

S.No.	SYMBOL	DESCRIPTION
1.		RECYCLED WATER SUPPLY LINE FOR HORTICULTURE
2.		RECYCLED WATER SUPPLY LINE FOR FLUSHING
3.		RECYCLED WATER SUPPLY LINE
4.		GARDEN HYDRANT
5.		FIRE HYDRANT
6.		BASEMENT RETAINING WALL

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1.		FIRE LINE
2.		FIRE HYDRANT
3.		FIRE HYDRANT
4.		FIRE HYDRANT
5.		FIRE HYDRANT
6.		FIRE HYDRANT
7.		FIRE HYDRANT
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rev. no.	date	revision

PROJECT
 PROPOSED GROUP HOUSING FOR
 "Phalades" AT PLOT NO. - GH-4B, SECTOR-01,
 GREATER NODA, (U.P.)

DATE
 LAYOUT PLAN

EXTERNAL WATER SUPPLY SYSTEM

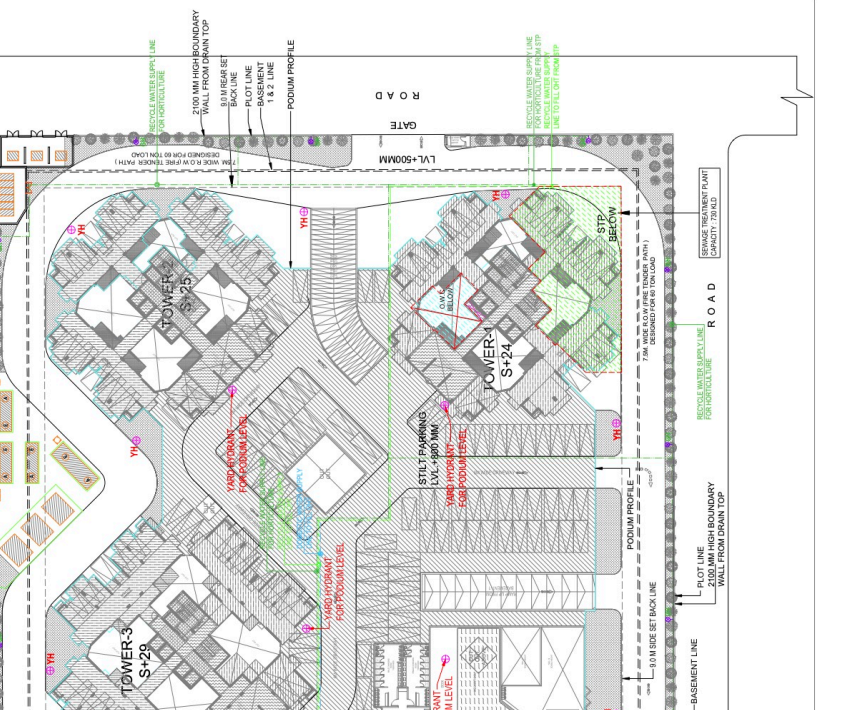
drawing released for
 APPROVAL ADVANCE COPY SUBMISSION CONSTRUCTION

drawn by
 designed by
 checked by
 date

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WATER REQUIREMENT CALCULATIONS (MUNICIPAL SUBMISSION)											
S.No.	Description	Hectic Build up Area (sq.m)	No. of Water Units/ Seats	Unit Population	Total Population Water Requirement (lit per day)	Domestic Fresh Water Requirement (A)	LPD	LPD	LPD	Flow to Sewer	
1.	Apartments (3 BHK)	868	4.5	3810	3810	3810	171720	519160	309096	171720	480816
2.	Apartments (4 BHK)	308	4.5	1386	1386	1386	63720	191110	112266	63720	174636
3.	Flouring Population	530	5	2650	2650	2650	122250	384750	22885	122250	336105
4.	Maintenance Staff/ Drivers	270	25	6750	6750	6750	303750	952500	5675	303750	841500
5.	Club (L.S.)	10000	0	0	0	0	0	0	0	0	0
6.	Commercial (L.S.)	20000	0	0	0	0	0	0	0	0	0
7.	Filter Backwash	20000	0	0	0	0	0	0	0	0	0
8.	Makeup Water for Swimming Pool	20000	0	0	0	0	0	0	0	0	0
9.	Horticulture	11873	4	47492	47492	47492	217620	674920	41862	217620	596412
TOTAL							5,42,530	2,32,282	4,58,832	2,32,282	7,26,412



SUMMARY OF WATER REQUIREMENT / LOT & STP CAPACITY CALCULATION	
Description	Water Requirement (KLD)
Domestic Fresh Water Requirement	543
Recycled Water Requirement	292
Flow to Sewer	727
STP Capacity required	750
Net water balance (to discharge into external municipal system)	434
LOT CAPACITY	
For Domestic Use (10 hrs storage)	360 KL
For Fire Fighting	400 KL
For Water Cutoff	170 KL
Total LOT Capacity	930 KL

