WATER HARVESTING SUMP CALCULATION :-

TERRACE FLOOR AREA =881.24 sqm.
RAIN WATER HARVESTING SUMP REQ. 6 CUM FOR EVERY 100 SQM. TERRACE AREA, SO TOTAL REQ. CAPACITY OF SUMP =8.81x 6 = 52.86 CUM.
PROVIDED TANK SIZE =4.00x3.00x5.00 =60.00 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 1,00,000 Ltrs — 1,00,000 Ltrs
06.O.H.W.TANK FOR FIRE FIGHTING —— 10,000 Ltrs.
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

GREEN SPACE CALCULATION :-

TOTAL NET PLOT AREA = 1391.26 sqm.
GREEN AREA REQUIRED @10% OF TOTAL PLOT AREA =139.12 S.qm. (REQ.)

PROVIDED GREEN SPACE AREA =166.47 sqm. (PROVIDED)

SEPTIC TANK CALCULATION :-

TOTAL NO. OF FLAT = 32 nos.
EACH FLAT HAVING 5 PERSON
SO TOTAL NO OF PERSON = 32 x 5 = 160 PERSON
PER PERSON NEED 0.085 CUM. CAPACITY OF SEPTIC TANK PER DAY SO TOTAL REQ. CAPACITY OF SEPTIC TANK = 160X0.085 = 13.60 CUM.&
(REQUIRED)

PROVIDED SEPTIC TANK 1 NOS
SIZE = 4.00 X 2.50 X1.50 = 15.00 CUM.
(PROVIDED)

WATER TANK CALCULATION :-

TOTAL NO. OF FLAT = 32 nos.
EACH FLAT HAVING 5 PERSON
SO TOTAL NO OF PERSON = 32 x 5 = 160 PERSON
PER PERSON NEED 135 Ltrs PER DAY

TOTAL PERSON NEED = 160 x135 = 21,600 Ltrs.
EXTRA TAKE FOR FIRE FIGHTING = 10,000 Ltrs.
TOTAL WATER TANK REQUIRED = 31,600 Ltrs.
(REQ.)

PROVIDED WATER TANK 2 NOS.SIZE
(1.)5.33 X 3.96 X 0.90 = 18,100 Ltrs.
(2.)4.70X3.69X0.90 = 15,608 Ltrs.
TOTAL = 33,708 Ltrs.
(PROVIDED)

SCHEDULE OF DOORS & WINDOWS 01/02

TYPE	WIDTH	HEIGHT	SILL	LINTEL	DESCRIPTION
D	1.07	2.13	0.0	2.13	Single Leaf Door
D1	0.91	2.13	0.0	2.13	Single Leaf Door
D2	0.76	2.13	0.0	2.13	Single Leaf Door
W	1.83	1.63	0.91	2.54	Glazed window
W1	1.52	1.63	0.91	2.54	Glazed window
W2	1.22	1.63	0.91	2.54	Glazed window
W3	0.91	1.47	1.07	2.54	Glazed window
DW	0.76X0.97	2.54X1.63	0.0X0.91	2.54	Glazed window
DW1	0.76X0.76	2.54X1.63	0.0X0.91	2.54	Glazed window
DW2	0.76X0.66	2.54X1.63	0.0X0.91	2.54	Glazed window
DW3	0.76X0.58	2.54X1.63	0.0X0.91	2.54	Glazed window
DW4	0.76X0.46	2.54X1.63	0.0X0.91	2.54	Glazed window
V	0.61	0.61	1.52	2.13	Ventilator

AREA CALCULATION :-

TOTAL PLOT AREA AS / DEED = 1392.06 sqm.
TOTAL PLOT AREA AS / SITE =1391.26 sqm.

	B/u Area
Ground Floor B/U Area	37.55 sqm.
First Floor B/U Area	831.24 sqm.
Second Floor B/U Area	831.24 sqm.
Third Floor B/U Area	831.24 sqm.
Fourth Floor B/U Area	831.24 sqm.
Total Area	3362.51 sqm.

F.A.R = 3362.51 / 1391.26=2.41

PARKING CALCULATION :-

TOTAL B/U AREA = 3362.51 sqm.
DEDUCT FOR SERVICE AREA @15 %OF TOTAL B/U AREA=(3362.51-504.38)=2858.13 SQM.
NET B/U AREA-2858.13 SQM.
PARKING AREA REQ. @ 25% OF NET B/U AREA.
SO PARKING AREA REQ. =2858.13 x 25% = 714.53 sqm.

(required)
PROVIDED GROUND FLOOR PARKING AREA = 800.53 SQM.
(provided)

PLOT DETAIL :-

PROPOSED RESIDENTIAL BUILDING OF GRIHINI HOMES.
PARTNER-SRI.PANKAJ KUMAR ,
S/O.- SRI. SIDHNATH SINGH,
SURVEY PLOT NO. -1264(P),KHATA NO.-30,
TAUZI NO.-5293,THANA NO.-49,
MAUZA -BADI KHAGAUAL,DIST-PATNA

SCALE.	NORTH.
1 : 100 1 : 200	

Pankaj Kumar
GRIHINI HOMES
Partners
SIGNATURE OF BUILDER / DEVELOPER

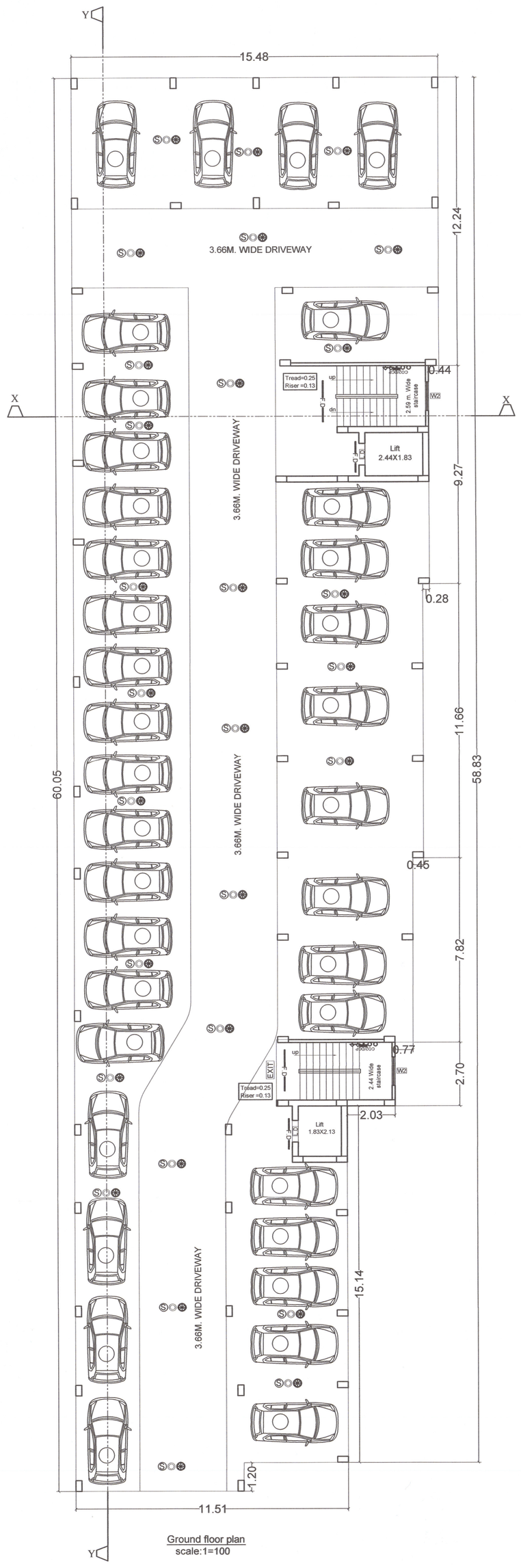
Sushil Kumar
Structure Engineer
Empanelment No - 2202/19 (BR)
Nagar Parishad Khagaul
Patna
SIGN. OF EMPANELED STR. ENGINEER

A.K. UMASHANKAR KUMAR
Regd. Professional Engineer
Regd. No.-PS/2021/15-16
Dist. No.-PS/PATSHAD, KHAGAUL
SIGN. OF EMPANELED ARCHITECT.

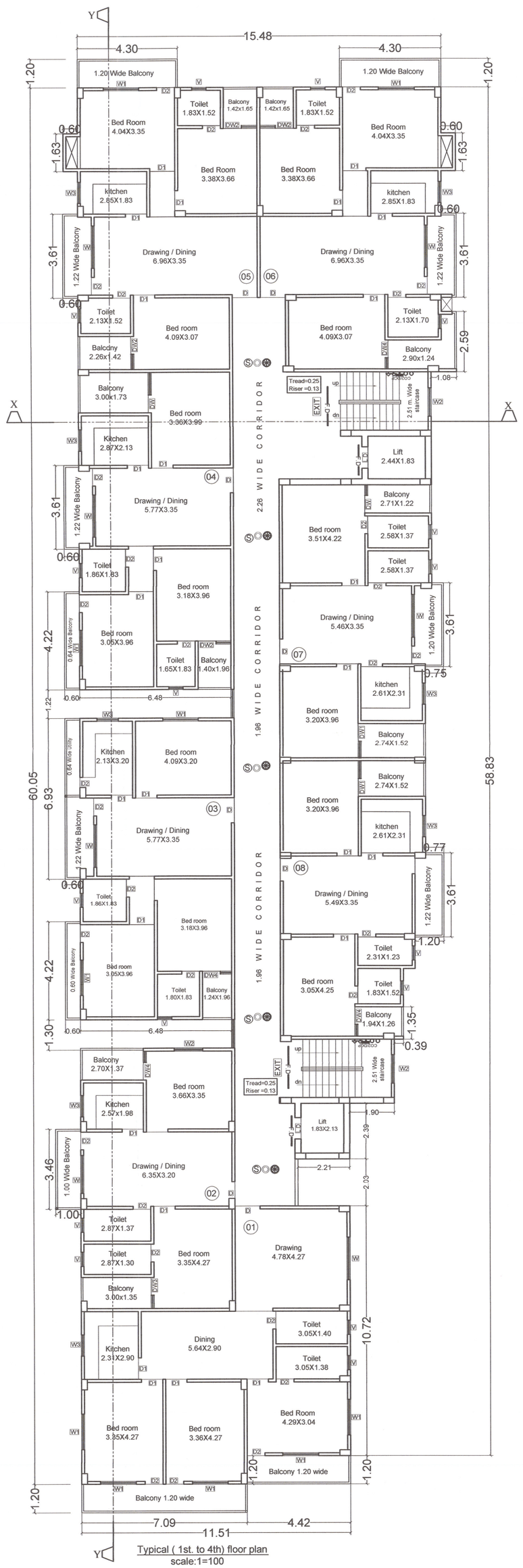
Building Plan No.-NPK-Basi Khagaul/Re./G+4/146/2022-23
भवन उपविधि के तहत भवन मानचित्र स्वीकृत किया जाता है।
दीवाल से
सरकारी या जीवन सुरक्षा के मार्गदर्शन का अतिक्रमण नहीं करना होगा, साथ ही साथ राष्ट्रीय के लिए विहार भवन उपविधि 2014 के अनुसार आगजनी छोड़ना होगा। भवन मालिक/अधिकारी सेवाएं होगा तथा अपने खर्च से सारी व्यवस्था करना होगा।
बरसाती पानी सही के लिए भूतल पर व्यवस्था करना होगा। भवन मालिक/अधिकारी सड़क की दिशाई से भवन मानचित्र तथा सड़क जमीन एवं उपापर सड़क फिर से सही तरीके से बना जायेगा। भवन मालिक को सुरक्षित संबंध पोल पर के लिए मान्य होगा। भवन से सटे जो भी NOC प्राप्त करना होगा। तकनीकी स्वीकृति/अनियमित की अनुमति के आधार पर पारित।

Assistant Engineer
Nagar Parishad
Khagaul
17/03/23

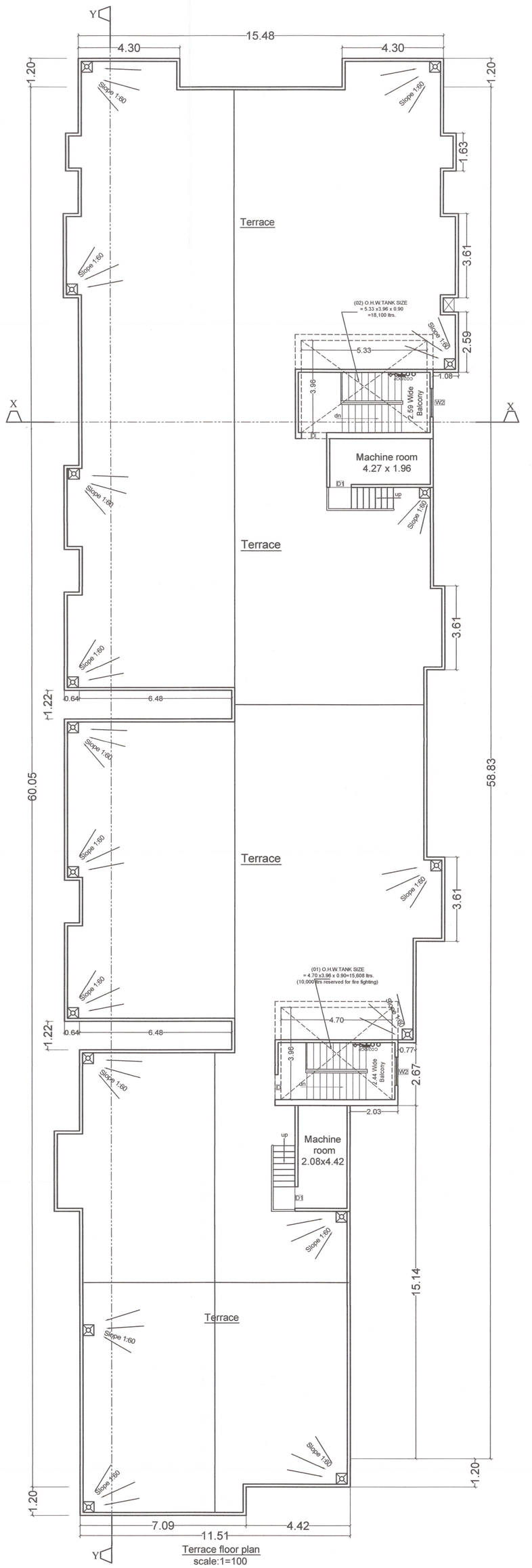
Junior Engineer
Nagar Parishad
Khagaul
13/03/2023



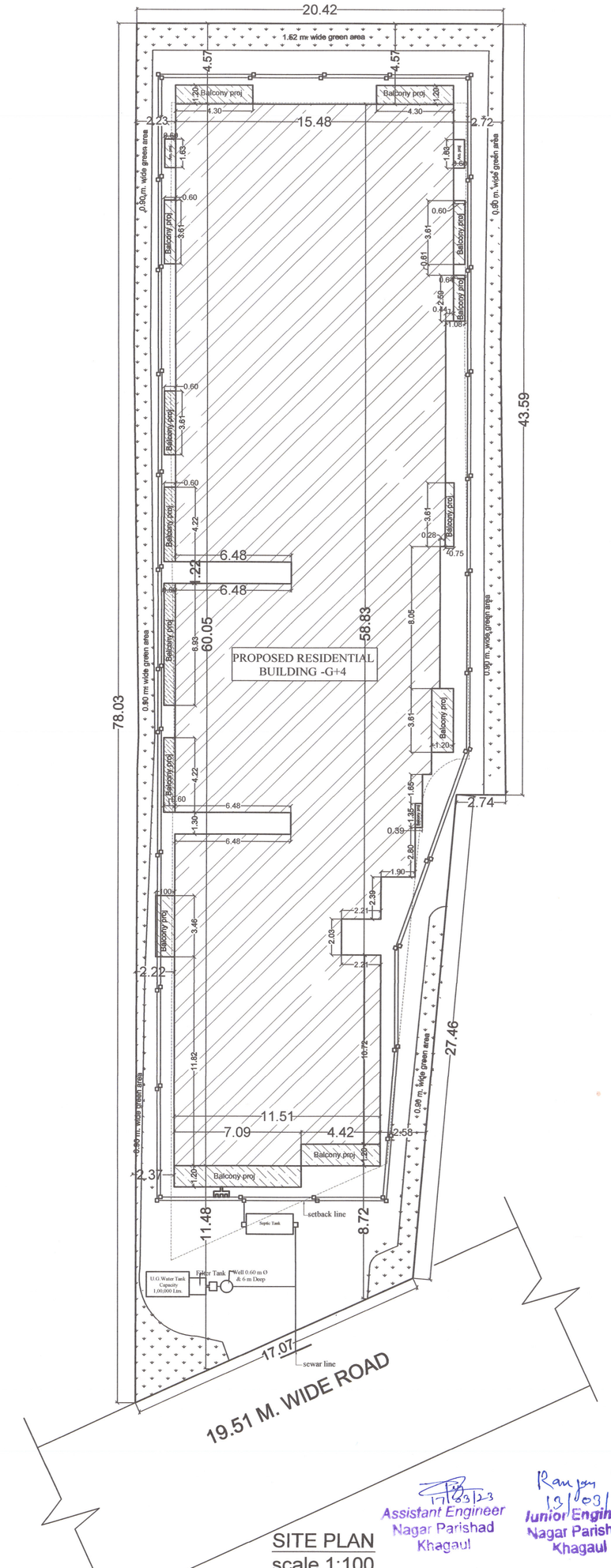
Ground floor plan
scale:1=100



Typical (1st. to 4th) floor plan
scale:1=100



Terrace floor plan
scale:1=100



SITE PLAN
scale 1:100