

CMDA B. I.P.P No. 1
C.No. B2/1270/92

Asst.
Scrutiny
P.A.

AP D.P.

M0 MAIN DOOR	100 x 214
D2 DOOR	81 x 14
D3 DOOR	75 x 14
W1 WINDOW	122 x 122
W2 WINDOW	152 x 122
W3 WINDOW	152 x 122
W4 WINDOW	152 x 122
KW KITCHEN WINDOW	152 x 91
V VENTILATOR	75 x 61

AREA STATEMENT.

TOTAL PLOT AREA	4900.00	420.07
PROPOSED		
GROUND FLOOR AREA	3967.76	342.71
FIRST FLOOR AREA	4285.00	372.23
SECOND FLOOR AREA	4285.00	372.23
TOTAL	12537.76	1105.17
PLOT COVERAGE	10.07%	
P.C.I.	1.266	

COLOUR INDEX.



DESIGN OF SEPTIC TANK AND UP FLOW FILTERS.

NO OF DWELLING	21 UNITS
NO OF UNITS	21 UNITS
RATE OF WATER SUPPLY IS	150 LPH/DAY
TOTAL FLOW OF WASTEWATER PER DAY	105 M3 / 107500 L
RETENTION PERIOD IS	15 HRS
TANK CAPACITY	1575 M3 / 163800 L
THE TANK IS TO BE CLEANED EVERY YEAR	
SO GAUGING STORAGE CAPACITY AT THE RATE OF 15 LITRE PER PERSON PER YEAR	315 M3 / 330750 L
WITH PROVISION FOR FUTURE EXPANSION (AT THE TOTAL TANK CAPACITY OF 30,000 LITRE) 20% INCREASE IN TANK CAPACITY	63 M3 / 66150 L
DEPTH OF LIQUID AS	1.5 M
FLAT AREA TO THE TANK	2011.60
LENGTH & BREADTH AS	30.00 M
THE RATIO OF LENGTH TO BREADTH OF TANK BE	2
BREADTH OF TANK	15.00 M
LENGTH OF TANK	30.00 M
FREE BOARD OF THE TANK	0.40 M
TOTAL DEPTH OF THE TANK 1.50 + 0.40	1.90 M

NOTE: TWO SEPTIC TANK EACH OF 15.00 M X 30.00 M TO BE PROVIDED WITH UP FLOW FILTERS.

DISCHARGE FOR GAS PRODUCTION = 75000 LITRE

VOLUME = 500 x 45 = 22500 LITRE

DEPTH = 1.50 + 0.40 = 1.90 M

AREA REQUIRED AS 22500 / 1.90 = 11842.11 SQ.M

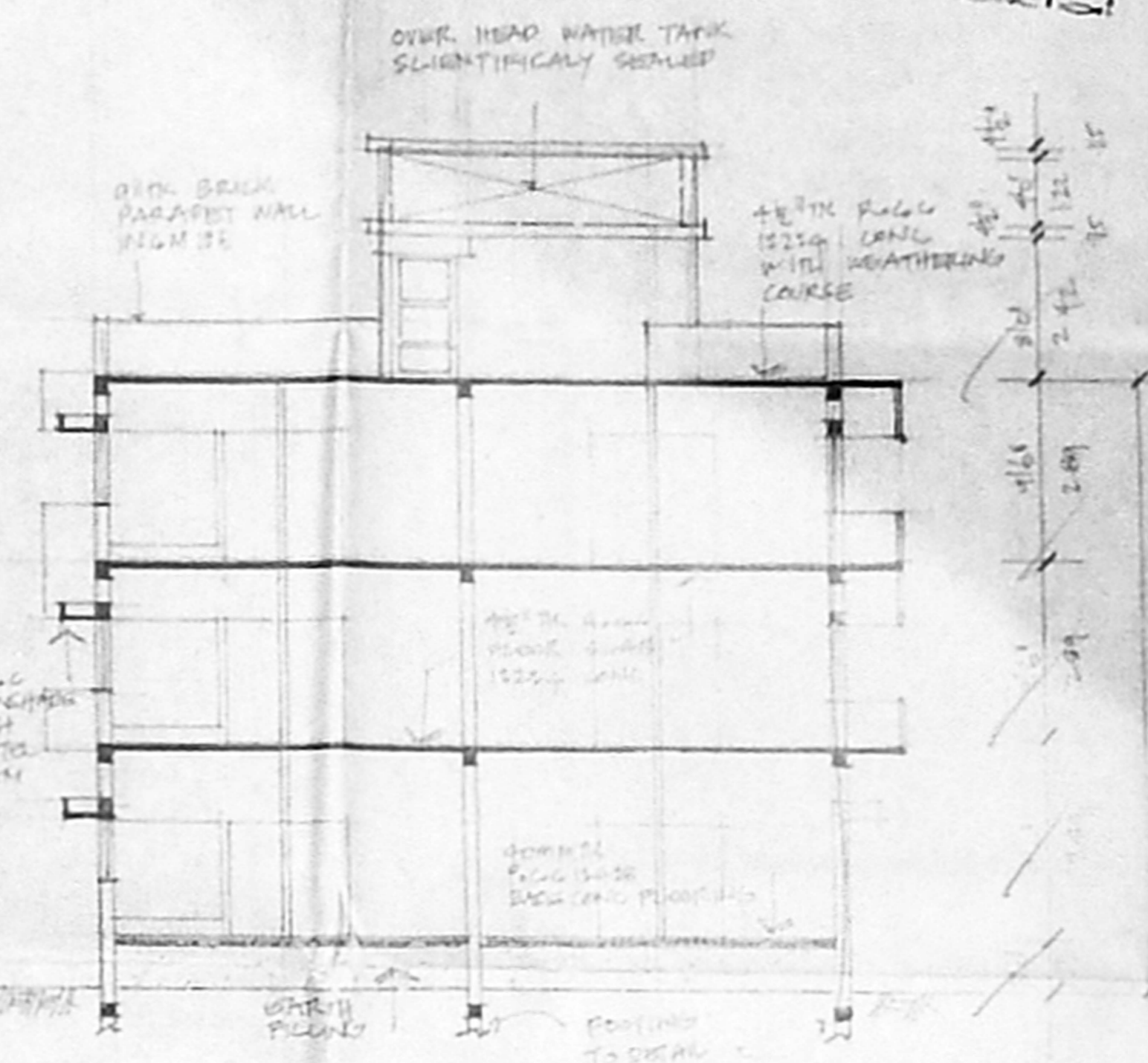
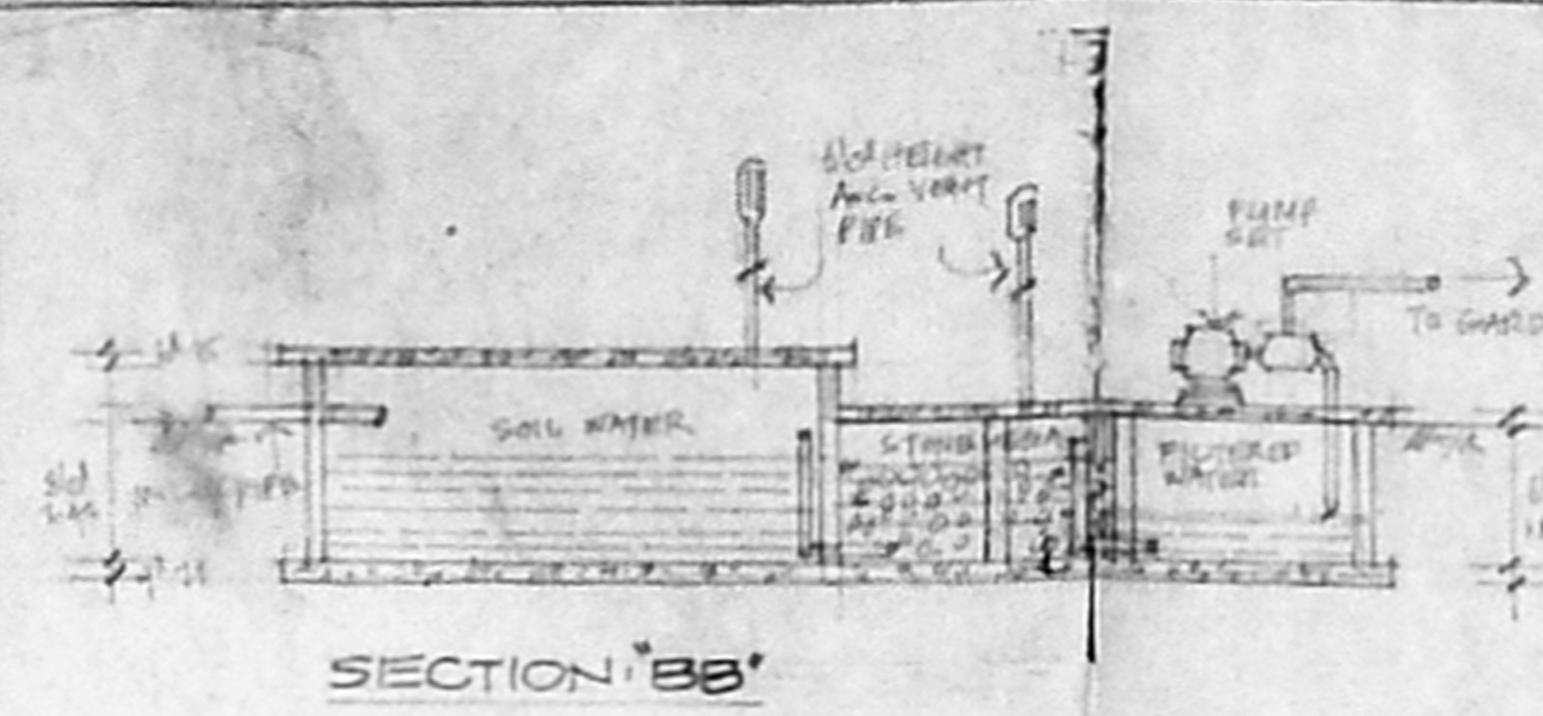
PLAN SHOWING THE PROPOSED RESIDENTIAL FLATS AT PNOs 6,7,8,9 IN LAY OUT APPROVED IN P.D.D./L.D NO.101/93 IN VILLAGE NO. 100. PAMMAL TOWN PANCHAYAT S NO. 19/123.

SCALE 1:100

OWNERS:

K. SELVAM, M.E.T.
Licensed Surveyor,
Class-I, Reg. No. 800,
Corporation of Chennai,
No. 1, 370, Mappalore East,
CHENNAI-600 050

LICENSED SURVEYOR



SEPTICTANK WITH UPFLOW FILTERS

