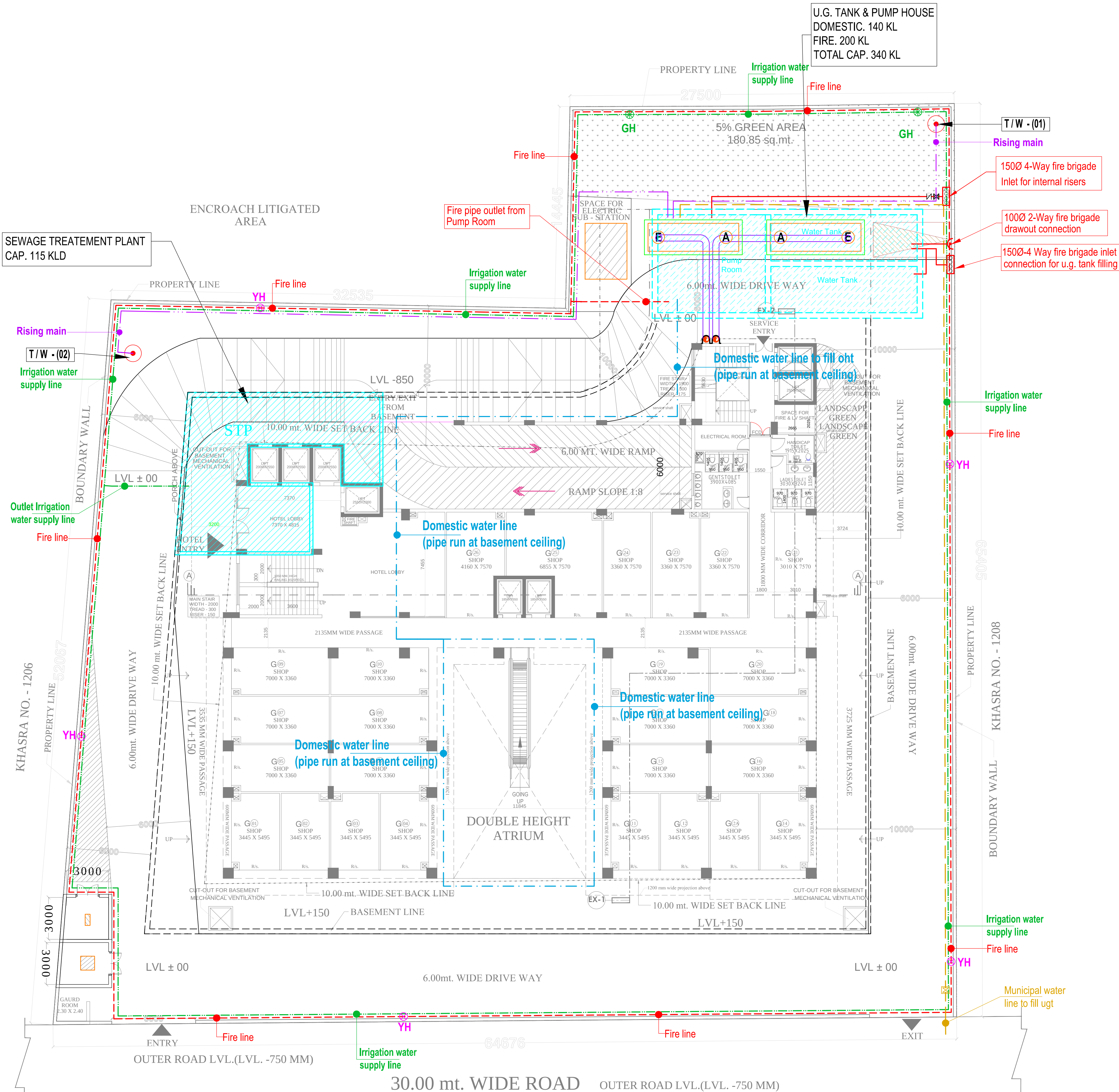
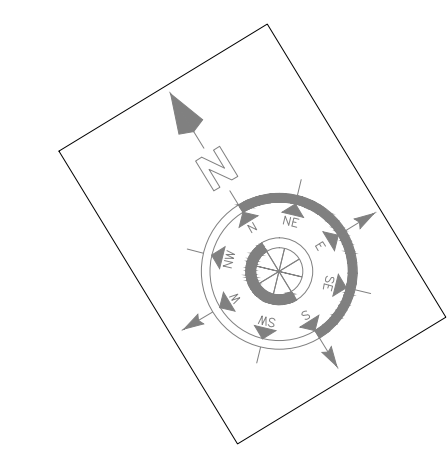




PROJECT - RIVIERA BUILDTECH COMMERCIAL AT VILLAGE NOOR NAGAR, GHAZIABAD (U.P.)												
WATER REQUIREMENT CALCULATIONS												
S.No.	Description	Built up Area (Sq.M)	Horticulture Area (Sq.M)	No. of Water Units / Seats	Unit Population	Total Population	Domestic Water Requirement	Recycle Water Requirement (B)	Total Water Requirement (A+B)	Domestic 80%	Flushing 100%	LPD
1	Population (Sales Basement & Street Floors) (Shopping)	1045			3 SqM/person	350						
2	Population (Upper Sales Floors) (Shopping)	930			6 SqM/person	160						
3	Permanent Population (Shopping)				@ 25% of total population of Shopping	130	45	5850	0	0	5850	4680
4	Transient Population (Shopping)				@ 75% of total population of Shopping	380	15	5700	0	0	5700	4560
5	Party Hall	2199			1.4 SqM/person	1580	45	71100	0	0	71100	56880
6	Restaurant	429			1.8 SqM/person	240	70	16800	0	0	16800	13440
7	Gym / Salon						15000		15000	12000	0	12000
8	Rooms			40	2	80	180	14400	0	0	14400	11520
9	Maintenance Staff					100	45	4500	0	0	4500	3600
10	Filter Backwash							6000			6000	0
11	AC Makeup Water								40000	40000		
12	Horticulture	200	4					800	800			
Total							1,40,150	40,000	1,80,150	1,06,680	-	1,12,680

SUMMARY OF WATER REQUIREMENT / UGT & STP CAPACITY CALCULATION	
Description	Water Requirement (KLD)
Domestic Fresh Water Requirement	140
Recycle Water Requirement	40
Flow to Sewer	113
STP Capacity required	113
STP Capacity rounded off	115
Net water balance (to discharge into sewerage system)	73
UGT Capacity	
For Domestic Use (24 hrs storage)	140 KL
For Fire Fighting	150 KL
For Water Curtain	50 KL
Total UGT Capacity	340 KL



LEGEND :

S. No.	SYMBOL	DESCRIPTION
1.	---	DOMESTIC WATER LINE TO FILL DOMESTIC OHT
2.	---	FLUSHING WATER LINE TO FILL FLUSHING OHT
3.	---	IRRIGATION WATER SUPPLY LINE
4.	---	MUNICIPAL WATER SUPPLY PIPE LINE
5.	GH	GARDEN HYDRANT

LEGEND : FIRE SYSTEM

S. No.	SYMBOL	DESCRIPTION
1.	---	YARD HYDRANT LINE
2.	YH	YARD HYDRANT 63 M.M. DIA. SINGLE HEADED HYDRANT VALVE WITH 2 NOS. 15 M. LONG. 63 M.M. DIA. FIRE HOSE PIPE & 1 NO. BRANCH PIPE WITH NOZZLE

Rev. No. Date Revision

Project :
SAWASDEE STREET
AT VILLAGE NOOR NAGAR GHAZIABAD (U.P.)

Title :
LAYOUT PLAN

Subtitle :
EXTERNAL WATER & FIRE SYSTEM

Drawing Released For :

☐ APPROVAL ☒ RERA SUBMISSION

☐ ADVANCE COPY ☐ CONSTRUCTION

Drg. No. : Riviera / Rera / ES -04

Scale : 1:150 Drawn By : Amit Kamboj

Date : February 2021 Design By : Devesh Agarwal

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