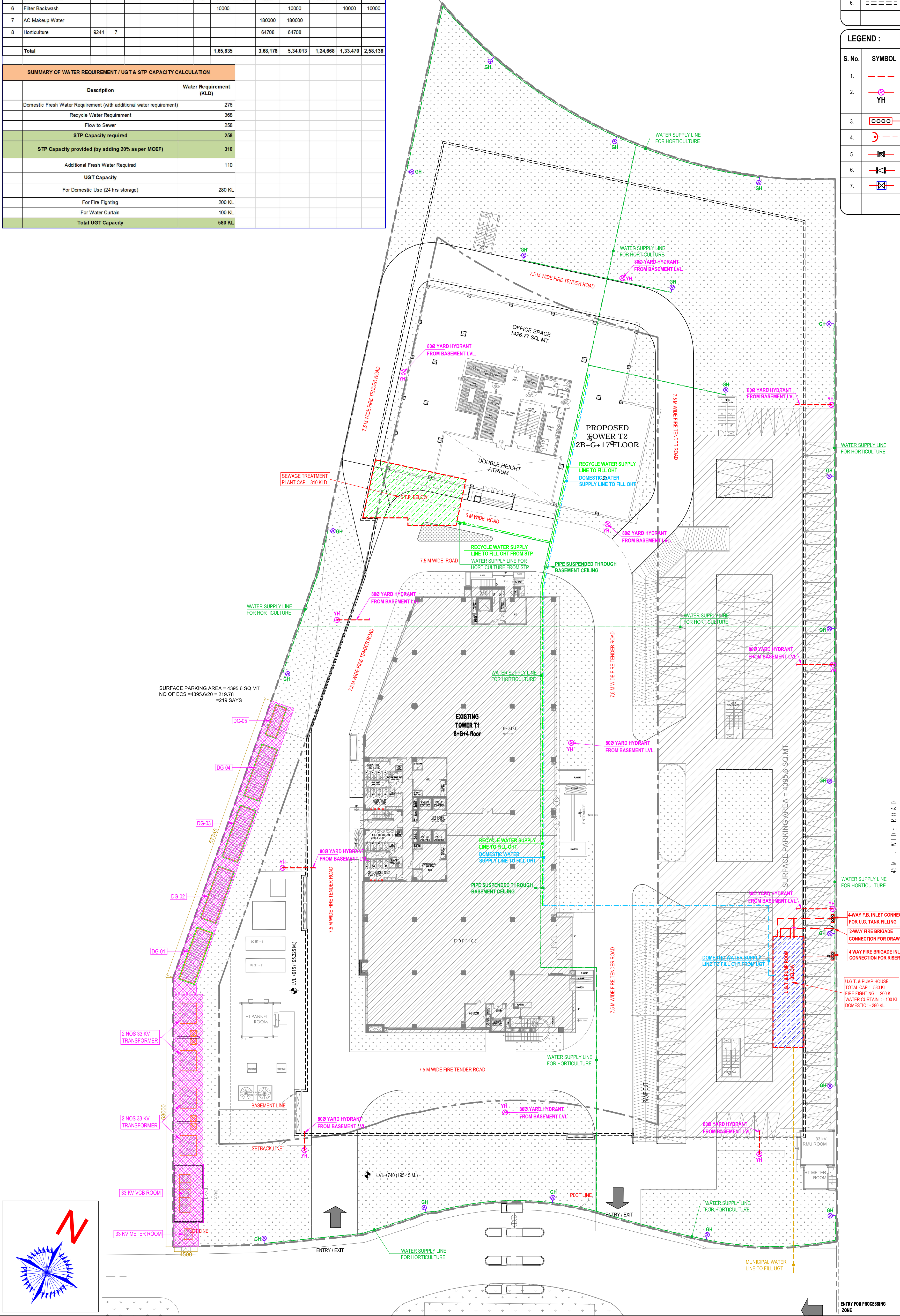


WATER REQUIREMENT CALCULATIONS														
S.No.	Description	Built up Area	Horticulture Water Requirement	No. of Units / Seats	Unit Population	Total Population	Domestic Fresh Water Requirement (A)		Recycle Water Requirement (B)		Total Water Requirement (A+B)	Flow to Sewer		
		(Sq.M)	per Sq.M Area				LPCD	LPD	LPCD	LPD	LPD	Domestic 80%	Flushing 100%	LPD
1	Office Population	46680			10 SqM/person	4670	25	116750	20	93400	210150	93400	93400	186800
2	Floating Population (Office)				10% of above	467	5	2335	10	4670	7005	1868	4670	6538
3	Office Population (night)					1170	25	29250	20	23400	52650	23400	23400	46800
4	Misc / Cafeteria (LS)							5000			5000	4000	0	4000
5	Maintenance Staff					100	25	2500	20	2000	4500	2000	2000	4000
6	Filter Backwash							10000			10000		10000	10000
7	AC Makeup Water									180000	180000			
8	Horticulture	9244	7							64708	64708			
	Total							1,65,835		3,68,178	5,34,013	1,24,668	1,33,470	2,58,138
SUMMARY OF WATER REQUIREMENT / UGT & STP CAPACITY CALCULATION														
	Description					Water Requirement (KLD)								
	Domestic Fresh Water Requirement (with additional water requirement)					276								
	Recycle Water Requirement					368								
	Flow to Sewer					258								
	STP Capacity required					258								
	STP Capacity provided (by adding 20% as per MOEF)					310								
	Additional Fresh Water Required					110								
	UGT Capacity													
	For Domestic Use (24 hrs storage)					280 KL								
	For Fire Fighting					200 KL								
	For Water Curtain					100 KL								
	Total UGT Capacity					580 KL								

LEGEND :		
S. No.	SYMBOL	DESCRIPTION
1.		MUNICIPAL WATER SUPPLY PIPE LINE
2.		RECYCLED WATER SUPPLY LINE FOR FLUSHING
3.		RECYCLED WATER SUPPLY LINE FOR HORTICULTURE
4.		DOMESTIC WATER SUPPLY LINE
5.		GARDEN HYDRANT
6.		BASEMENT RETAINING WALL

LEGEND :		
S. No.	SYMBOL	DESCRIPTION
1.		FIRE LINE
2.		YARD HYDRANT
3.		4 WAY FIRE BRIGADE INLET CONNECTION
4.		2 WAY FIRE BRIGADE DRAWOUT CONNECTION
5.		BUTTERFLY VALVE
6.		NONRETURN VALVE (CHECK VALVE)
7.		ISOLATING VALVE WITH MASONARY CHAMBER



project  
**PROPOSED IT-1A, IT-SEZ, ON  
PLOT NO. TZ-6, GREATER NOIDA**

title  
**LAYOUT PLAN**

sub-title  
**EXTERNAL WATER SUPPLY SYSTEM**

drawing released for  
☒ SUBMISSION  
☐ APPROVAL  
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☐ CONSTRUCTION

drwg. no.  
IT-1A / 23B01 / ES-03

scale  
1 : 375

date  
21.07.2023

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