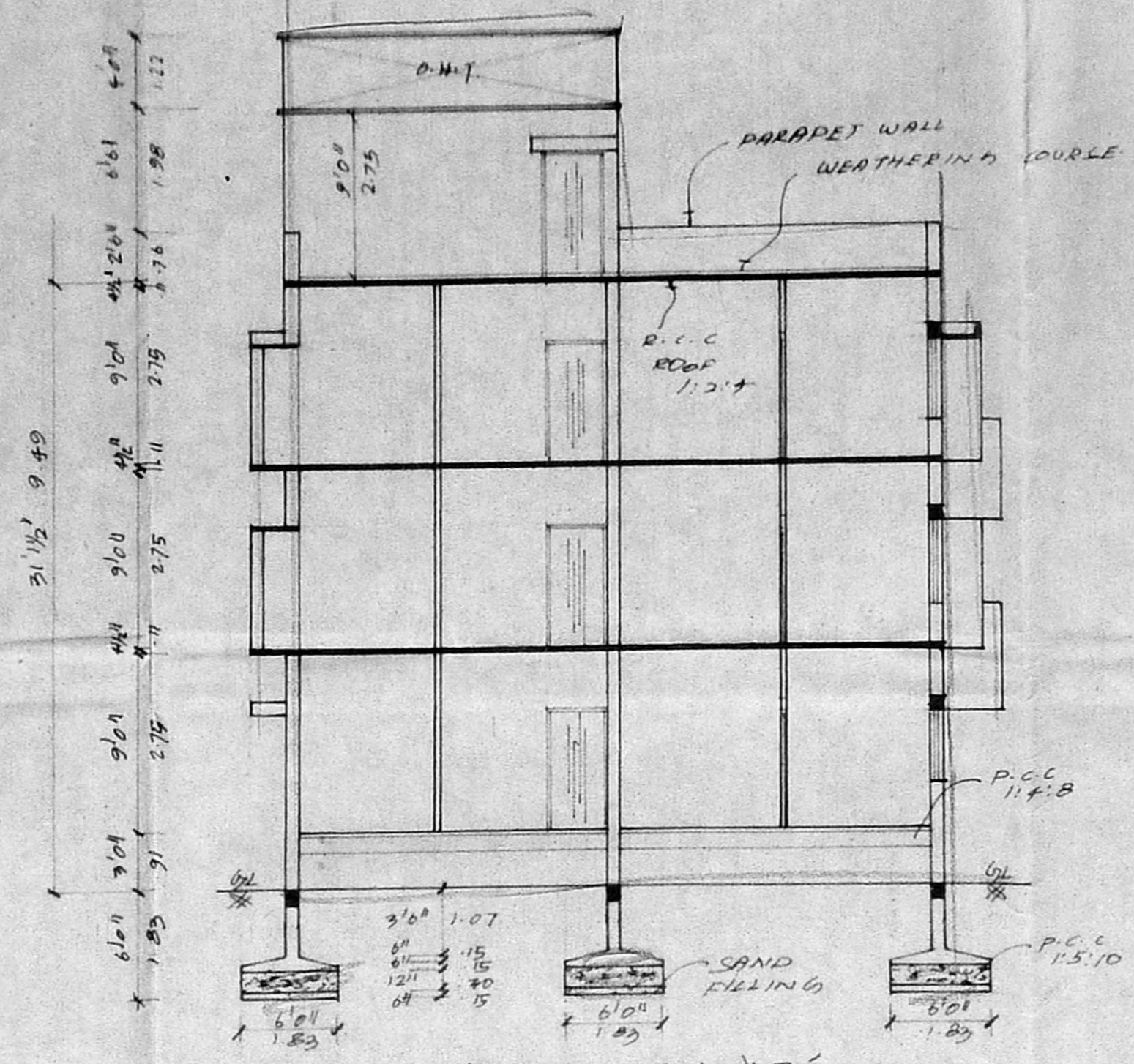
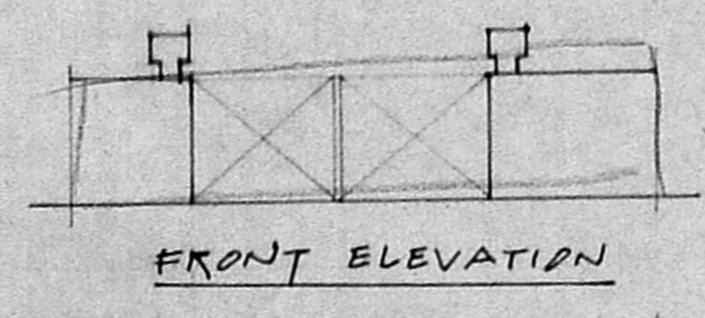


FRONT ELEVATION

B/SPL.642/27(5)/2001  
 Planning Permit No. 1.2681  
**APPROVED**  
 SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.  
 No. B2/32804/2001 Date: 1.2681  
 FOR MEMBER SECRETARY  
 CHENNAI METROPOLITAN  
 DEVELOPMENT AUTHORITY  
 CHENNAI-600 008.



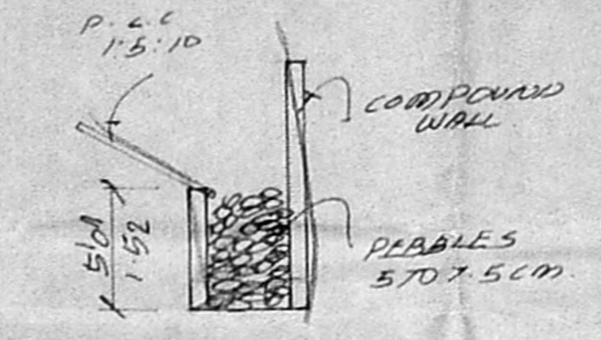
SECTION ON AB



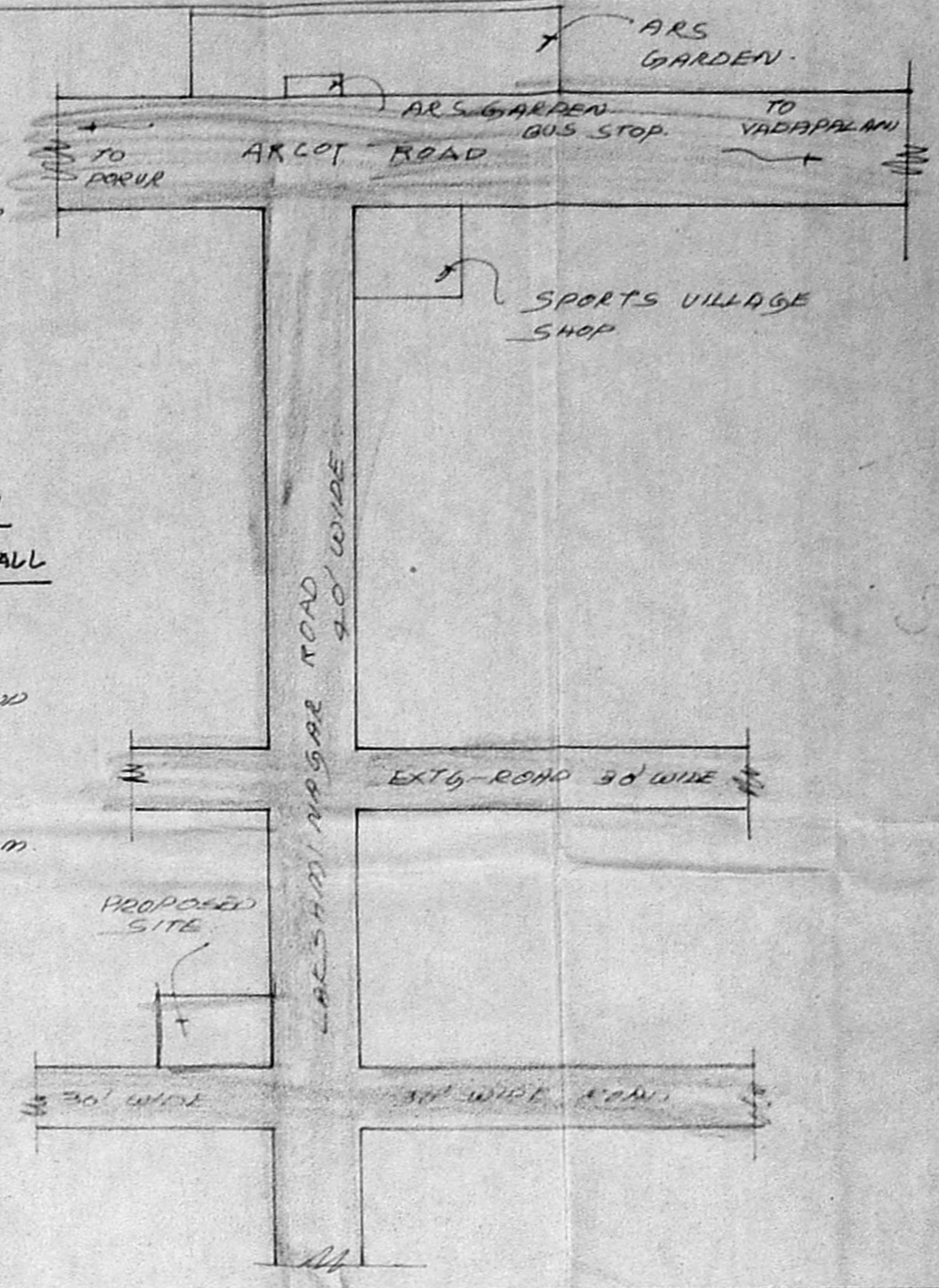
FRONT ELEVATION

PLAN ON COMPOUND WALL

SECTION ON COMPOUND WALL



RAIN WATER PERCOLATION PIT



KEY PLAN

**SCHEDULE OF JOINERIES.**

D	DOOR	3'0" x 7'0"	10 x 213
D1	DOOR	2'0" x 7'0"	91 x 213
D2	DOOR	2'6" x 7'0"	76 x 213
W	WINDOW	5'0" x 4'0"	152 x 127
F.W	FRENCH WINDOW	4'6" x 7'0"	127 x 213
W1	WINDOW	4'0" x 4'0"	122 x 127
W2	WINDOW	3'0" x 4'0"	91 x 127
W3	WINDOW	2'0" x 4'0"	61 x 127
V	VENTILATOR	3'0" x 2'0"	71 x 61

**COLOUR INDEX:**

PROPOSAL	[Color swatch]
ROAD/STREET	[Color swatch]
BOUNDARY/SITE	[Color swatch]

**AREA STATEMENT:**  
 PLOT EXTENT: 5077.50 SFT 471.89 M<sup>2</sup>  
 GROUND FLOOR: 2335.63 SFT 217.06 M<sup>2</sup>  
 FIRST FLOOR: 2618.38 SFT 243.34 M<sup>2</sup>  
 SECOND FLOOR: 2618.38 SFT 243.34 M<sup>2</sup>  
 TOTAL BUILT UP AREA: 7572.39 SFT 703.75 M<sup>2</sup>  
 PLOT COVERAGE 32%  
 F.S.I 1.49

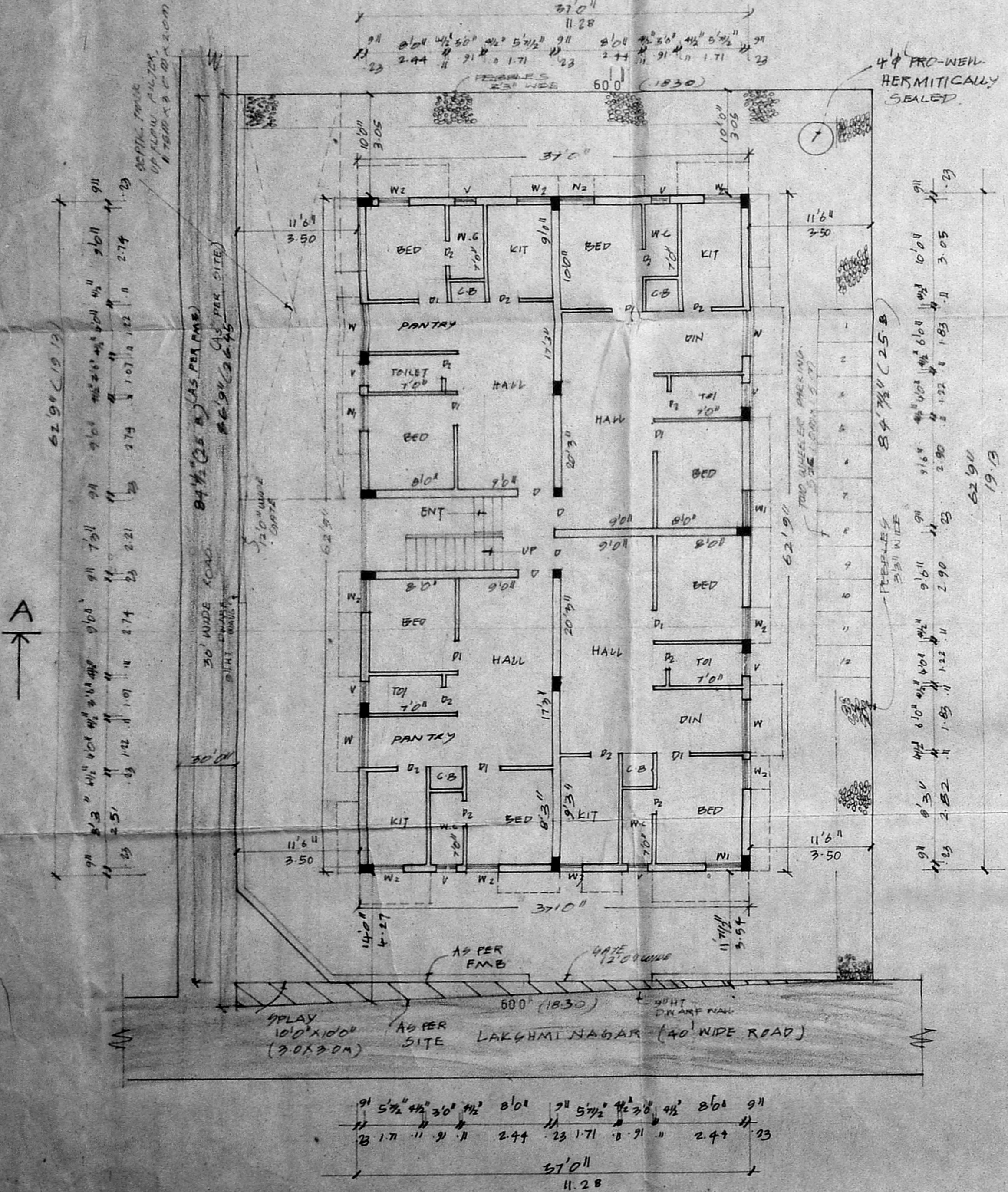
PLAN SHOWING THE PROPOSED CONSTRUCTION OF THE RESIDENTIAL BUILDING AT PLOT NO 60 AND 61, LAKSHMI NAGAR, PORUR VILLAGE, CHENNAI. S.N. 99/14 AND 99/15.

SCALE 1:100

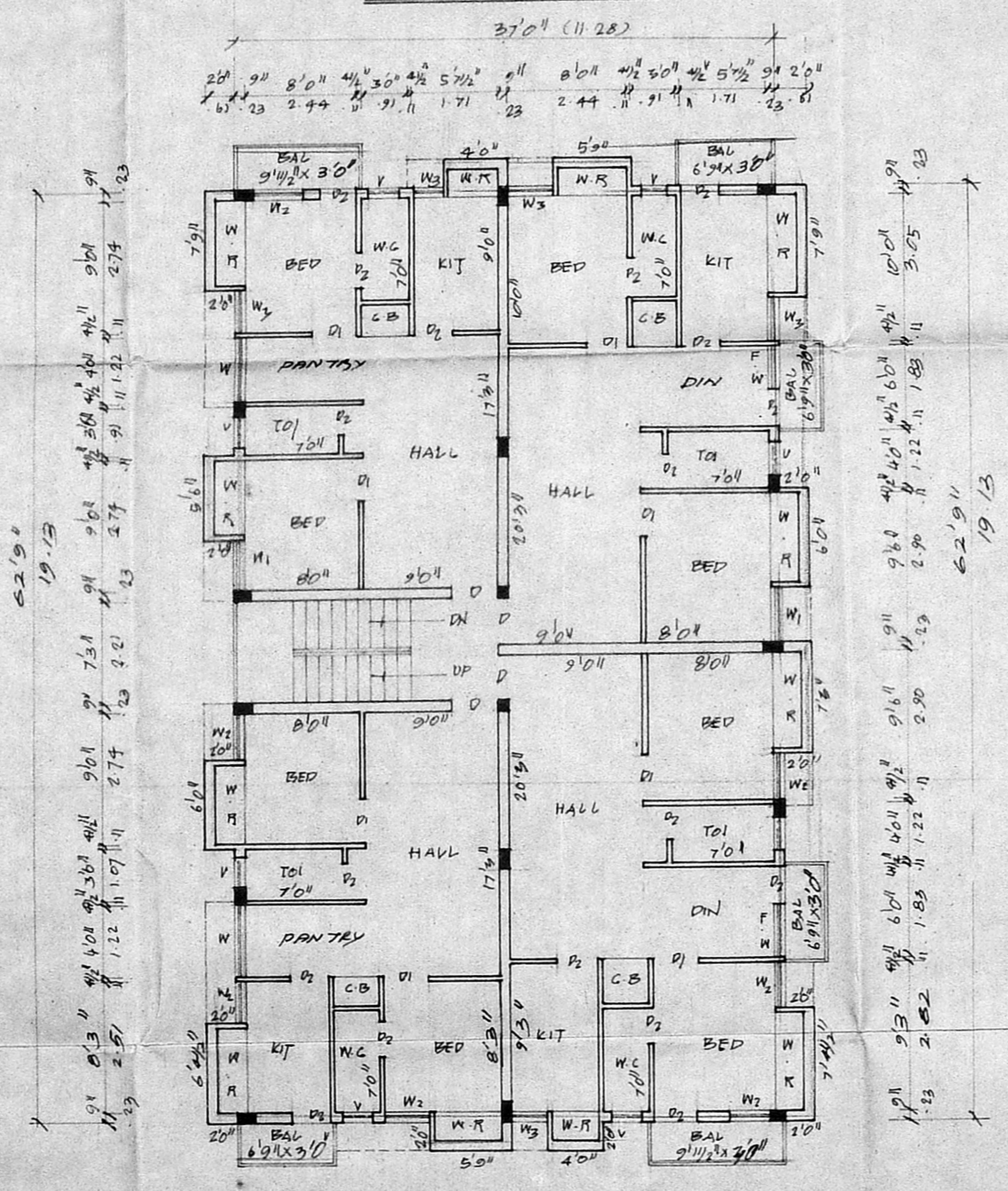
OWNER: *[Signature]*

LICENSED SURVEYOR:

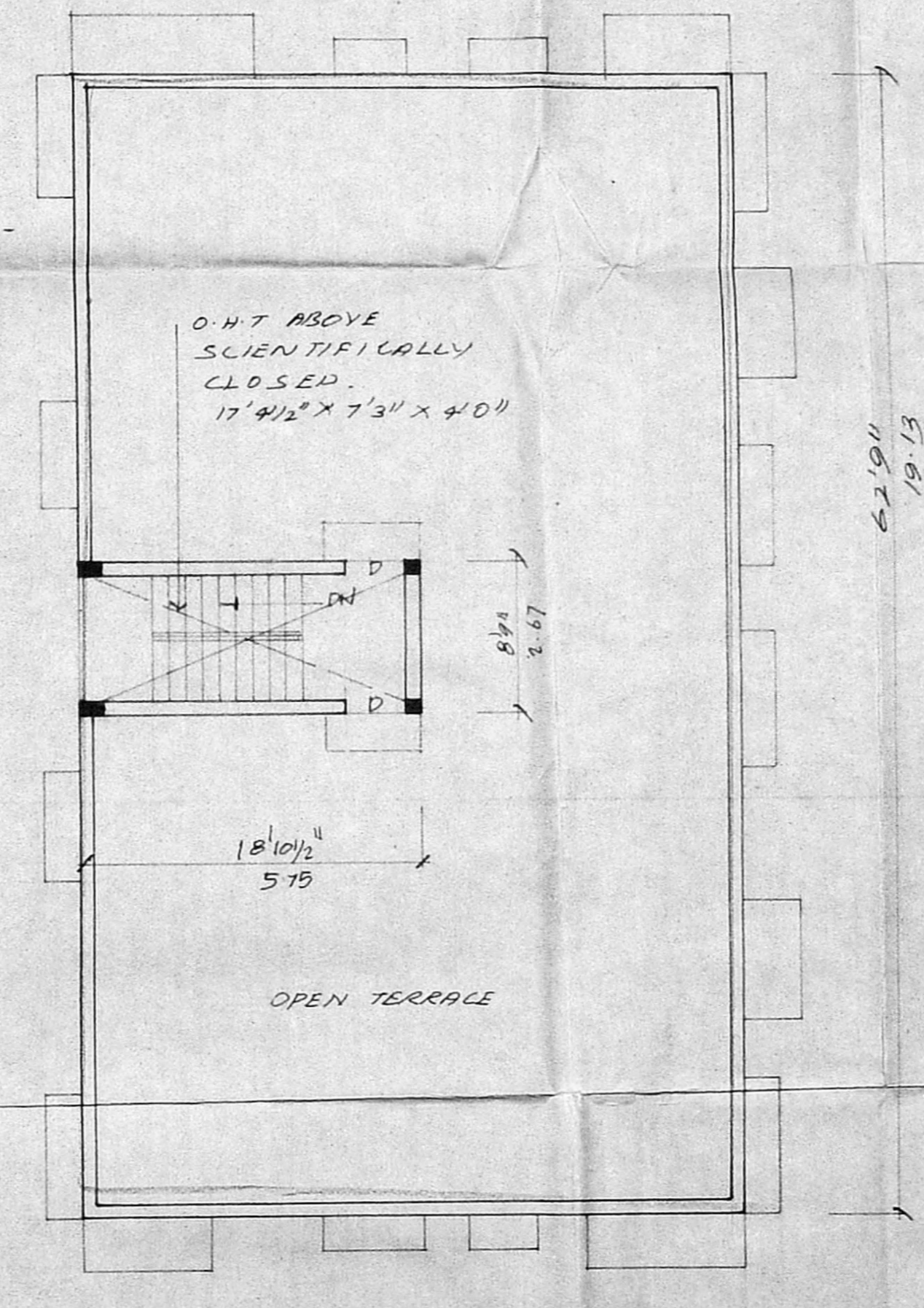
*[Signature]*  
**K. NARASIMHAN, B.E.**  
 CLASS - I  
 Licensed Surveyor No. 344  
 City of Madras  
 Consulting Engineer  
 83, P. U. em I St. ee  
 Madras-600 024



SITE CUM GROUND FLOOR PLAN



TYPICAL FLOOR PLAN OF FIRST AND SECOND



TERRACE FLOOR PLAN

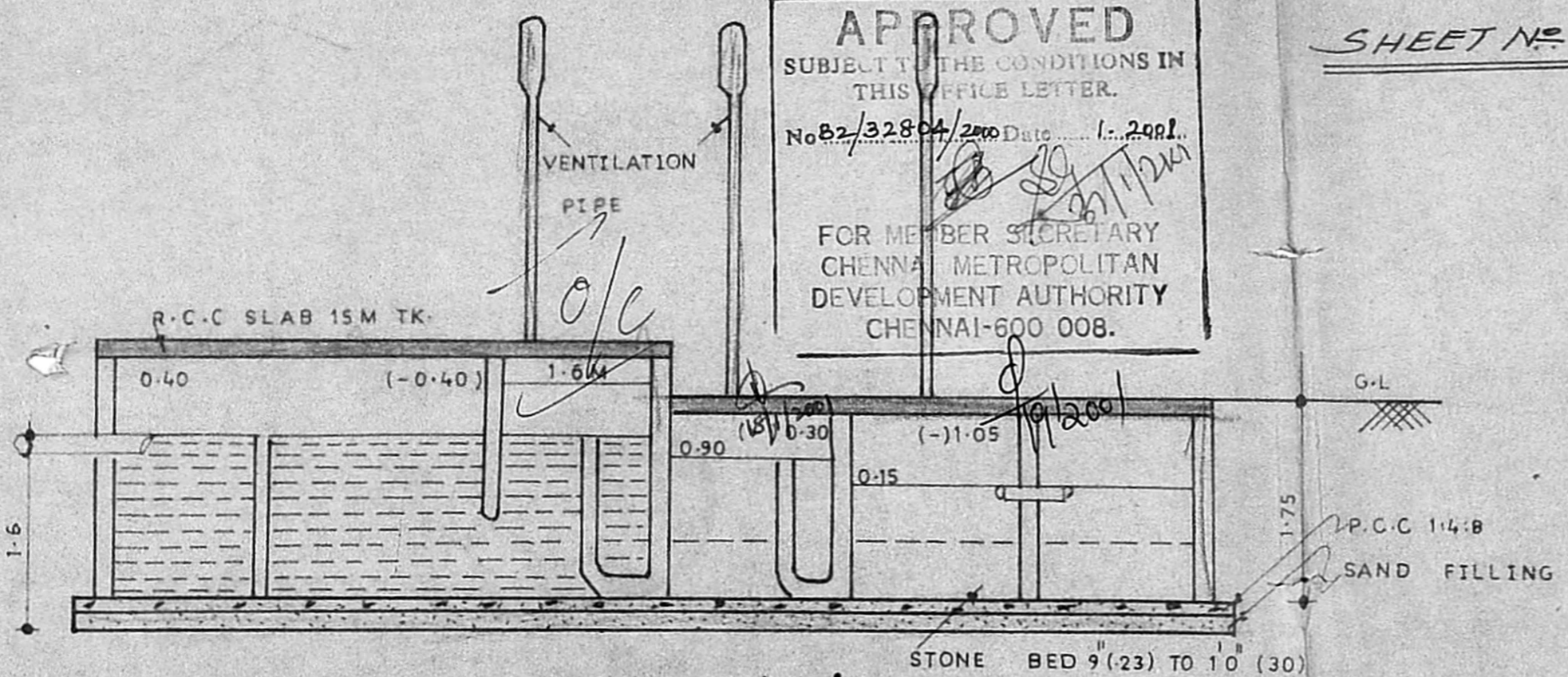


PLAN SHOWING THE PROPOSED CONSTRUCTION  
OF RESIDENTIAL BUILDING AT PLOT NO: 60 & 61  
LAKSHMI NAGAR, PORUR VILLAGE, CHENNAI.

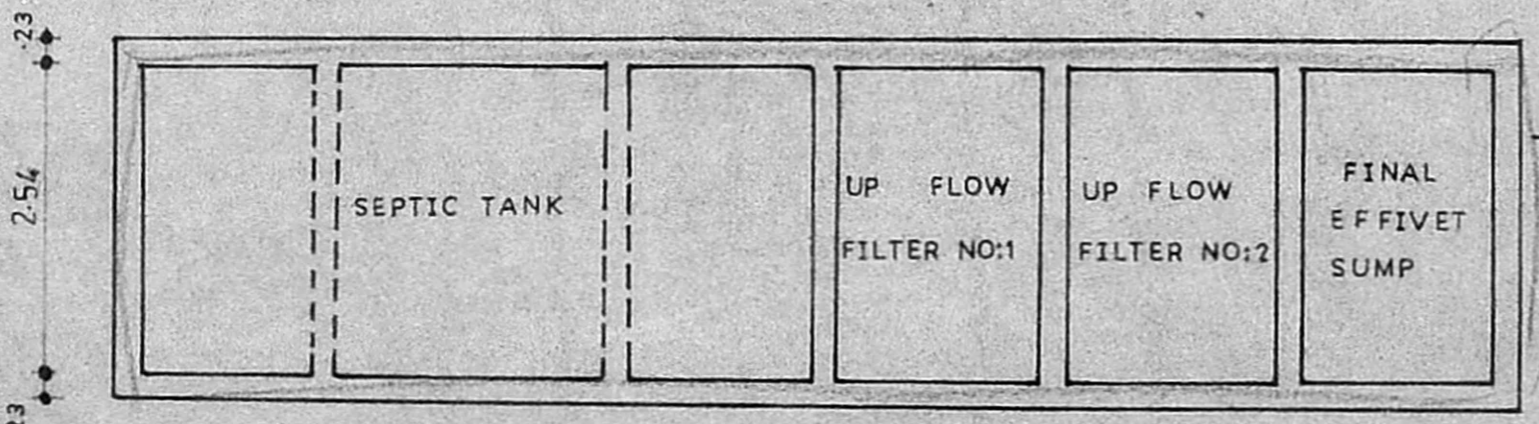
S.No 99/14 AND 99/15     SCALE 1:100

B/SPL.BLD/27(B/B)/2001  
 Planning Permit No. ....  
**APPROVED**  
 SUBJECT TO THE CONDITIONS IN  
 THIS OFFICE LETTER.  
 No 82/32804/2001 Date: 11/2001  
 FOR MEMBER SECRETARY  
 CHENNAI METROPOLITAN  
 DEVELOPMENT AUTHORITY  
 CHENNAI-600 008.

SHEET NO. 2.



section on 'yy'



details of septic tank     ALL DIMENSIONS ARE IN METRE  
 (UPFLOW FILTERS)

DESIGN OF SEPTICTANK TWO UP FLOW FILTERS

NO OF DWELLING	12 NO
NO OF USERS	12 X 5 = 60
RATE OF WATER SUPPLY	150 L/PH
FLOW OF SEWERAGE PER DAY	60 X 150 = 9000 LTR
DETENTION PERIOD IS	18 HOURS
TANK CAPACITY	9000 X 18 / 24 = 7875 LTR
THE TANK IS TO BE CLEANED EVERY 50	
SLUDGE STORAGE CAPACITY IS	
THE RATE OF 15 LTR FOR PERSON	60 X 150 = 10500 LTR
PER YEAR	9000 + 900 = 9900 (OR) 10000 LTR
WITH PROVISION FOR FUTURE EXPANSION	

LET THE TOTAL TANK CAPACITY	20000 LTR OR 20 M <sup>3</sup>
SEPTICTANK HAVING THE CAPACITY	20 M <sup>3</sup>
DEPTH OF LIQUID AS	
PLAN AREA OF THE TANK	
THE RATIO OF LENGTH TO WIDTH OF	
TANK BE	
LENGTH X BREADTH X 3	
BREADTH OF TANK	2.5 M
LENGTH OF TANK	5.0 M
FREE BOARD OF THE TANK	0.4 M
TOTAL DEPTH OF THE TANK	1.6 + 0.4 = 2.0 M
PROVIDE TO SEPTICTANK EACH OF	5 X 3.0 X 2.0 M THE SIZE

**EMDA (B) / No. 1**  
 C.No. B2/32804/2001  
 Ass'de 20.0 M<sup>3</sup>  
 Scrutiny 20/11/2001  
 P.A. 20/11/2001 = 19 M<sup>2</sup>  
 A.P. 12.5 M / 2001

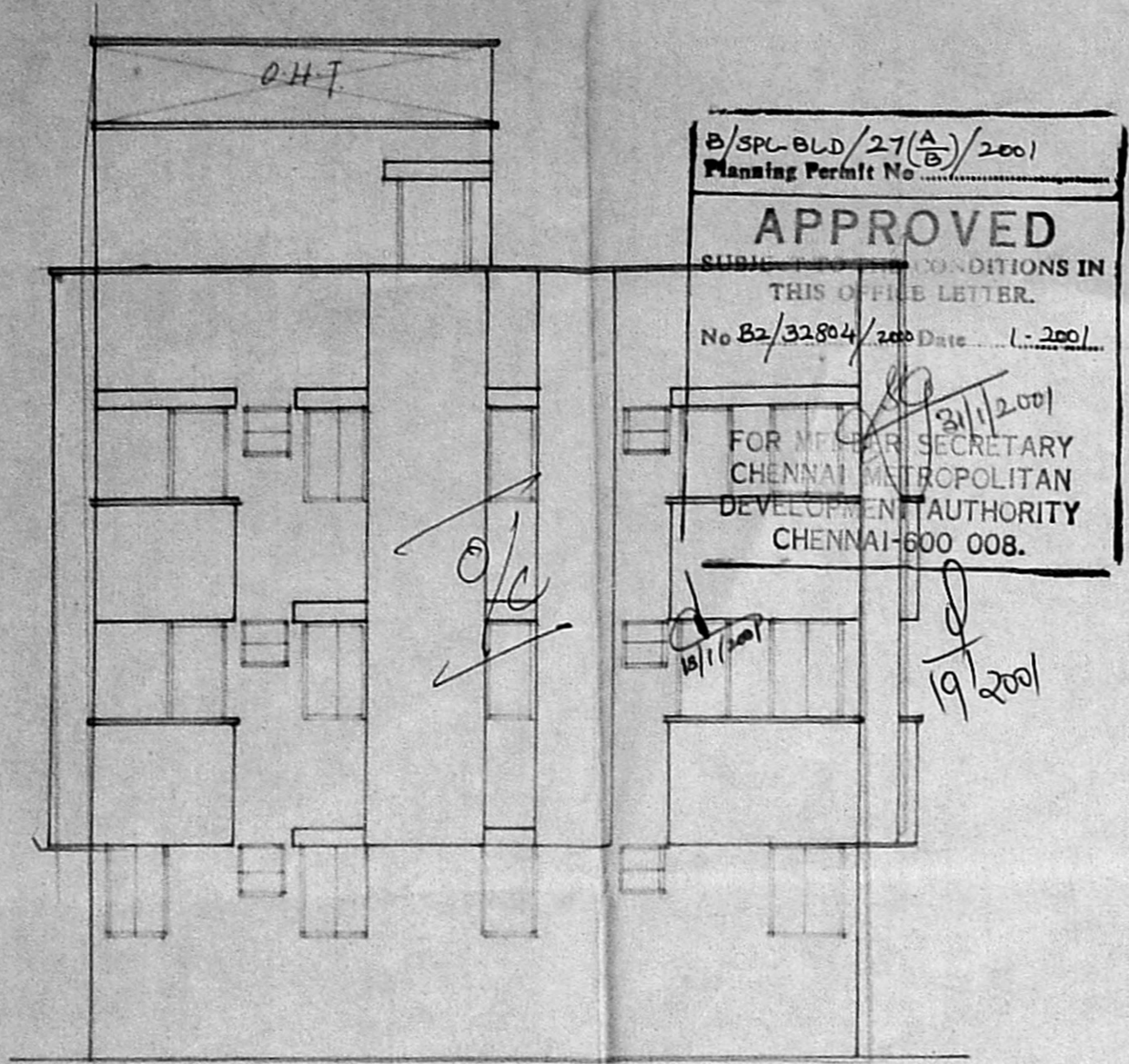
UP FLOW FILTERS

DISCHARGE FOR	500 PERSON - 75000 LTR
VOLUME	500 X 0.45 = 225 M <sup>3</sup>
DEPTH	1.0 - 0.2 = 0.80 M
PLAN AREA REQUIRED	225 / 0.80 = 28 M <sup>2</sup>
SIZE OF FINAL EFFLUENT SUMP	2.5 X 1.4 X 1.75 M
UP FLOW FILTER NO:1	1.4 X 0.70 X 0.80
UP FLOW FILTER NO:2	1.4 X 0.70 X 0.80

owner:

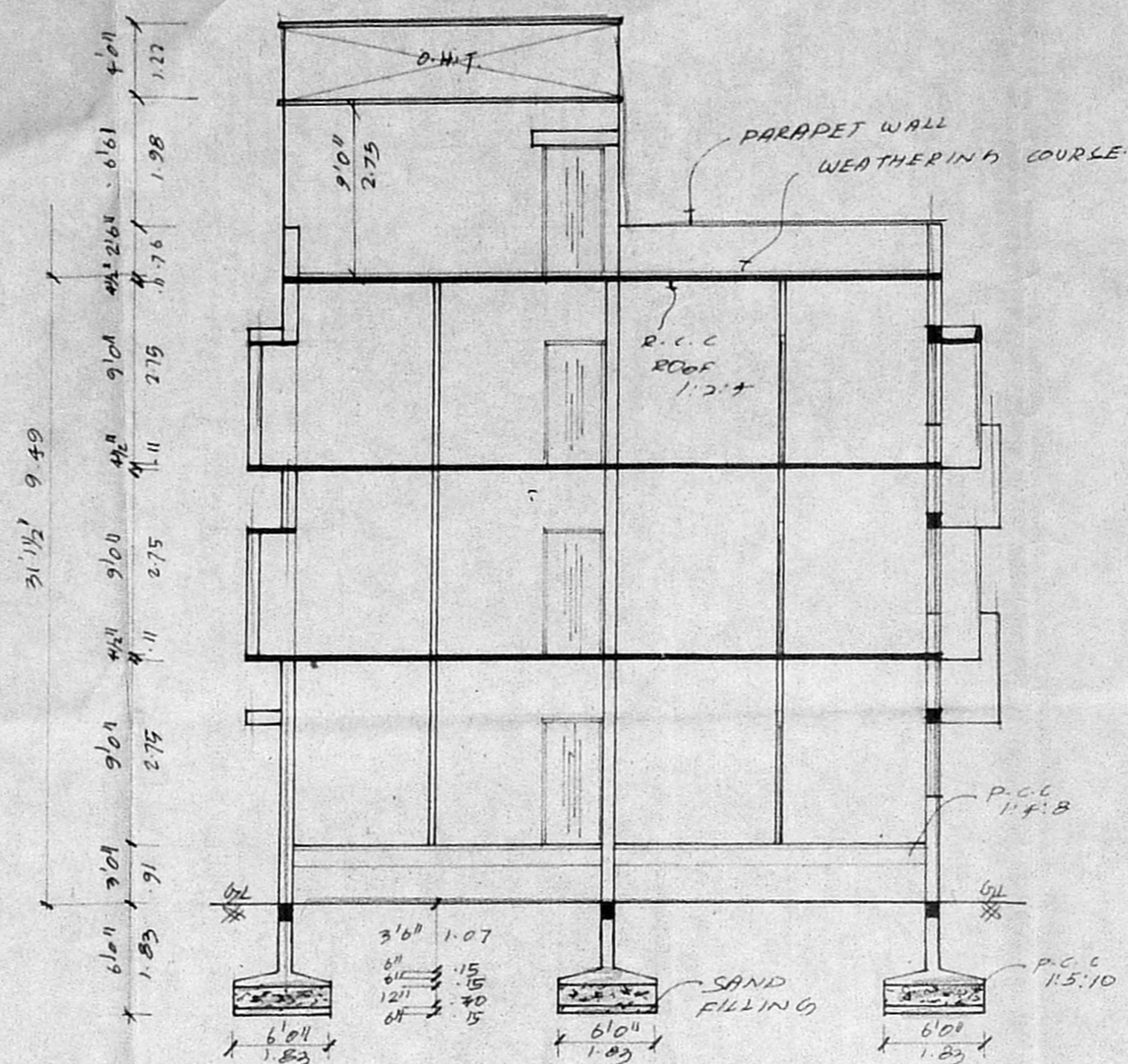
licensed surveyor:  
  
**K. NARASIMHAN** BE  
 CLASS - I  
 Licensed Surveyor No. 844  
 Government of Madras



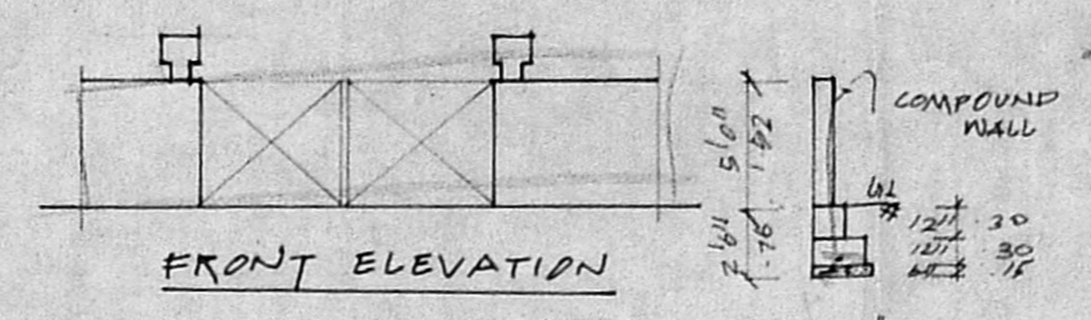


FRONT ELEVATION

B/SPL-BLD/27(A)/2001  
 Planning Permit No. 82/32804/2001  
**APPROVED**  
 SUBJ: CONSTRUCTION OF THIS OFFICE LETTER.  
 No 82/32804/2001 Date: 1.2.2001  
 FOR M. C. R. SECRETARY  
 CHENNAI METROPOLITAN  
 DEVELOPMENT AUTHORITY  
 CHENNAI-600 008.



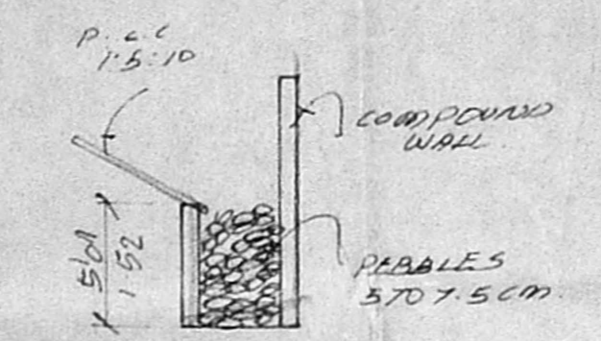
SECTION ON AB



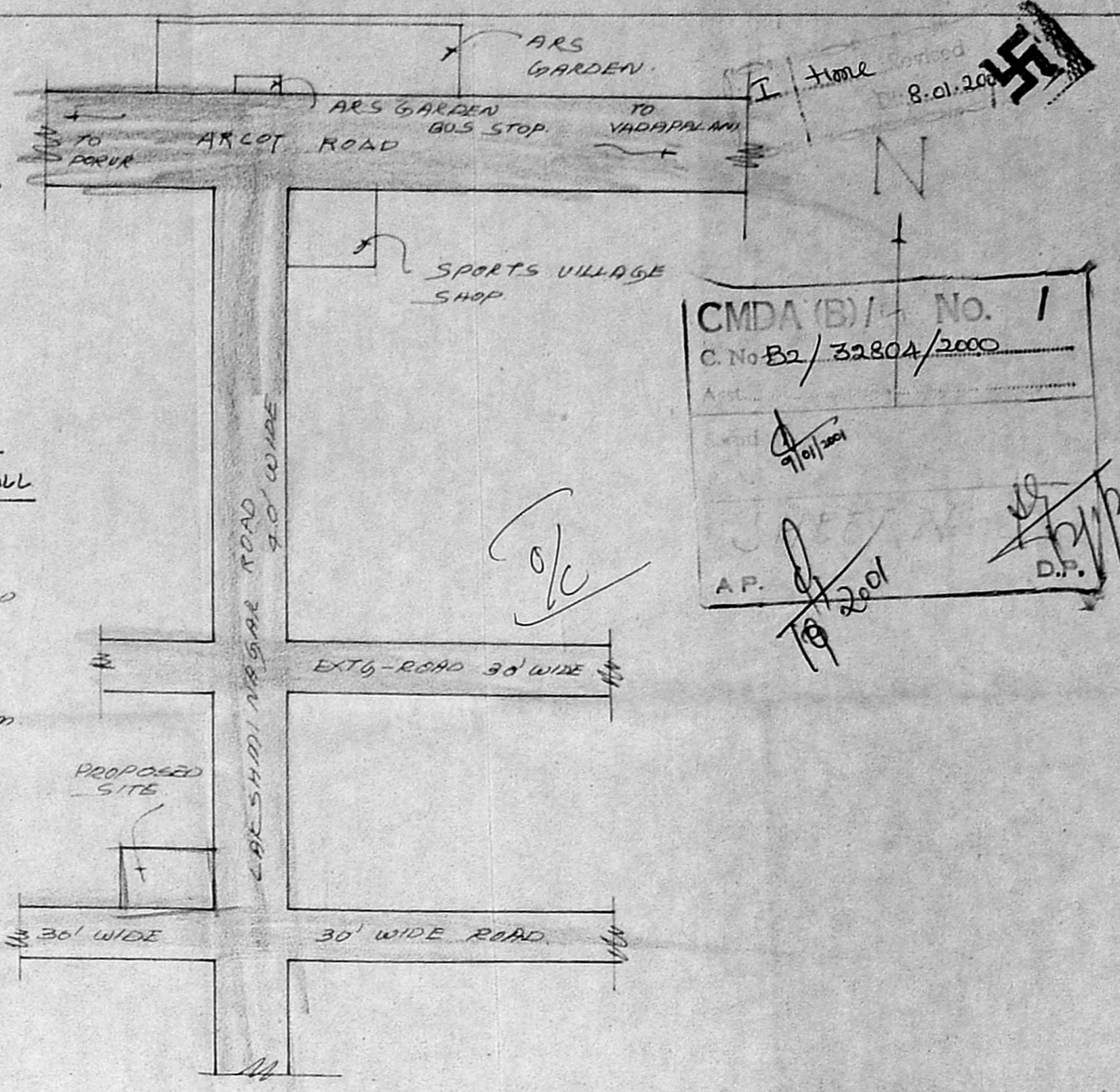
FRONT ELEVATION

PLAN ON COMPOUND WALL

SECTION ON COMPOUND WALL



RAIN WATER PERCOLATION PIT



KEY PLAN

SCHEDULE OF JOINERIES.

D	DOOR	3'0" x 7'0"	10 x 2'13
D1	DOOR	3'0" x 7'0"	9'1 x 2'3
D2	DOOR	2'6" x 7'0"	7'6 x 2'3
W	WINDOW	5'0" x 4'6"	1'52 x 1'37
F W	FRENCH WINDOW	4'0" x 4'6"	1'37 x 2'3
W1	WINDOW	4'0" x 4'6"	1'22 x 1'37
W2	WINDOW	3'0" x 4'6"	9'1 x 1'37
W3	WINDOW	2'0" x 4'6"	6'1 x 1'37
V	VENTILATOR	3' x 2'	9'1 x 6'1

COLOUR INDEX:

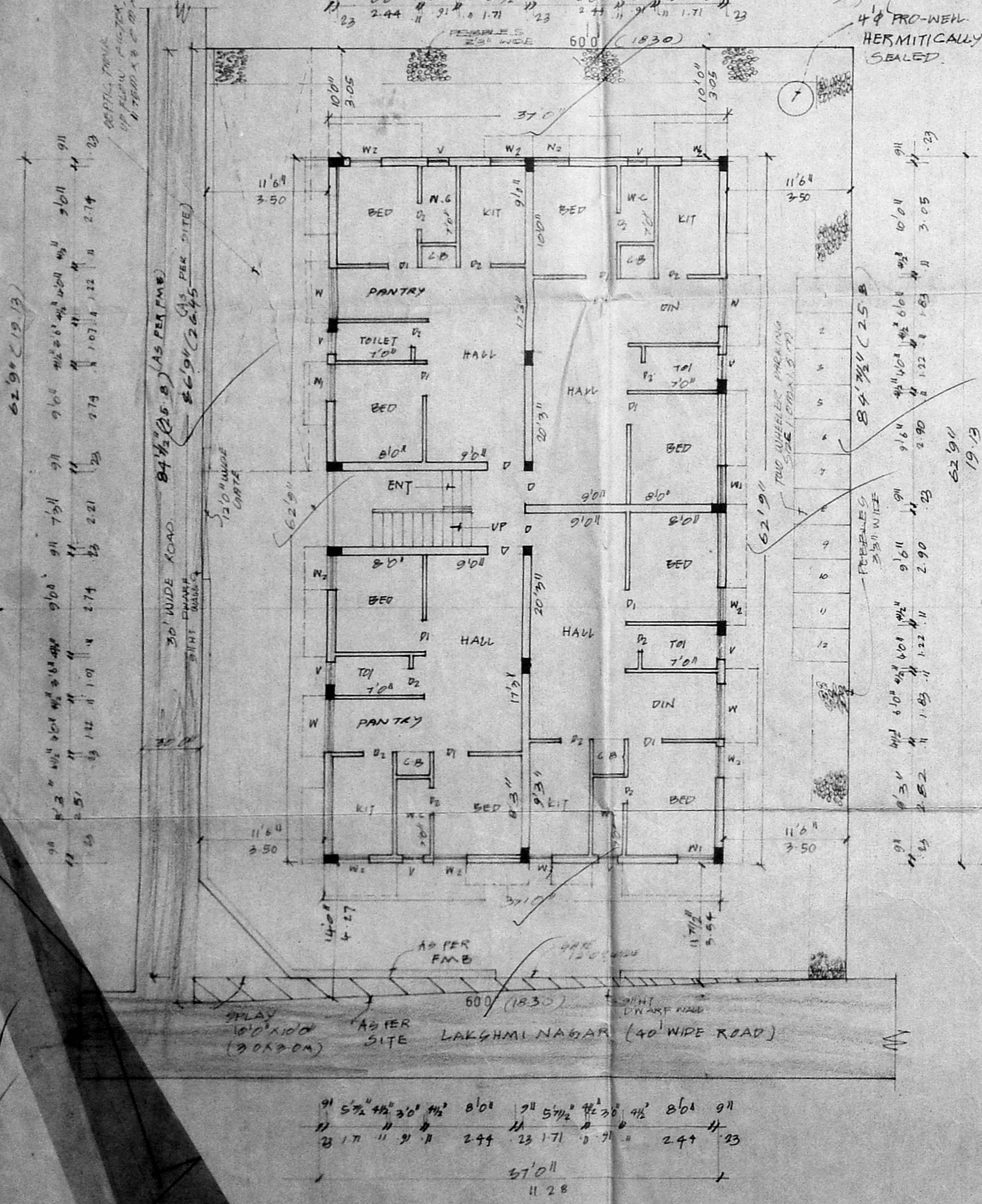
PROPOSAL	[Symbol]
ROAD/STREET	[Symbol]
BOUNDARY/SITE	[Symbol]

AREA STATEMENT:

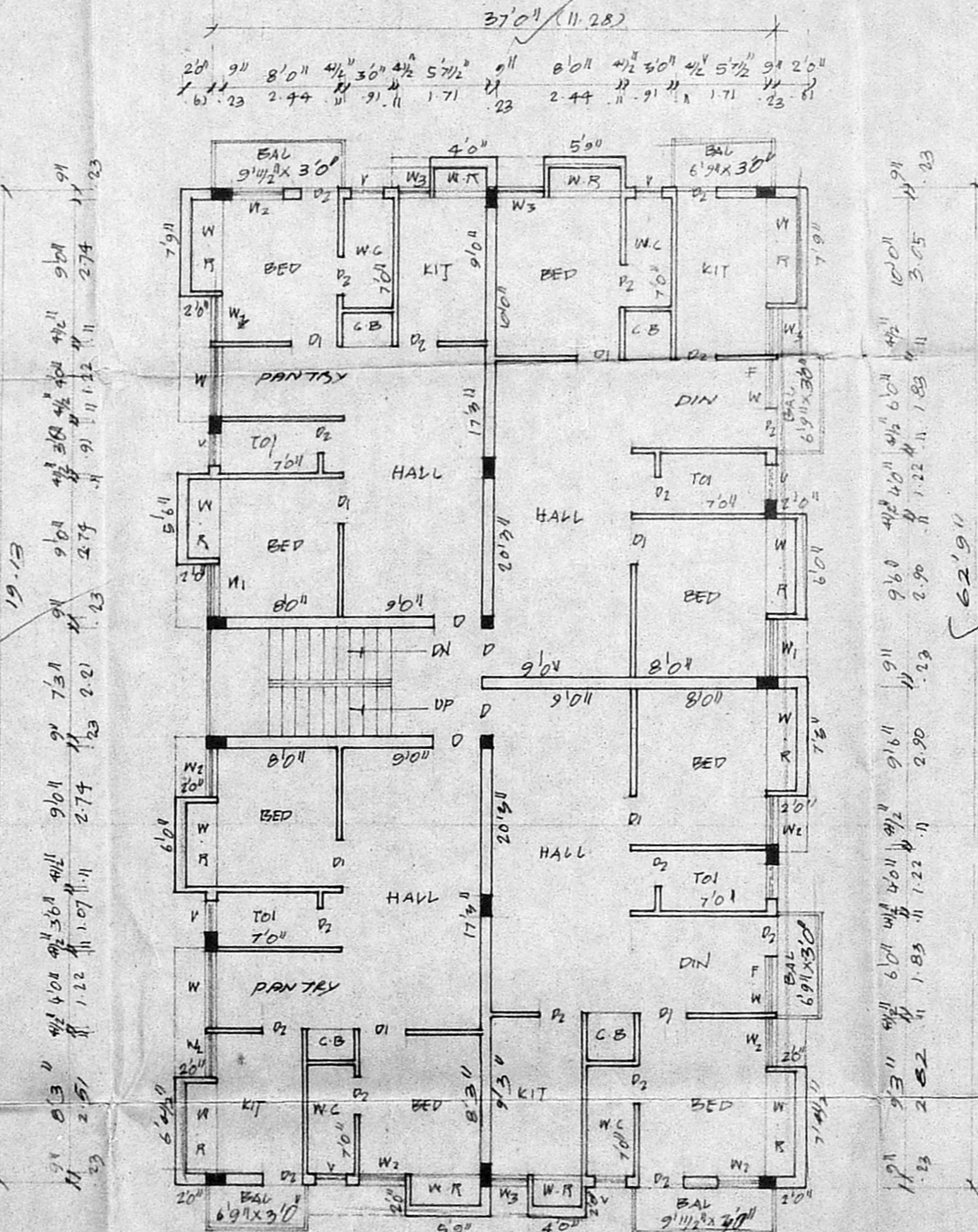
PLOT EXTENT:	5072.50 SFT 471.89 M <sup>2</sup>
GROUND FLOOR:	2335.63 SFT 217.06 M <sup>2</sup>
FIRST FLOOR:	2618.38 SFT 243.34 M <sup>2</sup>
SECOND FLOOR:	2618.38 SFT 243.34 M <sup>2</sup>
TOTAL BUILT UP AREA:	7572.39 SFT 703.75 M <sup>2</sup>
PLOT COVERAGE:	52%
F.S.I	1.49

PLAN SHOWING THE PROPOSED CONSTRUCTION OF THE RESIDENTIAL BUILDING AT PLOT NO 60 AND 61, LAKSHMI NAGAR, PORUR VILLAGE, CHENNAI. S.N: 99/14 AND 99/15. SCALE 1:100

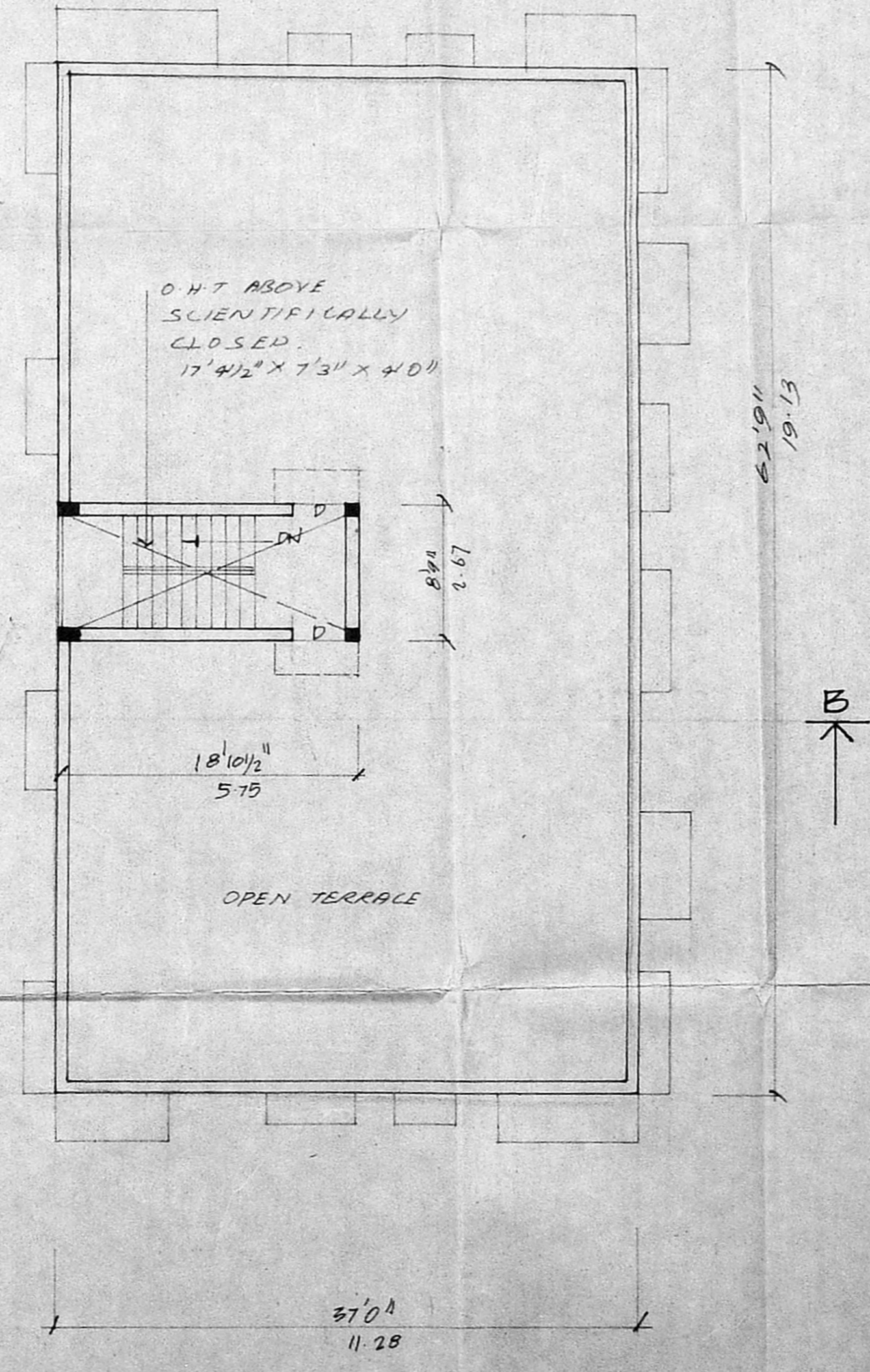
OWNER: *[Signature]*  
 LICENSED SURVEYOR:  
 K. VARASIMHAN, B.E.  
 CLASS-1  
 Licensed Surveyor No. 344  
 Corporation of Madras  
 Consulting Engineer  
 9, R. Puram I Street  
 Kodambakkam, Madras-600 024



SITE CUM GROUND FLOOR PLAN



TYPICAL FLOOR PLAN OF FIRST AND SECOND



TERRACE FLOOR PLAN

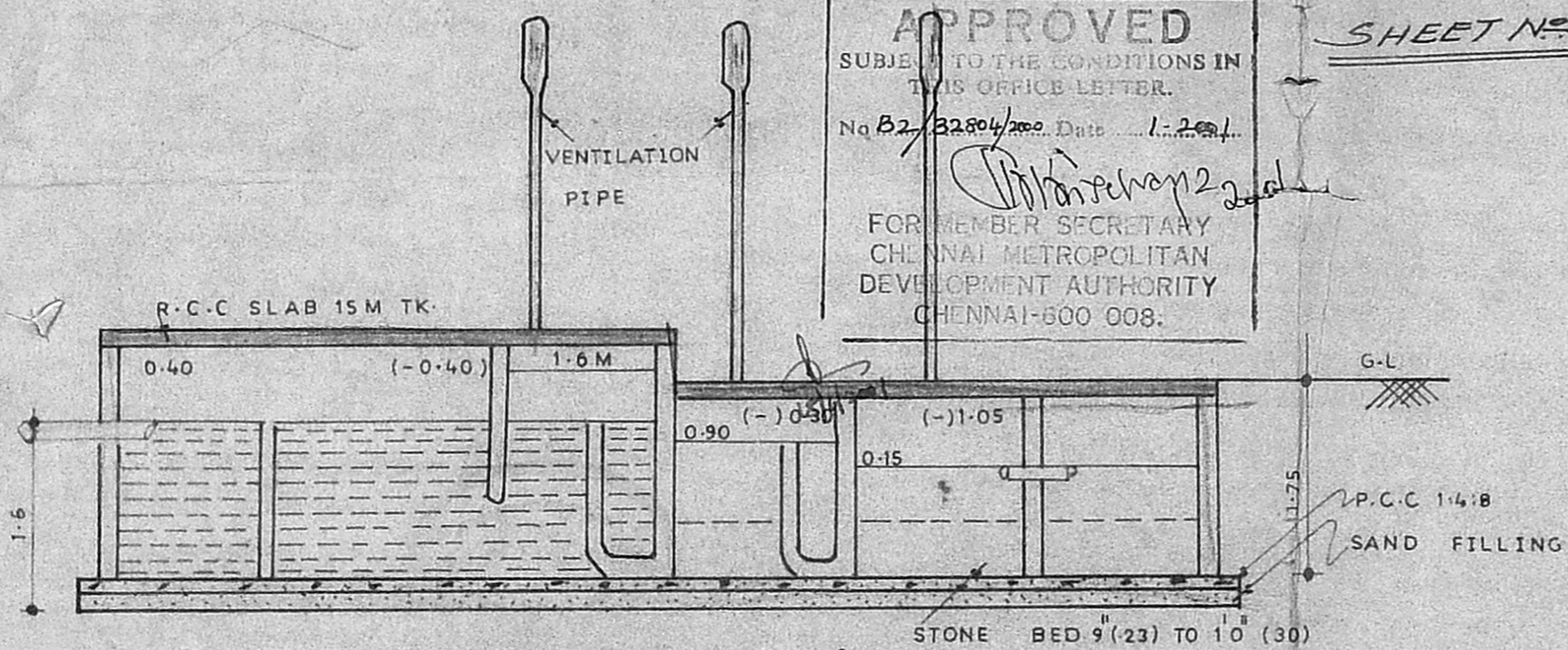


PLAN SHOWING THE PROPOSED CONSTRUCTION  
OF RESIDENTIAL BUILDING AT PLOT NO: 60 & 61  
LAKSHMI NAGAR, PORUR VILLAGE, CHENNAI.

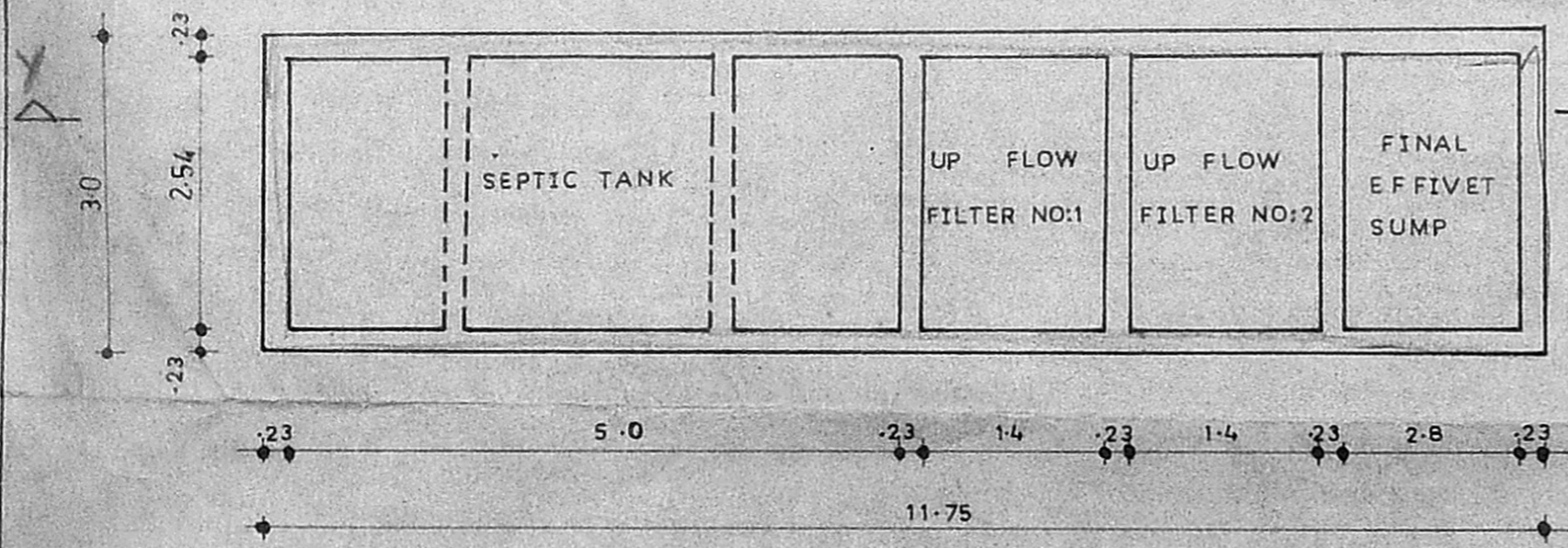
S.No 99/14 AND 99/15      SCALE 1/100

B/BPL-BLD/27(B)/2001  
 Planning Permit No .....  
**APPROVED**  
 SUBJECT TO THE CONDITIONS IN  
 THIS OFFICE LETTER.  
 No B2/32804/2000 Date 1.2.2001  
 FOR MEMBER SECRETARY  
 CHENNAI METROPOLITAN  
 DEVELOPMENT AUTHORITY  
 CHENNAI-600 008.

SHEET No 2.



section on 'yy'



details of septic tank      ALL DIMENSIONS ARE IN METRE  
 (UPFLOW FILTERS)

DESIGN OF SEPTICTANK TWO UP FLOW FILTERS

NO OF DWELLING	12 NOS
NO OF USERS	12 X 5 = 60
RATE OF WATER SUPPLY	150 L/PH
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DETENTION PERIOD IS	18 HOURS
TANK CAPACITY	9000 X 18 / 24 = 7875 LTR
THE TANK IS TO BE CLEANED EVERY 50	
SLUDGE STORAGE CAPACITY IS	
THE RATE OF 15 LTR FOR PERSON	60 X 150 = 10500 LTR
PER YEAR	9000 + 900 = 9900 LTR OR 10000 LTR
WITH PROVISION FOR FUTURE EXPANSION	
LET THE TOTAL TANK CAPACITY BE	20000 LTR OR 20 M <sup>3</sup>
SEPTICTANK HAVING THE CAPACITY OF	20 M <sup>3</sup>
DEPTH OF LIQUID AS	1.6 M
PLAN AREA OF THE TANK	20 / 1.6 = 19 M <sup>2</sup>
THE RATIO OF LENGH TO WIDTH OF TANK BE	3
LENGTH X BREADTH X 3	12.5 M <sup>2</sup>
BREADTH OF TANK	2.5 M
LENGTH OF TANK	5.0 M
FREE BOARD OF THE TANK	0.4 M
TOTAL DEPTH OF THE TANK	1.6 + 0.4 = 2.0 M
PROVIDE TO SEPTICTANK EACH OF	5 X 3.0 X 2.0 M THE SIZE

UP FLOW FILTERS

DISCHARGE FOR	500 PERSON - 75000 LTR
VOLUME	500 X 0.45 = 225 M <sup>3</sup>
DEPTH	1.0 - 0.2 = 0.80 M
PLAN AREA REQUIRED	225 / 0.80 = 28 M <sup>2</sup>
SIZE OF FINAL EFFIVET SUMP	2.5 X 1.4 X 1.75 M
UP FLOW FILTER NO:1	1.4 X 0.70 X 0.80
UP FLOW FILTER NO:2	1.4 X 0.70 X 0.80

owner:

*[Handwritten Signature]*

licensed surveyor:

*[Handwritten Signature]*  
 K. NARASIMHAN, B.E.  
 CLASS - I  
 Licensed Surveyor No. 344  
 Corporation of Madras  
 Consulting Engineer  
 9, R. S. Road, 1st Street  
 Redambakkam, Madras - 600 026