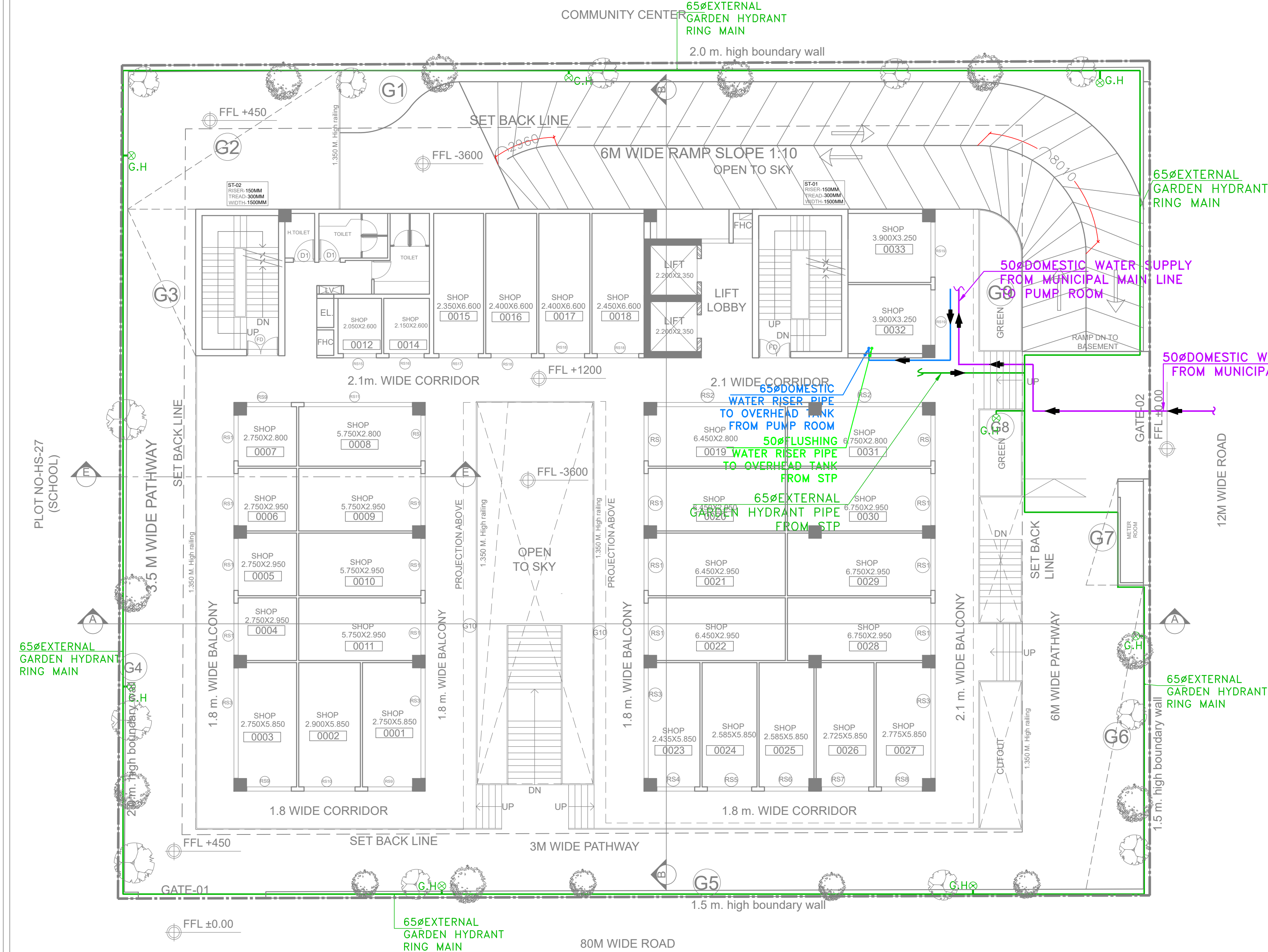




F.A.R. CALCULATIONS			
TOTAL SITE AREA		1902.500	SQM
PERMISSIBLE GROUND COVERAGE	40%	761.000	SQM
PROPOSED GROUND COVERAGE (INCLUDING METER ROOM @7.5 SQMT.)	39.97%	760.480	SQM
PERMISSIBLE F.A.R. (A)	2	3805.000	SQM
PERMISSIBLE SERVICE FAR AREA (B=15% OF A)	15%	570.750	SQM
PROPOSED F.A.R. (C)	1.96	3735.250	SQM
PROPOSED SERVICE F.A.R. (D)	16.71%	635.700	SQM
EXCESS SERVICES F.A.R ADDED MAIN F.A.R. (E=D-B)	1.71%	64.950	SQM
TOTAL PROPOSED F.A.R. (F=C+E)		3800.20	SQMT.

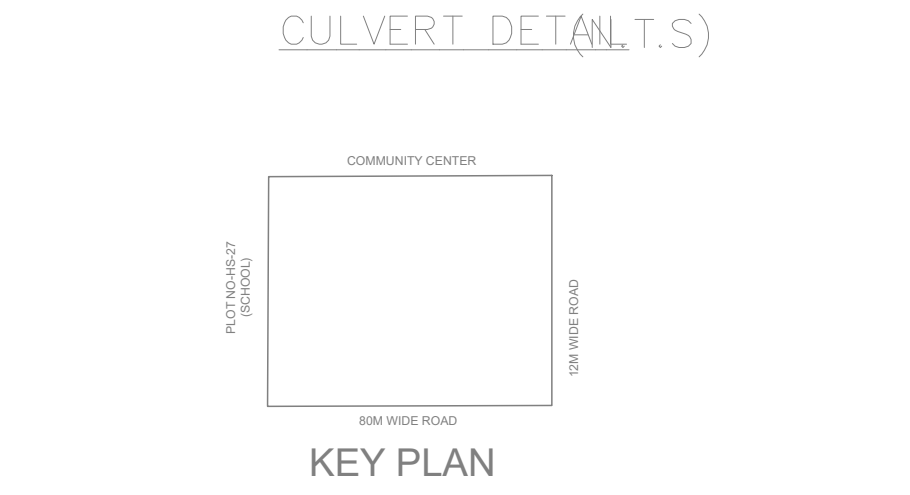
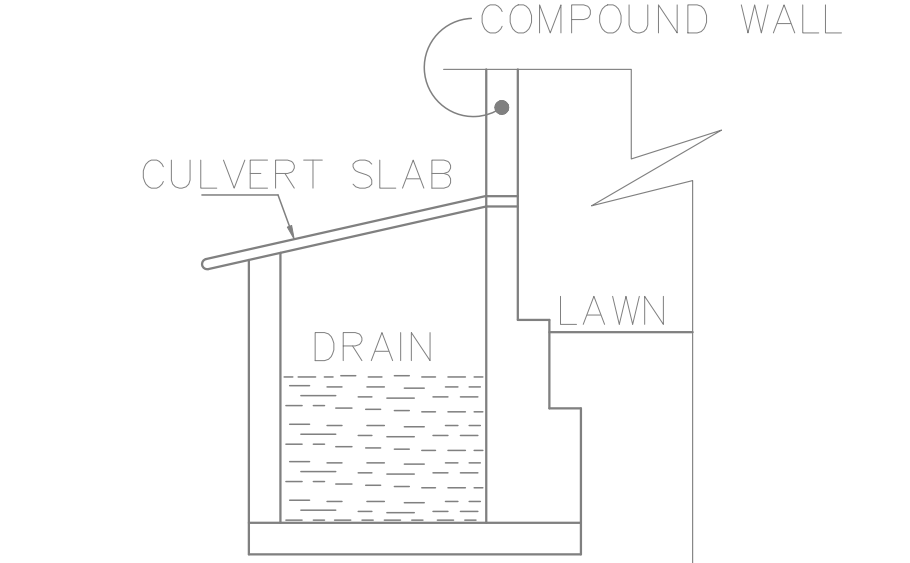
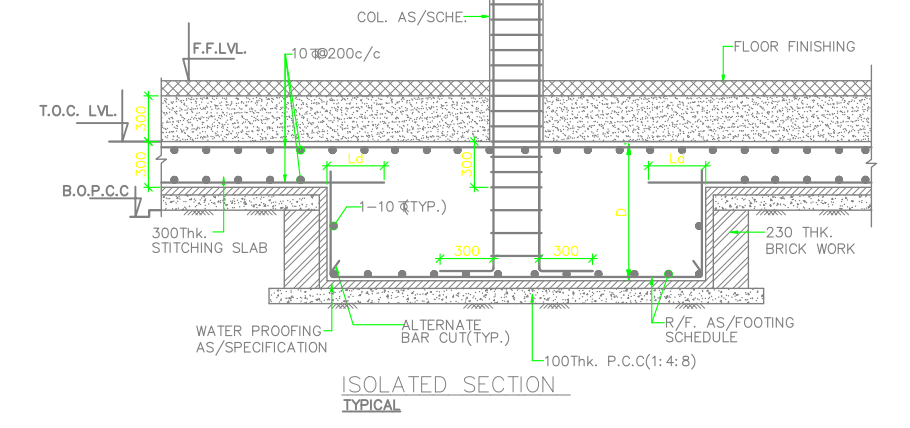
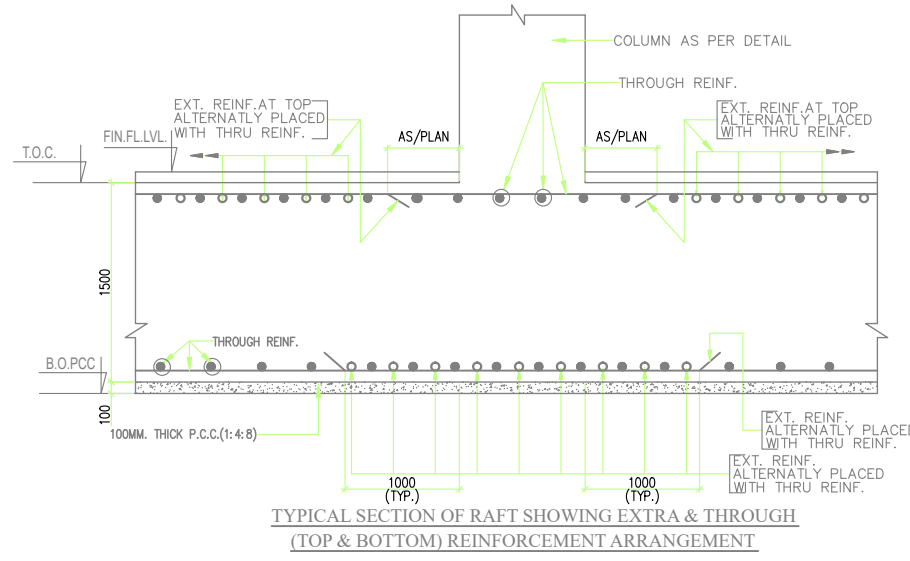
AREA CALCULATIONS					
FLOORS	FAR	15% SERVICE AREA	NON FAR (LIFT WELL)	BUILT UP AREA	GROUND COVERAGE
BASEMENT 01		112.280	1138.07	1250.351	
BASEMENT 02		150.330	1104.07	1254.405	
GROUND FLOOR	713.114	39.866		752.980	752.980
FIRST FLOOR	700.214	39.866	10.34	750.42	
SECOND FLOOR	658.669	48.711	10.34	717.72	
THIRD FLOOR	658.669	48.711	10.34	717.72	
FOURTH FLOOR	658.669	48.711	10.34	717.72	
FIFTH FLOOR	338.415	19.305	10.34	368.06	
MUMTY AND MACH.ROOM		71.520		71.52	
TANK		56.400		56.40	
METER ROOM	7.500			7.50	7.500
TOTAL FAR	3735.250	635.700	2293.845	6664.795	760.480

PARKING CALCULATIONS			
1	PLOT AREA	1902.50	SQM
2	PERMISSIBLE FAR	3805.00	SQM
3	PARKING REQUIRED @ 1 ECS/50 SQM	76.1	ECS
PARKING PROVIDED			
3	BASEMENT-1 (MECHANICAL PARKING) @18 SQM	812.478/18=45.137	ECS
4	BASEMENT-2 (MECHANICAL PARKING) @18 SQM	908.895/18=50.494	ECS
	TOTAL PROPOSED PARKING	95.00	ECS

GREEN AREA CALCULATIONS			
GREEN AREA REQUIRED 25% OF OPEN AREA			
OPEN AREA	=	PLOT AREA	-
(A)	=	1902.50	761.00
	=	1141.50	SQM
GREEN AREA REQUIRED 25% OF (A)	=	285.38	SQM
GREEN AREA PROVIDED	=	291.02	SQM

TREE CALCULATIONS			
TOTAL NO. OF TREES REQUIRED	OPEN AREA / 100	11.415	
	SAY	11	
TOTAL NO. OF TREES PROPOSED		20	

PROPOSED GREEN AREA					
S.NO.	Dimension (M)		Dimension (M)	NOS.	AREA (SQ.M)
G1	AS/PLINE	X		1	30.550
G2	9.920	X	6.470	1	64.182
G3	3.235	X	6.920	1	22.386
G4	0.785	X	25.235	1	19.809
G5	0.685	X	40.100	1	27.469
G6	1.200	X	27.015	1	32.418
G7	1.950	X	6.650	1	12.968
G8	1.950	X	4.050	1	7.898
G9	2.050	X	17.950	1	36.798
G10	0.600	X	17.950	1	10.770
G11	4.000	X	3.200	1	12.800
G12	1.450	X	8.950	1	12.978
TOTAL GREEN AREA PROVIDED					291.025



WATER SUPPLY REQUIREMENT OF PLUMBING SYSTEM						
S.No.	Description	Area of in Sqm	Occupancy	Cold Water Requirement		Total Cold Water
				Flushing Use in LPCD	Domestic Use in LPCD	LPD
1	Basement					
2	Lower Ground Floor					
3	Ground Floor					
4	First Floor					
5	Second Floor					
6	Third Floor					
7	Fourth Floor					
8	Fifth Floor					
9	Staff @ 10% of total population					
	TOTAL			14215	19730	33945
	SAY (IN KLD)			14 KLD	20 KLD	35 KLD
UNDER GROUND TANK						
1	Fire Water Tank					
2	Domestic Water Tank					
3	STP Treated Water Tank Near STP Area					
	TOTAL					
1	Domestic Use @ 80 %					
2	Flushing Use @ 100 %					
3	Extra capacity 20% as per MOEF					
	TOTAL					
4	Treated Water Available @ 90%					
OVERHEAD TANKS						
1	Fire Tank					
2	Domestic Tank					
3	Flushing Tank					

SIGMA GALLERIA AT GREATER NOIDA			
RAIN WATER HARVESTING PIT CALCULATION SHEET			
S.No	Description	Total area	Unit
1	Area Details		
1.1	Total Plot Area	1902	Sqm
1.2	Roof Area	713	Sqm
1.3	Road + Paved Area	898	Sqm
1.4	Green Area	291	Sqm
2	Design Parameters		
2.1	Intensity of Rainfall Considered	60	mm/hr
3	Run-off Co-efficient Considered for :-		
3.1	Roof Area	0.9	
3.2	Road & Paved Area	0.6	
3.3	Green Area	0.2	
4	Rainfall Discharge		
4.1	Roof Area	38.50	Cu-m
4.2	Road & Paved Area	32.328	Cu-m
4.3	Green Area	3.492	Cu-m
	Total Rainfall Discharge	74.32	Cu-m
5	Pit Volume Proposed 25% of total Rainfall Discharge	18.58	Cu-m
6	Pit Volume Proposed (4.0x2.5x3.5M)	35.00	Cu-m
7	No of Pit	0.53	
8	Say	1.00	Nos.

LEGEND :-		
S.No.	DESCRIPTION	SYMBOL
1.	SEWER LINE	
2.	ETP WASTE LINE	
3.	RAIN WATER PIPE	
4.	DOMESTIC WATER RISER PIPE	
5.	FLUSHING WATER RISER PIPE	
6.	DRAIN CHANNEL	
7.	GARDEN HYDRANT	
8.	BORE WELL	
9.	MANHOLE SEWER	
10.	CIRCULAR SEWER MANHOLE	
11.	ETP WASTE MANHOLE	
12.	CIRCULAR ETP WASTE MANHOLE	
13.	CATCH BASIN FOR (RAIN WATER)	
14.	STORM WATER MANHOLE	

WAC CONSULTANT:

WAC Engineers
INDIA PVT. LTD.
MEP Consultants & Project Managers
B-78, Sector-6, Noida, UP-201301
Ph.: 0120-4504693, E-mail: wac@wacmep.com

For Green Projects LLP
Authorized Partner
OWNER'S SIGN
ARCHITECT'S SIGN
GIAN P. MATHUR
ARCHITECT
B. Arch. M.C.A., A.I.A.
CA No 80/5769

CLIENT:
GREEN PROJECTS LLP
PROJECT:
SIGMA GALLERIA COMMERCIAL, SEC-SIGMA, GREATER NOIDA

SANCTION DRAWINGS
TITLE
SITE PLAN
WATER SUPPLY LAYOUT
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