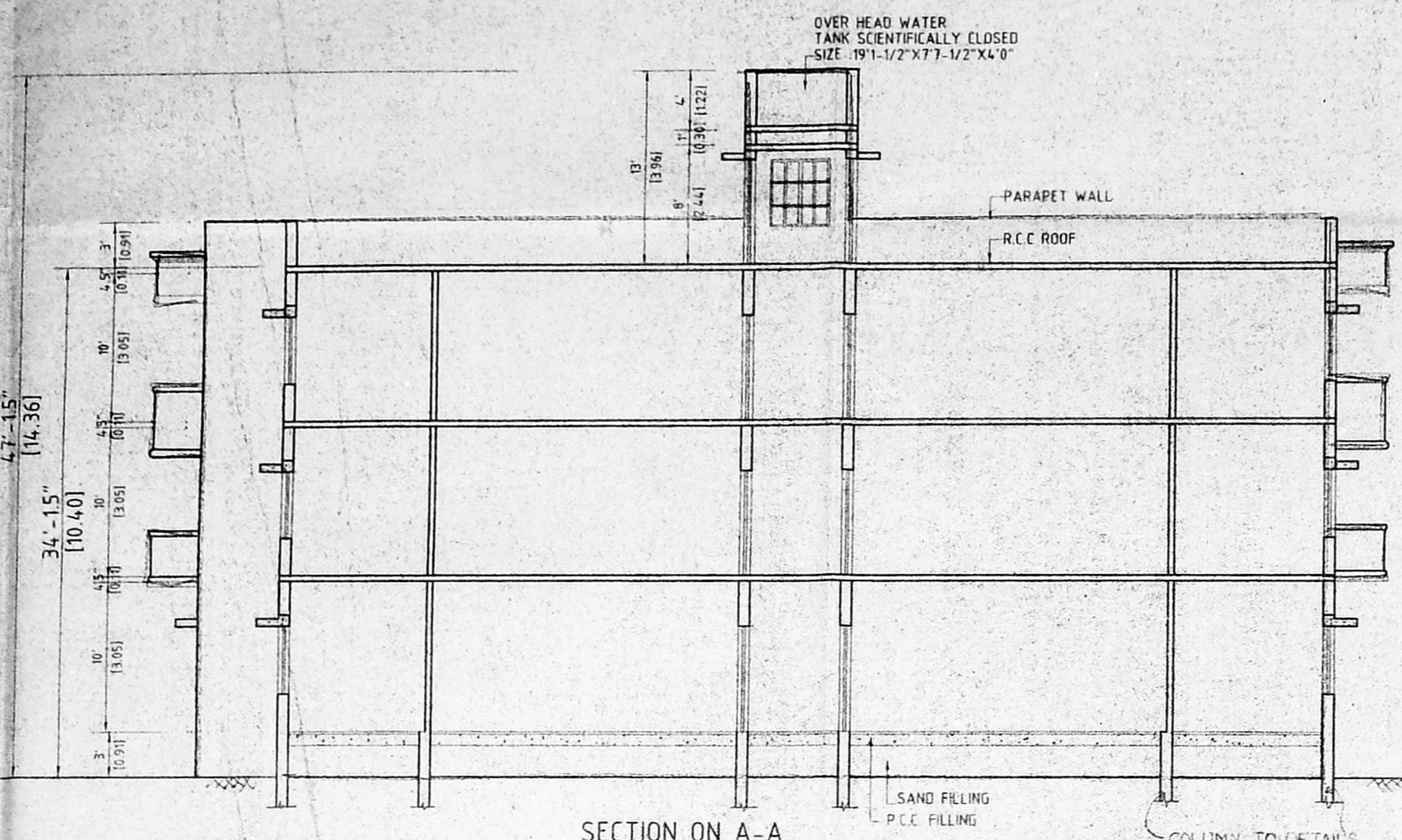
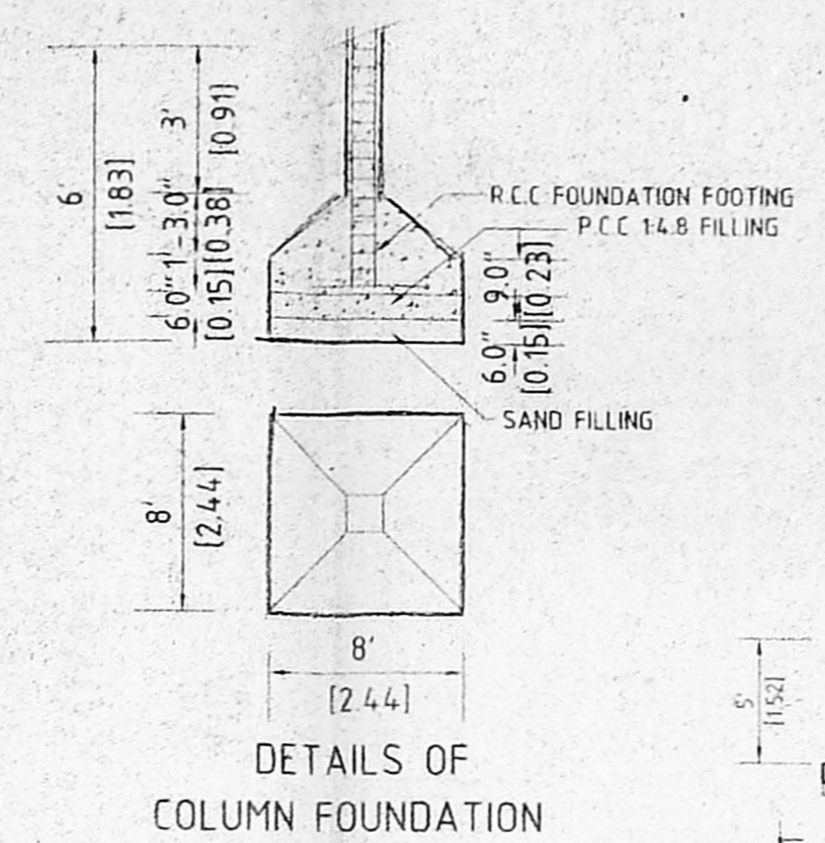


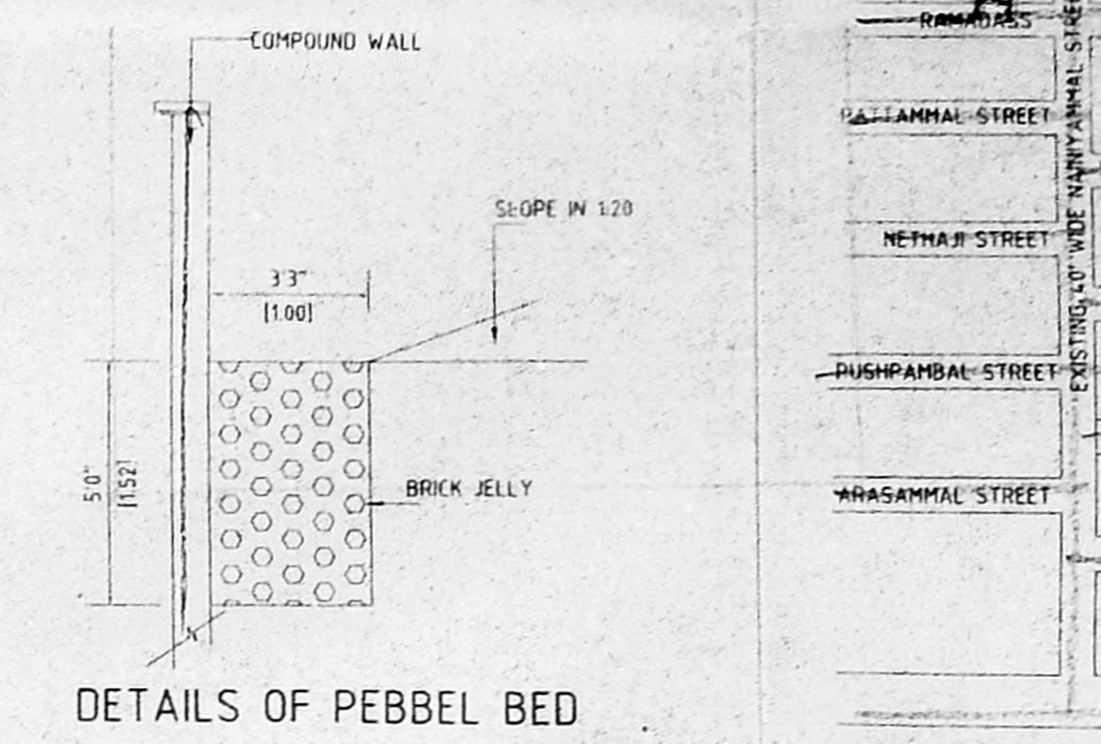
FRONT ELEVATION



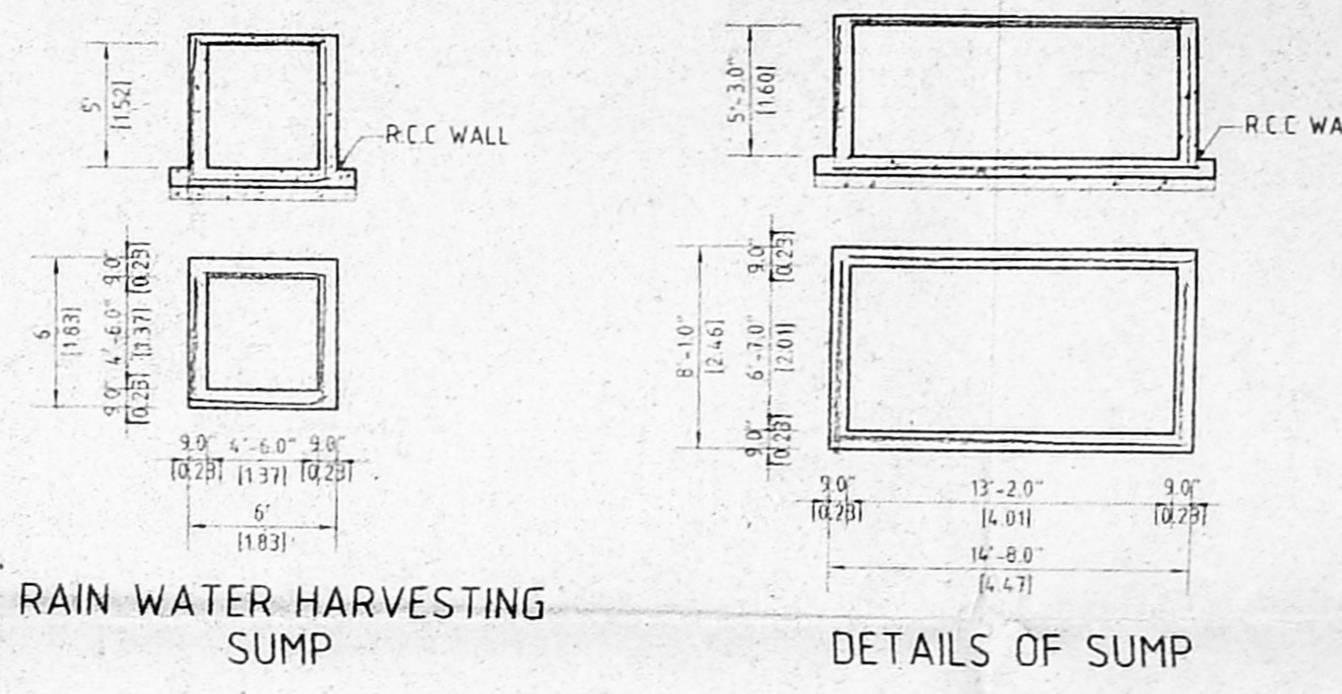
SECTION ON A-A



DETAILS OF COLUMN FOUNDATION

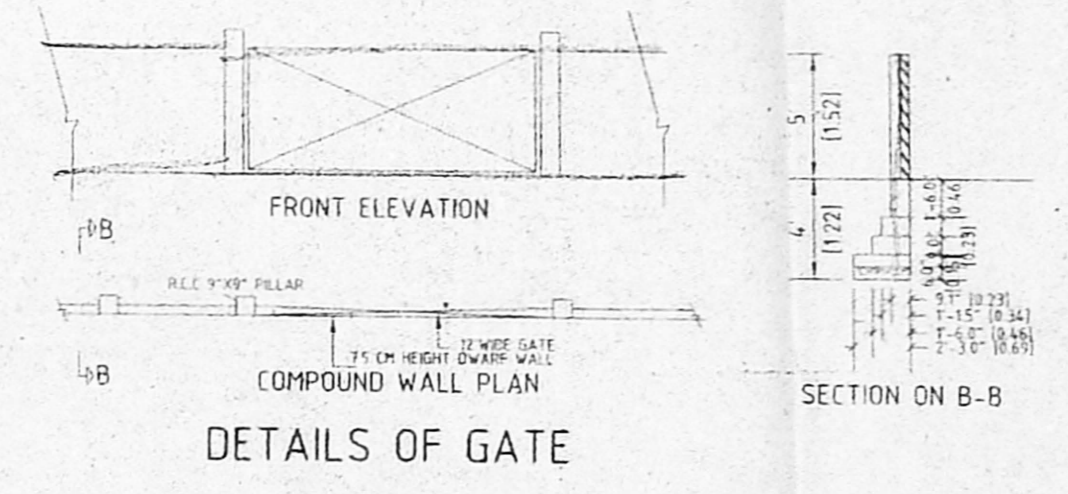


DETAILS OF PEBBLE BED

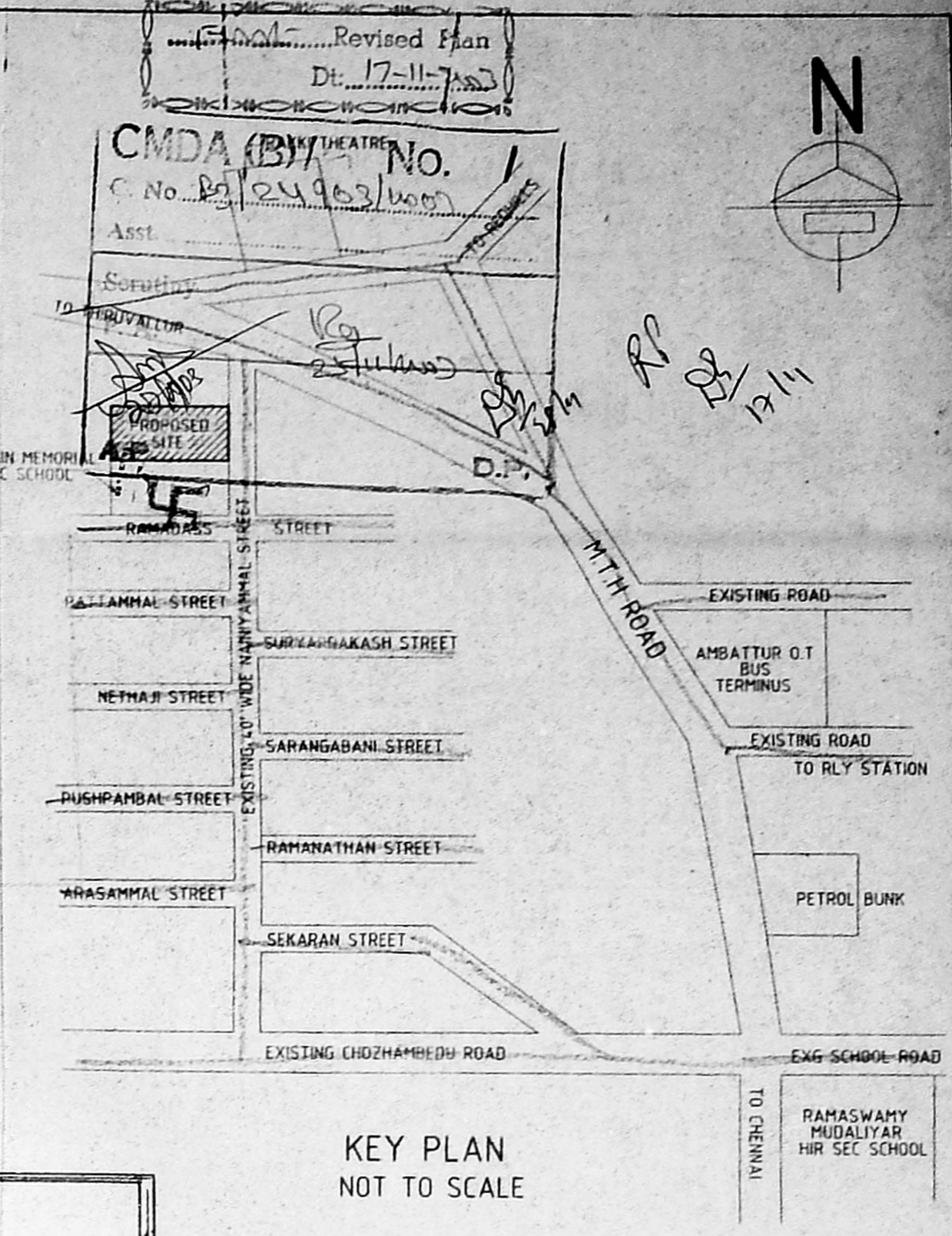


RAIN WATER HARVESTING SUMP

DETAILS OF SUMP



DETAILS OF GATE



KEY PLAN NOT TO SCALE

PLAN SHOWING THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING IN PLOT NO-51 NAINYAMMAL STREET, VENKATAPURAM WESTERN EXTN. T.P. SCHEME, S.NO:AS PER PATTI 604/2A1A1C2 & 605/3A2 OF AMBATTUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DISTRICT. AMBATTUR MUNICIPALITY

DEMOLITION APPROVED NO. B.A NO 584/03/F1 DATED : 26/05/2003 AMBATTUR MUNICIPALITY

SCALE 1"=8'0" OR 1:100

JOINERY DETAILS

M0	MAIN DOOR	3'3"X7'0"	1.00 X 2.10
D1	DOOR	3'0"X7'0"	0.91 X 2.10
D2	DOOR	2'6"X7'0"	0.76 X 2.10
W1	WINDOW	4'0"X4'6"	1.22 X 1.36
W2	WINDOW	4'0"X2'0"	1.22 X 0.61
V	VENTILATOR	2'0"X1'6"	0.61 X 0.46

AREA DETAILS

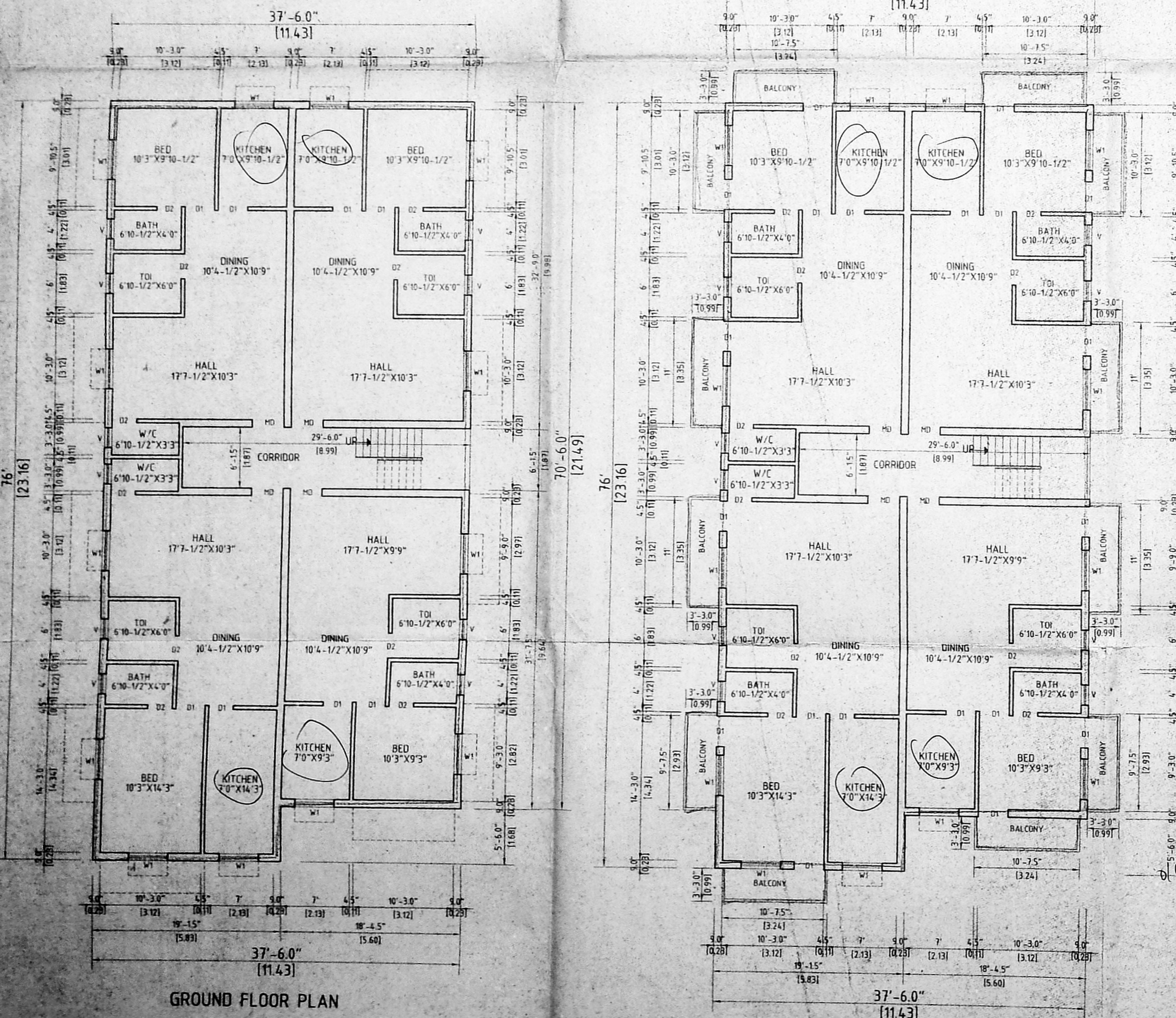
PLOT EXTENT	6176.00 SQFT OR 573.98 SQMT
GROUND FLOOR	2748.94 SQFT OR 255.48 SQMT
FIRST FLOOR	3159.25 SQFT OR 293.61 SQMT
SECOND FLOOR	3159.25 SQFT OR 293.61 SQMT
TOTAL FLOOR	9067.44 SQFT OR 842.70 SQMT
PLOT COVERAGE	51 %
F.S.I	1468

COLOUR INDEX

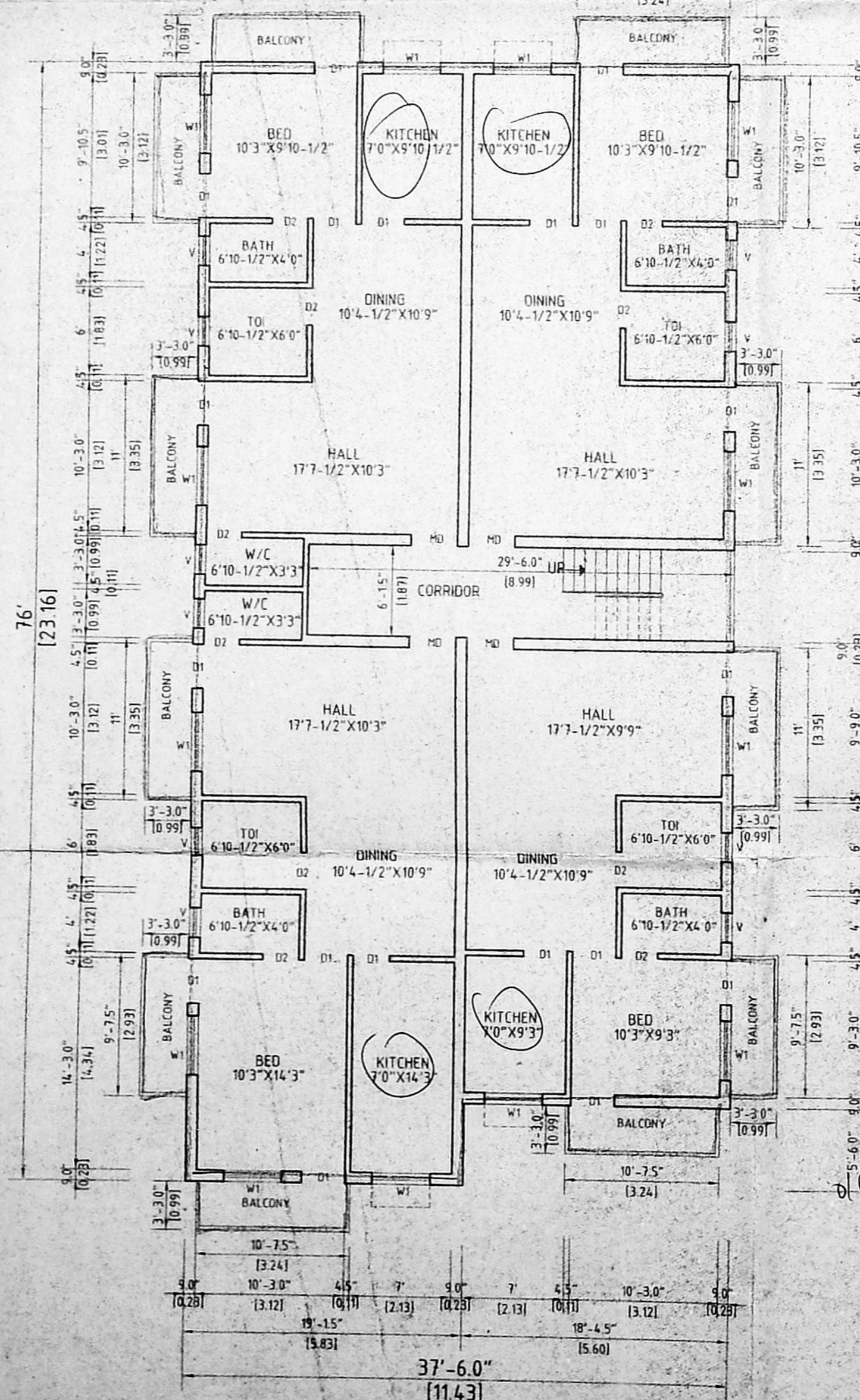
[Symbol]	PROPOSED BUILDING
[Symbol]	EXISTING ROAD
[Symbol]	SITE BOUNDARY

SIGN OF OWNER

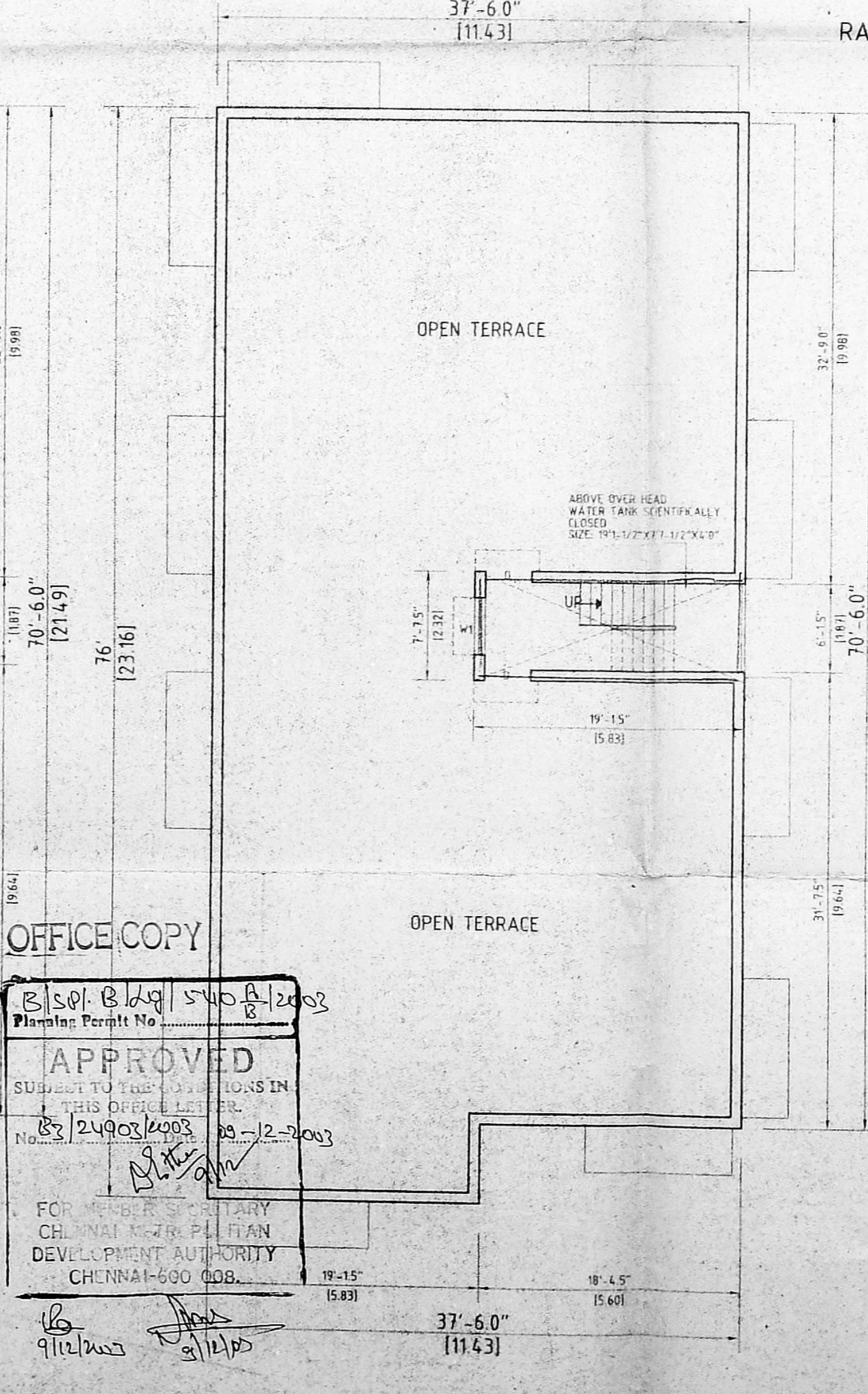
SIGN OF LICENSED SURVEYOR



GROUND FLOOR PLAN

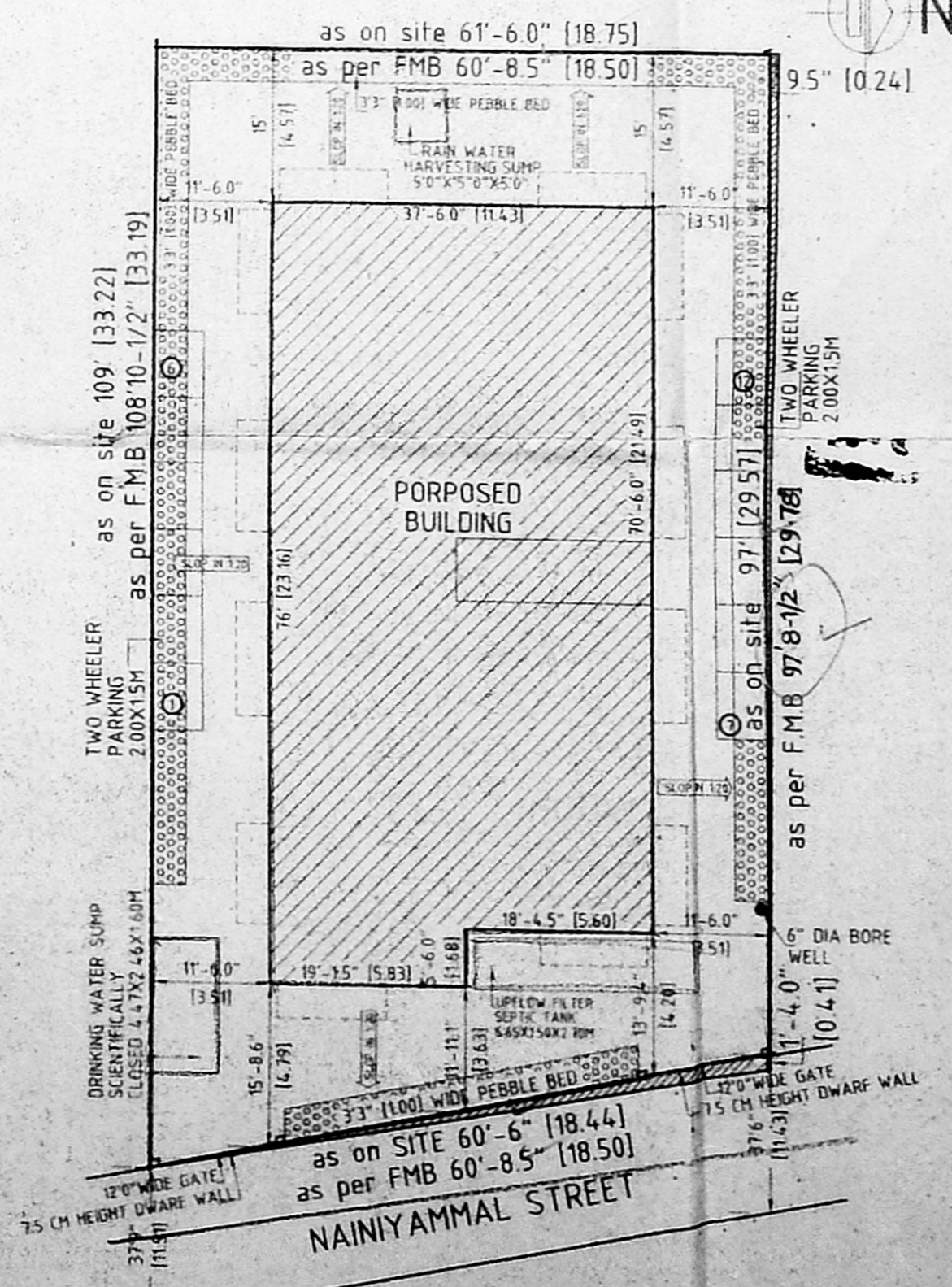


TYPICAL FIRST & SECOND FLOOR PLAN



TERRACE FLOOR PLAN

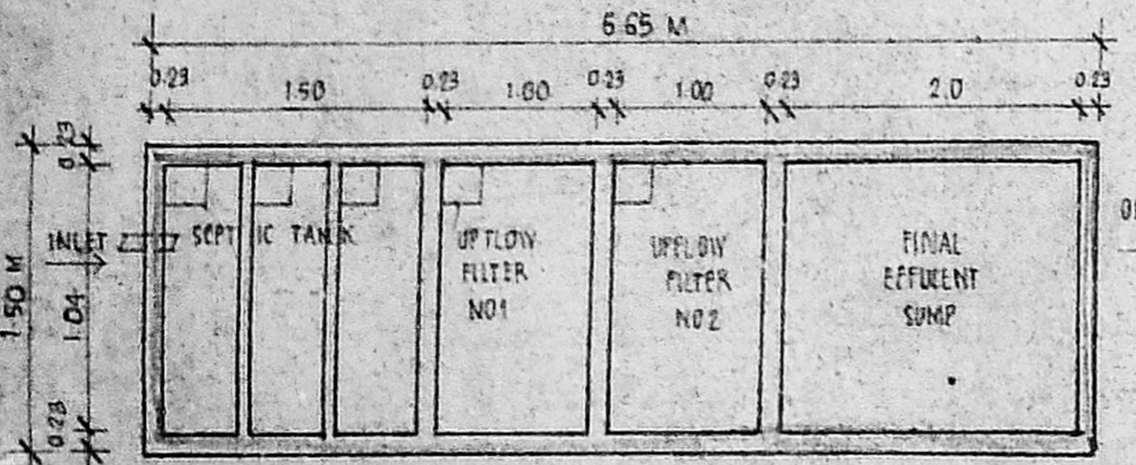
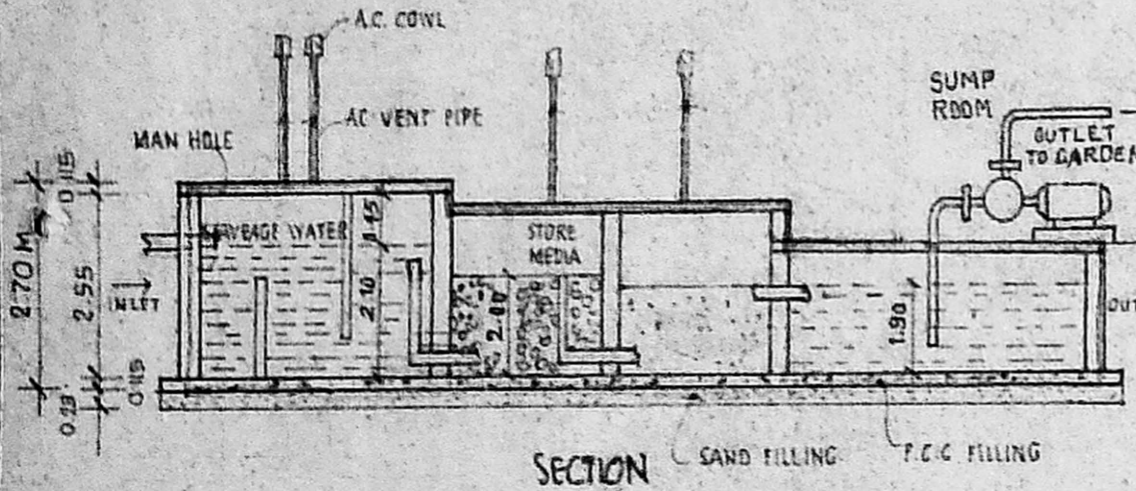
OFFICE COPY
 B.S.P. B. 109 540 A / 2003
 Plan No. 24902/2003
 APPROVED
 SUBJECT TO THE PROVISIONS IN THIS OFFICE LETTER
 NO. 24902/2003 DATED 12-12-2003
 FOR MEMBER SECRETARY
 CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
 CHENNAI-600 008.



SITE PLAN SCALE 1"16'0" OR 1:200

K. SELVAM, B.E., M.T.E., C.Eng (I.A.S.E.)
 Consulting Civil Engineer Chartered Engineer
 Approved Valuer & Licensed Surveyor,
 Class I Reg No. 600/2003-2004
 Door No 11 17, Thiruvallur Salai,
 Mogappair P.O., Chennai-600 050,
 Ph. 26566030, Cell. 98412 82050
 (GREEN CHANNEL FILE NOT APPLICABLE)

DESIGN OF SEPTIC TANK WITH UP FLOW FILTERS



DETAILS OF SEPTIC TANK WITH UP FLOW FILTERS

NO OF DWELLINGS = 12
 NO OF USERS = 12 x 5 = 60 PERSONS
 RATE OF WATER SUPPLY = 150 LPH/DAY
 THEN FLOW OF SEWAGE PER DAY = 60 x 150 = 9000 LTS
 DETENTION PERIOD IS 18 HRS
 TANK CAPACITY = 9000 x 18/24 = 6750 LTS
 THE TANK IS TO BE CLEANED EVERY YEAR
 SO SLUDGE STORAGE CAPACITY AT THE RATE OF 15 LTS PER PERSON PER YEAR WITH PROVISION FOR FUTURE EXPANSION LET THE TOTAL TANK CAPACITY BE 7110 LTS SAY, 8.0 M³

SEPTIC TANK HAVING CAPACITY OF 8.0 M³
 DEPTH OF LIQUID AS 1.0 M
 PLAN AREA OF THE TANK 8.0/2 = 4.0 M²
 THE RATIO OF LENGTH TO WIDTH OF TANK TO BE 3
 LENGTH x BREADTH x 3 = 4.25 M

BREATH OF TANK 1.5 M
 LENGTH OF TANK 6.65 M
 FREE BOARD OF THE TANK 0.2 M
 TOTAL DEPTH OF THE TANK (1.5+0.2) = 1.7 M
 DISCHARGE FOR 100 PERSONS PER LETTER, 15000 LTS
 VOLUME 100 x 0.15 x 1.7 = 25.5 M³
 DEPTH 1.10 x 0.30
 PLAN AREA REQUIRED 10.5/0.8 = 13.125 M²
 SIZE OF FINAL EFFLUENT SUMP 1.50 x 1.0 x 2.0
 UPFLOW FILTER NO1 1.40 x 1.0 x 2.0
 UPFLOW FILTER NO2 1.40 x 1.0 x 2.0

OFFICE COPY

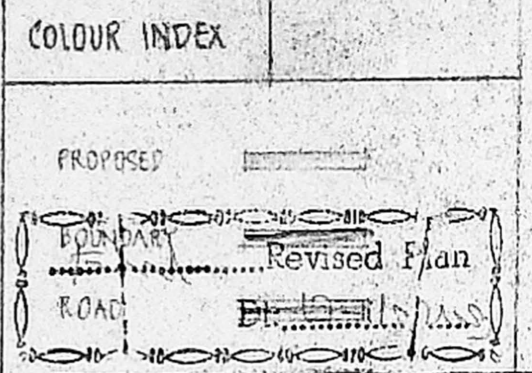
Planning Permit No. BS/SP/Bldg/540 B/2003

APPROVED

SUBJECT TO THE CONDITIONS IN THE LETTER.

153/24903/2003 Date 09-12-2003

SECRETARY
 CHENNAI DEVELOPMENT AUTHORITY
 CHENNAI-600 008.



CMDA (B)/E No. 153/24903/2003

PROPOSED RESIDENTIAL BUILDING IN PLOT NO. 51, S.NO. 604/2A1A1C2, 605/3A2 OF AMBATTUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DISTRICT, AMBATTUR MUNICIPALITY.

SCALE 1" = 4' OR 1:50

S. Sankar

OWNER

K. SELVAM, B.E. AMIE, E.Eng (I) A.I.V.,
 Consulting Civil Engineer Chartered Engineer
 Approved Valuer & Licensed Surveyor,
 Class I Reg No 600/2003 2004
 Door No. 11 17, Thiruvalluvar Salai,
 Mogappair East, Chennai-600 050.
 Ph: 26562050, Cell: 98412 82050
 LICENSED SURVEYOR (GREEN CHANNEL FILE NOT APPLICABLE)

10/2/2003