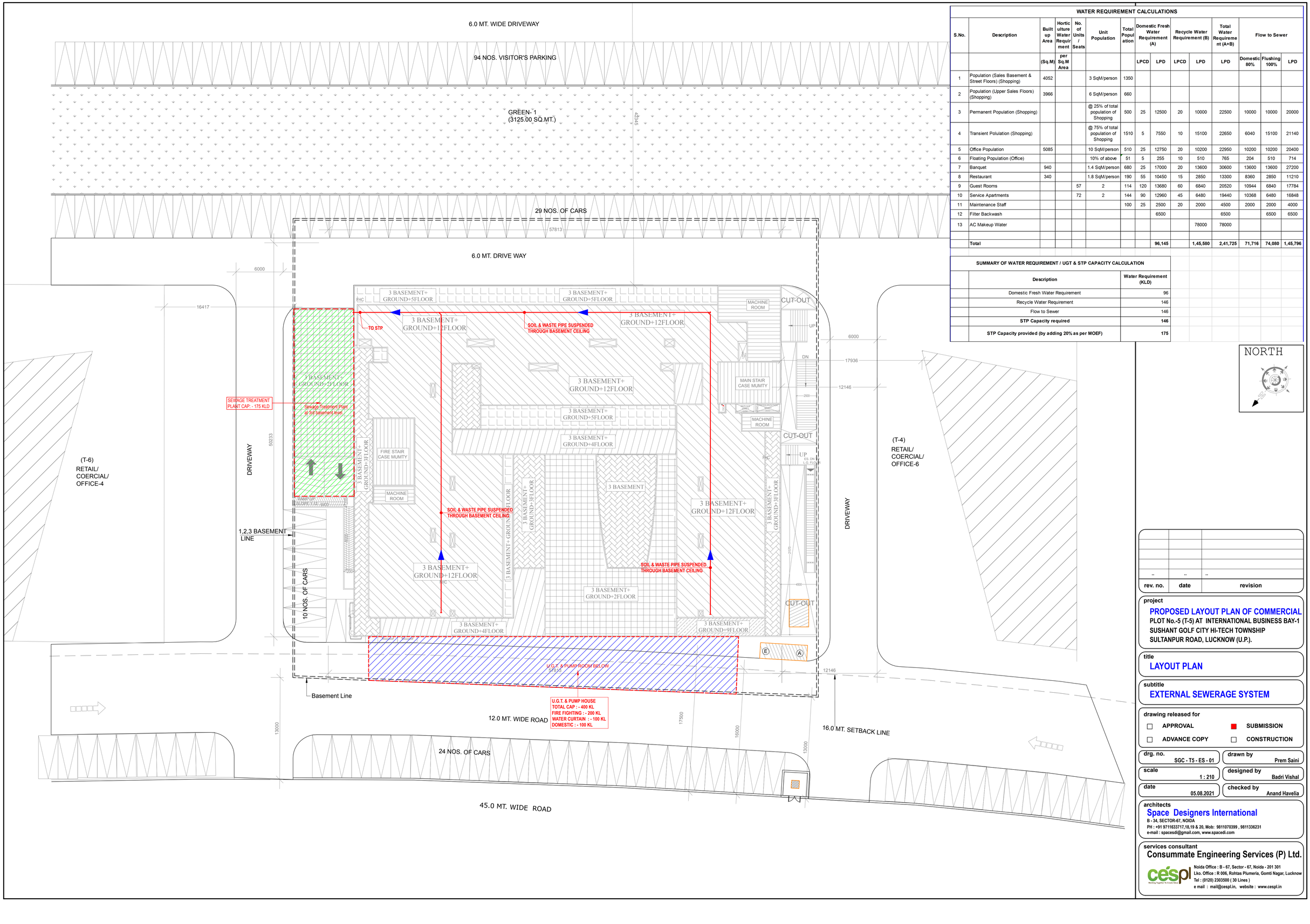

WATER REQUIREMENT CALCULATIONS

S.No.	Description	Built up Area	Horticulture Water Requirment	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	Population (Sales Basement & Street Floors) (Shopping)	4052			3 SqM/person	1350								
2	Population (Upper Sales Floors) (Shopping)	3966			6 SqM/person	660								
3	Permanent Population (Shopping)				@ 25% of total population of Shopping	500	25	12500	20	10000	22500	10000	10000	20000
4	Transient Polulation (Shopping)				@ 75% of total population of Shopping	1510	5	7550	10	15100	22650	6040	15100	21140
5	Office Population	5085			10 SqM/person	510	25	12750	20	10200	22950	10200	10200	20400
6	Floating Population (Office)				10% of above	51	5	255	10	510	765	204	510	714
7	Banquet	940			1.4 SqM/person	680	25	17000	20	13600	30600	13600	13600	27200
8	Restaurant	340			1.8 SqM/person	190	55	10450	15	2850	13300	8360	2850	11210
9	Guest Rooms			57	2	114	120	13680	60	6840	20520	10944	6840	17784
10	Service Apartments			72	2	144	90	12960	45	6480	19440	10368	6480	16848
11	Maintenance Staff					100	25	2500	20	2000	4500	2000	2000	4000
12	Filter Backwash							6500			6500		6500	6500
13	AC Makeup Water									78000	78000			
	Total							**96,145**		**1,45,580**	**2,41,725**	**71,716**	**74,080**	**1,45,796**

SUMMARY OF WATER REQUIREMENT / UGT & STP CAPACITY CALCULATION

	Description	Water Requirement (KLD)
	Domestic Fresh Water Requirement	96
	Recycle Water Requirement	146
	Flow to Sewer	146
	STP Capacity required	**146**
	STP Capacity provided (by adding 20% as per MOEF)	**175**

rev. no.	date	revision
..	..	..

project
PROPOSED LAYOUT PLAN OF COMMERCIAL
PLOT No.-5 (T-5) AT INTERNATIONAL BUSINESS BAY-1
SUSHANT GOLF CITY HI-TECH TOWNSHIP
SULTANPUR ROAD, LUCKNOW (U.P.).

title
LAYOUT PLAN

subtitle
EXTERNAL SEWERAGE SYSTEM

drawing released for
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☐ ADVANCE COPY ☐ CONSTRUCTION

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