

60M WIDE ROAD

75M WIDE GREEN BELT

AREA CHART

PLOT AREA	=	13800.00 SQM
PERMISSIBLE F.A.R. @ 2.75	=	37950.00 SQM
PURCHASABLE FAR @ 0.7425	=	10246.50 SQM
TOTAL PERMISSIBLE+PURCHASABLE FAR (2.75+0.7425)	=	48196.50 SQM
GREEN FAR @ 5%	=	2409.83 SQM
TOTAL PERMISSIBLE+PURCHASABLE+GREEN FAR (2.75+0.7425+0.05)	=	50606.33 SQM
PERMISSIBLE GROUND COVERAGE @ 35%	=	4830.00 SQM
PERMISSIBLE AREA OF COMMERCIAL @ 1% F.A.R. (2.75)	=	379.50 SQM
PURCHASABLE COMMERCIAL AREA	=	105.50 SQM
TOTAL PERMISSIBLE AREA OF COMMERCIAL	=	485.00 SQM
PROPOSED F.A.R.	=	50565.79 SQM
PROPOSED GROUND COVERAGE @ (32.50%)	=	4579.19 SQM
PROPOSED COMMERCIAL AREA @ (0.998%)	=	482.95 SQM
PROPOSED UPPER BASEMENT AREA	=	10855.84 SQM
PROPOSED LOWER BASEMENT AREA	=	10808.36 SQM
PROPOSED STILL AREA	=	1842.71 SQM
TOTAL PERMISSIBLE ANCILLARY AREA	=	7590.95 SQM
PROPOSED ANCILLARY AREA @ (14.99%)	=	7589.51 SQM

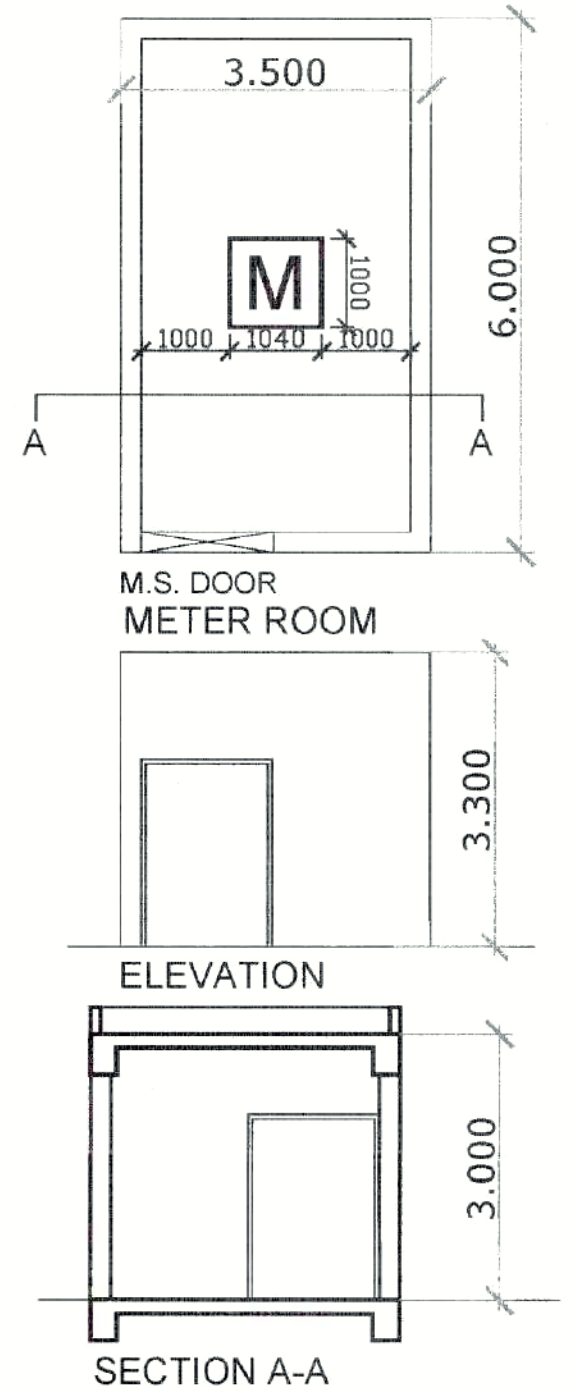
DENSITY/POPULATION		
PERMISSIBLE DENSITY (1650+450) = 2100 PPH		
PERM. DUS @ 3.5 FAR = (2100*1.38)/4.5 = 644		
TOTAL PERM. DUS = 644	SAY 644	
TOTAL NO. OF FLATS= 557 FLATS* 5 = 2506.5 PERSONS		
TOTAL POPULATION ACHIEVED= 2506.5 PERSONS		
PROPOSED DENSITY = 2506.5/1.38 = 1816.30 PPH	SAY 1817 PPH	

PARKING CALCULATION		
PARKING REQUIRED FOR HOUSING = 50307.85/80 SQM	626.542	ECS
PARKING REQUIRED FOR COMMERCIAL = 507.15/50 SQM	9.660	ECS
PARKING REQUIRED FOR COMMUNITY = 673.012/100 SQM	6.730	ECS

CAR PARKING REQUIRED=626.542+9.660+6.730=642.932 CARS SAY 643 CARS

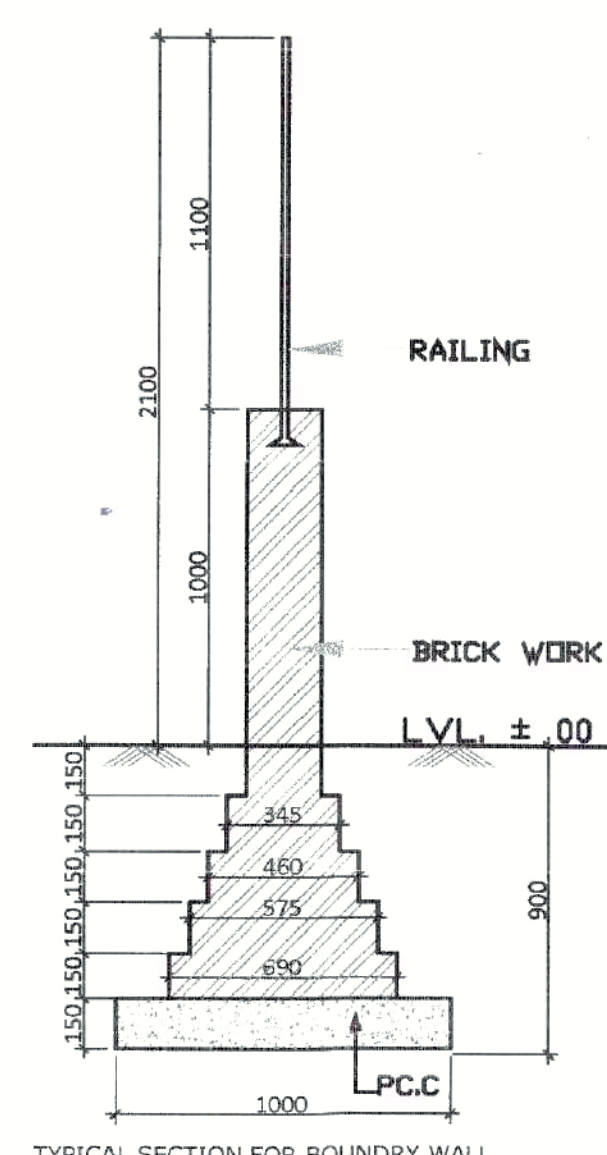
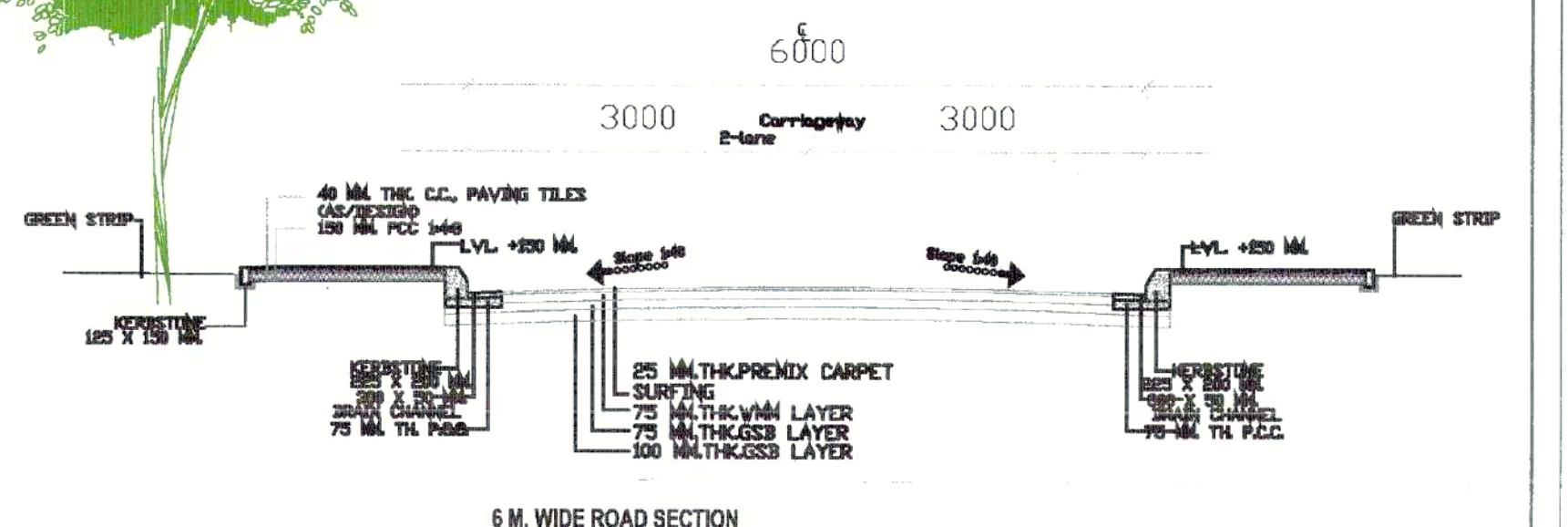
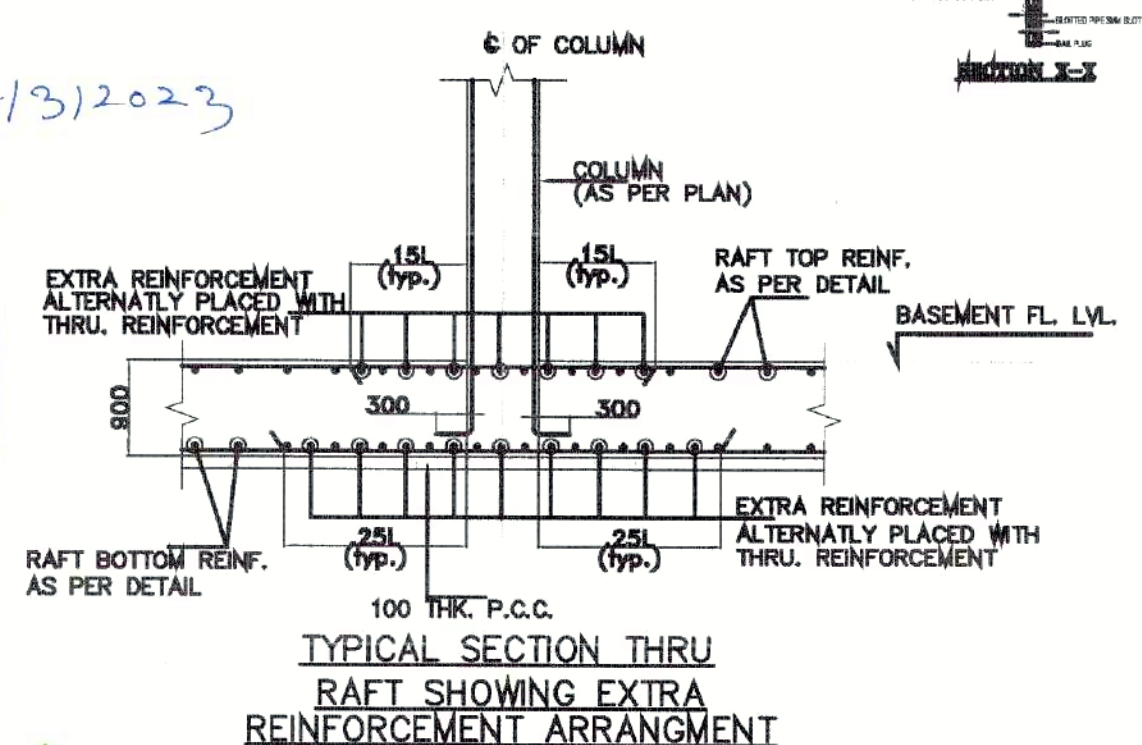
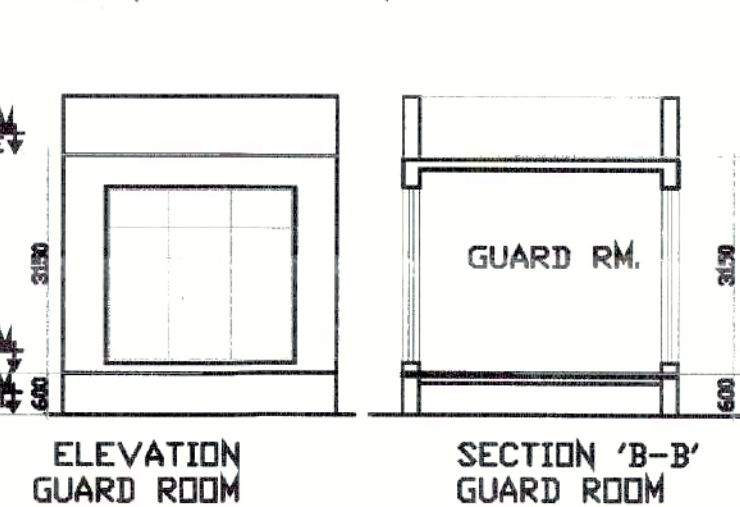
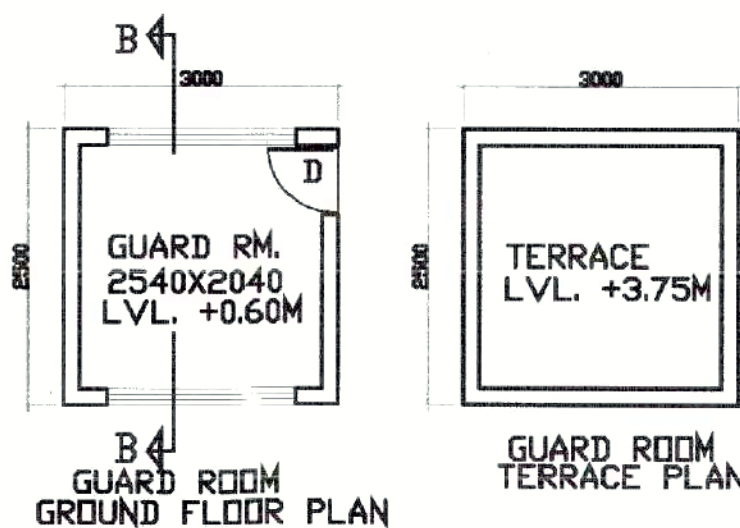
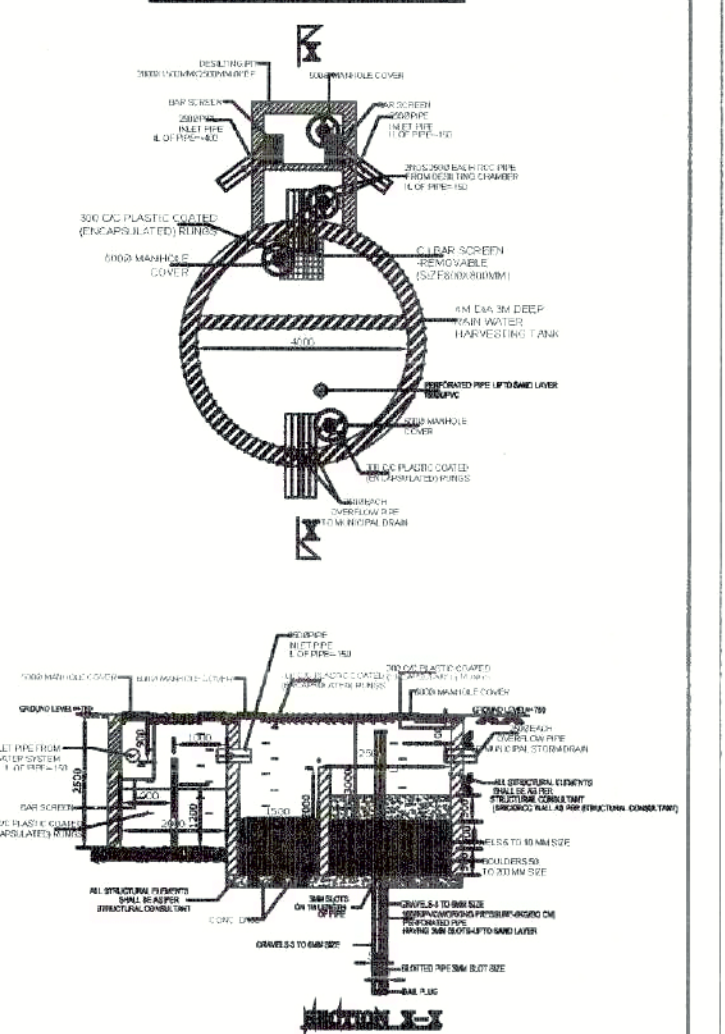
TOTAL PROPOSED PARKING ON LOWER BASEMENT= 322 CARS
TOTAL PROPOSED PARKING ON UPPER BASEMENT = 308 CARS
TOTAL PROPOSED PARKING ON STILL= 61 CARS
TOTAL PROPOSED PARKING ON SURFACE= 42 CARS
TOTAL PROPOSED PARKING=322+308+61+42=733 ECS SAY 733 CARS

GREEN AREA DETAIL	
TOTAL OPEN AREA OF THE SITE	
PLOT AREA - TOTAL GR. COVERAGE	
= 13800.00 - 4579.190 = 9220.81 SQM	
GREEN AREA REQUIRED	
= 50% OF OPEN AREA = 9220.81/2 = 4610.40 SQM	
PROP. GREEN AREA= 4637.422 SQM	
REQUIREMENT OF TREES	
ONE TREE PER 100 SQM OF OPEN AREA	
= OPEN AREA/100	
= 9220.81/100	
= 92.200	
REQUIRED NOS OF TREES=93	
PROPOSED NOS OF TREES=100	
EVERGREEN TREE =50 NOS.	
ORNAMENTED TREE=50 NOS.	



Sl. No.	Symbol	Botanical Name	Common Name	Height	Qty
1.		Mimosa pudica	Mimosa	3000mm	12
2.		Clusia ficoides	Amaltosa	3000mm	02
3.		Weinmannia albertiana	Kashal palm	3000mm	08
4.		Washingtonia filifera	Washingtonia palm	3000mm	04
5.		Cycas revoluta	Cycas	3000mm	05
6.		Phoenix roebelenii	Phoenix	3000mm	03
7.		Caryota urens	Palmetto palm	3000mm	10
8.		Bambusa vulgaris	Bamboo	3000mm	03

RAIN WATER HARVESTING & DESILTING CHAMBER SECTION & DETAIL



PART SUBMISSION DWG	
PROJECT:	PROPOSED GROUP HOUSING
AT PLOT NO. GH-16-D,	
SECTOR-01, G. NOIDA, U.P.	
CLIENT:	ALPINE INFRA PROJECTS PVT.LTD.
SHEET 'T' (E)	
DATE:	11-03-2023
SCALE:	1:100
DRAWN BY:	RAJEEV AGGARWAL
CHECKED BY:	CHAND
DATE:	2023-03-06
ARCHITECTS:	SPACE DESIGN GROUP
W-139, F.F. GREATER KAILASHI, NEW DELHI - 48	
PH: 011-29240732, 41631265	
EMAIL: space.design.group@gmail.com	

RAJEEV Aggarwal
Digitally signed by RAJEEV AGGARWAL
Date: 2023.03.06 13:54:21 +05'30'

AREA CHART

PLOT AREA	=	13800.00 SQM
PERMISSIBLE F.A.R. @2.75	=	37950.00 SQM
PURCHASABLE FAR @0.7425	=	10246.50 SQM
TOTAL PERMISSIBLE+PURCHASABLE FAR (2.75+0.7425)	=	48196.50 SQM
GREEN FAR @ 5%	=	2409.83 SQM
TOTAL PERMISSIBLE+PURCHASABLE+GREEN FAR (2.75+0.7425+0.05)	=	50606.33 SQM
PERMISSIBLE GROUND COVERAGE@ 35%	=	4830.00 SQM
PERMISSIBLE AREA OF COMMERCIAL @1%of FAR (2.75)	=	379.50 SQM
PURCHASABLE COMMERCIAL AREA	=	103.50 SQM
PERMISSIBLE AREA OF COMMERCIAL	=	483.00 SQM
TOTAL PERMISSIBLE AREA OF COMMERCIAL	=	483.00 SQM
PROPOSED F.A.R.	=	50555.63 SQM
PROPOSED GROUND COVERAGE @ (32.50%)	=	4485.84 SQM
PROPOSED COMMERCIAL AREA @ (0.998%)	=	482.95 SQM
PROPOSED LOWER BASEMENT AREA	=	10808.36 SQM
PROPOSED UPPER BASEMENT AREA	=	10855.84 SQM
PROPOSED STILT AREA	=	1594.43 SQM
TOTAL PERMISSIBLE ANCILLARY AREA	=	7590.95 SQM
PROPOSED ANCILLARY AREA @ (14.52%)	=	7351.01 SQM

DENSITY/POPULATION

PERMISSIBLE DENSITY (1650+450) = 2100 PPH	
PERM. DUS @ 3.5 FAR = (2100*1.38)/4.5 = 644	
TOTAL PERM. DUS = 644	SAY 644
TOTAL NO. OF FLATS= 616 FLATSx4.5=2772 PERSONS	
TOTAL POPULATION ACHIEVED=2772PERSONS	
PROPOSED DENSITY =2772/1.38 =2008.70 PPH	SAY 2009 PPH

PARKING CALCULATION

PARKING REQUIRED FOR HOUSING = 50207.85/80 SQM	627.8	ECS
PARKING REQUIRED FOR COMMERCIAL = 482.95/50 SQM	7.59	ECS
PARKING REQUIRED FOR COMMUNITY = 673.012/100 SQM	6.73	ECS

CAR PARKING REQUIRED=627.598+7.590+6.730=641.918 CARS SAY 642 CARS

TOTAL PROPOSED PARKING ON LOWER BASEMENT= 280,930 CARS
TOTAL PROPOSED PARKING ON UPPER BASEMENT= 268,859 CARS
TOTAL PROPOSED PARKING ON STILT= 53,148 CARS
TOTAL PROPOSED PARKING ON SURFACE=46 CARS
TOTAL PROPOSED PARKING=280,930+268,859+53,148+46=648,937 ECS SAY 649 CARS

GREEN AREA DETAIL

TOTAL OPEN AREA OF THE SITE
PLOT AREA - TOTAL GR. COVERAGE
= 13800.00 - 4485.840 = 9314.16 SQM

GREEN AREA REQUIRED

= 50% OF OPEN AREA = 9314.16/2 = 4657.08 SQM
PROP. GREEN AREA= 4720.256 SQM

REQUIREMENT OF TREES

ONE TREE PER 100 SQM OF OPEN AREA
= OPEN AREA/100
= 9314.16/100
= 93.140
REQUIRED NOS OF TREES=94
PROPOSED NOS OF TREES=100
EVERGREEN TREE =50 NOS.
ORNAMENTED TREE=50 NOS.

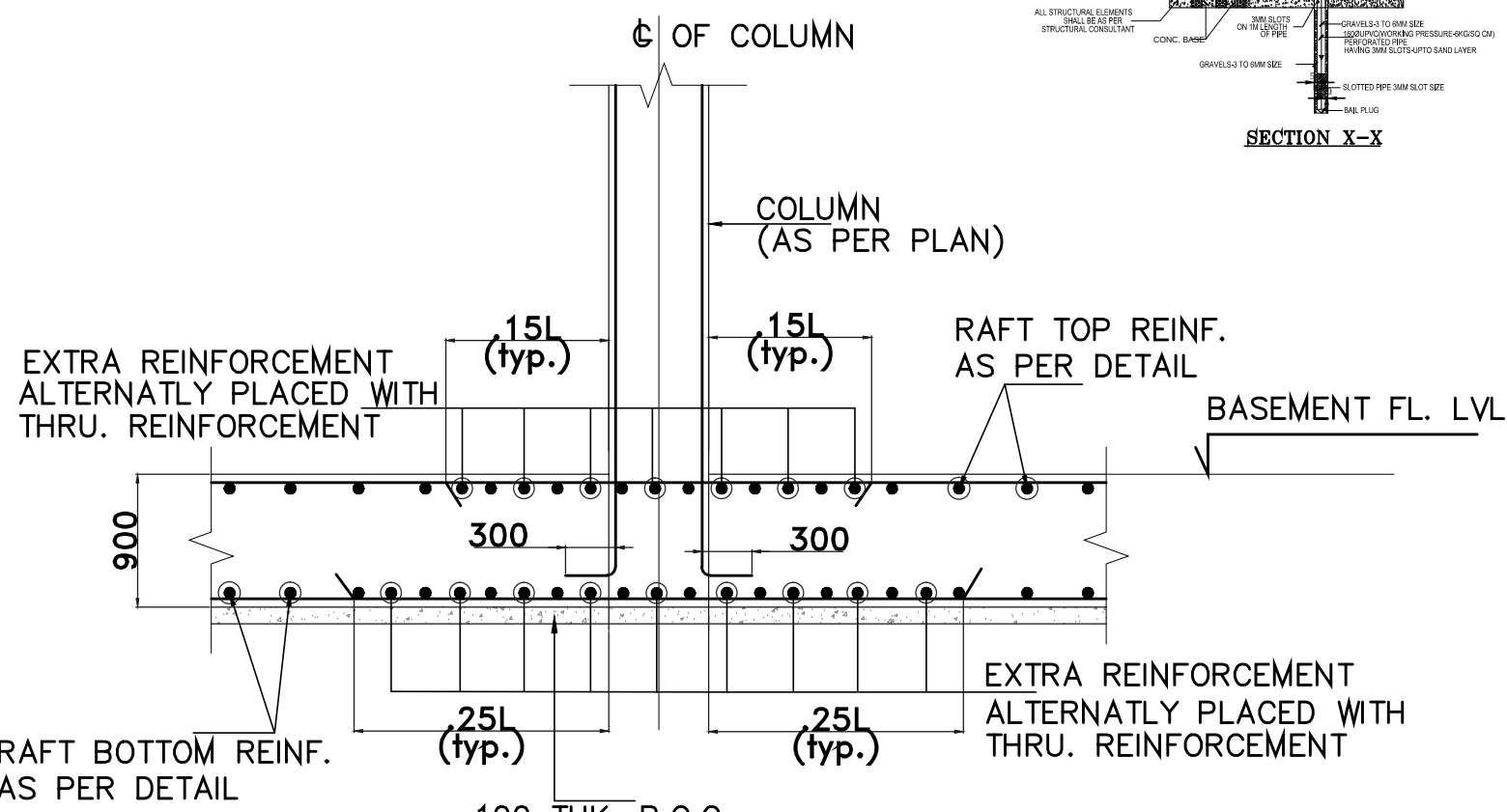
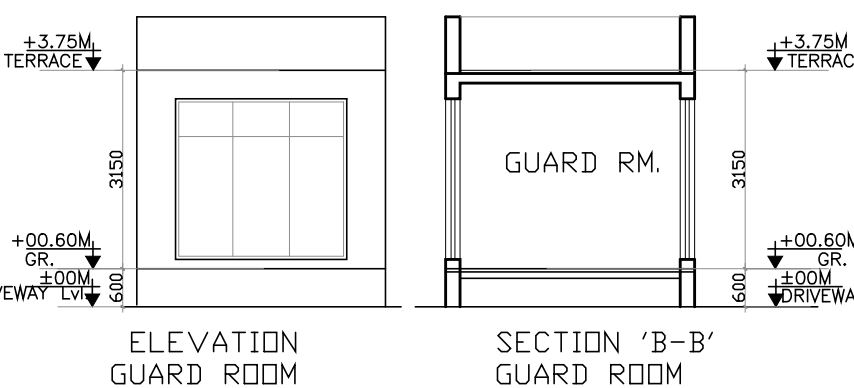
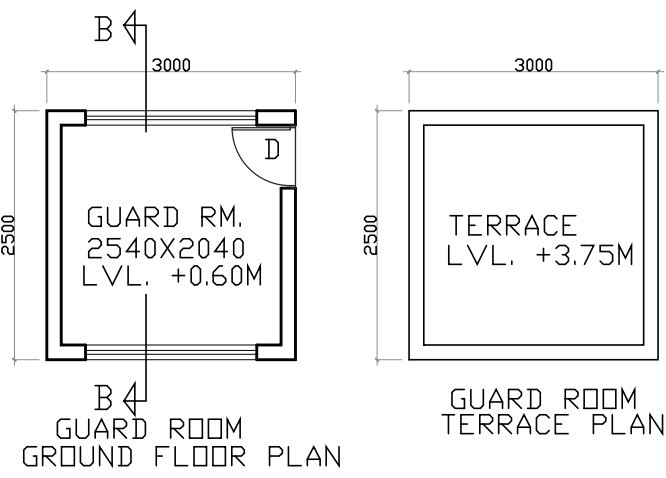
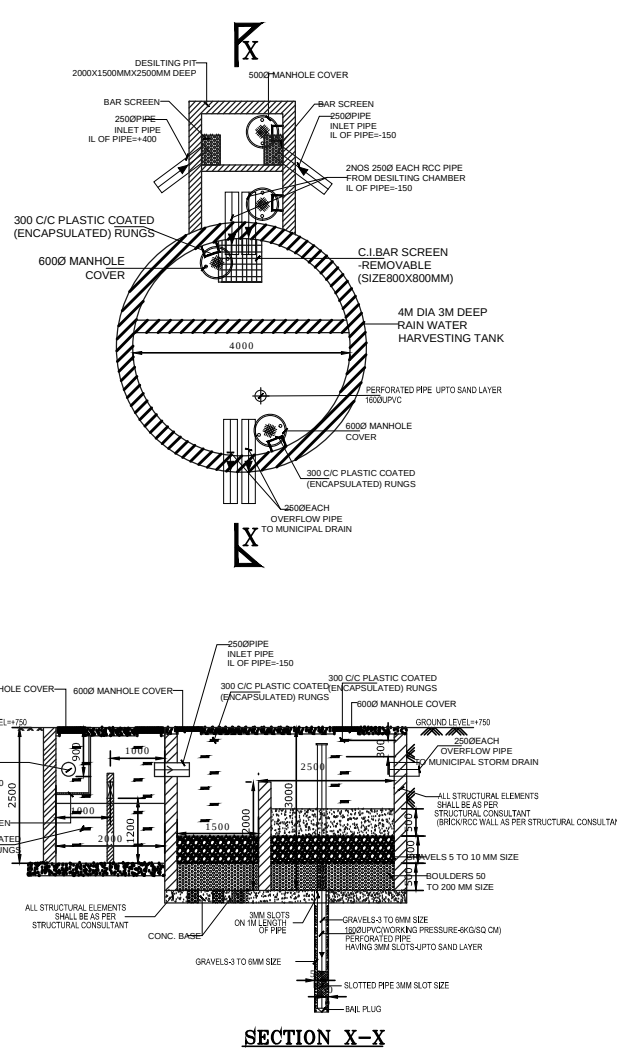
PHASE 4

PHASE 3

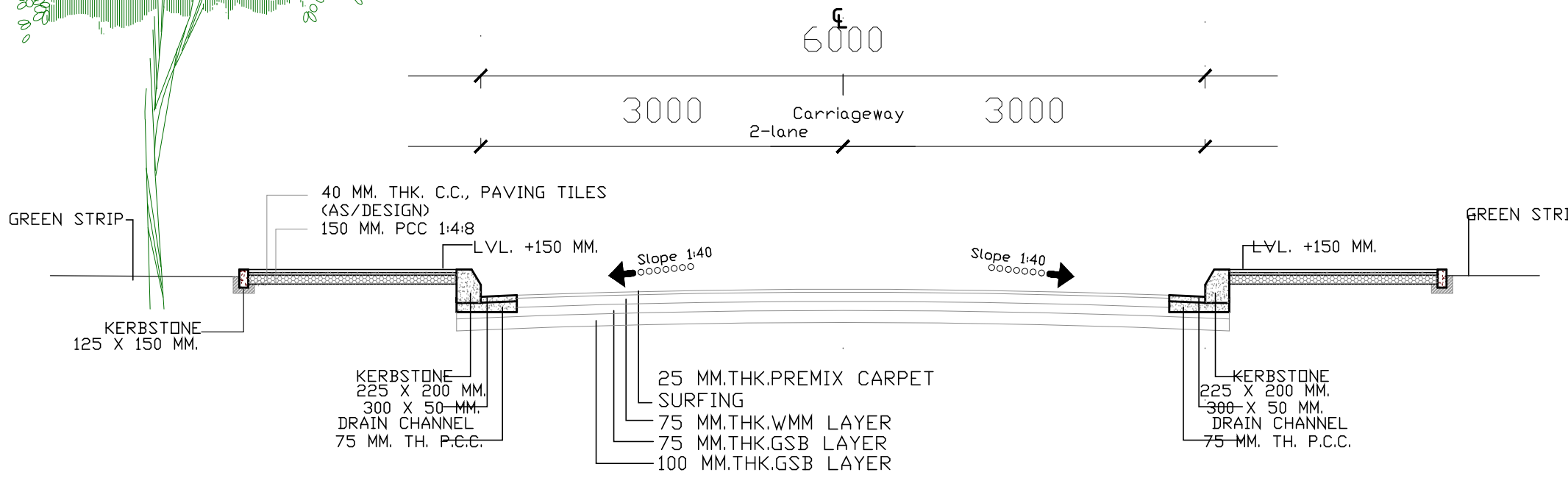
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PHASE 1

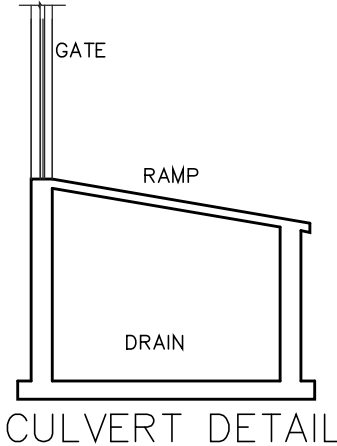
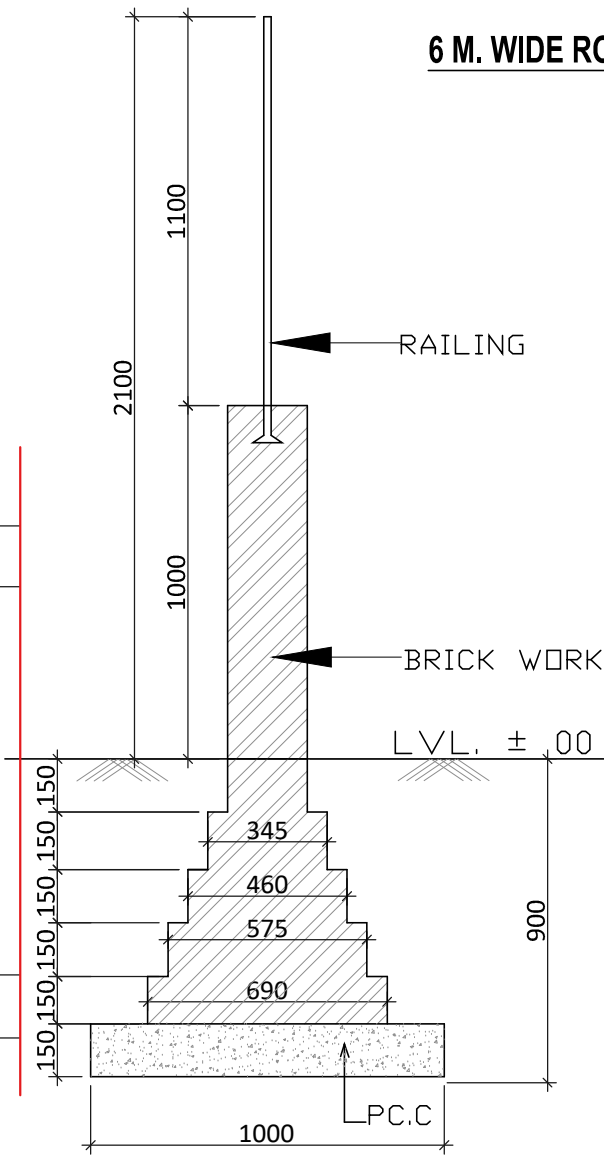
RAIN WATER HARVESTING & DESILTING CHAMBER SECTION & DETAIL



TYPICAL SECTION THRU RAFT SHOWING EXTRA REINFORCEMENT ARRANGMENT



6 M. WIDE ROAD SECTION



SUBMISSION DRAWING	
PROJECT : PROPOSED GROUP HOUSING AT PLOT NO. . GH - 16 - D, SECTOR-01, G. NOIDA, U.P.	
CLIENT : ALPINE INFRA PROJECTS PVT.LTD.	
SHEET TITLE : SITE PLAN	
DATE : 26-03-18	DRG.NO : SD-02
SCALE : 1:400	NORTH:
OWNER'S SIGN	ARCHITECT'S SIGN
ARCHITECTS: SPACE DESIGN GROUP W-139, F.F GREATER KAILASH-I, NEW DELHI -48 PH. 011-29240732 , 41631265 EMAIL : spacedesigngroup@rediffmail.com / gmail.com	

195.180

170.257

60M WIDE ROAD

75M WIDE GREEN BELT

81.033

ROAD 6M WIDE

LVL. +450 MM

7.5 M SET BACK LINE

TOWER 1
2B+G+19TH FLOOR

PHASE 4
TOWER 1 & 2 (A & B)
AREA = 3610.0 SQM

TOWER 2
2B+G+19TH FLOOR

6 M WIDE FIRE TENDER MOVEMENT

LAWN

7.5 M SET BACK LINE

6 M WIDE FIRE TENDER MOVEMENT

PHASE 3
TOWER 3 (C)
AREA = 2140.0 SQM
UPPRERAPRJ902517

PHASE 2
TOWER 4 & 5 (D & E)
AREA = 2850.0 SQM
UPPRERAPRJ958972

TOWER 5
2B+G+19TH FLOOR

ROAD 6M WIDE

TOWER 6
2B+G+19TH FLOOR

6 M WIDE FIRE TENDER MOVEMENT

TOWER 7
2B+G+19TH FLOOR

PHASE 1
TOWER 6 & 7 (F & G)
AREA = 5200.0 SQM
UPPRERAPRJ17394

PUMP ROOM BELOW

COMMERCIAL

12 M SET BACK LINE

ROAD 6M WIDE

WATER TANK BELOW

PLOT LINE

RAIN WATER HARVESTING

73.500

ENTRY
LVL. ± 00 MM

24 M WIDE ROAD

EXIT
LVL. ± 00 MM