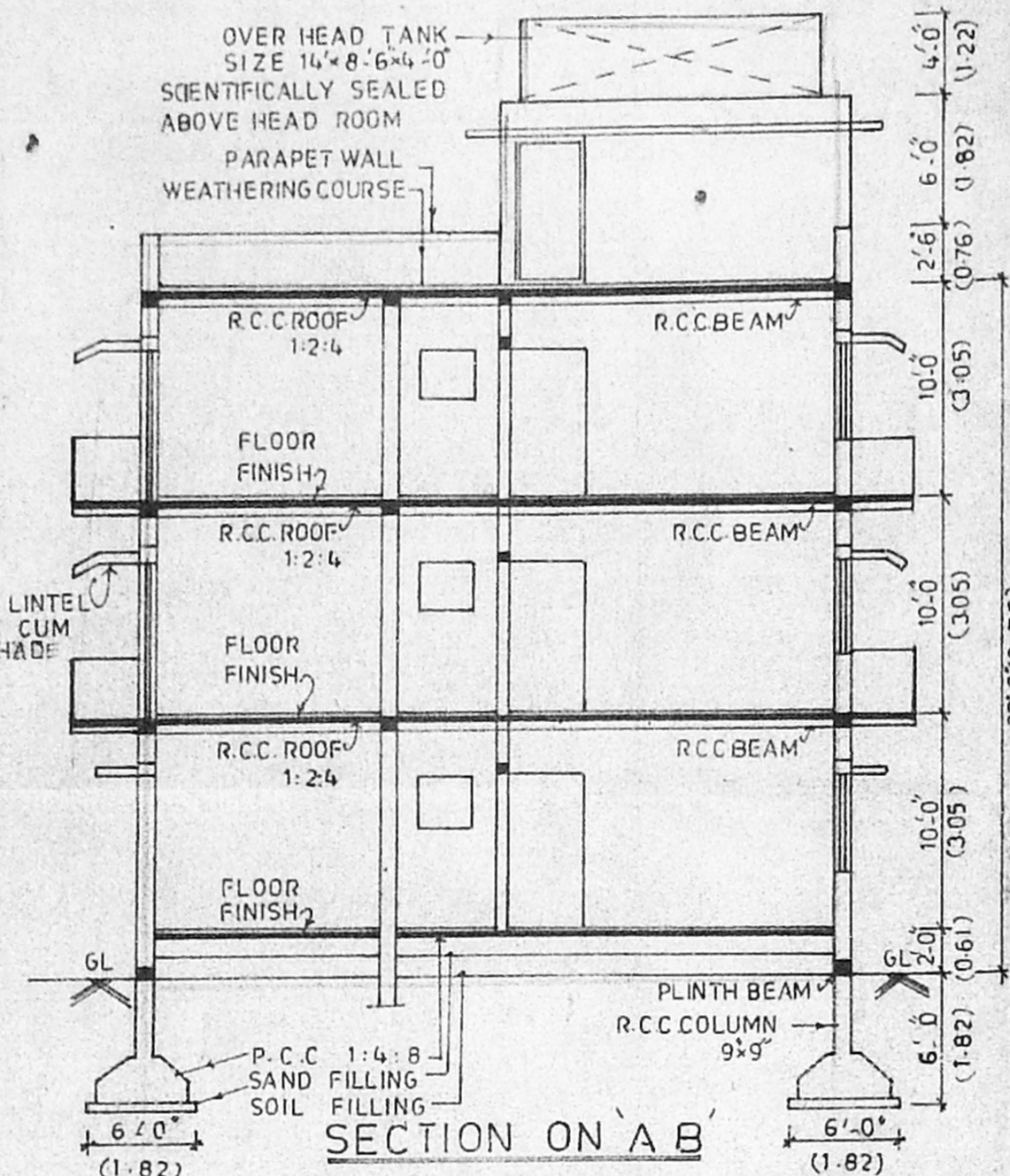
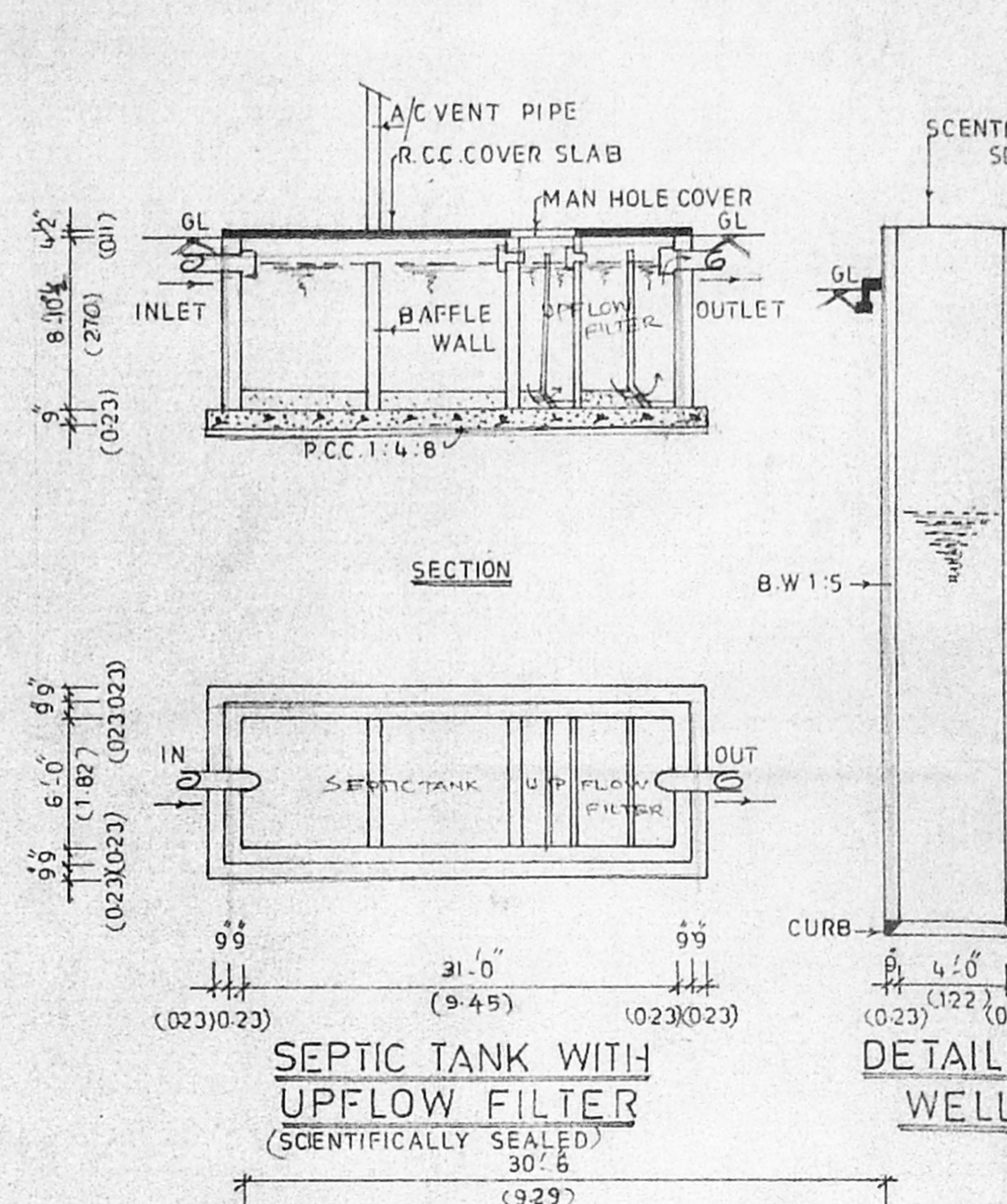


FRONT ELEVATION

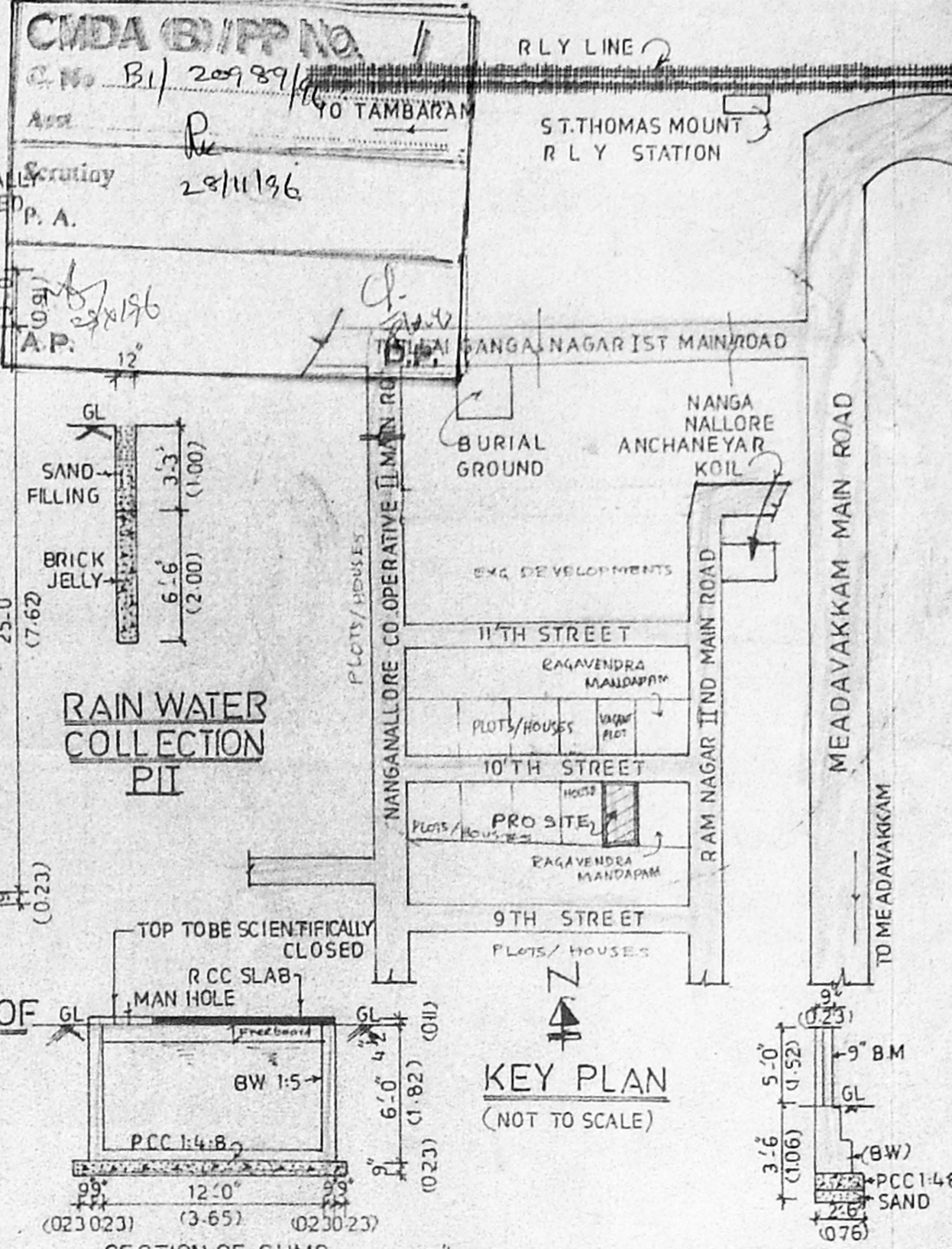


SECTION ON A B

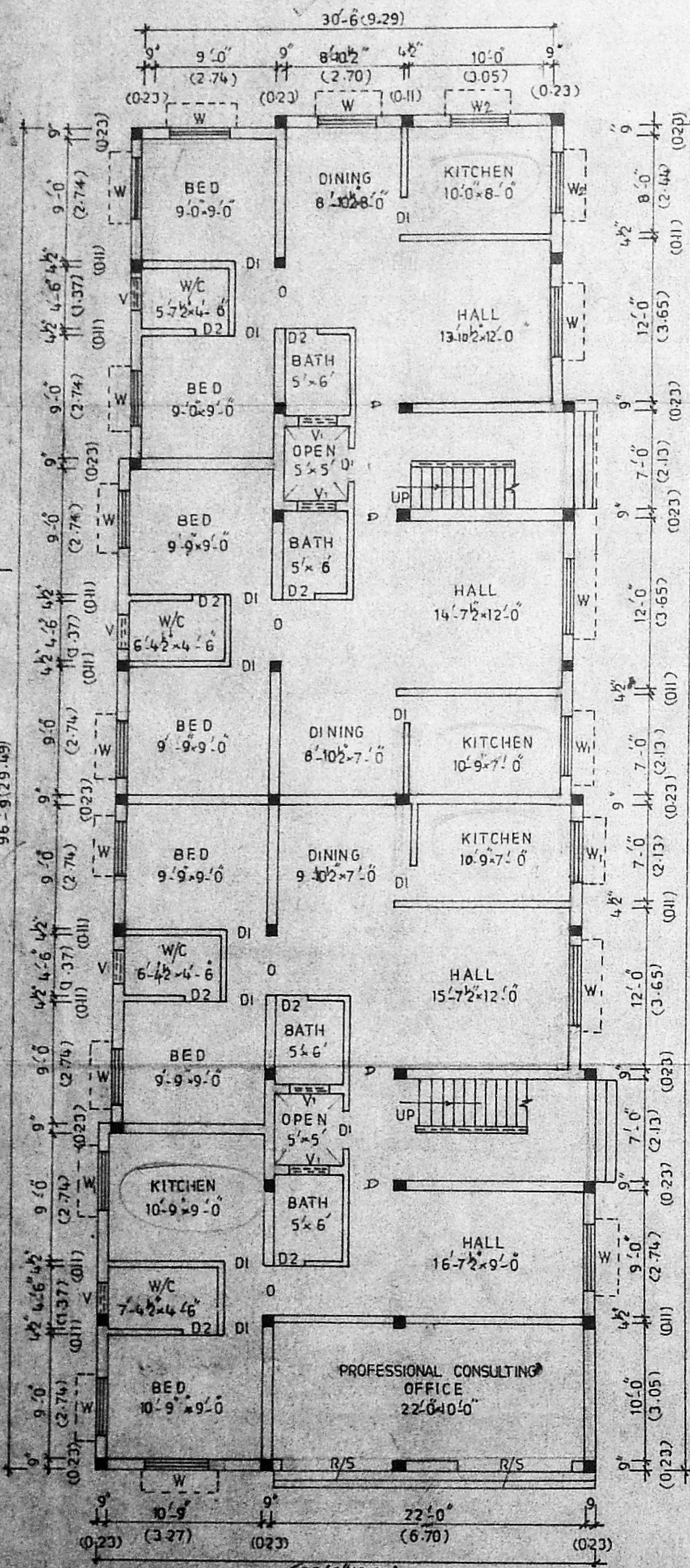


SEPTIC TANK WITH UPFLOW FILTER (SCIENTIFICALLY SEALED)

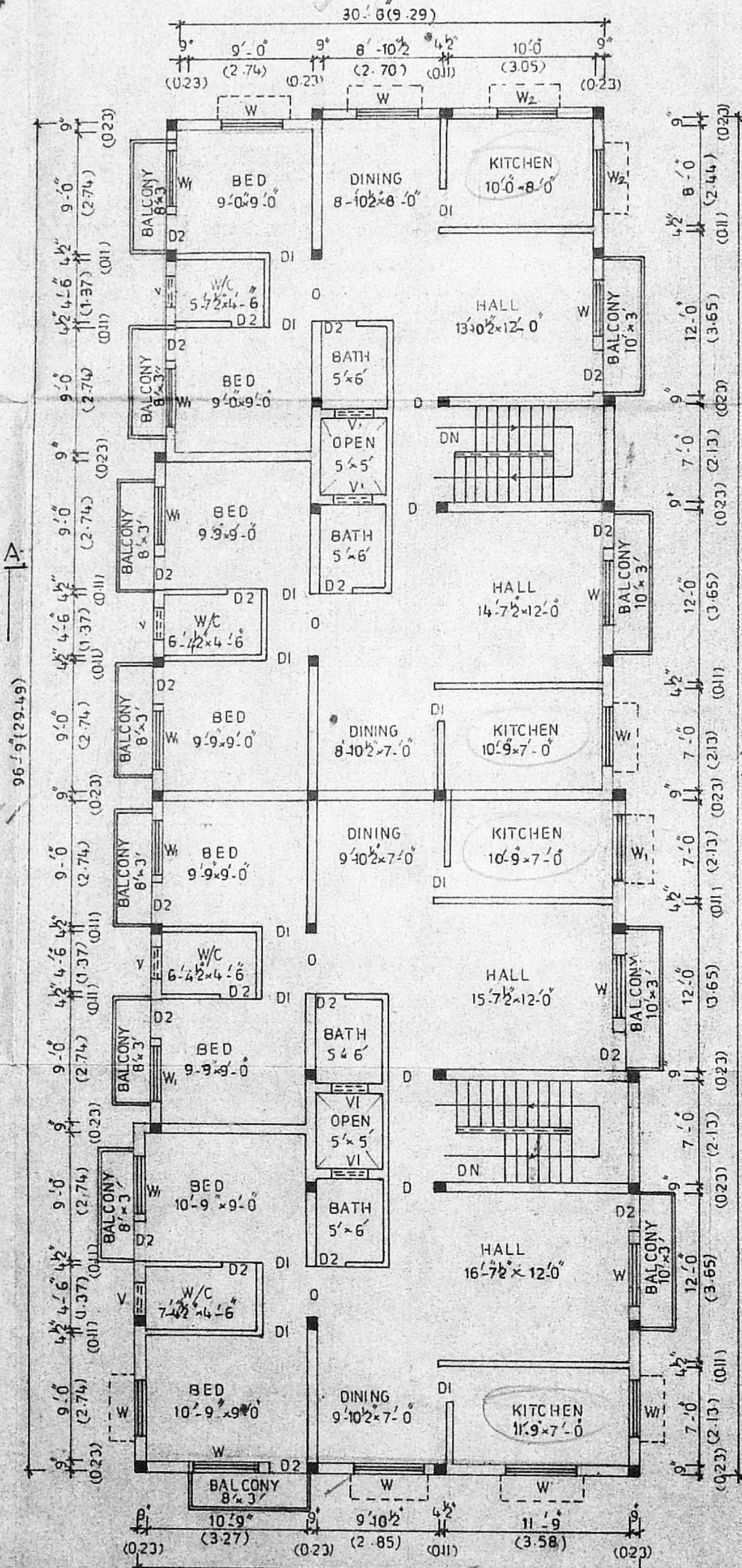
DETAILS OF WELL



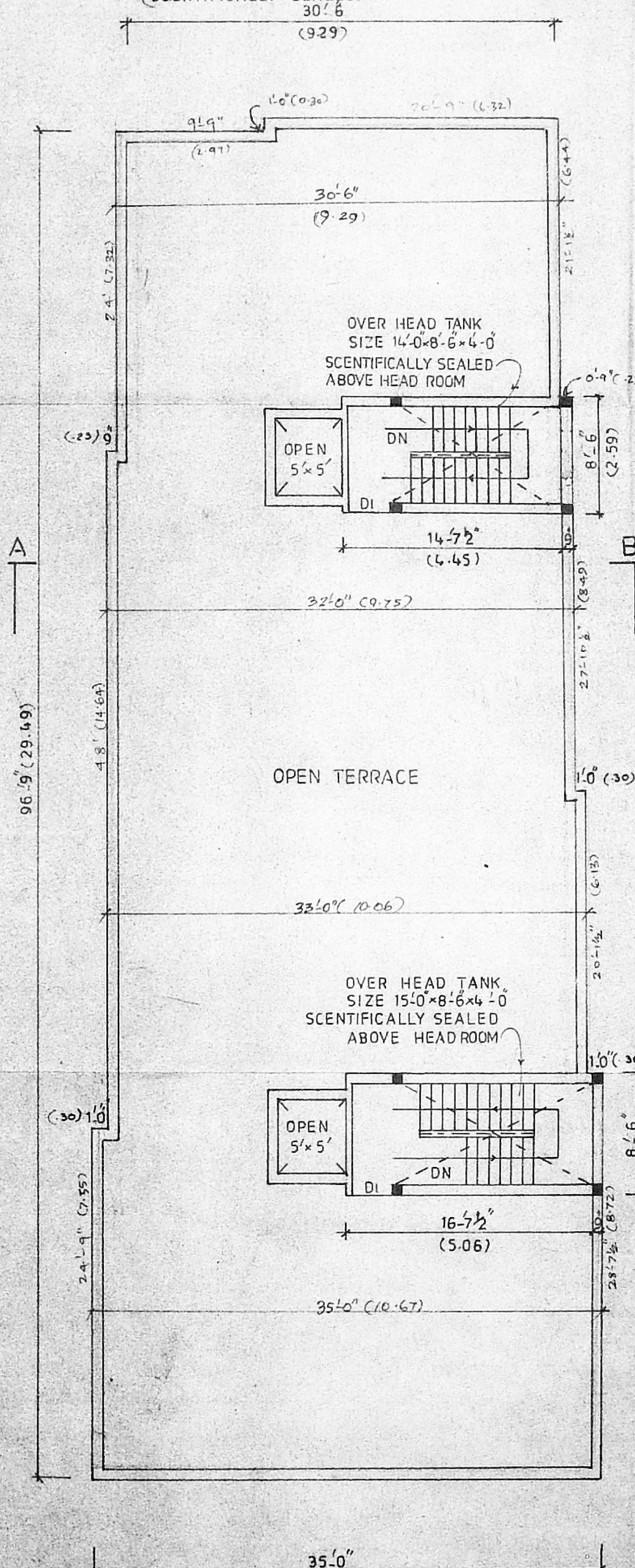
KEY PLAN (NOT TO SCALE)



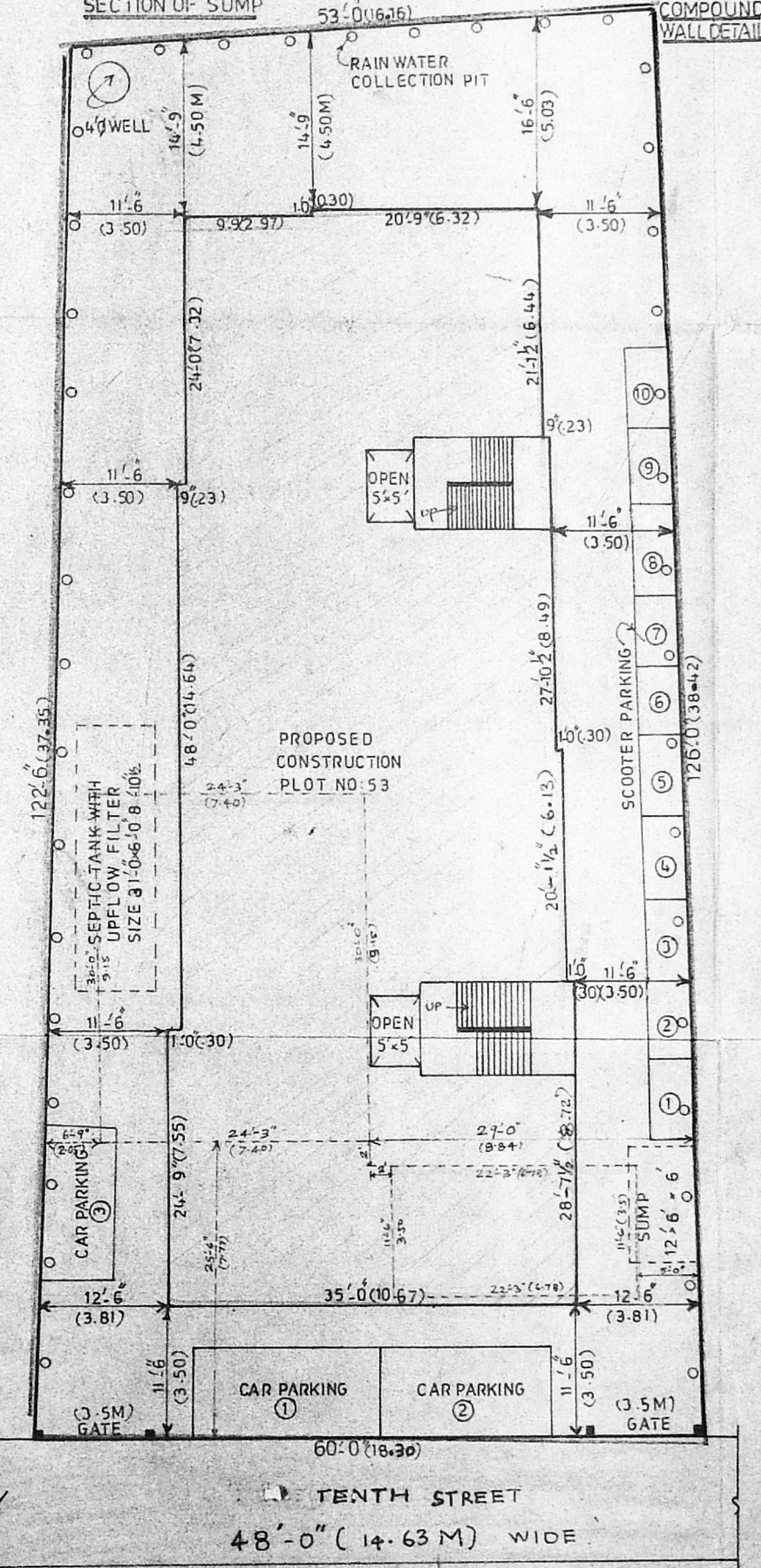
GROUND FLOOR PLAN



(TYPICAL) FIRST FLOOR AND SECOND FLOOR PLAN



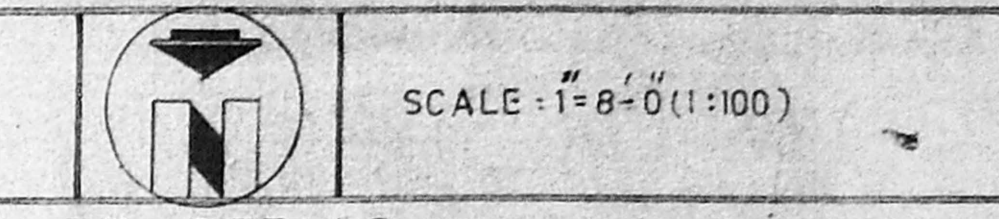
TERRACE FLOOR PLAN



SITE PLAN (SCALE 1:150)

PLAN SHOWING THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING AT PLOT NO: 53, TENTH STREET, IN S.NO: 5(3), OF NANGANALLUR VILLAGE, SAIDAPET TALUK, CHENGALPET M.G.R. DISTRICT.

Revised Plan Dt: 2/11/96



AREA DETAILS

SCALE: 1"=8'-0" (1:100)

SITE EXTENT = 7010 SQFT - 651.50 SQM

GROUND FLOOR = 3135.75 SQFT - 291.43 SQM

FIRST FLOOR = 3447.75 SQFT - 320.42 SQM

SECOND FLOOR = 3447.75 SQFT - 320.42 SQM

TOTAL FLOOR = 10031.25 SQFT - 932.27 SQM

F.S.I = 1.43, PLOT COVERAGE 49.10%

SCHEDULE OF JOINERY

R/S	ROLLING SHUTTER	8'-0" x 8'-0"
D	DOOR	3'-3" x 7'-0"
DI	DOOR	3'-6" x 7'-0"
D2	DOOR	2'-6" x 6'-6"
W	WINDOW	4'-6" x 4'-6"
W1	WINDOW	4'-0" x 4'-6"
W2	WINDOW	3'-0" x 4'-6"
V	VENTILATOR	3'-0" x 2'-0"
VI	VENTILATOR	2'-0" x 2'-0"

COLOUR INDEX

- PRO CONSTRUCTION
- EXISTING ROAD
- SITE BOUNDARY
- EXISTING TO BE DEMOLISHED

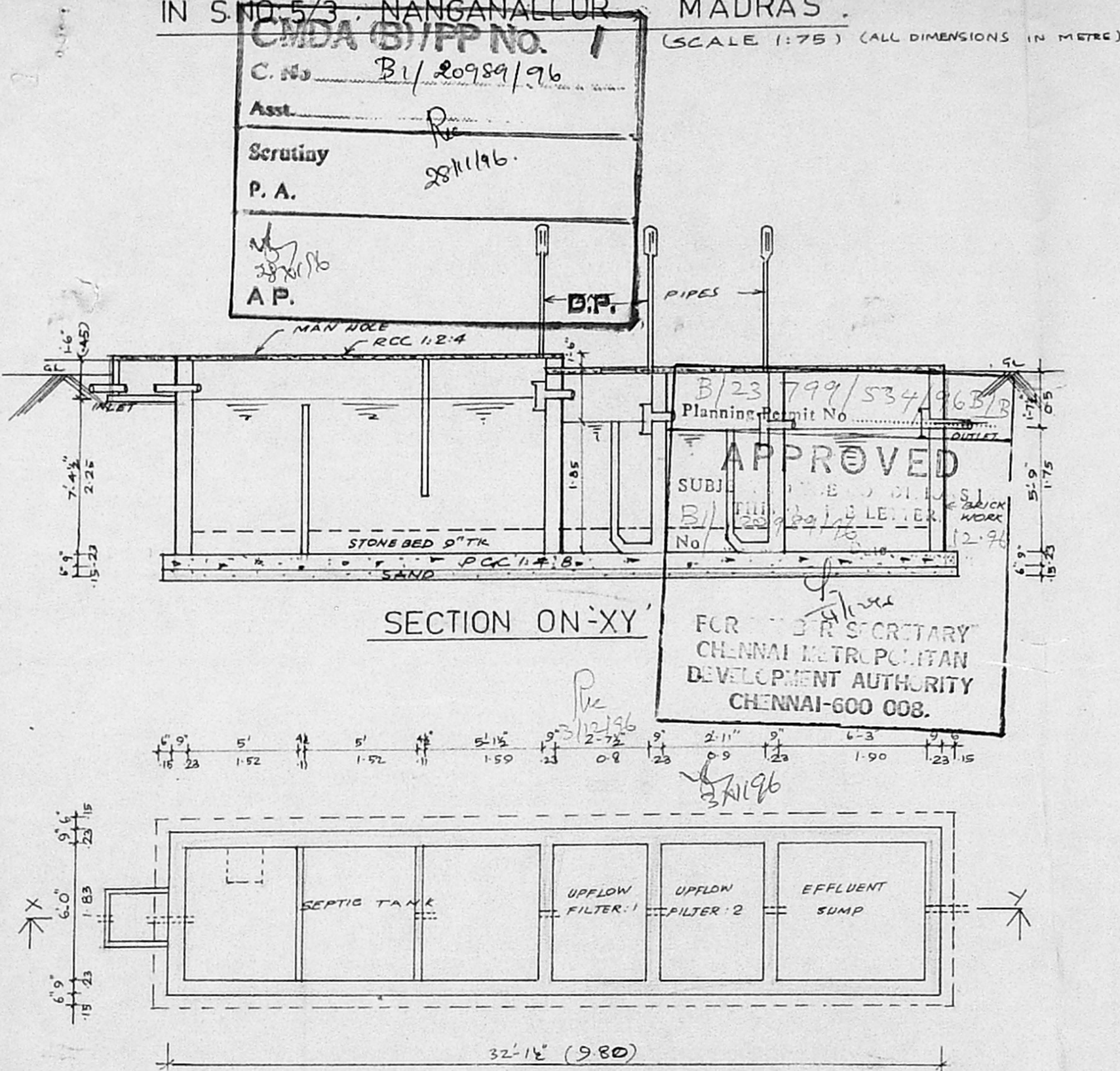
POWER AGENT: (R. NARASIMHAN)

S. ATHIYAMAN B.E.  
Chartered Engineer.  
Class I, Licensed Surveyor No. 189  
Corporation of Madras  
M-19/571, Thiruvalluvar Nagar,  
Thiruvanniyur, Madras-41

LICENCED SURVEYOR



SKETCH SHOWING THE PROPOSED CONSTRUCTION OF THE DWELLING AT PLOT NO:53, 10 TH STREET, IN S.NO.5/3, NANGANALLUR, MADRAS.



SEPTIC TANK & UPFLOW FILTER PLAN

DESIGN OF SEPTIC TANK & UPFLOW FILTERS

NUMBER OF DWELLINGS = 12 NOS  
 NUMBER OF USERS = 12 x 5 = 60  
 RATE OF WATER SUPPLY IS = 150 L/PH  
 FLOW OF SEWAGE PER DAY = 60 x 150 = 9000 Ltr  
 DETENTION PERIOD = 18 HRS  
 TANK CAPACITY = 9000 x 18/24 = 6750 Ltr

SLUDGE STORAGE CAPACITY  
 IN THE RATE OF 15 LTR PER PERSON/YEAR = 60 x 15 = 9000 Ltr  
 WITH PROVISION FOR FUTURE EXPANSION  
 LET THE TOTAL TANK CAPACITY BE = 20,000 Ltr = 20 M<sup>3</sup>  
 SEPTIC TANK HAVING A CAPACITY OF 20 M<sup>3</sup>  
 DEPTH OF LIQUID AS = 2.25 M  
 PLAN AREA OF THE TANK = 20/2.25 = 8.89 M<sup>2</sup>  
 BREDTH OF THE TANK = 1.83 M  
 LENGTH OF THE TANK = 4.85 M  
 TOTAL DEPTH OF THE TANK = 2.25 + 0.45 = 2.70 M  
 PROVIDE SEPTIC TANK SIZE = 4.85 x 1.83 x 2.70

UPFLOW FILTERS:  
 DISCHARGE OF WATER = 6750 Ltr.  
 VOLUME 6750 x 0.45 = 3038 Ltr = 3 M<sup>3</sup>  
 DEPTH OF FILTER TANK = 2.05 M  
 AREA OF TANK(1) = 3/2.05 = 1.46 M<sup>2</sup>  
 LENGTH OF FILTER TANK (1) = 1.46/1.83 = 0.80 M

SIZES OF TANKS  
 UPFLOW FILTER-1 = 0.8 x 1.83 x 2.05  
 UPFLOW FILTER-2 = 0.9 x 1.83 x 1.83  
 EFFLUENT TANK = 1.9 x 1.83 x 1.75

OWNER: (V. NARASIMHAN)  
*V. Narasimhan*

LICENCED SURVEYOR  
*S. Athiyaman*  
**S. ATHIYAMAN B.E.**  
 Chartered Engineer.  
 Class I, Licensed Surveyor No. 189  
 Corporation of Madras  
 M.19/S/1, Thiruvalluvar Nagar,  
 Thiruvannamiyur, Madras-41