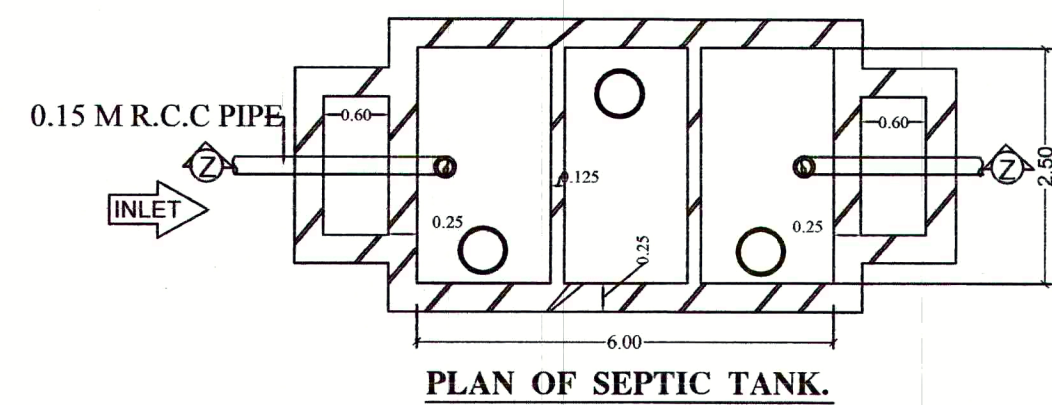
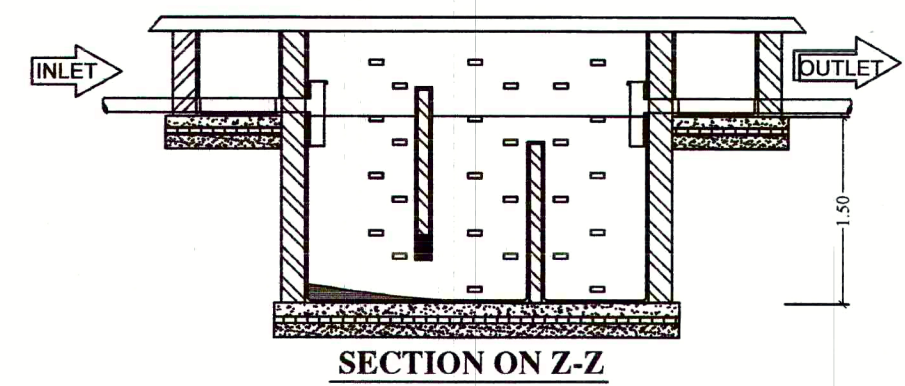
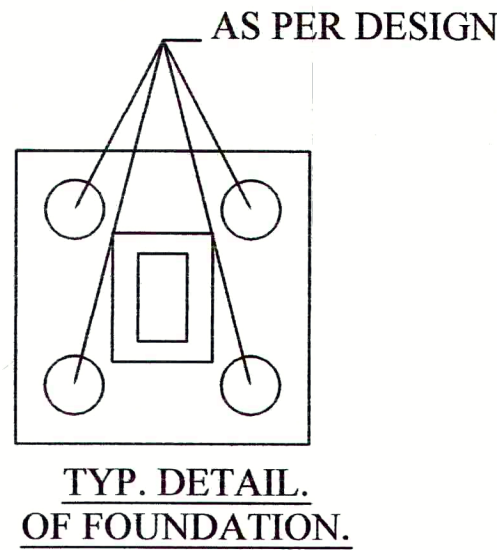
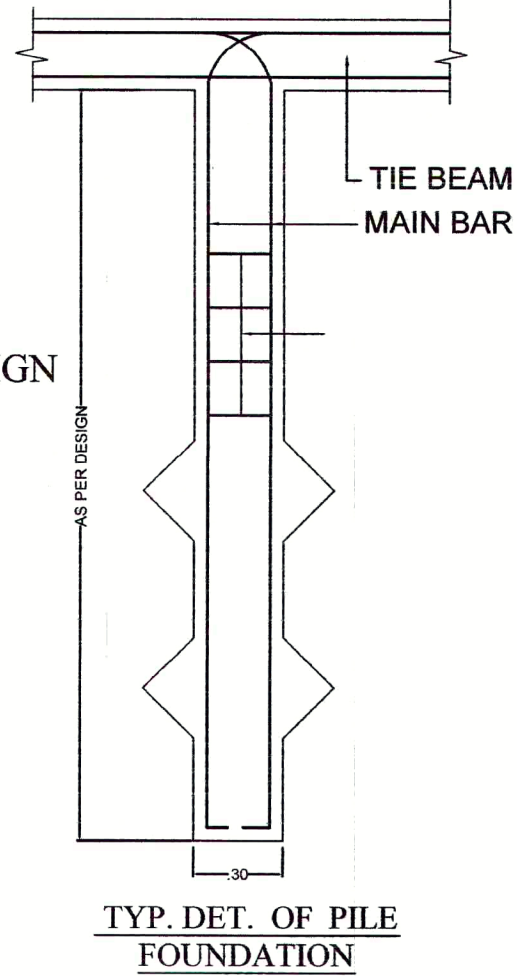
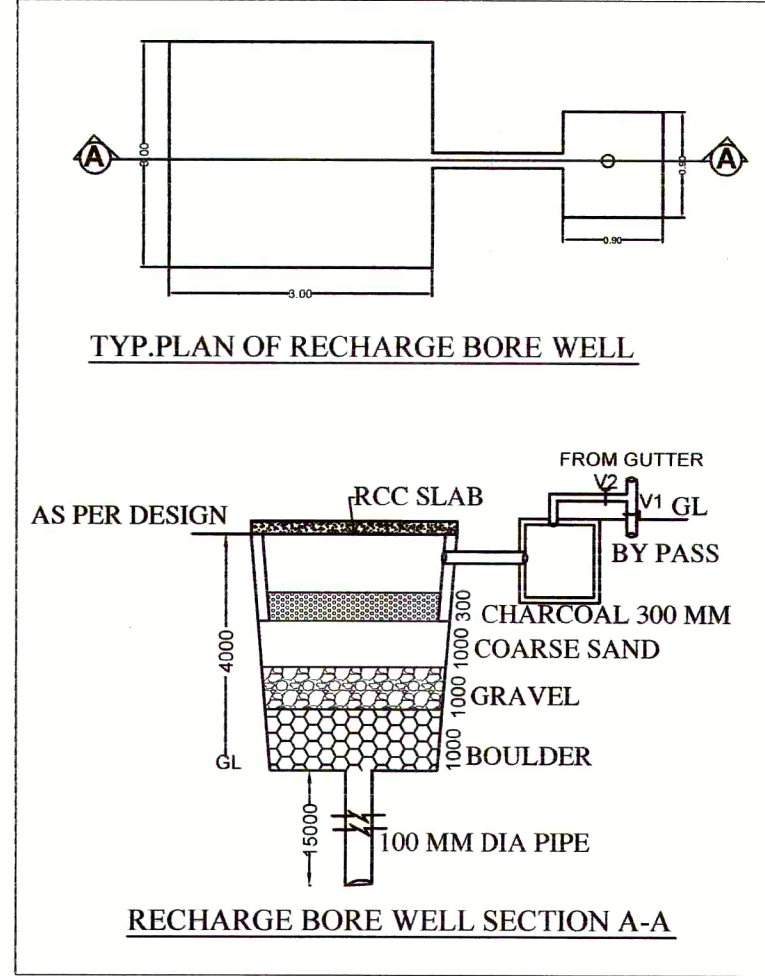
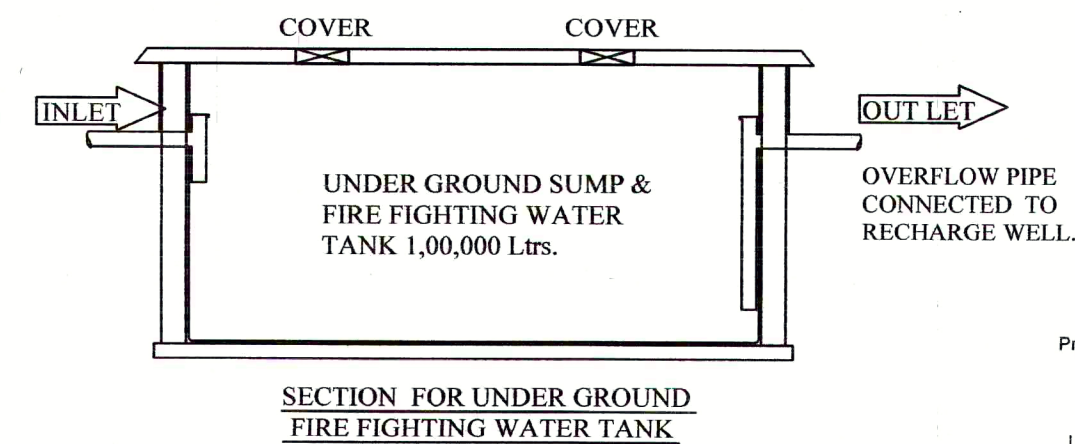
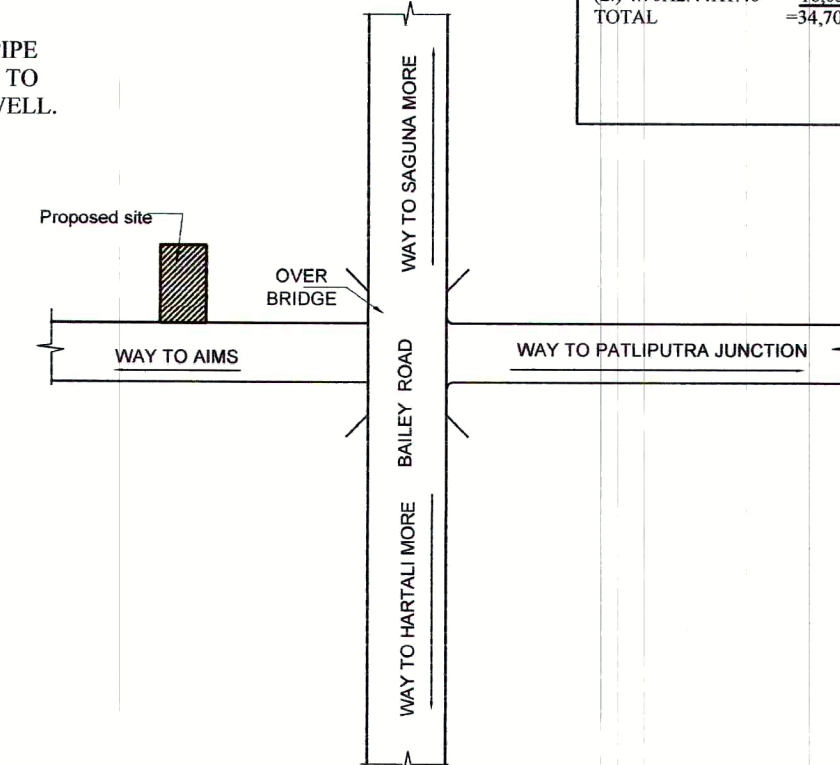




WATER TANK CALCULATION :-

COMMERCIAL
TOTAL BU AREA = 197.18 SQM
TOTAL CARPET AREA = 197.18 / 2 = 98.59 SQM
TAKING DENSITY OF 6 SQM PER PERSON
= 98.59 / 6 = 16.43, SAY = 17 PERSON
EACH PERSON NEED 45 LTRS. PER DAY
= 17 X 45 = 765.00 LTRS. (REQ.)

RESIDENTIAL
TOTAL NO. OF FLAT = 23 nos.
EACH FLAT HAVING 5 PERSON
SO TOTAL NO. OF PERSON = 23 X 5 = 115 PERSON
PER PERSON NEED 0.085 CUM. CAPACITY OF
SEPTIC TANK PER DAY SO TOTAL REQ. CAPACITY
OF SEPTIC TANK = 115 X 0.085 = 9.77 CUM.
& EXTRA TAKE FOR FIRE FIGHTING = 10,000 Ltrs.
TOTAL WATER TANK REQUIRED = 765 + 10,000 = 10,765 Ltrs.
(Required)
PROVIDED WATER TANK 2 NOS SIZE
(1) 5.46 X 2.44 X 1.40 = 18,650.00 Ltrs.
(2) 4.70 X 2.44 X 1.40 = 16,055.00 Ltrs.
= 34,705.00 Ltrs. (Provided)

SEPTIC TANK CALCULATION :-

COMMERCIAL
TOTAL BU AREA = 197.18 SQM
TOTAL CARPET AREA = 197.18 / 2 = 98.59 SQM
TAKING DENSITY OF 6 SQM PER PERSON
= 98.59 / 6 = 16.43, SAY = 17 PERSON
EACH PERSON NEED 0.085 CUM. CAPACITY OF
SEPTIC TANK PER DAY SO TOTAL REQ. CAPACITY
OF SEPTIC TANK = 115 X 0.085 = 9.77 CUM.
& EXTRA TAKE FOR FIRE FIGHTING = 10,000 Ltrs.
TOTAL WATER TANK REQUIRED = 765 + 10,000 = 10,765 Ltrs.
(Required)
PROVIDED WATER TANK 2 NOS SIZE
(1) 5.46 X 2.44 X 1.40 = 18,650.00 Ltrs.
(2) 4.70 X 2.44 X 1.40 = 16,055.00 Ltrs.
= 34,705.00 Ltrs. (Provided)

GREEN SPACE CALCULATION :-

TOTAL NET PLOT AREA = 1007.86 sqm.
GREEN AREA REQUIRED @ 10% OF
TOTAL PLOT AREA = 100.78 sqm.
PROVIDED GREEN SPACE AREA = 109.27 sqm.

WATER HARVESTING SUMP CALCULATION :-

TERRACE FLOOR AREA = 451.25 sqm.
RAIN WATER HARVESTING SUMP REQ. 6 CUM FOR
EVERY 100 SQM. TERRACE AREA SO TOTAL
REQ. CAPACITY OF SUMP = 4.51 X 6 = 27.06 CUM.
PROVIDED FIRE TANK SIZE = 4.00 X 2.00 X 1.00 = 8.00 CUM.
IN WHICH PROVIDED 36.00 CUM FOR RAIN
WATER HARVESTING SUMP.

FIRE LEGEND :-

01 HYDRANT OUTLET VALVE WET-
02 HOSE REEL
03 SEMI-CONNECTED TO FIRE
04 ELECTRICALLY INSULATED METAL STRIP
05 UNDER GROUND TANK OF 1,00,000 Ltrs.
06 FIRE ALARM CALL POINT
07 FIRE ALARM CALL POINT
08 AUDIBLE ALARM CALL POINT
09 HOOD/EXHAUST FAN
10 CO2 FIRE EXTINGUISHER
11 FIRE RESISTANT DOOR
12 AUTOMATIC SMOKE DETECTOR
13 AUTOMATIC SPRINKLER

SCHEDULE OF DOORS & WINDOWS

TYPE	WIDTH	HEIGHT	SILL	UNITS	DESCRIPTION
D	1.07	2.13	0.0	2.13	Single Leaf Door
D1	0.99	2.13	0.0	2.13	Single Leaf Door
D2	0.91	2.13	0.0	2.13	Single Leaf Door
D3	0.78	2.13	0.0	2.13	Single Leaf Door
W	1.37	1.78	0.76	2.54	Glazed window
W1	1.22	1.78	0.76	2.54	Glazed window
W2	0.91	1.83	0.91	2.54	Ventilator
V	0.45	0.61	1.52	2.13	Ventilator
DW	0.65	1.83	0.00	2.54	Door & Windows

AREA CALCULATION :-

TOTAL PLOT AREA AS / DEED	= 1391.61 sqm
TOTAL PLOT AREA AS / SITE	= 1391.14 sqm
LEFT FOR ROAD WIDENING	= 383.28 sqm
NET PLOT AREA	= 1007.86 sqm
BASEMENT FLOOR B/U AREA	= 13.36 sqm
GROUND FLOOR B/U AREA	= 197.18 sqm
1ST. FLOOR B/U AREA	= 401.10 sqm
2ND. FLOOR B/U AREA	= 401.10 sqm
3RD. FLOOR B/U AREA	= 401.10 sqm
4TH. FLOOR B/U AREA	= 401.10 sqm
5TH. FLOOR B/U AREA	= 401.10 sqm
6TH. FLOOR B/U AREA	= 300.91 sqm
TOTAL ALL FLOOR B/U AREA	= 2516.95 sqm
F.A.R. = 2516.95 / 1007.86 = 2.49	

PARKING CALCULATION :-

TOTAL BU AREA = 2516.95 sqm.	
15% DEDUCT FOR SERVICE AREA = 377.54	
PARKING AREA REQ. @ 30% OF NET BU AREA	= 755.08 sqm
SO TOTAL PARKING AREA REQ.	= 2199.41 X 30% = 641.82 sqm
PROVIDED BASEMENT PARKING AREA	= 460.02 sqm
PROVIDED GROUND FLOOR PARKING AREA	= 184.71 sqm
TOTAL PARKING AREA	= 644.73 sqm
(PROVIDED)	

PLOT DETAIL:-

PROPOSED BUILDING OF
ROYAL PRIMUM DEVELOPERS PVT. LTD.
DIRECTOR : SRI RAJESH KUMAR GUPTA,
S/O. LATE DASRATH KUMAR GUPTA,
ON S.PLOT NO.-295, THANA NO.-22,
KHATA NO.-186, TAUZI-BIHAR GOVT.
AT MAUZA - JALALPUR,
THANA-DANAPUR, DISTT. - PATNA

SCALE

1 : 100
1 : 200

NORTH

North arrow pointing towards the top right.

Signature of Sushil Kumar

Structure Engineer

Enrollment No. - 1802018 MP

Nagar Parishad Danapur

Signature of J. E.

Signature of J. E.

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