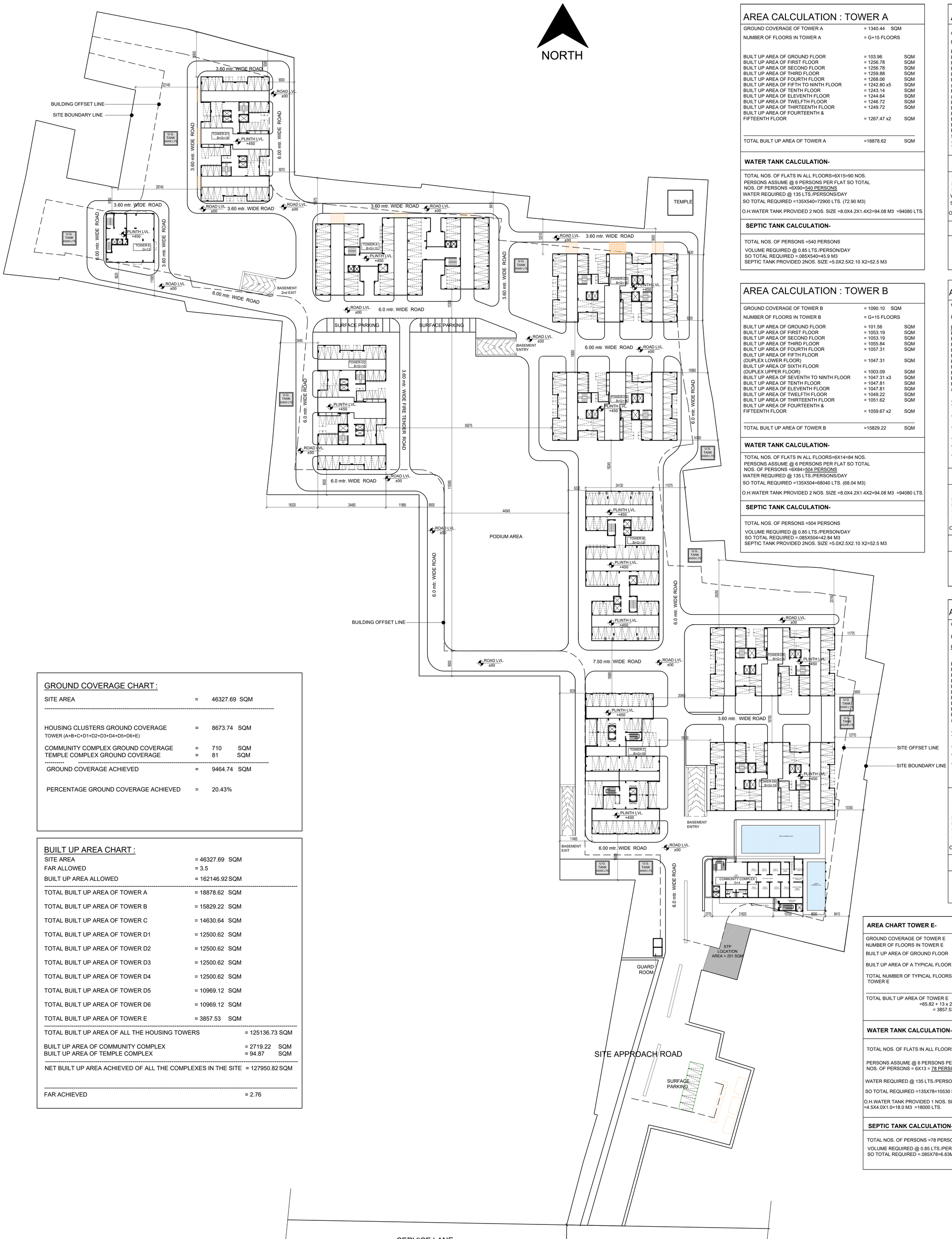


GROUND COVERAGE CHART :

SITE AREA	=	46327.69	SQM
HOUSING CLUSTERS GROUND COVERAGE TOWER (A+B+C+D1+D2+D3+D4+D5+D6+E)	=	8673.74	SQM
COMMUNITY COMPLEX GROUND COVERAGE	=	710	SQM
TEMPLE COMPLEX GROUND COVERAGE	=	81	SQM
GROUND COVERAGE ACHIEVED	=	9464.74	SQM
PERCENTAGE GROUND COVERAGE ACHIEVED	=	20.43%	

BUILT UP AREA CHART :

SITE AREA	= 46327.69	SQM
FAR ALLOWED	= 3.5	
BUILT UP AREA ALLOWED	= 162146.92	SQM
TOTAL BUILT UP AREA OF TOWER A	= 18878.62	SQM
TOTAL BUILT UP AREA OF TOWER B	= 15829.22	SQM
TOTAL BUILT UP AREA OF TOWER C	= 14630.64	SQM
TOTAL BUILT UP AREA OF TOWER D1	= 12500.62	SQM
TOTAL BUILT UP AREA OF TOWER D2	= 12500.62	SQM
TOTAL BUILT UP AREA OF TOWER D3	= 12500.62	SQM
TOTAL BUILT UP AREA OF TOWER D4	= 12500.62	SQM
TOTAL BUILT UP AREA OF TOWER D5	= 10969.12	SQM
TOTAL BUILT UP AREA OF TOWER D6	= 10969.12	SQM
TOTAL BUILT UP AREA OF TOWER E	= 3857.53	SQM
TOTAL BUILT UP AREA OF ALL THE HOUSING TOWERS	= 125136.73	SQM
BUILT UP AREA OF COMMUNITY COMPLEX	= 2719.22	SQM
BUILT UP AREA OF TEMPLE COMPLEX	= 94.87	SQM
NET BUILT UP AREA ACHIEVED OF ALL THE COMPLEXES IN THE SITE	= 127950.82	SQM
FAR ACHIEVED	= 2.76	

AREA CALCULATION : TOWER A

GROUND COVERAGE OF TOWER A	= 1340.44	SQM
NUMBER OF FLOORS IN TOWER A	= G+15 FLOORS	
BUILT UP AREA OF GROUND FLOOR	= 103.96	SQM
BUILT UP AREA OF FIRST FLOOR	= 1256.78	SQM
BUILT UP AREA OF SECOND FLOOR	= 1256.78	SQM
BUILT UP AREA OF THIRD FLOOR	= 1259.88	SQM
BUILT UP AREA OF FOURTH FLOOR	= 1268.06	SQM
BUILT UP AREA OF FIFTH TO NINTH FLOOR	= 1242.80 x5	SQM
BUILT UP AREA OF TENTH FLOOR	= 1243.14	SQM
BUILT UP AREA OF ELEVENTH FLOOR	= 1244.64	SQM
BUILT UP AREA OF TWELFTH FLOOR	= 1246.72	SQM
BUILT UP AREA OF THIRTEENTH FLOOR	= 1249.72	SQM
BUILT UP AREA OF FOURTEENTH & FIFTEENTH FLOOR	= 1267.47 x2	SQM
TOTAL BUILT UP AREA OF TOWER A	=18878.62	SQM

WATER TANK CALCULATION-

TOTAL NOS. OF FLATS IN ALL FLOORS=6X15=90 NOS.
PERSONS ASSUME @ 6 PERSONS PER FLAT SO TOTAL NOS. OF PERSONS =6X90=540 PERSONS
WATER REQUIRED @ 135 LTS./PERSONS/DAY
SO TOTAL REQUIRED =135X540=72900 LTS. (72.90 M3)

O.H.WATER TANK PROVIDED 2 NOS. SIZE =8.0X4.2X1.4X2=94.08 M3 =94080 LTS.

SEPTIC TANK CALCULATION-

TOTAL NOS. OF PERSONS =540 PERSONS
VOLUME REQUIRED @ 0.85 LTS./PERSON/DAY
SO TOTAL REQUIRED =.085X540=45.9 M3
SEPTIC TANK PROVIDED 2NOS. SIZE =5.0X2.5X2.10 X2=52.5 M3

AREA CALCULATION : TOWER B

GROUND COVERAGE OF TOWER B	= 1090.10	SQM
NUMBER OF FLOORS IN TOWER B	= G+15 FLOORS	
BUILT UP AREA OF GROUND FLOOR	= 101.56	SQM
BUILT UP AREA OF FIRST FLOOR	= 1053.19	SQM
BUILT UP AREA OF SECOND FLOOR	= 1053.19	SQM
BUILT UP AREA OF THIRD FLOOR	= 1055.84	SQM
BUILT UP AREA OF FOURTH FLOOR	= 1057.31	SQM
BUILT UP AREA OF FIFTH FLOOR (DUPLEX LOWER FLOOR)	= 1047.31	SQM
BUILT UP AREA OF SIXTH FLOOR (DUPLEX UPPER FLOOR)	= 1003.09	SQM
BUILT UP AREA OF SEVENTH TO NINTH FLOOR	= 1047.31 x3	SQM
BUILT UP AREA OF TENTH FLOOR	= 1047.81	SQM
BUILT UP AREA OF ELEVENTH FLOOR	= 1047.81	SQM
BUILT UP AREA OF TWELFTH FLOOR	= 1049.22	SQM
BUILT UP AREA OF THIRTEENTH FLOOR	= 1051.62	SQM
BUILT UP AREA OF FOURTEENTH & FIFTEENTH FLOOR	= 1059.67 x2	SQM
TOTAL BUILT UP AREA OF TOWER B	=15829.22	SQM

WATER TANK CALCULATION-

TOTAL NOS. OF FLATS IN ALL FLOORS=6X14=84 NOS.
PERSONS ASSUME @ 6 PERSONS PER FLAT SO TOTAL NOS. OF PERSONS =6X84=504 PERSONS
WATER REQUIRED @ 135 LTS./PERSONS/DAY
SO TOTAL REQUIRED =135X504=68040 LTS. (68.04 M3)

O.H.WATER TANK PROVIDED 2 NOS. SIZE =8.0X4.2X1.4X2=94.08 M3 =94080 LTS.

SEPTIC TANK CALCULATION-

TOTAL NOS. OF PERSONS =504 PERSONS
VOLUME REQUIRED @ 0.85 LTS./PERSON/DAY
SO TOTAL REQUIRED =.085X504=42.84 M3
SEPTIC TANK PROVIDED 2NOS. SIZE =5.0X2.5X2.10 X2=52.5 M3

AREA CALCULATION : TOWER C

GROUND COVERAGE OF TOWER C	= 978.15	SQM
NUMBER OF FLOORS IN TOWER C	= G+16 FLOORS	
BUILT UP AREA OF GROUND FLOOR	= 85.88	SQM
BUILT UP AREA OF FIRST FLOOR	= 912.53	SQM
BUILT UP AREA OF SECOND FLOOR	= 913.14	SQM
BUILT UP AREA OF THIRD FLOOR	= 915.02	SQM
BUILT UP AREA OF FOURTH FLOOR	= 918.76	SQM
BUILT UP AREA OF FIFTH FLOOR (DUPLEX LOWER FLOOR)	= 910.18	SQM
BUILT UP AREA OF SIXTH FLOOR (DUPLEX UPPER FLOOR)	= 868.54	SQM
BUILT UP AREA OF SEVENTH TO TENTH FLOOR	= 910.18 x4	SQM
BUILT UP AREA OF ELEVENTH FLOOR	= 906.44	SQM
BUILT UP AREA OF TWELFTH FLOOR	= 907.71	SQM
BUILT UP AREA OF THIRTEENTH FLOOR	= 910.32	SQM
BUILT UP AREA OF FOURTEENTH FLOOR	= 912.28	SQM
BUILT UP AREA OF FIFTEENTH & SIXTEENTH FLOOR	= 914.56 x2	SQM
TOTAL BUILT UP AREA OF TOWER C	=14630.64	SQM

WATER TANK CALCULATION-

TOTAL NOS. OF FLATS IN ALL FLOORS=6X16=96 NOS.
PERSONS ASSUME @ 6 PERSONS PER FLAT SO TOTAL NOS. OF PERSONS =6X96=576 PERSONS
WATER REQUIRED @ 135 LTS./PERSONS/DAY
SO TOTAL REQUIRED =135X576=77760 LTS. (77.60 M3)

O.H.WATER TANK PROVIDED 2 NOS. SIZE =8.0X4.5X1.4X2=100.8 M3 =100800 LTS.

SEPTIC TANK CALCULATION-

TOTAL NOS. OF PERSONS =576 PERSONS
VOLUME REQUIRED @ 0.85 LTS./PERSON/DAY
SO TOTAL REQUIRED =.085X576=48.96 M3
SEPTIC TANK PROVIDED 2NOS. SIZE =5.0X2.7X2.10 X2=56.7 M3

AREA CALCULATION TOWER D1, D2, D3, D4

GROUND COVERAGE OF TOWER D1, D2, D3, D4 EACH	= 827.56	SQM
NUMBER OF FLOORS IN EACH TOWER	= G+16 FLOORS	
BUILTUP AREA CALCULATION PER TOWER:		
BUILT UP AREA OF GROUND FLOOR	= 85.88	SQM
BUILT UP AREA OF FIRST FLOOR	= 768.89	SQM
BUILT UP AREA OF SECOND FLOOR	= 771.09	SQM
BUILT UP AREA OF THIRD FLOOR	= 773.36	SQM
BUILT UP AREA OF FOURTH FLOOR	= 776.89	SQM
BUILT UP AREA OF FIFTH TO ELEVENTH FLOOR	= 765.75 x7	SQM
BUILT UP AREA OF TWELFTH FLOOR	= 772.44	SQM
BUILT UP AREA OF THIRTEENTH FLOOR	= 792.48	SQM
BUILT UP AREA OF FOURTEENTH FLOOR	= 796.42	SQM
BUILT UP AREA OF FIFTEENTH FLOOR & SIXTEENTH FLOOR	= 801.46 x2	SQM
TOTAL BUILT UP AREA OF TOWER D1	=12500.62	SQM
TOTAL BUILT UP AREA OF TOWER D2	=12500.62	SQM
TOTAL BUILT UP AREA OF TOWER D3	=12500.62	SQM
TOTAL BUILT UP AREA OF TOWER D4	=12500.62	SQM
TOTAL BUILT UP AREA OF TOWER D1+D2+D3+D4	= 50002.48	SQM

WATER TANK CALCULATION- (PER TOWER)

TOTAL NOS. OF FLATS IN ALL FLOORS =6x16 =96 NOS.
PERSONS ASSUME @ 6 PERSONS PER FLAT SO TOTAL NOS. OF PERSONS =6x96= 576 PERSONS
WATER REQUIRED @ 135 LTS./PERSONS/DAY
SO TOTAL REQUIRED =135X576=77760 LTS. (77.60 M3)

O.H.WATER TANK PROVIDED 2 NOS. SIZE =7.5X4.5X1.4X2=94.5 M3 =94500 LTS.

SEPTIC TANK CALCULATION- (PER TOWER)

TOTAL NOS. OF PERSONS =576 PERSONS
VOLUME REQUIRED @ 0.85 LTS./PERSON/DAY
SO TOTAL REQUIRED =.085X576=48.96 M3
SEPTIC TANK PROVIDED 2NOS. SIZE =5.0X3.0X2.10 X2=63 M3

AREA CALCULATION TOWER D5, D6

GROUND COVERAGE OF TOWER D5, D6 EACH	= 827.56	SQM
NUMBER OF FLOORS IN EACH TOWER	= G+14 FLOORS	
BUILTUP AREA CALCULATION PER TOWER:		
BUILT UP AREA OF GROUND FLOOR	= 85.88	SQM
BUILT UP AREA OF FIRST FLOOR	= 768.89	SQM
BUILT UP AREA OF SECOND FLOOR	= 771.09	SQM
BUILT UP AREA OF THIRD FLOOR	= 773.36	SQM
BUILT UP AREA OF FOURTH FLOOR	= 776.89	SQM
BUILT UP AREA OF FIFTH TO NINTH FLOOR	= 765.75 x5	SQM
BUILT UP AREA OF TENTH FLOOR	= 772.44	SQM
BUILT UP AREA OF ELEVENTH FLOOR	= 792.48	SQM
BUILT UP AREA OF TWELFTH FLOOR	= 796.42	SQM
BUILT UP AREA OF THIRTEENTH FLOOR & FORTEENTH FLOOR	= 801.46 x2	SQM
TOTAL BUILT UP AREA OF TOWER D5	=10969.12	SQM
TOTAL BUILT UP AREA OF TOWER D6	=10969.12	SQM
TOTAL BUILT UP AREA OF TOWER D5+D6	= 21938.24	SQM

WATER TANK CALCULATION- (PER TOWER)

TOTAL NOS. OF FLATS IN ALL FLOORS =6x13+1x4 =82 NOS.
PERSONS ASSUME @ 6 PERSONS PER FLAT SO TOTAL NOS. OF PERSONS =6x82 = 492 PERSONS
WATER REQUIRED @ 135 LTS./PERSONS/DAY
SO TOTAL REQUIRED =135X564=66420 LTS. (66.42 M3)

O.H.WATER TANK PROVIDED 2 NOS. SIZE =7.0X4.5X1.4X2=88.2 M3 =88200 LTS.

SEPTIC TANK CALCULATION- (PER TOWER)

TOTAL NOS. OF PERSONS =492 PERSONS
VOLUME REQUIRED @ 0.85 LTS./PERSON/DAY
SO TOTAL REQUIRED =.085X564=41.82 M3
SEPTIC TANK PROVIDED 2NOS. SIZE =5.0X2.5X2.10 X2=52.5 M3

AREA CHART TOWER E-

GROUND COVERAGE OF TOWER E	= 299.69 SQM
NUMBER OF FLOORS IN TOWER E	= G+13 floors
BUILT UP AREA OF GROUND FLOOR	= 65.82 SQM
BUILT UP AREA OF A TYPICAL FLOOR	= 291.67 SQM
TOTAL NUMBER OF TYPICAL FLOORS IN TOWER E	= 13 floors
TOTAL BUILT UP AREA OF TOWER E	=65.82 + 13 x 291.67 SQM = 3857.53 SQM

WATER TANK CALCULATION-

TOTAL NOS. OF FLATS IN ALL FLOORS=1X13=13 NOS.
PERSONS ASSUME @ 6 PERSONS PER FLAT SO TOTAL NOS. OF PERSONS = 6X13 = 78 PERSONS
WATER REQUIRED @ 135 LTS./PERSONS/DAY
SO TOTAL REQUIRED =135X78=10530 LTS. (10.53 M3)

O.H.WATER TANK PROVIDED 1 NOS. SIZE =4.5X4.0X1.0=18.0 M3 =18000 LTS.

SEPTIC TANK CALCULATION-

TOTAL NOS. OF PERSONS =78 PERSONS
VOLUME REQUIRED @ 0.85 LTS./PERSON/DAY
SO TOTAL REQUIRED =.085X78=6.63M3

AREA CALCULATION OF COMMUNITY COMPLEX

GROUND COVERAGE OF COMMUNITY COMPLEX	= 710	SQM
BUILT UP AREA OF GROUND FLOOR	= 501.82	SQM
BUILT UP AREA OF FIRST FLOOR	= 513.4	SQM
BUILT UP AREA OF SECOND FLOOR	= 710	SQM
BUILT UP AREA OF THIRD FLOOR	= 497	SQM
BUILT UP AREA OF FOURTH FLOOR	= 497	SQM
TOTAL BUILT UP AREA OF COMMUNITY COMPLEX	= 2719.22	SQM

WATER TANK CALCULATION-

TOTAL BUILT UP AREA OF COMMUNITY COMPLEX	= 2719.22	SQM
CARPET AREA	= 2719.22/2	SQM
	= 1359.61	SQM

TAKING DENSITY OF 3.5 SQM PER PERSON:
OCCUPANCY OF COMMUNITY COMPLEX
= 1359.61/3.5 = 389 PERSON

WATER REQUIREMENT = 389X135 LTS.
= 52515 LTS. = 52.52 M3

O.H.WATER TANK PROVIDED 2 NOS. SIZE =6X4.5X1.4X2=75.6 M3 =75600 LTS.

SEPTIC TANK CALCULATION-

TOTAL NOS. OF PERSONS =389 PERSONS
VOLUME REQUIRED @ 0.85 LTS./PERSON/DAY
SO TOTAL VOLUME REQUIRED =.085X389=33.07 M3

SEPTIC TANK PROVIDED 2NOS. SIZE =4X2.5X2.10X2=42M3

AREA CALCULATION OF TEMPLE COMPLEX

GROUND COVERAGE OF TEMPLE COMPLEX	= 81	SQM
BUILT UP AREA OF TEMPLE COMPLEX	= 94.87	SQM
TOTAL BUILT UP AREA OF TEMPLE COMPLEX	= 94.87	SQM

LEGEND OF AREA TYPE

S.N.	TYPE OF AREA	AREA NAME
02		PAVED AREA
03	U.G.O. TANK 60000 LTR	UNDERGROUND WATER RESERVOIR FOR FIRE

NOTE:-

1. DRAWING AND DIMENSIONS ARE ONLY TO BE READ AND NOT SCALED.
2. UNLESS OTHERWISE MENTIONED, ALL DIMENSIONS ARE GIVEN IN MILLIMETERS.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL, STRUCTURAL AND SERVICES DRAWINGS.
4. ALL LEVELS GIVEN IN DRAWING ARE WITH REFERENCE TO THE N.G.L. AS BENCHMARKED AT SITE.
5. ANY DISCREPANCY BETWEEN THE ARCHITECTURAL /STRUCTURAL OR SERVICES DRAWINGS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BY THE CONTRACTOR OR PROJECT MANAGER, BEFORE EXCECUTION OF THE SAME.

CONSULTANTS	NAME	PHONE NO.
STRUCTURE	----	--
PLUMBING	----	--
ELECTRICAL	----	--
LANDSCAPE	----	--

KEY PLAN

REVISION NO.	DATE	DESCRIPTION
R1	30/04/2018	REVISED TOWER BLOCK

PROJECT TITLE:

THE GREAT ASHOKA CITY

NH-30, PATNACITY, PATNA

DEVELOPER:

APARNA ARCHITECT & ENGICONS PVT. LTD.

PLOT NO. 2536, 2537, 2539, 2540, 2644, 2645, 2654, 2655, 2656, 2658, 2659, 2660, 2661, 2662, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2692, 2693, 2696, 2699, 2733, 2734, 2754, 2755, 2756, 2757, 2758, 2766, 2767, 2768, 2769 & 2770

KHATA NO. 125, 262, 266, 513, 616, 1397, 5371396, 608/1474, 495, 528, 568, 550, 608, 1954/95, 573, 495, 493, 622, 558, 512, 566, 513, 534/580, 528, 516, 577, 622, 623, 502, 573, 502, 619, 488, 517, 1430, 517, 1262, 1251, 1241, 1395, 537/1396, 1407, 1401, 1402

THANA NO. 19, MAUZA - RANIPUR, NORTH OF NH-30, ADJACENT TO BRIJ HONDA, PATNACITY, PATNA

BUILDING:

SHEET TITLE

GROUND FLOOR PLAN

AKS/TGAC/A/PRDA/100.2

Scale	1:500 @ A0
DATE:	28-10-2017
DRAWN BY:	CHECKED BY
JITENDRA	ATUL

NORTH

SHEET No. 02

Rev. No. 00

STUDIO TOOLBOX
PRINCIPAL ARCHITECT
ATUL SHEKHAR B.arch
E: atulshekhar@gmail.com
P: +91-9555196053
93, SIDDHARTHA ENCLAVE,NEW DELHI-110014

SIGNATURE OF OWNER

SIGNATURE OF ENGINEERS