

AREA CHART

PLOT AREA	=	13800.00 SQM
PERMISSIBLE F.A.R. @2.75	=	37850.00 SQM
PURCHASABLE FAR @0.7425	=	10246.50 SQM
TOTAL PERMISSIBLE+PURCHASABLE FAR (2.75+0.7425)	=	48106.50 SQM
GREEN FAR @ 5%	=	2409.83 SQM
TOTAL PERMISSIBLE+PURCHASABLE+GREEN FAR (2.75+0.7425+0.05)	=	60606.33 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	=	60556.63 SQM
PROPOSED F.A.R.	=	4485.84 SQM
PROPOSED GROUND COVERAGE @ (32.50%)	=	482.95 SQM
PROPOSED COMMERCIAL AREA @ (0.998%)	=	10808.36 SQM
PROPOSED LOWER BASEMENT AREA	=	10855.84 SQM
PROPOSED UPPER BASEMENT AREA	=	1594.43 SQM
TOTAL PERMISSIBLE ANCILLARY AREA	=	7590.95 SQM
PROPOSED ANCILLARY AREA @14.52%	=	7351.01 SQM

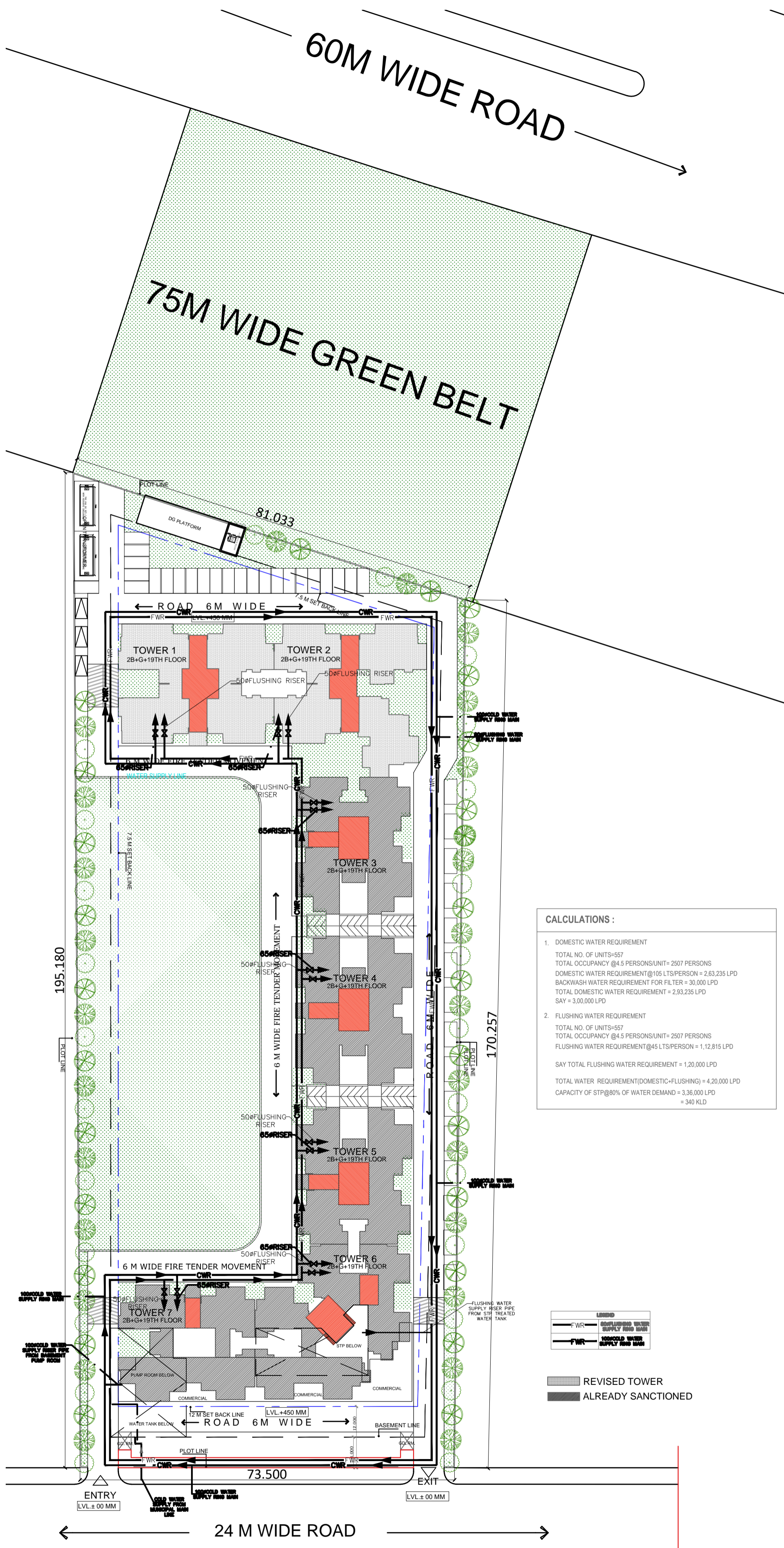
DENSITY/POPULATION		
PERMISSIBLE DENSITY (1650+450) = 2100 PPH		
PERM. DUS @ 3.5 FAR = (2100*1.38)/4.5 = 644		
TOTAL PERM. DUS = 644		SAY 644
TOTAL NO. OF FLATS = 557 FLATS X 4.5 = 2506.5 PERSONS		
TOTAL POPULATION ACHIEVED = 2507 PERSONS		
PROPOSED DENSITY = 2507/1.38 = 1816.66 PPH		SAY 1817 PPH

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.		

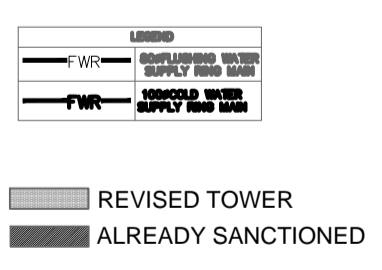
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



CALCULATIONS :

- DOMESTIC WATER REQUIREMENT**
 TOTAL NO. OF UNITS = 557
 TOTAL OCCUPANCY @ 4.5 PERSONS/UNIT = 2507 PERSONS
 DOMESTIC WATER REQUIREMENT @ 105 LTRS/PERSON = 2,63,235 LPD
 BACKWASH WATER REQUIREMENT FOR FILTER = 30,000 LPD
 TOTAL DOMESTIC WATER REQUIREMENT = 2,93,235 LPD
 SAY = 3,00,000 LPD
- FLUSHING WATER REQUIREMENT**
 TOTAL NO. OF UNITS = 557
 TOTAL OCCUPANCY @ 4.5 PERSONS/UNIT = 2507 PERSONS
 FLUSHING WATER REQUIREMENT @ 45 LTRS/PERSON = 1,12,815 LPD
 SAY TOTAL FLUSHING WATER REQUIREMENT = 1,20,000 LPD
 TOTAL WATER REQUIREMENT (DOMESTIC + FLUSHING) = 4,20,000 LPD
 CAPACITY OF STP @ 80% OF WATER DEMAND = 3,36,000 LPD
 = 340 KLD



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 DOMESTIC & FLUSHING WATER SUPPLY	
DATE: 01-09-22	DRG. NO.: DOM&FLUSH-WS-04
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	