

JOINERIES.

FD	FRENCH DOOR	8'0" x 7'0"	2.42 x 2.14
MD	MAIN DOOR	3'6" x 7'0"	1.05 x 2.14
D1	DOOR	3'3" x 7'0"	1.00 x 2.14
D2	DOOR	2'6" x 7'0"	0.75 x 2.14
W1	WINDOW	4'0" x 4'0"	1.22 x 1.22
W2	WINDOW	6'0" x 4'0"	1.82 x 1.22
W3	WINDOW	8'0" x 4'0"	2.42 x 1.22
KW	KITCHEN WINDOW	4'0" x 3'0"	1.22 x 0.91
V	VENTILATOR	2'6" x 2'6"	0.75 x 0.75

CMDA No. 1254/99
 C.No. 83/2-584/99
 P.A. 26/5
 A.P. 26/5

AREA STATEMENT:

	IN SFT	IN SQM
TOTAL PLOT EXTENT	7633	715
PROPOSED		
GROUND FLOOR AREA	134	166.50m ²
FIRST FLOOR AREA	24	199.50m ²
SECOND FLOOR AREA	24	199.50m ²
THIRD FLOOR AREA	24	199.50m ²
TOTAL:	306	765.00m ²
PLOT COVERAGE	3.2%	28%
F.S.I	1.25	1.07

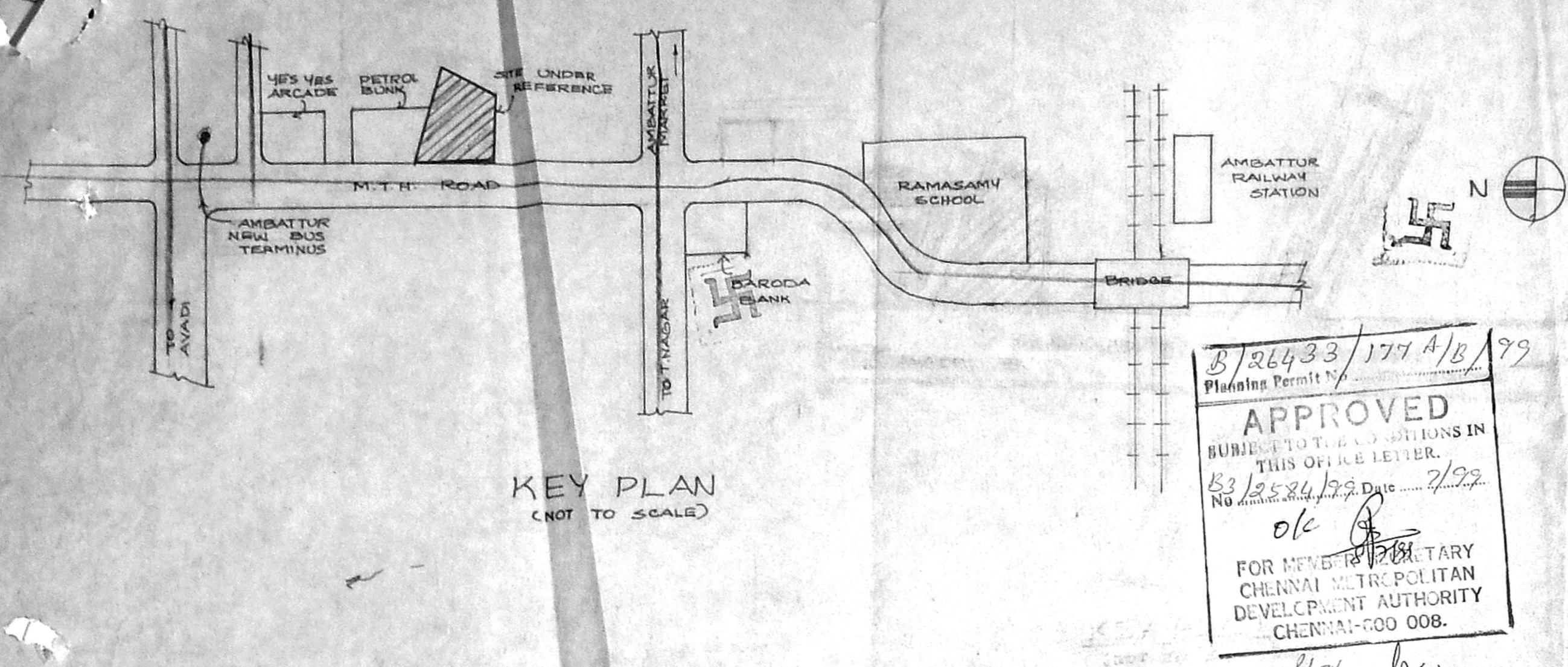
COLOUR INDEX:



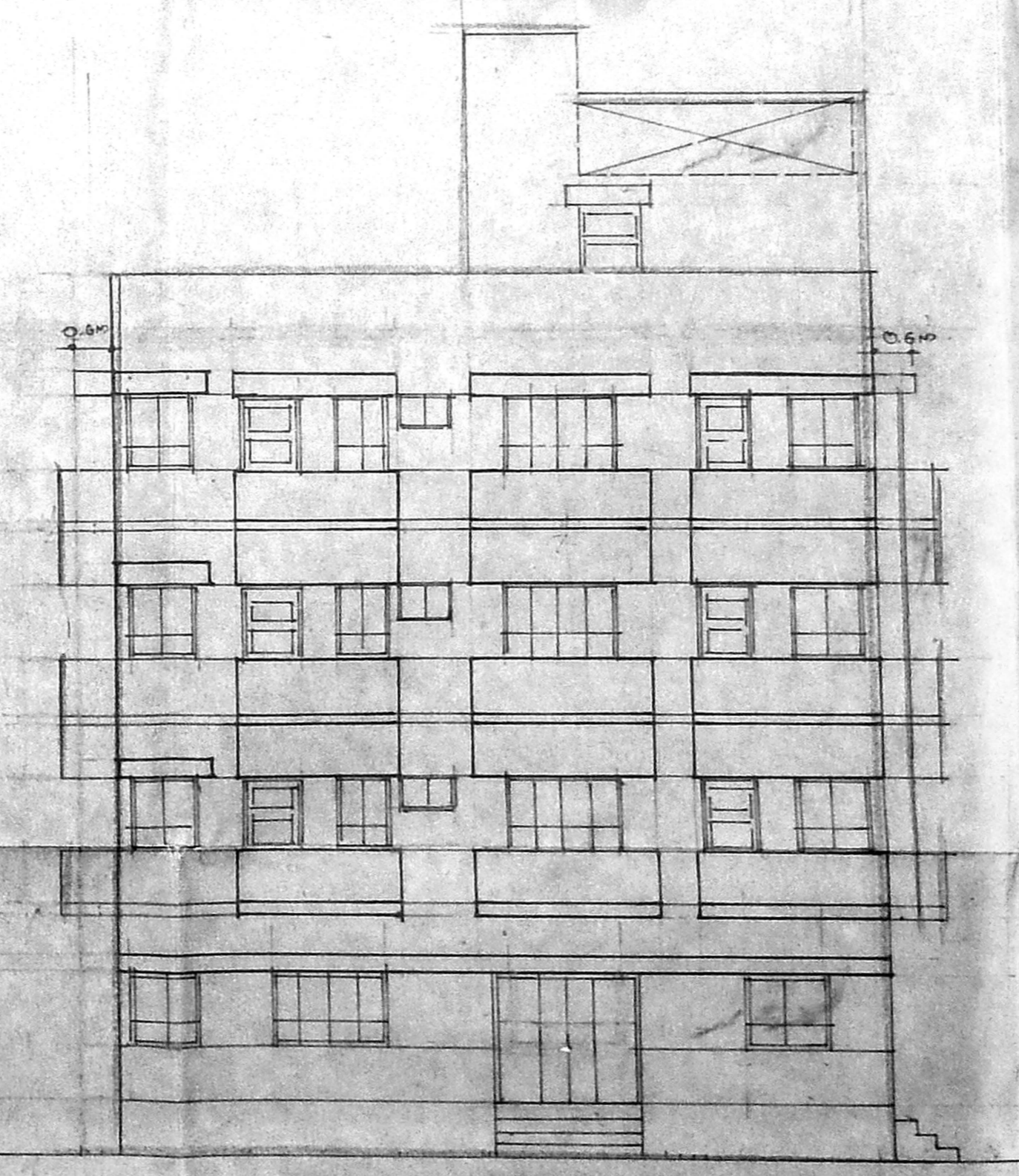
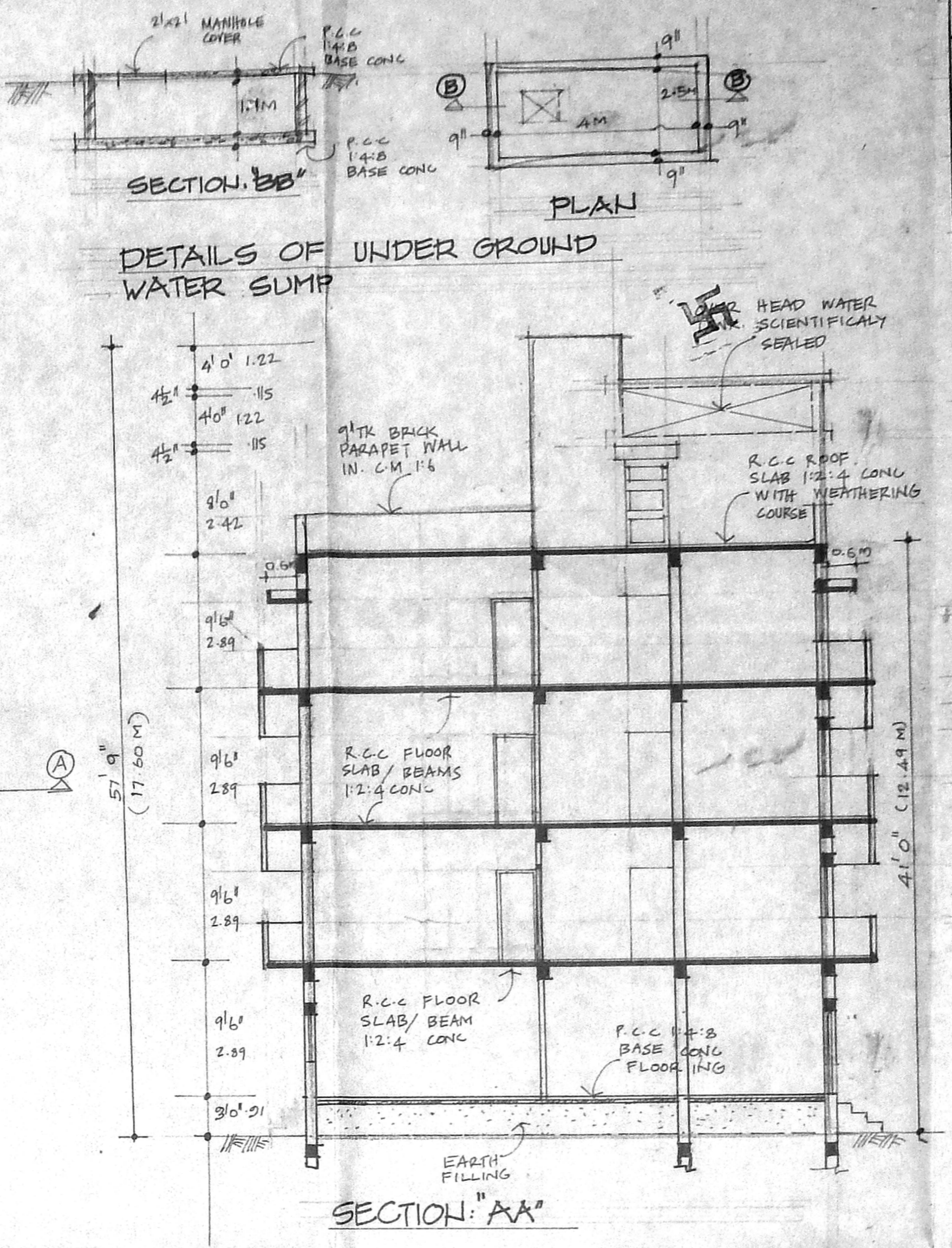
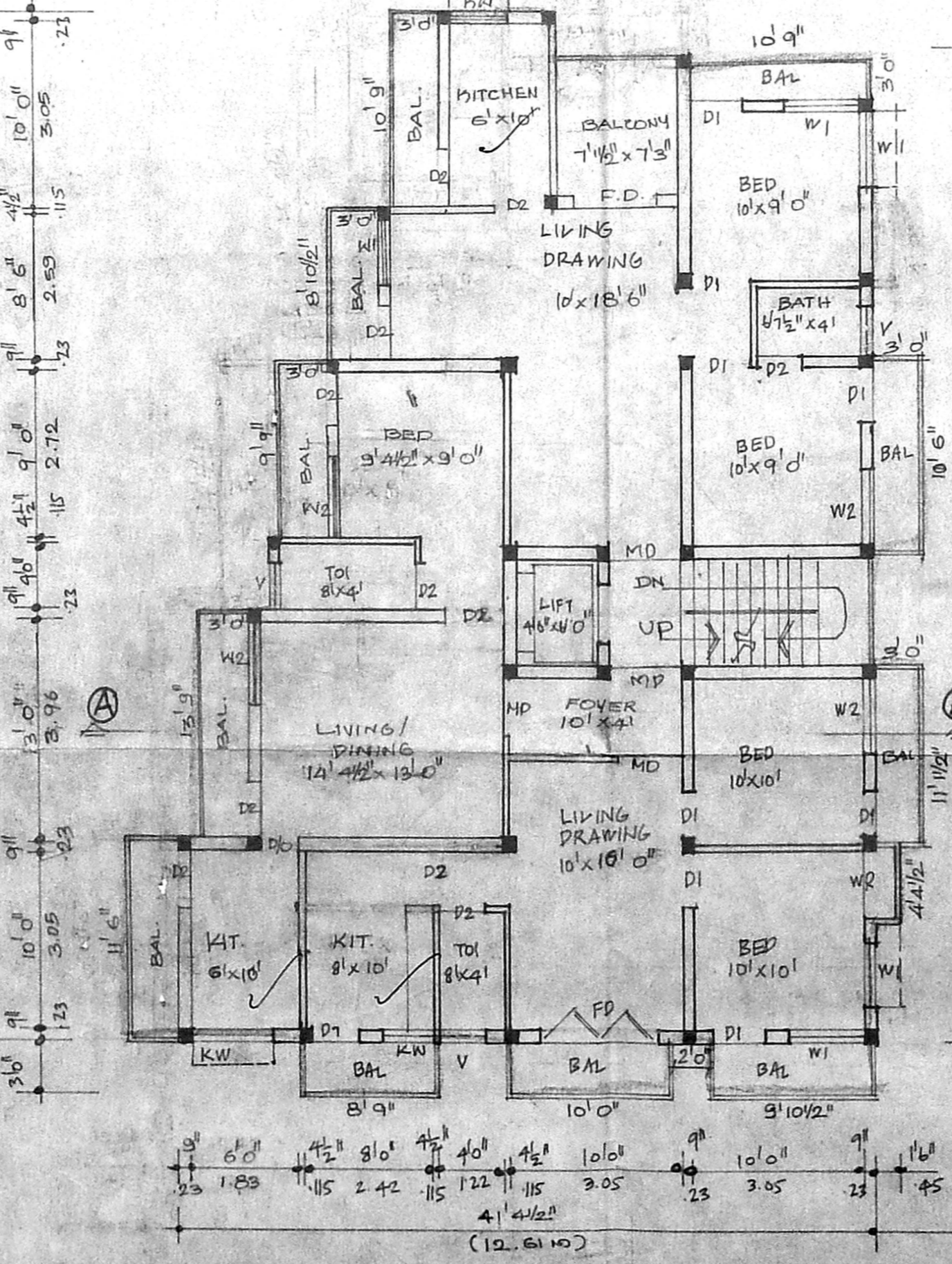
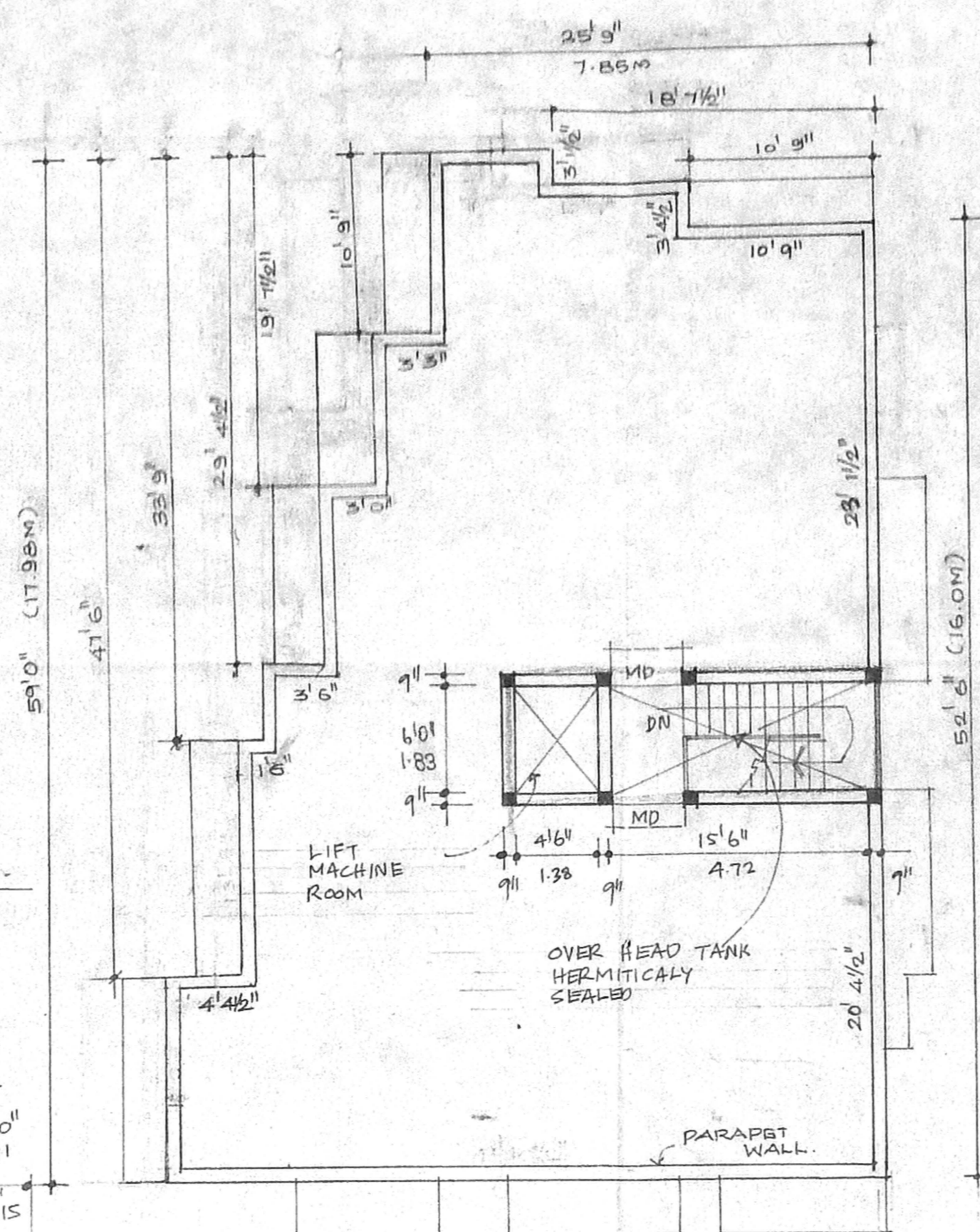
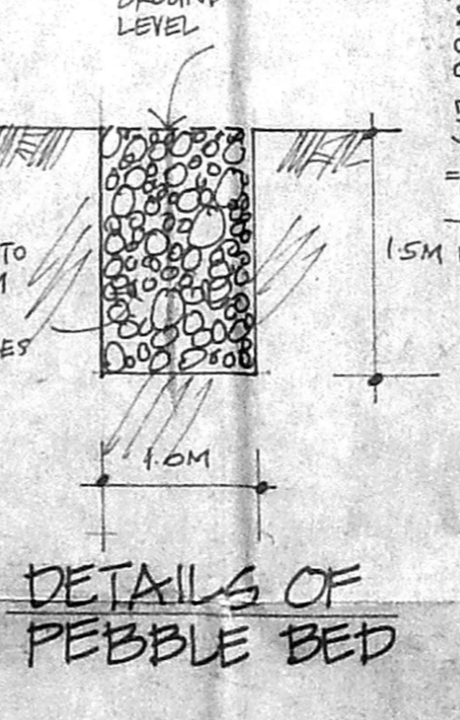
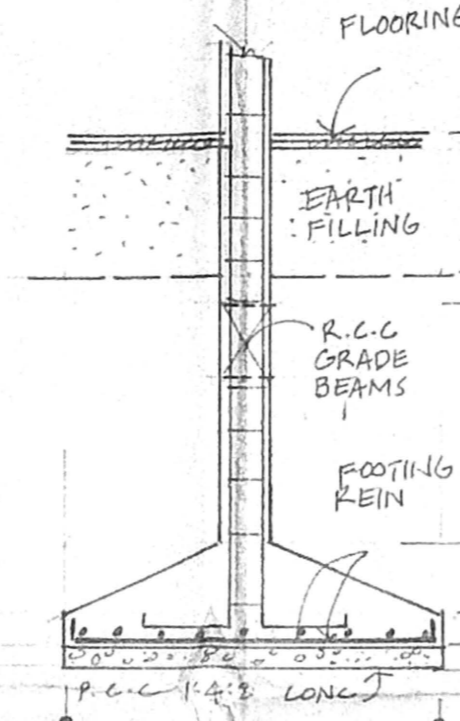
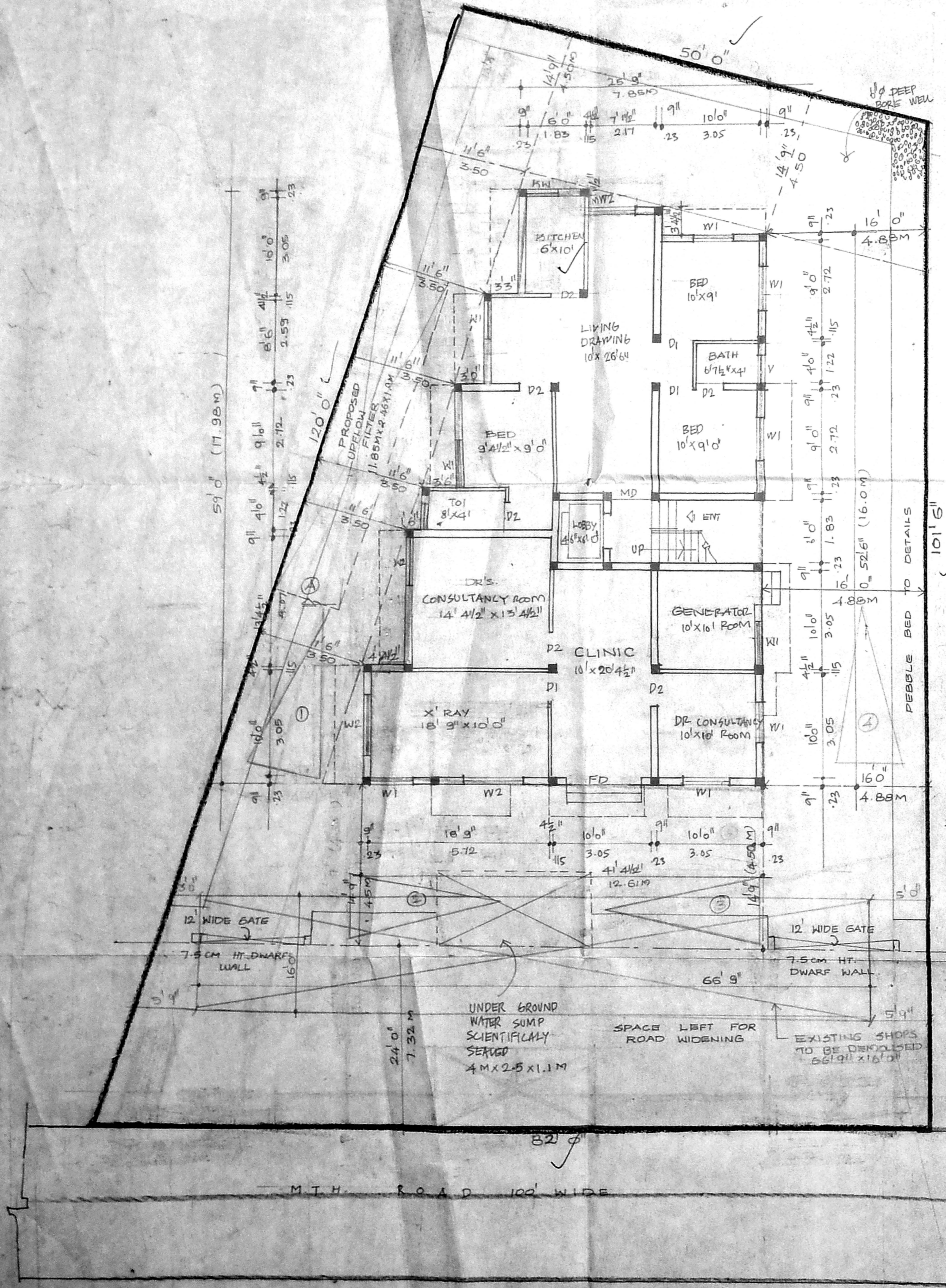
PROPOSED RESIDENTIAL BUILDING AT D.NO: 72, P.NO: 90, S.NO: 594/3A^{ETC}, SECRETARIATE COLONY, M.T.H. ROAD, V.NO: 18, AMBATTUR VILLAGE, CHENNAI-53.

OWNER'S:
 Anandha Babu

LICENSED SURVEYOR:
 K. SELVAM, B.E. AMIE, C.Eng (I), A.L.V.
 Consulting Civil Engineer Chartered Engineer
 Approved Valuer, Licensed Surveyor
 Class-I, Reg No. 319/98-99
 Corporation of Chennai & Ambattur Municipality
 No. 1370, Madhavai East,
 CHENNAI-600 050.



B/26433/177 A/B/99
 Planning Permit No. 2/92
 APPROVED
 SUBMITTED TO THE COMMISSIONERS IN THIS OFFICE LETTER.
 No. 12584/99 dt. 2/92
 FOR MEMORANDUM SECRETARY
 CHENNAI METROPOLITAN
 DEVELOPMENT AUTHORITY
 CHENNAI-600 008.
 8/7/99

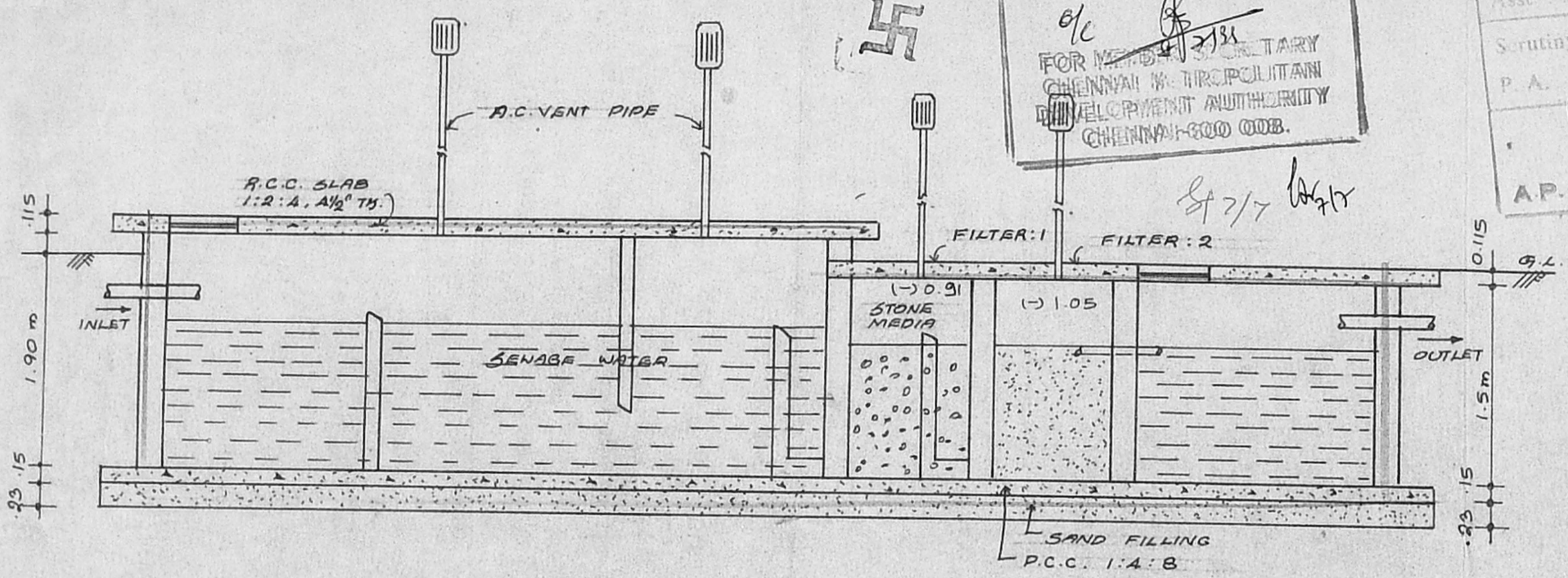


B/26433/177B/B/99
 Planning Permit No
APPROVED
 SUBJECT TO THE CONDITIONS IN
 THIS OFFICE LETTER.
 B3/2524/99 Date 7/99
 No. 2/181
 FOR MEMBER SECRETARY
 CHENNAI MUNICIPALITY
 DEVELOPMENT AUTHORITY
 CHENNAI-600 008.

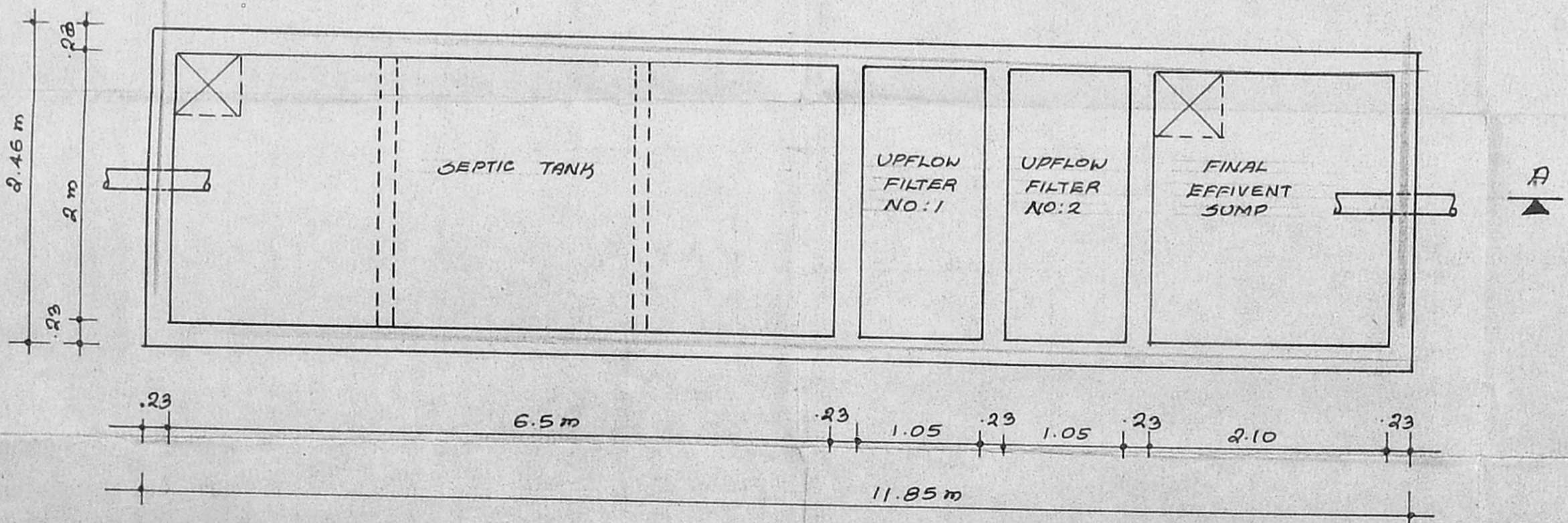
DESIGN OF SEPTIC TANK WITH UPFLOW FILTER SYSTEMS:

NO. OF DWELLING = 8
 NO. OF USERS = 8 x 5 = 40 PERSONS
 RATE OF WATER SUPPLY IS = 150 LPH/Day
 THEN FLOW OF SEWAGE PER DAY = 40 x 150 = 6000 LTS
 DETENTION PERIOD IS = 18 Hrs.
 TANK CAPACITY = 6000 x 18/24 = 4500 LTS.
 THE TANK IS TO BE CLEANED EVERY YEAR. SO SLUDGE STORAGE CAPACITY AT THE RATE OF 15 LITERS FOR PERSON PER YEAR = 24 x 15 = 360 LTS.
 = 4500 + 360 = 4860 LTS.

WITH PROVISION FOR FUTURE EXPANSION LET THE TOTAL TANK CAPACITY BE 20,000 LITERS (OR) 20 m³
 SEPTIC TANK HAVING A CAPACITY OF 20 m³
 DEPTH OF LIQUID AS 1.5 m
 PLAN AREA OF THE TANK (20/1.5) 13 m²
 THE RATIO OF LENGTH TO WIDTH OF TANK BE 3
 LENGTH x BREADTH x 3 = 13 m²
 BREADTH OF TANK = 2 m
 LENGTH OF TANK = 6.5 m
 FACE BOARD OF THE TANK = 0.40 m
 TOTAL DEPTH OF THE TANK 1.5 + 0.40 = 1.90 m
 PROVIDE TWO SEPTIC TANK EACH
 UPFLOW FILTERS 6.5 x 2 x 1.90 m
 DISCHARGE FOR 370 PERSONS 14800 LITERS.
 VOLUME 370 x 0.45 = 16.65 m³
 DEPTH 1.10 x 0.80 = 0.80 m
 PLAN AREA REQUIRED 16.65/0.80 = 21 m²
 SIZE OF FINAL EFFLUENT SUMP 2.10 x 2 x 1.5 m
 UP FLOW FILTER NO:1 1.05 x 2 x 1.5 m
 UP FLOW FILTER NO:2 1.05 x 2 x 1.5 m



SECTION 'AA'



PLAN

DESIGN OF SEPTIC TANK WITH UPFLOW FILTER SYSTEM FOR THE PROPOSED RESIDENTIAL BUILDING AT D.NO: 72 , P.NO:90 , S.NO: 594 /3A ETC, SECRETARIATE COLONY M.T.H. ROAD , AMBATTUR VILLAGE, CHENNAI -53.

[Signature]
 K. SELVAM, B.E. AME, C.Eng (I), A.I.V.,
 Consulting Civil Engineer and Engineer
 Approved Valuer, Licensed Surveyor
 Class-I, Reg. No. 319, 98-99
 Corporation of Chennai and City Municipalities
 No. 1/370, 1st Street East,
 CHENNAI-600 050.
 OWNER
 LICENSED SURVEYOR