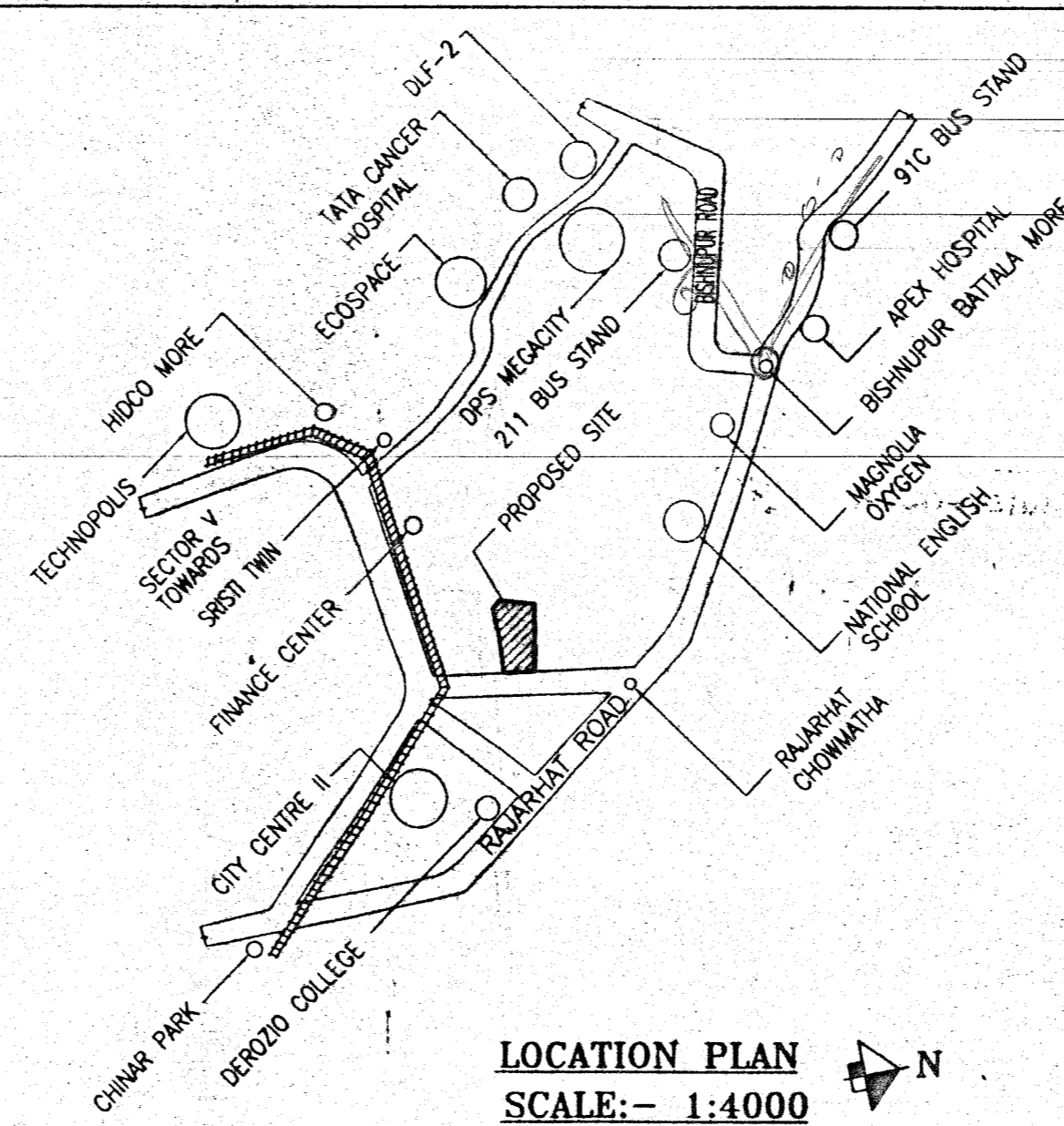


PLAN  
DETAIL OF SEPTIC TANK (200 USERS)  
SCALE - 1:50



LOCATION PLAN  
SCALE:- 1:4000

I hereby certify that the plans and drawings are prepared by me in accordance with the provisions of the National Building Code of India, 2014 and the rules made thereunder. I also certify that the plans and drawings are prepared by me in accordance with the provisions of the National Building Code of India, 2014 and the rules made thereunder. I shall be held responsible if any incorrect information is furnished by me or any violation of provisions of these rules or the prevailing national building code is found in any of the drawings and documents, signed by me and submitted to the sanctioning authority for obtaining sanction.

District Engineer  
24 Parganas Zilla Parishad

Sanctioned & Approved  
Executive Officer  
Rajarhat Panchayat Samity

**SIGNATURE OF OWNER**  
I/WE CONFIRM THAT THE ERECTION OF BUILDING TO BE UNDERTAKEN SHALL BE STRICTLY IN ACCORDANCE WITH THE NKDA PLANNING AREA ACT 2014 AND THE RULES MADE THERE UNDER.

**NAME OF OWNER**

**CERTIFICATE OF ARCHITECT**  
I CERTIFY THAT ALL THE ARCHITECTURAL DRAWINGS OF THE PROJECT AT J.L. NO. - 31, DAG NOS. - 190, KHATIAN NOS. - 3189, 3205, MOUZA - BASINA, DIST. - NORTH 24 PARGANAS, HAVE BEEN PREPARED BY ME COMPLYING WITH THE NEW TOWN KOLKATA PLANNING AREA (BUILDING) RULES, 2014. I ALSO CERTIFY THAT THE PLANS AND DRAWINGS PREPARED BY ME COMPLYING WITH ALL THE PROVISIONS REGARDING THE FIRE PROTECTION AS PER THE PREVAILING NATIONAL BUILDING CODE OF INDIA. I SHALL BE HELD RESPONSIBLE IF ANY INCORRECT INFORMATION IS FURNISHED BY ME OR ANY VIOLATION OF PROVISIONS OF THESE RULES OR THE PREVAILING NATIONAL BUILDING CODE IS FOUND IN ANY OF THE DRAWINGS AND DOCUMENTS, SIGNED BY ME AND SUBMITTED TO THE SANCTIONING AUTHORITY FOR OBTAINING SANCTION.

Rajkumar Agarwal  
Architect  
Member of Council of  
Architecture CA/94/17940  
SIGN. OF ARCHITECT

**IT IS HEREBY CERTIFIED THAT THE STRUCTURAL DRAWINGS ARE PREPARED FOR EARTHQUAKE RESISTANCE IN ACCORDANCE WITH BIS & NBC 2005.**

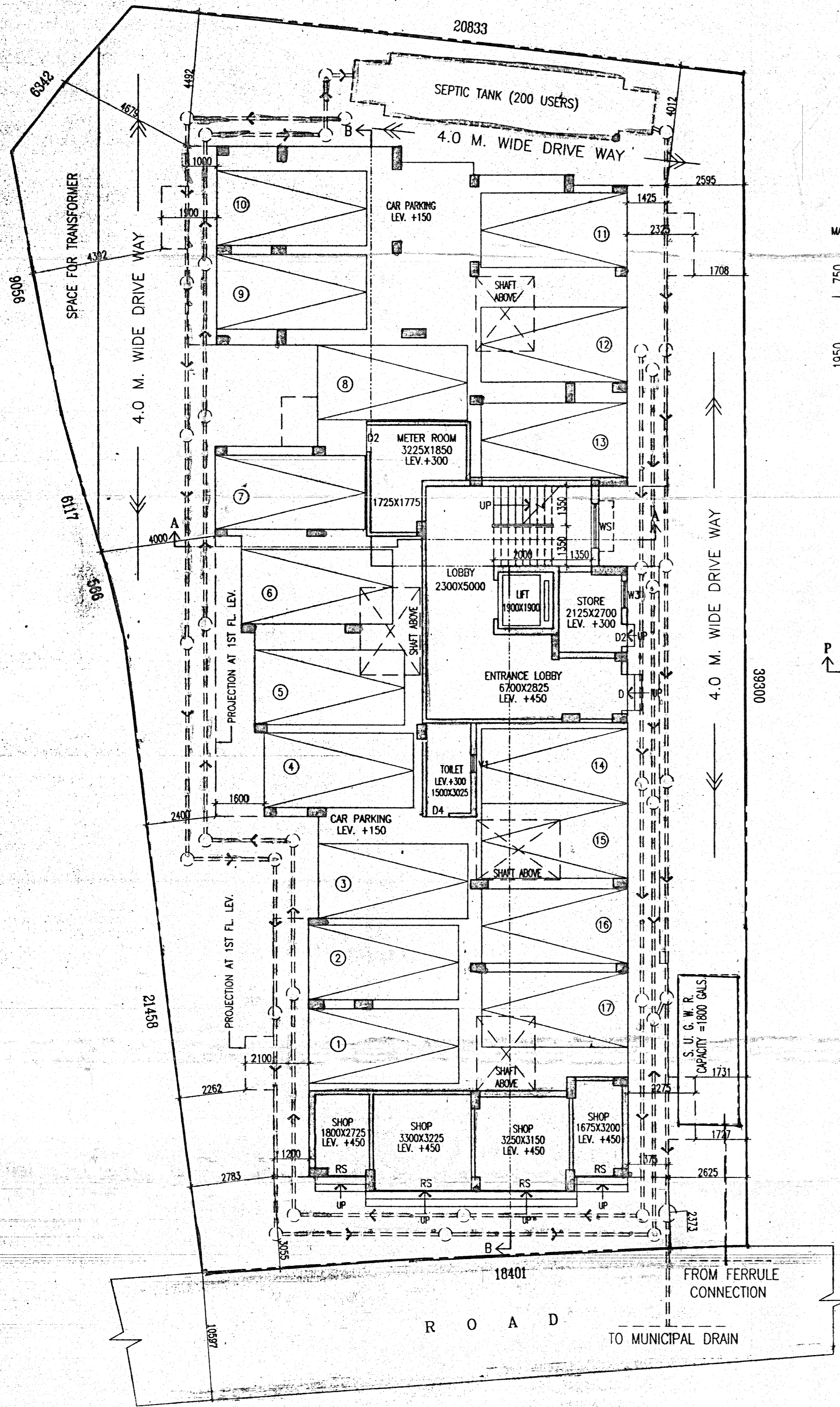
DR. SAHITOSH KHAR CHAKRABORTY  
B.C.E., M.C.E. (Struct)  
P.R.O. (Foundation Engineer)  
I.S.T.E. I.S.S. I.S. I.E. (Civil)  
G.I.E. of K.M.C. - 16/1, R.C.M. - 011(Class-I)  
Registration No. DA/10/2008  
Consulting Geotechnical Engineer

SIGN. OF GEO-TECHNICAL ENGINEER

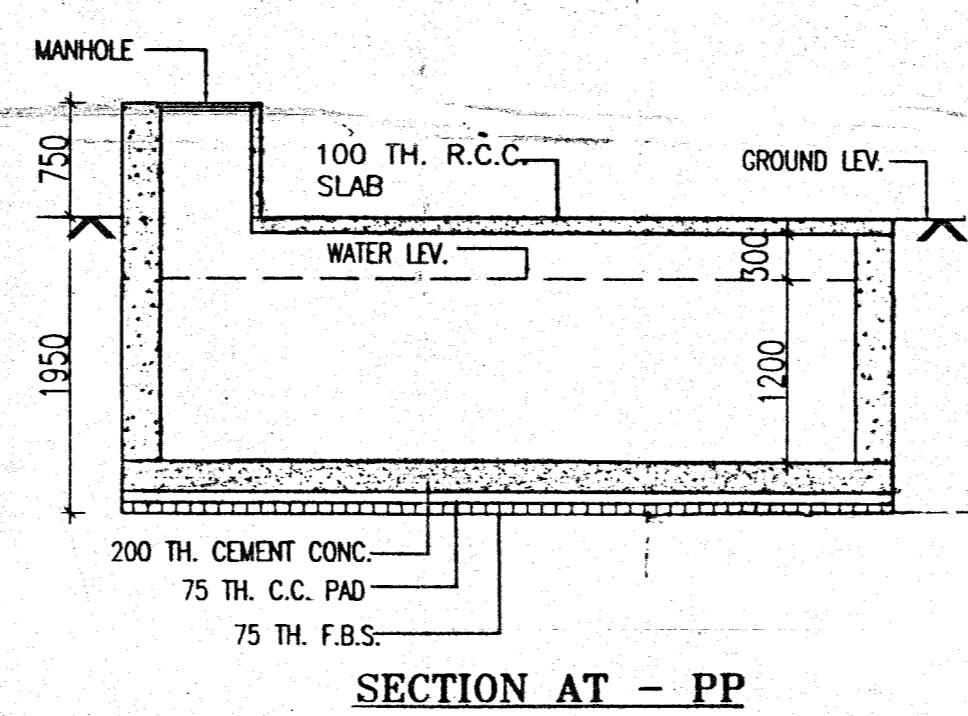
**CERTIFICATE OF STRUCTURAL ENGINEER**  
CERTIFIED THAT THE STRUCTURAL DRAWING & DESIGN OF BOTH FOUNDATION & SUPER STRUCTURE OF THE BUILDING / BUILDINGS HAS BEEN MADE CONSIDERING THE SOIL TEST REPORT, AS PER THE RULES AND REGULATIONS MADE UNDER THE ACT AND ALSO CONSIDERING ALL POSSIBLE LOADS, SEISMIC LOAD AND THE MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER THE BUREAU OF INDIAN STANDARD AND NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECT AND THESE PROVISIONS SHALL BE ADHERED TO DURING THE CONSTRUCTION.

Mainak Majumdar  
B.C.E., M.C.E. (Struct)  
ESE - 152/1 of CMC  
STER/NKDA/10/0020  
074/R/PSO/SE/11-12

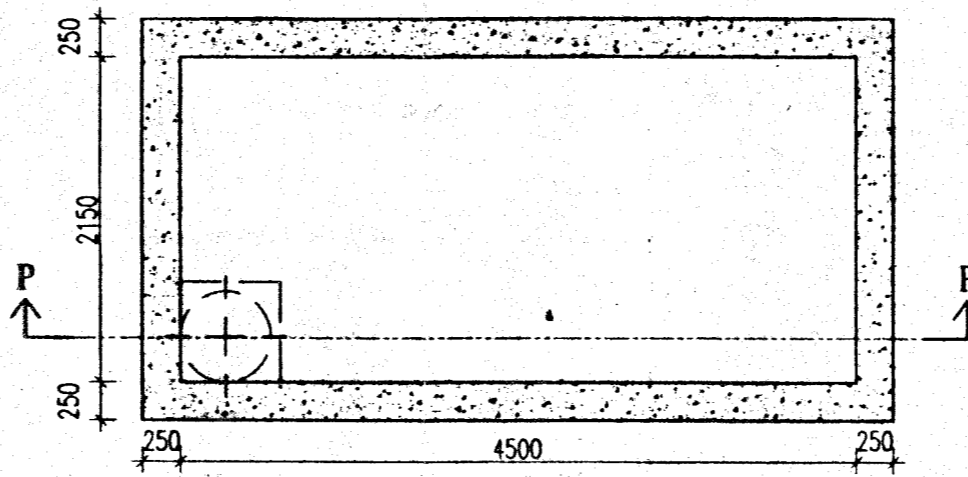
SIGN. OF STRUCTURAL ENGINEER



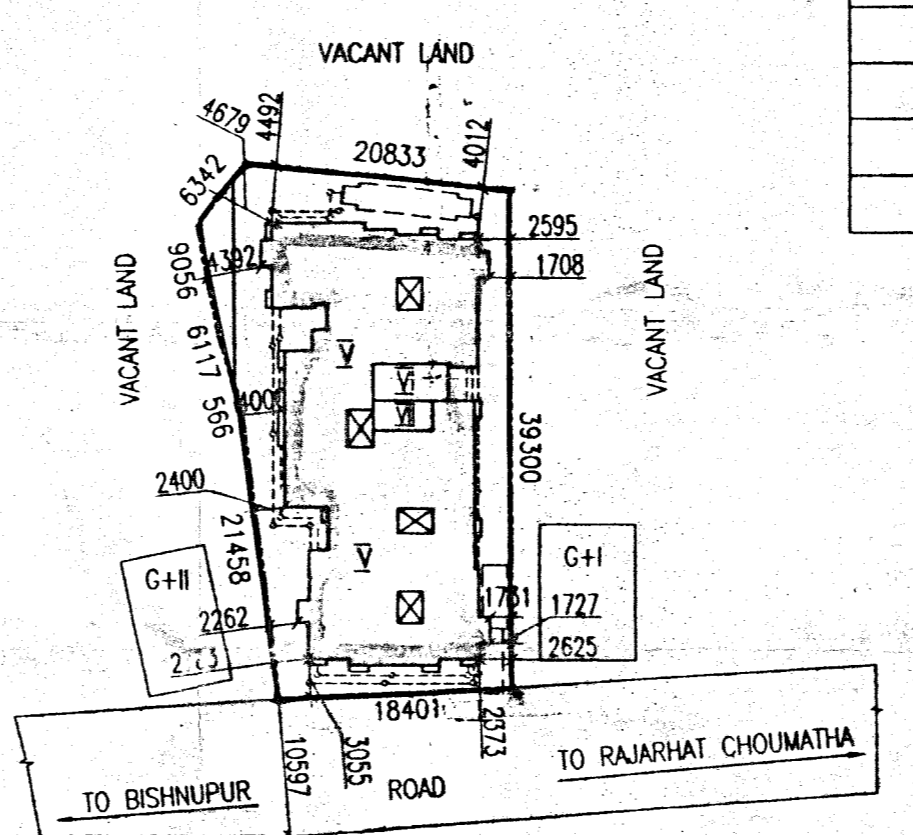
GROUND FLOOR PLAN  
SCALE:- 1:100



SECTION AT - PP



PLAN  
DETAIL OF UNDERGROUND WATER TANK  
CAPACITY - 1800 GALLONS  
SCALE:- 1:50



SITE PLAN  
SCALE:- 1:600

**AREA CALCULATION**

PROPOSED BUILDING HEIGHT (0.450+2.900X5 FLS.)	=14.950 MTR.
LAND AREA (AS PER DEED) (8640.00 SFT.)	=802.676 SQM.
AVAILABLE ROAD WIDTH	=10.597 M.
PERMISSIBLE FAR	=2.25
PERMISSIBLE BUILT UP AREA (802.676*2.25)	=1806.021 SQM.
PROPOSED GROUND COVERAGE (49.61%)	= 398.202 SQM.
PROPOSED GROUND FLOOR AREA	= 393.54 SQM.
PROPOSED TOTAL FLOOR AREA (1ST-4TH)	= 392.457 SQM.
PROPOSED TOTAL FLOOR AREA (393.54+392.457*4 FLS.)	=1963.368 SQM.
PROPOSED WAREHOUSE AREA	=39.2 SQM.

**EXEMPTION**

TOTAL STAIR AREA (12.69*5 FLS.)	=63.45 SQM.
TOTAL LIFT LOBBY AREA (6.0*5 FLS.)	=30.0 SQM.
CAR PARKING AREA	=285.747 SQM.
TOTAL EXEMPTION AREA (63.45+30.0+285.747)	=379.197 SQM.
PROPOSED TOTAL BUILT-UP AREA FOR F.A.R. (1963.368-379.197)	=1584.171 SQM.
PROPOSED F.A.R. (1584.171/802.676)	=1.9736

**NO. OF FLAT CALCULATION**

3 BED ROOM FLAT (7*4 FLS.)	=28 NOS.
----------------------------	----------

**NO. OF USERS**

28 NOS. FLAT X 5 PERSON	=140 NOS.
-------------------------	-----------

**CAR PARKING CALCULATION**

**COMMERCIAL**

GROUND FLOOR SHOP AREA	=35.893 SQM.
REQUIRED NOS. OF CAR	=01 NOS.

**RESIDENTIAL**

FLAT AREA 75 SQM. TO 100 SQM. (7 NOS.*4 FLS.)	=28 NOS.
REQUIRED NOS. OF CAR	=14 NOS.
TOTAL NOS OF CAR REQUIRED (01+14)	=15 NOS.
TOTAL NOS OF CAR PROVIDED	=18 NOS. (COVERED)

**TYPICAL AREA CHART OF EACH FLOOR**

FLAT MKD.	FLAT TYPE	BUILT-UP AREA ( SQM. )
A	3 BHK	76.54
B	3 BHK	76.49
C	1 BHK	40.49
D	2 BHK	51.37
E	3 BHK	66.80
F	3 BHK	66.85
G	2 BHK	46.45

**SCHEDULE OF DOORS & WINDOWS**

TYPE	SILL	LINTEL	SIZE	TYPE	SILL	LINTEL	SIZE
D1	-	2100	1500X2100	W1	275	2100	1500X1825
D2	-	2100	1500X2100	W2	275	2100	1200X1825
D3	-	2100	900X2100	W3	275	2100	900X1825
D4	-	2100	825X2100	W4	900	2100	900X1200
D5	-	2100	750X2100	W5	1050	2100	900X1050
D6	-	2100	1800X2100	W6	900	2100	1800X1200
D7	-	2100	1500X2100	W7	1200	2100	600X900

**SPECIFICATION OF BUILDING**

- ALL DIMENSIONS ARE IN MM.
- 1ST CLASS CEMENT BRICK WORK IN SUPER STRUCTURE.
- 125X75 MM THK. 1ST CLASS BRICK WORK 1:4 WITH H.B. WIRE NETTING.
- LEAN CONC. 1:3:6 WITH 16 MM. DOWN GRADED STONCHIPS.
- R.C.C. WORK FOR ROOF, SLAB, LINTEL, BEAM, COLUMN (M-15).
- CEMENT SAND PLASTER 19 MM THK. ON OUTSIDE & INSIDE WALLS ON 12 MM. & 6 MM. THK. IN CEILING & R.C.C. CHAJJA.
- 20 MM THK. L.P.S. FLOORING WITH NEAT CEMENT AT TOP INCL. SKIRTING.
- A BRICK FLAT SOLING IN FLOORING & FOUNDATION.
- MILD STEEL T BARS FOR COLUMNS, BEAMS, LINTELS & SLABS INCLUDING DISTRIBUTORS & BINDERS.
- HIRE & LABOUR FOR SHUTTERING OF R.C.C. WORKS INCLUDING STOUT PROP. TO BE PLACED AS PER DIRECTION.
- SANITARY & PLUMBING, FITTING & FIXING COMPLETE AS PER DIRECTION.
- ALL OUTSIDE WALLS 250 MM THK. & INSIDE WALL 125 & 75 MM THK. AS STATED WITH H.B. WIRE NETTING IN EVERY 3RD LAYER.

**TITLE**  
GROUND FLOOR PLAN, SITE PLAN, LOCATION PLAN, DETAIL OF SEPTIC TANK & DETAIL OF UNDERGROUND WATER RESERVOIR.

**PROJECT**  
PROPOSED G+V STORIED (14.95 MT. HT.) RESIDENTIAL BUILDING AT J.L. NO. - 31, DAG NOS. - 190, KHATIAN NOS. - 3189, 3205, MOUZA - BASINA, DIST. - NORTH 24 PARGANAS.

DATE	JOB. NO.	DEALT	CHECKED	SHEET NO.
06.12.17	ARCH/634/2017	SMR/11		02 OF 03

ARCHITECT  
**RAJ AGARWAL & ASSOCIATES**  
88, ROYD STREET, KOLKATA - 18

FOR OFFICE USE ONLY