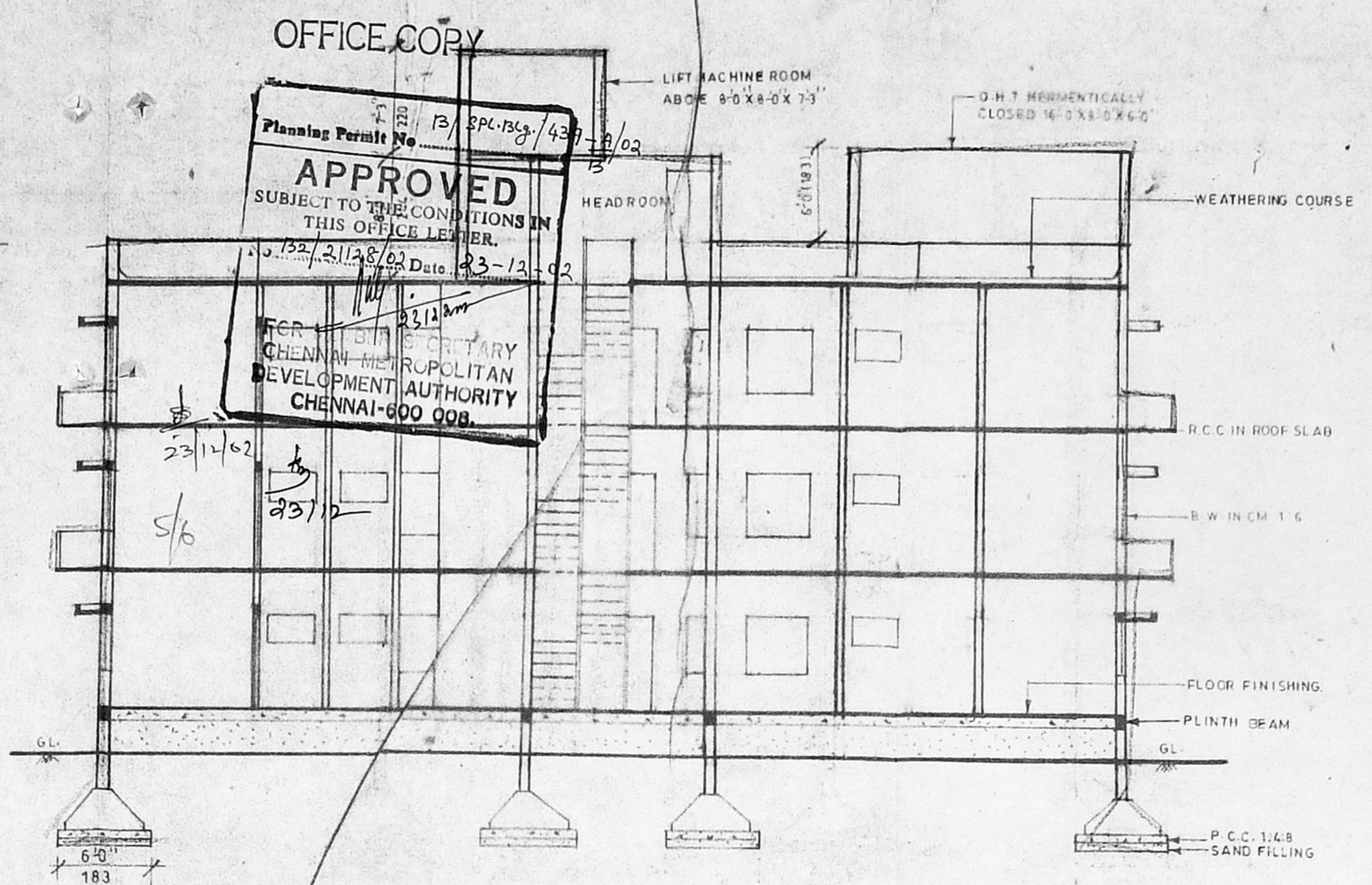
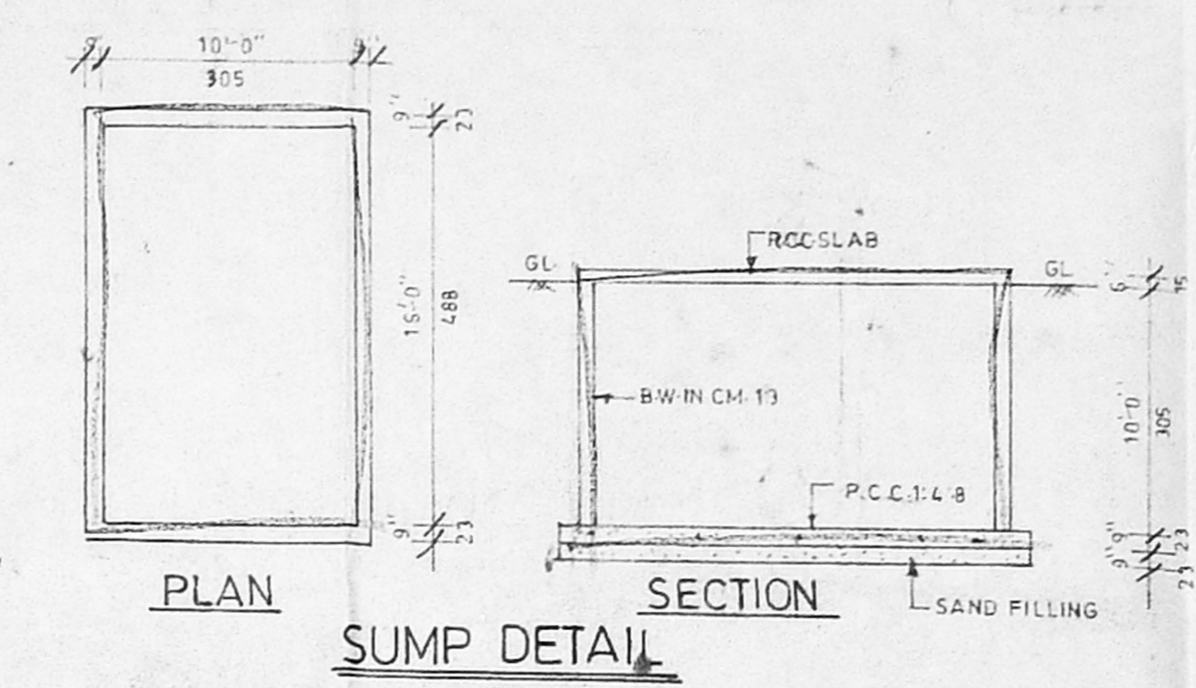


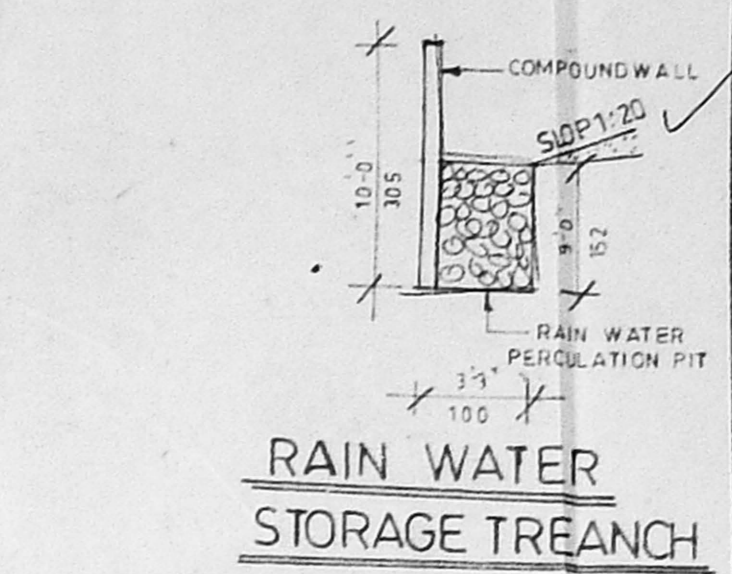
ELEVATION



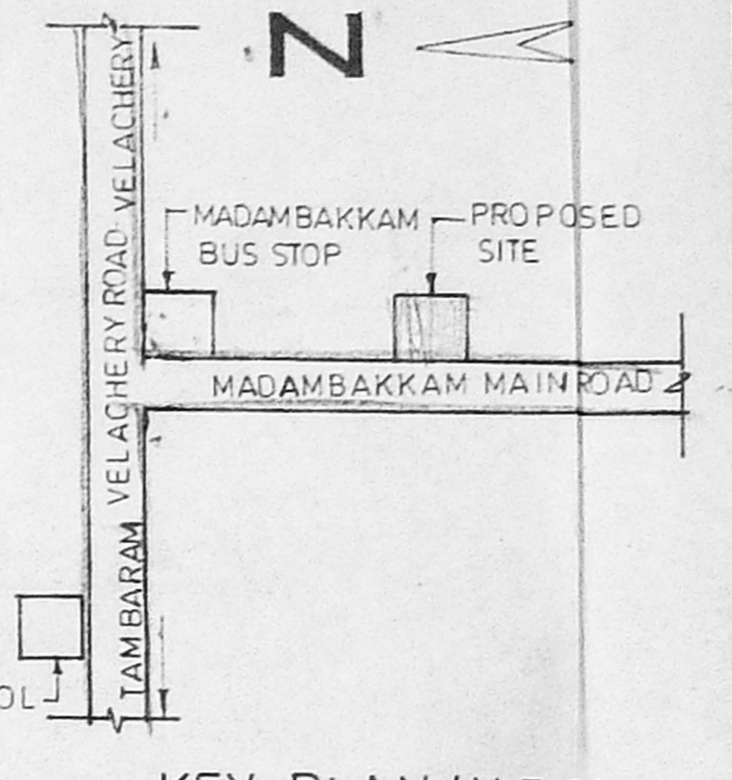
SECTION ON 'A-B'



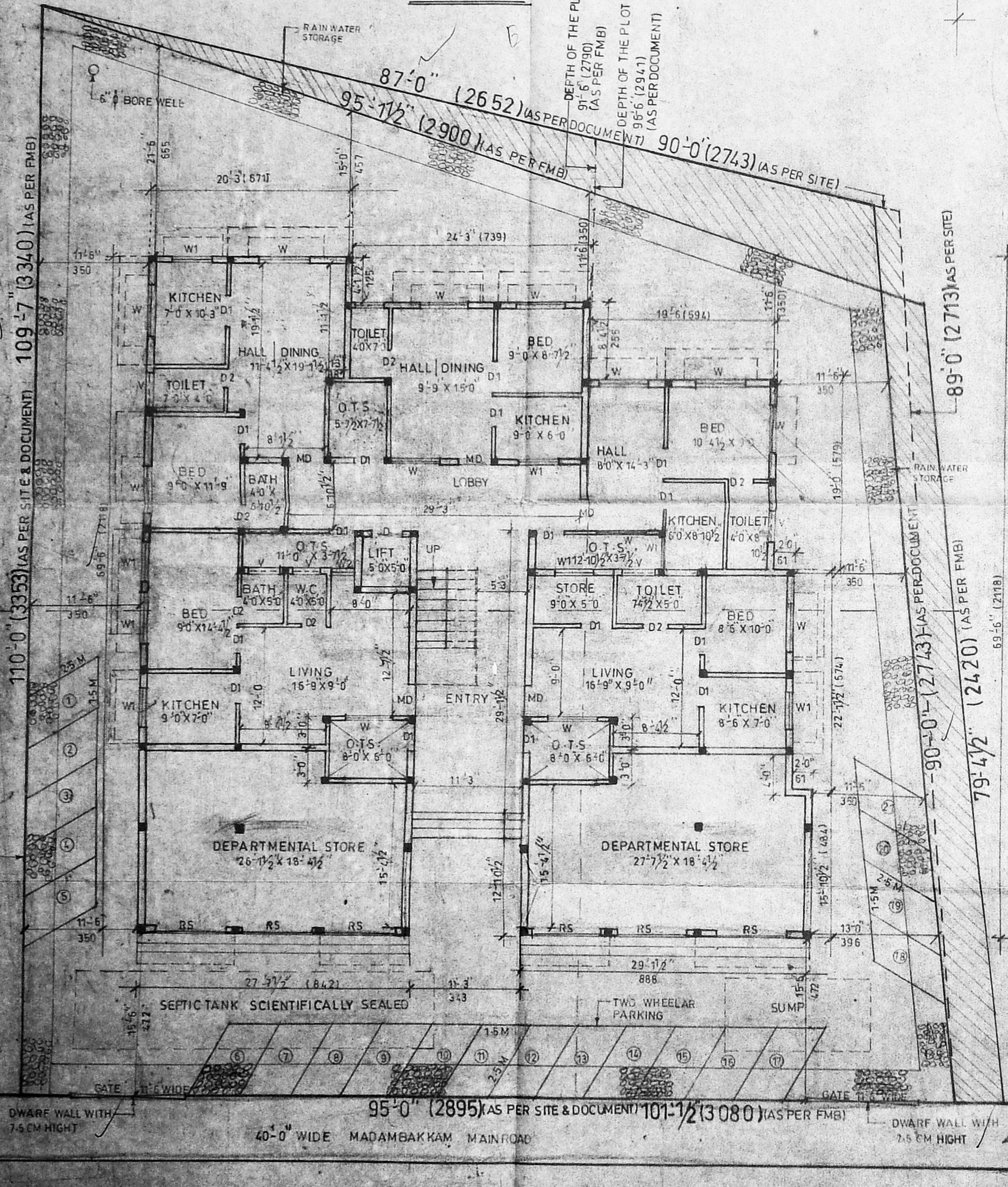
PLAN SECTION  
SUMP DETAIL



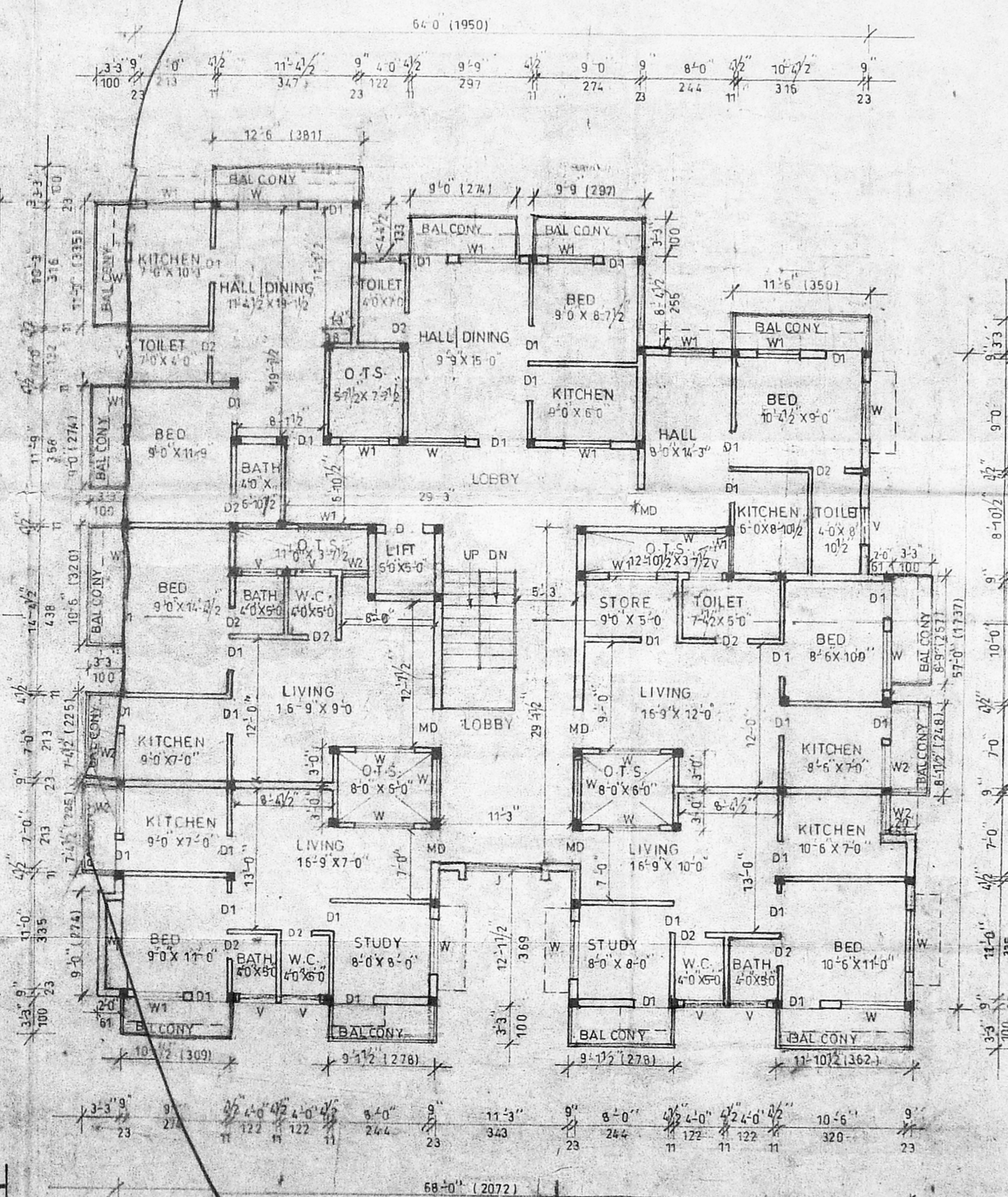
RAIN WATER STORAGE TREANCH



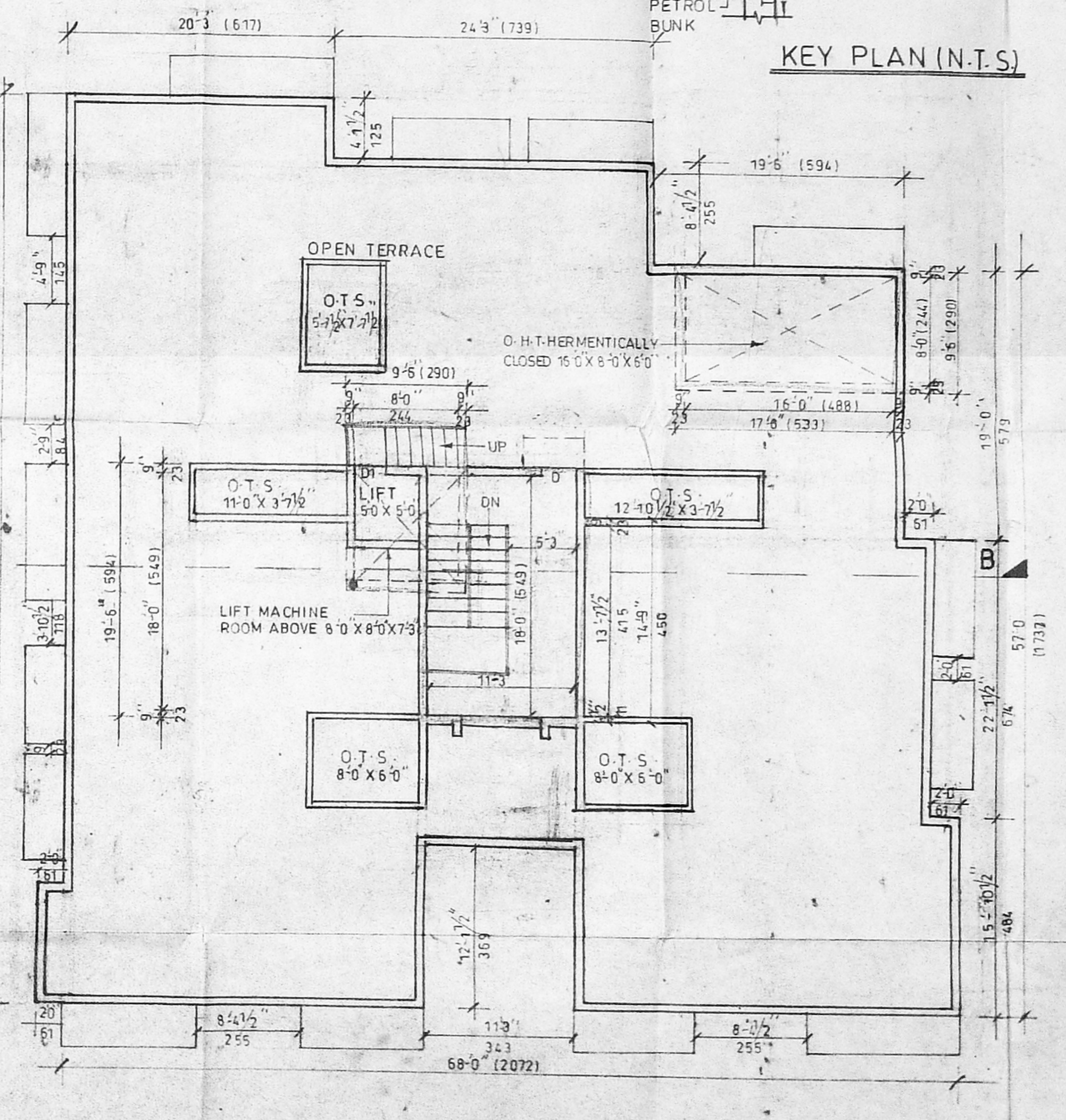
KEY PLAN (N.T.S.)



SITE CUM GROUND FLOOR PLAN



TYPICAL FLOOR PLAN FIRST & SECOND



TERRACE FLOOR PLAN

PLAN SHOWING THE PROPOSED CONSTRUCTION OF A RESIDENTIAL BUILDING AT DOOR NO. 6, MADAMBAKKAM MAIN ROAD, RAJKILPAKKAM, CHENNAI- 600 073 OLD S-NO. 23/1 PART, NEW S-NO. 23/1A1B, RAJKILPAKKAM VILLAGE, SAIDAPET TALUK, KANCHEEPURAM DISTRICT.

OFFICE COPY  
 Planning Permit No. 13/SP/156/43-3/03  
**APPROVED**  
 SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.  
 Date: 23-12-02  
 FOR THE MUNICIPALITY CHENNAI-600 008

Revised plan  
 Dt. 11/12/02  
**CMDA (B) No. 1**  
 C. No. 13/2/21128/02  
 Asst. Scrutiny P.A. 27/12/02  
 D.P.

SCALE 1/8"=1'-0"

**SCHEDULE OF JOINERY**

MD MAIN DOOR	3'-3" X 7'-0"	100 X 213
D1 DOOR	3'-0" X 7'-0"	91 X 213
D2 DOOR	2'-6" X 7'-0"	76 X 213
W WINDOW	5'-0" X 4'-6"	152 X 137
W1 WINDOW	4'-0" X 4'-6"	122 X 137
W2 WINDOW	3'-0" X 4'-6"	91 X 137
V VENTILATOR	3'-0" X 2'-0"	91 X 61

**AREA STATEMENT**

PLOT EXTENT	9170-00	851-89
GROUND FLOOR	3852-62	357-72
FIRST FLOOR	4341-24	403-30
SECOND FLOOR	4341-24	403-30
TOTAL AREA	12533-12	1164-32
PLOT COVERAGE		41.99%
F.S.I.		1.37

**COLOUR INDEX**

PROPOSAL	—
ROAD	—
SITE BOUNDARY	—

OWNER  
 K. Selvam  
 K. Prithvikaanth  
 K. SELVAM, B.E., AMIE, C.Eng (I.A.I.)  
 Consulting Civil Engineer  
 Approved & Licensed Surveyor  
 Class I Reg. No. 2002-03  
 Door No. 11/17, Thiruvalluvar Salai,  
 Mogappair East, Chennai-600 050.  
 Phone: 6562050

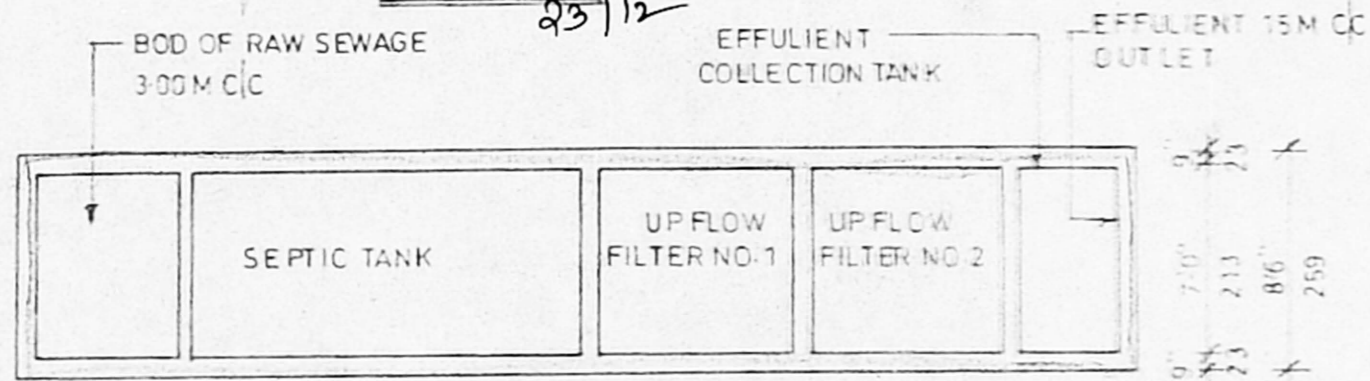
LICENSED SURVEYOR

OFFICE COPY

B/S.P. B/S./439-B/S/02  
 Planning Permit No  
**APPROVED**  
 SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.  
 No. B2/21128/02 Date 23-12-02  
 FOR MEMBER SECRETARY  
 CHENNAI METROPOLITAN  
 DEVELOPMENT AUTHORITY  
 CHENNAI-600 008.



SECTION



9"	20'0"	9"	7'0"	9"	7'0"	9' 5"	9"
23	509	23	213	23	215	23 752	23
		42-9"					
		1303					

PLAN OF SEPTIC TANK

DESIGN OF SEPTIC TANK WITH UPFLOW FILTER FOR 21 DWELLINGS

NO-OF FLATS OF DWELLINGS	21
ASSUMING 5 PERSONS PER FLATS	21 X 5 = 105
NO-OF PERSONS	105
NO-OF USERS	105
ASSUMING 2 FIXTURES PER FLAT	21 X 2 = 42 UNITS
PER HOUR DISCHARGE	42 X 6 = 252 LPM

SEPTIC TANK

SURFACE AREA NEEDED	$\frac{252 \times 0.92}{10} = 23.184$ SAY $24M^2$
VOLUME OF SEDIMENTATION ASSUMING 0.6M DEPTH	$24 \times 0.6M = 14.4M^3$
FOR DIGESTION	$105 \times 0.032 = 3.36M^3$
FOR SLUDGE STORAGE	$0.0002 \times 365 \times 105 = 7.65M^3$
FREE BOARD FOR SLUDGE	$24 \times 0.6M = 14.40M^3$
	<u><math>39.82M^3</math> SAY <math>40M^3</math></u>

DEPTH =  $\frac{VOLUME}{STORAGE} = \frac{40}{24} = 1.66M$

SIZE OF SEPTIC TANK: 6.0 X 2.1 X 1.66M

UPFLOW FILTER

LIQUID DEPTH OF SEPTIC TANK	1.66M
VOLUME: $105 \times 0.045 = 4.72M^3$	
UPFLOW FILTER DEPTH	
ALLOWING 0.6M FREE BOARD	$= 1.66 - 0.6 = 1.06M$

AREA NEEDED:  $\frac{4.7}{1.06} = 4.43M^2$  SAY  $4.5M^2$

SIZE OF UPFLOW FILTER = 2.1 X 1.6M  
 UPFLOW FILTER NO:1 = 2.1 X 2.1 X 2.1M  
 UPFLOW FILTER NO:2 = 2.1 X 2.1 X 2.0M

PLAN SHOWING THE PROPOSED CONSTRUCTION OF A RESIDENTIAL BUILDING AT DOOR NO:6, MADAMBAK -KAM MAIN ROAD, RAJKILP -AKKAM, CHENNAI-600 073 OLD S.NO: 23|1 PART, NEW S.NO: 23|1A1B, RAJKILPA K K -AM VILLAGE, SAIDAPET TALUK, KANCHEEPURAM DISTRICT.

CMDA (B) / No. 1  
 C. No. B2/21128/02  
 Dt. 11/12/02  
 SHEET NO: 2  
 D.P.

K. Jagan  
 K. Prabhakar

OWNER

K. SELVAM, B.E., AMIE, C.Eng (I) A.I.V.  
 Consulting Civil Engineer Chartered Engineer  
 Approved Valuer & Licensed Surveyor,  
 Class I Reg. No. 600 2002-2003  
 Door No. 11/17, Thiruvalluvar Salai,  
 Megapattinam East, Chennai-600 050.  
 Phone. 6562050

LICENSED SURVEYOR