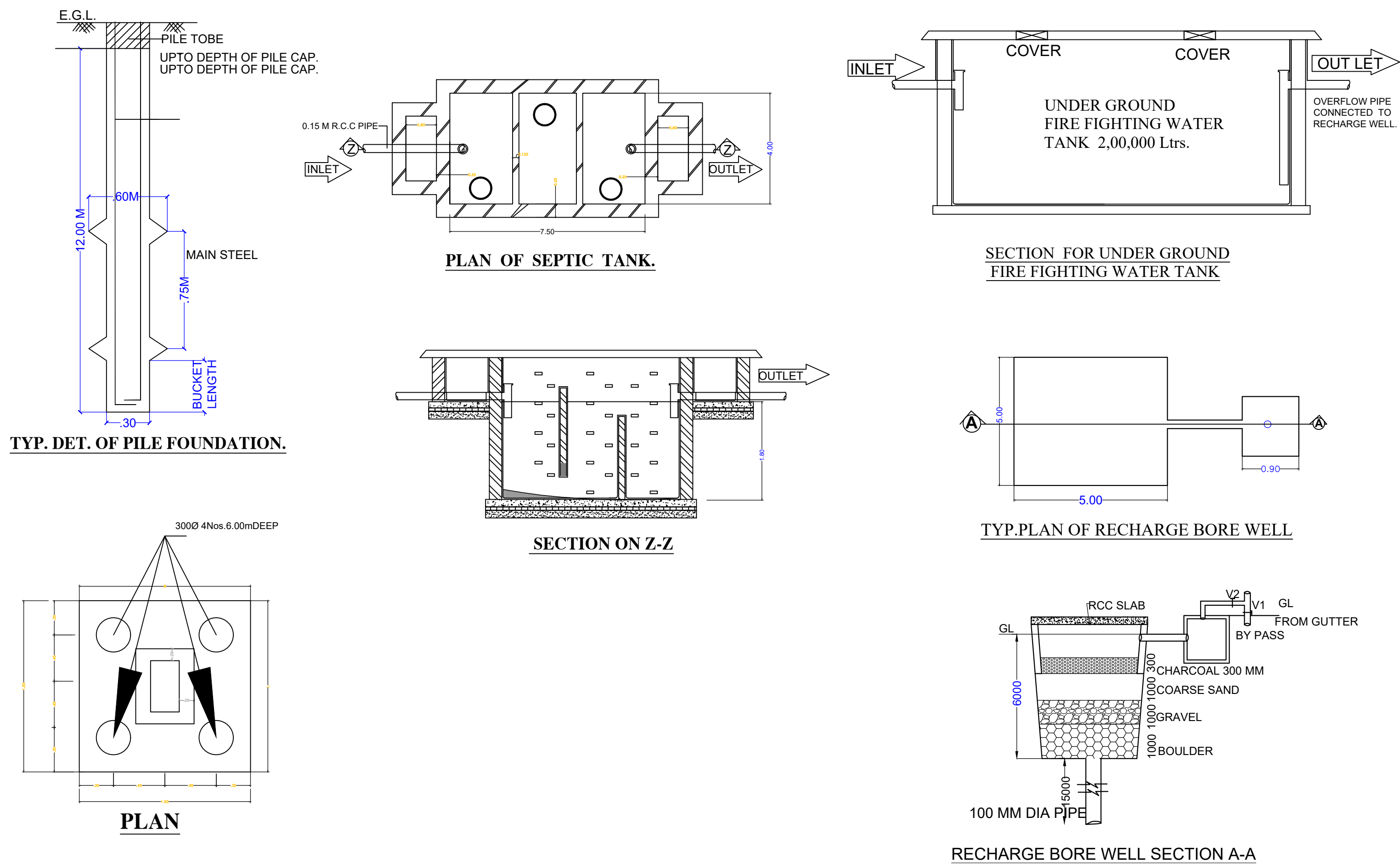




WATER HARVESTING SUMP CALCULATION

TERRACE FLOOR AREA =1820.20 sqm.
RAIN WATER HARVESTING SUMP
REQ. 6 CUM FOR
EVERY 100 SQM. TERRACE AREA,
SO TOTAL REQ. CAPACITY OF SUMP
=18.20 x 6 = 109.20 CUM.
(REQUIRED)
PROVIDED FIRE TANK SIZE
=5.00x5.00x6.00 =150.00 cum.
(PROVIDED)

FIRE LEGEND :-

01.HYDRANT OUT LET VALVE WET-----
02.HOSE REEL-----
03.SEMAC CONNECTED FOR FIRE
BRIGADECONNECTED TO WET RISER-----
04.ELECTRICALLY INSULATED METAL STRIP ---
05.UNDER GROUND TANK OF 2,00,000 Ltrs--- 2,00,000 Ltrs
06.O.H.W.TANK FOR FIRE FIGHTING ----- 25,000 Ltrs EACH BLOCK
08.FIRE ALARM CALL POINT -----
09.AUDIABLE ALARM CALL POINT -----
10.LOUDSPEAKER OUTLET -----
11.CO2 FIRE EXTINGUISHER -----
12.FIRE RESISTANT DOOR -----
13.AUTOMATIC SMOKE DETECTOR -----
14.AUTOMATIC SPRINKLER -----
15.EMERGENCY LIGHT POINT -----

PARKING CALCULATION :-

TOTAL B/U AREA = 14,815.00 sqm.
DEDUCT FOR SERVICE AREA@15% -
(14,815.00-15%)=12592.75 Sqm.
PARKING AREA REQ. @ 30% OF NET B/U AREA.
SO TOTAL PARKING AREA REQ.
= 12592.75 x 30% = 3777.82 sqm.
(REQUIRED)

PROVIDED
BLOCK- D
LOWER BASEMENT PARKING AREA = 1534.09 SQM.
UPPER BASEMENT PARKING AREA = 1534.09 SQM.
GROUND FLOOR PARKING AREA = 1272.24 SQM.
TOTAL PARKING AREA = 4340.42 SQM.
(PROVIDED)

POPULATION DENSITY CALCULATION :-

RESIDENTIAL :-
TOTAL NO. OF FLAT (BLOCK -D) = 137 NOS.
EACH FLAT HAVING 5 PERSON
SO TOTAL NO OF PERSON =137 x 5 =685 NOS.
& TOTAL PERSON OF AFF. HOUSE=505 NOS
SO GRAND TOTAL NO OF PERSON
=(685+505)=1190 NOS.
SEPTIC TANK CALCULATION :-
SO TOTAL NO OF PERSON = 1190 PERSON
PER PERSON NEED 0.085 CUM. CAPACITY OF
SEPTIC TANK PER DAY SO TOTAL REQ. CAPACITY OF
TOTAL REQUIRED SEPTIC TANK =
1190 x 0.085 = 101.15 CUM.
(REQUIRED)
PROVIDED:-
PROVIDED SEPTIC TANK SIZE 2 NOS.
[1]. (7.50X 4.00 X 1.80)X2 = 108.00 Cum.
(PROVIDED)

WATER TANK CALCULATION :-

RESIDENTIAL :-
TOTAL NO OF PERSON =1190 PERSON
TOTAL SEPTIC TANK REQUIRED
PER PERSON NEED 135 LTRS PER DAY
TOTAL PERSON NEED =1190 X 135 = 1,60,650 LTRS.
& FOR FIRE FIGHTING TAKE 25,000 LTRS.EACH
TOTAL WATER TANK REQUIRED
= (1,60,650 + 50,000.00) = 2,10,650.00 Ltrs.
(REQUIRED)
PROVIDED:-
PROVIDED WATER TANK 6 NOS.SIZE
[D1]. (2.51X 7.25X 1.40) = 25,400 Ltrs.
[D2].2.51 X 7.25X1.40) = 25,400 Ltrs.
[D3]. (8.84 X 6.97 X 1.40) = 86,260 Ltrs.
[F1]. (4.84 X 2.13 X 1.40) = 14,430 Ltrs.
[F2]. (4.62X 4.06 X 1.40) = 26,260 Ltrs.
[F3]. (5.36 X 5.14 X 1.40) = 38,570 Ltrs.
Total water tank capacity = 2,16,320.00 Ltrs.
(Provided)

AFFORDABLE HOUSE CALCULATION:-

ALL FLOOR B/U AREA = 39,592.70 SQM
SO TOTAL AFFORDABLE HOUSING AREA REQ.
= 39592.70 X 15 / 100 =5938.90 SQM.
PROVIDE AFFORDABLE HOUSING AREA IN
BLOCK-F (Affordable house)=5951.55 SQM.
(PROVIDED)
TOTAL B/U AREA INCLUDING AFFORDABLE HOUSE
=39,592.70 + 5951.55=45,544.25 SQM.
F.A.R.-45,544.25 / 12186.18 =3.73
(Including Affordable House)

AREA CALCULATION :-

TOTAL PLOT AREA AS / DEED = 12300.14 sqm.
TOTAL PLOT AREA AS / SITE = 12300.14 sqm.
EFFECTED LAND FOR MASTER PLAN = 113.96 sqm.
NET PLOT AREA = 12186.18 sqm.

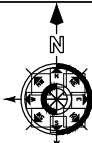
	BLOCK- D	BLOCK F(AFF. HOUSE)
BASEMENT-01 B/U AREA	61.43 m²	X X X
BASEMENT-02 B/U AREA	47.22 m²	X X X
GROUND FLOOR B/U AREA	62.84 m²	238.15 m²
1ST. FLOOR B/U AREA	1276.31 m²	408.10 m²
2ND. FLOOR B/U AREA	1276.31 m²	408.10 m²
3RD. FLOOR B/U AREA	1276.31 m²	408.10 m²
4TH. FLOOR B/U AREA	1276.31 m²	408.10 m²
5TH. FLOOR B/U AREA	1276.31 m²	408.10 m²
6TH. FLOOR B/U AREA	1276.31 m²	408.10 m²
7TH. FLOOR B/U AREA	1276.31 m²	408.10 m²
8TH. FLOOR B/U AREA	1276.31 m²	408.10 m²
9TH. FLOOR B/U AREA	1276.31 m²	408.10 m²
10TH. FLOOR B/U AREA	1276.31 m²	408.10 m²
11TH. FLOOR B/U AREA	1276.31 m²	408.10 m²
12TH. FLOOR B/U AREA	604.10 m²	408.10 m²
13TH. FLOOR B/U AREA	- - - -	408.10 m²
14TH. FLOOR B/U AREA	- - - -	408.10 m²
TOTAL B/U AREA	14,815.00 m²	5951.55 m²

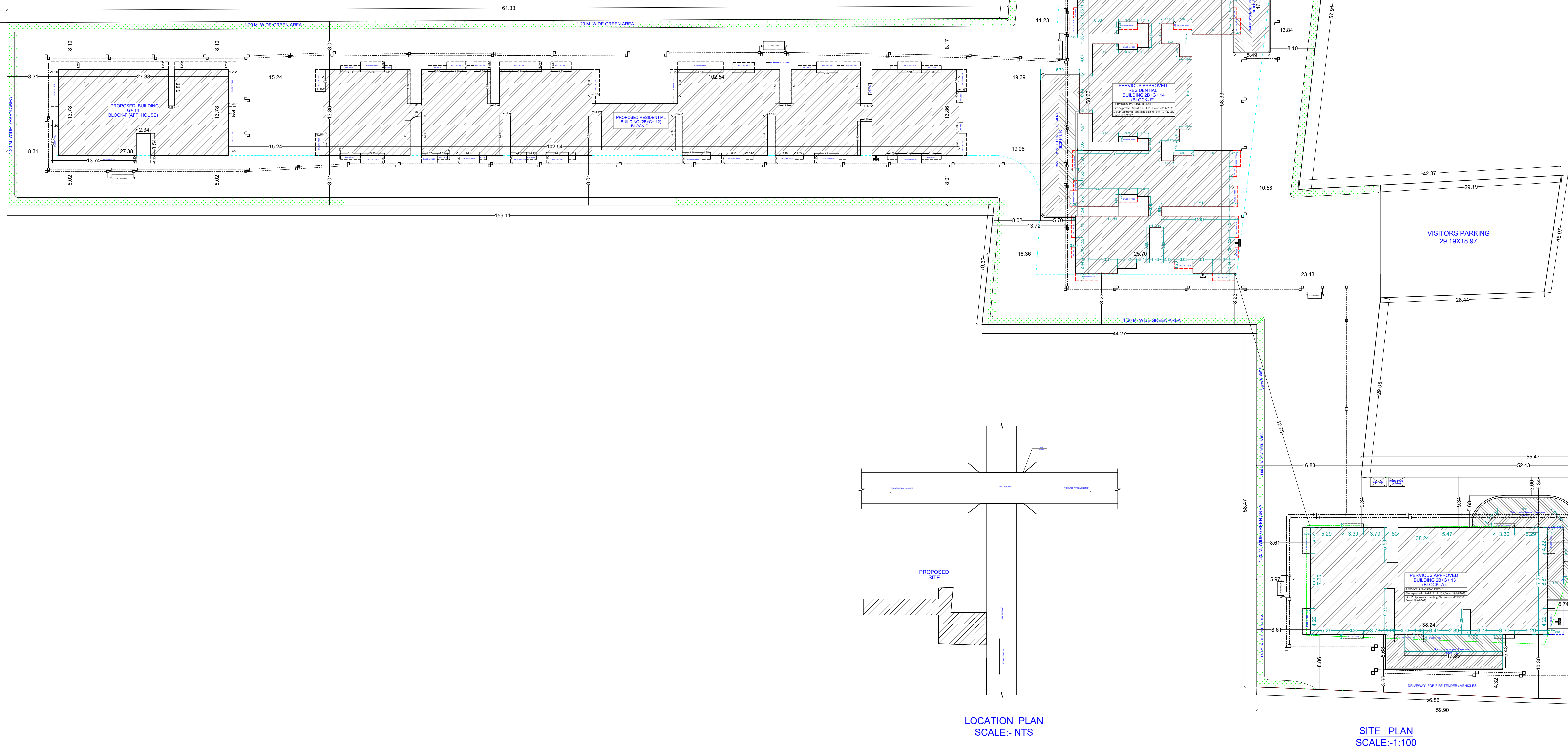
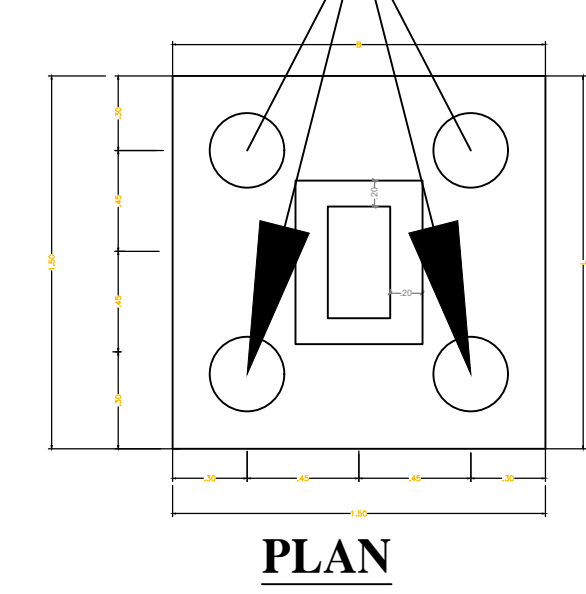
PROPOSED (Block-D) B/U AREA =14815.00 m²
PERVIOUS APPROVED (BLOCK-A+BLOCK-E)
B/U AREA =24,777.70 m²
PROPOSED + PERVIOUS APPROVED BLOCK
B/U AREA =(14,815.00 +24,777.70) = 39,592.70 m²
F.A.R.-39592.70 / 12,186.18=3.24

PERVIOUS PASSING DETAIL:-
Fire Approval, Serial No.-11453,Dated-31/12/2019
D.N.P. Approval, Building Plan no.-No.-177/22-23,
Dated-28/09/2023

PLOT DETAIL:-
PROPOSED RESIDENTIAL BUILDING OF
AAROHI HOMES PVT. LTD.
DIRECTOR :- (01) RAJESH RAJ,
S/O:- LATE BRAJENDRA KUMAR SINHA,
(02) RAKESH KUMAR SINHA,
S/O :- LATE DEVENDRA PRASAD SINHA,

THANA - DANAPUR ,MAUZA - SIKANDARPUR,
DIST. - PATNA.

SCALE. 1 : 100,	NORTH. 
	SIGN. OF EMPANELLED STRUCTURE ENGINEER.
For Aarohi Homes Pvt. Ltd. Rakesh Kumar Singh Director	Ar. UMASHANKAR KUMAR Rajesh Aarohi Homes Pvt. Ltd. S/O:- LATE BRAJENDRA KUMAR SINHA S/O:- LATE DEVENDRA PRASAD SINHA
SIGNATURE OF BUILDER / DEVELOPER	SIGN. OF EMPANELLED ARCHITECT



27.22 M. WIDE ROAD