

TYP PLAN OF
RECHARGE BORE WELL

FIRE LEGEND :-

01 HYDRANT OUT LET VALVE WET
02 HOSE REEL
03 SMACC CONNECTED FOR FIRE BRIGADE CONNECTED TO WET RISER
04 ELECTRICALLY INVIGILATED METAL STRIP
05 UNDER GROUND TANK OF 1,00,000 LTRS. --- 50,000 LTRS
06 O.H.W. TANK FOR FIRE FIGHTING ---- 50,000 Ltrs(Earth Quake)
07 INDICATOR PANEL
08 FIRE ALARM CALL POINT
09 ALOMA LIKE ALARM CALL POINT
10 LOUDSPEAKER OUTLET
11 CO2 FIRE EXTINGUISHER
12 FIRE RESISTANT DOOR
13 AUTOMATIC SMOKE DETECTOR
14 AUTOMATIC SPRINKLER
15 FIRE HYDRANT

SEPTIC TANK CALCULATION :-

TOTAL NO. OF FLAT = 102
TOTAL NOS OF POPULATION = 102 X 5 = 510 (PERSON)
1 PERSON 0.090 CU.M / PERSON / DAY
510 X0.090 = PERSON NEED 43.38 CU. M
= 45.90 CU. M(apx.)
CAPACITY OF SEPTIC TANK
SIZE OF SEPTIC TANK =
BLOCK-A=4.65 X 2.50 X 1.80 = 21.82 CU.M
BLOCK-B=4.65 X 2.50 X 1.80 = 21.82 CU.M

TOTAL SEPTIC TANK SIZE = 43.65 CU. M (PROVIDED)

PARKING CALCULATION:-

AT FLOOR B/U AREA =8139.60 SQM
PARKING AREA REQUIRD @ 25% OF B/U AREA
SO TOTAL PARKING AREA REQ.
= 8139.60 X 25% =2034.90 SQM

PROVIDE GROUND PARKING AREA

BLOCK-A =3445.55SQM
BLOCK-B =1016.12 SQM

OPEN PARKING BLOCK-A BETWEEN BLOCK-B =370.50 SQM

TOTAL PARKING AREA =3085.97SQM

GREEN SPACE AREA CALCULATION :-

TOTAL NET PLOT AREA = 9416.38 SQM
GREEN AREA REQUIRED @ 10% OF
TOTAL PLOT AREA= 317.50 SQM
SIDE SETBACKS, BACK SETBACK GREEN AREA=322.49
PROVIDE GREEN SPACE AREA= 322.49SQM

WATER TANK CALCULATION :-

TOTAL NO. OF FLAT = 102
EACH FLOOR HAVE = 17 FLAT
17 NOS OF FOOD AT EACH FLOOR = 5 PERSON
EACH PERSON NEED = 135 LTR. PER DAY = 135 X 5 = 675 LTR.
675 X 17 = 11475 LTR.
AS PER FIRE FIGHTING = 50000 LTRS.
TOTAL REQUIRED OF WATER (DRINKING+FIRE) = 61500 LTR.
PROVIDED OF WATER 70KL
(BLOCK-A = 12.70 X 4.65 X 3.00 = 177.14 CUM)

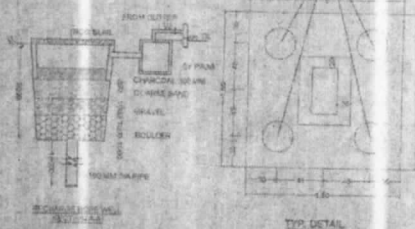
BLOCK-B = 12.70 X 2.50 X 1.80 = 57.15 CUM
2 X 2.5 X 4.65 X 1.80 = 41.85 CUM
2 X 1.5 X 4.65 X 1.80 = 25.11 CUM

TOTAL = PROVIDED OF TANK = 301.25 CUM. = 301.25 X 1000 LTR. (Provided)

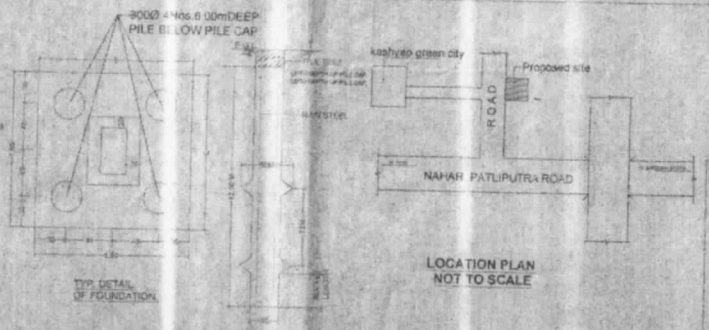
RAINWATER HARVESTING SYSTEM

TOTAL TERRACE FLOOR ROOF AREA = 1660.14 SQM
REQUIRED @ 06 CUM FOR EVERY 99.60 SQM. OF
ROOF AREA, SO REQUIRED AREA = 99.60 CUM
PROVIDED AREA = 125.20 CUM

300Ø 4 Nos.6.00mDEEP
PILE BELOW PILE CAP

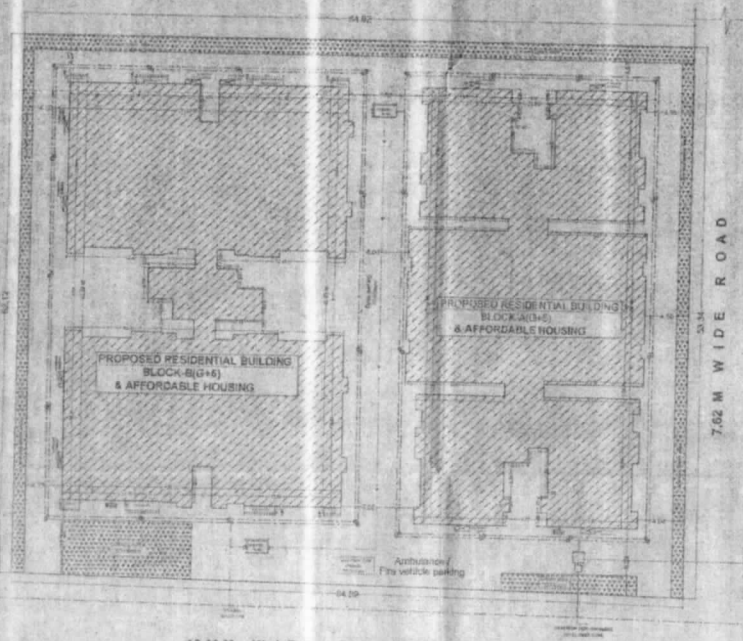


TYP. DETAIL
OF FOUNDATION

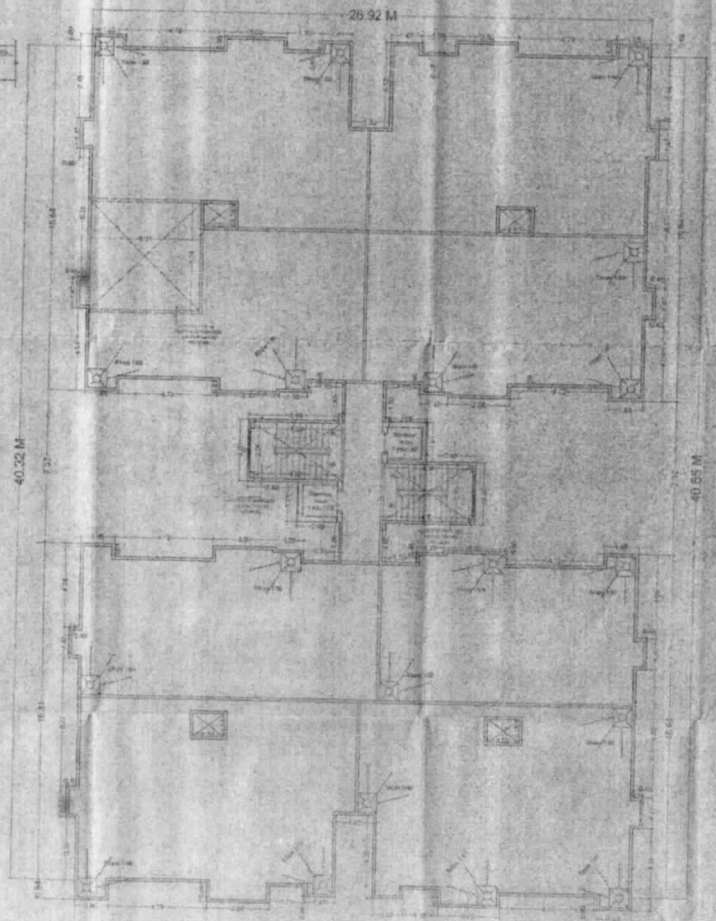


LOCATION PLAN
NOT TO SCALE

TYP. DET. OF PILE FOUNDATION



SITE PLAN
SCALE 1:200



TERRACE FLOOR PLAN
BLOCK-B

AREA CALCULATION :-

TOTAL PLOT AREA = 9416.38SQM

BLOCK-A
TOTAL B/U AREA OF GROUND FLOOR = 1015.10SQM
TOTAL B/U AREA OF 1ST FLOOR = 754.41 SQM
TOTAL B/U AREA OF 2ND FLOOR = 754.41 SQM
TOTAL B/U AREA OF 3RD FLOOR = 754.41 SQM
TOTAL B/U AREA OF 4TH FLOOR = 754.41 SQM
TOTAL B/U AREA OF 5TH FLOOR = 754.41 SQM

TOTAL B/U AREA = 5792.10 SQM

6TH FLOOR B/U AREA
(FOR AFFORDABLE HOUSING) = 350.00 SQM

BLOCK-B
TOTAL B/U AREA OF GROUND FLOOR = 73.65 SQM
TOTAL B/U AREA OF 1ST FLOOR = 885.79 SQM
TOTAL B/U AREA OF 2ND FLOOR = 885.79 SQM
TOTAL B/U AREA OF 3RD FLOOR = 885.79 SQM
TOTAL B/U AREA OF 4TH FLOOR = 885.79 SQM
TOTAL B/U AREA OF 5TH FLOOR = 813.73 SQM
TOTAL B/U AREA = 4424.53 SQM

5TH FLOOR B/U AREA
(FOR AFFORDABLE HOUSING) = 350.00 SQM

TOTAL B/UP AREA=BLOCK-A+B+(FOR AFFORDABLE HOUSING)
= 9139.63 SQM

F.A.R. = 2.16

AFFORDABLE HOUSING

ALL FLOOR (BLOCK-A+B) B/T AREA = 7135.63 SQM
AFFORDABLE HOUSING AREA REQUIRE @ 15% OF B/U AREA
SO 15% AFFORDABLE HOUSING REQUIRE
= 1070.34 SQM (FOR 6TH FLOOR)

PROVIDE AFFORDABLE HOUSING AREA AT 6TH FLOOR
BLOCK-A 6TH FLOOR = 350.00 SQM
BLOCK-B 6TH FLOOR = 720.34 SQM
TOTAL = 1070.34 SQM

TOTAL B/U AREA EXCLUDING AFFORDABLE HOUSING
= 8069.29 SQM (FOR 1ST TO 5TH FLOOR)

F.A.R. = 2.16

PLOT DETAILS :-

PROPOSED RESIDENTIAL BUILDING OF
AARCHI HOMES PVT LTD
DIRECTOR :-(01) RAJESH RAJ
S/O :- BRAJENDRA KUMAR SINHA
(02) GIRI SHANTIPIT
S/O :- DR. RUPENDRA PD.
ON PLOT NO.-340,341,342, THANA NO. - 22,
TAUZI NO.- 3437, KHATA NO.- 237,208
THANA - DANAPUR, MAUZA - JILALPUR
DIST. - PATNA

SCALE
NORTH

ER. PRATIK KR. KARN
STRUCTURAL ENGINEER
Reg. No.-[illegible]

SIGNATURE OF OWNER

SIGNATURE OF ARCHITECT

Building Plan No. [illegible]