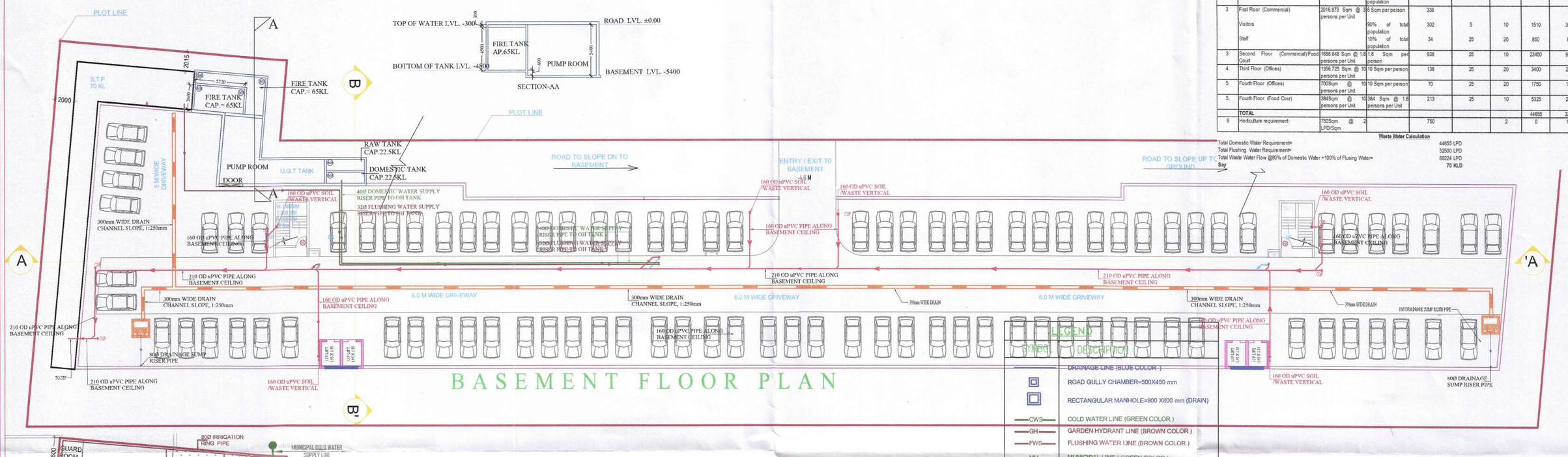

GYC-18 Water Requirement Chart

S.No.	Description	Floor Area(Sqm)	Population Factor	Total Population	Per Capita Water Demand(LPD) Domestc	Per Capita Water Demand(LPD) Flushing	Total Water Demand(LPD) Domestc	Total Water Demand(LPD) Flushing
1.	Lower Ground Floor (Commercial)	2354.819 Sqm @ 3 persons per Unit	3 Sqm per person	524				
	Visitors		90% of total population	472	5	10	2360	4720
	Staff		10% of total population	52	25	20	1300	1040
2.	Ground Floor (Commercial)	2021.993 Sqm @ 3 persons per Unit	3 Sqm per person	674				
	Visitors		90% of total population	607	5	10	3035	6070
	Staff		10% of total population	67	25	20	1675	1340
3.	First Floor (Commercial)	2016.873 Sqm @ 3 persons per Unit	6 Sqm per person	336				
	Visitors		90% of total population	302	5	10	1510	3020
	Staff		10% of total population	34	25	20	850	680
3.	Second Floor (Commercial)/Food Court	1688.648 Sqm @ 1.8 persons per Unit	1.8 Sqm per person	938	25	10	23450	9380
4.	Third Floor (Offices)	1356.725 Sqm @ 10 persons per Unit	10 Sqm per person	136	25	20	3400	2720
5.	Fourth Floor (Offices)	700Sqm @ 10 persons per Unit	10 Sqm per person	70	25	20	1750	1400
5.	Fourth Floor (Food Cour)	384Sqm @ 10 persons per Unit	384 Sqm @ 1.8 persons per Unit	213	25	10	5325	2130
	TOTAL						44655	32500
6	Horticulture requirement	750Sqm @ 2 LPD/Sqm		750		2	0	1500

Waste Water Calculation

Total Domestic Water Requirement=	44655 LPD
Total Flushing Water Requirement=	32500 LPD
Total Waste Water Flow @80% of Domestic Water +100% of Flusing Water=	68224 LPD
Say	70 KLD

LEGENDS	PROJECT	CLIENT	STRUCTURE CONSULTANT	ARCHITECT'S SIGNATURE	OWNER'S SIGNATURE
PLOT LINE BASEMENT LINE SETBACK LINE 15 % PRESCRIBED FAR NON FAR 25 % AREA COUNT IN FAR	PROPOSED COMMERCIAL COMPLEX AT PLOT NO. 18 GYC, YEIDA GR. NOIDA.(U.P.)	M/s Saviour Infa Pvt LTD. ARCHITECTS DESIGN ASSOCIATES. J-16, SECTOR-41,NIODA - 201303, Tel.:9625775674 Email: aplusdesignassociates@gmail.com	RD CONSULTANTS B-1102, Vasudha, Dosti Vihar, Vartak Nagar, Thane (west) pin:-400606. mail:- rdchconsultants@gmail.com rd_ch@hotmail.com	KAILASH AGRAWAL ARCHITECT (CA-86-10069) J-16, SECTOR-41, NOIDA	For SAVIOUR INFRA PVT. LTD. Authorised Signatory
		NORTH	☐ APPROVAL ■ SUBMISSION ☐ ADVANCE COPY ☐ CONSTRUCTION	Drawing Title: WATER SUPPLY LAYOUT	Drawing No: SD/PL/01