

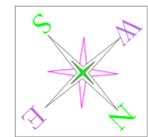
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LEGEND :

S. No.	SYMBOL	DESCRIPTION
1.	M.H.	MANHOLE
2.	[Symbol]	SEWER LINE
3.	[Symbol]	BALANCE TREATED WATER LINE TO MUNICIPAL DRAIN LINE
4.	C.P.	CATCH PIT
5.	[Symbol]	UNDER GROUND DRAIN
6.	[Symbol]	RAIN WATER HARVESTING
7.	[Symbol]	RECYCLED WATER SUPPLY PIPE LINE
8.	[Symbol]	RISING MAIN WATER PIPE LINE
9.	[Symbol]	MUNICIPAL WATER SUPPLY PIPE LINE
10.	[Symbol]	ISOLATING VALVE
11.	[Symbol]	PROPOSED TUBE WELL
12.	[Symbol]	BASEMENT LINE
13.	[Symbol]	GARDEN HYDRANT

LEGEND : FIRE SYSTEM

S. No.	SYMBOL	DESCRIPTION
1.	[Symbol]	FIRE LINE
2.	[Symbol]	YARD HYDRANT 63 M.M. DIA. SINGLE HEADED HYDRANT VALVE WITH 2 NOS. 18 M. LONG 63 M.M. DIA. FIRE HOSE PIPE & 1 NO. BRANCH PIPE WITH NOZZLE
3.	[Symbol]	FIRE BRIGADE CONNECTION
4.	[Symbol]	BUTTERFLY VALVE
5.	[Symbol]	NONRETURN VALVE (CHECK VALVE)
6.	[Symbol]	ISOLATING VALVE WITH MASONRY CHAMBER



project
PROPOSED SUBMISSION DRAWINGS FOR PROPOSED GROUP HOUSING AT PLOT No.- GH-04A, SECTOR-12, GREATER NOIDA WEST (U.P) FOR M/s LOTUS SRS BUILTECH PVT. LTD.

title
SITE PLAN

subtitle
EXTERNAL COMBINED SERVICES

drawing released for
 APPROVAL AUTHORITY SUBMISSION
 ADVANCE COPY CONSTRUCTION

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PROPOSED GROUP HOUSING AT PLOT No.- GH-04A, SECTOR-12, G. NOIDA WEST (U.P)

WATER REQUIREMENT CALCULATIONS (MUNICIPAL SUBMISSION)

S.No.	Description	Units/No. of Units	Water Req. (L/Day/Unit)	Total Water Requirement (L/Day)	Domestic Fresh Water Requirement (L/Day)	Recycle Water Requirement (L/Day)	Total Water Requirement (L/Day)	Flow to Sewer (L/Day)
1	Apartments	700	4.5	3150	3150	0	3150	3150
2	Flushing Population	300	5	1500	1500	0	1500	1500
3	Maintenance Staff/ Drivers	100	25	2500	2500	0	2500	2500
4	Club & S.B.	10000	0	0	0	0	0	0
5	Commercial S.B.	10000	0	0	0	0	0	0
6	Plant Room/Shop	10000	0	0	0	0	0	0
7	Municipal Water for Desalinating Pool	10000	0	0	0	0	0	0
8	Hotels/Club	10000	4	40000	40000	0	40000	40000
Total				3,72,000	2,81,100	0	2,81,100	2,81,100

SUMMARY OF WATER REQUIREMENT / UGT & STP CAPACITY CALCULATION

Description	Water Requirement (KLD)
Domestic Fresh Water Requirement	372
Recycle Water Requirement	225
Flow to Sewer	458
STP Capacity required	460
Net water balance (to discharge into external municipal system)	233
UGT Capacity	
For Domestic Use (1 day storage)	370 KL
For Fire Fighting	400 KL
For Water Curtain	170 KL
Total UGT Capacity	940 KL