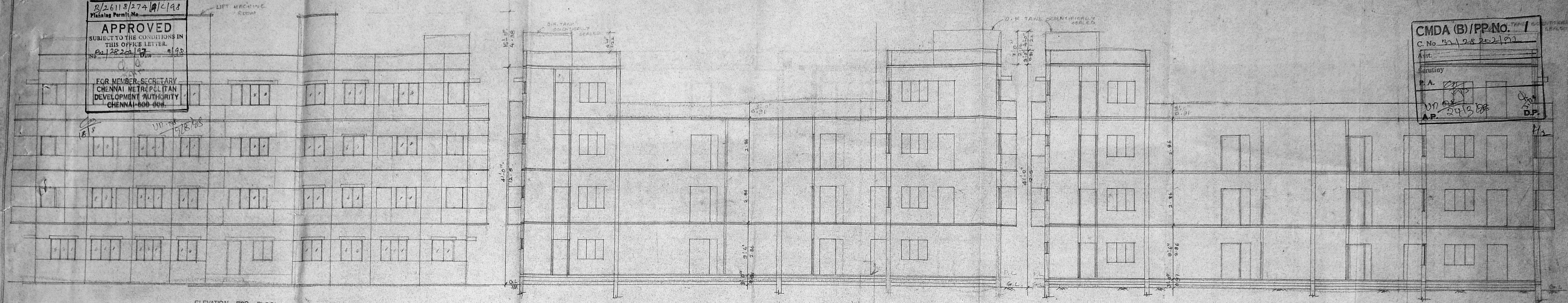


o/c

B/26118/274/11/198  
 Planning Permit No.  
**APPROVED**  
 SUBJECT TO THE CONDITIONS IN  
 THIS OFFICE LETTER.  
 No. 12820/197  
 11/198

FOR MEMBER SECRETARY  
 CHENNAI METROPOLITAN  
 DEVELOPMENT AUTHORITY  
 CHENNAI-600 008

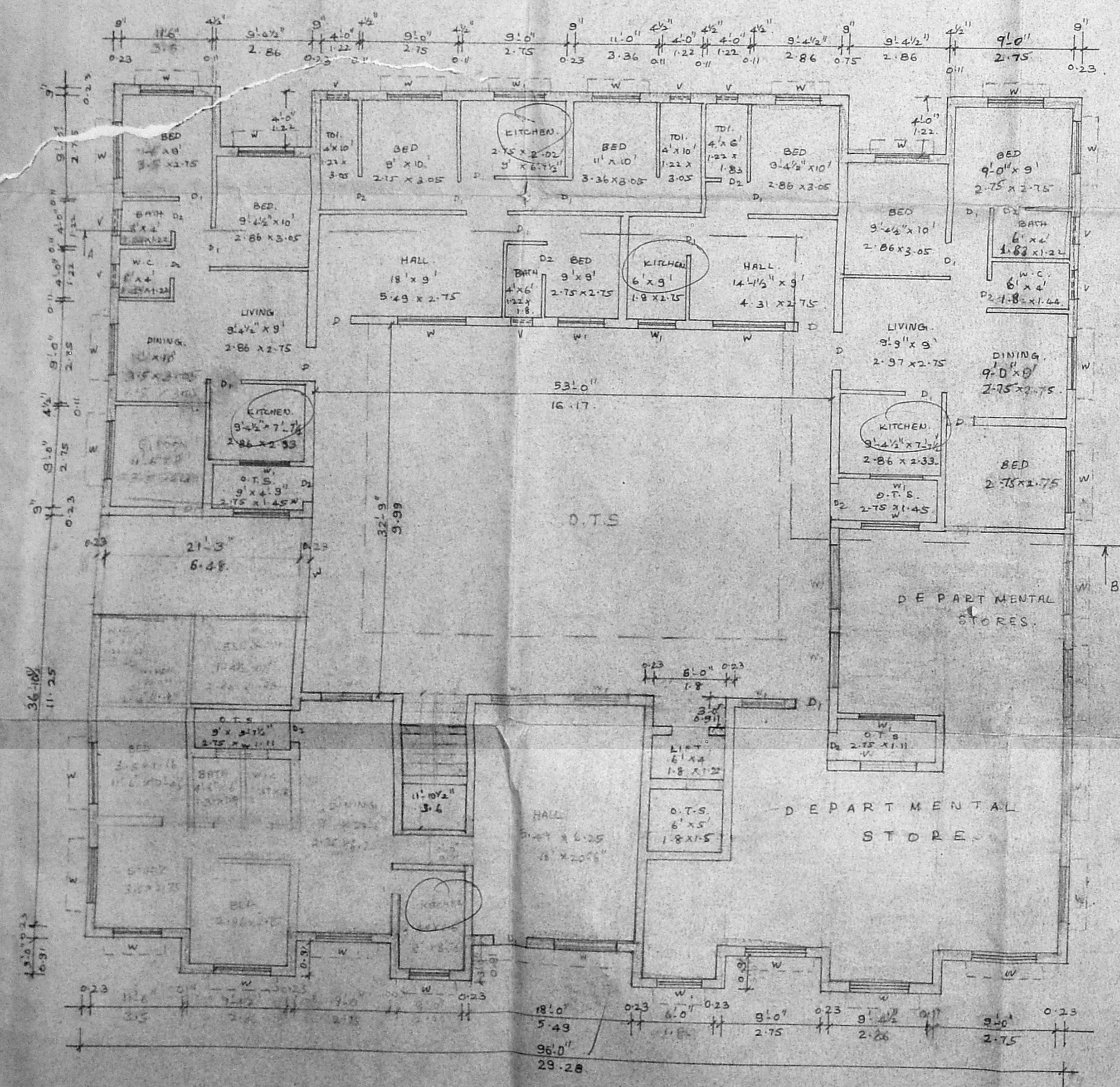
**CMDA (B)/PP.No. 1**  
 C.No. 30/28/202/197  
 Security  
 P.A.  
 AP. 24/3/98  
 D.P.



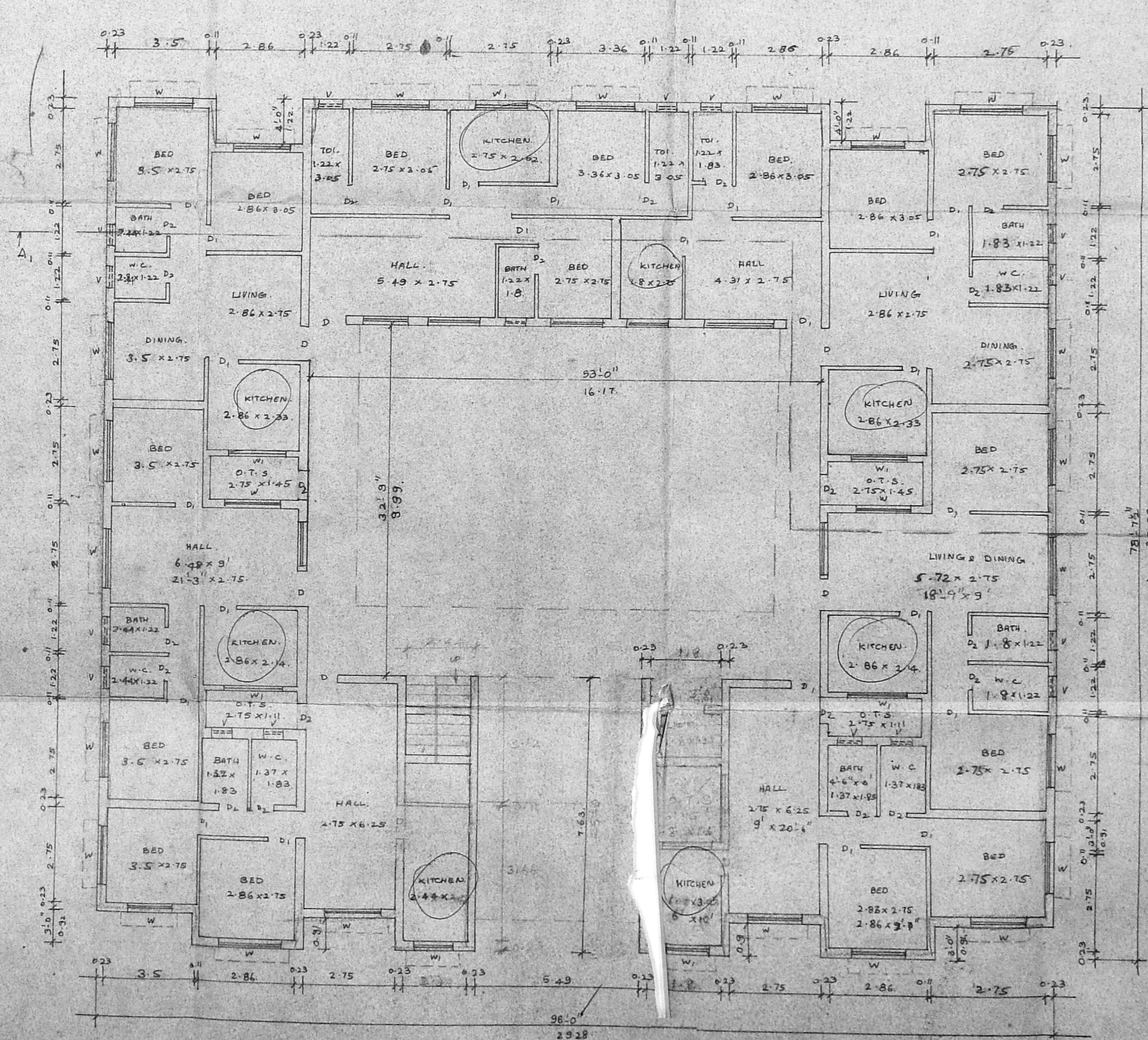
ELEVATION FOR BLOCK-A AND BLOCK-B

SECTION AB FOR BLOCK A

SECTION AB FOR BLOCK B



GROUND FLOOR PLAN FOR BLOCK-A



GROUND FLOOR PLAN FOR BLOCK-B

PROPOSED CONSTRUCTION  
 OF RESIDENTIAL BUILDING  
 AT S.No: 89/3B, To 89/3B4,  
 ULLAGARAM VILLAGE,  
 SAIDAPET TALUK,  
 ALANDUR SUB-REGISTR-  
 ATION DISTRICT.

DWG. SHEET No: 1/3

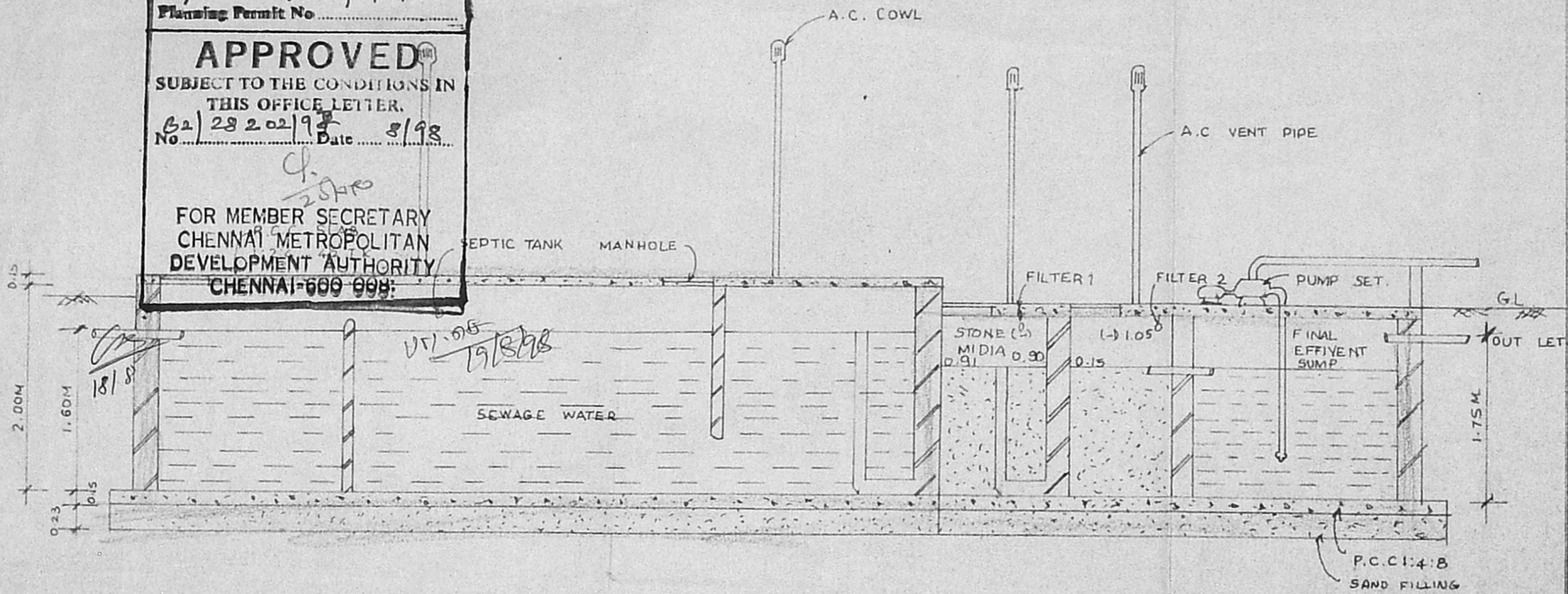
Scale : 1" To 8'

*Apparajithan*  
 owner / power agent.

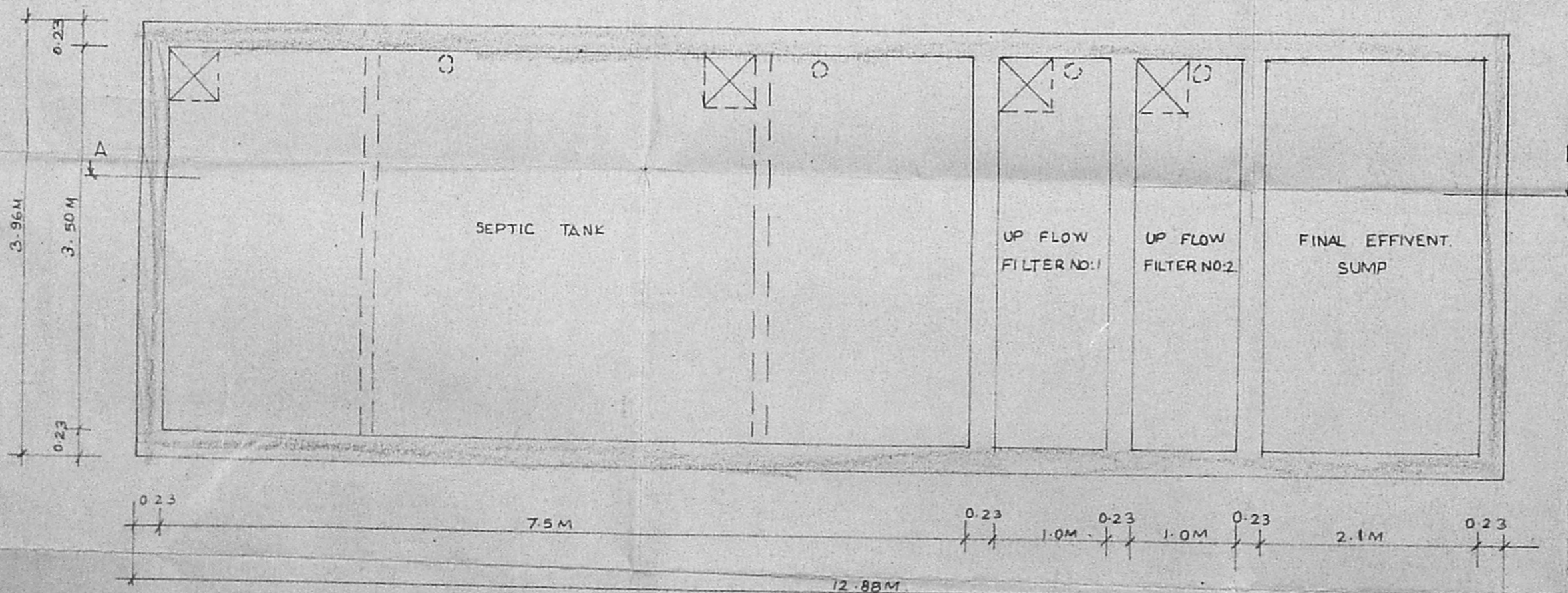
*R. Jeyakumar*  
 R. JEYAKUMAR, B.E. (CIVIL), M.E.  
 1 CLASS LICENCE SURVEYOR  
 LICENCE No: 732  
 182-C, GREYS LANE  
 THOUSAND LIGHTS, MADRAS-6  
 licensed surveyor.



B/26118/274/C/98  
 Planning Permit No. ....  
**APPROVED**  
 SUBJECT TO THE CONDITIONS IN  
 THIS OFFICE LETTER.  
 No. 28202/98 Date 3/98  
 FOR MEMBER SECRETARY  
 CHENNAI METROPOLITAN  
 DEVELOPMENT AUTHORITY  
 CHENNAI-600 098



SECTION ON - AB



SEPTIC TANK DETAIL

Scale - 1/4"

DESIGN OF SEPTIC TANK TWO UP FLOW FILTER

No. of dwelling	62
No. of users	62 X 5 = 310
Rate of water supply is	15 l/day
Then flow of sewage per day	310 X 10 = 46,500
Tank capacity	46500 X 18/24 = 34875
Detention period is	18 Hrs
The tank is to be cleaned every year	34875
So sludge storage capacity at the rate 310	
Of 15lts for person per year	310 X 15 = 4650 LTS.
	34875 + 4650 = 39525

With provision for future expansion let the 39525

Total tank capacity be	40000
Septic tank having a capacity of	39525
Depth of liquid as	1.60 M
Plan area of the tank	40/1.60 = 25
The ratio of length to width of tank be	3
L X B X 3	
Breath of tank	7.5M
Length of tank	22.5M
Free board of the tank	0.40 M
Total depth of the	1.6 + 0.4 = 2.0 M
Up flow filter	
Discharge for 310 person	46500 LTS.
Volume	310 X 0.45 = 13.95 M <sup>3</sup>
Depth	1.10 - 0.30 = 0.80 M
Plan area required	13.95/0.80 = 17.44 M <sup>2</sup>
Up flow filter no. 1	1.0 X 3.5 X 1.75
Up flow filter no. 2	1.0 X 3.5 X 1.75
Size of final effluent sump	2.1 X 3.5 X 1.75

**CMDA (B)/PP No. 1**  
 C. No. 1521/202/98  
 Assl. 25  
 Scrutiny  
 P. A. 1313 M.  
 A.P. 273/98  
 D.P.

PROPOSED CONSTRUCTION OF  
 RESIDENTIAL BUILDING AT S.No: 89/3B1  
 TO 89/3B4, ULLAGARAM VILLAGE,  
 SAIDAPET TALUK, ALANDUR  
 SUB-REGISTRATION DISTRICT.

DWG. SHEET No: 3/3. SCALE 1/4" To 1'

OWNER / POWER AGENT :

*Dyegasarani*

*Dyegasarani*

R. JEYAKUMAR, B.E. (CIVIL), M.E.  
 I CLASS LICENCE SURVEYOR  
 LICENCE No: 732  
 162-C, GREAMS LANE  
 THOUSAND LIGHTS, MADRAS-6

LICENSE D. SURVEYOR