

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.	=	50656.63 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= 557 FLATSX4.5=2506.5 PERSONS	
TOTAL POPULATION ACHIEVED=2507PERSONS	
PROPOSED DENSITY =2507/1.38 =1816.66 PPH	SAY 1817 PPH

PARKING CALCULATION

PARKING REQUIRED FOR HOUSING = 50207.85/80 SQM	627.8353	ECS
PARKING REQUIRED FOR COMMERCIAL = 507.15/50 SQM	7.59	ECS
PARKING REQUIRED FOR COMMUNITY = 673.012/100 SQM	6.730118	ECS
CAR PARKING REQUIRED=627.598+10.143+6.730=644.471 CARS		SAY 645 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

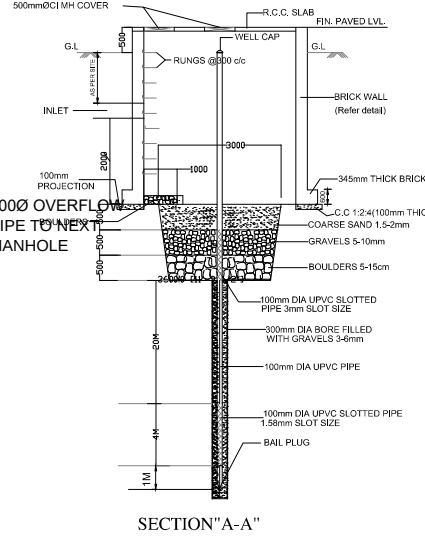
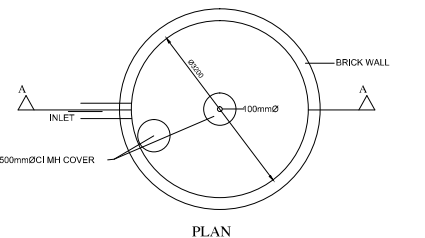
= 50% OF OPEN AREA =9314.16/2 = 4657.08 SQM
PROP. GREEN AREA= 4720.256 SQM

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.	

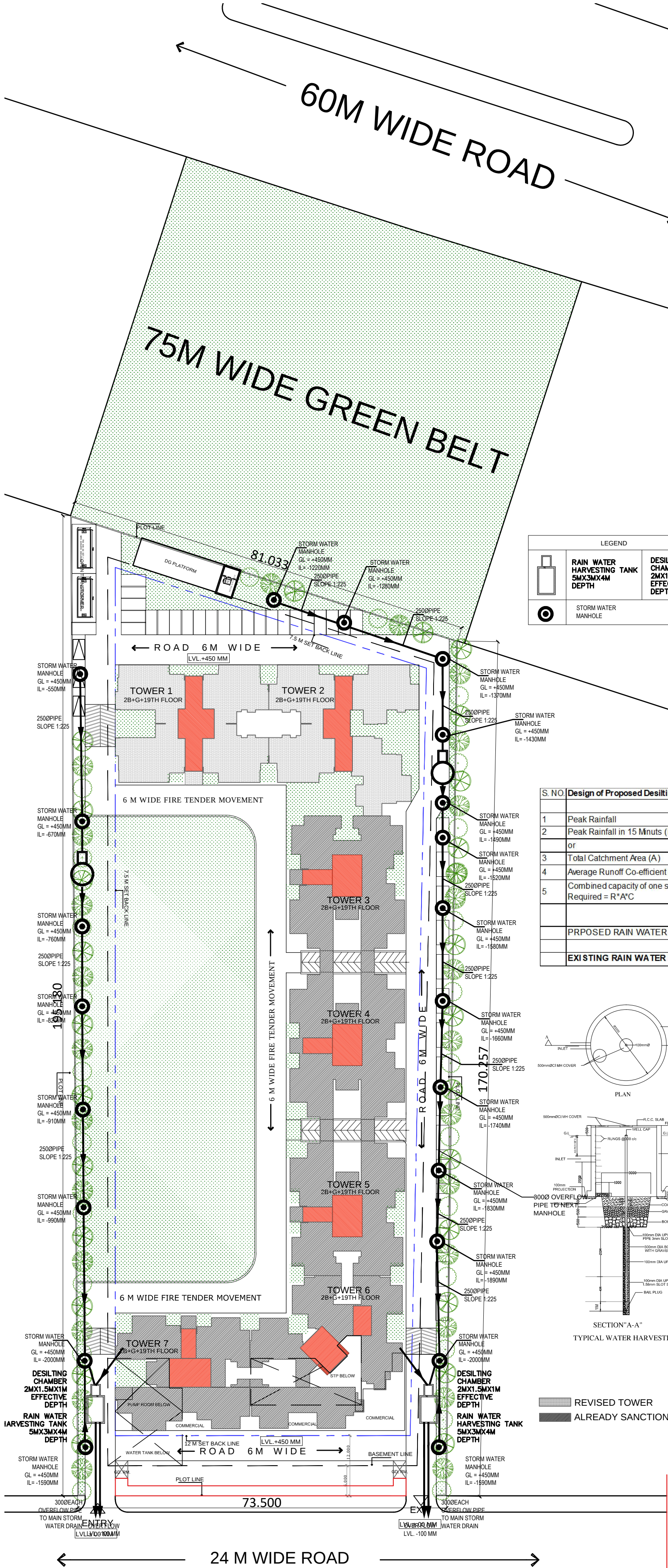
LEGEND	
	RAIN WATER HARVESTING TANK 5MX3MX4M DEPTH
	DESILTING CHAMBER 2MX1.5MX1M EFFECTIVE DEPTH
	STORM WATER MANHOLE

S. NO.	Design of Proposed Desilting Tanks and Recharge Pits for at least 15 min. of Peak Intensity Rain Fall at the site-			
1	Peak Rainfall		100	mm/Hr.
2	Peak Rainfall in 15 Mnts (R)		25	mm/ 15 min
	or	R	0.03	M/15 min
3	Total Catchment Area (A)	A	4572.00	Sqm
4	Average Runoff Co-efficient (C)	C	0.8	
5	Combined capacity of one set of Desilting Tank and Recharge Pit Required = R*A*C	R*A*C	91.44	
		No.	Volume(CUM)/unit	No. of unit
	PROPOSED RAIN WATER HARVESTING SYSTEM (TYPE-3)	4	23.000	4.00
				92.00
	EXISTING RAIN WATER HARVESTING SYSTEM	2 NOS		



SECTION "A-A"
TYPICAL WATER HARVESTING DETAIL

REVISED TOWER
ALREADY SANCTIONED



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 RAIN WATER ONLY TERRACE	
DATE : 01-08-22	DRG.NO : RWD-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, 41633265 EMAIL: spacedesigngroup@rediffmail.com/ gmail.com	