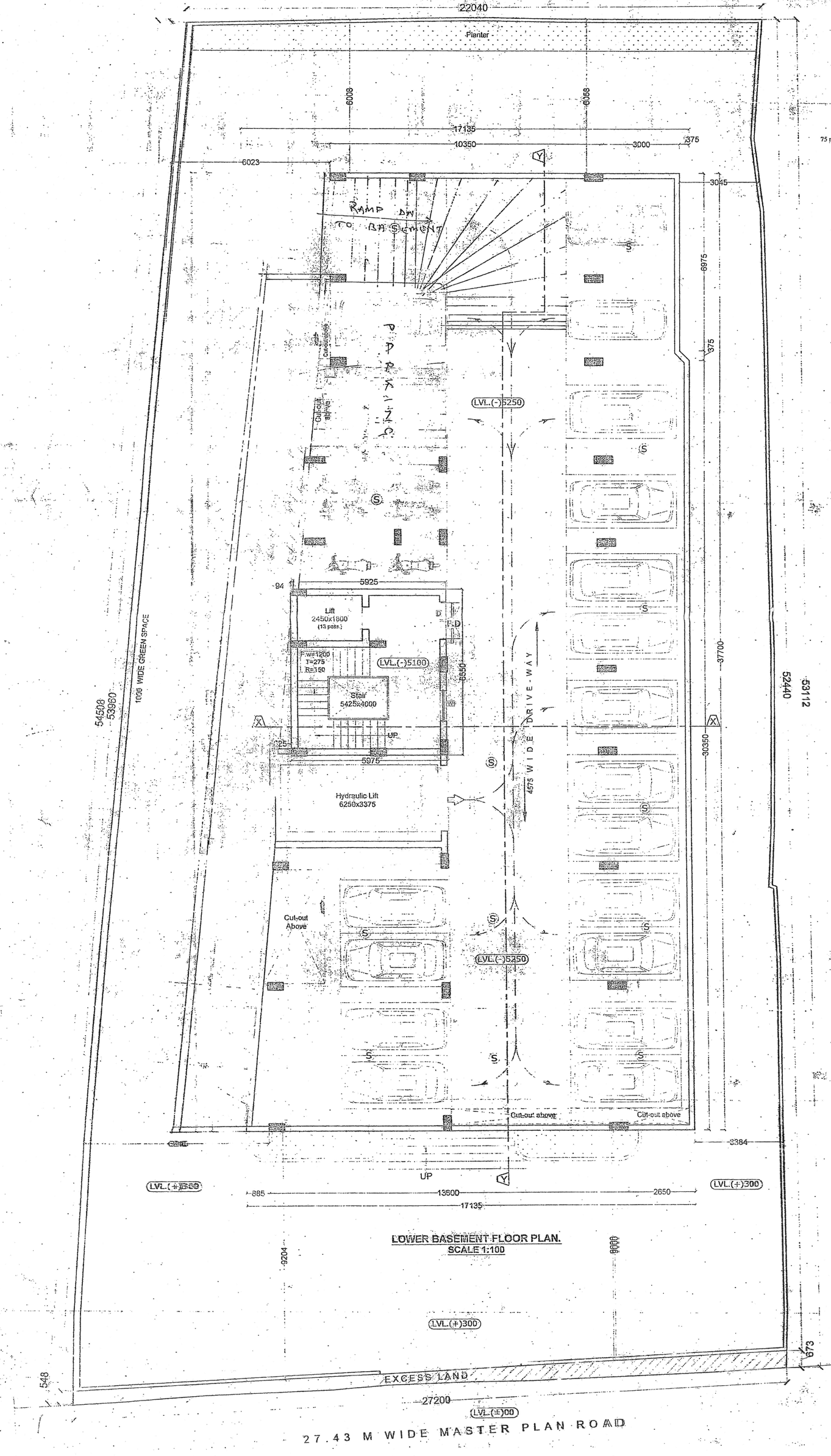
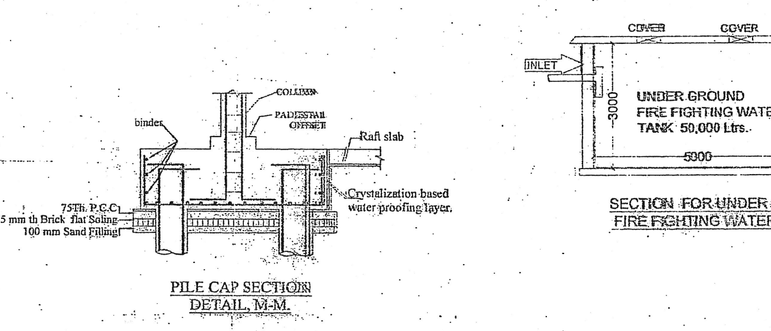
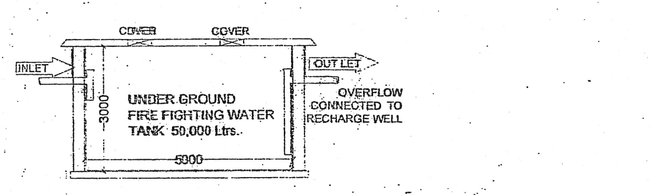
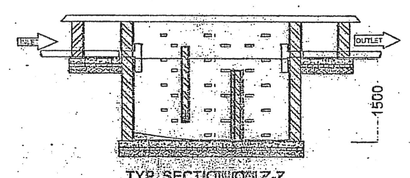




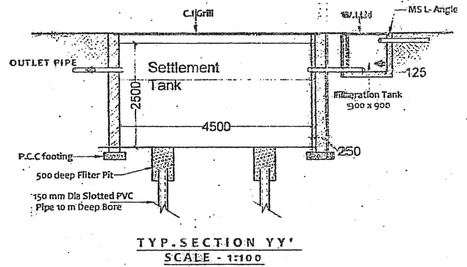
PILE CAP SECTION DETAIL MAP.



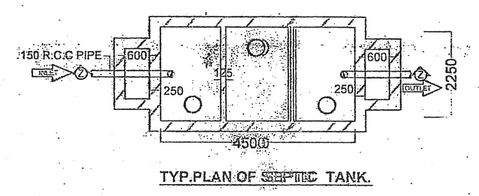
SECTION FOR UNDER GROUND FIRE FIGHTING WATER TANK



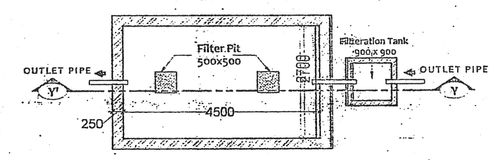
TYP. SECTION Z-Z



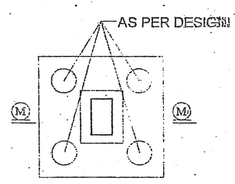
TYP. SECTION YY'
SCALE - 1:100



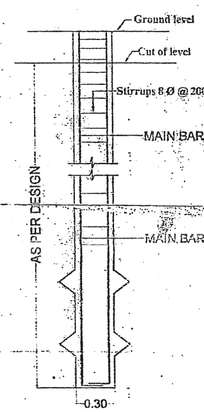
TYP.PLAN OF SEPTIC TANK.



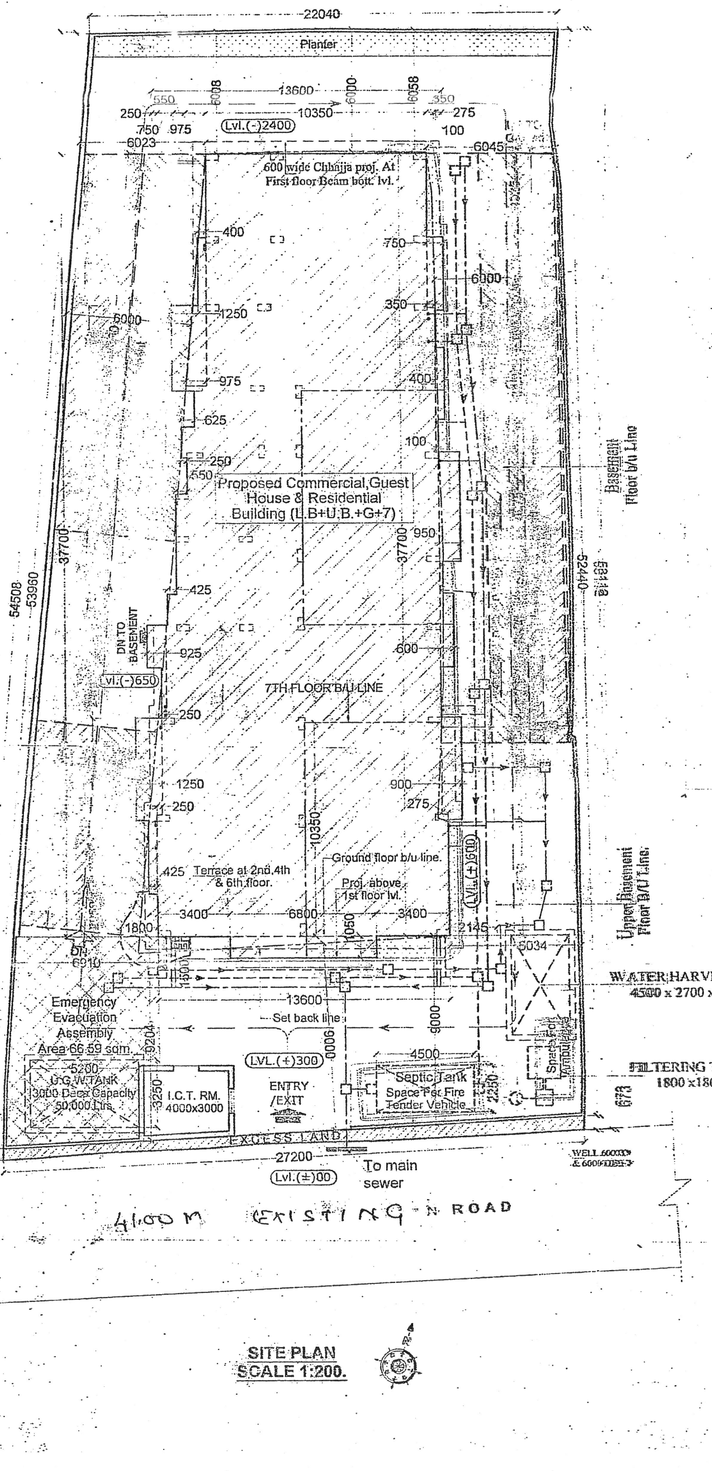
TYP. PLAN OF RAINWATER HARVESTING TANK.
SCALE - 1:100



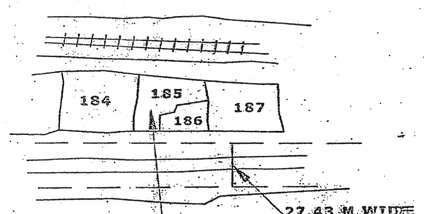
TYP. DETAIL OF FOUNDATION.



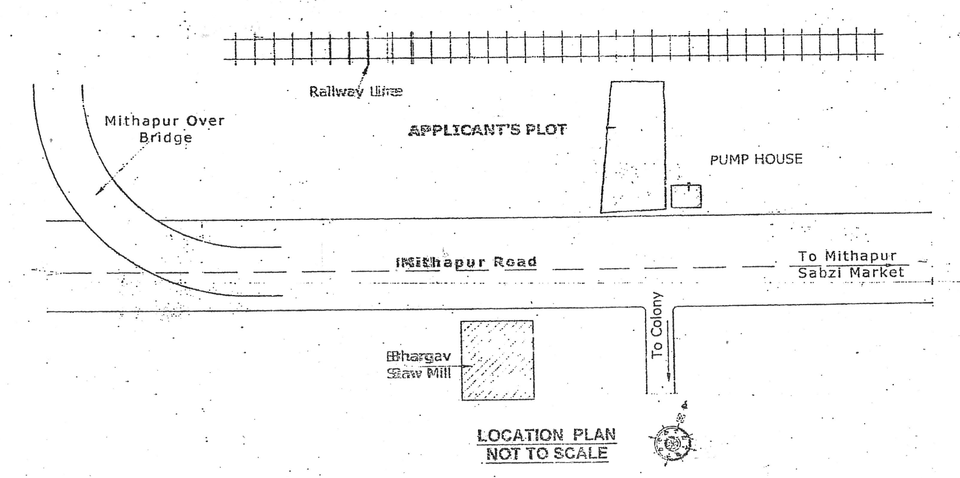
TYP. DET. OF PILE FOUNDATION



SITE PLAN
SCALE 1:200.



KEY PLAN
SCALE =1"=330'0"



LOCATION PLAN
NOT TO SCALE

SPECIFICATION :-

01) FOUNDATION :- R.C.C. PILE FOUNDATION AS/STRUCTURAL DESIGN.
02) SUPER STRUCTURE :- R.C.C. FRAMED STRUCTURE AS/STRUCTURAL DESIGN.
03) BRICKWORK : 250 THK. & 125 THK.1ST CLASS BRICKWORK AND CEMENT BLOCK OF SIZE-200 x 200 x 600 & 100 x 200 x 600
04) FLOORING :- MOSAIC CAST-IN-SITU FLOORING IN GREY CEMENT IN ALL AREA.

05) WALL FINISH :-
(i) INTERNAL - ALL INTERNAL SURFACE SHALL BE PAINTED WITH CEMENT PRIMER OVER FLOAT FINISH OF P.O.P.
(ii) EXTERNAL - ALL EXTERNAL SURFACE SHALL BE PAINTED WITH TEXTURE PAINT OVER A SURFACE OF EXTERIOR GRADE PRIMER.

06) DOOR :-
(i) FRAME - 65X100 TH. SAL WOOD DOOR FRAME.
(ii) SHUTTER-35MM TH. SOLID CORE FLUSH DOOR OF I.S.I.MARK AS/DESIGN

07) WINDOW-
(i) FRAME - 65X100 TH. SAL WOOD/ALUMINIUM WINDOW FRAME
(ii) SHUTTER- FULLY GLAZED HARD WOOD/ALUMINIUM WINDOW SHUTTER AS/DESIGN.

08) TOILETS :-
(i) FLOORING - CERAMIC TILES FLOORING .
(ii) WALLS - CERAMIC TILES DADO UPTO 1500HT.
(iii) SANITARY WARE - WHITE GLAZED VITREOUS SANITARY WARE OF I.S.I MARK.
(iv) FITTING - CHROMIUM PLATED C.P.FITTINGS OF I.S.I MARK.

09) ELECTRICAL :-
(i) ALL INTERNAL WIRING IN CONCEALED CONDUITS WITH COPPER CONDUCTOR.
(ii) ALL ELECTRICAL MODULAR SWITCHES OF I.S.I MARK
(iii) ADEQUATE LIGHTING/POWER POINT SOCKETS AS/ DESIGN & DRAWING.

10) WATER SUPPLY :- ROUND THE CLOCK WATER SUPPLY BY MEANS OF OWN BORING & OVERHEAD TANK.

FIRE LEGEND :-

01.100MM DIA HYDRANT OUT LET VALVE
02.HOSE REEL
(A) 38 MM DIA WITH 63 MM COUPLING
(B) 25 MM DIA 45M LENGTH WITH 6.5 MM NOZZLE
03.SEMAC CONNECTED FOR FIRE BRIGADE CONNECTED TO HYDRANT
04.ELECTRICALLY INSULATED METAL STRIP
05.O.H.W.TANK FOR FIRE FIGHTING — 10,000 Ltrs.
06.UNDER GROUND TANK OF — 50,000 Ltrs.
07.FIRE ALARM CALL POINT — FL
08.AUDIABLE ALARM POINT — FL
09.LOUDSPEAKER OUTLET — SO
10.CO2 FIRE EXTINGUISHER — CO2/DCP
11.FIRE RESISTANT DOOR — FD
12.AUTOMATIC SPRINKLER — S
13.AUTOMATIC SMOKE DETECTOR — SD AI

LEGEND :-

01.	⊖	100 Ø PVC SOIL STACK PIPE
02.	⊕	100 Ø PVC WASTE STACK PIPE
03.	○	100 Ø PVC RAIN WATER STACK PIPE

Setbacks detail:-

BUILDING HT. UP TO 27 M
OR PLOT AREA MORE THAN 1000 SQM.
FRONT SETBACKS 9.0 M
SIDE & REAR SETBACKS =6.0 M

PARKING CALCULATION :-

TOTAL COMMERCIAL / GUEST HOUSE B/U AREA = 2185.60 m²
TOTAL RESIDENTIAL B/U AREA = 1068.61 m²

PARKING AREA REQ. @ 30% OF COMMERCIAL/ GUEST HOUSE B/U AREA, SO PARKING AREA REQ. = 2185.60 x 30% = 655.68 m²
PARKING AREA REQ. @ 25% OF RESIDENTIAL B/U AREA, SO PARKING AREA REQ. = 1068.61 x 25% = 267.15 m²

TOTAL REQUIRED PARKING AREA = 922.83 m²

Provided Lower Basement Floor Parking Area = 654.81
Upper Basement Parking Area = 452.35 m²
= 907.16

TOTAL PARKING AREA PROVIDED = 1311.62 m²

POPULATION DENSITY CALCULATION :-

COMMERCIAL :-
TOTAL COMMERCIAL B/U AREA = 693.74 sqm.
TOTAL CARPET AREA = 346.87 sqm.
TAKING DENSITY OF 6 sqm. CARPET AREA PER PERSON = 346.87/6 = 57.81 ,SAY 58 PERSON.

GUEST HOUSE :-
NO. OF GUEST ROOM AT 2nd FLOOR = 11 nos.
NO. OF GUEST ROOM AT 3rd FLOOR = 11 nos.
NO. OF GUEST ROOM AT 4th FLOOR = 11 nos.
NO. OF GUEST ROOM AT 5th FLOOR = 03 nos.

TOTAL NO. OF GUEST ROOM = 36 nos.
EACH ROOM HAVING 2 PERSON ,
SO TOTAL NO. OF PERSON = 36 x 2 = 72 nos.

RESIDENTIAL :-
TOTAL NO. OF FLAT = 9 nos.
EACH FLAT HAVING 5 PERSON
SO TOTAL NO OF PERSON = 9 x 5 = 45 nos.

GRAND TOTAL NO. OF PERSONS = 58 + 72 + 45 = 175 nos.

SEPTIC TANK CALCULATION:-

TOTAL NO. OF PERSON = 175 nos.
PER PERSON NEED 0.085 CUM. CAPACITY OF SEPTIC TANK PER DAY SO TOTAL REQ. CAPACITY OF SEPTIC TANK = 175 x 0.085 = 14.875 cum.

PROVIDED SEPTIC TANK 1 NO. OF SIZE = 4500 x 2250 x 1500 = 15.18 CUM.

WATER TANK CALCULATION:-

FOR COMMERCIAL :-
TOTAL NO. OF PERSON = 58 nos.
EACH PERSON NEED 45 Ltrs per Day= 58 x 45 = 2,610.00 Ltrs.

FOR GUEST HOUSE :-
TOTAL NO. OF ROOMS = 36 nos.
EACH ROOM NEED 180 Ltrs PER DAY
SO TOTAL ROOM NEED = 36 x 180 = 6,480.00 Ltrs

FOR RESIDENTIAL :-
TOTAL NO. OF PERSON = 45 nos.
PER PERSON NEED 135 Ltrs PER DAY
TOTAL PERSON NEED = 45 x135 = 6,075.00 Ltrs.

& WATER TANK REQ. FOR FIRE FIGHTING = 10,000.00 Ltrs.

TOTAL REQ. WATER TANK
= 2,610 + 6,480 + 6,075 + 10,000 = 25165.00 Ltrs.

PROVIDED WATER TANK 1 nos. of Capacity
= (5,425 x 4,000 x 1,200) + 300 = 26,000.00 Ltrs.

EMERGENCY EVACUATION ASSEMBLY AREA CALCULATION :-

TOTAL NO OF PERSON = 175 nos.
AREA REQ. FOR ONE PERSON TO STAND = 0.36 sqm.
AREA REQ. FOR 175 Person = 175x0.36 = 63.00 sqm.

PROVIDED EMERGENCY EVACUATION ASSEMBLY AREA = 66.69 sqm.

WATER HARVESTING SUMP CALCULATION :-

TERRACE FLOOR AREA = 502.33 sqm.

RAIN WATER HARVESTING SUMP REQ. 6 CUM FOR EVERY 100 SQM. TERRACE AREA, SO TOTAL REQ. CAPACITY OF SUMP = 5.02 x 6 = 30.12 CUM.
PROVIDED TANK SIZE = 4500 x 2700 x 2500 = 30.37 cum

GREEN SPACE AREA CALCULATION :-

TOTAL NET PLOT AREA = 1313.79 m²

GREEN AREA REQUIRED @ 10% OF TOTAL PLOT AREA = 131.38 m²,

PROVIDED GREEN SPACE AREA AT
UPPER BASEMENT FLOOR LVL = 24.08 m².
FINISH GROUND LVL. = 40.75 m².
SEVENTH FLOOR LVL. = 36.50 m².
& TERRACE FLOOR LVL. = 46.99 m².

TOTAL GREEN SPACE AREA = 148.32 m².

AREA CALCULATION:-

TOTAL PLOT AREA = 1325.325 m²
EXCESS LAND AREA = 19.96 m²
NET PLOT AREA = 1305.365 m²

Floor	Commercial	Residential
Lower Basement floor	38.81 sqm.	----
Upper Basement floor	30.46 sqm.	----
Ground floor	357.80 sqm.	----
First floor	269.35 sqm.	----
Second floor	452.35 m²	----
Third floor	452.35 m²	----
Fourth floor	452.35 m²	----
Fifth floor	140.13 m²	312.13 sqm.
Sixth floor	----	452.35 sqm.
Seventh floor	----	304.13 sqm.
Total	2186.20 m²	1068.61 sqm.

Total All floor B/U Area = 3255.01 m²

F.A.R = 2.49

Residential b/u area = 32.83% of Total Area

Project Name :- KAPIL RESIDENCY

NAME OF THE OWNERS
SRI RATNA DEVA SAHAY
SRI JYOTINDRA MOHAN SAHAY
SRI ARVIND MOHAN SAHAY
SRI KAMAL DEO SAHAY

PERMANENT ADDRESS
SAHAY SADAN, MITHAPUR, PATNA

CORRESPONDENCE ADDRESS
APNA AWAS CONSTRUCTION PVT.LTD
001, SHREERAM ENCLAVE, KTAB BHAWAN LANE, NORTH E.K.PURI, PATNA - 800013
CONTACT NO- 9835030164, 0612-2570419

PLOT DETAIL
PROPOSED RESIDENTIAL CUM COMMERCIAL BUILDING
AT MOUZA :- MITHAPUR
PARGANA :- AZIMABAD, P.S-KOTWALI,
PRESENT P.S JAKKANPUR ,P.S CODE -167,
ZONE -3 ,SURVEY PLOT NO - 185 ,
TAUZI NO - 693, THANA NO - 19
KHAGAUL ROAD, MITHAPUR

BOUNDARY :-
NORTH :- RAILWAY LINE
SOUTH :- ROAD
EAST :- HOUSE OF SARISIDDAN BOSE & OTHERS
WEST :- HOUSE OF LAND BELONGING TO BABU RAGHUNANDAN PRASAD

SHEET NO.	SCALE.	NORTH.
P.M.C.-01/05	1 : 100 1 : 200	

SIGNATURE OF OWNER

SIGN. OF EMPANELLED STRUCT. ENGINEER.

DEVASHISH
(Empaneled Architect)
Enrd. No.-AR/2615
Patna Nagar Nigam
SIGN. OF EMPANELED ARCHITECT.

PATNA MUNICIPAL CORPORATION
PATNA REGIONAL DEVELOPMENT AUTHORITY (DISSOLVED)
Case No. PMC/PRDA/17/2020-21/16
Sanction of Plan Accorded under Section 314, 315, 316 & 317 of the Bihar Municipal Act 2007 by the Municipal Commissioner, Patna on 05/01/19
SANCTION OF PLAN ACCORDED

गुलाम रब्बानी
उप निदेशक,
पटना नगर निगम
15/1/19