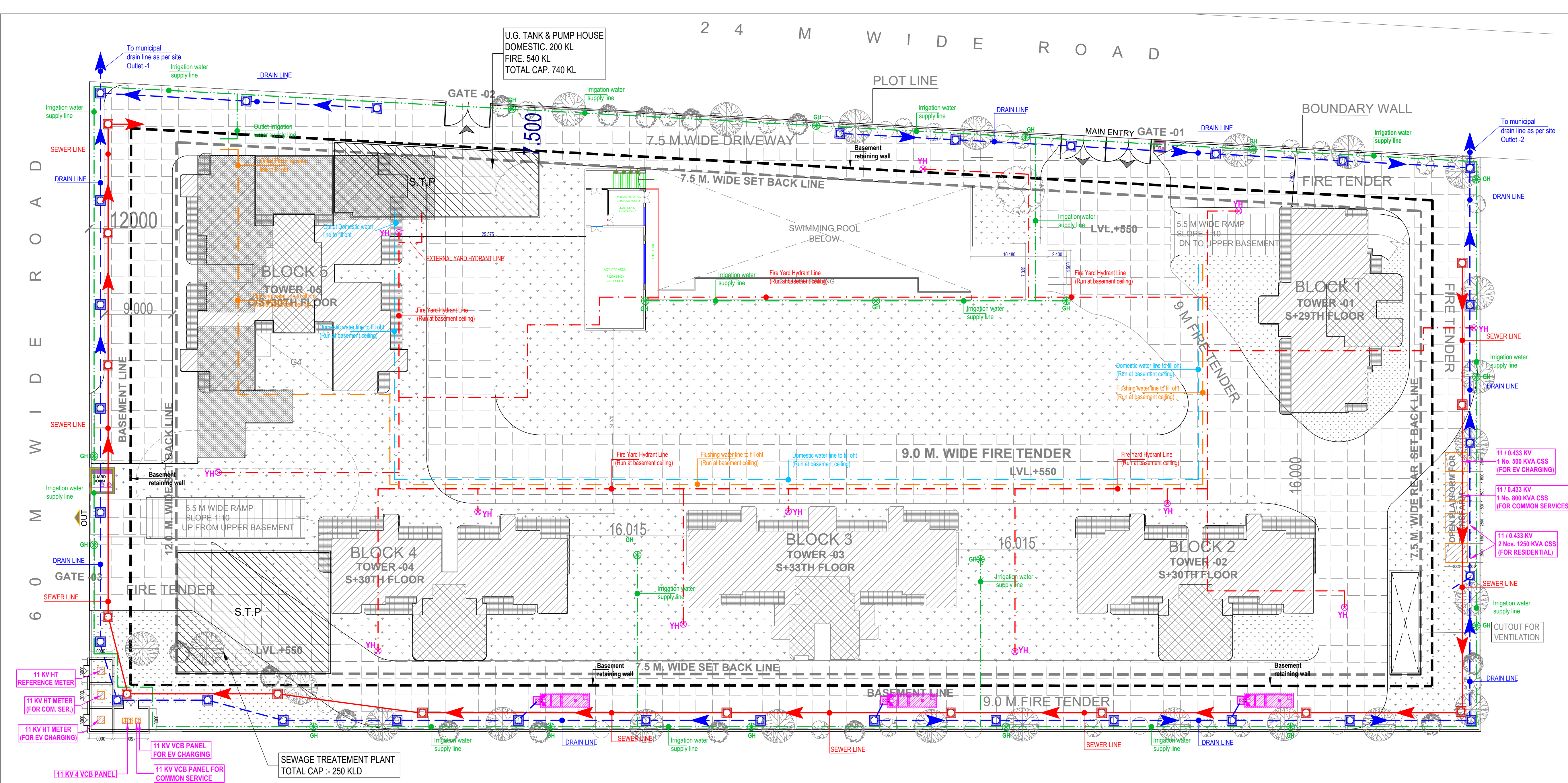
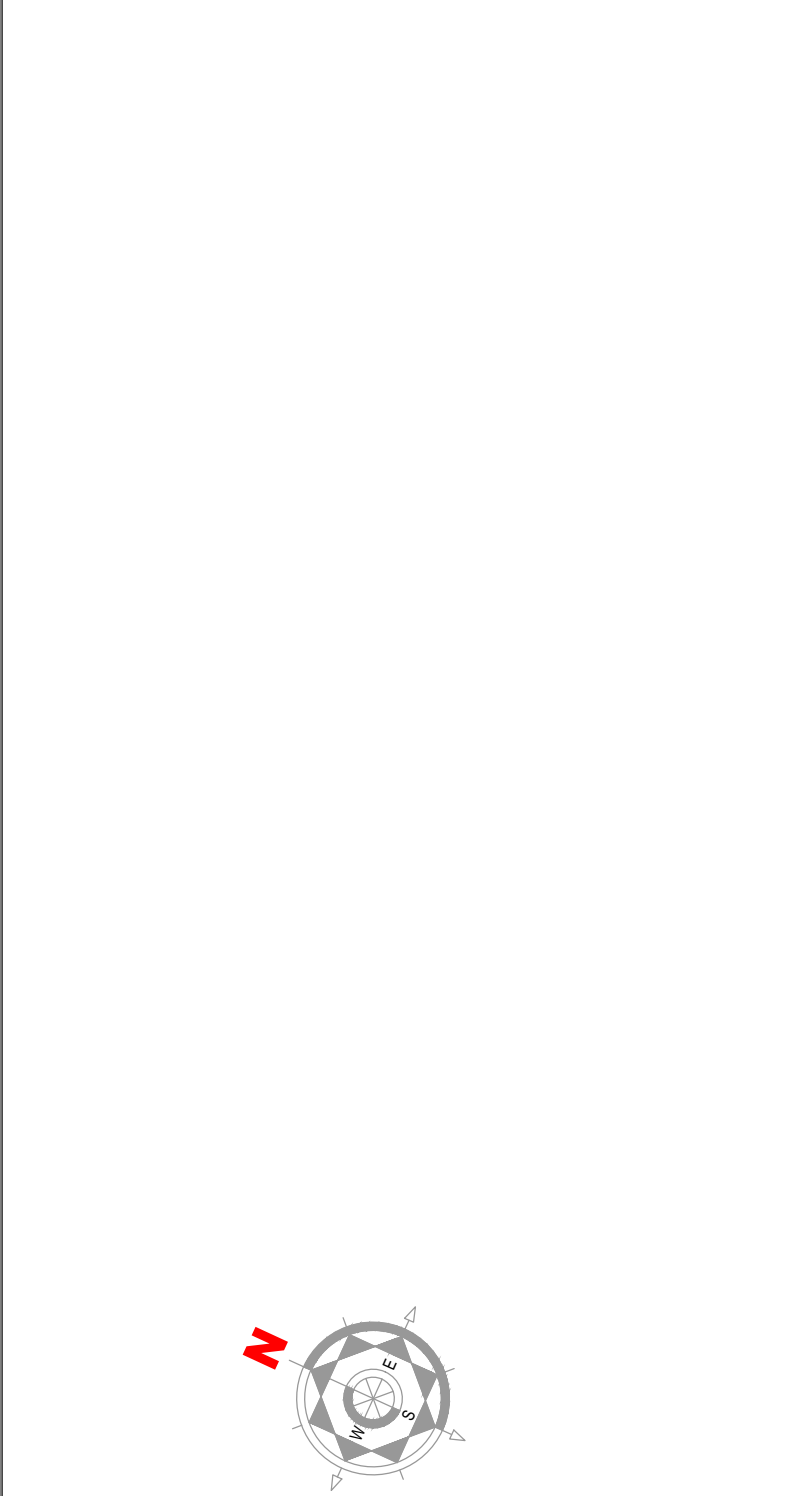




LEGEND :		
S. No.	SYMBOL	DESCRIPTION
1.	M.H.	MANHOLE
2.		SEWER LINE
3.	C.P.	CATCH PIT
4.		UNDER GROUND DRAIN
5.		DOMESTIC WATER LINE TO FILL DOMESTIC OHT
6.		FLUSHING WATER LINE TO FILL FLUSHING OHT
7.		IRRIGATION WATER SUPPLY LINE
8.		MUNICIPAL WATER SUPPLY PIPE LINE.
9.	GH	GARDEN HYDRANT
10.		

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



PROJECT - PROPOSED HOUSING "CRC MAESTA" AT PLOT NO. GH-11B, SECTOR - 1, GREATER NOIDA (WEST)														
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 90%	Flushing 100%	LPD
1	Tower-01 (3BHK)			120	4.5	540	90	48800	45	24300	72900	43740	24300	68040
2	Tower-02 (3BHK)			58	4.5	261	90	23490	45	11745	35235	21141	11745	32886
3	Tower-03 (4BHK)			64	4.5	288	90	25920	45	12960	38880	23328	12960	36288
4	Tower-04 (3BHK)			58	4.5	261	90	23490	45	11745	35235	21141	11745	32886
5	Tower-05 (3BHK)			58	4.5	261	90	23490	45	11745	35235	21141	11745	32886
6	Floating Population					180	5	800	10	1600	2400	720	1600	2320
7	Maintenance Staff / Drivers					80	25	2000	20	1600	3600	1800	1600	3400
8	Club (LS)							25000	0	0	25000	22500	0	22500
9	Commercial (LS)							10000	0	0	10000	9000	0	9000
10	Filter Backwash							8000		8000		8000	8000	8000
11	Makeup Water for Swimming Pool							10000			10000			
12	Horticulture	6928	6							41568	41568			
	Total							2,00,790		1,17,263	3,18,053	1,64,511	83,695	2,48,206

SUMMARY OF WATER REQUIREMENT / UGT CAPACITY CALCULATION	
Description	Water Requirement (KLD)
Domestic Fresh Water Requirement	201
Recycle Water Requirement	117
Flow to Sewer	248
STP Capacity required	250
Net water balance (to discharge into sewerage system)	131
UGT Capacity	
For Domestic Use (01 day Storage)	200 KL
For Fire Fighting	400 KL
For Water Curtain	140 KL
Total UGT Capacity	740 KL

Rev. No.	Date	Revision		
..	..	..		
Project : PLOT NO-GH-11B SECTOR-1 GREATER NOIDA WEST CRC MAESTA				
Title : LAYOUT PLAN				
Subtitle : WATER SUPPLY PLAN				
Drawing Released For : ☐ APPROVAL ☒ RERA SUBMISSION ☐ ADVANCE COPY ☐ CONSTRUCTION				
Drg. No : CRC MAESTA / ES -01				
Scale : 1 : 300	Drawn By : Amit Kamboj			
Date : May 2024	Design By : Sanjay Goel			
Ckd By : Anand Havelia				
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Services Consultant : Consummate Engineering Services (P) Ltd. Noida Office : B - 67, Sector - 67, Noida - 201 301 Tel : (0120) 2303500 (24 Lines) Lko. Office : R 006, Rohas Plumeria, Gomti Nagar, Lucknow e mail : mail@cespl.in, website : www.cespl.in				