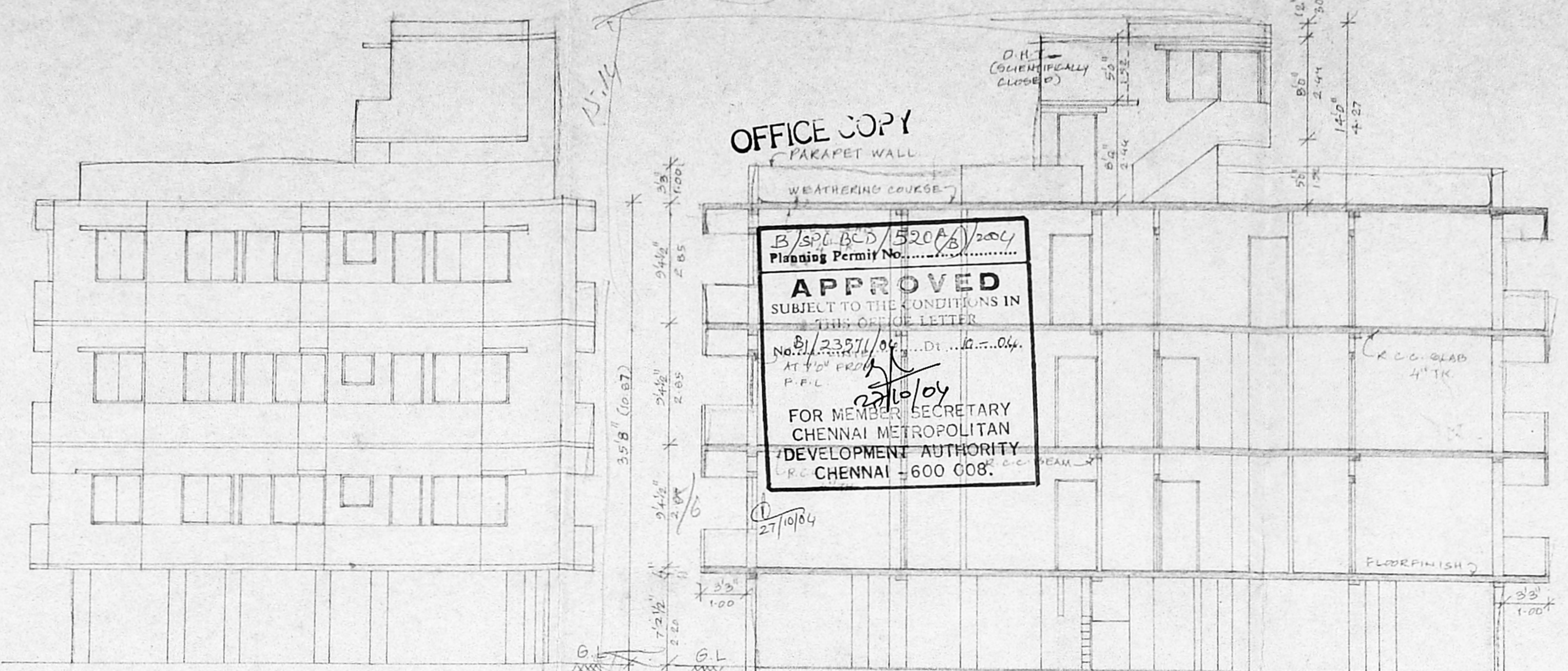


LOCATION PLAN.
(NOT TO SCALE)



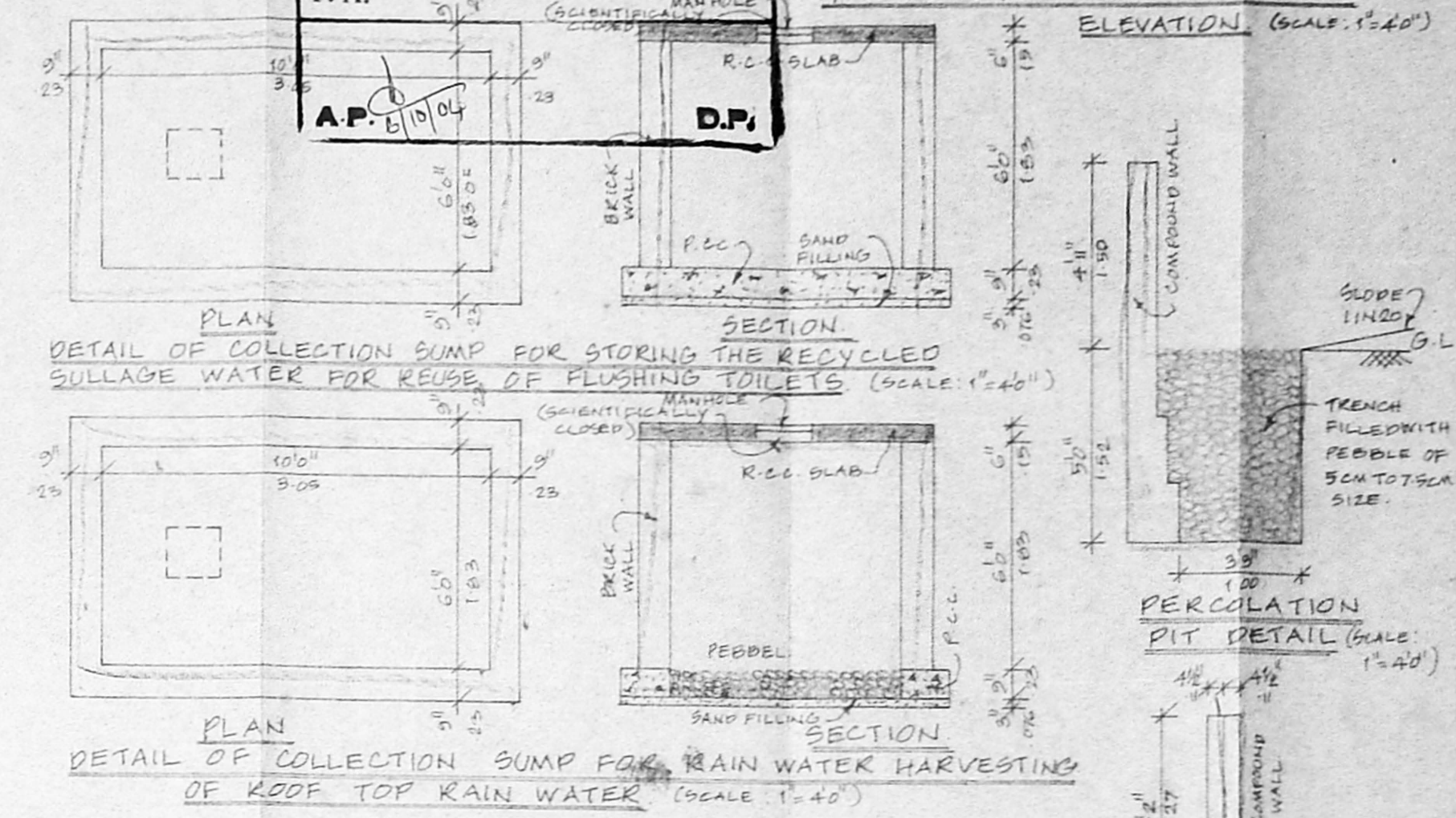
ELEVATION.

SECTION ON - AB.

OFFICE COPY
PARAPET WALL
WEATHERING COURSE
R.C.C. SLAB 4" THK
FLOOR FINISH
P.F.L.
27/10/84

B/SPL.B.C/D/520(A)/2004
Planning Permit No. 2257/04
APPROVED
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER
NO. 2257/04 AT 100 PERCENT P.F.L.
FOR MEMBER SECRETARY
CHENNAI METROPOLITAN
DEVELOPMENT AUTHORITY
CHENNAI - 600 008.

Approved Plan
DIA. 10.2.2004
CMDA (B) - No. 1
C.No.Ba/2257/2004
Asst. P. A.
Scrutiny P. A.



DETAIL OF COLLECTION SUMP FOR STORING THE RECYCLED SULLAGE WATER FOR REUSE OF FLUSHING TOILETS (SCALE: 1"=40")

DETAIL OF COLLECTION SUMP FOR RAIN WATER HARVESTING OF ROOF TOP RAIN WATER (SCALE: 1"=40")

PLAN SHOWING THE PROPOSED RESIDENTIAL BUILDING AT PLOT NO: 22 & 23, ESWARAN COLONY, SARVA MANGALA NAGAR, HANGANALLUR, CHENNAI - 600 061.
IN.S.NO: 106/2B, IN.T.SNO: 51, 52, (AS PER PATTAN OLD S.NO: 106/2B/A/PART) IN 133 THALAKKANAM CHERI VILLAGE, ALANDUR MUNICIPALITY, SAIDAPET TALUK, CHINGLEPUT DISTRICT, BLOCK NO: 20, WARD - D.
IN APPROVED LAYOUT L.P.M. 95/67.
P.T.F.

AREA STATEMENT

	SQ FT	SQ MT
PLOT AREA	4671.70	434.90
MAX. P.G.I.	6955.49	1.47
FIRST FLOOR	158.25	14.70
SECOND FLOOR	2293.81	212.09
THIRD FLOOR	2207.62	205.27
TOTAL AREA	6955.49	646.15
F.S.I. PROVIDED	1.47	
PLOT COVERAGE	49.26%	
HEADROOM LIFT HEADROOM	198.75	18.45

SCHEDULE OF JOINERIES.

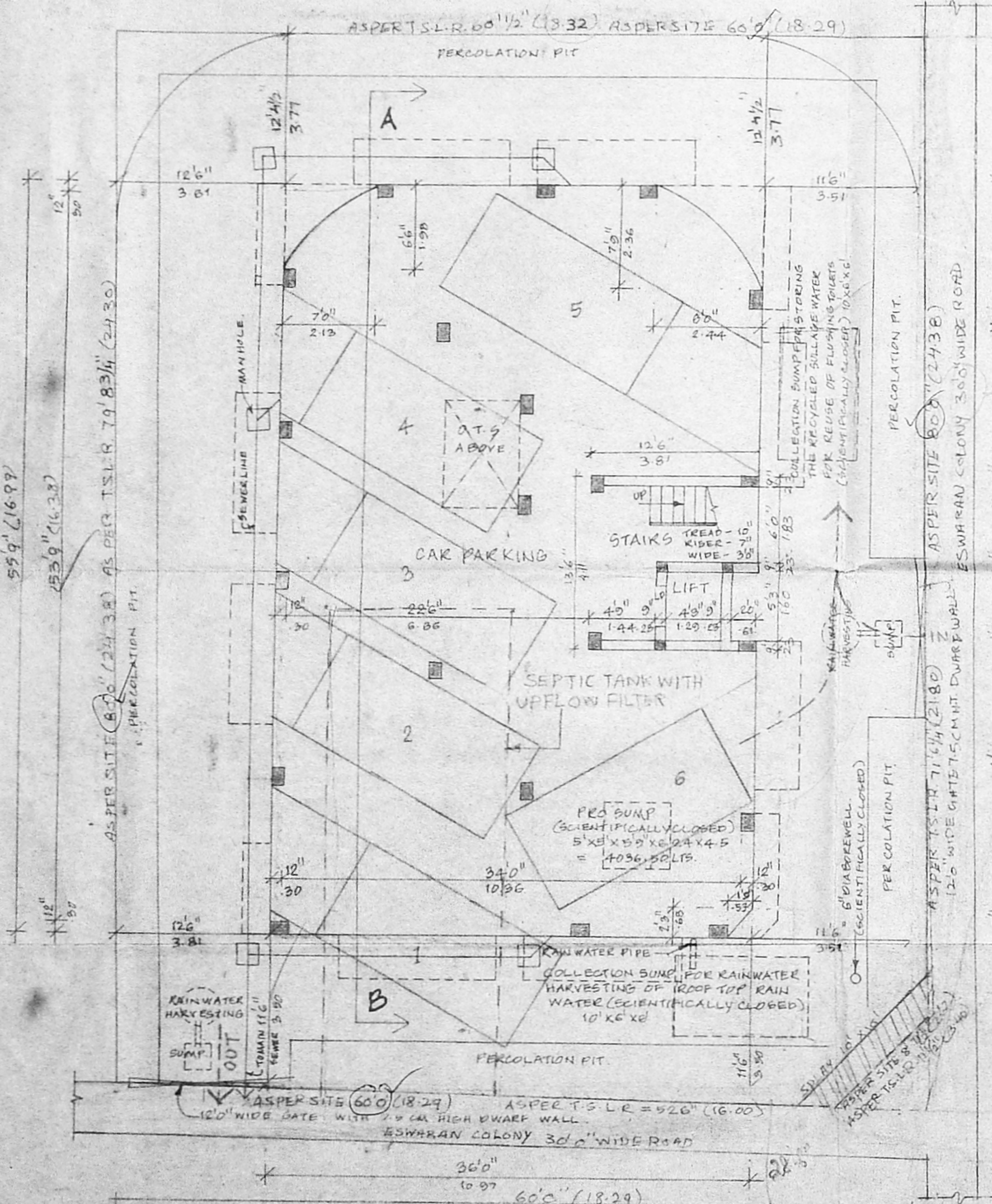
SYMBOL	DESCRIPTION	SIZE
ED	ENTRANCE DOOR	3'0" x 7'0"
D	DOOR	3'0" x 7'0"
DW	DOOR CUM WINDOW	2'6" x 7'0"
DW	DOOR CUM WINDOW	6'0" x 7'0"
D	DOOR CUM WINDOW	10'0" x 7'0"
W	WINDOW	3'0" x 4'0"
W	WINDOW	4'0" x 4'0"
FW	FRENCH WINDOW	5'0" x 2'0"
V	VENTILATOR	2'0" x 2'0"
LD	LIFT DOOR	3'0" x 7'0"

SCALE: 1"=8'0" (OR) 1:100.

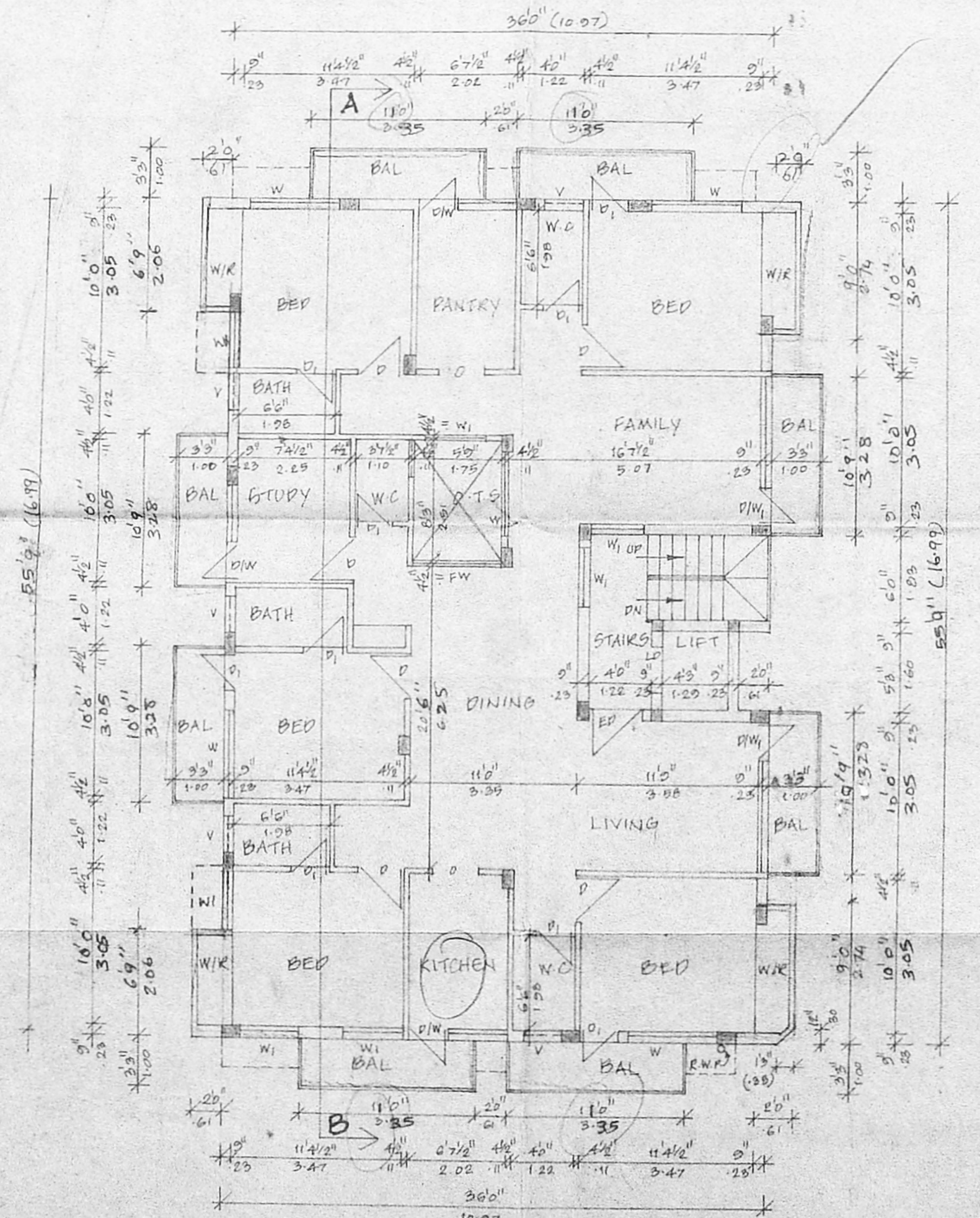
COLOUR INDEX.

PROPOSED	—
ROAD	—
BOUNDARY	—

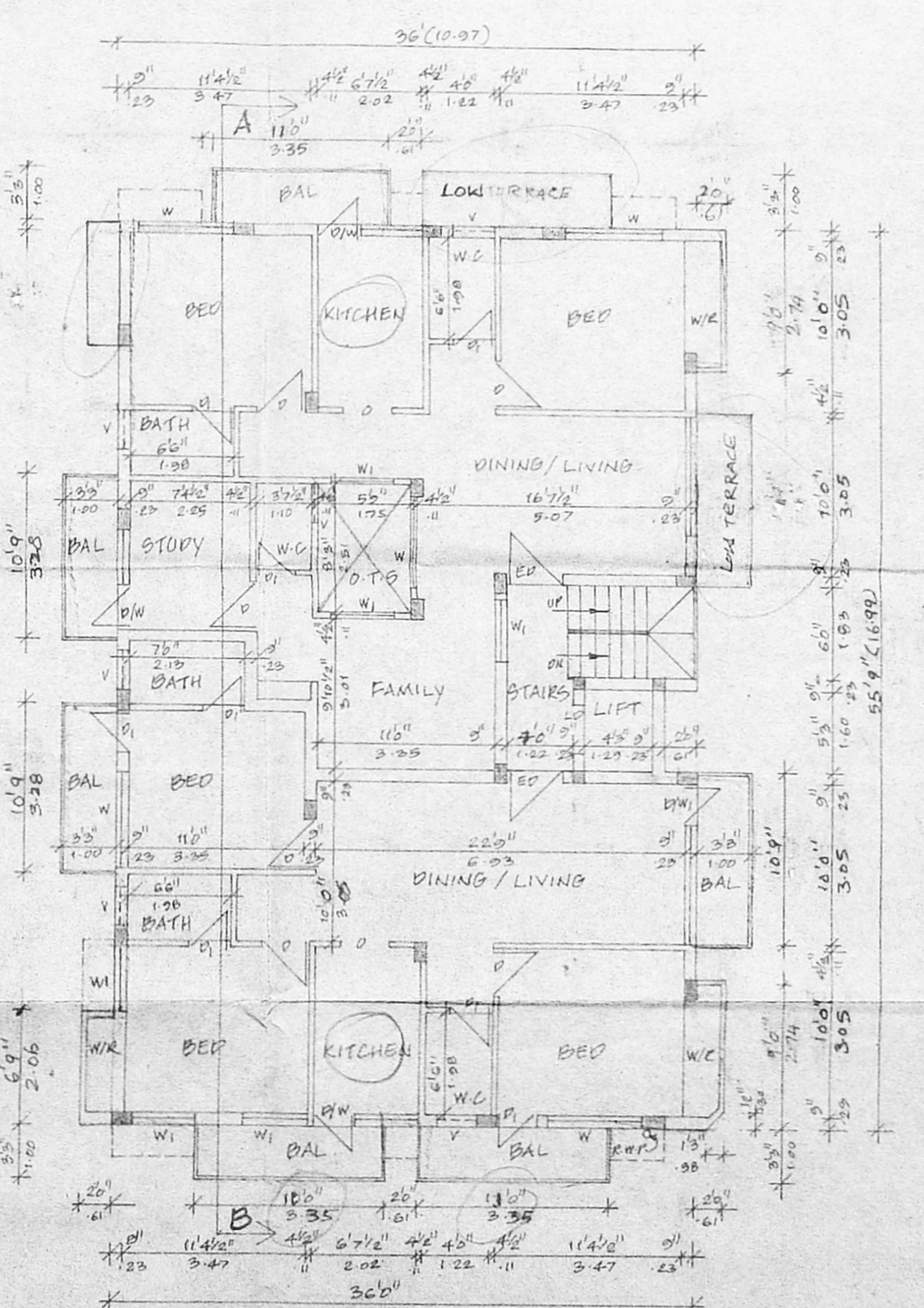
OWNER (S)



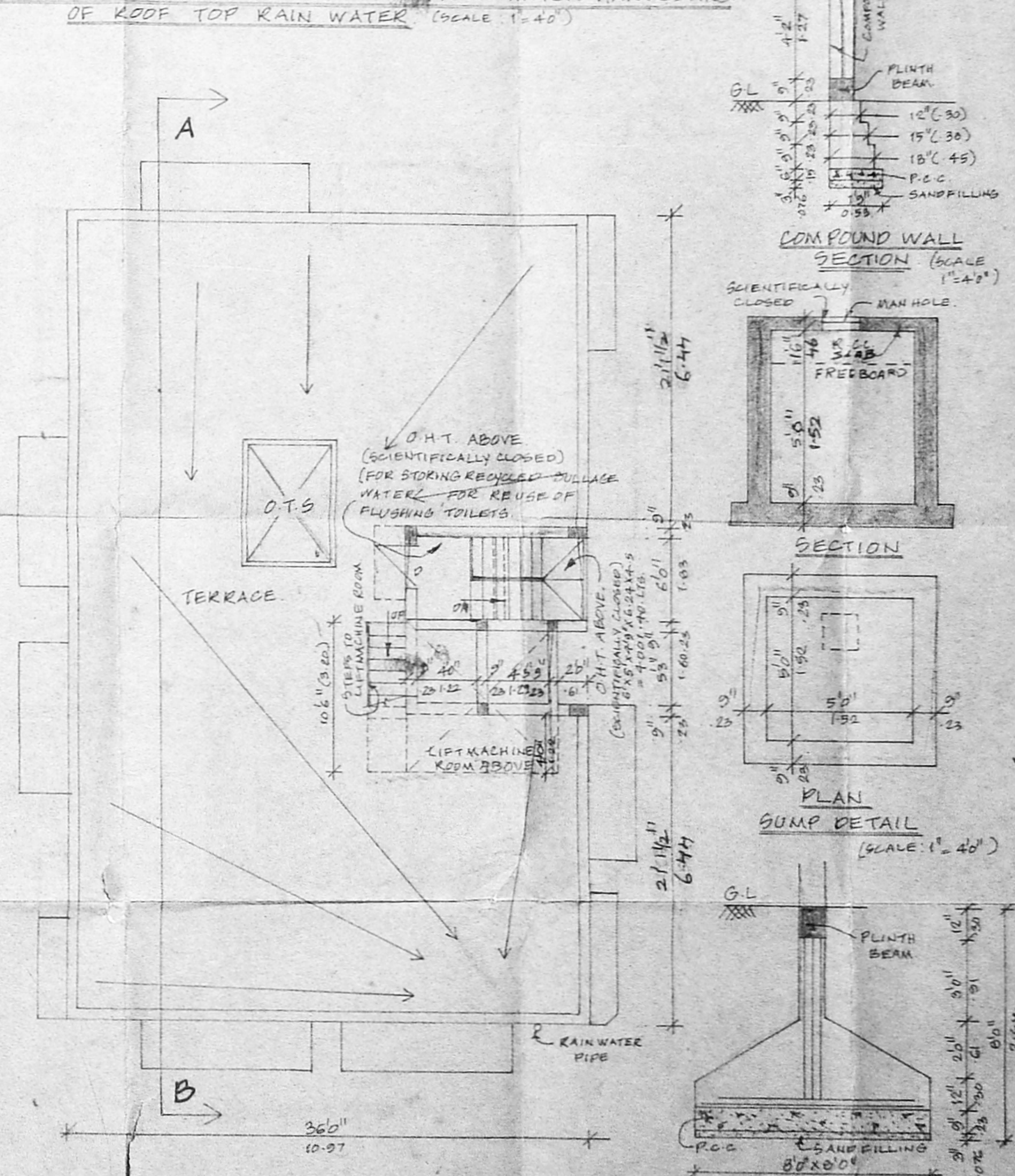
SITE COM STILT FLOOR PLAN.



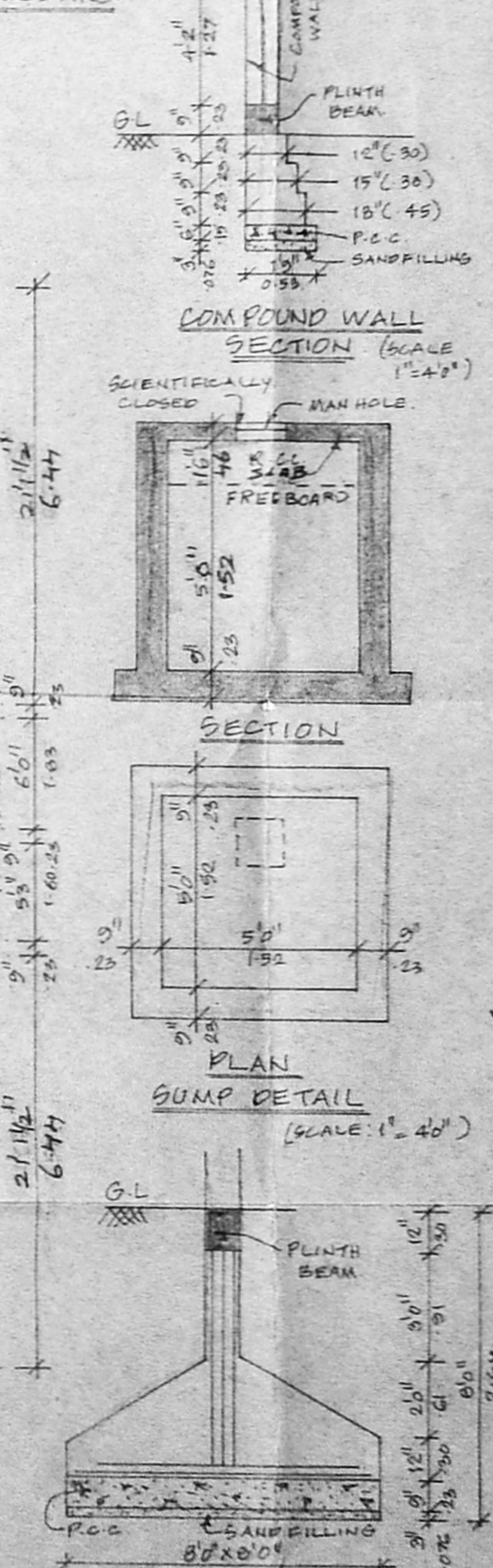
TYPICAL FLOOR PLAN. (1ST & 2ND)



THIRD FLOOR PLAN.

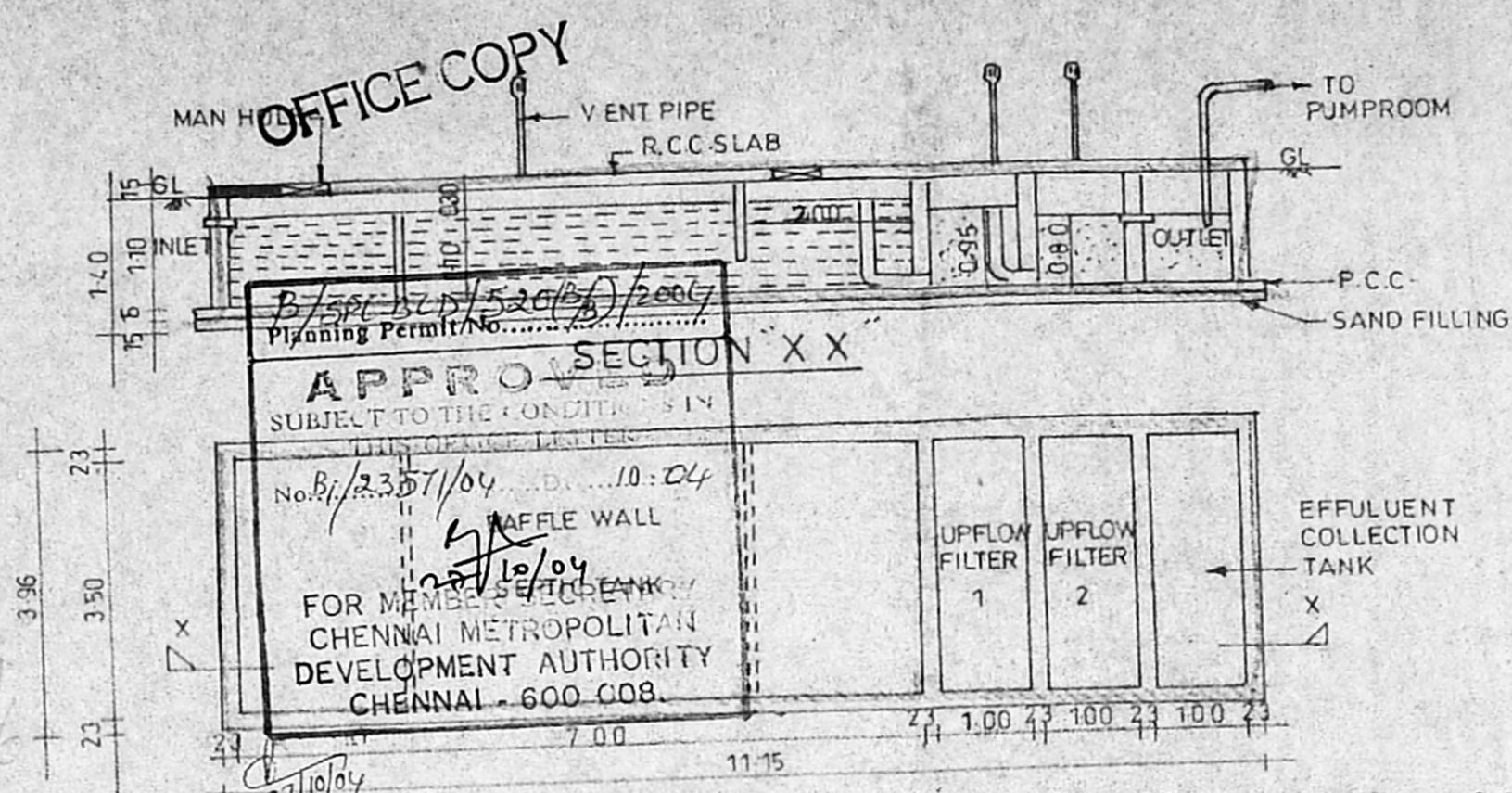


TERRACE FLOOR PLAN.



FOUNDATION DETAIL (SCALE: 1"=40")

ER. K. SELVAM,
B.E (Civil), AMIE, C. Eng (I), AIV,
CHARTERED ENGINEER & APPROVED VALUER,
CLASS - II, REGISTERED SURVEYOR,
Reg No: 602/2005,
DOOR NO. 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
(NEAR M. R. ROAD, S. B. COLONY, CHENNAI - 600 008)
PHONE NO: 26562050
CELL NO: 9841282050



DESIGN OF SEPTIC TANK WITH UPFLOW FILTER FOR 4 DWELLINGS.

NO OF FLATS OR DWELLINGS 4
 ASSUMING 5 PERSONS FOR FLATS 4 X 5 = 20
 NO OF PERSONS 20
 NO OF USERS 20
 ASSUMING 2 FIXTURES PER FLAT 4 X 2 = 8 UNITS
 PER HOUR DISCHARGE 8 X 6 = 48 LPM

SEPTIC TANK

SURFACE AREA NEEDED $\frac{48 \times 0.92}{10} = 4.416$ SAY 5.0 M²

VOLUME OF SEDIMENTATION	5 X 0.3M	= 1.50 M ²
FOR DIGESTION	20 X 0.032	= 0.64 M ²
FOR SLUDGE STORAGE	0.0002 X 365 X 20	= 1.46 M ²
FREE BOARD FOR SLUDGE	5 X 0.3	= 1.50 M ²
		<u>5.10 M² SAY 6 M²</u>

DEPTH = $\frac{\text{VOLUME}}{\text{STORAGE}} = \frac{6}{5} = 1.2 \text{ M}$

SIZE OF SEPTIC TANK 6 X 3.5 X 1.2M

UPFLOW FILTER

LIQUID DEPTH OF SEPTIC TANK = 1.2M

VOLUME 20 X 0.045 = 0.9 M²

UPFLOW FILTER DEPTH }
 ALLOWING 0.3M FREE BOARD } 1.2 - 0.3 = 0.9M

AREA NEEDED $\frac{0.9}{0.9} = 1.0 \text{ M}^2$

SIZE OF UPFLOW FILTER 3.5 X 2.0M

UPFLOW NO1 = 3.5 X 1.00 X 0.95M

UPFLOW NO2 = 3.4 X 1.00 X 0.85M

PLAN SHOWING THE PROPOSED RESIDENTIAL BUILDING AT PLOT NO: 22 & 23, ESWARAN COLONY, SARVA MANGALA NAGAR, NANGANALLUR, CHENNAI - 600 061 IN S.NO:106/2B, IN T.S.NO:51 52, (AS PER PATTA OLD S.NO:106/2B/A PART) IN 133 THALAKANAN CHERI VILLAGE, ALANDUR MUNICIPALITY, SAIDAPET TALUK, CHINGLEPUT DISTRICT. BLOCK NO:20, WARD-D. IN APPROVED LAYOUT L.P.D.M. 95/67

D.I.P. Revised Plan
 Dt: 16.9.2004

CMDA (B) / No. 1
 C.No. B1/23571/2004

Asst. _____

Scrutiny
 N

6/10/04
 D.P.

K. K. Srinivasan
 OWNER

K. K. Selvam
 ER. K. SELVAM,
 BE (Civil), AMIE., C Eng(I), AIV.,
 CHARTERED ENGINEER & APPROVED VALUER,
 CLASS-I LICENSED SURVEYOR,
 Reg No: 600, 2004, 2005,
 LICOR No: 11,206, 11th BLOCK,
 SAPPAL EAST, CHENNAI-600 037.
 (NEAR NESSA P. H. SCHOOL)
 LICENSED SURVEYOR
 PHONE No: 28552050
 CELL No: 9841282050