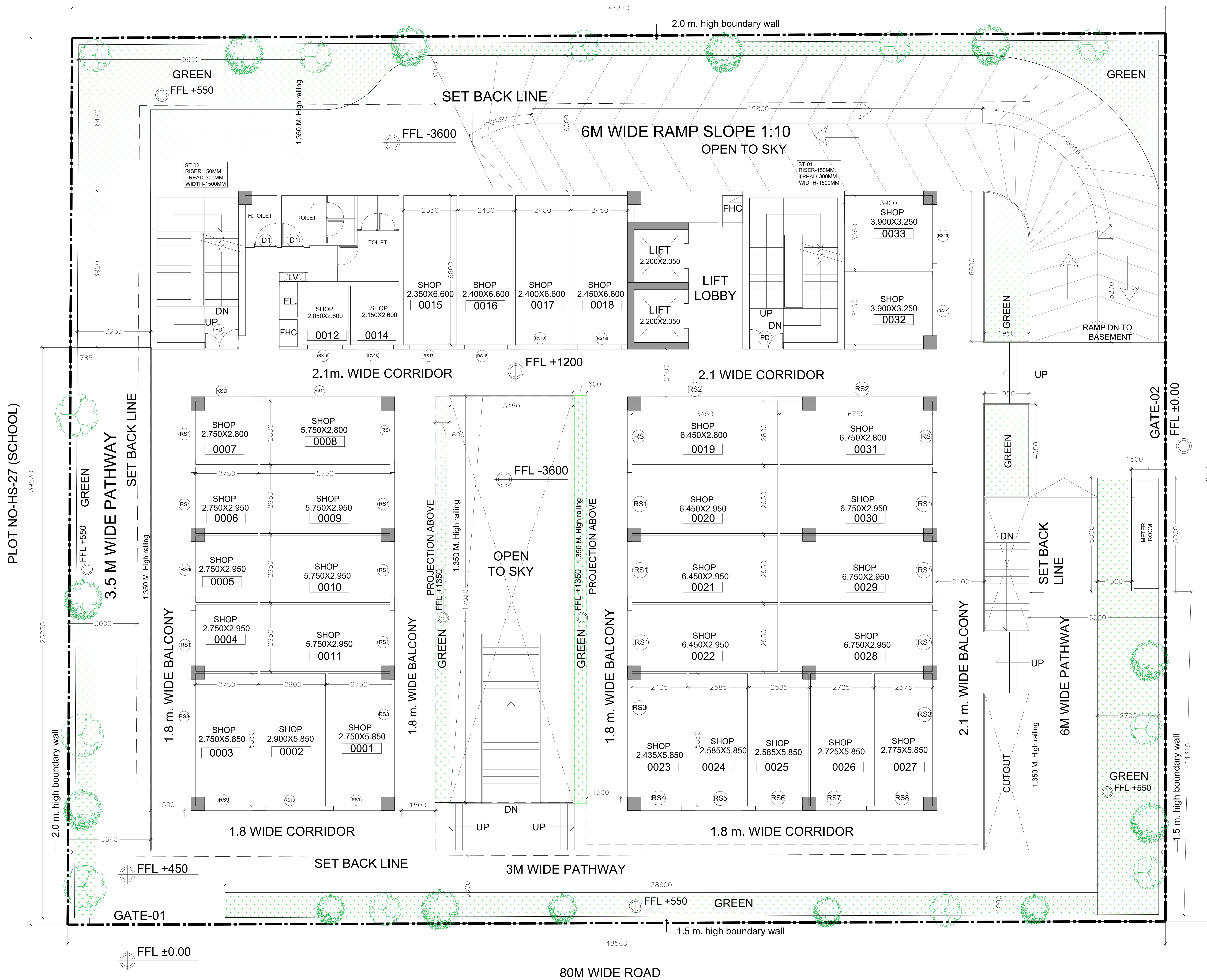


COMMUNITY CENTER



NO. OF TREES PROVIDED		
NAMES		NO.s
	CASSIA FISTULA 5M C/C	10
	DELONIX REGIA	10
TOTAL		20

For Green Projects LLP
Designated Partner

OWNER'S SIGN

CLIENT:	
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GREEN PROJECTS LLP

PROJECT:
PROPOSED COMMERCIAL AT PLOT NO. LS-01,
SECTOR-SIGMA-II , GREATER NOIDA (U.P)

SANCTION DRAWINGS

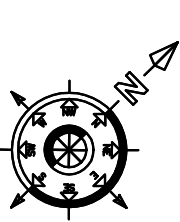
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LANDSCAPE PLAN

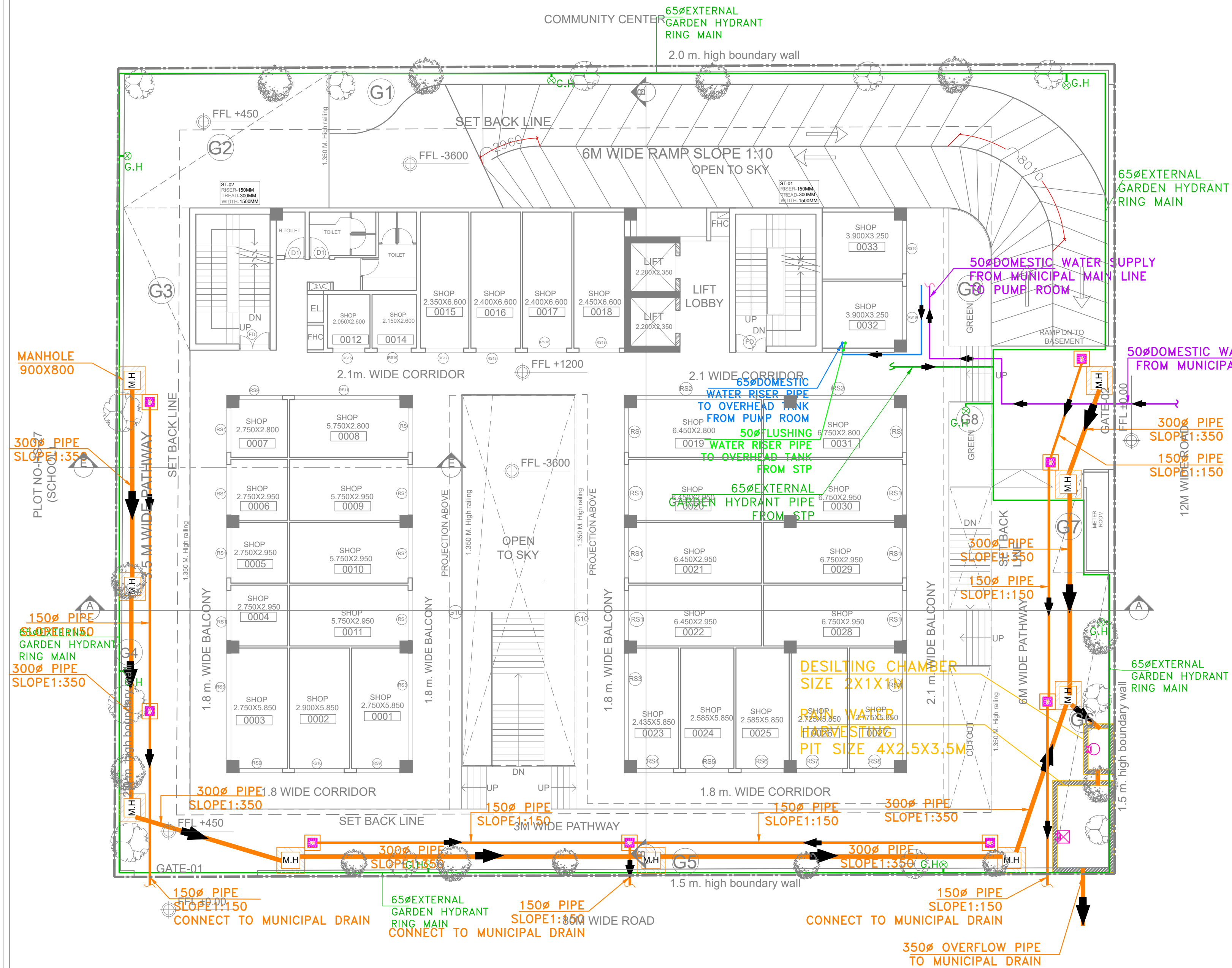
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DEALT	JAGD
CHKD	RAHU

SCALE - 1:100	DRG.NO. - S-01A
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WATER SUPPLY REQUIREMENT OF PLUMBING SYSTEM							
S.No.	Description	Area of in Sqm	Occupancy	Cold Water Requirement		Total Cold Water	LPD
				Flushing Use LPCD	Domestic Use in LPD		
1	Basement						
	Car Parking @30sqm/pp	750	25	10	250	5	125
2	Lower Ground Floor						
	Commercial Use @3 Sqm/PP	442	147				
	Visitor 90%		133	10	1326	5	663
	Staff 10%		15	25	368	20	295
3	Ground Floor						
	Commercial Use @3 Sqm/PP	556	185				
	Visitor 90%		167	10	1668	5	834
	Staff 10%		19	25	463	20	371
4	First Floor						
	Commercial Use @3 Sqm/PP	532	177				
	Visitor 90%		160	10	1596	5	798
	Staff 10%		18	25	443	20	355
5	Second Floor						
	Studio	24	48	45	2160	90	4320
6	Third Floor						
	Studio	24	48	45	2160	90	4320
7	Fourth Floor						
	Studio	24	48	45	2160	90	4320
8	Fifth Floor						
	Studio	24	48	45	2160	90	4320
9	Staff @ 10 % of total population		18	30	360	45	810
	TOTAL			14215	19730		33945
	SAY (IN KLD)			14 KLD	20 KLD		35 KLD
UNDER GROUND TANK							
1	Fire Water Tank						
	For Sprinkler and Hydrants	200	KL	100 x 2	KL		
	Total	200	KL	100 x 2	KL		As per NBC-2016
2	Raw Water Tank	10	KL	15	KL		For 1.5 day requirement
3	Domestic Water Tank	10	KL	15	KL		For 1.5 day requirement
4	STP Treated Water Tank Near STP Area	25	KL	25	KL		
	Total	45	KL	55	KL		
STP PROPOSED							
1	Domestic Use @ 80 %	16	KLD				
2	Flushing Use @ 100 %	14	KLD				
	Total	30	KLD				
3	Extra capacity 20% as per MOEF	6	KLD				
	Total	36	35	KLD (say)			
4	Treated Water Available @ 90%	27	25	KLD (say)			
OVERHEAD TANKS							
Tower A							
1	Fire Tank	20	KL	20	KL		As per NBC-2016
2	Domestic Tank	10	KL	10	KL		For 1/2 day requirement
3	Flushing Tank	8	KL	8	KL		For 1/2 day requirement

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.

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.

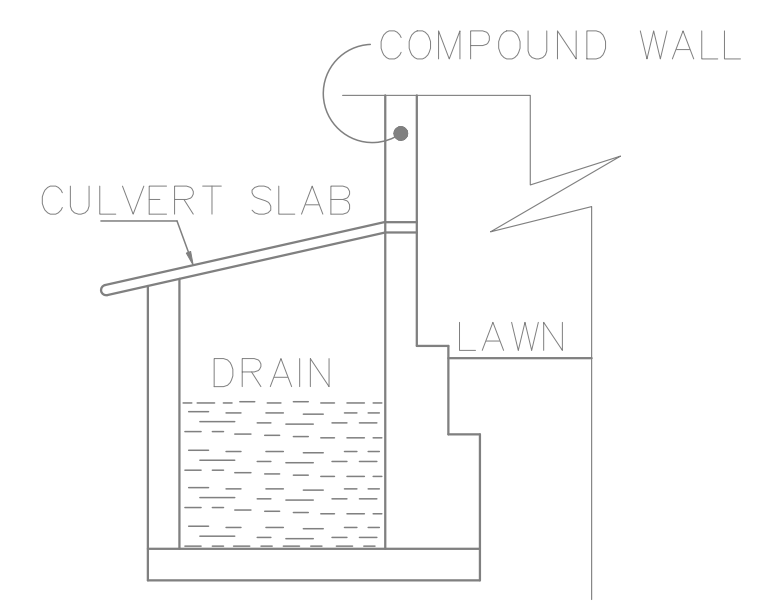
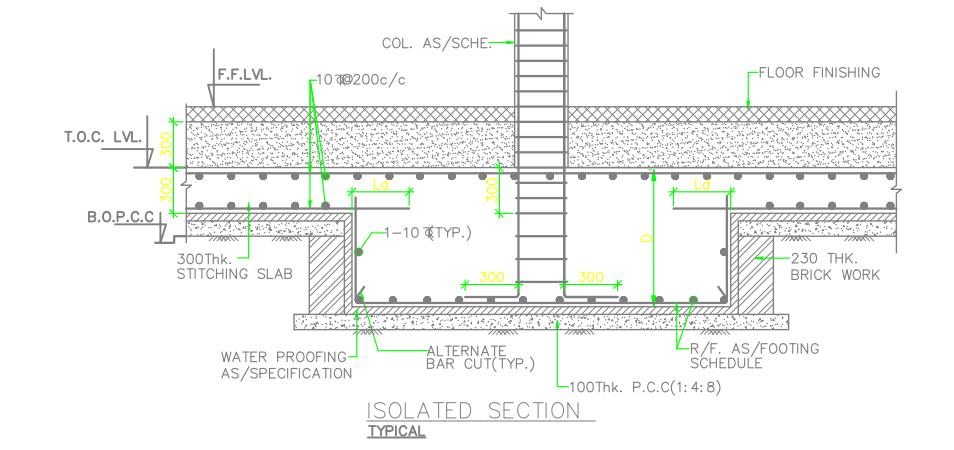
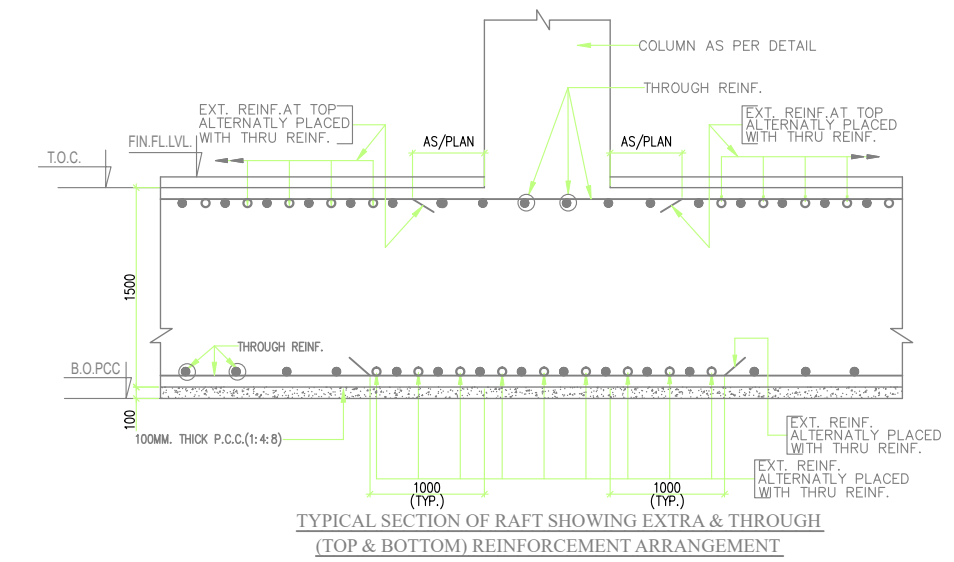
AREA CALCULATIONS					
FLOORS	FAR	15% SERVICE AREA	NON FAR (LIFT WELL)	BUILT UP AREA	GROUND COVERAGE
BASEMENT 01		112.280	1138.07	1250.351	
BASEMENT 02		150.330	1104.07	1254.405	
GROUND FLOOR	713.114	39.866		752.980	752.980
FIRST FLOOR	700.214	39.866	10.34	750.42	
SECOND FLOOR	658.669	48.711	10.34	717.72	
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	56.400		71.52	
TANK				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

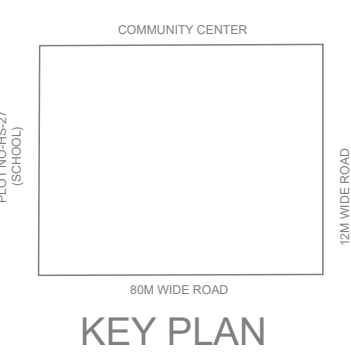
GREEN AREA CALCULATIONS			
GREEN AREA REQUIRED 25 % OF OPEN AREA			
OPEN AREA	=	PLOT AREA	-
(A)	=	1902.50	-
		761.00	
		1141.50	SQM
GREEN AREA REQUIRED 25 % OF (A)	=	285.38	SQM
GREEN AREA PROVIDED	=	291.02	SQM

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



CULVERT DETAIL (T.S.)



KEY PLAN

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For Green Projects LLP
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 PLUMBING COORDINATED LAYOUT

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SCALE: 1:200
DRG. NO.: S-03A

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	