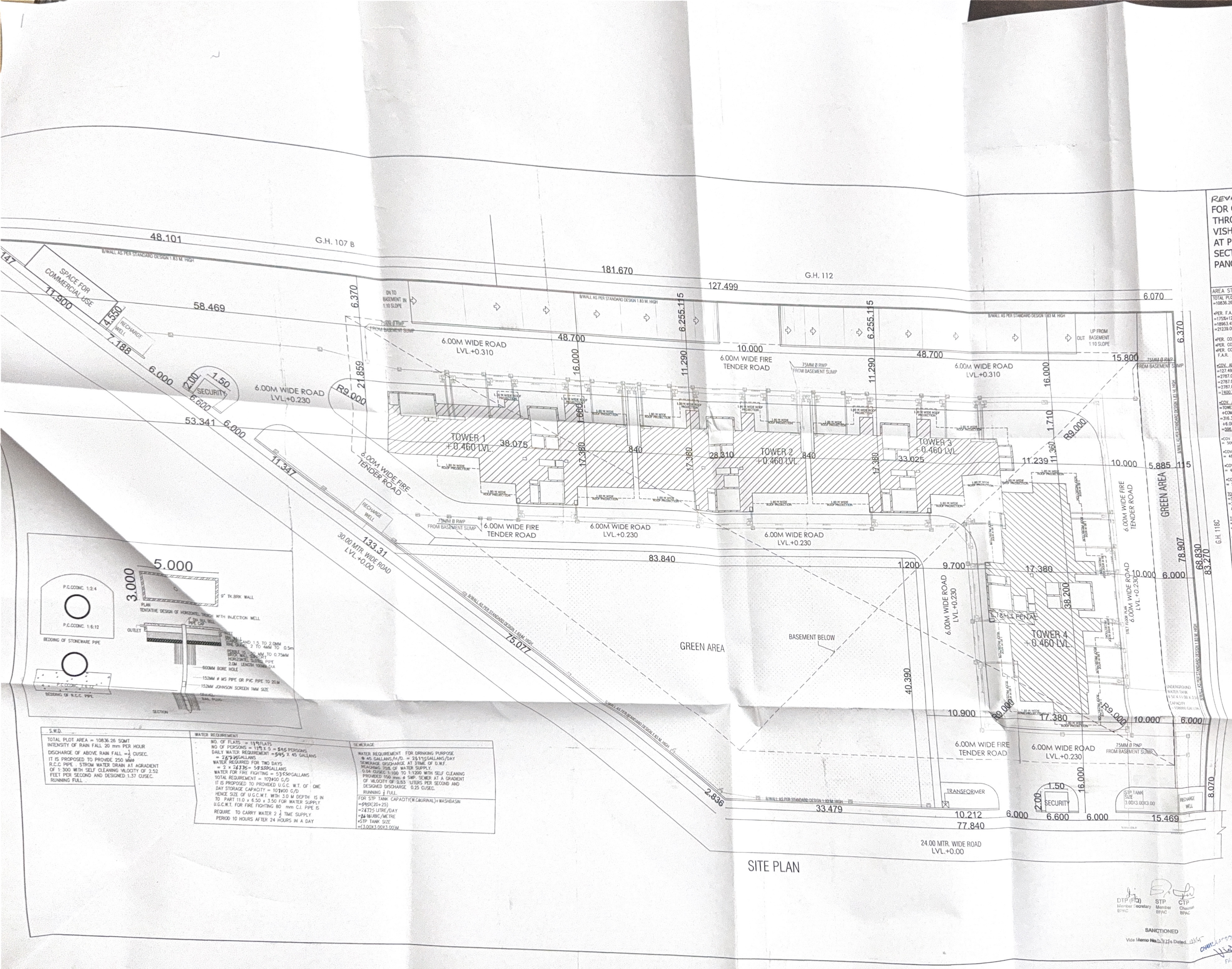

REVISED BUILDING PLAN FOR CHAWLA ASSOCIATE THROUGH ITS PARTNER VISHESH CHAWLA AT PLOT NO. - 107C SECTOR - 20 PANCHKULA

AREA STATEMENT

TOTAL PLOT AREA
=10836.26 SQ.MTR.

•PER. F.A.R
=175%+12%(GREEN AREA INCENTIVE)
=18963.455+2275.614
=21239.069 SQ.MTR.

•PER. COV. AREA ON GROUND FLOOR (35%)= 3792.691 SQ.MTR.
•PER. COMMERCIAL AREA ON GROUND FLOOR (0.5%)= 54.181 SQ.MTR
•PER. COV. AREA ON ALL FLOORS
F.A.R. = 21239.069 SQ.MTR.

•COV. AREA ON BASEMENT FLOOR)
=127.499X21.859+(127.499+68.934/2 X 46.971)
=2787.004+(196.433/2 X46.971)
=2787.004+(98.216X46.971)
=2787.004+4613.303
=7400.303 SQ.MTR.

•COV. AREA ON STILT FLOOR (GROUND FLOOR)
=TOWER1+TOWER2+TOWER3+TOWER4+COMMUNITY CENTRE
+COMMERCIAL AREA+2X3.0X3.00(SECURITY)
=316.365+67.597+82.348+70.513+54.145(COMMERCIAL AREA)
+6.00(SECURITY)
=596.968 SQ.MTR.

•COV. AREA OF TOWER 1 FIRST TO SIXTEENTH FLOOR
= 5000.56 SQ.MTR.

•COV. AREA OF TOWER 2 FIRST TO SIXTEENTH FLOOR
= 4853.662 SQ.MTR.

•COV. AREA OF TOWER 3 FIRST TO SIXTEENTH FLOOR
= 4845.217 SQ.MTR.

•COV. AREA OF TOWER 4 FIRST TO FIFTEENTH FLOOR
= 5919.66 SQ.MTR.

TOTAL COV. AREA
=596.968+5000.56+4853.662+4845.217+5919.66
=21216.067 SQ.MTR.
ACHIEVED FAR=21216.067/10836.26X100=195.787%

TOTAL COV. AREA WITH BASEMENT
=21216.067+7400.303
=28616.370 SQ.MTR.

SUPER AREA PER UNIT = 21216.067 / 119 = 178.290 SQ.MTR.
TOTAL NO. OF FLATS = 119 NOS.

(+TOWER1,TOWER2,TOWER3 & TOWER4)

PARKING

MINIMUM 1.5 EQUIVALENT CAR SPACE (ECS) FOR EACH DWELLING UNIT = 119X1.5=178.50 ECS REQUIRED

PER. AREA FOR PER CAR
BASEMENT = 32.00 SQ. MT.
STILT = 28.00 SQ. MT.
OPEN = 23.00 SQ. MT.

PARKING AREA ON BASEMENT FLOOR
=BASEMENT COVD. AREA - STILT COVD. AREA
(TOWER 1 TO TOWER 4)
=7400.303- 316.365+67.597+82.348+70.513
=7400.303- 536.823
=6863.480 SQ.MTR.
=6863.480/32
= 214 ECS

ORGANISED GREEN SPACE

MINIMUM ORGANISED GREEN SPACE REQUIRED
@ 15 % (10836.26 X15% = 1625.439 SQ.MTR.)
ORGANISED GREEN SPACE PROVIDED
=(13.24+13.24)X40.39+5.885X78.907
=(26.48)X40.39+464.367
=58.559X40.39+464.367
=2369.237+464.367
=2833.604 SQ.MTR.

S.W.D.

TOTAL PLOT AREA = 10836.26 SQMT
INTENSITY OF RAIN FALL 20 mm PER HOUR
DISCHARGE OF ABOVE RAIN FALL =1/2 CUSEC.
IT IS PROPOSED TO PROVIDE 250 MM ø
R.C.C PIPE . STROM WATER DRAIN AT AGRADIENT
OF 1:300 WITH SELF CLEANING VILOCITY OF 2.52
FEET PER SECOND AND DESIGNED 1.37 CUSEC.
RUNNING FULL .

WATER REQUIREMENT

NO. OF FLATS = 119FLATS
NO OF PERSONS = 119 X 5 = 595 PERSONS
DAILY WATER REQUIREMENT =595 X 45 GALLANS
= 26775GALLANS
WATER REQUIRED FOR TWO DAYS
= 2 X 26775= 53550GALLANS
WATER FOR FIRE FIGHTING = 53550GALLANS
TOTAL REQUIREMENT = 107100 G/D
IT IS PROPOSED TO PROVIDED U.G.C. W.T. OF ONE DAY STORAGE CAPACITY = 107100 G/D
HENCE SIZE OF U.G.C.W.T. WITH 3.0 M DEPTH IS IN TO PART 11.0 x 6.50 x 3.50 FOR WATER SUPPLY
U.G.C.W.T. FOR FIRE FIGHTING 80 mm C.I. PIPE IS REQUIRE TO CARRY WATER 2 1/2 TIME SUPPLY PERIOD 10 HOURS AFTER 24 HOURS IN A DAY

SEWERAGE

WATER REQUIREMENT FOR DRINKING PURPOSE
@ 45 GALLANS/H/D. = 26775GALLANS/DAY
SEWERAGE DISCHARGE AT 81%ME OF D.W.F.
REACHING 75% OF WATER SUPPLY.
0.04 CUSEC. 1:100 TO 1:1200 WITH SELF CLEANING
PROVIDED 150 mm ø SWP. SEWER AT A GRADIENT
OF VILOCITY OF 2.53 LITERS PER SECOND AND
DESIGNED DISCHARGE 0.25 CUSEC.
RUNNING 1/2 FULL

FOR STP TANK CAPACITY(W.C.&URINAL)+WASHBASIN
=595X(20+25)
=26775 LITRE/DAY
=26.78LIBIC/METRE
•STP TANK SIZE
=(3.00X3.00X3.00)M

SITE PLAN | SHEET NO. of

TITLE :- SUBMISSION DRAWING

SCALE :- 1:200

DRAWN BY :- RAJU | DATED :-

CHECKED BY :- SANDEEP

CHAWLA ASSOCIATE
PARTNER

OWNER

ARCHITECT
archaid
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