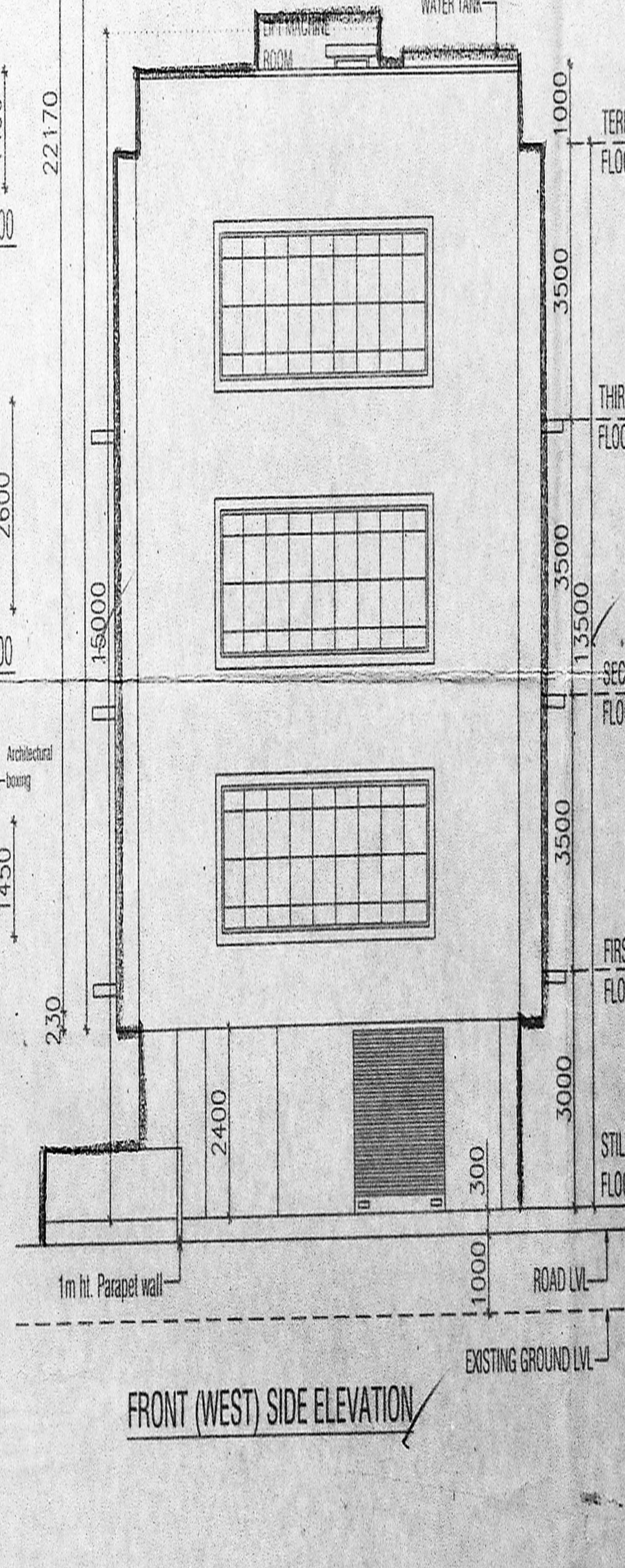
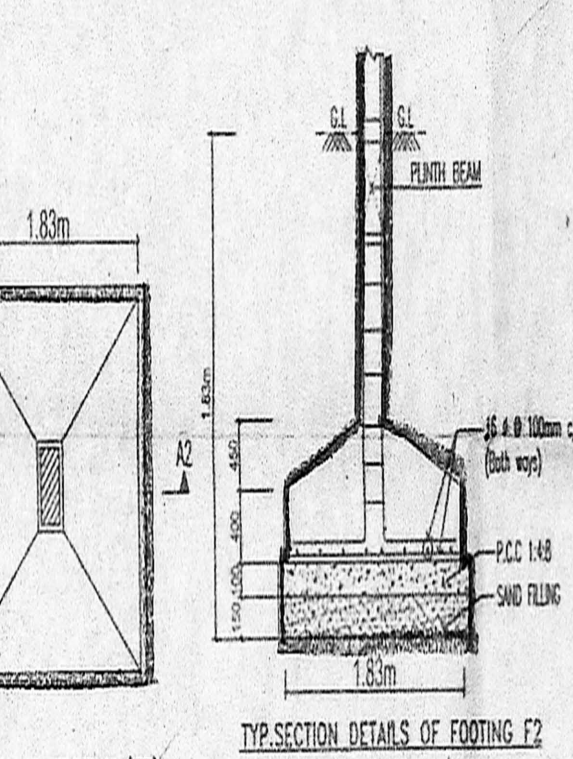
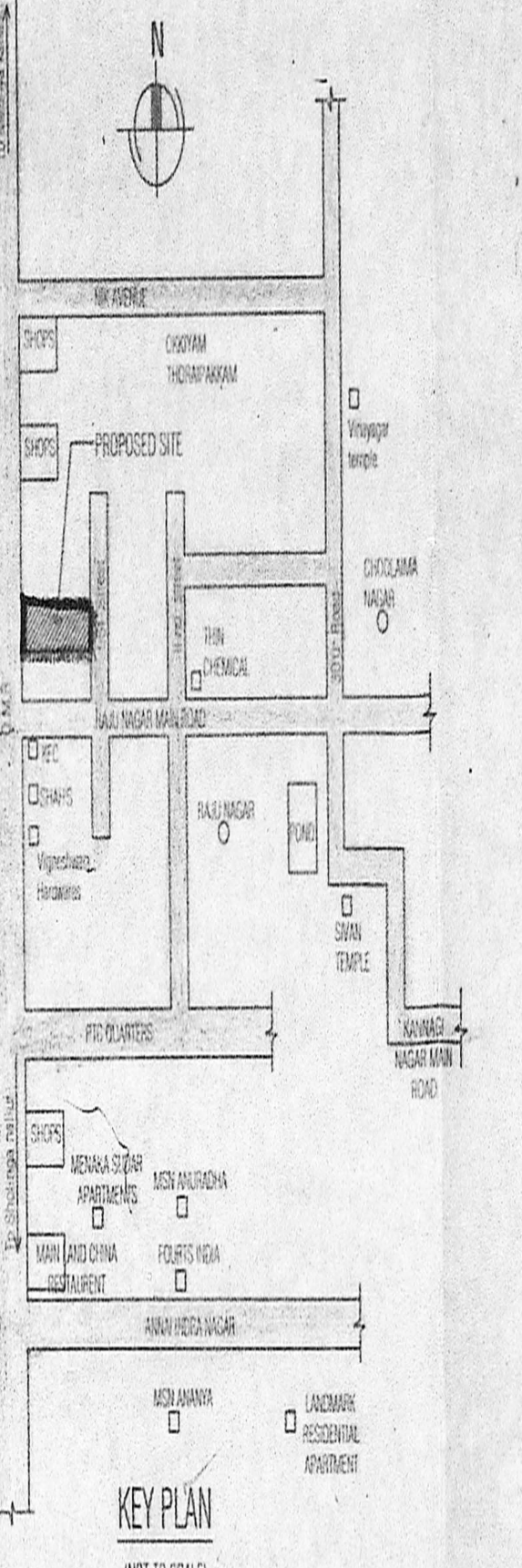


DESIGN OF SEPTIC TANK

No. of person	= 50
Rate of water supply	= 757500/L
Flow of sewage 50 X 75	= 6075 Lts
Detention	= 18 hours
Tank capacity (6075 X 18/24)	= 5073 Lts
Clearing once in a year sludge storage	= 6075 Lts
Capacity required (6075 + 5073)	= 12168 Lts
Assume Septic tank capacity as	= 12 Mts
Depth of Water	= 2.0 Mts
Free board	= 0.50 Mts
Total Depth	= 2.50 Mts
Area of Septic tank required (12/2)	= 6.0 Mts sq
Clear length of tank	= 6.0 Mts
Clear width of tank	= 2.0 Mts
Size of septic tank	= 6.0 Mts x 2.0 Mts x 2.0 Mts

UP FLOW FILTER

Discharge from septic tank	= 5213 Lts
Width of Filter	= 2.0 Mts
Depth of Filter	= 2.0 Mts
Length required (5213/20)	= 1.3 Mts
Two Nos. of Filters Provided (Length of each Filter)	= 1.3 Mts



SHEET NO: 1/2 DATE: 21.12.16 SCALE: 1:100 AT

PLAN SHOWING THE PROPOSED COMMERCIAL BUILDING AT 15 & 16, DOOR NO: 473, OLD MAHALIPIUAM ROAD, OKKIAM THORAIPAKKAM, CHENNAI COMPRISED IN OLD S.NO: 213 PART, NEW S.NO: 213/3 OF OKKIYAM THORAIPAKKAM VILLAGE, SHOLINGA NALLUR TALUK, WITH IN GREATER CHENNAI CORPORATION LIMIT. DIVISION NO: 194 ZONE NO: XV

FOUNDATION: RCC COLUMN IN LIME 1:1:2:3 ROOF SLAB: LIME 1:1:2:3 JONERY: COUNTRY WOOD WITH FLUSH DOORS AND COUNTRY WOOD FRAME WITH GLAZED WINDOW. FLOORING: MOSAIC FLOORING WEATHERING COURSE: 4% SLOPE IN CONCRETE LAID TO SLOPE USING 10mm PROOF TILES.

SCHEDULE OF JONERIES

NO.	DESCRIPTION	SIZE
ED1	ENTRANCE DOOR	2400 x 2450
ED2	ENTRANCE DOOR	2000 x 2450
RS	ROLLING SHUTTER	3000 x 2450
D1	DOOR	900 x 2150
D2	DOOR	750 x 2150
W1	WINDOW	2700 x 1650
W2	WINDOW	1200 x 1650
V1	VENTILATOR	900 x 300

AREA PARTICULARS

AS PER DOCUMENT	891.86 sq.m
AS PER PATTI	900.00 sq.m
AS PER SUPER IMPOSED / LEAST AREA	890.04 sq.m
F.S.I AREA in Sq.m	

BASEMENT AREA	
FIRST FLOOR AREA	365.64
SECOND FLOOR AREA	365.64
THIRD FLOOR AREA	181.65
EXCESS NON FSI AREA	4.55
TOTAL FLOOR AREA	917.48
F.S.I	1.031
TOTAL NO. OF CAR PARKING REQUIRED	= 8 nos.
TOTAL NO. OF CAR PARKING PROVIDED	= 14 nos.
TOTAL NO. OF TWO WHEELER PARKING REQUIRED	= 31 nos.
TOTAL NO. OF TWO WHEELER PARKING PROVIDED	= 59 nos.

COLOUR INDEX:

BOUNDARY	—
PROPOSED	—
ROAD	—

NOTE: 1. ALL MEASUREMENTS ARE IN MILLIMETERS

OWNER: *[Signature]*

LICENSED SURVEYOR: *[Signature]*

S. SHANKARANARAYANAN B.Arch.
Council of Architecture
Regst. - CA / 97 / 21841
Registered Architect No. 24
Corporation of Madras