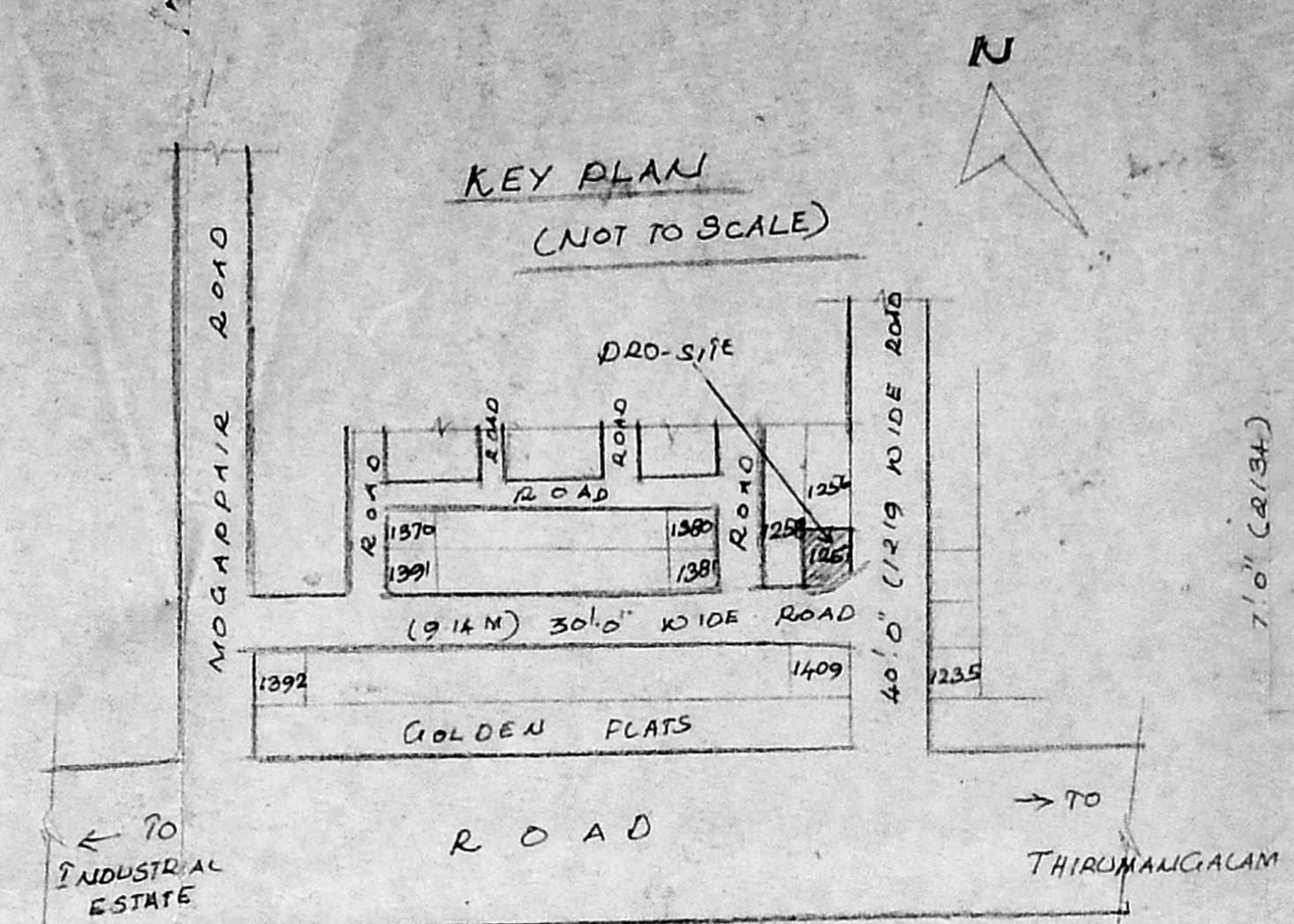


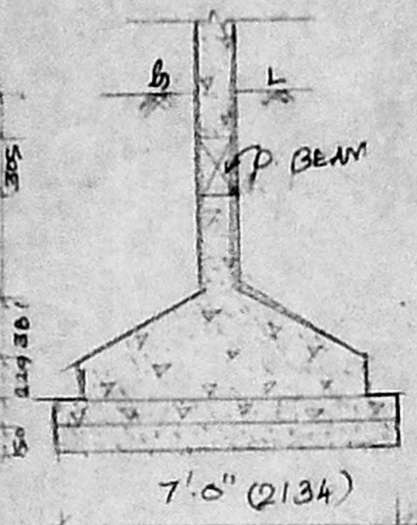
FRONT ELEVATION

B 20623/58 A/B/96  
 Planning Permit No.  
**APPROVED**  
 SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.  
 No. B. 21513/95 Date 2/96  
 FOR MEMBER SECRETARY  
 MADRAS METROPOLITAN  
 DEVELOPMENT AUTHORITY  
 MADRAS - 600 008.

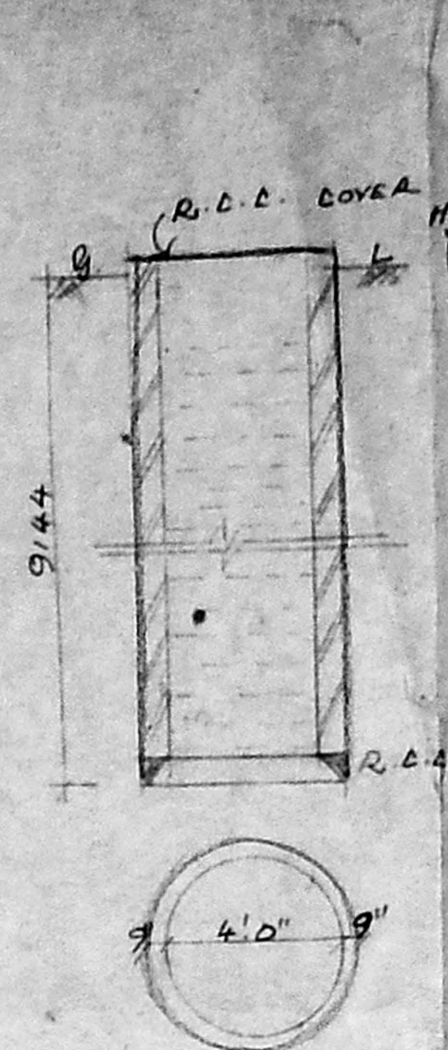
SECTION ON "EE"



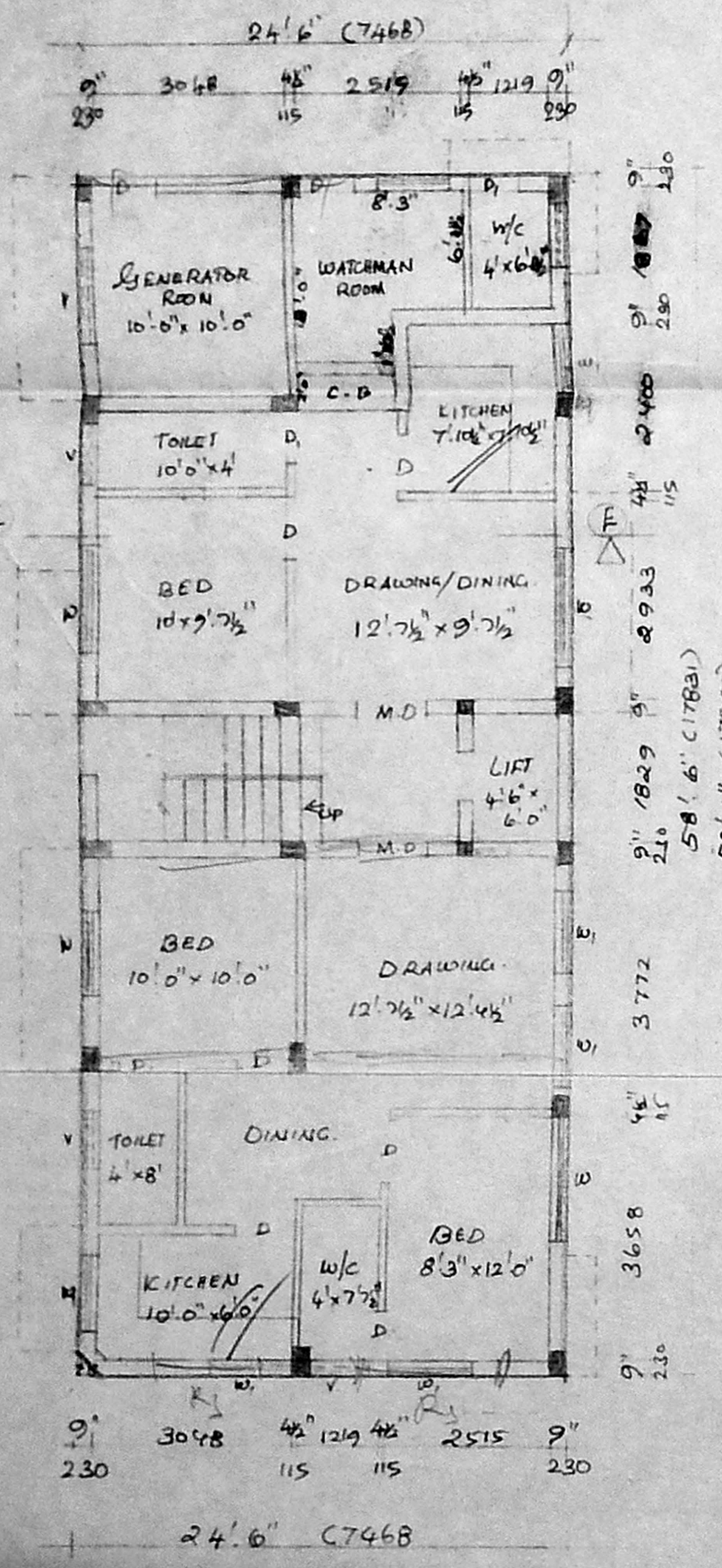
DETAILS OF GATE & COMPOUND WALL



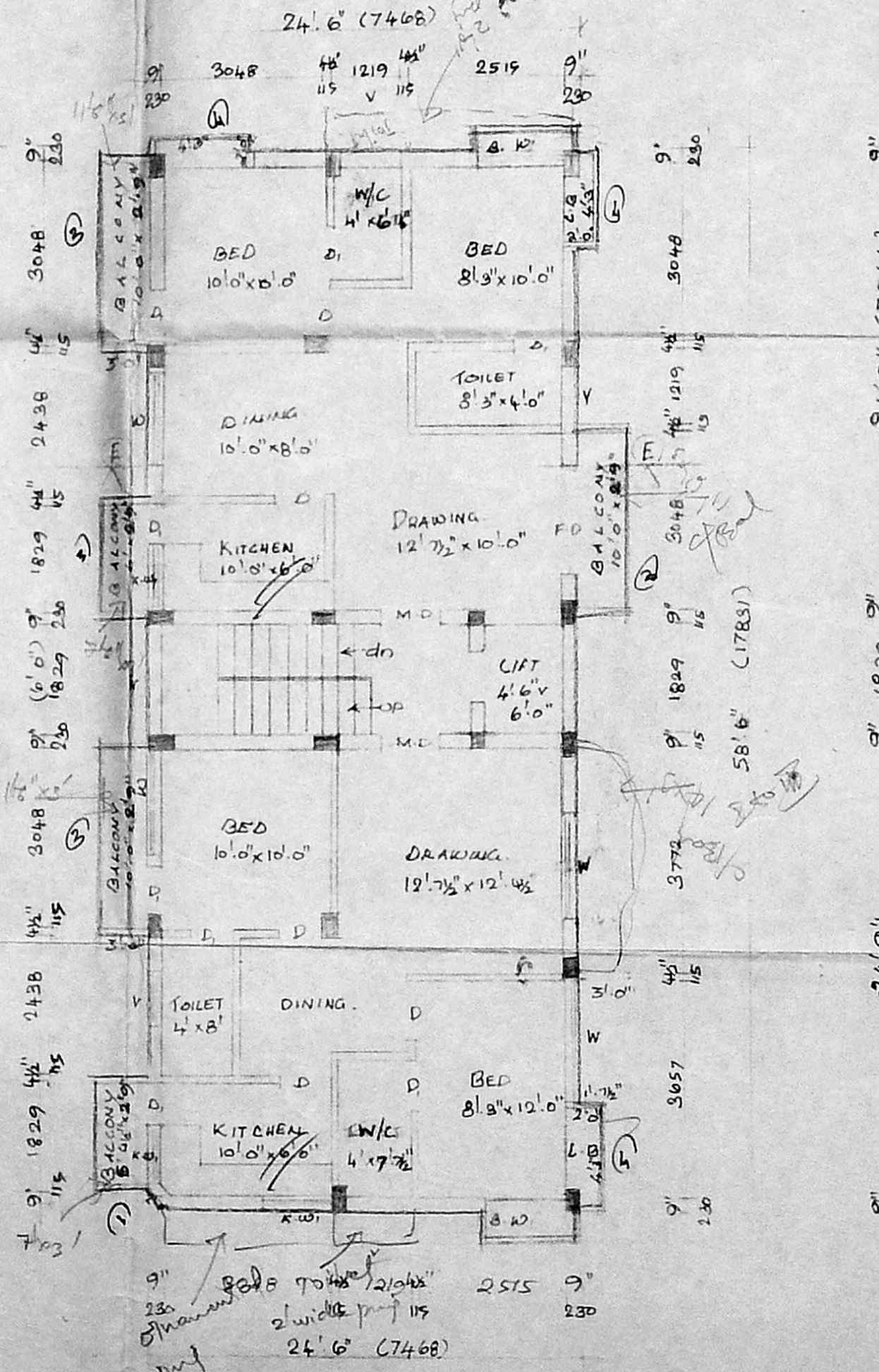
DETAILS OF FOUNDATION



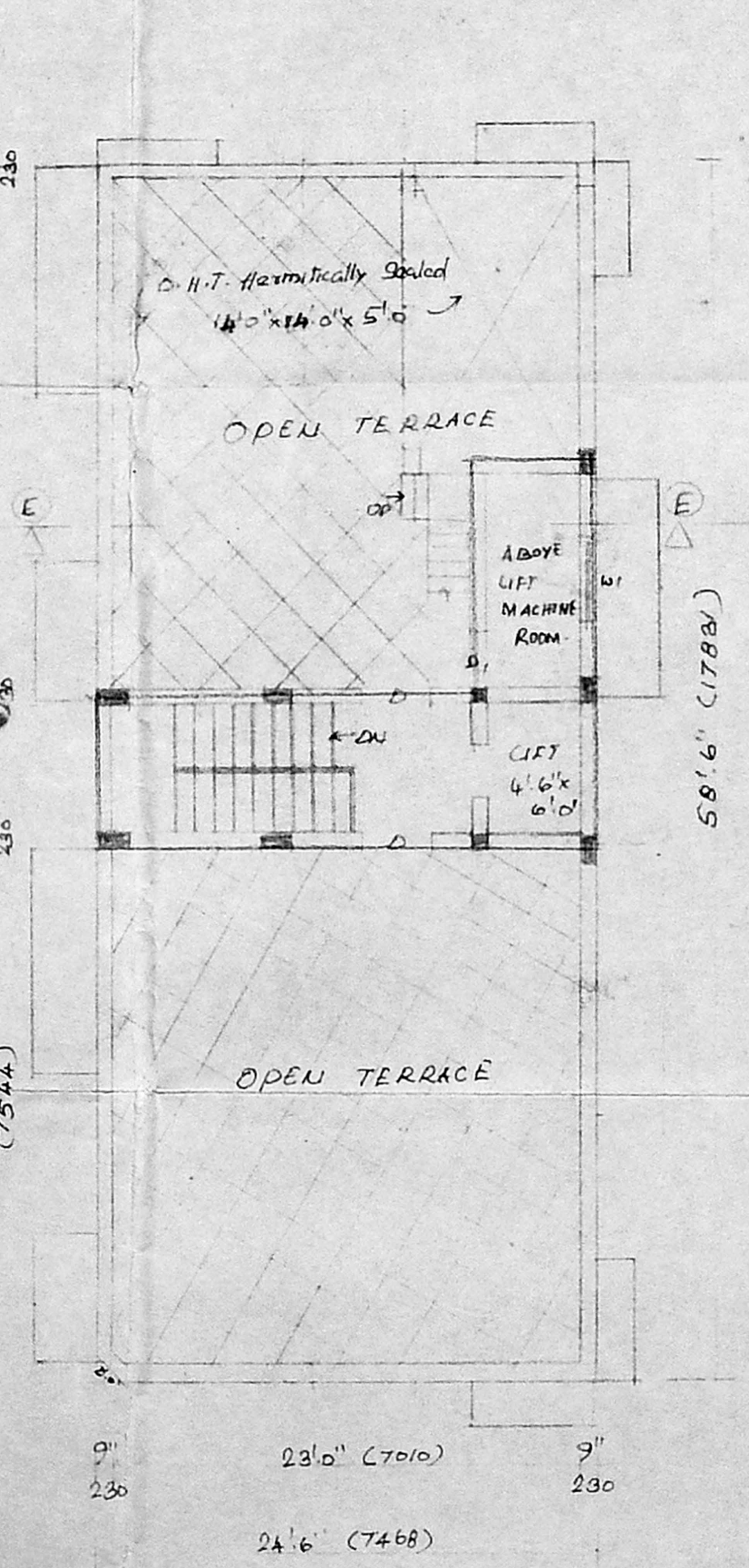
DETAILS OF WELL



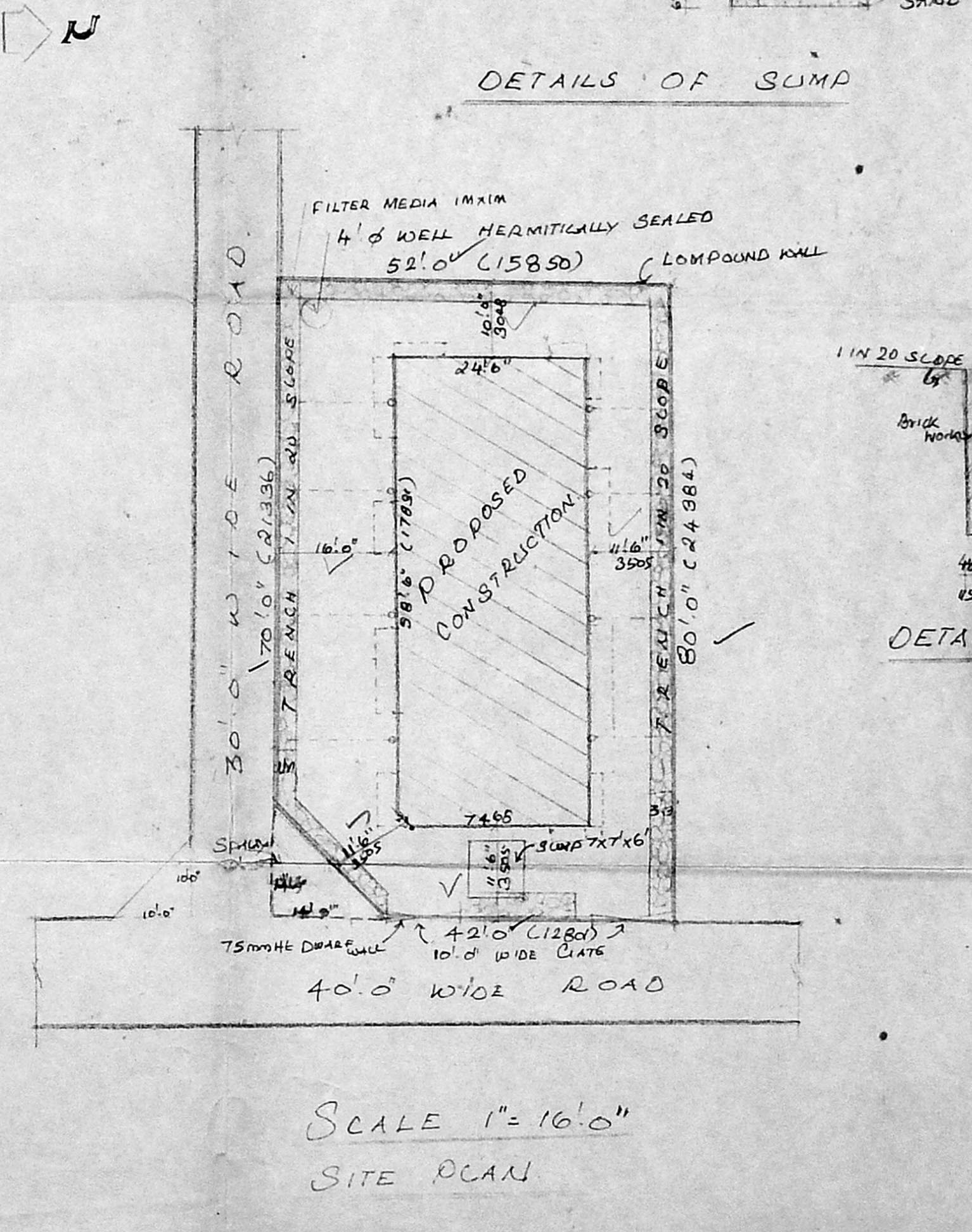
GROUND FLOOR PLAN



TYPICAL FLOOR PLAN (1/2)



TERRACE FLOOR PLAN



SCALE 1" = 16'0"  
 SITE PLAN

PROPOSED BUILDING AT PLOT NO: 1257  
 SURVEY NO: 173 DT, ARINNAM  
 ANNA NAGAR WESTERN  
 EXTENSION SCHEME  
 DR. S. 11. 5  
 MOGADPAIR VILLAGE,  
 SAIDAPET TALUK.

MMDA B/V/P NO. 1  
 C.No. B. 21513/95  
 PART I  
 For: Mr. B. RAGHAYENDRA REDDY  
 PART II  
**SPECIFICATION**  
 FOUNDATION: FOUNDATIONS WITH R.C.C. 1:2:4 WITH SAND  
 FLOORING: FLOOR FINISH OVER R.C.C. 1:4:8 WITH SAND  
 SUPERSTRUCTURE: BK WORK IN C.M.S.  
 ROOFING: R.C.C. ROOF SLAB 1:2:4 MIX.  
 W. COURSE: 2 LAYERS OF PRESSED TILES OVER BK JALLY WITH L.M.  
 JOINERY: WITH BEST INDIAN TEAK WOOD.

- JOINERY**
- M.D. MAIN DOOR: 3'6" x 7'0"
  - D. DOOR: 3'0" x 7'0"
  - D. DOOR: 2'6" x 7'0"
  - F.D. FRENCH DOOR: 6'0" x 7'0"
  - W. WINDOW: 6'0" x 4'6"
  - W. WINDOW: 4'0" x 4'6"
  - K.W. WINDOW: 4'0" x 3'6"
  - V. VENTILATOR: 3'0" x 2'0"
  - B.W. BOX WINDOW: 4'0" x 6'0"

**AREA DETAILS**

PLOT EXTENT	32076	320 M
GROUND FLOOR	4851	376.50
FIRST FLOOR	1594	143.14
SECOND FLOOR	1594	143.14
THIRD FLOOR	1594	143.14
COVERED AREA	1140	103.30
TOTAL	6729	566.08

ROOF COVERAGE 39% F.S.R. 1.47

**COLOUR INDEX**

PROPOSED ROAD BOUNDARY SCALE 1" = 8'0" OWNER: (P.A. HOLDER)

Blagovand Reddy  
 K. SUBRAMANIAM  
 R.A. NO. 296  
 CORPORATION OF MADRAS  
 CLASS 2 SURVEYOR  
 LICENSED SURVEYOR

PROPOSED BUILDING AT PLOT NO 1257  
 SURVEY NO 173 Pt ANNA NAGAR  
 WESTERN EXTN SCHEME MOGAPPAIR  
 VILLAGE SAIDAPET TALUK

MMDA (B) S.B.C. No. /  
 FOR FILE NO. ... RAGAVENDRA, REDDY  
 Scrutny: 2/21519/96

B/20623/58 B/B/96  
 Planning Permit No.  
**APPROVED**  
 SUBJECT TO THE CONDITIONS IN  
 THIS OFFICE LETTER.  
 No. B/21519/96 D.R. C. E. S. MADRAS  
 FOR MEMBER SECRETARY  
 MADRAS METROPOLITAN  
 DEVELOPMENT AUTHORITY  
 MADRAS - 600 069.

NOTE	Part I	LENGTH	BREATH	DEPTH
	Part I			
	SEPTIC TANK	3.74 M	3.05 M	2.43 M
	UP FLOW FILTER I	0.91 M	3.05 M	2.43 M
	UP FLOW FILTER A.P.	0.91 M	3.05 M	2.43 M
	EFFLUENT SUMP	0.91 M	3.05 M	2.43 M

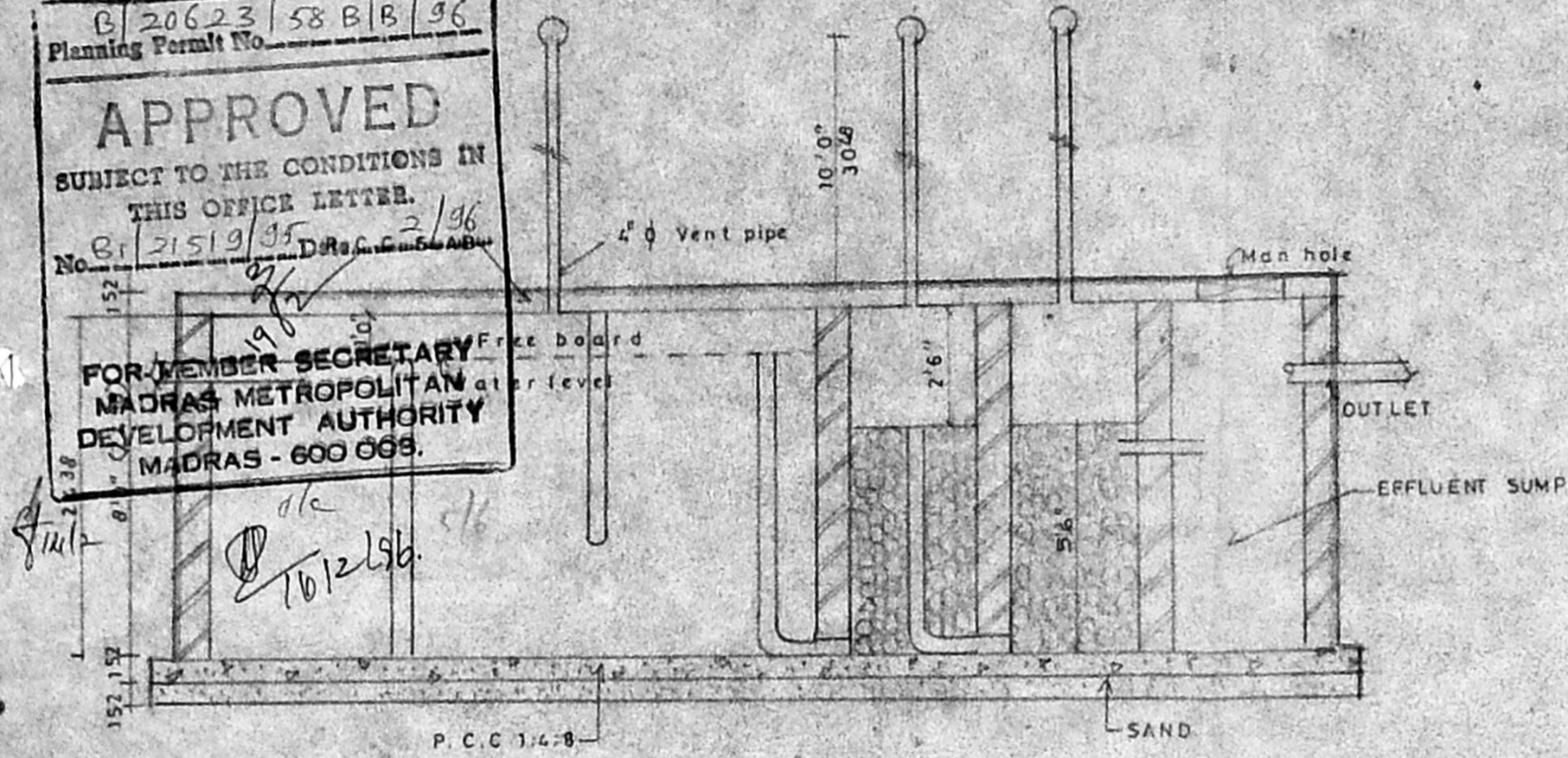
DESIGN OF SEPTICTANK  
 TO UP FLOW FILTERS

NO OF DWELLINGS \_\_\_\_\_ 11 NOS  
 NO OF USERS \_\_\_\_\_ 11 X 5 = 55  
 RATE OF WATER SUPPLY IS \_\_\_\_\_ 135 LPH/ DAY  
 THEN FLOW OF SEWAGE PER DAY \_\_\_\_\_ 55 X 135 = 7425 Liters  
 DETENTION PERIOD IS \_\_\_\_\_ 18 Hrs  
 TANK CAPACITY \_\_\_\_\_ 7425 X 18 / 24 = 5568.75 Liters  
 THE TANK IS TO BE CLEANED EVERY YEAR 30  
 SLUDGE STORAGE CAPACITY AT THE RATE OF 15 LITERS FOR PERSON PER YEAR  
 55 X 13.5 = 742.5 LITERS  
 5568.75 + 742.5 = 6311.25 LITERS

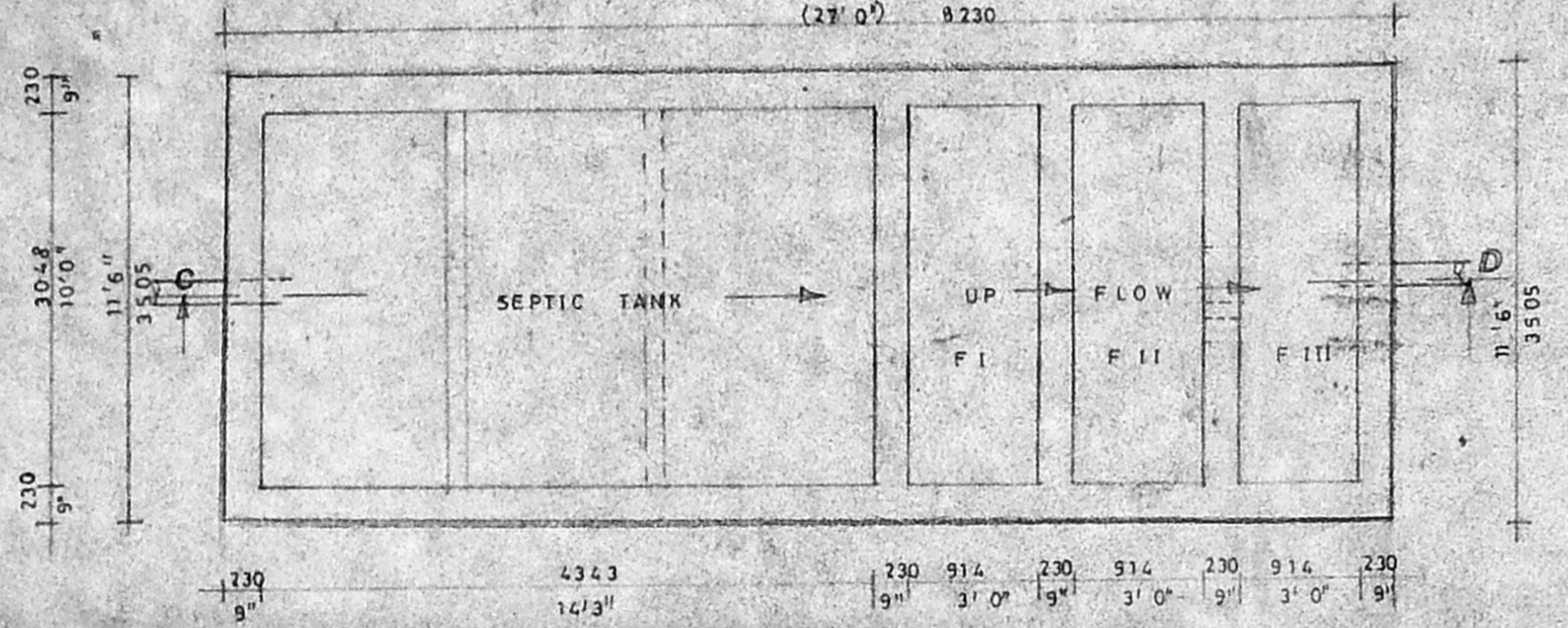
WITH PROVISION FOR FUTURE EXPANSION LET THE  
 TANK CAPACITY BE 7000 LITERS (OR) 7 M<sup>3</sup>  
 SEPTIC TANK HAVING A CAPACITY OF = 7 M<sup>3</sup>  
 DEPTH OF LIQUID AS \_\_\_\_\_ 1.60 M  
 PLAN AREA OF THE TANK  $7 / 1.60 = 4.375 M^2$   
 THE RATIO OF LENGTH TO WIDTH OF TANK BE \_\_\_\_\_ 3  
 LENGTH X BREADTH X 3 \_\_\_\_\_ 4.375 M<sup>2</sup>  
 BREADTH OF TANK  $\sqrt{4.375} = 2.09 M$   
 SAY 2.10 M  
 LENGTH OF TANK \_\_\_\_\_ 2.10 X 3 = 6.30 M  
 FREE BOARD OF THE TANK \_\_\_\_\_ 0.40 M  
 TOTAL DEPTH OF THE TANK \_\_\_\_\_ 1.60 + 0.40 = 2.0 M

PROVIDE SEPTIC TANK SIZE \_\_\_\_\_ 6.30 X 2.10 X 2.0  
 (OR) 4.33 X 3.05 X 2.40

UP FLOW FILTERS  
 DISCHARGE FOR 55 PERSONS \_\_\_\_\_ 55 X 150 LITERS = 8250 LITERS  
 VOLUME \_\_\_\_\_ 55 X 0.45 = 24.75 M<sup>3</sup>  
 DEPTH \_\_\_\_\_ 1.10 - 0.30 = 0.8 M  
 PLAN AREA REQUIRED \_\_\_\_\_ 24.75 / 0.80 = 30.93  
 SIZE OF FINAL EFFLUENT SUMP: 3 M X 0.91 M X 0.80 M  
 UP FLOW FILTER NO 1 \_\_\_\_\_ 3 M X 0.91 M X 0.80 M  
 UP FLOW FILTER NO II \_\_\_\_\_ 3 M X 0.91 M X 0.80 M



SECTION ON 'CD'



PLAN  
 DETAILS OF SEPTIC TANK

<p><i>B. Jagannatha Reddy</i>          OWNER</p>	<p><i>K. Subramaniam</i>          K. SUBRAMANIAM          R. A NO 296          CORPORATION OF MADRAS          LICENSED SURVEYOR</p>	<p>Architects          SRINIVASA ENTERPRISES          no 74 Bazullah road          T. NAGAR          MADRAS - 17          ph - 8254962</p>
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SCALE 1" = 4' 0"  
 DATE 3-2-96