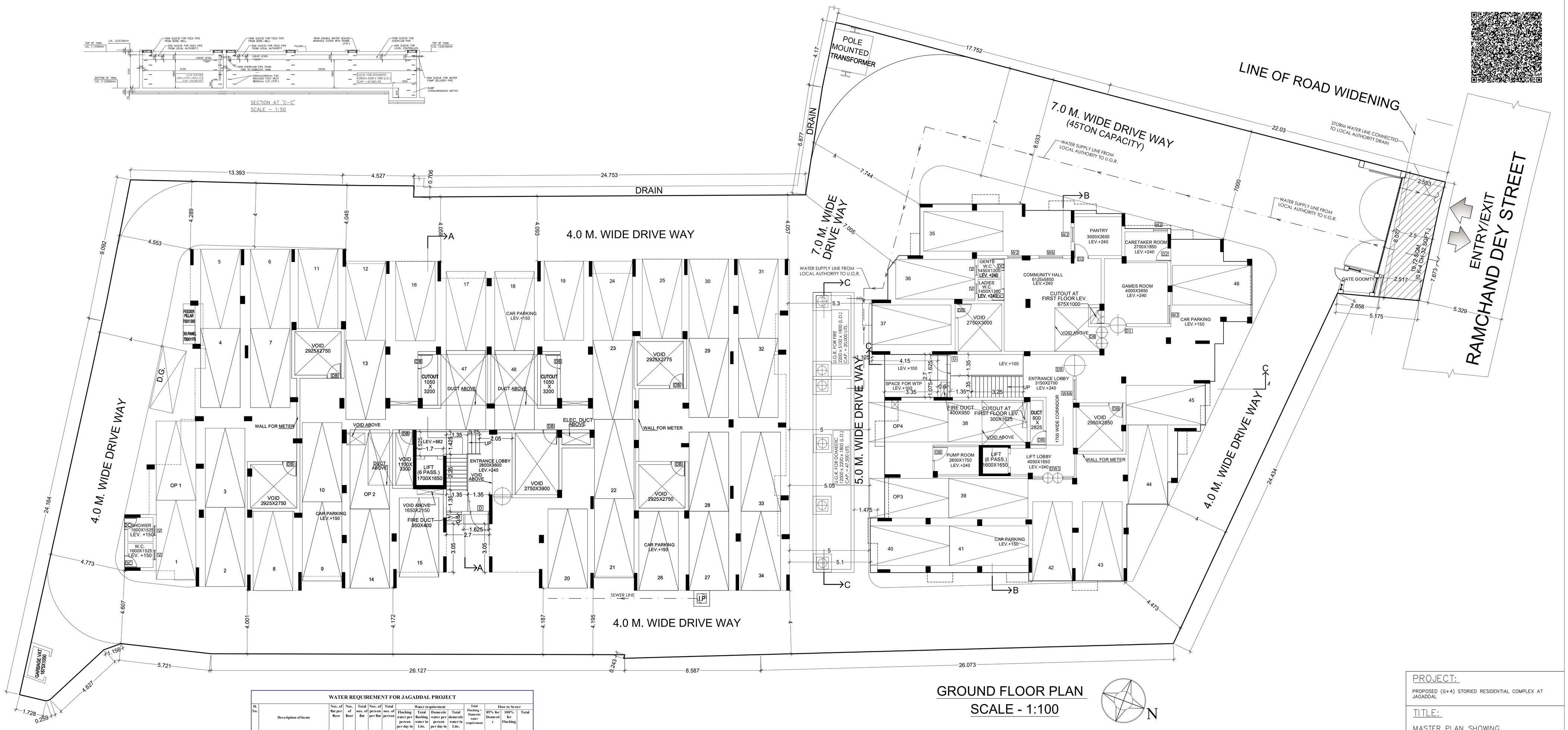
SECTION AT "C–C"
SCALE = 1:50



WATER REQUIREMENT FOR JAGADDAL PROJECT

Sl. No.	Description of Items	Nos. of flat per floor	Nos. of floor	Total nos. of flat	Nos. of person per flat	Total nos. of person	Water requirement				Total Flushing + Domestic water requirement	Flow to Sewer		
							Flushing water per person per day in Lts.	Total flushing water in Lits.	Domestic water per person per day in Lts.	Total domestic water in Lits.		85% for Domestic	100% for Flushing	Total
1	BLOCK -1 (G+4)													
	COMMUNITY HALL AT GROUND													
	Total area = 672 sq.ft. Considering area required @65 sq.ft./person So, the total nos. of person = 10		1			10	10	100	5	50	150	43	100	143
	1ST TO 4TH FLOOR													
	3 BHK FLAT	5	4	20	6	120	45	5400	90	10800	16200	9180	5400	14580
2	BLOCK -2 (G+4)													
	1ST TO 4TH FLOOR													
	3 BHK FLAT	8	4	32	6	192	45	8640	90	17280	25920	14688	8640	23328
3	Water requirement for WTP back washing						L.S.			4500	4500			4500
	TOTAL							14140		32630	46770			42551
	TOTAL (SAY)							14 KLD		33 KLD	47 KLD			43 KLD

Note:-

a) U.G.R. capacity for domestic => If the source of water is Bore well then we can provide U.G.R. capacity will be 2/3rd of the total domestic demand i.e. 31 KLD, otherwise U.G.R. will be 1 day storage capacity i.e. 47 KLD.

b) U.G.R. capacity for fire => As per Fire Provisional NOC

c) O.H.R. capacity for domestic => 8175 Litres for Block-1, 12960 Litres for Block-2 (1/2 day storage).

d) O.H.R. capacity for fire => As per Fire Provisional NOC

e) Septic tank capacity = 125 user's for Block-1, 200 user's for Block-2.

GROUND FLOOR PLAN
SCALE - 1:100

N

MASTER PLAN SHOWING WATER SUPPLY LINE

LEGEND:

1. I.P. INSPECTION PIT
2. M.P. MASTER PIT
3. U.G.R. UNDER GROUND RESERVOIR
4. L.D. LIQUID DEPTH
5. Y.G. YARD GULLY

VALVE
UNION JOINT
SEWERAGE LINE
STORM WATER LINE
WATER SUPPLY LINE

PROJECT:
PROPOSED (G+4) STORIED RESIDENTIAL COMPLEX AT JAGADDAL

TITLE:
MASTER PLAN SHOWING WATER SUPPLY LINE

ARCHITECT:
INNATE
UDAYAN PARK ,
26/2 BALLYGUNGE CIRCULAR ROAD,
KOL-19
TEL:(033) 4000 6422-26

PHE CONSULTANT:
R. G. SOLUTIONS
169, DAKSHINDARI ROAD
1ST FLOOR, FLAT NO. – 1A
KOLKATA – 700 048
E-mail : rgsolutions2@gmail.com

DATE	SCALE	DRAWN BY	CHKD. BY	REV. BY	REV.–
10.01.23	1:100	SUMIT	R.G.B.		DATE–

DRG.NO. RGS/JAGADDAL/EXT/SANC/PHE–01

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