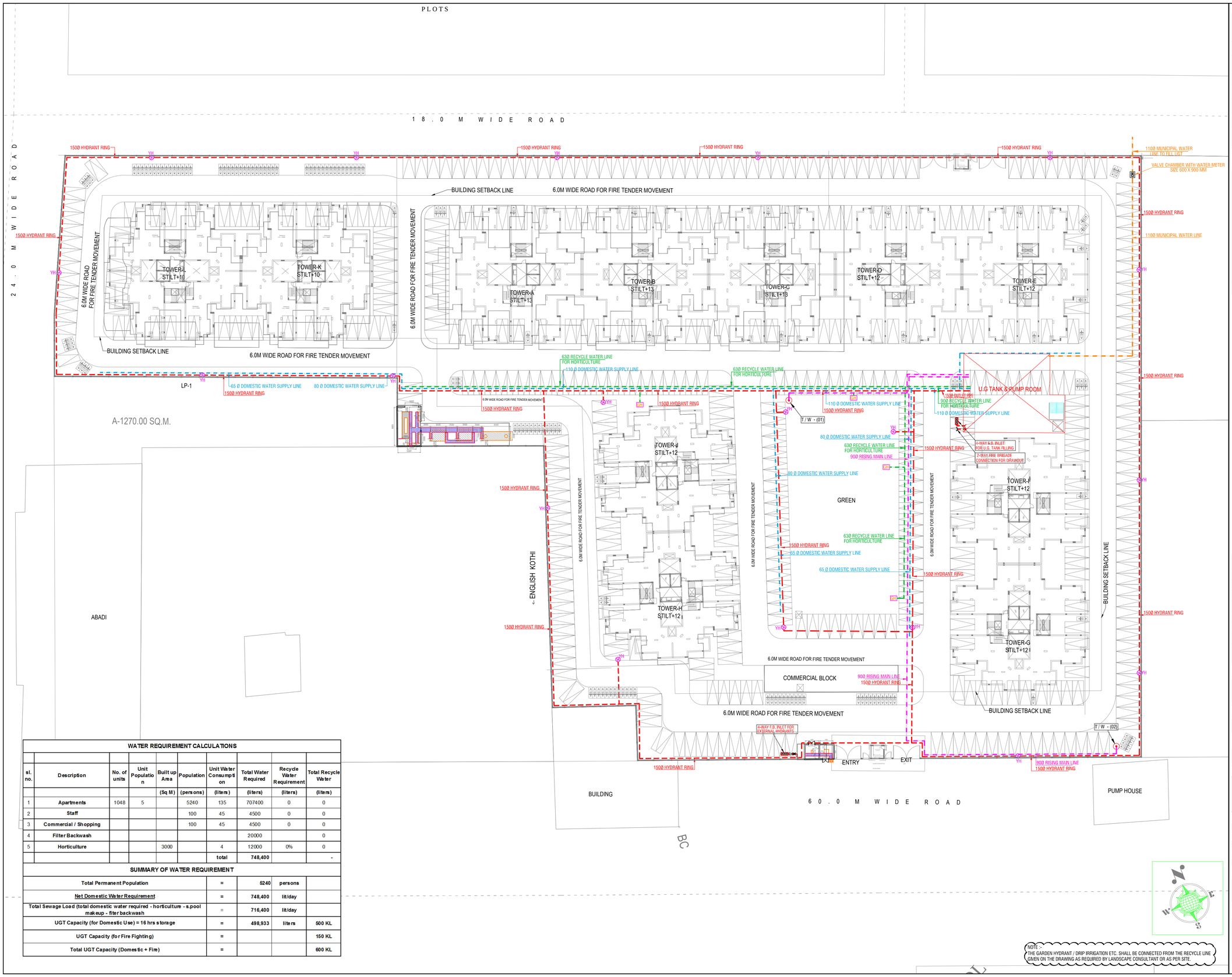

NOTE :-
THE GARDEN HYDRANT / DRIP IRRIGATION ETC. SHALL BE CONNECTED FROM THE RECYCLE LINE GIVEN ON THE DRAWING AS REQUIRED BY LANDSCAPE CONSULTANT OR AS PER SITE.

WATER REQUIREMENT CALCULATIONS

sl. no.	Description	No. of units	Unit Population	Built up Area	Population	Unit Water Consumption	Total Water Required	Recycle Water Requirement	Total Recycle Water
				(Sq M)	(persons)	(liters)	(liters)	(liters)	(liters)
1	Apartments	1048	5		5240	135	707400	0	0
2	Staff				100	45	4500	0	0
3	Commercial / Shopping				100	45	4500	0	0
4	Filter Backwash						20000		0
5	Horticulture			3000		4	12000	0%	0
						total	748,400		-

SUMMARY OF WATER REQUIREMENT

Total Permanent Population	=	5240 persons	
Net Domestic Water Requirement	=	748,400 lit/day	
Total Sewage Load (total domestic water required - horticulture - s.pool makeup - fiter backwash	=	716,400 lit/day	
UGT Capacity (for Domestic Use) = 16 hrs storage	=	498,933 liters	500 KL
UGT Capacity (for Fire Fighting)	=		150 KL
Total UGT Capacity (Domestic + Fire)	=		600 KL

LEGEND :

S. No.	SYMBOL	DESCRIPTION
1.		DOMESTIC WATER SUPPLY PIPE LINE.
2.		RISING MAIN WATER PIPE LINE.
3.		MUNICIPAL WATER SUPPLY PIPE LINE.
4.		RECYCLED WATER SUPPLY PIPE LINE.
5.		ISOLATING VALVE
6.		PROPOSED TUBE WELL
7.	GH	GARDEN HYDRANT

LEGEND : FIRE SYSTEM

S. No.	SYMBOL	DESCRIPTION
1.		FIRE 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
3.		FIRE BRIGADE CONNECTION
4.		BUTTERFLY VALVE
5.		NONRETURN VALVE (CHECK VALVE)
6.		ISOLATING VALVE WITH MASONARY CHAMBER

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

project
PROPOSED AFFORDABLE GROUP HOUSING AT GHAZIABAD

title
SITE PLAN

subtitle
EXTERNAL WATER SUPPLY SYSTEM

drawing released for
☐ APPROVAL ■ SUBMISSION
☐ ADVANCE COPY ☐ CONSTRUCTION

drg. no. G D A / EX / S-03
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