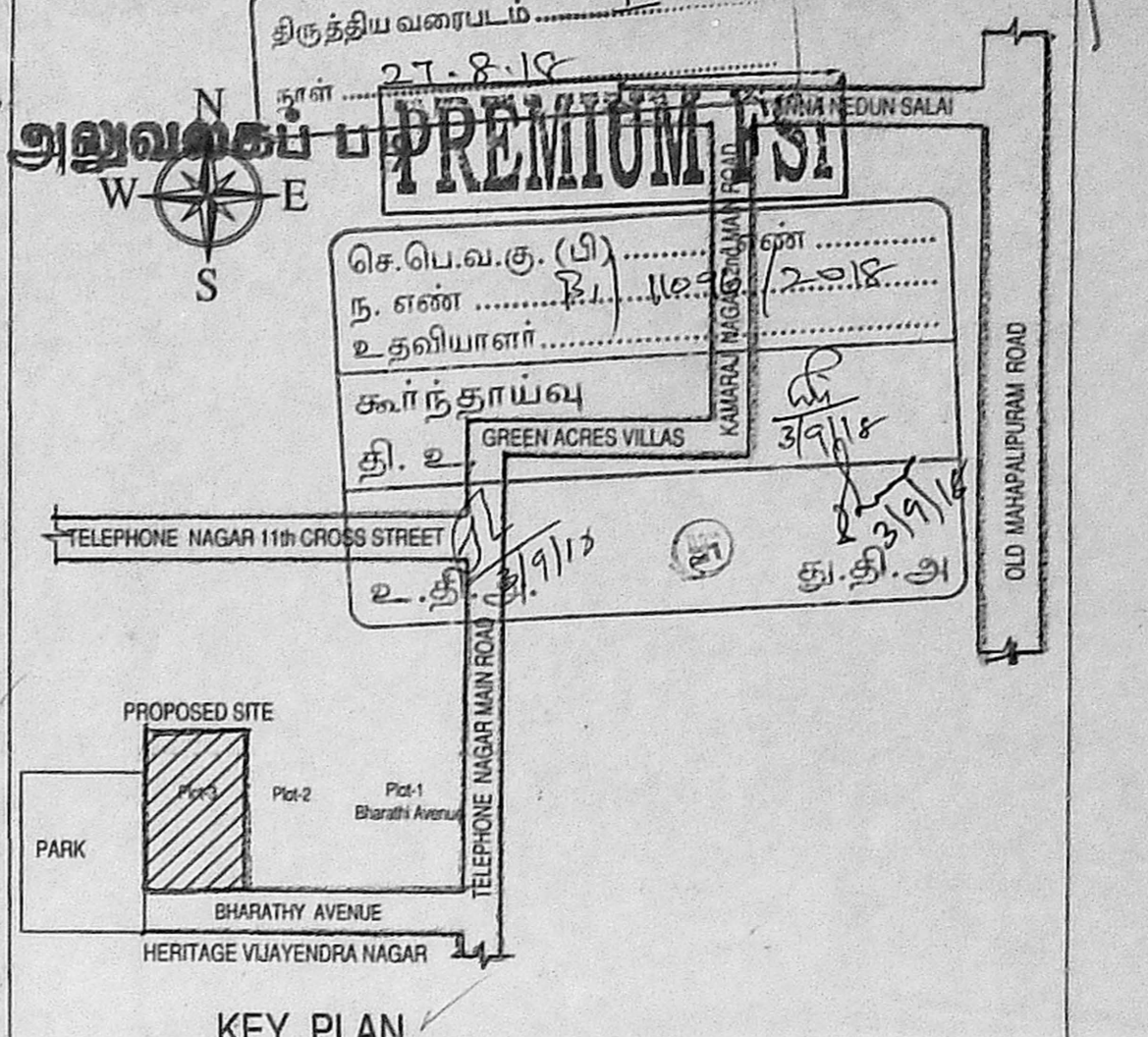
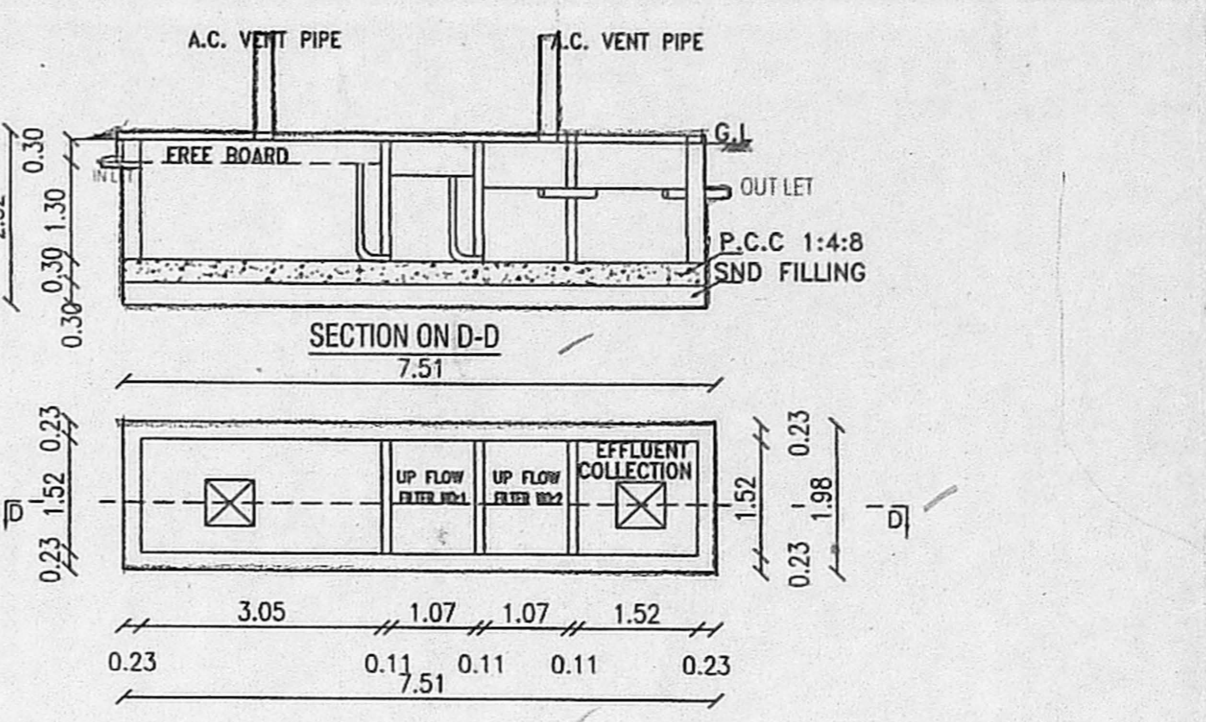


DESIGN OF SEPTIC TANK WITH UPFLOW FILTER
 NO OF DWELLING UNIT = 8 NoS.
 NO OF USERS = 8 X 5 = 40 Nos.
FIXTURE UNIT PER DWELLING
 TOTAL NO OF FIXTURE UNIT = 2 X 8 = 16 NoS.
 ASSUME A PEAK FACTOR OF 6LPM/FIXTURE UNIT
SEPTIC TANK
 SURFACE AREA REQUIRED = 96 X 0.92 = 88.32 M²
 VOLUME OF FREE BOARD = 8.83X0.30 = 2.65M³
 VOLUME OF SEDIMENTATION = 8.83X0.30 = 2.65M³
 VOLUME OF DIGESTION = 40X0.032 = 1.28M³
 VOLUME OF SLUDGE = 40X365X0.0002 = 2.92M³
 TOTAL VOLUME = 9.50M³
 DEPTH OF SEPTIC TANK 9.50/10.20 = 0.93M
 PROVIDING L X B = 2.5:1
 SIZE OF SEPTIC TANK = 3.05M X 1.52M X 1.30M

UPFLOW FILTER
 CAPACITY PEAK GRAVITY = 40 X 0.045 = 1.80M³
 ASSUME DEPTH = 0.80M
 HENCE AREA OF FINAL EFFLUENT SUMP = 1.80/0.80 = 2.25M²
 SIZE OF FINAL EFFLUENT SUMP = 1.52X1.64X0.80M
 SIZE OF UPFLOW FILTER-1 = 1.52X1.07X1.30M
 SIZE OF UPFLOW FILTER-2 = 1.52X1.07X1.30M



AREA STATEMENT

PLOT EXTENT (DOC.)	442.40
PLOT EXTENT (PATTA)	450.00
PLOT EXTENT (SUPER IMPOSED)	443.30

FLOOR	FLOOR AREA	5% BALCONY AREA (NON F.S.I)
FIRST FLOOR	242.50	11.95
SECOND FLOOR	241.76	11.69
THIRD FLOOR	241.76	11.69
TOTAL	726.02	35.33

F.S.I = 1.641

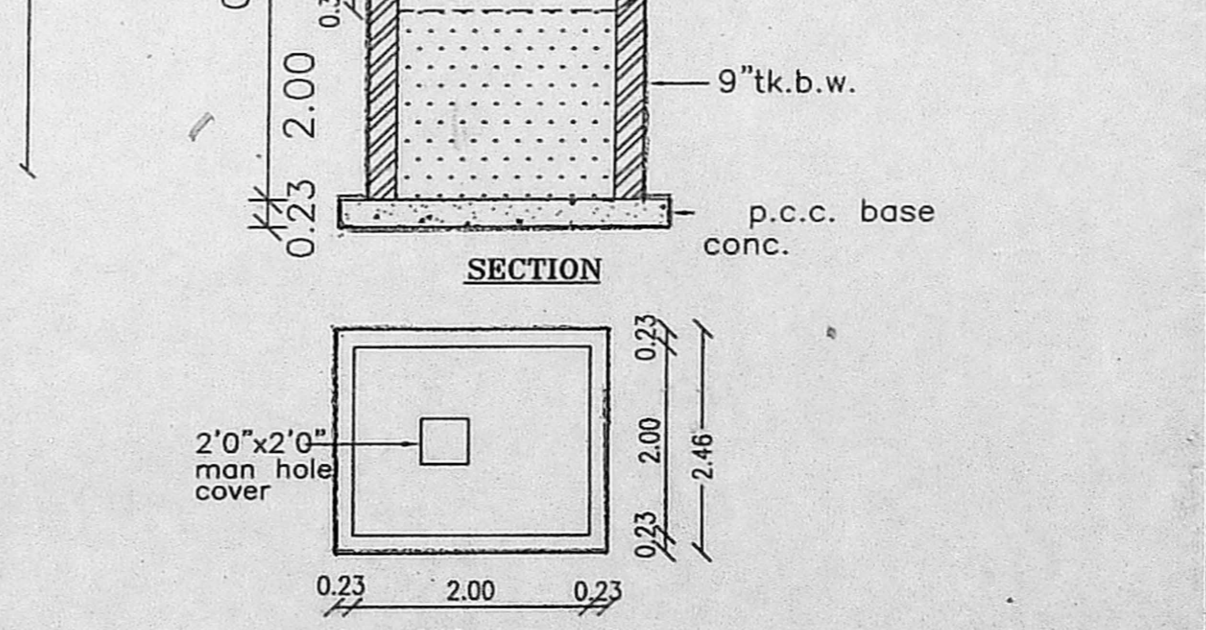
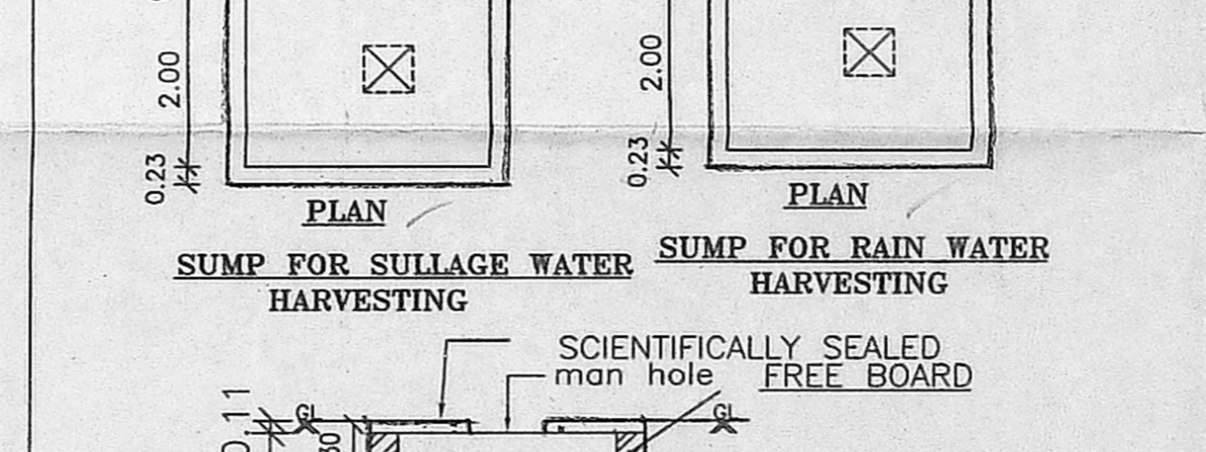
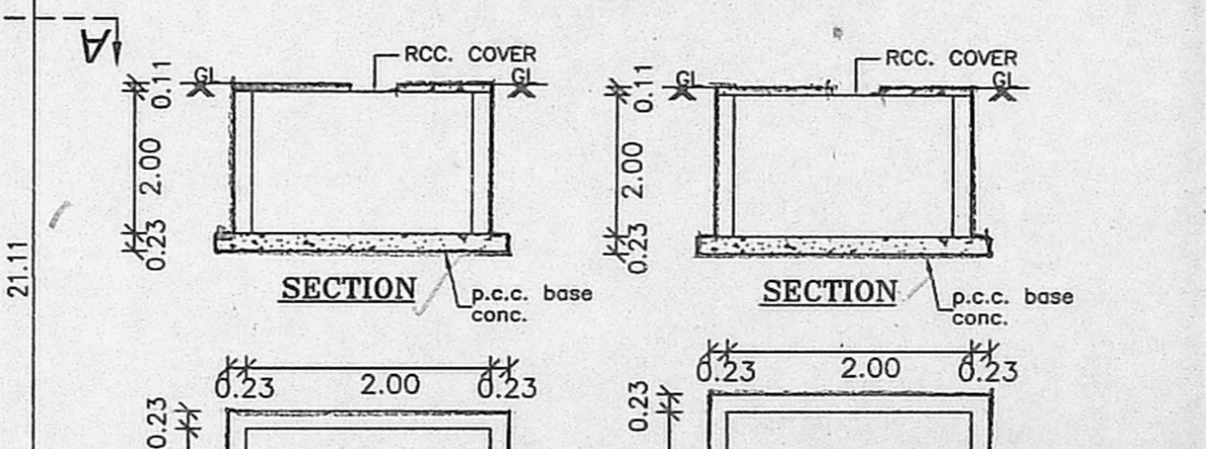
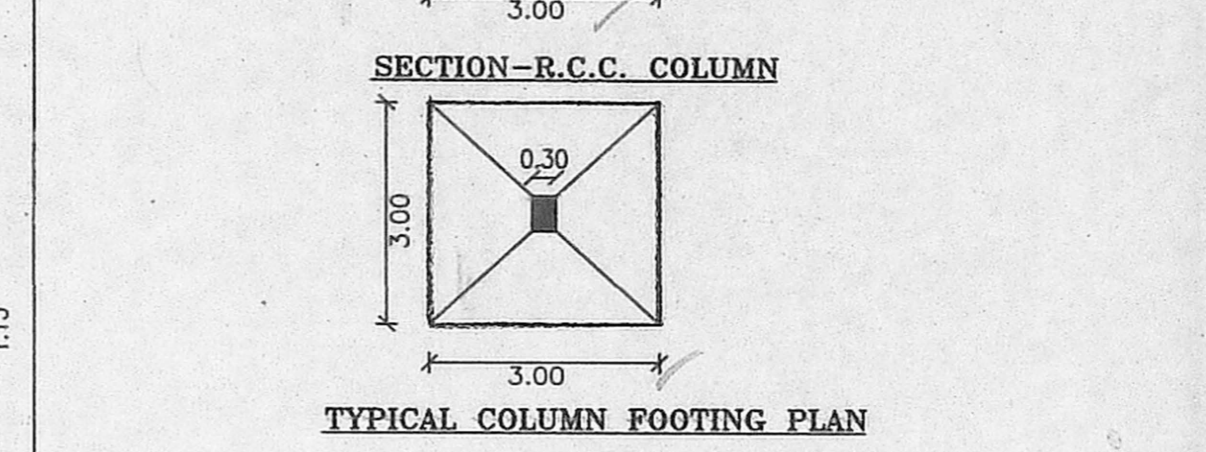
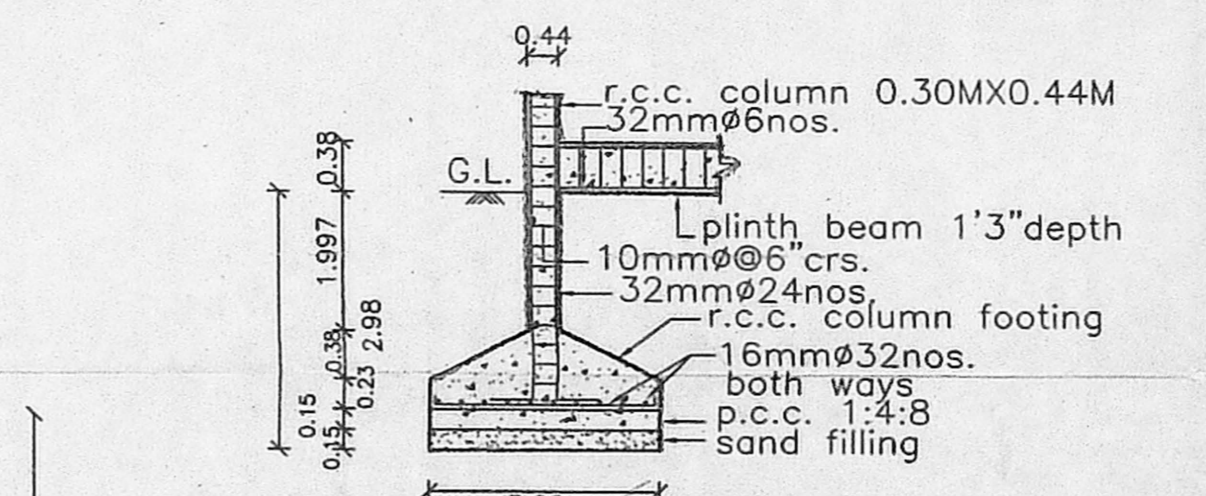
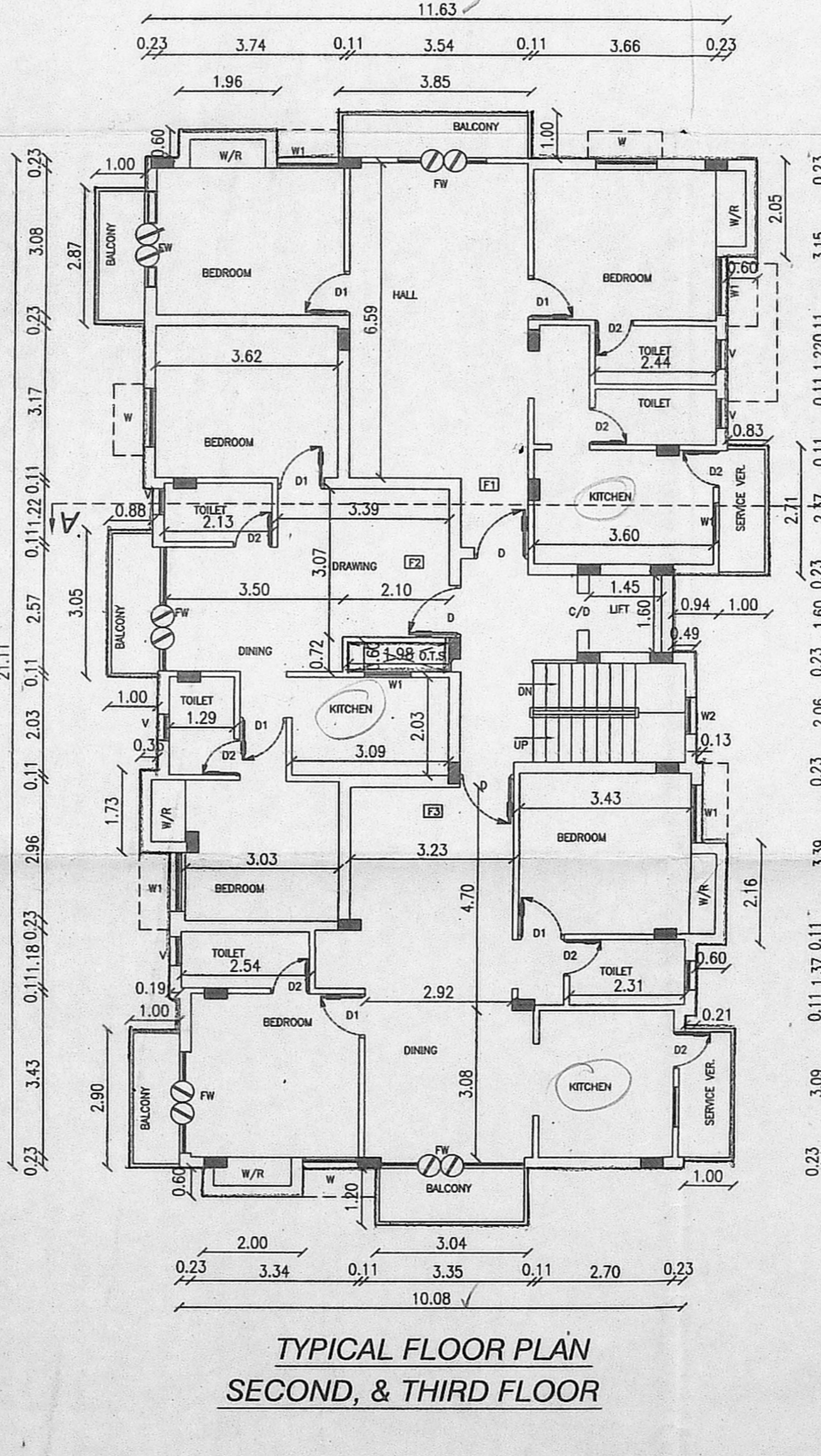
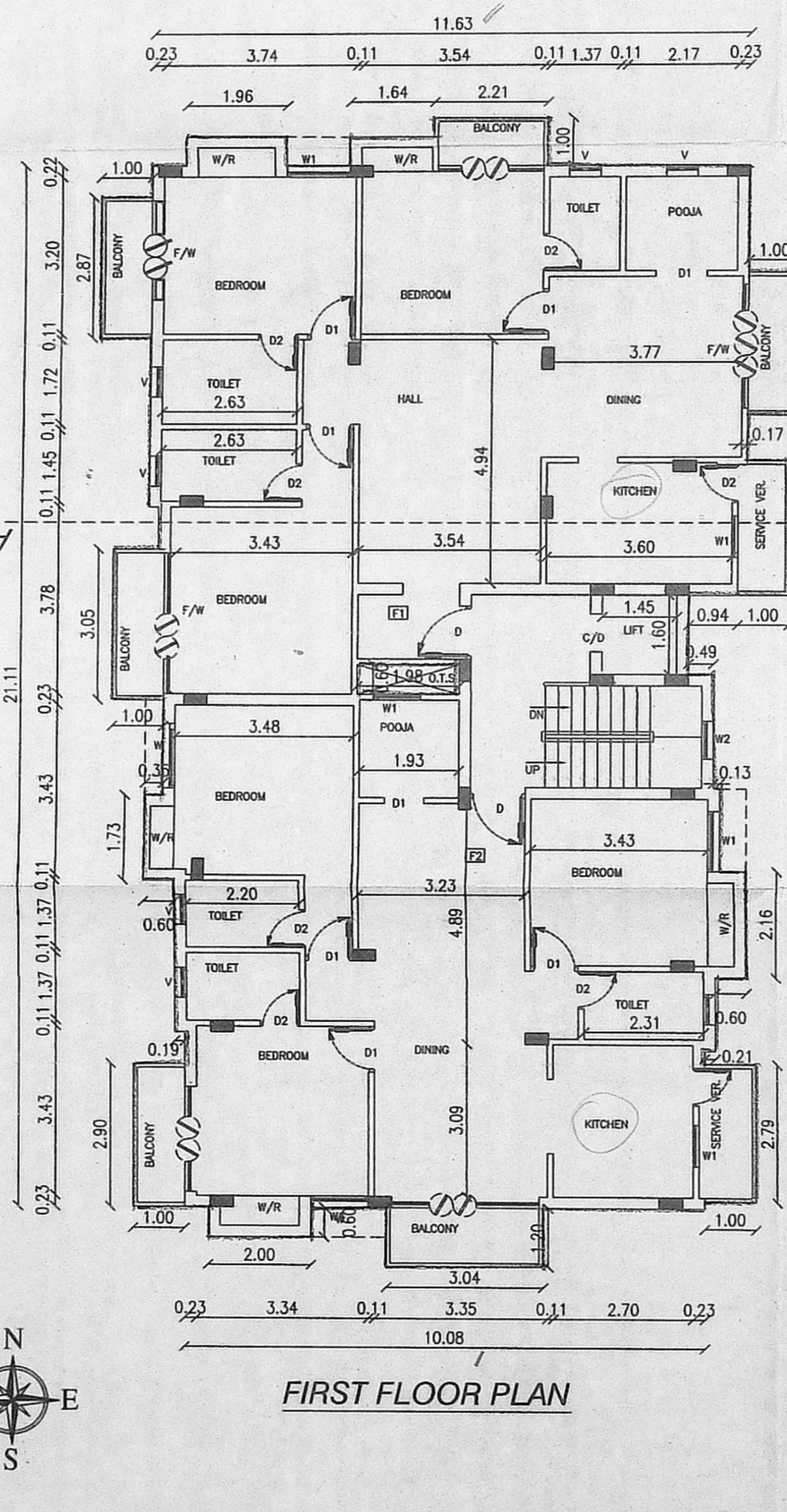
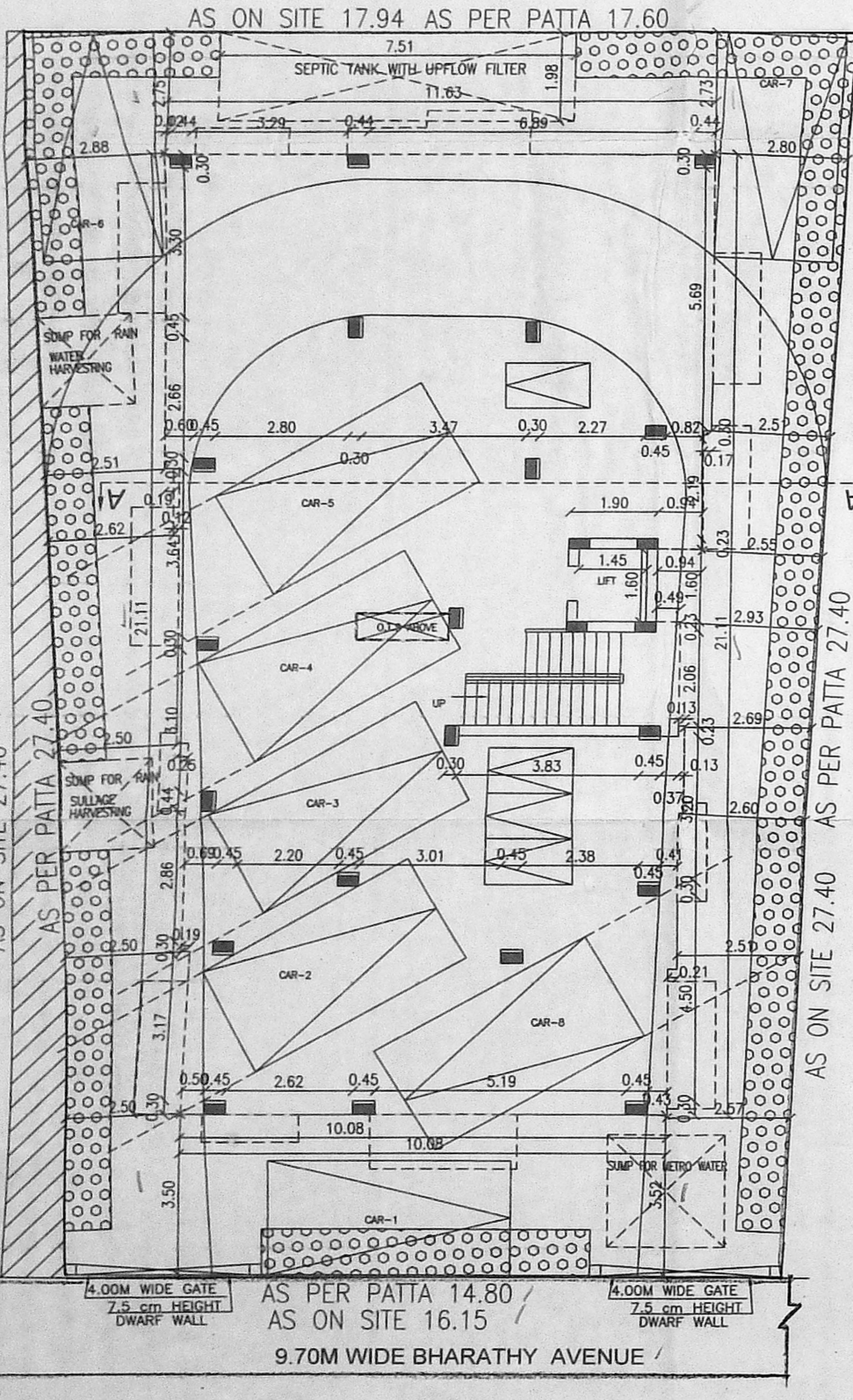
COLOUR INDEX

PROPOSED ROAD BOUNDARY

SCHEDULE OF JOINERY

D DOOR	-	1.00X2.13
D1 DOOR	-	0.90X2.13
D2 DOOR	-	0.76X2.13
W WINDOW	-	1.20X1.22
W1 WINDOW	-	1.00X1.22
V VENTILATOR	-	0.90X0.60
F/W WINDOW	-	1.0X2.13

SCALE : 1:100



PLAN SHOWING THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING AT PLOT NO.3, IN CMDA APPROVED LAY OUT NO. 14/1994, BHARATHI AVENUE, TELEPHONE NAGAR, PERUNGUDI, CHENNAI-96 IN OLD S.NO. 156/1B PART, NEW S.NO.156/1B2, OF PERUNGUDI VILLAGE, SHOLINGANALLUR TALUK, KANCHEEPURAM DISTRICT, GREATER CHENNAI CORPORATION. DIVISION NO.184 ZONE NO.XIV

MEASUREMENTS ARE IN METRES

For KRIVYA INFRASTRUCTURE PRIVATE LIMITED
 DIRECTOR
 OWNER SIGNATURE

LICENSED SURVEYOR
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