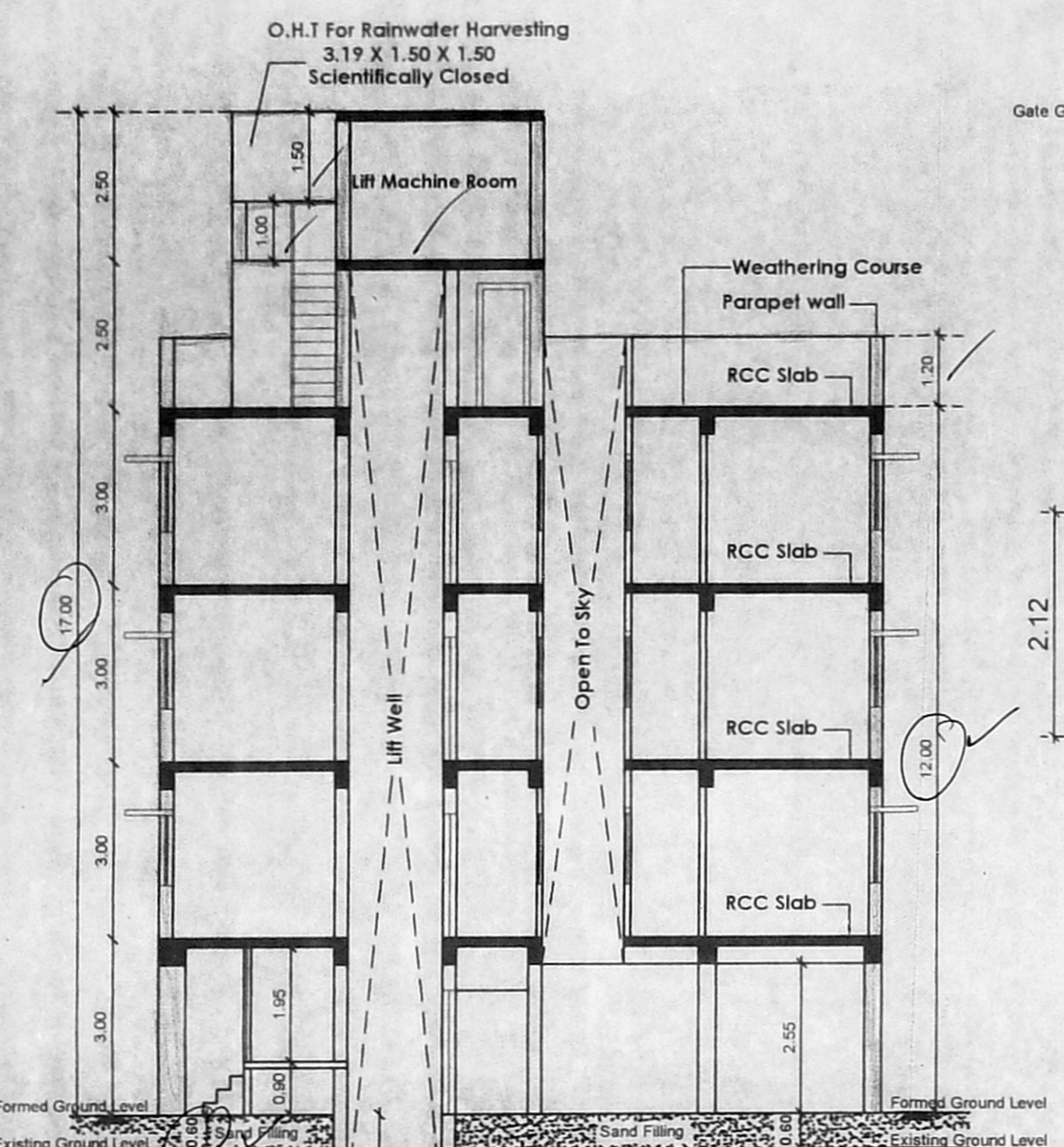
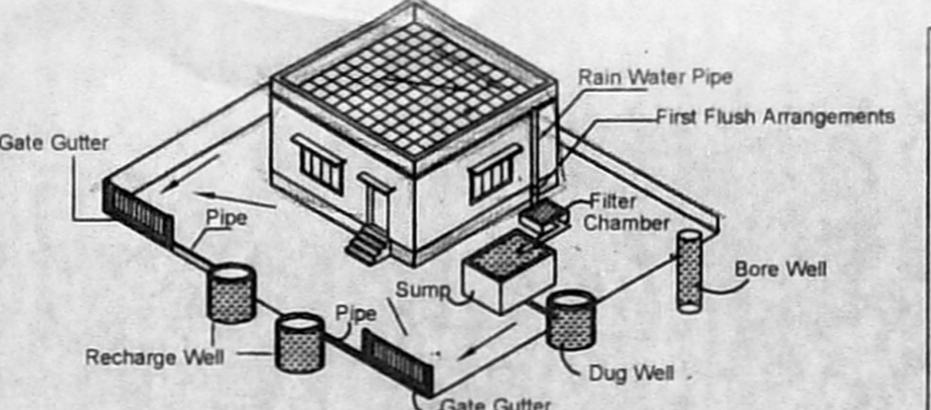


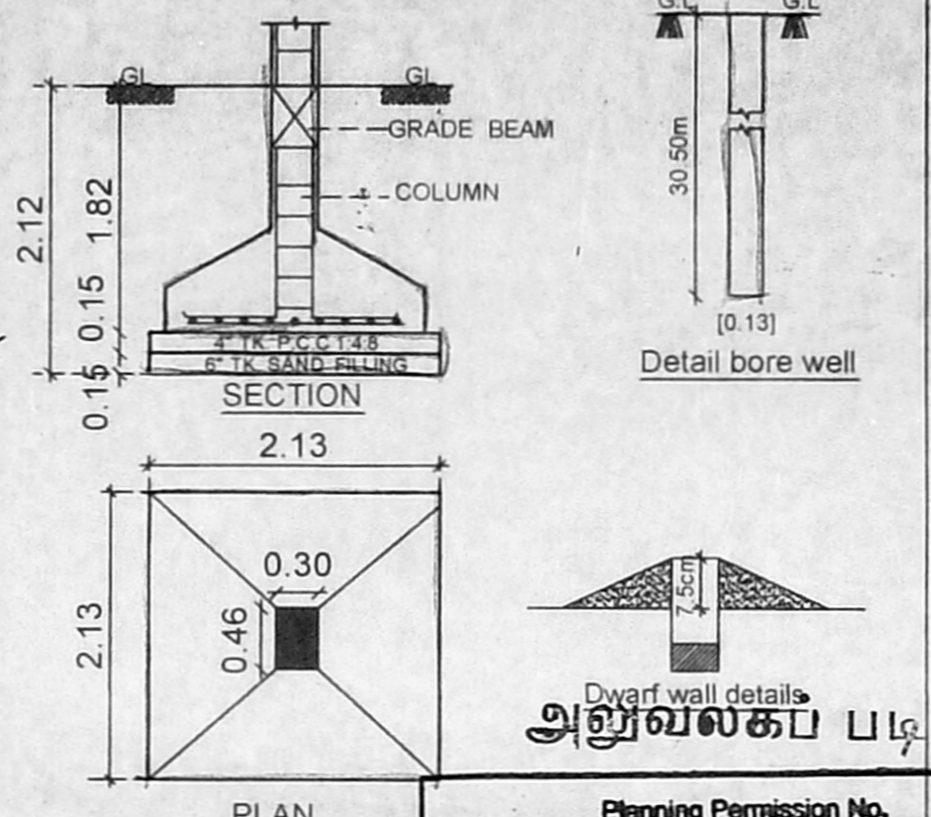
FRONT ELEVATION



SECTION- AA



Proposed Rain Water Harvesting System Provided as per CBR Norms Drawing No.1A Not To Scale



FOUNDATION DETAILS

Septic Tank With Up Flow Filter Calculation For Residential Apartment

No. of Flats	9 Nos.
No. of users	45 Nos.
Total No. of users	45
assume a standard user	1.2 liter per minutes
Total no. of fixture units	20 x 0.6 = 12
factor of 6 lpm/fixture unit	120 liter per minutes

SEPTIC TANK

Surface area required for the septic tank = 12.00 x 0.30 = 3.60 sq.m

Volume of free board = 12.00 x 0.30 x 0.30 = 1.08 cu.m

Volume of sedimentation = 4.5 x 3.65 x 0.0002 = 1.49 cu.m

Volume of digestion = 4.5 x 3.65 x 0.0002 = 1.49 cu.m

Volume of sludge = 4.5 x 3.65 x 0.0002 = 1.49 cu.m

Total volume = 11.98 cu.m

Depth of Septic tank = 1.00m

Surface area = 12.00 x 0.30 = 3.60 sq.m

Inset pipe invert level assumed = 0.60m

Gradient of 1 in 8 starting from first chamber

Total Liquid Depth = 1.00m + 0.60m

Required size of septic tank = 2.50m x 2.50m x 2.00m

UPFLOW FILTERS

Capacity for 45 users = 45 x 0.045 = 2.00 cu.m

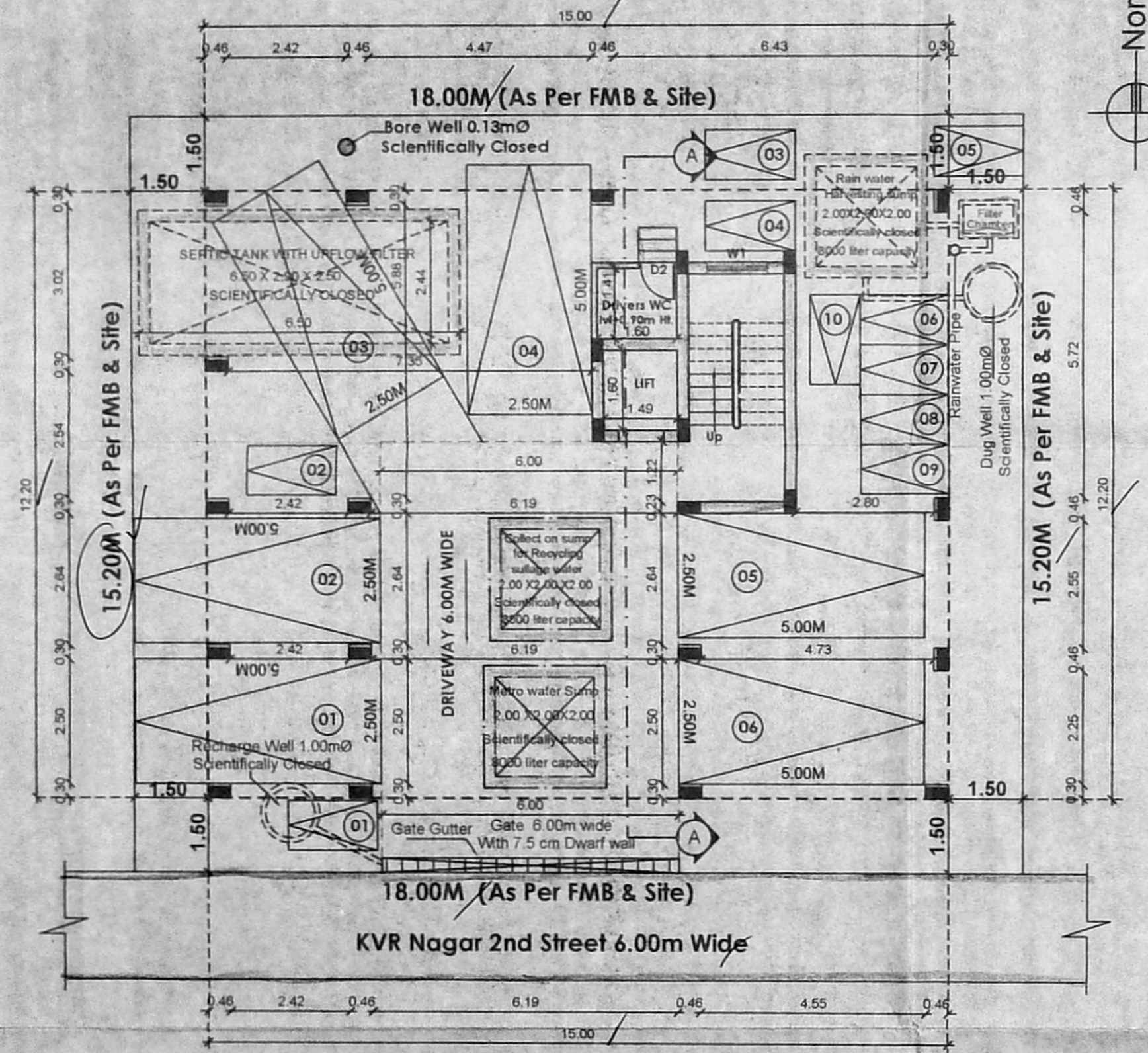
Depth (assumed) = 0.8 (minimum)

Hence area of final effluent sump = 2.00 x 2.50 = 5.00 sq.m

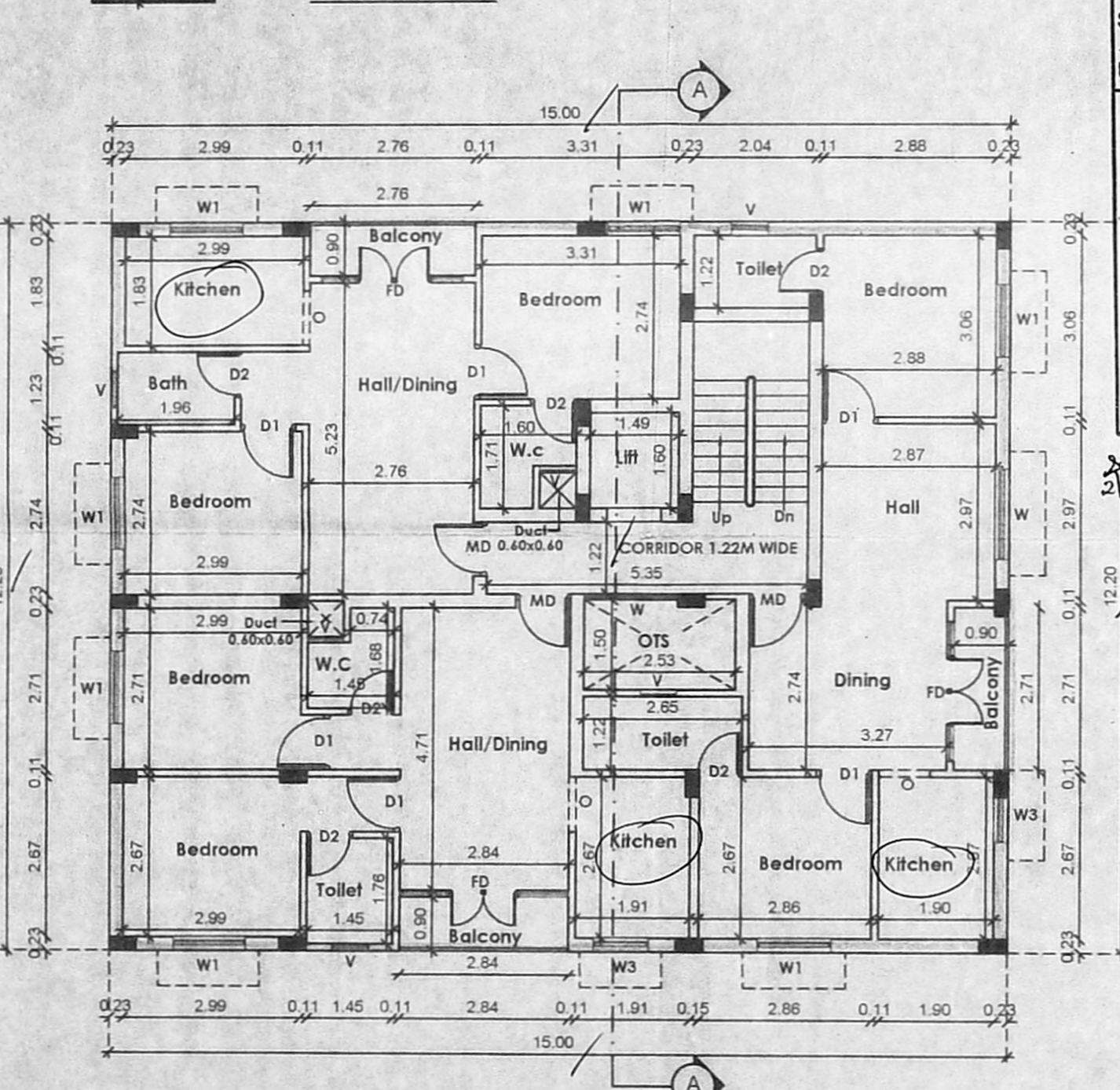
Size of final effluent sump = 2.50 x 1.00 x 0.80m

Size of up flow filter (1) = 2.50 x 1.00 x 0.80m

Size of up flow filter (2) = 2.50 x 1.00 x 0.80m



SITE CUM STILL FLOOR PLAN



TYPICAL 1ST, 2ND & 3RD FLOOR PLAN

Planning Permission No. B/Non-High Rise Bldg/12/2019

APPROVED

Subject to conditions mentioned in this office letter SB/N/322/2019

No. 3.0.1.2.2.1.9

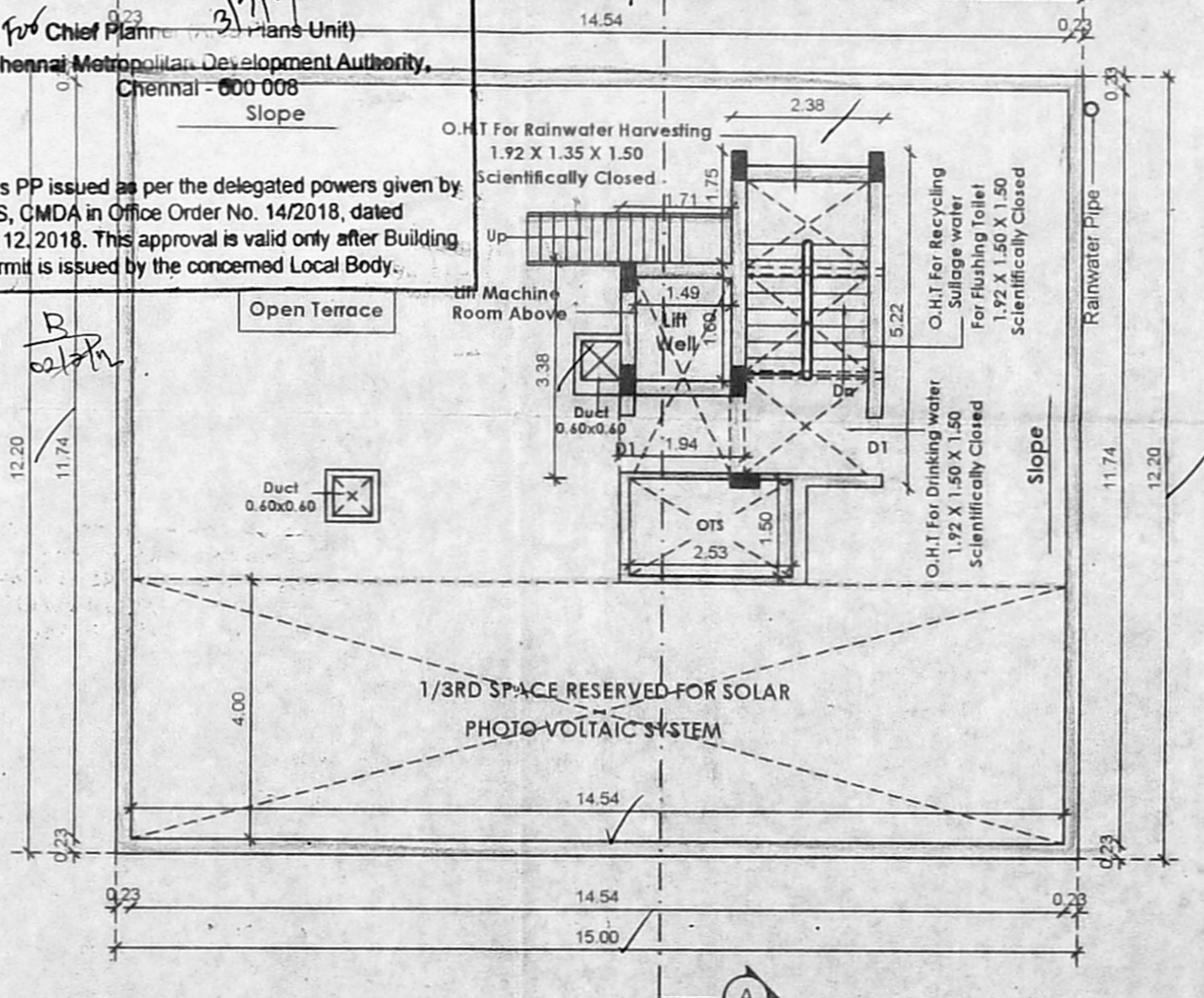
Chief Planner (Plans Unit)

Chennai Metropolitan Development Authority, Chennai - 600 008

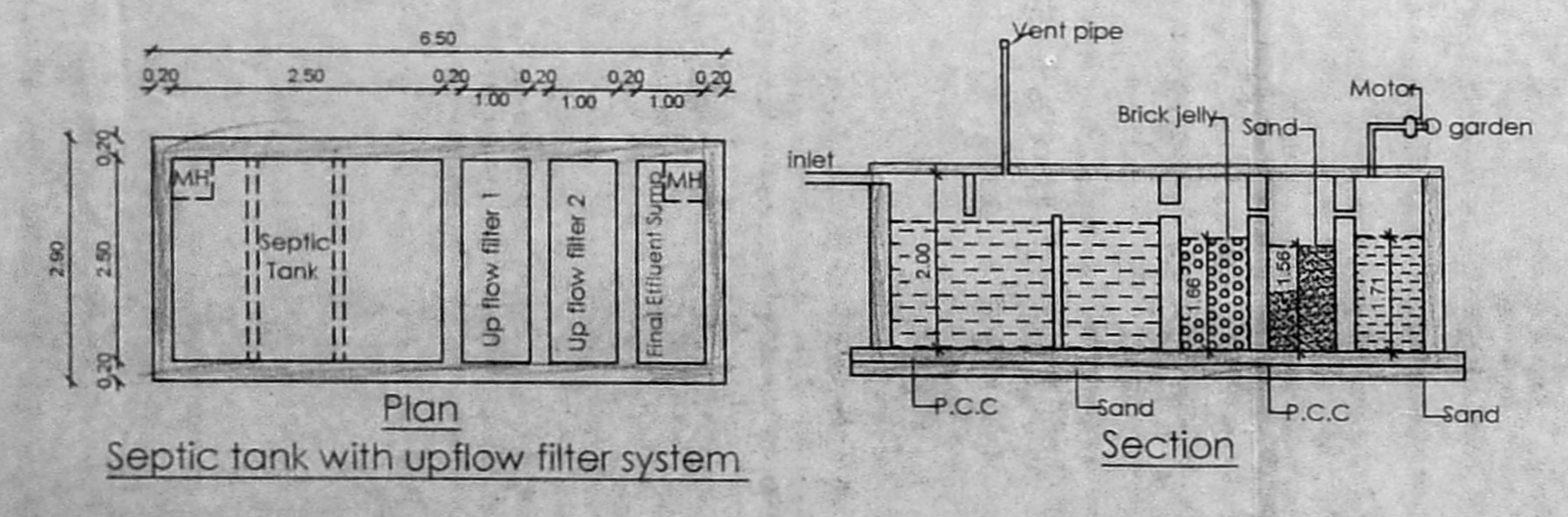
Slope

This PP issued as per the delegated powers given by M.S. CMDA in Office Order No. 14/2018, dated 12.12.2018. This approval is valid only after Building Permit is issued by the concerned Local Body.

The PP issued under new CD & BR 2019 is subject to outcome of WPCMD NO. 8949 of 2019 x WMP (MD) NO. 6912 x 6913 of 2019 dt. 14.04.2019

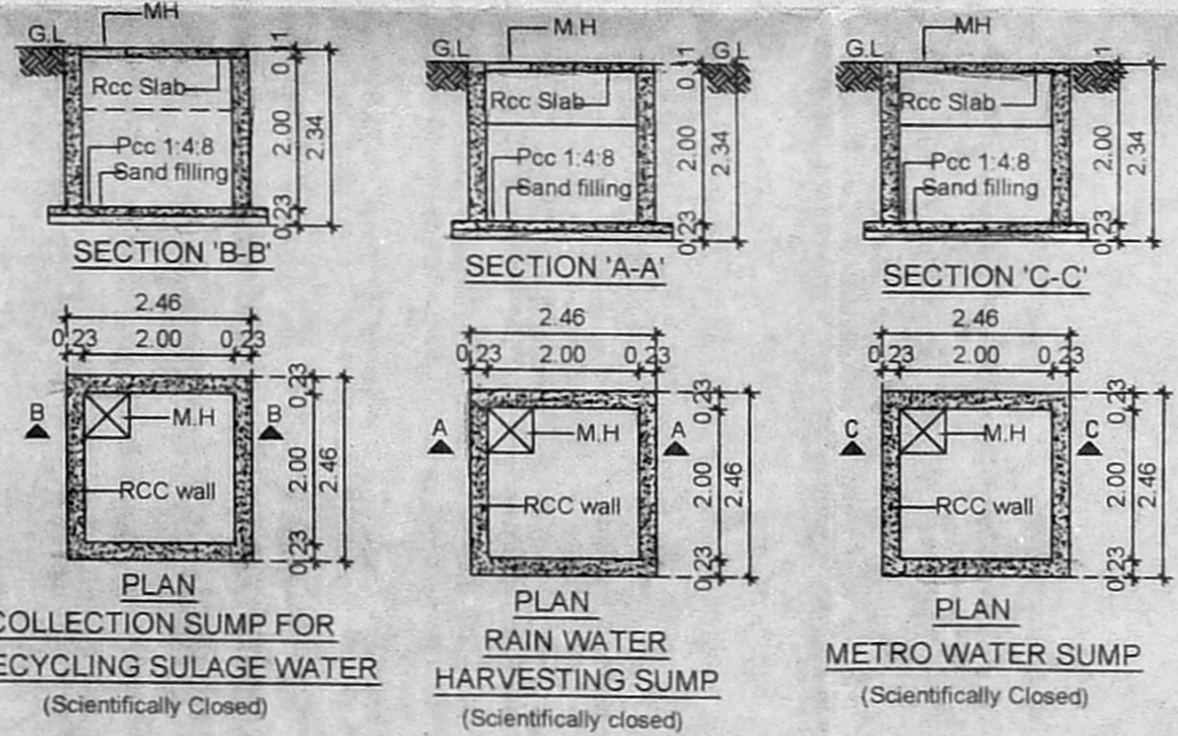


TERRACE FLOOR PLAN



Plan Septic tank with upflow filter system

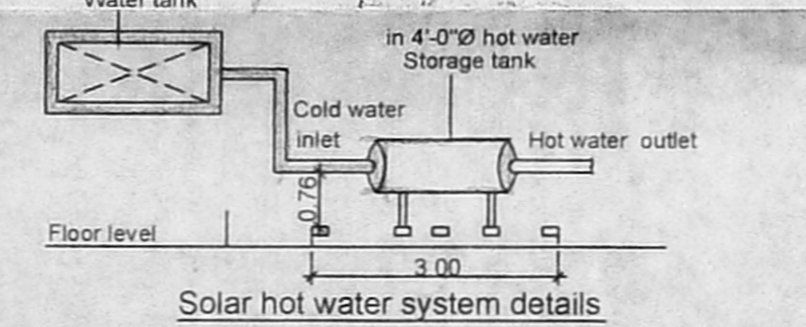
Section



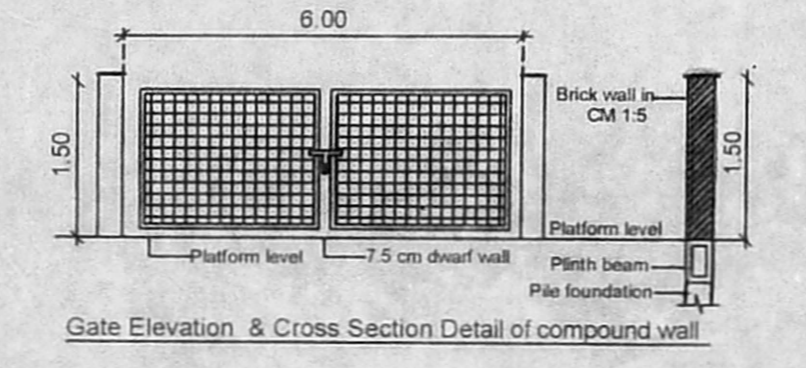
PLAN COLLECTION SUMP FOR RECYCLING SLAGE WATER (Scientifically Closed)

PLAN RAIN WATER HARVESTING SUMP (Scientifically closed)

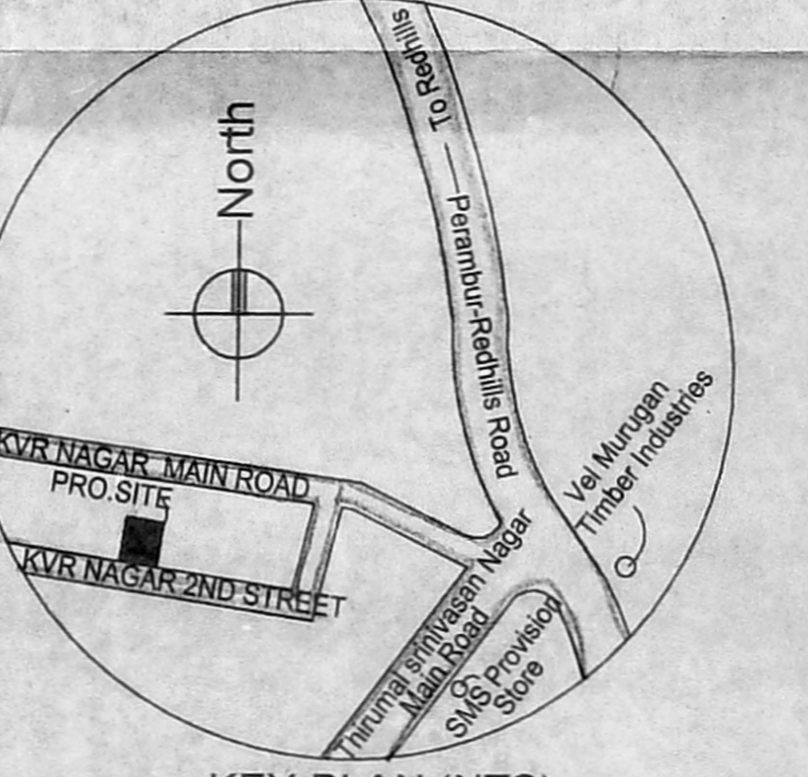
PLAN METRO WATER SUMP (Scientifically Closed)



Solar hot water system details



Gate Elevation & Cross Section Detail of compound wall



KEY PLAN (NTS)

PLAN SHOWING THE PROPOSED CONSTRUCTION OF THE RESIDENTIAL BUILDING AT PLOT NO. 69 KVR NAGAR, 2ND STREET, KATHIRVEDU, CHENNAI-600 066, COMPRISED IN S.NO:26/5A PART, 26/5B PART (AS PER DOC.) S.NO.26/18 & 26/35 (AS PER PATTA) OF KATHIRVEDU VILLAGE GREATER CHENNAI CORPORATION DIVISION NO: 025 ZONE : 03

JOINERY DETAILS

MD	DOOR	1.00 x 2.10
D1	DOOR	0.90 x 2.10
D2	DOOR	0.76 x 2.10
O	OPENING	0.90 x 2.10
W	WINDOW	1.50 x 1.35
W1	WINDOW	1.20 x 1.35
W3	WINDOW	1.00 x 1.35
FD	FRENCH DOOR	2.40 x 2.10
V	VENTILATOR	0.60 x 0.60

SPECIFICATION :

BRICK WORK : SUPER STRUCTURE WITH MAIN WALL USING CM 15 MORTAR PARAPET WALL CM 1:4 MORTAR

WOOD WORK : MAIN DOOR TEAK, AND OTHER DOORS KONGU WOOD

RCC WORK : MINIMUM GRADE OF CONCRETE M25 (1:1:2)

FLOORING : ALL ROOM CERAMICS TILES FLOORING

PLASTERING WORK : PLASTERING WORK IN C.M. 1:4

WEATHERING COURSE : WEATHERING COURSE IN BRICK JELLY CONCRETE IN C.M WITH TWO COURSES OF FLAT TILES LAID TO DETAIL

COLOR INDEX

PROPOSED	ROAD	BOUNDARY
----------	------	----------

SCALE 1: 100

AREA DETAILS

S.NO.	PLOT AREA DETAILS IN SQ.M	
1	AS PER PATTA	300.00 sq.m
2	AS PER DOC.	278.70 sq.m

FLOOR AREA DETAILS IN SQ.M

S.NO.	FLOOR	F.S.I AREA
1	STILT FLOOR	
2	FIRST FLOOR	178.50
3	SECOND FLOOR	178.50
4	THIRD FLOOR	178.50
5	TOTAL	535.50
6	F.S.I	1.921

NO. OF DWELLING UNITS : 9 NOS.

CAR PARKING REQUIRED : 6 NOS.

CAR PARKING PROVIDED : 6 NOS.

TWO WHEELER PARKING REQUIRED : 10 NOS.

TWO WHEELER PARKING PROVIDED : 10 NOS.

OWNER

Tmt. R. PARIMALA, D.C.E., REGISTERED ENGINEER RE/GR-III/19/04/058 No. : 1E, 157, 5th Street, Periyar Nagar, Varadharajapuram, Chennai-600 048. CELL : 97890 96164

LICENSED SURVEYOR