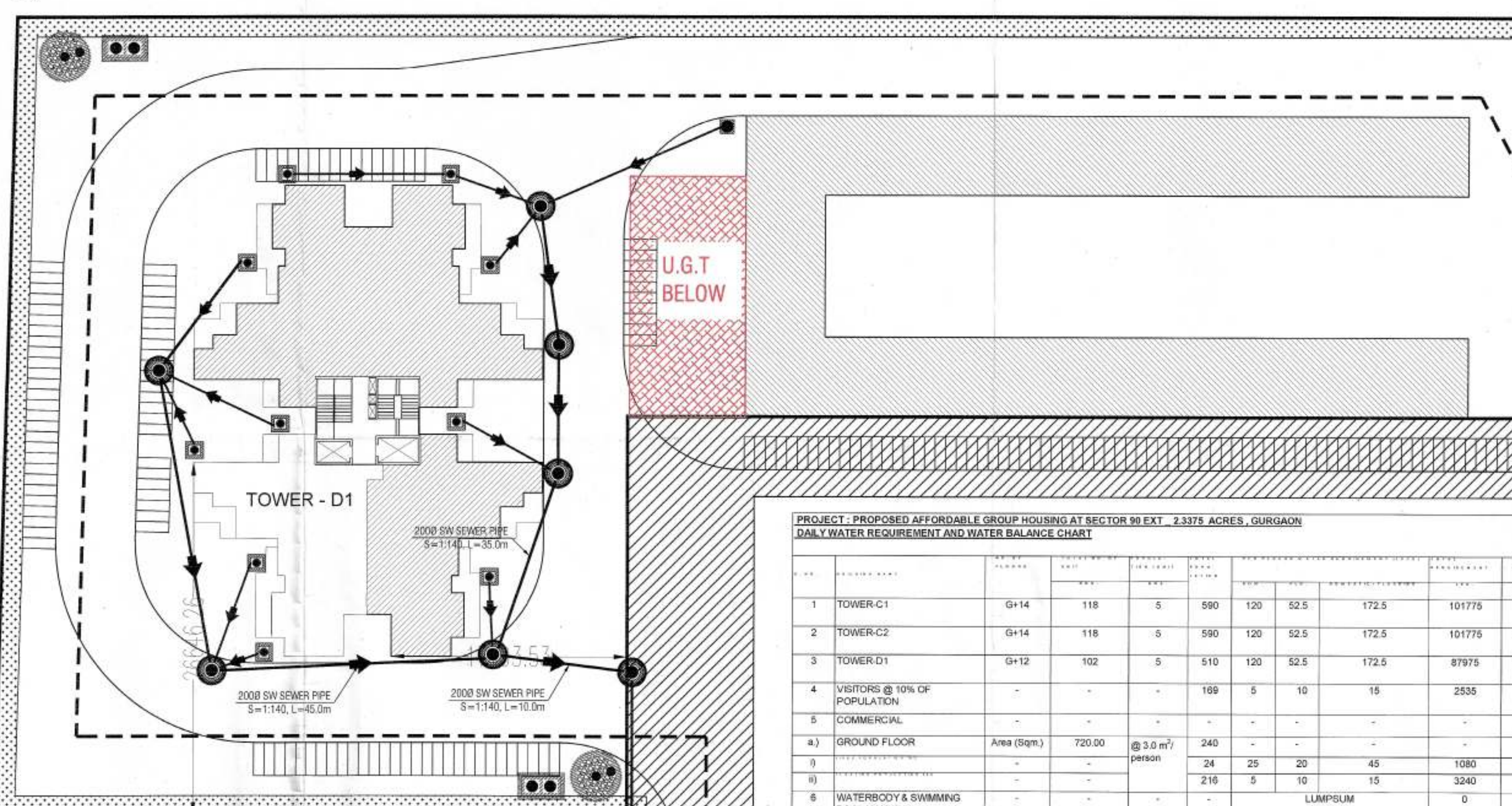


B

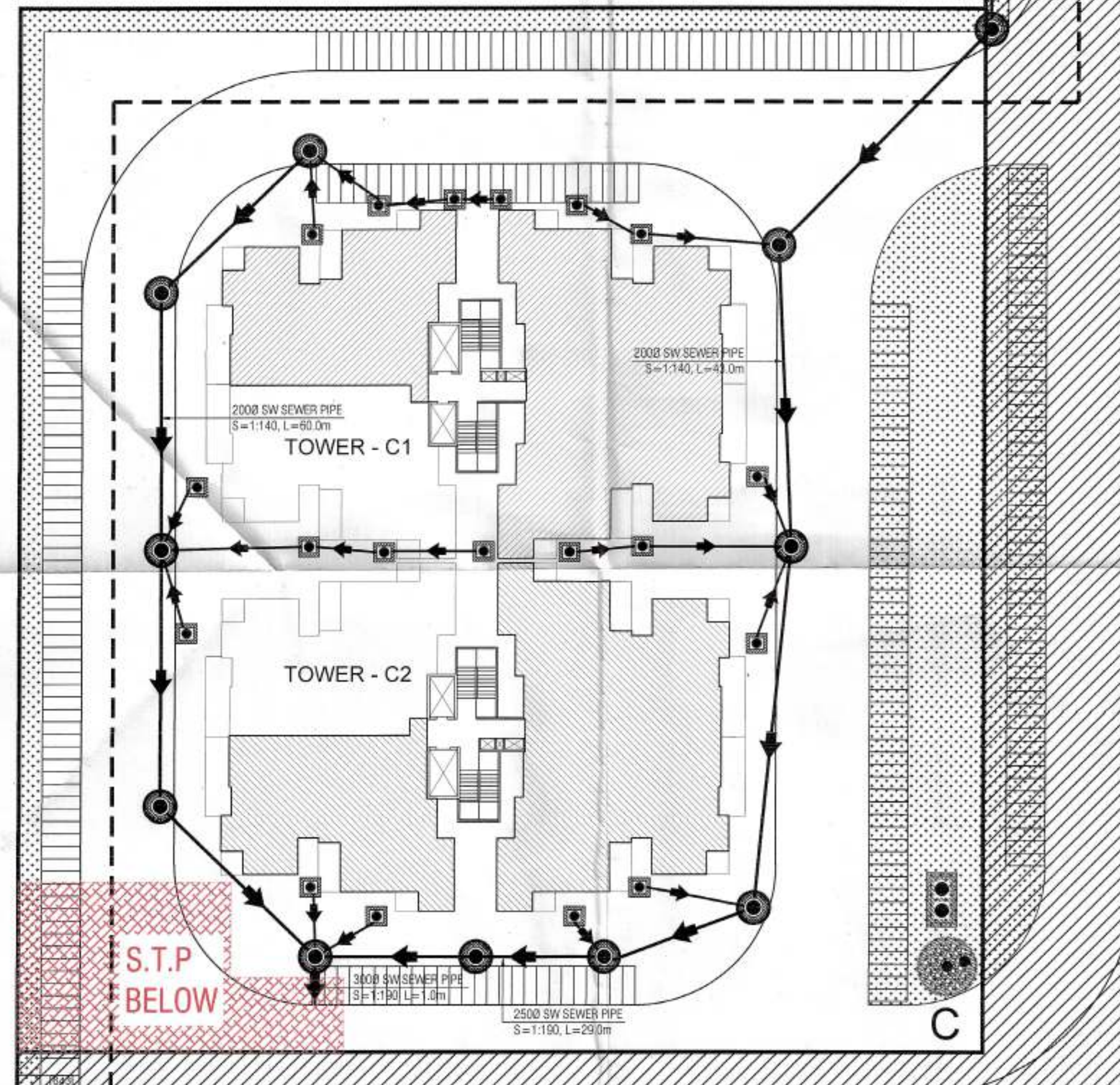


C

2000 SW SEWER PIPE
S=1:140, L=49.0m

D

F



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

Sl. No.	Particulars	Area (Sqm.)	No. of Persons	Water Requirement (Ltrs./Day)	Water Demand (Ltrs./Day)	Water Demand (KLD)	Water Demand (MGD)
1	TOWER-C1	G+14	118	5	590	120	52.5
2	TOWER-C2	G+14	118	5	590	120	52.5
3	TOWER-D1	G+12	102	5	510	120	52.5
4	VISITORS @ 10% OF POPULATION	-	-	-	169	5	10
5	COMMERCIAL	-	-	-	-	-	-
6	GROUND FLOOR	Area (Sqm.)	720.00	@ 3.0 m ² /person	240	-	-
7	WATERBODIES / SWIMMING POOL	-	-	-	-	-	-
8	FILTER BACK WASH	-	-	-	-	-	-
9	HORTICULTURE / ROAD WASHING	Area (Sqm.)	-	-	-	-	-
10	TOTAL	-	338	-	1690	-	-

A. TOTAL DAILY WATER DEMAND	
a) TOTAL DOMESTIC	205,325.00 LTRS.
b) TOTAL FLUSHING	93,055.00 LTRS.
TOTAL (a+b)	298,380.00 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	2,02,888.40 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.
Member Secretary
B.P.C.

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

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

PP

AP

DP (H.Q.)
Member
B.P.C.

DINESH JAIN
SD (H.Q.)

PLUMBING & FIRE SERVICES LEGEND :	
	SEWER MANHOLE WITH 5600 S.F.R.C. MANHOLE COVER.
	STORM WATER MANHOLE WITH 5600 S.F.R.C. PERFORATED MANHOLE COVER.
	CATCH BASIN (600 x 600) MM WITH PERFORATED MANHOLE COVER.
	STORM WATER MANHOLE (900 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
	EXTERNAL FIRE HYDRANT
	GARDEN HYDRANT WITH CHAMBER (300x300) MM
	R.P. RECHARGE PIT, 3000 MM DIA
	D.C. DESILTING CHAMBER (1000 x 2000)MM

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

Authorised Signatory

ARCHITECT'S SIGNATURE

AVANIKA VASHISTH
CA/2018/91670

DRAWING TYPE ok for Public Health

SITE PLAN

SEWER LAYOUT

ARCHITECTS

DATE	MAY 2019	DWG. NO.
SCALE	NTS	PL - 101
DEALT	SG	
CHECKED	MA	