SEPTIC TANK CALCULATION

BUILDING No.	NUMBER OF TENEMENT	POPULATION PER UNIT	TOTAL POPULATION (APPROX)	COLD WATER REQUIREMENT				GROSS WATER REQUIREMENT	% FLOW TO SEWER		TOTAL FLOW	TOTAL FLOW TO SEPTIC TANK	TOTAL PROVIDED SEPTIC TANK SIZE	TOTAL PROVIDED SEPTIC TANK CAPACITY
				FLUSHING (A)		DOMESTIC (B)		(A+B)	FLUSHING 100%	DOMESTIC 85%				
				LPCD	LPD	LPCD	LPD	LPD	LPD	LPD	LPD	KLD	IN M.	KLD
1	FLATS (38)	5	190	54	10260	135	25650	35910	10260	21802.5	32062.5	32.06	TANK-2 = 6.00X3.00X1.80	32.4
TOTAL REQUIRED CAPACITY OF SEPTIC TANK											32062.50	32.06		32.4
TOTAL PROVIDED SEPTIC TANK														32400 LTRS

WATER STORAGE CAPACITY CALCULATION

BLDG. NO.	TOTAL NO. OF FLATS	ADD. TOILET 135 LITER	POPULATION	WATER REQUIREMENTS (IN LITER)			UGT PROVIDED		
				ADD. TOILET	POPULATION	TOTAL	TANK NUMBER	SIZE/ DIMENSION	CAPACITY (LTR.)
[1]	[2]	[3]	[4]=[2]X5	[5]=[3]X180	[6]=[4]X189	[7]=[5]+[6]	[8]	[9]	[10]
1	38	8	190	1440	35910	37350	TANK NO. 1	6.50X3.00X2.00	39,000
TOTAL	38	8	190	1440	35910	37350	39,000 LTRS.		

NOTE;
1) FOR RESIDENTIAL UNIT 5 PERSONS PER TENEMENT.
2) WATER REQUIREMENT PER CAPITA = 135(DOMESTIC)+54(FLUSHING)=189 LTRS. PER CAPITA.
3) WATER REQUIREMENT FOR ADD. TOILET = 180 LTRS. PER TENEMENT.
4) SIZE OF WATER TANK IS EXCLUSING THE FREE BOARD.

PROPOSED O.H. WATER TANK

BUILDING - 1

WING	TANK	U.G. TANK CAPACITY	50% REQUIRED O.H.T WATER CAPACITY	TANK SIZE	PROPOSED CAPACITY	TOTAL O.H. TANK PROPOSED CAPACITY
A	(DOM. TANK)	37350	18675	2.50X5.50X1.50	9.375	CAPACITY-9,375 LTRS
	(FLUS. TANK)			2.50X1.50X1.50	5.625	CAPACITY- 5,625 LTRS
B	(DOM. TANK)			2.50X5.50X1.50	9.375	CAPACITY-9,375 LTRS
	(FLUS. TANK)			2.50X1.50X1.50	5.625	CAPACITY- 5,625 LTRS
TOTAL			18675		30.000	30,000 LTRS.

R. G. AREA CALCULATION

Sr. No.	Triangle Number	Number of triangle	1/2	Base (m)	Height (m)	Area (Sqm)
(1)	(2)	(3)	(4)	(5)	(6)	(7) = (3)X(4)X(5)X(6)
1	1	1	1/2	24.122	9.401	113.385
2	2	1	1/2	24.122	5.200	62.717
3	3	1	1/2	23.222	6.210	72.104
4	4	1	1/2	21.660	0.257	2.783
					TOTAL R.G. AREA	250.990

***Parking Area Statement

Sr. No.	Occupancy	One Parking Space for Every	Number of units	Standard Car	Parking type Car	Parking type Scooter
(1)	(2)	(3)	(4)	(5)=(3)x(4)	(6)	(7)
1	4 tenements having carpet area upto 35 sq.m. each.	0.25	30	8	8	
	2 tenements with carpet area exceeding 35 sq.m. each and having area up to 45 sq. m. each.	0.5	8	4	4	
	Subtotal Parking required				12	
	Visitor Parking 10% of above (12 X 10%)				2	
					14	17.5
	Total Parking Required				14	8.75
	Total Parking Provided				14	10

Note : No. of Scooter Parking = (No. of Car) X (12.5 i.e. area of parking) X (10%) / (2 i.e. Area of Scooter Parking)

Balcony Area Statement*

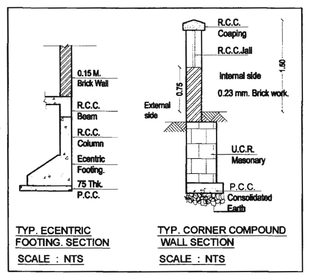
Building Number	Floor	Built-Up-Area (Sqm)	Permissible balcony Area (Sqm)	Proposed Balcony Area (In Sqm) Enclosed	Open	Total	Excess
(1)	(2)	(3)	(4)=(3) X 15%	(5)	(6)	(7)	If(7)>(4), (8)=(7)-(4)
1	Ground Floor	46.990	0.000	0.000	0.000	0.000	0.000
	1st Floor	404.229	60.634	43.000	6.125	49.125	0.000
	2nd Floor	404.229	60.634	43.000	6.125	49.125	0.000
	3rd Floor	404.229	60.634	43.000	6.125	49.125	0.000
	4th Floor	340.649	51.097	35.680	6.125	41.805	0.000
Total		1600.326	233.000	164.680	24.500	189.180	0.000

Terrace Area Statement*

Building Number	Floor	Built-Up-Area (Sqm)	Permissible Terrace Area (Sqm)	Proposed Terrace Area (In Sqm) Total	Excess
(1)	(2)	(3)	(4)=(3) X 20%	(5)	If(5)>(4), (6)=(5)-(4)
1	Ground Floor	46.990	0.000	0.000	0.000
	1st Floor	404.229	80.846	52.996	0.000
	2nd Floor	404.229	80.846	34.058	0.000
	3rd Floor	404.229	80.846	52.996	0.000
	~~4th Floor~~	~~340.649~~	~~68.130~~	~~24.892~~	~~0.000~~
Total		1600.326	310.667	164.942	0.000

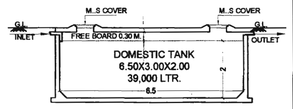
BUILT-UP-AREA SUMMARY

Building No.→	Building No. 1
Floors↓	In Sqm.
(1)	(2)
Ground	46.990
1st Floor	404.229
2nd Floor	404.229
3rd Floor	404.229
4th Floor	340.649
Number of Building	1
Total Built-up -Area	1600.326

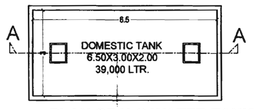


TYP. ECENTRIC FOOTING. SECTION
SCALE : NTS

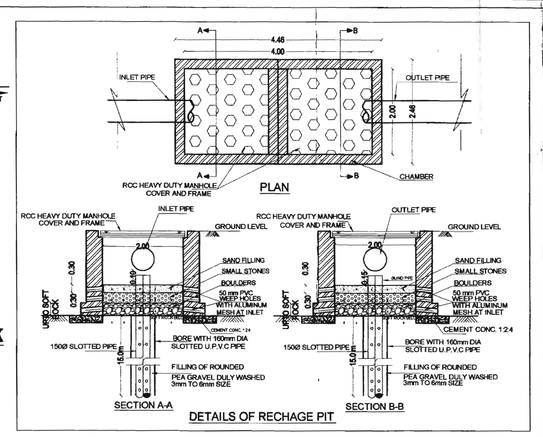
TYP. CORNER COMPOUND WALL SECTION
SCALE : NTS



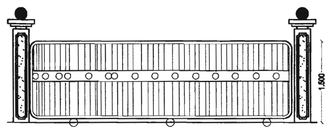
SECTION A-A'
(SCALE - 1:100)



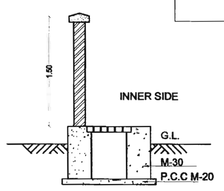
PLAN OF U.G.WATER TANK
(SCALE - 1:100)



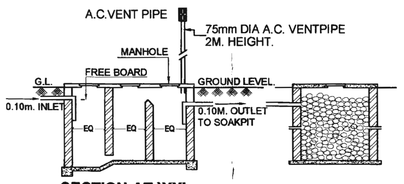
DETAILS OF RECHAGE PIT



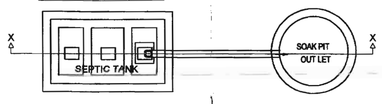
ELEVATION ENTRANCE GATE
SCALE :- (NTS)



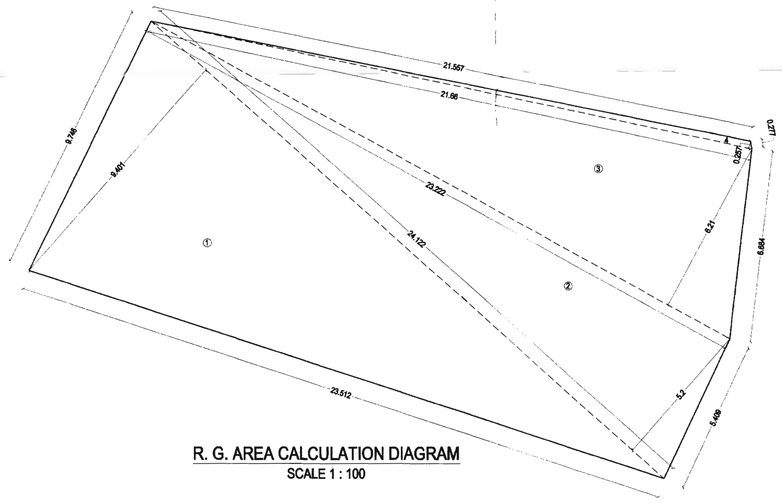
TYPICAL SECTION OF S.W. DRAIN LINE/ COMPOUND WALL
SCALE : NTS



SECTION-AT `XX'

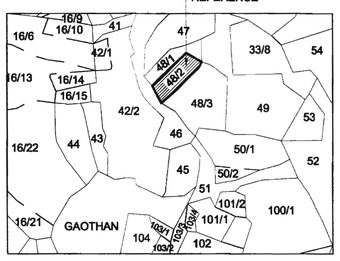


PLAN OF SEPTIC TANK-1 & SOAK PIT
(SCALE-NTS)



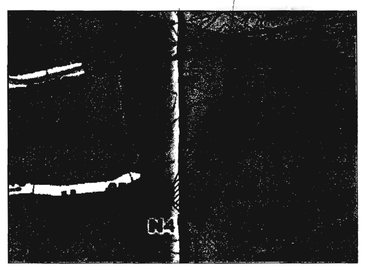
R. G. AREA CALCULATION DIAGRAM
SCALE 1 : 100

PLOT UNDER REFERENCE

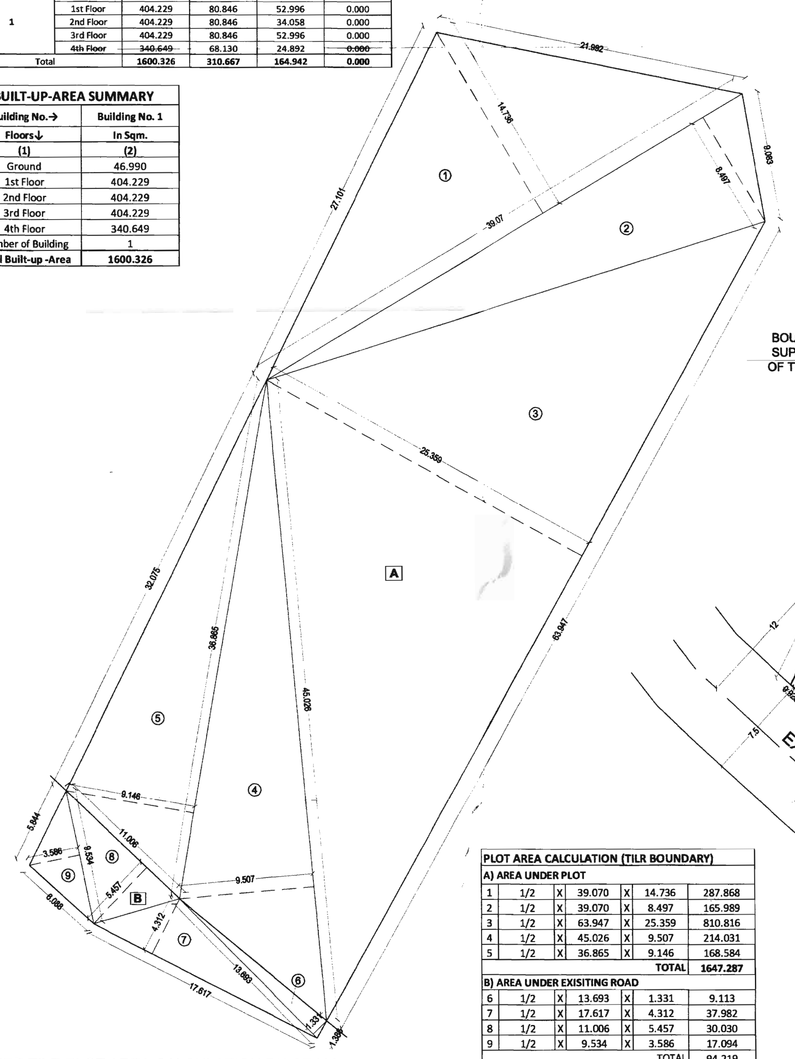


LOCATION PLAN
SCALE : NTS

PLOT UNDER REFERENCE

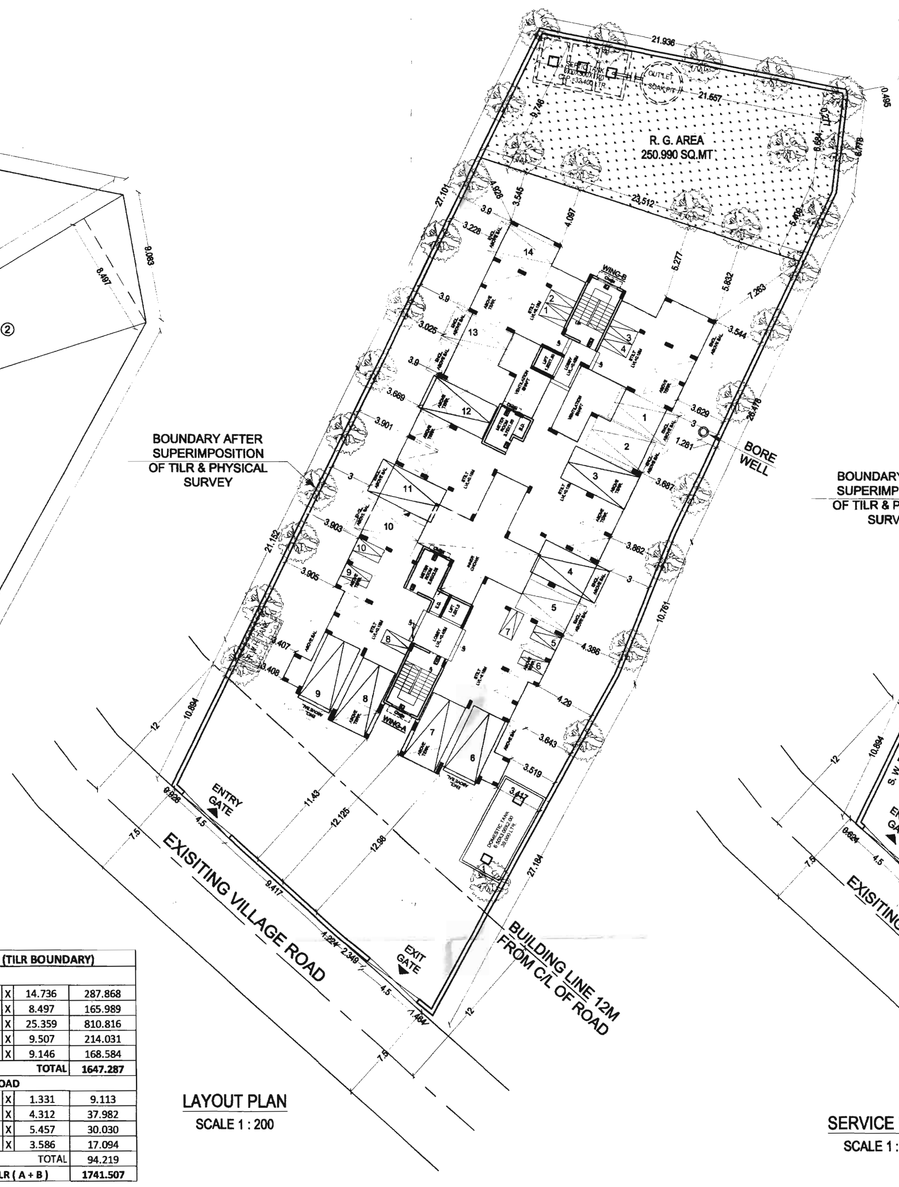


SANCTIONED IDP MAP
SCALE : NTS

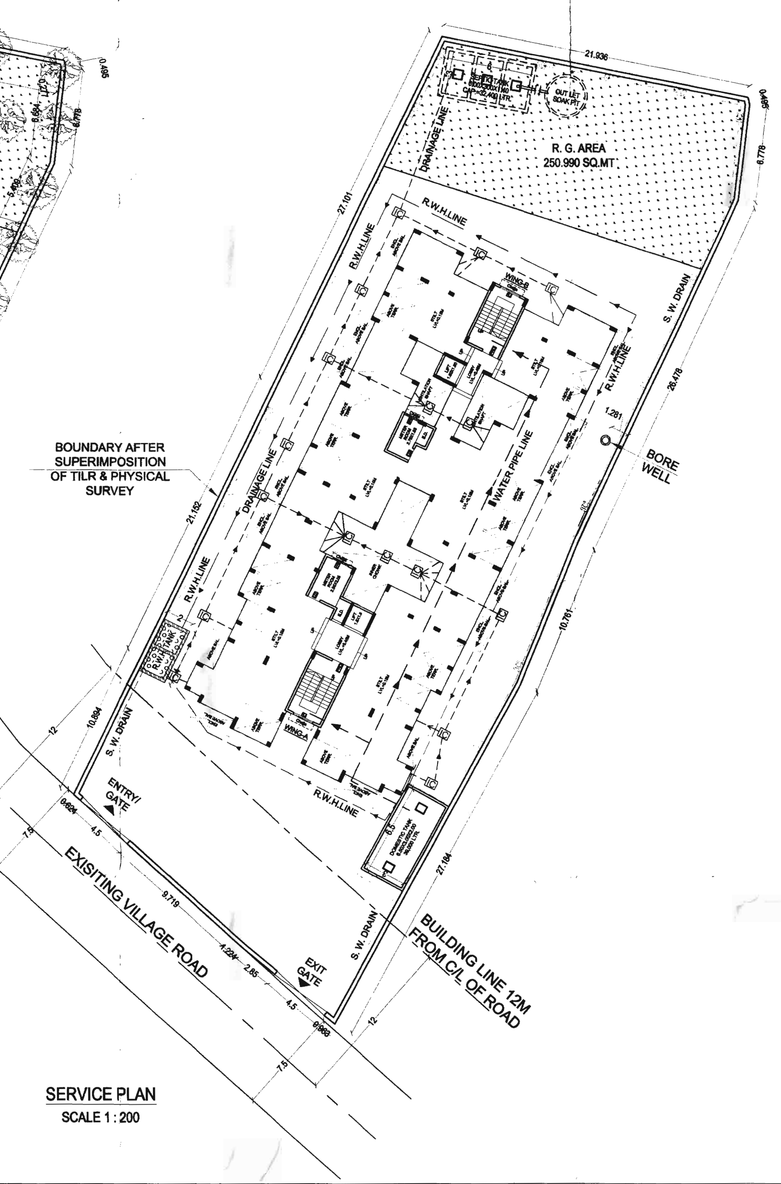


AS PER TILR PLOT AREA CALCULATION DIAGRAM
SCALE 1 : 200

PLOT AREA CALCULATION (TILR BOUNDARY)						
A) AREA UNDER PLOT						
1	1/2	X	39.070	X	14.736	287.868
2	1/2	X	39.070	X	8.497	165.989
3	1/2	X	63.947	X	25.359	810.816
4	1/2	X	45.026	X	9.507	214.031
5	1/2	X	36.865	X	9.146	168.584
					TOTAL	1647.287
B) AREA UNDER EXISITING ROAD						
6	1/2	X	13.693	X	1.331	9.113
7	1/2	X	17.617	X	4.312	37.982
8	1/2	X	11.006	X	5.457	30.030
9	1/2	X	9.534	X	3.586	17.094
					TOTAL	94.219
TOTAL PLOT AREA AS PER TILR (A + B)						1741.507



LAYOUT PLAN
SCALE 1 : 200



SERVICE PLAN
SCALE 1 : 200

STAMP OF APPROVAL | 1/3

DEVELOPMENT PERMISSION GRANTED
Subject to the conditions mentioned in this office's letter no.:
CIDCO/NAINA/Bamali Vihighar /BP- 369 /CC/2019 / LAP- 940/1890
Date: 19 JUL 2019
Associate Planner (NAINA)
19.07.2019

PROFORMA - I

		AREA STATEMENT	Area in Sq.M.
	i	Area Of Plot as per 7/12	1700.000
	ii	Area Of Plot as per measurement plan(As per triangulation of TILR at true scale)	1741.507
	iii	Area Of Plot as per Physical Survey Plan	1737.325
	iv	Area Of Plot Considered (least of (i), (ii) & (iii))	1700.000
[A1]	Area Statement		
1		Area of Plot	1700.000
2		Deductions For	
	a	Exisiting Road	94.219
	b	Widening of Road	NIL
	c	Area Under Reservations, If any	N.A.
		Total (a+b+c)	94.219
3		Gross Plot Area (1 - 2)	1605.781
4		Deduction For Amenity Space	NA
5		Net Area Of Plot = (3-4)	1605.781
6		RG / Open Spaces Required	250.000
7		RG/open spaces provided	250.990
8		Permissible FSI.	1.00
9		Permissible Built up Area (5x8))	1605.781
10		Proposed Built Up Area	1600.326
11		Balance Built Up Area (9-10)	5.455
12		FSI Consumed (10/5)	0.997
13		FSI Balanced (8-12)	0.003
14		No Of Units Proposed	38
		a. Residential	38
		b. Commercial	0
15		Trees to be planted	
	15A	Trees to be planted against Plot area (sr/100)	17
	15B	Trees to be planted against Trees felled (nos. x 5)	0
	15C	Trees to be planted against R. G. Area ((7/100) x 5Nos.)	13
	15D	Total no. of Trees proposed to be Planted	30

LEGENDS

Sr. No.	Item	Site Plan on white Print	Building Plan On White Print
1	Plot Line		
2	Existing Street		
3	Future Street		
4	Permisible Building lines		
5	Marginal Open Spaces	No colour	
6	Drainage & Sewerage Work		
7	Water Supply Work		
8	RWH Line		
9	S. W. Drain		
10	Two wheeler parking		
11	Big car parking		
12	Small car parking		
13	cycile parking		

LEGENDS

Sr. No.	Item	Building Plan On White Print
1	Building line	

FORM OF CERTIFICATE
I, (Neha Jain) have been employed by the applicant as his Architect. I have examined the boundaries and the area of the plot and I do hereby certify that I have personally verified and checked all the statements made by the applicant who is the owner/ lessee in possession of the plot as in the above form and found them to be correct. Date: ~~16/05/17~~ 17/07/2019
Signature of Architect
AN. ARCH Architect & Planner
AR. NEHA JAIN
REG NO : CA/2008/43603

CERTIFICATE OF AREA
Certified that the plot under reference was surveyed by me on 06/03/2017 and the dimensions of side etc. of plot stated on plan are as measured on site and the area so worked out tallies with the area stated in document of ownership/T.P. Scheme Records/ Land Records Department /city survey record.

NAME OF THE OWNER & SIGNATURE
SANTOSH V. AMBAVANE
ASIF H. PATEL

ARCHITECT NAME & SIGN
AR. NEHA JAIN
REG NO : CA/2008/43603

SHEET CONTENT :-
LOCATION PLAN, LAYOUT PLAN,
PLOT AREA & R.G. DAIGRAM,
BUILTUP AREA STATEMENT,
TENEMENT AREA STATEMENTS,
PARKING AREA STATEMENT,
BALCONY AREA STATEMENT,
TERRACE AREA STATEMENT.
SERVICES PLAN,
SEPTIC TANK REQUIREMENT,
WATER STORAGE CAP. CALCULATION
WATER SUPPLY & SANITATION DETAILS.

NAME OF THE OWNER & SIGNATURE
SANTOSH V. AMBAVANE
ASIF H. PATEL

DESCRIPTION OF PROPOSAL & PROPERTY
PROPOSED RESIDENTIAL BUILDING ON LAND BEARING GUT No. 48/2 AT VILLAGE - VIHIGHAR, TAL -PANVEL, DIST - RAIGAD.

ARCHITECT NAME & SIGN
NEHA JAIN
REG NO : CA/2008/43603

DATE	DRAWN. BY	CHKD. BY	SCALE	NORTH
08-07-19	RAJESHREE	GHARAT	1:100	N

DESIGN WITH A DIFFERENCE

AN.ARCH
ARCHITECT & PLANNERS
Office no.20&21,-Raheja Arcade,
Sec-11,Plot no.61,CBD Belapur-400614,
cntct no.022-27562410,
mail i.d-anarch.architect@gmail.com