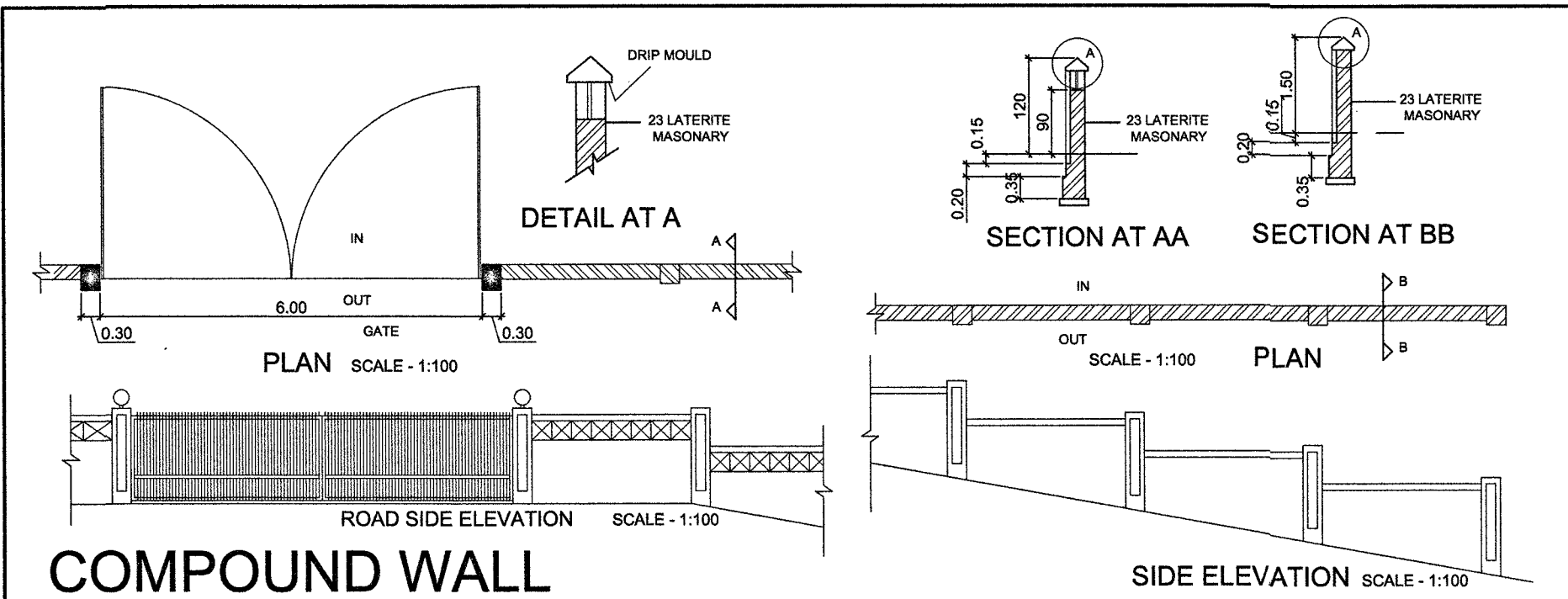


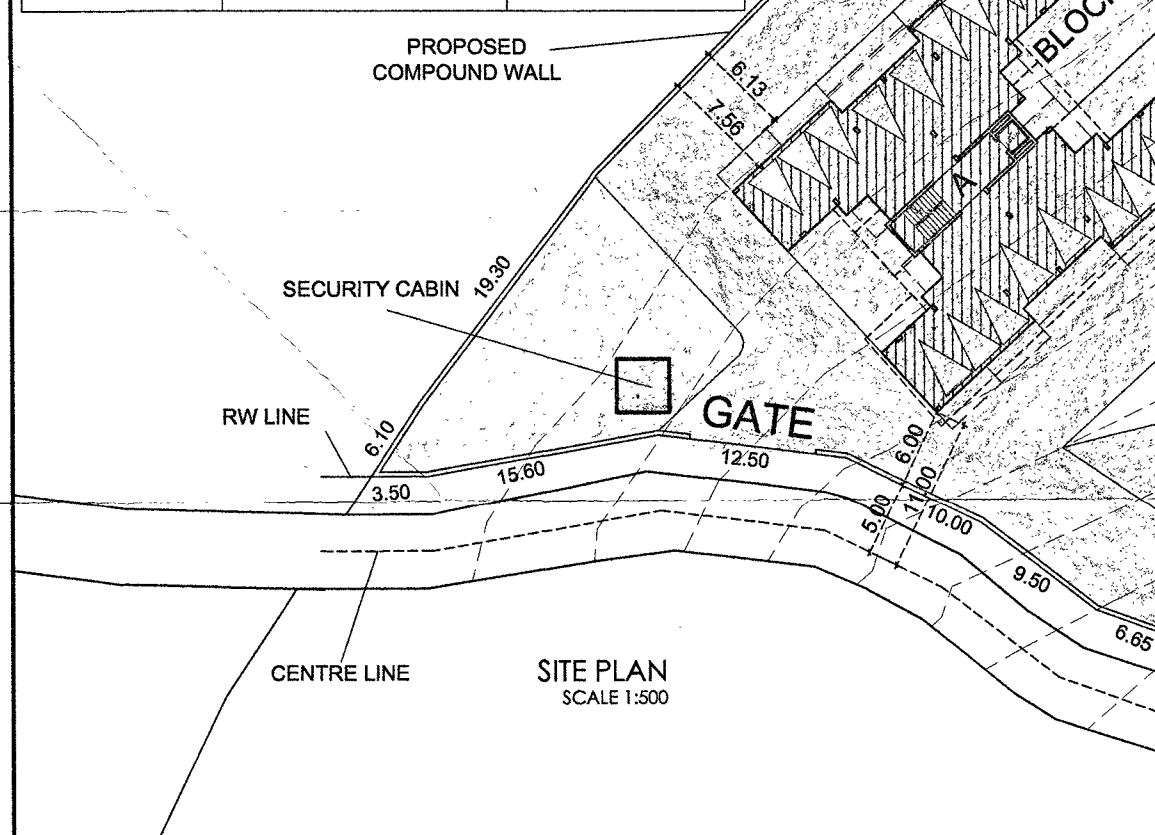


COMPOUND WALL

	FLOOR	TOTAL BUILT UP AREA	AREA FREE FROM F.A.R				FLOOR AREA
			STILTS	BALC/TERRACES	STAIR/LIFTS	7.5% Free FAR	
BUILDING I	LOWER GR.	181.51	163.51		16.38		1.62
	UPPER GR.	427.23		97.07	16.38	17.79	295.99
	FIRST	427.23		97.07	16.38	17.79	295.99
	SECOND	427.23		97.07	16.38	17.79	295.99
	THIRD	427.23		97.07	16.38	17.79	295.99
	TOTAL	1890.43	163.51	388.28	81.90	71.16	1185.58
BUILDING A-B, C-D, G-H	LOWER GR.	409.42	368.66		37.88		2.88
	GROUND	809.30	356.24	85.58	32.76	24.24	310.48
	UPPER GR.	868.18		191.00	32.76	35.58	608.84
	FIRST	868.18		191.00	32.76	35.58	608.84
	SECOND	868.18		191.00	32.76	35.58	608.84
	THIRD	463.56		96.08	32.76	24.24	310.48
TOTAL	4286.82	724.90	754.66	201.68	155.22	2450.36	
BUILDINGS A-B,C-D,G-H	TOTAL X 3	12860.46	2174.70	2263.98	605.04	465.66	7351.08
BUILDING E-F	LOWER GR.	379.06	343.06		32.76		3.24
	UPPER GR.	854.46		194.14	32.76	35.58	591.98
	FIRST	854.46		194.14	32.76	35.58	591.98
	SECOND	854.46		194.14	32.76	35.58	591.98
	THIRD	854.46		194.14	32.76	35.58	591.98
	TOTAL	3796.90	343.06	776.56	163.80	142.32	2371.16
BUILDING J	LOWER GR.	145.18	127.33		14.24		3.61
	UPPER GR.	294.58		44.82	16.50		233.26
	FIRST	284.94		35.18	16.50		233.26
	SECOND	284.94		35.18	16.50		233.26
	THIRD	284.94		35.18	16.50		233.26
	TOTAL	1294.58	127.33	150.36	80.24		936.65
CLUB HOUSE	GROUND	102.96		42.45	12.42	48.09	
TOTAL		19945.33	2808.60	3621.63	943.40	727.23	11844.47

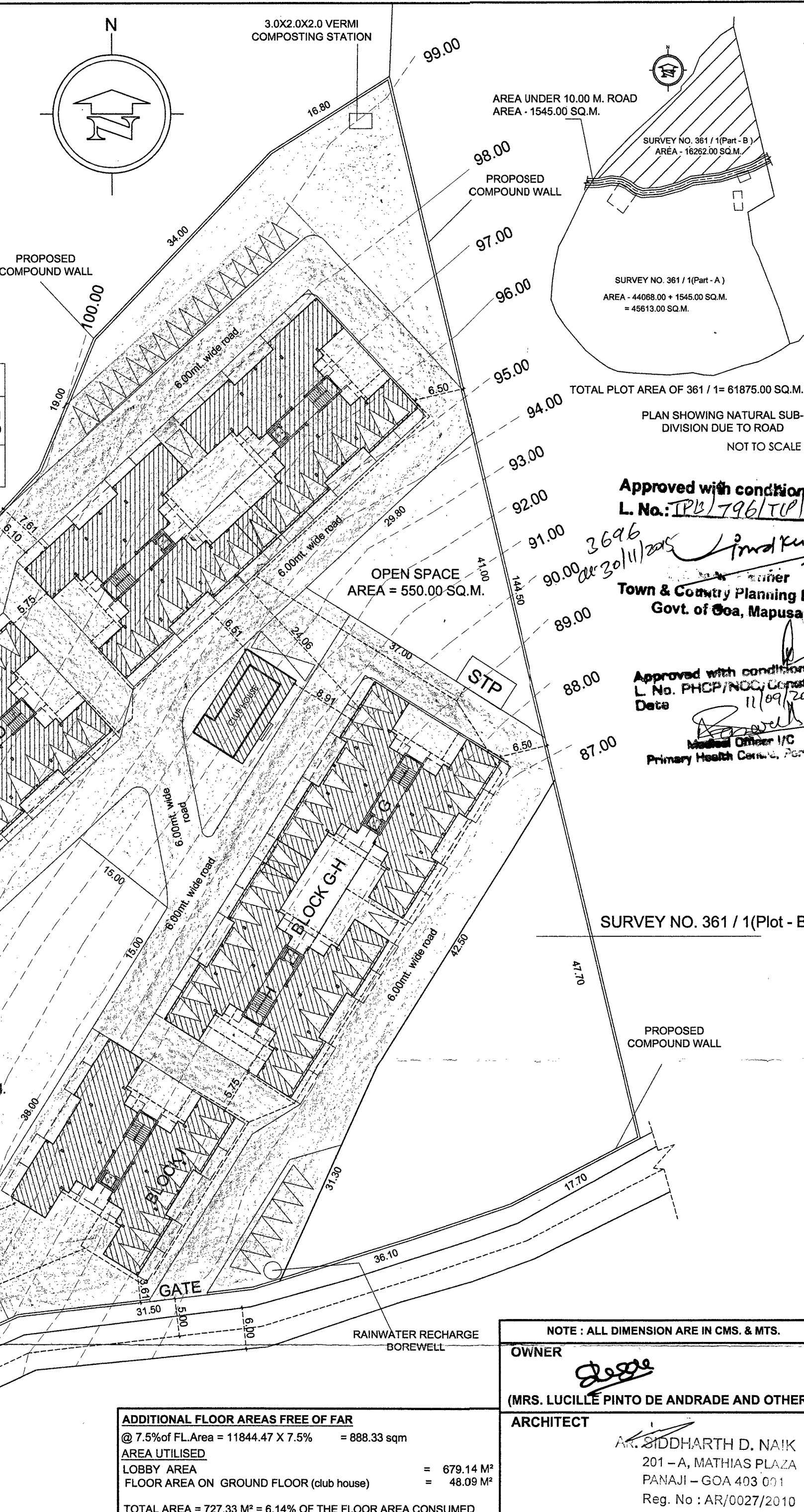
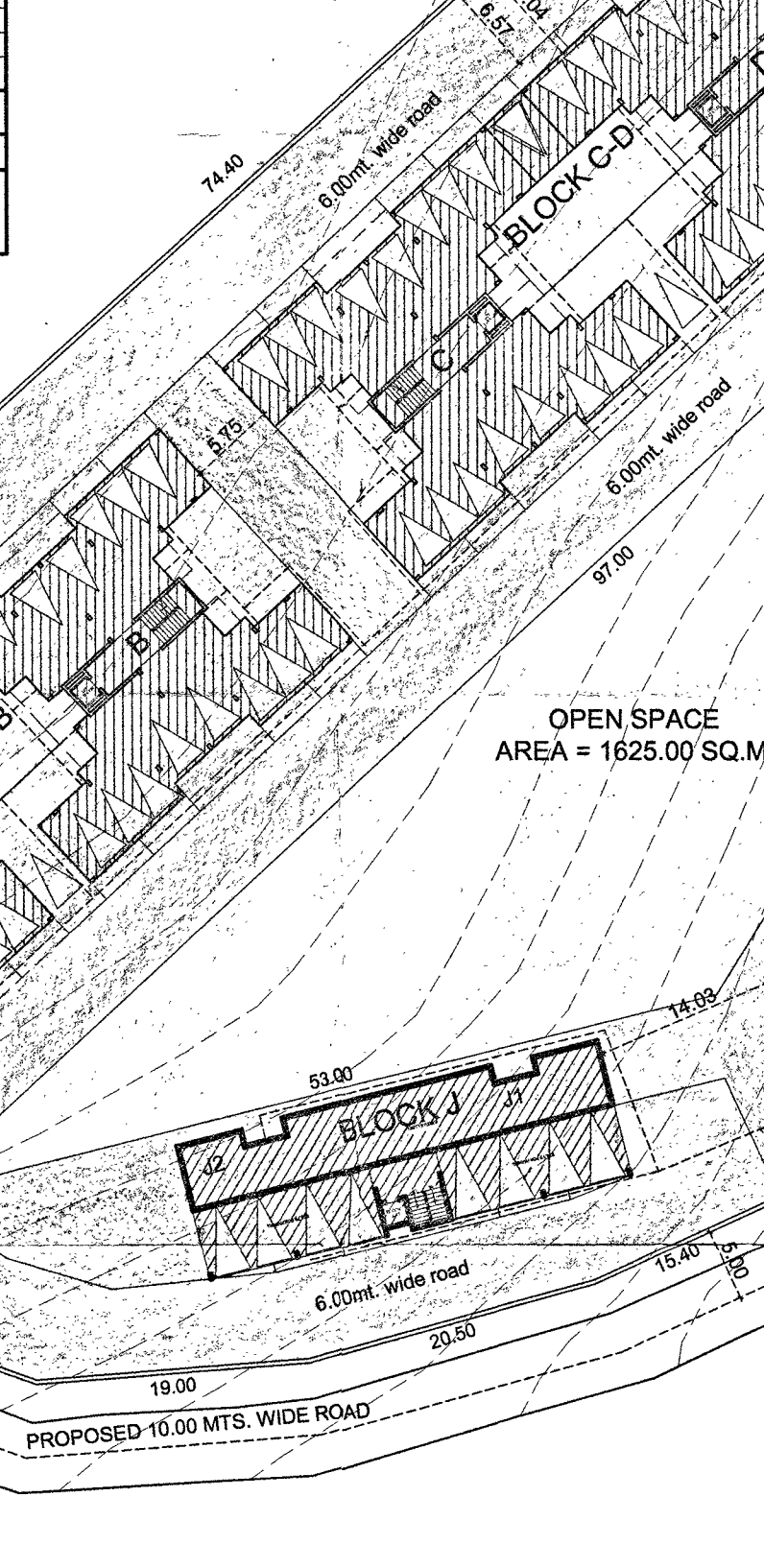
BUILT UP AREA FOR INFRASTRUCTURE TAX	B.U.A. STILT	19945.33M ² - 2808.60M ² = 17136.73 M ²
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CALCULATION FOR SEWAGE TREATMENT PLANT AND WASTE MANAGEMENT			
S No.	BLDG.	No. OF PERSONS	
1)	BLDGs - A-B, C-D, E-F, G-H, I, J	144x4 = 576	
	TOTAL	624 Persons	
		TOTAL REQUIREMENT	PROVISION PROPOSED
		624X108 Litres/ Person = 67392 Litres = 68 M ³ volume	6.6M X 3.5M X 3.0M D 69.00 m ³ VOLUME
		SOLID WASTE VERMI COMPOSTING UNIT = 187200 Grms = 188 Kgs/day = 0.094 m ³ volume (@ 2 Tonnes/m ³) Total volume = 0.094x3x10days = 2.82 m ³	3.0M X 2.0M X 2.0M D 12.00 m ³ volume



SOLAR WATER HEATER / SOLAR ENERGY CAPTURING SYSTEM CALCULATION			
S No.	No. OF PERSONS	HOT WATER REQUIREMENT	PROVISION PROPOSED
1)	154x4 = 616	616 Persons @ 10 litres / person = 6160 litres	6200 Litres

Passed and Approved
Vide Res. No. 3(1) dt. 7/6/2017
Subject to the Conditions
Mentioned on the Permission
No. VP/Soc/ - 1.683 / 2017-2018
Dated: 7/6/2017
Secretary
V. P. Socorro



AREA STATEMENT	
AREA OF THE PLOT S.NO. 361/1	61875.00 M ²
AREA OF THE PLOT A OF PLOT S.NO. 361/1	45613.00 M ²
AREA OF THE PLOT B OF PLOT S.NO. 361/1	16262.00 M ²
AREA STATEMENT OF THE PLOT B OF S.NO. 361/1	
PLOT AREA	16262.00 M ²
PLOT AREA UNDER SETTLEMENT ZONE	14835.00 M ²
PLOT AREA IN NON SETTLEMENT ZONE	1427.00 M ²
AREA IN RW SETTLEMENT ZONE	360.00 M ²
AREA IN RW NON SETTLEMENT ZONE	122.00 M ²
TOTAL AREA IN R.W.	482.00 M ²
NET PLOT AREA UNDER SETTLEMENT ZONE	14475.00 M ²
NET PLOT AREA IN NON SETTLEMENT ZONE	1305.00 M ²
PERMISSIBLE COVERAGE @ 40% FOR SETTLEMENT ZONE (14475)	5790.00 M ²
F.A.R. PERMISSIBLE = (80% OF 14835.00)	11868.00 M ²
COVERED AREA	
BUILDINGS A-B, C-D, G-H	740.34 X 3 = 2221.02 M ²
BUILDING E-F	809.30 X 3 = 2427.90 M ²
BUILDING I	868.18 X 3 = 2604.54 M ²
BUILDING J	868.18 X 3 = 2604.54 M ²
CLUB HOUSE	102.96 X 3 = 308.88 M ²
TOTAL COVERED AREA	3770.66 M ²
COVERAGE CONSUMED (3770.66 / 14475)	26.05 %
BUILT UP AREA	
BUILDINGS A-B, C-D, G-H	409.42 X 3 = 1228.26 M ²
B.U.A. ON LOWER GR. FLOOR	809.30 X 3 = 2427.90 M ²
B.U.A. ON GROUND FLOOR	868.18 X 3 = 2604.54 M ²
B.U.A. ON UPPER GROUND FLOOR	868.18 X 3 = 2604.54 M ²
B.U.A. ON FIRST FLOOR	868.18 X 3 = 2604.54 M ²
B.U.A. ON SECOND FLOOR	868.18 X 3 = 2604.54 M ²
B.U.A. ON THIRD FLOOR	463.56 X 3 = 1390.68 M ²
BUILDINGS E-F	
B.U.A. ON LOWER GR. FLOOR	= 379.06 M ²
B.U.A. ON UPPER GROUND FLOOR	= 854.46 M ²
B.U.A. ON FIRST FLOOR	= 854.46 M ²
B.U.A. ON SECOND FLOOR	= 854.46 M ²
B.U.A. ON THIRD FLOOR	= 854.46 M ²
BUILDING I	
B.U.A. ON LOWER GROUND FLOOR	= 181.51 M ²
B.U.A. ON UPPER GROUND FLOOR	= 427.23 M ²
B.U.A. ON FIRST FLOOR	= 427.23 M ²
B.U.A. ON SECOND FLOOR	= 427.23 M ²
B.U.A. ON THIRD FLOOR	= 427.23 M ²
BUILDING J	
B.U.A. ON LOWER GROUND FLOOR	= 145.18 M ²
B.U.A. ON UPPER GROUND FLOOR	= 294.58 M ²
B.U.A. ON FIRST FLOOR	= 284.94 M ²
B.U.A. ON SECOND FLOOR	= 284.94 M ²
B.U.A. ON THIRD FLOOR	= 284.94 M ²
CLUB HOUSE	
B.U.A. ON GROUND FLOOR	= 102.96 M ²
TOTAL B.U.A.	19945.33 M ²
FLOOR AREA	
BUILDINGS A-B, C-D, G-H	2.88 X 3 = 8.64 M ²
FLOOR AREA ON LOWER GR. FLOOR	310.48 X 3 = 931.44 M ²
FLOOR AREA ON GROUND FLOOR	608.84 X 3 = 1826.52 M ²
FLOOR AREA ON UPPER GROUND FLOOR	608.84 X 3 = 1826.52 M ²
FLOOR AREA ON FIRST FLOOR	608.84 X 3 = 1826.52 M ²
FLOOR AREA ON SECOND FLOOR	608.84 X 3 = 1826.52 M ²
FLOOR AREA ON THIRD FLOOR	310.48 X 3 = 931.44 M ²
BUILDINGS E-F	
FLOOR AREA ON LOWER GR. FLOOR	3.24 M ²
FLOOR AREA ON UPPER GROUND FLOOR	591.98 M ²
FLOOR AREA ON FIRST FLOOR	591.98 M ²
FLOOR AREA ON SECOND FLOOR	591.98 M ²
FLOOR AREA ON THIRD FLOOR	591.98 M ²
BUILDING I	
FLOOR AREA ON LOWER GROUND FLOOR	= 1.62 M ²
FLOOR AREA ON UPPER GROUND FLOOR	= 295.99 M ²
FLOOR AREA ON FIRST FLOOR	= 295.99 M ²
FLOOR AREA ON SECOND FLOOR	= 295.99 M ²
FLOOR AREA ON THIRD FLOOR	= 295.99 M ²
BUILDING J	
FLOOR AREA ON LOWER GROUND FLOOR	= 3.61 M ²
FLOOR AREA ON UPPER GROUND FLOOR	= 233.26 M ²
FLOOR AREA ON FIRST FLOOR	= 233.26 M ²
FLOOR AREA ON SECOND FLOOR	= 233.26 M ²
FLOOR AREA ON THIRD FLOOR	= 233.26 M ²
TOTAL FLOOR AREA	= 11844.47 M ²
F.A.R. CONSUMED = 11844.47 / (14835)	= 79.84
OPEN SPACE REQUIRED (15% OF 14475)	2172.00 M ²
OPEN SPACE PROVIDED (1625 + 550)	2175.00 M ²
NOTE : ALL DIMENSION ARE IN CMS. & MTS.	
OWNER (MRS. LUCILLE PINTO DE ANDRADE AND OTHERS)	ARCHITECT A. SIDDHARTH D. NAIK 201 - A, MATHIAS PLAZA PANAJI - GOA 403 001 Reg. No : AR/0027/2010
M/S ULYSIS ARCHITECTURAL INTERIOR & LANDSCAPE CONSULTANTS #201 - A, SECOND FLOOR, MATHIAS PLAZA, PANJIM - GOA 403001 PH. - 91 832 2421950 e-mail : ulysis goa@gmail.com	



NOTES :

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.

LEGEND :

1. WP - WASTE PIPE

2. SP - SOIL PIPE



MANHOLE 600X600



GULLEY TRAP 300X300



150Ø SOIL/WASTE PIPE

OPEN SPACE
AREA = 550.00 SQ.M.

2.	AS PER ARCHITECT	04.08.16	AJ
1.	AS PER ARCHITECT	28.07.16	AJ
NO.	REVISION	DATE	SIGN

CLIENT:

DEVASHREE

ARCHITECT:

ULYSIS

ARCHITECTURAL, INTERIOR & LANDSCAPE CONSULTANTS

PROJECT:

MEP CONSULTANT:



JOSHI ENGINEERING CONSULTANCY
520, 5th floor, Citi Center, Patta-Phara, Panaji Goa.
Tel: No. 091-6832-2438/46.

TITLE:

SITE PLAN EXTERNAL DRAINAGE LAYOUT

DRAWN BY	RPT	SCALE	NTS	REV	DWG NO.
CHECKED BY	JOSHI	DATE	31.05.2016	0	JEC-D-DR-01



NOTES :

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.

LEGEND :

2 NOS. DOMESTIC OHT TANK 5000 LITS

1 NO. TREATED OHT TANK 5000 LITS

1.	AS PER ARCHITECT	28.07.16	AJ
NO.	REVISION	DATE	SIGN

CLIENT: DEVASHREE

ARCHITECT: ULYSIS
ARCHITECTURAL, INTERIOR & LANDSCAPE CONSULTANTS

PROJECT:

MEP CONSULTANT: JEC
JOSHI ENGINEERING CONSULTANCY
135/56, Bhamburda Colony, Pune-411 004, India
E-mail: jec@joshi.com, Mobile: 9422899909

TITLE: WATER SUPPLY LAYOUT ON ROOF PLAN

DRAWN BY	RPT	SCALE	NTS	REV	DWG NO.
CHECKED BY	JOSHI	DATE	22.06.2016	0	JEC-D-WB-01A

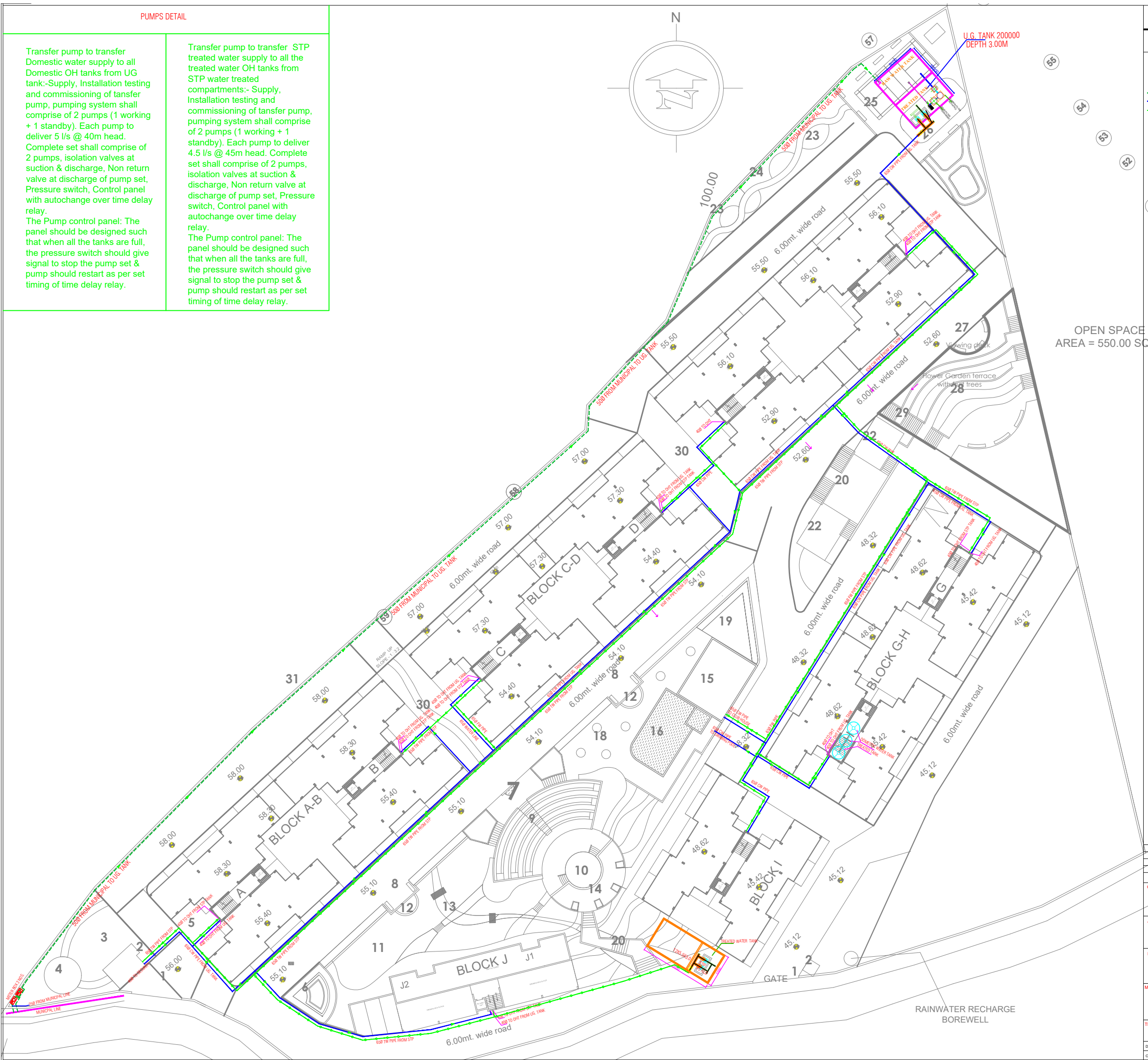
PUMPS DETAIL

Transfer pump to transfer Domestic water supply to all Domestic OH tanks from UG tank:-Supply, Installation testing and commissioning of transfer pump, pumping system shall comprise of 2 pumps (1 working + 1 standby). Each pump to deliver 5 l/s @ 40m head. Complete set shall comprise of 2 pumps, isolation valves at suction & discharge, Non return valve at discharge of pump set, Pressure switch, Control panel with autochange over time delay relay.

The Pump control panel: The panel should be designed such that when all the tanks are full, the pressure switch should give signal to stop the pump set & pump should restart as per set timing of time delay relay.

Transfer pump to transfer STP treated water supply to all the treated water OH tanks from STP water treated compartments:- Supply, Installation testing and commissioning of transfer pump, pumping system shall comprise of 2 pumps (1 working + 1 standby). Each pump to deliver 4.5 l/s @ 45m head. Complete set shall comprise of 2 pumps, isolation valves at suction & discharge, Non return valve at discharge of pump set, Pressure switch, Control panel with autochange over time delay relay.

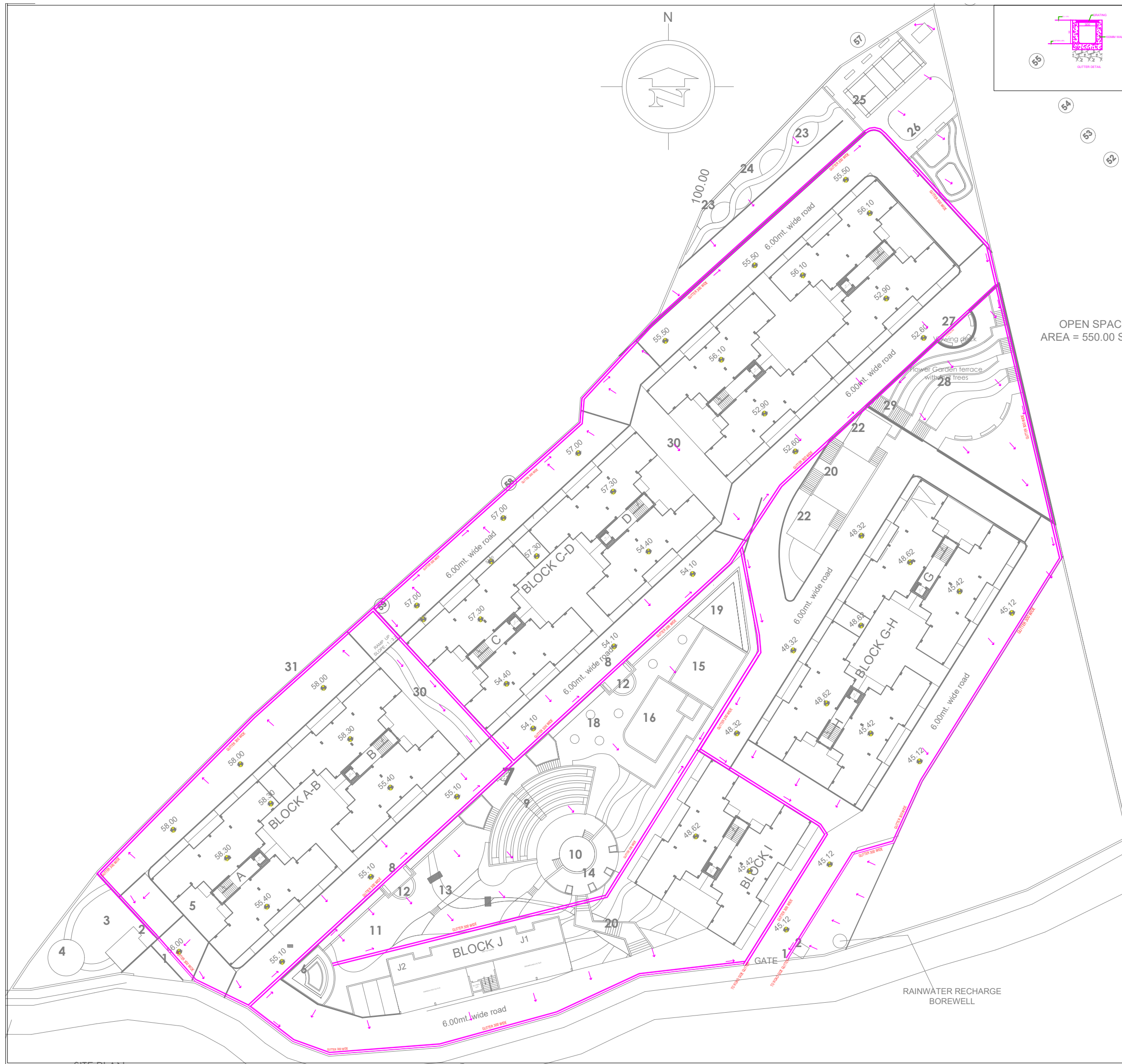
The Pump control panel: The panel should be designed such that when all the tanks are full, the pressure switch should give signal to stop the pump set & pump should restart as per set timing of time delay relay.



NOTES :
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.

LEGEND :
650 UNDERGROUND COLD WATER PIPE FROM UG. TANK
400 VERTICAL COLD WATER PIPE TO OVER HEAD TANK
650 UNDERGROUND STP TREATED WATER PIPE
MUNICIPAL LINE TO UG. TANK
COLD WATER LINE TO OHT
STP TREATED WATER LINE TO OHT

1	AS PER ARCHITECT	28.07.16	AJ
NO.	REVISION	DATE	SIGN
CLIENT: DEVASHREE			
ARCHITECT: ULYSIS ARCHITECTURAL, INTERIOR & LANDSCAPE CONSULTANTS			
PROJECT:			
MEP CONSULTANT: JEC JOSHI ENGINEERING CONSULTANCY 123/45, Block C/45, Connaught Place, Pune-411 004 T: 020-2611 0000, 020-2611 0001 E: meep_joshi@gmail.com, Mobile: 9423888889			
TITLE: SITE PLAN WATER SUPPLY LAYOUT			
DRAWN BY	RPT	SCALE	NTS
CHECKED BY	JOSHI	DATE	22.06.2016
REV	0	REV	0
DWG NO.	JEC-D-W5-01		



NOTES :

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.

LEGEND :

300 WIDE GUTTER

54

50

49

48

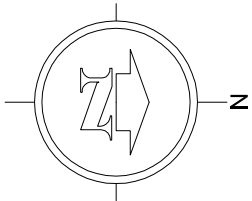
47

46

45

E
SQ.M.

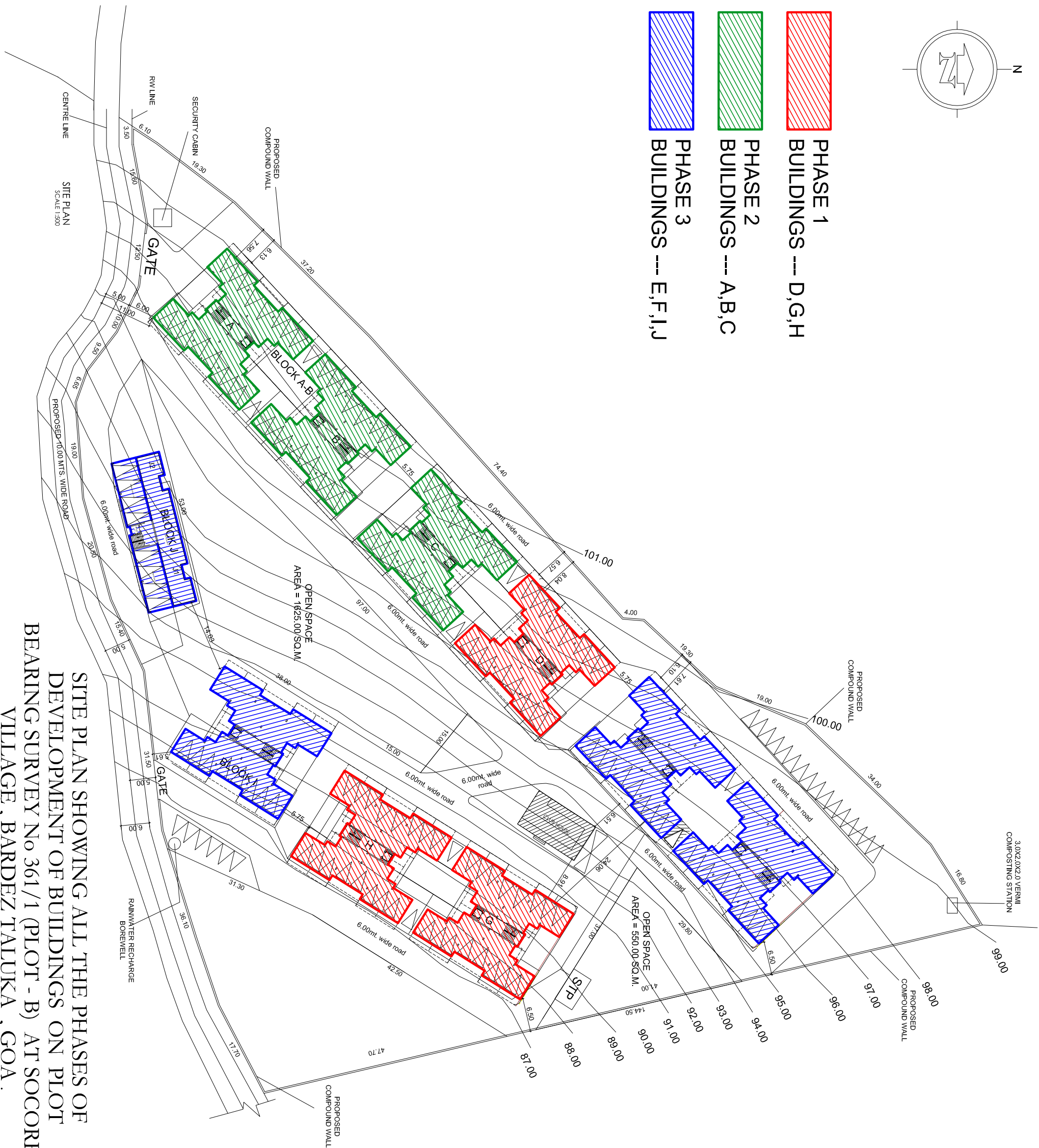
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PHASE 1
BUILDINGS --- D,G,H

PHASE 2
BUILDINGS --- A,B,C

PHASE 3
BUILDINGS --- E,F,I,J



SITE PLAN SHOWING ALL THE PHASES OF
DEVELOPMENT OF BUILDINGS ON PLOT
BEARING SURVEY No 361/1 (PLOT - B) AT SOCORRO
VILLAGE, BARDEZ TALUKA , GOA .