

PLAN OF SEPTIC TANK

SECTION ON Z-Z

1.50

TYP. DET. OF PILE FOUNDATION

RECHARGE BORE WELL SECTION A-A

TYP PLAN OF RECHARGE BORE WEL

45.00 M. WIDE ROAD

SECTION FOR UNDER GROUND

Location Plan
Scale: NTS



The location map shows a circular area with a central point, surrounded by a larger circle. The central point is labeled '1' and the larger circle is labeled '2'. The map is oriented with North at the top, indicated by a compass rose. The map is labeled 'Location Plan' and 'Scale: NTS'.

010102

AREA CALCULATION :-

TOTAL PLOT AREA AS/ DEED = 10733.48 sqm.

TOTAL PLOT AREA AS/ SITE = 10733.43 sqm.

B/U Area	Block-E		Block-A	Block-B	Block-C	Block-D
	RESIDENTIAL	COMMERCIAL				
Upper Basement Floor Area	33.44 sqm.	0.00	9.50 m²	9.50 m²	8.36 m²	8.36 m²
Ground Floor Area	x x x x	1556.76 sqm	44.01 m²	44.01 m²	48.73 m²	66.90 m²
First Floor Area	x x x x	1556.76 sqm	795.12 m²	795.12 m²	694.02 m²	975.39 m²
Second Floor Area	x x x x	1556.76 sqm	795.12 m²	795.12 m²	694.02 m²	975.39 m²
Third Floor Area	x x x x	1556.76 sqm	795.12 m²	795.12 m²	694.02 m²	975.39 m²
Fourth Floor Area	1410.91 sqm.	x x x x	795.12 m²	795.12 m²	694.02 m²	975.39 m²
Fifth Floor Area	1410.91 sqm.	x x x x	795.12 m²	795.12 m²	694.02 m²	975.39 m²
Sixth Floor Area	1410.91 sqm.	x x x x	795.12 m²	795.12 m²	694.02 m²	975.39 m²
Seventh Floor B/U Area	723.17 sqm.	x x x x	795.12 m²	795.12 m²	694.02 m²	975.39 m²
Eighth Floor B/U Area	x x x x	x x x x	795.12 m²	795.12 m²	694.02 m²	975.39 m²
Total B/U Area	4989.34 sqm.	6227.04 sqm.	6414.47 m²	6414.47 m²	5609.25 m²	7878.38 m²

TOTAL AREA OF APPROVED BLOCK+ PROPOSED BLOCK :- (A+B+C+D+ E)= 37532.95 m²

FAR= 37532.95 /10733.43= 3.49

PARKING CALCULATION :-

TOTAL B / U AREA = 37,532.95 m²
@15 % DUDECT FOR SERVICE AREA =(37532.95-4629.94)=31,903.01 m²
NET B/U AREA=31903.01 m²
REQ. PARKING AREA @25 % OF NET B/U AREA
=31903.01 X 25% =7975.75 m
(REQUIRED)

Provided	Block-A	Block-B	Block-C	Block-D	BLOCK-E
Basement Floor Plan	904.36 m²	904.36 m²	801.77 m²	1093.44 m²	(1536.73 X 2) =9073.48 SQM. (Double door parking)
Ground Floor Plan	869.85 m²	869.85 m²	761.74 m²	1035.24 m²	X X X

TOTAL PROVIDED PARKING AREA BLOCK (COMMERCIAL+A+B+C+D +DUPEX) = 10314.02 m² (PROVIDED)

POPULATION DENSITY CALCULATION :-

RESIDENTIAL :-

TOTAL NO. OF FLAT (BLOCK -E) = 36 NOS.
TOTAL NO. OF FLAT (BLOCK -A) = 64 NOS.
TOTAL NO. OF FLAT (BLOCK -B) = 64 NOS.
TOTAL NO. OF FLAT (BLOCK -C) = 64 NOS.
TOTAL NO. OF FLAT (BLOCK -D) = 96 NOS.

TOTAL NO. OF FLAT = 324 NOS.
EACH FLAT HAVING 5 PERSON
SO TOTAL NO. OF PERSON =324 X 5 = 1620 NOS.

COMMERCIAL

TOTAL B/U AREA = 4227.04 SQM.
TOTAL CARPET AREA=4227.04 / 2 =3113.52 SQM.
TAKING DENSITY OF 6 SQM. CARPET AREA PER PERSON
= 3113.52 / 6 =518.92, SAY 519 PERSON.
TOTAL NO. OF PERSON= (COMMERCIAL + RESIDENTIAL)
=1620+519=2139 PERSON

SEPTIC TANK CALCULATION :-

TOTAL NO. OF PERSON = 2139 PERSON.
PER PERSON NEEDED 0.085 CUM. CAPACITY OF SEPTIC TANK PER DAY SO TOTAL REQ. CAPACITY
TOTAL PERSON NEEDED =2139 X 0.085 = 181.81 CUM.
TOTAL REQ. SEPTIC TANK CAPACITY = 181.81 CUM. (REQUIRED)

(PROVIDED)

(PROVIDED)PROVIDED SEPTIC TANK SIZE = 5 NOS = (7'00 X 3'0 X 1'80)X5 = 189.00 CUL. (PROVIDED)

FIRE LEGEND :-

01. HYDRANT OUT LET VALVE WET.....
02. HOSE REL.....
03. SMOKE CONNECTED FOR FIRE BRIGADE.....
04. ELECTRICALLY INSULATED METAL STRIP.....
05. UNDER GROUND TANK OF 2,00,000 Ltrs.....
06. H.W. TANK FOR FIRE FIGHTING.....
07. FIRE ALARM CALL POINT.....
08. FIRE ALARM CALL POINT.....
09. AUDIBLE ALARM CALL POINT.....
10. CO2 FIRE EXTINGUISHER.....
11. FIRE RESISTANT DOOR.....
12. AUTOMATIC SMOKE DETECTOR.....
13. AUTOMATIC SPRINKLER.....
14. EMERGENCY LIGHT POINT.....

GREEN SPACE CALCULATION :-

TOTAL NET PLOT AREA = 10,733.43 sqm.
GREEN AREA REQUIRED @20% OF TOTAL PLOT AREA =2146.68 sqm.

PROVIDED GREEN SPACE AREA = 2265.32 sqm.

WATER HARVESTING SUMP CALCULATION :-

TERRACE FLOOR AREA = 5083.10 sqm.
RAIN WATER HARVESTING SUMP REQ. CUM FOR EVERY 100 SQM. TERRACE AREA, SO TOTAL REQ. CAPACITY OF SUMP = 50.83x 6 = 304.98 CUM.
PROVIDED TANK SIZE (3 NOS)
=5'00 X 5'00 X 5'00(X)3 = 375.00 cum (PROVIDED)

PLOT DETAIL:-

PROPOSED RESIDENTIAL CUM COMMERCIAL BUILDING FOR "UJWAL HOMES PVT. LTD." DIRECTOR- SRI ALOK KUMAR,
AT SURVEY PLOT NO.- 201,292,302,&312, THANA NO-126,KHATA NO.- 247,252,219,206. MAUZA- SOHAGI, THANA - PHULWARI,(OLD), THANA - GAURICHA(NEW), DIST.- PATNA

SCALE

NORTH

1 100

1 200

AR. Umashankar Kumar
Registered Architect
Reg. No.-CA/2011/54023

SIGNATURE OF BUILDER/ DEVELOPER

SIGN. OF EMpaneled ARCHITECT.