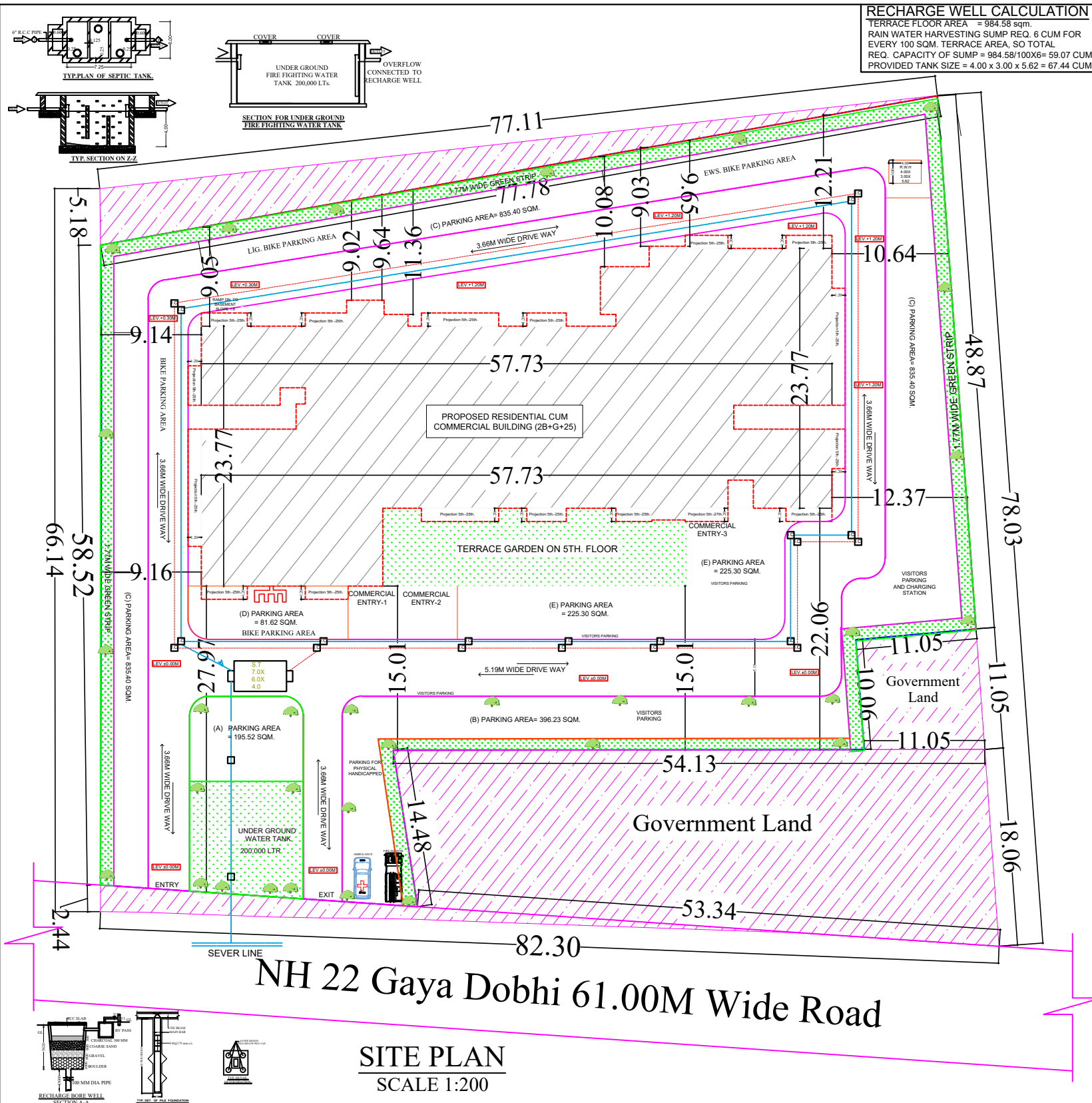




PARKING AREA CALCULATION

TOTAL BUILTUP AREA = 26508.54 SQM.
TOTAL SERVICE AREA @15% = 3976.28 SQM.
NET B/U AREA = 22532.26 SQM.
TOTAL REQ. PARKING AREA@30% = 6759.67 SQM.
TOTAL PARKING AREA PROVIDED AT
BASEMENT-1 = 1354.75 SQM.
BASEMENT-2 = 3282.22 SQM.
GROUND FLOOR = 420.63 SQM.
GROUND LEVEL = 1734.07 SQM.
TOTAL PROVIDED = 6791.67 SQM.

WATER TANK CALCULATION

TOTAL RESIDENTIAL AREA
TOTAL NO. OF FLAT = 168+40(EWS)+40(LIG) = 248 NOS.
ONE FLAT 5 PERSON
TOTAL NO. OF PERSON = 1248X 5 = 1240
ONE PERSON REQU. WATER = 135 LTR./DAY
TOTAL REQU. WATER = 1240 X 135 = 167400 LTR./DAY

TOTAL COMMERCIAL AREA
TOTAL BUILTUP AREA = 6402.26 SQM.
TOTAL CARPET AREA = 6402.26 / 2 = 3201.13 SQM.
HERE = 3201.13 / 5 = 640.22 PERSONS, SAY 641 PERSON
1 PERSON PER DAY 45 LTR./DAY 45 X 641 = 28845 LTR. REQ.

TOTAL REQ. WATER FOR FIRE FIGHTING FOR 10,000 LTR.
TOTAL REQ. WATER = 167400+28845+20000 = 216245 LTR.
TOTAL REQ. AREA OF WATER TANK = 216.24 CUM.
TOTAL PROVIDE AREA OF WATER TANK SIZE
(01) 6.71X6.73X1.37 = 61.86 CUM.
(02) 3.05X5.64X1.37 = 25.56 CUM.
(03) 3.05X6.07X1.37 = 25.36 CUM.
(04) 5.05X3.82X1.37 = 26.42 CUM.
(05) 3.05X6.15X1.37 = 25.69 CUM.
(06) 6.91X5.77X1.37 = 54.62 CUM.
(07) 3.05X5.64X1.37 = 25.56 CUM.
TOTAL = 241.07 CUM.
TOTAL PROVIDE TANK AREA = 241.07 CUM.

SEPTIC TANK CALCULATION

RESIDENTIAL
TOTAL NO. OF FLAT = 168+40(EWS)+40(LIG) = 248 NOS.
ONE FLAT 5 PERSON
TOTAL NO. OF PERSON = 1248X 5 = 1240

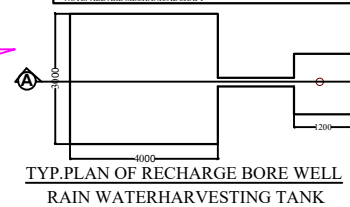
COMMERCIAL
TOTAL BUILTUP AREA = 6402.26 SQM.
TOTAL CARPET AREA = 6402.26 / 2 = 3201.13 SQM.
HERE = 3201.13 / 5 = 640.22 PERSONS, SAY 641 PERSON
TOTAL NO. OF PERSON = 1240+641 = 1881
ONE PERSON REQU. AREA = 0.085 C.M./DAY
TOTAL REQ. AREA = 1881 X 0.085 = 159.88 CUM./DAY
PROVIDE AREA OF SEPTIC TANK
(SIZE) = 7.00X6.00X4.00 = 168 CUM.

GREEN AREA CALCULATION

TOTAL PLOT AREA = 4452.75 SQM
DESIRABLE GREEN AREA @ 15% = 667.91 SQM.
PROVIDED GREEN AREA = 668.08 SQM.

LEGEND FOR FIRE FIGHTING.

- 1] FIRE RESISTANT CHECK DOOR — FD —
 - 2] FIRE HYDRANT — FH —
 - 3] HOSE REEL — HR —
 - 4] UNDER GROUND WATER STATIC TANK WITH
AUTOMATIC REFILLING ARRANGEMENT FOR FIRE
FIGHTING. 200000 LTR.
 - 5] FIRE EXTINGUISHER & (WCO2 TYPE ISI MARKED) — C02 —
 - 6] MANUAL CALL POINT — MCP —
 - 7] ILLUMINATED EXIT DIRECTIONAL SIGN — EXIT —
 - 8] SIAMESE CONNECTION — SC —
 - 9] P.A SYSTEM — PA —
 - 10] EMERGENCY LIGHTING SYSTEM — EL —
 - 11] SPRINKLER — S —
 - 12] SMOKE DETECTOR — SD —
 - 13] OVER HEAD WATER TANK FOR FIRE
FIGHTING- 100000 LTR.
- NOTE: ALL ARE MECHANICAL SHAFT



AREA STATEMENT

TOTAL PLOT AREA AS/SITE = 4452.75 SQM.
TOTAL BASEMENT-2 FLOOR B/U AREA = 54.83 SQM.
TOTAL BASEMENT-1 FLOOR B/U AREA = 70.83 SQM.
TOTAL GROUND FLOOR B/U AREA = 864.61 SQM.
TOTAL 1 ST. FLOOR B/U AREA = 1288.84 SQM.
TOTAL 2 ND. FLOOR B/U AREA = 1288.84 SQM.
TOTAL 3 RD. FLOOR B/U AREA = 1288.84 SQM.
TOTAL 4 TH. FLOOR B/U AREA = 1288.84 SQM.
TOTAL 5 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 6 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 7 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 8 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 9 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 10 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 11 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 12 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 13 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 14 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 15 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 16 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 17 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 18 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 19 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 20 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 21 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 22 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 23 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 24 TH. FLOOR B/U AREA = 984.58 SQM.
TOTAL 25 TH. FLOOR B/U AREA = 671.31 SQM.
TOTAL ALL FLOOR B/U AREA = 26508.54 SQM.
F.A.R. PERMISSIBLE = 6.00
F.A.R. ACHIEVED = 5.95
GROUND COVERAGE = 28.94 %

LIG AREA CALCULATION (FLAT NO.-04 & 08.)

TOTAL 5 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 6 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 7 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 8 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 9 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 10 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 11 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 12 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 13 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 14 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 15 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 16 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 17 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 18 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 19 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 20 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 21 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 22 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 23 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 24 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL 25 TH. FLOOR B/U AREA = 94.48 SQM.
TOTAL ALL FLOOR B/U AREA = 1984.08 SQM.
LIG % = 7.49

EWS AREA CALCULATION (FLAT NO.-02 & 10.)

TOTAL 5 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 6 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 7 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 8 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 9 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 10 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 11 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 12 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 13 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 14 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 15 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 16 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 17 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 18 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 19 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 20 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 21 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 22 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 23 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 24 TH. FLOOR B/U AREA = 63.76 SQM.
TOTAL 25 TH. FLOOR B/U AREA = 255.04 SQM.
TOTAL ALL FLOOR B/U AREA = 1530.24 SQM.
LIG % = 5.77

PARKING CALCULATION

TOTAL TERRACE AREA 1058.06 SQM.
REQU. AREA FOR RAIN WATER
HARVESTING = 6 CUM / 100 SQM.
TOTAL REQU. AREA FOR RAIN
WATER HARVESTING =
1058.06 / 100 = 10.58X 6 = 63.48 CUM.
PROVIDED SIZE = (5.00X4.00X3.50) = 70 CUM.

RAIN WATER HARVESTING CALCULATION

PROJECT NAME- HAYWOOD ALTITUDE

PLOT DETAILS .

PROPOSED COMMERCIAL CUM RESIDENTIAL
BUILDING FOR HAYWOOD SPACE RENOVETER
PVT. LTD. THROUGH ITS DIRECTOR
(01) MOHAMMAD ZEESHAN HASAN KHAN
S/O- MOHAMMAD ISRAR HASAN KHAN
(02) RABINA SINGH
D/O- SURENDRA KUMAR SINGH
AT MAUZA - TURI KHURD
PLOT NO. - 601,602,603,604,600 & 599
KHATA NO.- 34, 11 & 89
THANA NO. - 423
THANA - MAGADH UNIVERSITY
DIST. - GAYA (BIHAR).

NORTH
SCALE
1:100 / 1:200
DRG.NO.
01/8

SIGN. OF STRUCTURE
ENGINEER

SIGN. OF OWNER
SIGN. OF ARCHITECT

APPROVED BY