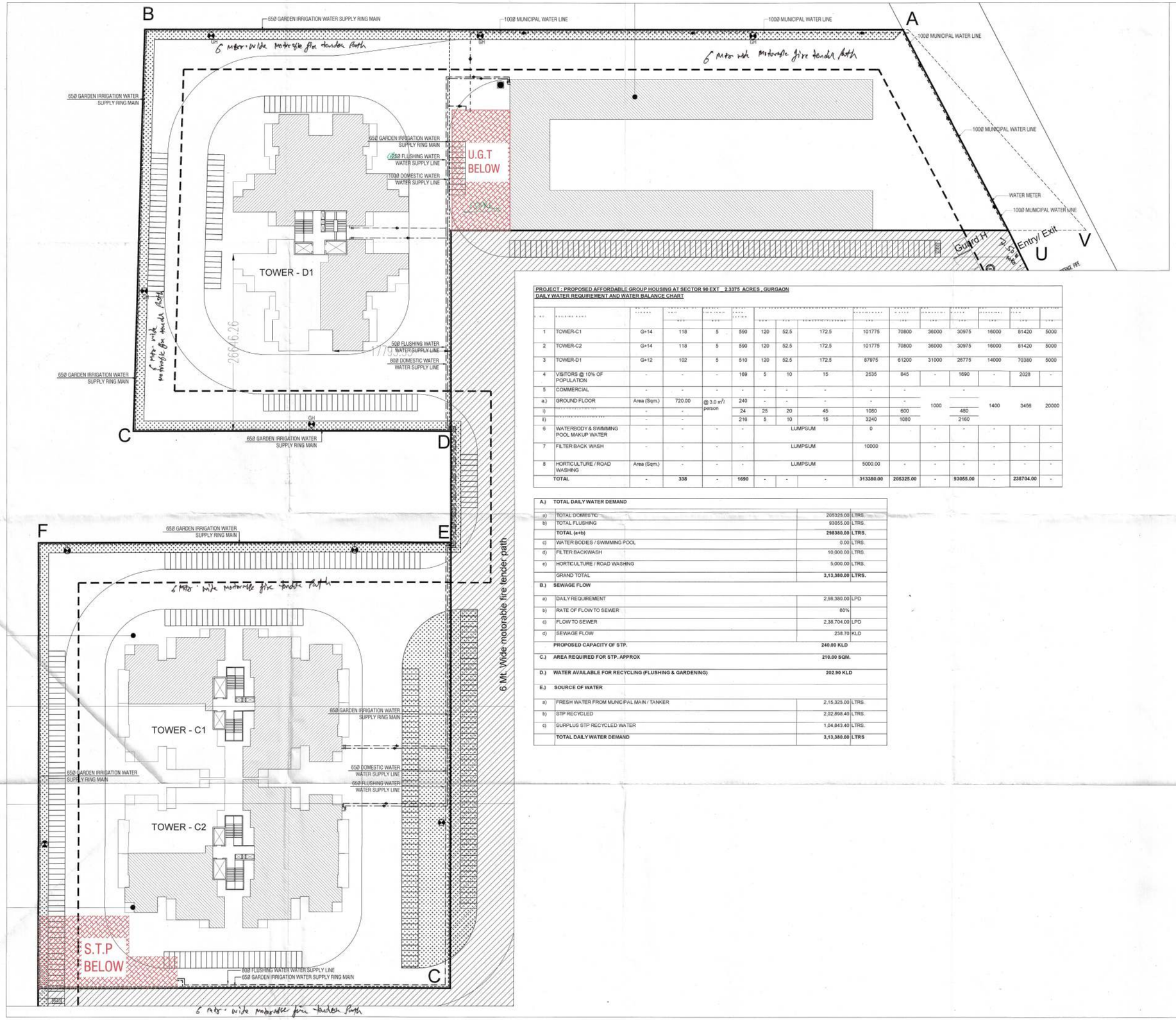

PROJECT : PROPOSED AFFORDABLE GROUP HOUSING AT SECTOR 90 EXT 2.3375 ACRES , GURGAON
DAILY WATER REQUIREMENT AND WATER BALANCE CHART

S. NO.	BUILDING NAME	NO. OF UNITS	NO. OF PERSONS	NO. OF FLOORS	NO. OF PERSONS PER FLOOR	DOMESTIC WATER DEMAND				FLUSHING WATER DEMAND						
1	TOWER-C1	G+14	118	5	590	120	52.5	172.5	101775	70800	36000	30975	16000	81420	5000
2	TOWER-C2	G+14	118	5	590	120	52.5	172.5	101775	70800	36000	30975	16000	81420	5000
3	TOWER-D1	G+12	102	5	510	120	52.5	172.5	87975	61200	31000	26775	14000	70380	5000
4	VISITORS @ 10% OF POPULATION	-	-	-	169	5	10	15	2535	845	-	1690	-	2028	-
5	COMMERCIAL	-	-	-	-	-	-	-	-	-	1000	-	1400	3456	20000
a.)	GROUND FLOOR	Area (Sqm.)	720.00	@ 3.0 m³/ person	240	-	-	-	-	-		-			
i)		-	-		24	25	20	45	1080	600		480			
ii)		-	-		216	5	10	15	3240	1080		2160			
6	WATERBODY & SWIMMING POOL MAKUP WATER	-	-	-	-	LUMPSUM			0		-	-	-	-	-
7	FILTER BACK WASH	-	-	-	-	LUMPSUM			10000		-	-	-	-	-
8	HORTICULTURE / ROAD WASHING	Area (Sqm.)	-	-	-	LUMPSUM			5000.00	-	-	-	-	-	-
	TOTAL	-	**338**	-	**1690**	-	-	-	**313380.00**	**205325.00**	-	**93055.00**	-	**238704.00**	-

A.)	**TOTAL DAILY WATER DEMAND**		
a)	TOTAL DOMESTIC	205325.00	LTRS.
b)	TOTAL FLUSHING	93055.00	LTRS.
	TOTAL (a+b)	**298380.00**	**LTRS.**
c)	WATER BODIES / SWIMMING POOL	0.00	LTRS.
d)	FILTER BACKWASH	10,000.00	LTRS.
e)	HORTICULTURE / ROAD WASHING	5,000.00	LTRS.
	GRAND TOTAL	**3,13,380.00**	**LTRS.**
B.)	**SEWAGE FLOW**		
a)	DAILY REQUIREMENT	2,98,380.00	LPD
b)	RATE OF FLOW TO SEWER	80%	
c)	FLOW TO SEWER	2,38,704.00	LPD
d)	SEWAGE FLOW	238.70	KLD
	PROPOSED CAPACITY OF STP.	**240.00 KLD**	
C.)	**AREA REQUIRED FOR STP. APPROX**	**210.00 SQM.**	
D.)	**WATER AVAILABLE FOR RECYCLING (FLUSHING & GARDENING)**	**202.90 KLD**	
E.)	**SOURCE OF WATER**		
a)	FRESH WATER FROM MUNICIPAL MAIN / TANKER	2,15,325.00	LTRS.
b)	STP RECYCLED	2,02,898.40	LTRS.
c)	SURPLUS STP RECYCLED WATER	1,04,843.40	LTRS.
	TOTAL DAILY WATER DEMAND	**3,13,380.00**	**LTRS**

ARCHITECT (H.Q.) S.T.P. B.P.C. | Member Secretary B.P.C. | Member B.P.C. | Chairman B.P.C.

PA | ATP | DDT (HQ) Member BPAC

PLUMBING & FIRE SERVICES LEGEND :	
	SEWER MANHOLE WITH 560Ø S.F.R.C. MANHOLE COVER.
	STORM WATER MANHOLE WITH 560Ø S.F.R.C. PERFORATED MANHOLE COVER.
	CATCH BASIN (600 x 600) MM WITH PERFORATED MANHOLE COVER
	STORM WATER MANHOLE (800 x 800) MM WITH PERFORATED MANHOLE COVER.
	SEWER MANHOLE (900 x 800) MM
	GULLY TRAP (300 x 300) MM
	EXTERNAL SW SEWER LINE (DIA AS / DESIGN CHART)
	EXTERNAL RCC STORM WATER LINE (DIA AS / DESIGN CHART)
	MUNICIPAL WATER SUPPLY LINE
	DOMESTIC WATER SUPPLY LINE
	FLUSHING WATER SUPPLY LINE
	GARDEN IRRIGATION WATER SUPPLY LINE
	FIRE WET RISER RING MAIN PIPE FOR FHC & EFH
	SPRINKLER FIRE LINE
EFH	EXTERNAL FIRE HYDRANT
GH	GARDEN HYDRANT WITH CHAMBER (300x300) MM
R.P.	RECHARGE PIT, 3000 MM DIA
D.C.	DESILTING CHAMBER (1000 x 2000)MM

Checked as per site layout plan submitted by the owner in compliance to DTP (HQ) forwarding letter No. ACE(HQ) ... Dt. 19/8/21
Additional Chief Engineer (HQ)

DINESH KUMAR SD (HQ)

Approved subject to the rights of the general public
Director, Town and Country Planning, Haryana, Chandigarh

SUBMISSION DRAWING

PROJECT TITLE

PROPOSED AFFORDABLE GROUP HOUSING COLONY FOR AN ADDITIONAL AREA MEASURING 2.3375 ACRES IN THE AFFORDABLE GROUP HOUSING COLONY MEASURING 5.0 ACRES (LICENCE NO.30 OF 2019 DATED 28.02.2019), THEREBY MAKING THE TOTAL SITE AREA 7.3375 ACRES IN SECTOR-90, GURUGRAM BEING DEVELOPED BY MRG WORLD LLP IN COLLABORATION WITH B D INFRADEVELOPERS PVT LTD.

OWNER's SIGNATURE

For B D INFRADEVELOPERS LLP
Authorised Signatory

ARCHITECT's SIGNATURE

AVANIKA VASHISTH
CA/2018/91670

DRAWING TITLE

SITE PLAN WATER SUPPLY LAYOUT

NORTH

ARCHITECTS

DATE	MAY 2019	DWG. NO.
SCALE	NTS	PL - 103
DEALT	SG	
CHECKED	MA	