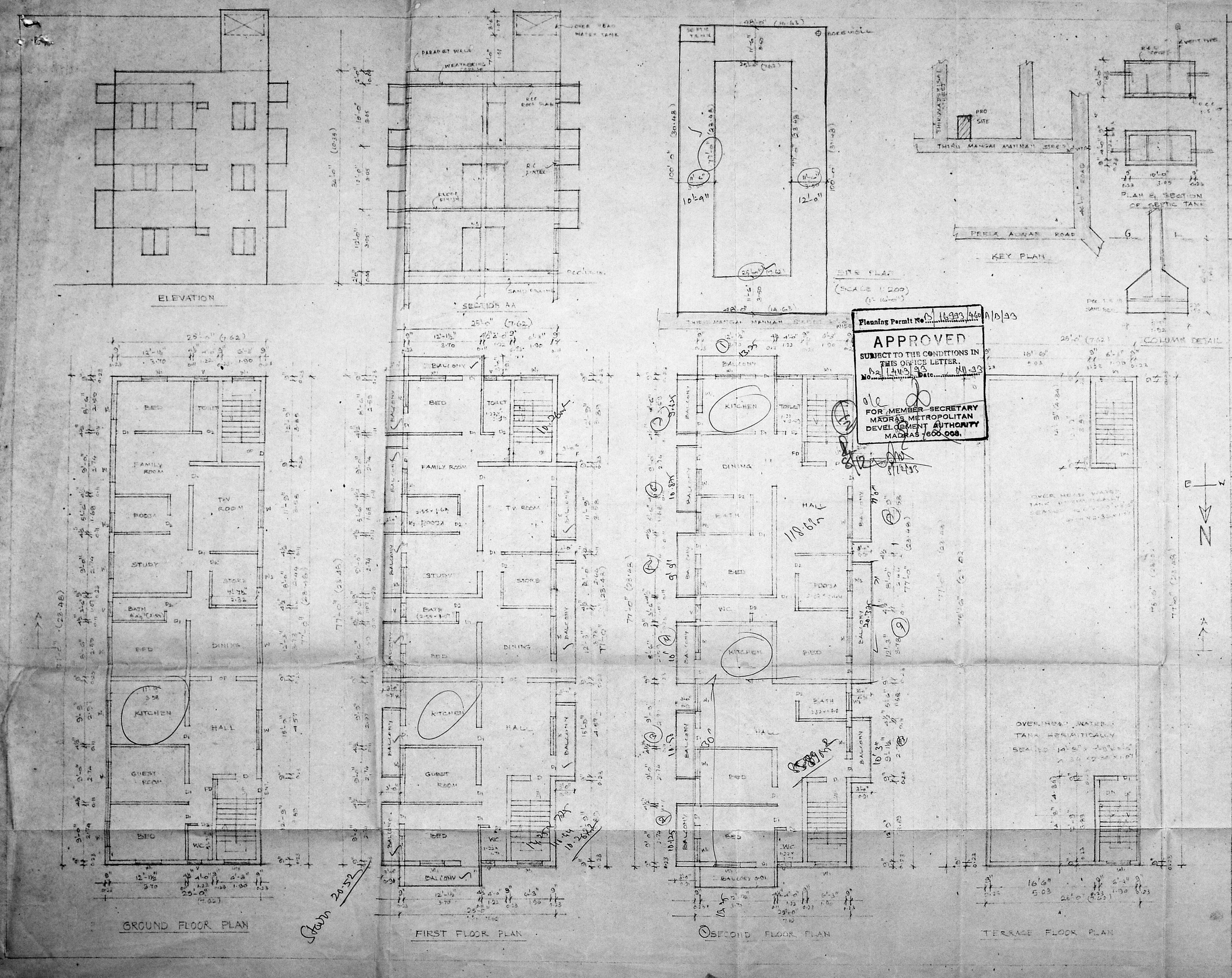


REVISED PLAN

SCHEDULE OF JOINERY

TYPE	DESCRIPTION	SIZE
D	FLUSH DOOR	0.914 x 2.10
D1		0.760 x 2.10
W	GLAZED WINDOW	1.83 x 1.37
W1		1.50 x 1.37
W2		2.91 x 1.37
W3	GLAZED VENTILATOR	0.61 x 0.61
W	FRENCH WINDOW	0.91 x 2.10

MMDA 'B'/PP No. B2/14113/93
C.No.
Scrutiny
PART I
PART II
A.
D.I.

NOTE :-

PROPOSED
ROAD
BOUNDARY

AREA STATEMENT

	SQ.FT.	SQ.M.
PLOT AREA	4800.00	446.09
GROUND FLOOR AREA	1925.05	178.90
FIRST FLOOR AREA	2375.00	220.72
SECOND FLOOR AREA	2375.00	220.72
	6675.00	620.35
STAIRCASE HEAD	110.44	10.26
ROOM AREA	110.44	10.26
F.S.I.	1.39	
PLOT COVERAGE	40.10 %	

SCALE 1:100 (4'-8")
ALL DIMENSIONS ARE IN METRES

PROPOSED FLATS AT PLOT NO. 65 DOOR NO. 12, THIRU MANGAI MANNAN STREET, SELAIYUR VILLAGE, SUNDRAM COLONY EAST TAMBARAM MADRAS R.S. NO. 102

ARCHITECT:
C. VEERANNAN, B.ARCH.,
REGD. ARCHITECT CA NO. 91/4627
94, TRIPLICANE HIGH ROAD
TRIPLICANE MADRAS-5

OWNER:
S. Jaydakh

PROPOSED FLATS AT PLOT NO. 65, THIRUMANGAI MANNAN STREET EAST TAMBARAM, MADRAS. R.S. NO. 102.

DESIGN OF SEPTIC TANK

THE SANITARY FIXTURES IN EACH APARTMENTS:

a) 1 SINK AND 1 TAP IN KITCHEN.
b) ONE OVER HEAD FLUSHING TANK FOR WATER CLOSET AND AN ABLUTION TAP IN THE TOILET.
c) ONE SHOWER, TAP, ONE WASH BASIN.
d) ONE GEYSER IN THE BATHROOM.

FIXTURES	FIXTURE UNITS
KITCHEN	
KITCHEN SINK	4 NOS
KITCHEN TAP	4 NOS.
TOILET AND BATH	
ABLUTION TAP	3
FLUSH TANK	3
TAP IN WC	3
SHOWER	7
WASH BASIN	4
GEYSER	3
	31 Units.

TOTAL FIXTURE UNITS - 31 UNITS.
PEAK DISCHARE AT 8.36 UNITS RATE = 8.36.
FLOWS FOR 31 UNITS = 39.03 Lpm.
EACH APARTMENT SERVING 5 PERSONS.
TOTAL PERSONS = 20 PERSONS.

Planning Permit No. D/16993/460B/B/93
APPROVED
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.
No. B2/14N3/93 Date. 4.11.93
FOR MEMBER SECRETARY
MADRAS METROPOLITAN DEVELOPMENT AUTHORITY
MADRAS-600 008.

TANK CAPACITY FOR SEDIMENTATION.

SURFACE AREA OF TANK AT 0.92 M^2 /10 Lpm.

$0.92 \times \frac{39.03}{10} = 3.59\ M^2$

ASSUMING 0.3 M DEPTH
VOLUME = $3.59 \times 0.3 = 1.077\ M^3$.

FOR SLUDGE DIGESTION.

CAPACITY REQUIRED FOR SLUDGE DIGESTION AT 0.032 M^3 PER CAPIRA.

$0.032 \times 20 = 0.64\ M^3$.

FOR SLUDGE STORAGE - ASSUMING CLEANING ONCE IN TWO YEARS VOLUME REQUIRED FOR DIGESTED SLUDGE AT 0.0002 M^3 /CAPITAL/DAY

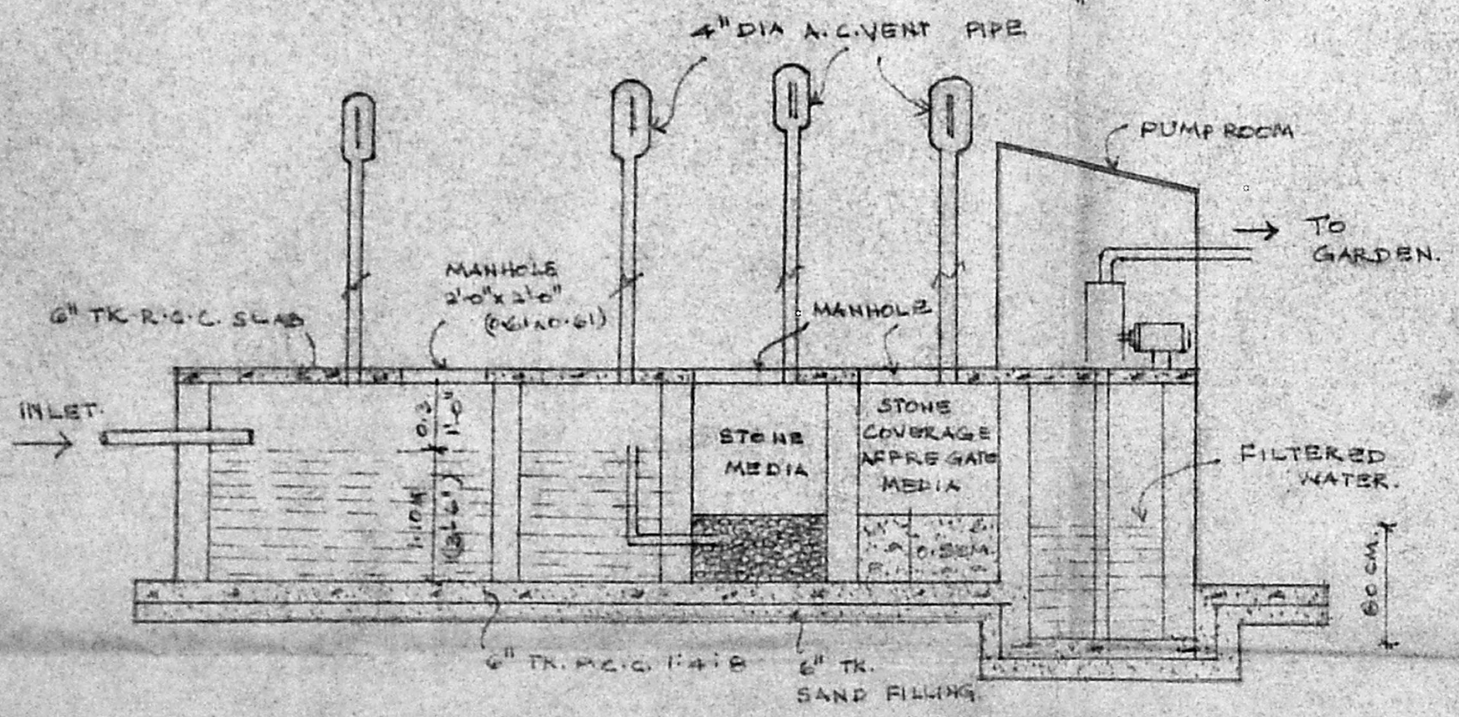
$0.0002 \times 365 \times 20 \times 2 = 2.92\ M^3$.

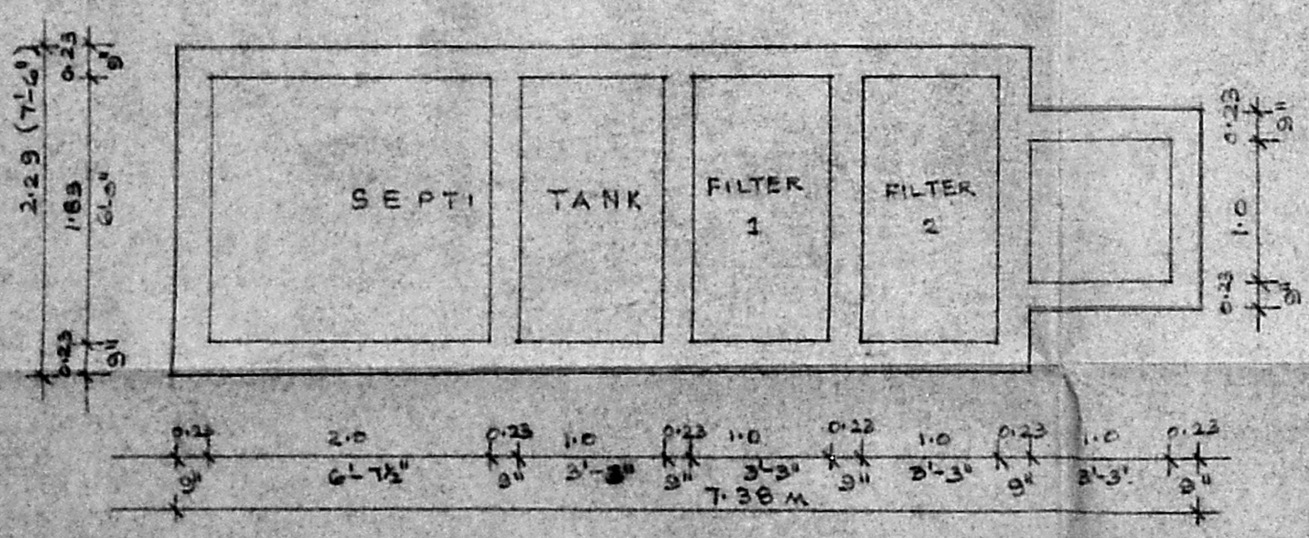
FOR SEED SLUDGE.
INCREASE THE VOLUME BY TEN PER TO PROVIDE.
SEED SLUDGE - 0.438 M^3.
FREE BOARD - ASSUMING A FREE BOARD OF 30 CMS.
VOLUME = $3.59 \times 0.3 = 1.077\ M^3$

TOTAL CAPACITY AND DIMENSION.
TOTAL CAPACITY OF TANK
$1.077 + 0.64 + 2.92 + 0.438 + 1.077 = 6.152\ M^3$

TOTAL DEPTH OF TANK $= \frac{6.152}{3.59} = 1.71$ M.

ADOPT WIDTH OF TANK (b) = 1M
b = 1M $\quad l = \frac{3.59}{1} = 3.59$ M (or) 11'-9"
say 12'-0"





SEPTIC TANK DETAILS

LICENSED SURVEYOR:-

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