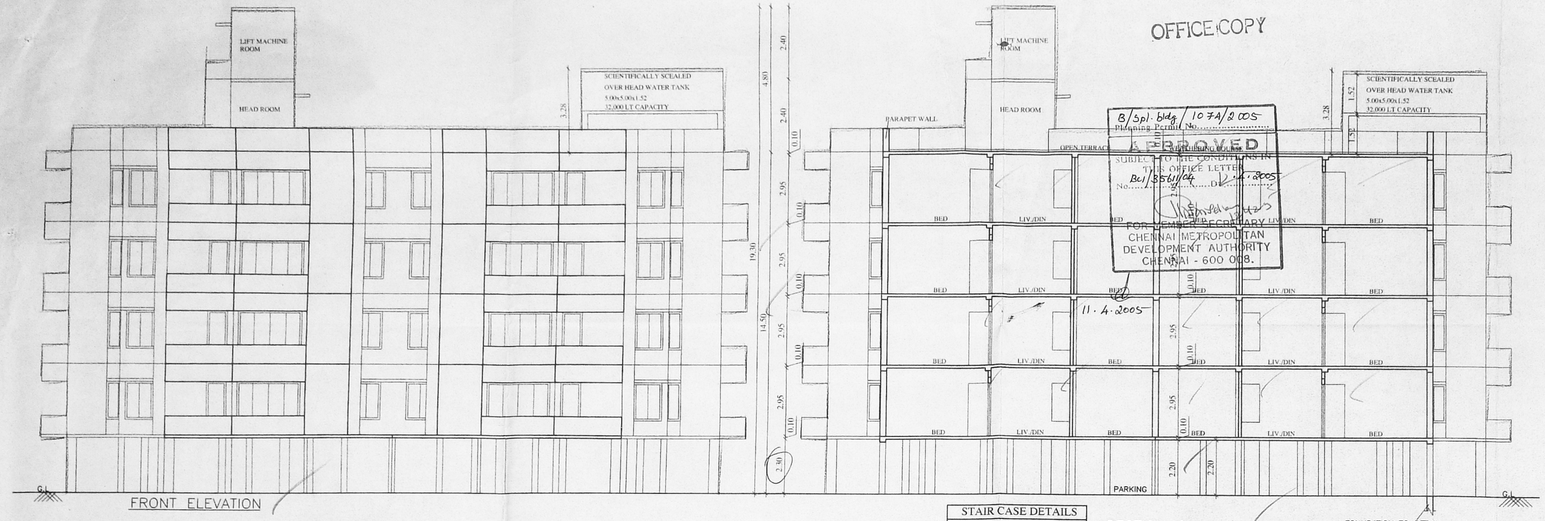
OFFICE COPY



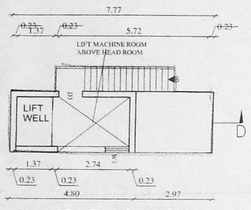
FRONT ELEVATION

SECTION ON A–A

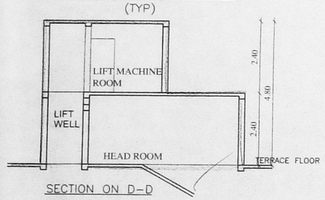
B/Spl. bldg / 1074/2005
Planning Permit No.
APPROVED
SUBJECT TO THE CONDITIONS IN THE OFFICE LETTER
B1/13561/04 D 14.4.2005
FOR MEMBER-SECRETARY
CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
CHENNAI - 600 008.
11.4.2005

STAIR CASE DETAILS

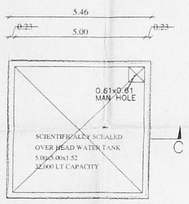
TREAD - 0.27
RAISER - 0.15
LANDING -0.99



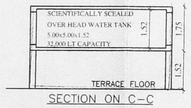
PLAN OF LIFT MACHINE ROOM (TYP)



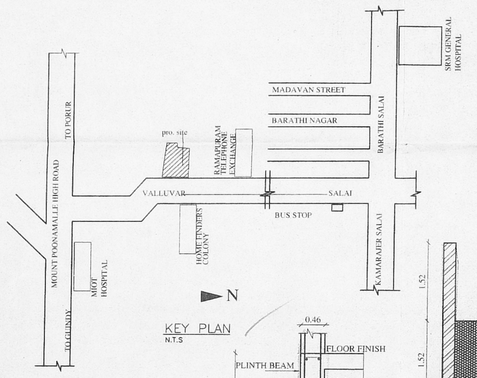
SECTION ON D–D



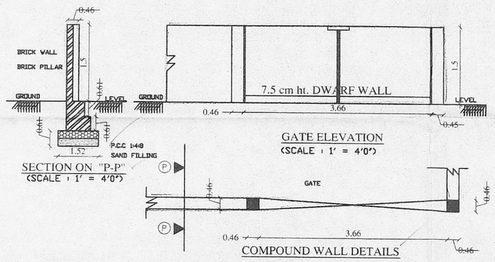
PLAN OF WATER TANK (TYP)

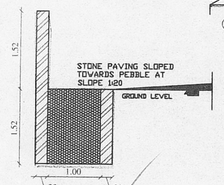


SECTION ON C–C



KEY PLAN
N.T.S





PERCOLATION PIT

DESIGN CHART

No OF DWELLINGS	32.00 Nos
NO OF USERS (ASSUMED)	32.00 x5.00 = 160.00
ASSUME A STANDARD 2 Nos OF FIXTURE UNIT PER DWELLING	32.00 x 2.00 = 64.00
TOTAL NUMBER OF FIXTURE UNIT ASSUME A PEAKING FACTOR OF 6 L. P.M / FIXTURE UNIT	64.00 x 6.00 = 384.00

SEPTIC TANK

SURFACE AREA REQUIRED FOR THE SEPTIC TANK	384.00 x 0.92 / 10 = 35.328
VOLUME OF FREE BOARD	35.328 x 0.30 = 10.598 M CUBE
VOLUME OF FREE SEDIMENTATION	35.328 x 0.30 = 10.598 M CUBE
VOLUME OF SLUDGE	160.00 x 365 days x 0.0002 = 11.68 M CUBE
TOTAL VOLUME	11.68 M CUBE (SAY 20 M CUBE)
TOTAL VOLUME OF TANK	20.00 M CUBE
WE ARE PROVIDING TWO TANK OF 10 M CUBE EACH	
TOTAL VOLUME	10.00 M CUBE
AREA OF SEPTIC TANK	10.125 (2.5 x 4.05)
DEPTH OF SEPTIC TANK	10.00 / 10.125 = 0.99 M

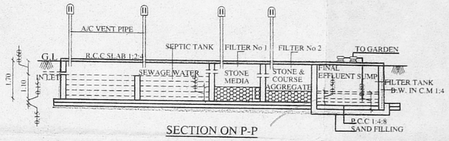
(BUT WE ARE PROVIDING DEPTH AS 1.10 m)

SIZE OF SEPTIC TANK 2.50 M x 4.05M x 1.10

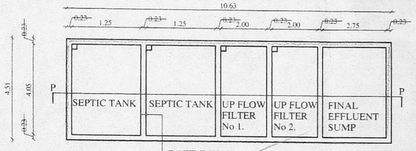
UPFLOW FILTER

CAPACITY FOR PEAK GRAVITY	170.00 x 0.045 = 7.65 M CUBE
DEPTH ASSUMED	0.80 M (MINIMUM)
AREA OF FINAL EFFLUENT SUMP	7.65 / 0.80 = 9.56 sq.m

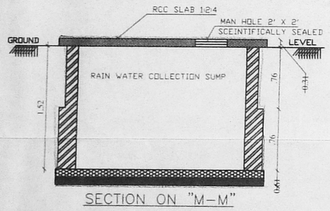
SIZE OF FINAL EFFLUENT SUMP 2.75x4.00x0.80
SIZE OF UPFLOW FILTER No 1 = 2.00x4.00x0.65
SIZE OF UPFLOW FILTER No 2 = 2.00x4.00x0.50



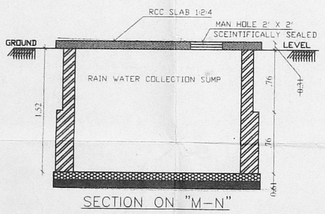
SECTION ON P-P



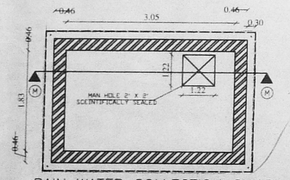
PLAN



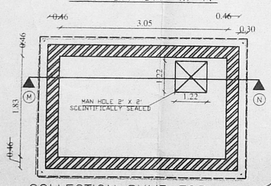
SECTION ON "M–M"



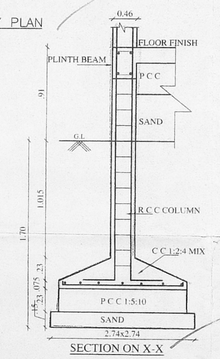
SECTION ON "M–N"



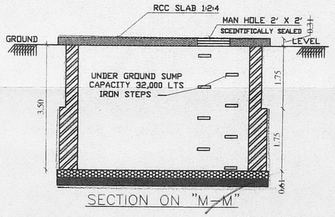
RAIN WATER COLLECTION SUMP
(SCALE : 1" = 4'0")



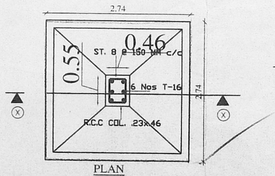
COLLECTION SUMP FOR RECYCLING SULAGE WATER
(SCALE : 1" = 4'0")



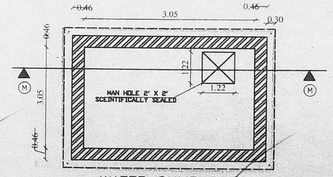
SECTION ON X-X



SECTION ON "M–M"



PLAN
(R.C.C COLUMN DETAILS)
AS PER STRUCTURAL DESIGN



WATER SUMP DETAIL
(SCALE : 1" = 4'0")

SHEET No 2 OF 2

Revised Plan
Dt: 1.4.05

CMDA (B) No.
C. No. B.C. 2561/04
Asst.
Scrutiny
P. A.
A.P.
B.P.

COLOUR INDEX

PROPOSED
BOUNDARY
ROAD
SEWER

THE PLAN SHOWING THE PROPOSED RESIDENTIAL FLATS AT

VALLUVAR SALAI, RAMAPURAM,
CHENNAI 600 089.
S.No. 89/1B , 84/1
VILLIVAKKAM PANCHAYAT UNION,
SAIDAPET TALUK,
CHENGLEPET DISTRICT.

SCALE = 1:100, 1"=8'0"

OWNER

LICENSED SURVEYOR