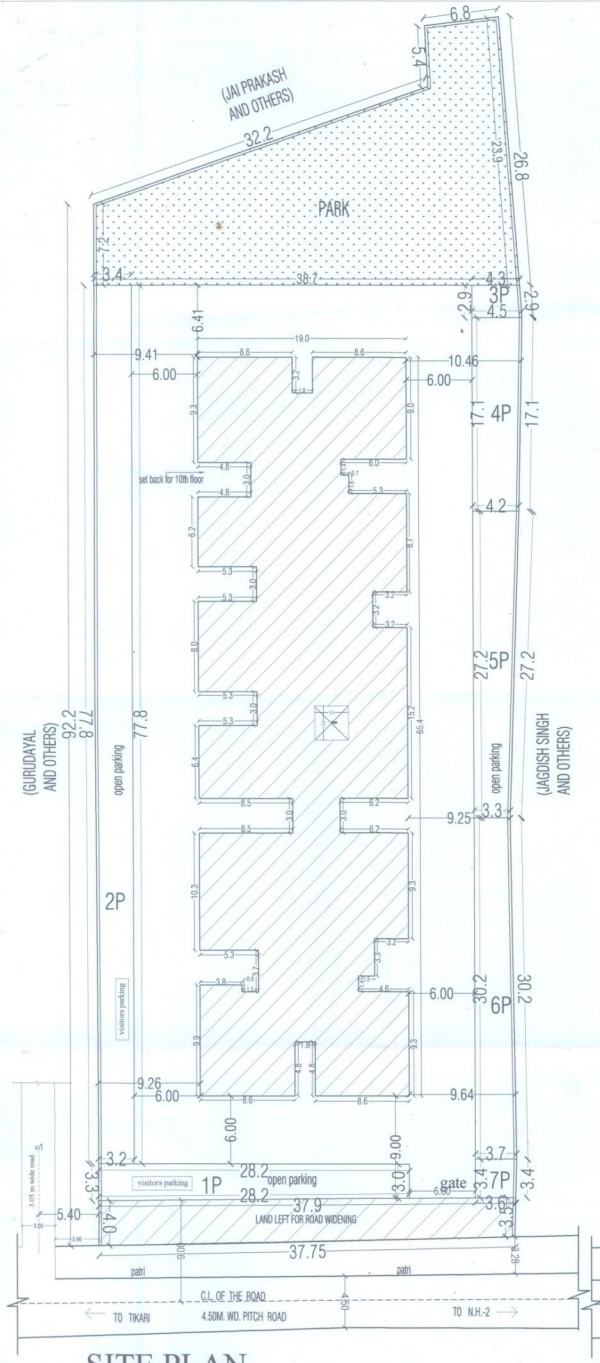
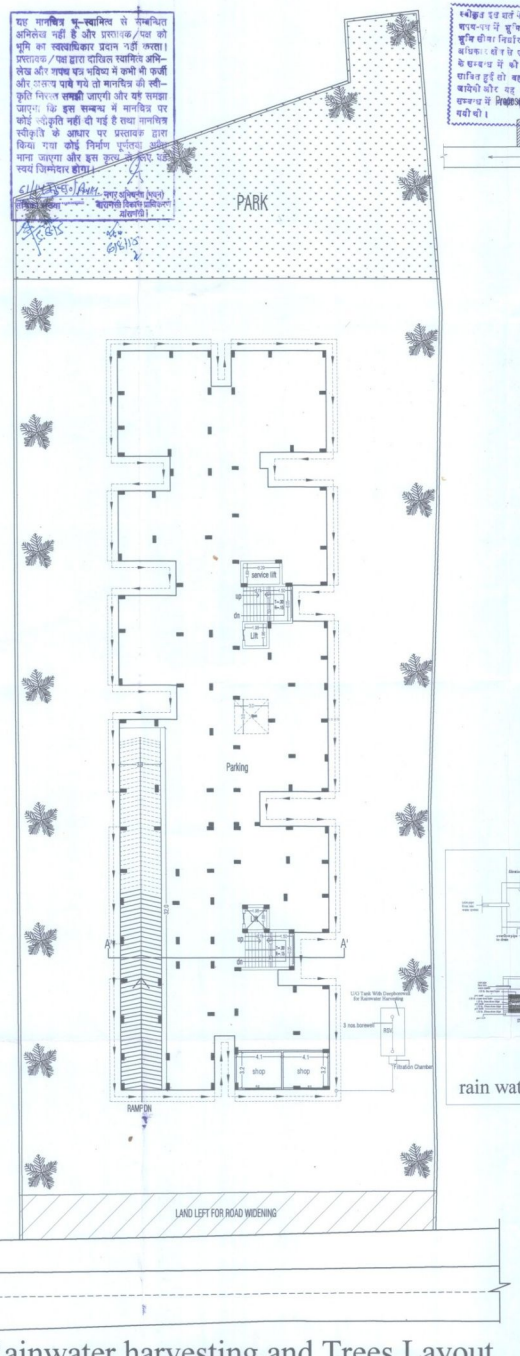
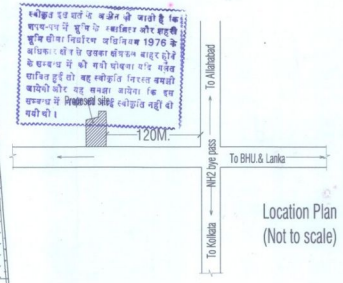


SITE PLAN



Rainwater harvesting and Trees Layout



Location Plan
(Not to scale)

Area Calculation

Total Plot Area as per site = 3771.99 sqm
Left For Road Widening = 140.71 sqm
Net Plot Area = 3771.99-140.71 = 3631.28 sqm.
Total Covered Area/floor = 1061.70 sqm.
permissible ground coverage = 40%
ground coverage achieved = $\frac{1061.70*100}{3631.28}$ = 29.23%

Covered Area :-
Shop Area on Stilt floor(2no.) = 8.59x3.49 = 29.98sqm.
Covered Area on 1st Floor = 1061.70 sqm.
Covered Area on 2nd Floor = 1061.70 sqm.
Covered Area on 3rd Floor = 1061.70 sqm.
Covered Area on 4th:-Floor = 1061.70 sqm.
Covered Area on 5th Floor = 1061.70 sqm.
Covered Area on 6th Floor = 1061.70sqm.
Covered Area on 7th Floor = 1061.70 sqm.
Covered Area on 8th Floor = 1061.70 sqm.
Covered Area on 9th Floor = 546.67 sqm.
Total Covered Area = 9070.25 sqm.

permissible F.A.R = 2.50
achieved F.A.R. = 9070.25/~~3636.82~~ 3631.28 = 2.497

CAR PARKING required
$\frac{9070.25}{100}$ x 1.5 = 136.05ecu's
of the above 10% (13.61 say 14 ecu's)to be reserved for visitors parking

Car Parking provided
Basement area = 1954.43 sqm.- 453.74 sqm (mechanical parking)
basement mechanized parking = $\frac{1500.69}{32}$ = 46.89 ecu's say 47 ecu's
basement mechanized parking = $\frac{453.74}{16}$ = 28.35 ecus say 28 ecu's
Stilt floor area(for parking) = 19 m x 65.4 m - 29.98sqm(shop)
= 1242.60 sqm - 29.98 sqm = 1212.62 sqm
stilt parking provided = $\frac{1212.62}{28}$ = 43.30 ecu's say 43 ecu's
OPEN PARKING PROVIDED = $\frac{652.82 \text{ sqm}}{23}$ = 28.38 ecu's say 28 ecu's
TOTAL PARKING PROVIDED = 146 ecu's

PARK AREA-
15% PARK AREA (3631.28X.15(requirement) = 544.69 sqm.
TOTAL provided = 551.81 SQM

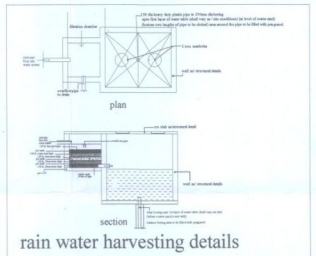
10000 sqm. = 50 trees
3636.82 sqm. = $\frac{3636.82 \times 50}{10000}$
= 18.18
Requirement of trees = 18.18
Provided Trees = 19

OPEN PARKING AREA CALCULATION

1P - 28.20 X $\frac{3.30+3.00}{2}$ = 3.15X 28.20 = 88.83
2P- 77.80 x $\frac{3.40+3.20}{2}$ = 3.30X 77.80 = 256.74
3P- 2.90X$\frac{4.30+4.50}{2}$ = 4.40X2.90 = 12.76
4P- 17.10 X $\frac{4.50+4.20}{2}$ = 4.35X17.10 = 74.38
5P- 27.20X$\frac{4.20+3.30}{2}$ = 3.75X27.20 = 102.00
6P- 30.20X$\frac{3.30+3.70}{2}$ = 3.50X30.20 = 105.70
7P- 3.40X $\frac{3.70+3.60}{2}$ = 3.65X3.40 = 12.41

TOTAL OPEN PARKING PROVIDED = 652.82 SQM

NO.OF UNITS:-
1st to 7th floor = 11unit X 7 = 77
8th floor = 9unit X 1 = 09
9th floor = 4unit X 1 = 04
Total = 90 units



rain water harvesting details

Basement Mechanized Parking Areas:-
1- 26.69x 10.7 = 285.58 - 10.80 = 274.78 sqm
2- 15.4 x 7.6 = 117.04
3- 8.6 x 7.2 = 61.92
Total = 453.74 sqm.

Murnty Area:-
23.76+26.25 = 50.01 sqm.
Machine room Area:-
13.44+14.16+11.44 = 39.04 sqm.
Water Tank Area:-
20.79+19.80 = 40.59 sqm.

Murnty Area:-
23.76+26.25 = 50.01 sqm.
Machine room Area:-
13.44+14.16+11.44 = 39.04 sqm.
Water Tank Area:-
20.79+19.80 = 40.59 sqm.

(SCALE 1:200)

Proposed Group Housing Building Plan for,
Smt. Indu Singh,Ajay Kumar Singh,Jitendra Kumar, Munna Lal,Rajan Kumar Patel ,Babloo Kumar Patel,Gurudayal Yadav,Rahul Yadav
Sm.Plot No. 230,
Mauza - Nuwan
Pargana- Dehat , Amanat
Tehsil & District- Varanasi.

SIGNATURE OF OWNER:-

SIGNATURE OF ARCHITECTS:-

KISHORE KAPOOR
ARCHITECT
Council of Architecture
Reg. No. CA/87/10966

sheet no. 1 of 7