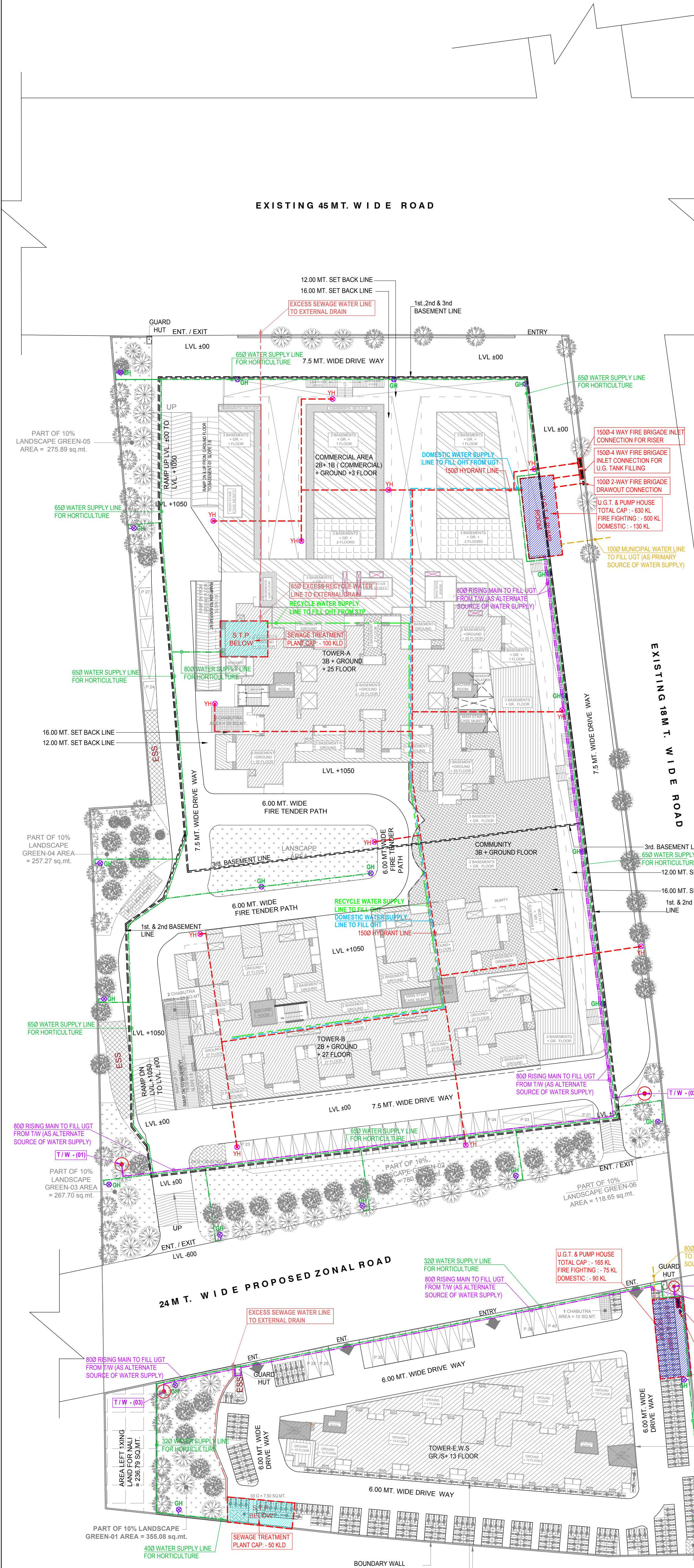




SUMMARY OF WATER REQUIREMENT / UGT & STP CAPACITY CALCULATION		
S.No.	Description	Water Requirement (KLD)
1	Domestic Fresh Water Requirement	165
2	Recycle Water Requirement	77
3	Flow to Sewer	216
	STP Capacity required	77
	STP Capacity provided (by adding 20% as per MOEF)	92
	STP Capacity rounded off	100
4	Net water balance (to discharge into drainage system)	139
	UGT Capacity	
	For Domestic Use (16 hrs storage)	130 KL
	For Fire Fighting (as per NBC)	400 KL
	For Water Curtain (as per NBC)	100 KL
	Total UGT Capacity	630 KL

SUMMARY OF WATER REQUIREMENT / UGT & STP CAPACITY CALCULATION		
S.No.	Description	Water Requirement (KLD)
1	Domestic Fresh Water Requirement	127
2	Recycle Water Requirement	42
3	Flow to Sewer	139
	STP Capacity required	42
	STP Capacity provided (by adding 20% as per MOEF)	50
	STP Capacity rounded off	50
4	Net sewage balance (to discharge into CSTP through municipal sewerage system)	97
	UGT Capacity	
	For Domestic Use (16 hrs storage)	90 KL
	For Fire Fighting (as per NBC)	75 KL
	Total UGT Capacity	165 KL

LEGEND :		
S. No.	SYMBOL	DESCRIPTION
1.		FIRE LINE
2.		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
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 MASONRY CHAMBER