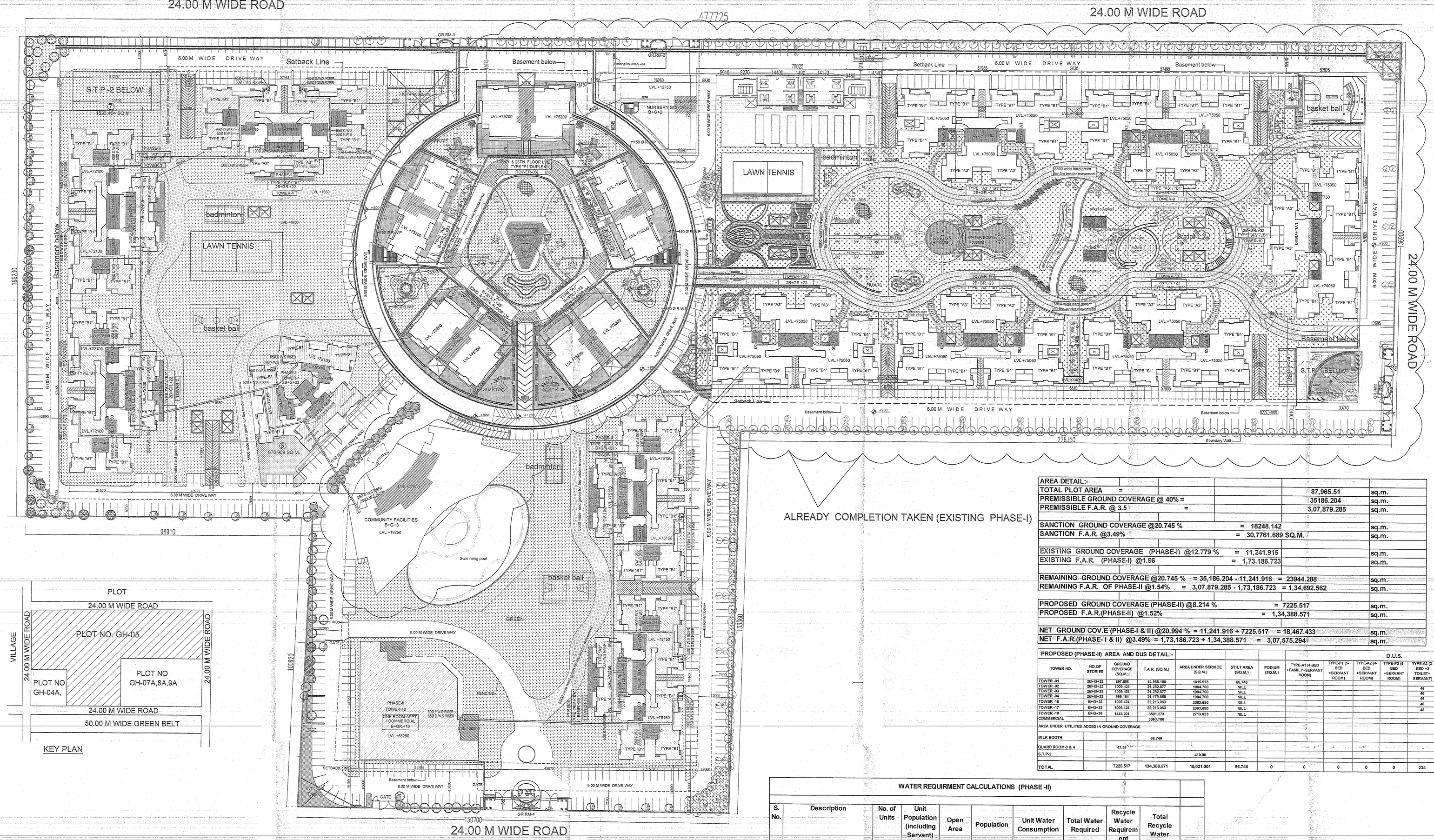
DRG. NO. - 06A

WATER-LINE LAYOUT PLAN



ALREADY COMPLETION TAKEN (EXISTING PHASE-I)

KEY PLAN

AREA DETAIL:-			
TOTAL PLOT AREA =		87,965.51	sq.m.
PREMISSIBLE GROUND COVERAGE @ 40% =		35186.204	sq.m.
PREMISSIBLE F.A.R. @ 3.5 =		3,07,879.285	sq.m.
SANCTION GROUND COVERAGE @20.745 %	= 18248.142		sq.m.
SANCTION F.A.R. @3.49%	= 30,7761.689 SQ.M.		sq.m.
EXISTING GROUND COVERAGE (PHASE-I) @12.779 %	= 11,241.916		sq.m.
EXISTING F.A.R. (PHASE-I) @1.96	= 1,73,186.723		sq.m.
REMAINING GROUND COVERAGE @20.745 % = 35,186.204 - 11,241.916 = 23944.288			sq.m.
REMAINING F.A.R. OF PHASE-II @1.54% = 3,07,879.285 - 1,73,186.723 = 1,34,692.562			sq.m.
PROPOSED GROUND COVERAGE (PHASE-II) @8.214 %	= 7225.517		sq.m.
PROPOSED F.A.R.(PHASE-II) @1.52%	= 1,34,388.571		sq.m.
NET GROUND COV.E (PHASE-I & II) @20.994 % = 11,241.916 + 7225.517 = 18,467.433			sq.m.
NET F.A.R.(PHASE- I & II) @3.49% = 1,73,186.723 + 1,34,388.571 = 3,07,575.294			sq.m.

PROPOSED (PHASE-II) AREA AND DUS DETAIL:-

TOWER NO.	NO.OF STORIES	GROUND COVERAGE (SQ.M.)	F.A.R. (SQ.M.)	AREA UNDER SERVICE (SQ.M.)	STILT AREA (SQ.M.)	PODIUM (SQ.M.)	D.U.S. TYPE-A1 (4-BED +FAMILY+SERVANT ROOM)	TYPE-P1 (3-BED +SERVANT ROOM)	TYPE-A2 (4-BED +SERVANT ROOM)	TYPE-P2 (3-BED +SERVANT ROOM)	TYPE-A3 (3-BED +3 TOILET+ SERVANT)	TYPE-B1 (2-BED +3 TOILET+DR. ESS)	ONE RM APPART.	TOTAL D.U.S.
TOWER -01	28+G+22	687.956	14,365.105	1915.918	66.746							136		136
TOWER -02	28+G+22	1009.424	21,292.877	1984.700	NILL						46	138		184
TOWER -03	28+G+22	1009.424	21,292.877	1984.700	NILL						46	138		184
TOWER -04	28+G+22	988.154	21,179.555	1984.700	NILL						46	138		184
TOWER -16	B+G+23	1009.424	22,213.063	2063.680	NILL						48	144		192
TOWER -17	B+G+23	1009.424	22,213.063	2063.680	NILL						48	144		192
TOWER -18	B+G+16	1443.201	8501.273	2713.623	NILL								154	154
COMMERCIAL			3363.786											
AREA UNDER UTILITES ADDED IN GROUND COVERAGE														
MILK BOOTH			66.746											
GUARD ROOM-3 & 4		47.94												
S.T.P-2				410.00										
TOTAL		7225.517	134,388.571	15,021.001	66.746	0	0	0	0	0	234	838	154	1226

WATER SUPPLY LEGENDS:

DOMESTIC WATER LINE (DWS)	
FLUSHING WATER LINE (FWS)	
BALL VALVE (BV)	

WATER REQUIRMENT CALCULATIONS (PHASE -II)

S. No.	Description	No. of Units	Unit Population (including Servant)	Open Area	Population	Unit Water Consumption	Total Water Required	Recycle Water Requirement	Total Recycle Water
				Sqm.	(Persons)	(Liters)	(Liters)	(Liters)	(Liters)
1	Apartments	1226	@ 4.5/ @2.25		6,043.50	135	815,872.50	45	271,957.50
2	Staff commercial				250	45	11,250.00	15	3,750.00
3	Horticulture			18,794.6		4	75,178.57	100%	139,640.00
						Total	**902,301.1**		**415,347.5**

SUMMAR OF WATER REQUIRMENT CALCULATIONS

Total Permanent Population	=	6,043.50	persons	
Total Domestic Water Requirement	=	902,301.1	ltr/ day	
Total Recycle Water Requirement	=	415,348	ltr/ day	
Net Domestic Water Requirement = Total domestic water - Total recycle water	=	486,953.57	ltr/ day	
Total Sewage Load (total domestic water required - horticulture)	=	827,122.5	ltr/ day	
Net Sewage Flow - 80% of total sewage load	=	1,507,998	ltr/ day	
Sewage Treatment Plant capacity required	=	800	KLD	800 kld x 1
Total Recycle Water Required	=	415,347.5	Liters	
Net water balance (to discharge into drainage system)	=	1,092,651	Liters	
UGT Capacity (for Domestic Use) = 16 hrs storage	=	324,636	Liters	450 KL
UGT Capacity (for Fire Fighting)	=			350 KL
Total UGT Capacity (Domestic + Fire)	=			800 KL

DENSITY REQUIRED FOR THE CONS. WOULD BE
1650 PERSONS / HEC. (+ 5% TO - 50 %)
PERMISSIBLE DENSITY 8.79 X 1650 = 14,503.50 PERSONS
= 15,228.675 TO 7251.75
= 1732.5 TO 825.0

PROPOSED DENSITY CALCULATION (PHASE-II)

DENSITY @ 4.5 PERSON IN ONE DU'S = 1226 X 4.5 = 5517 PERSONS
DENSITY @ 2.25 PERSON IN SERVANT QUARTER = 234 X 2.25 = 526.50 PERSONS
TOTAL = 6043.50 PERSONS

PROPOSED DENSITY (PHASE-II) 6043.50 / 8.796 = 687.07 P.P.HA

REVISE SUBMISSION DRAWING (PHASE-II)

SHEET TITLE

WATER-LINE LAYOUT PLAN

ARCHITECT:

DEVELOPMENTS CONSULTANT
ARCHITECTS ENGINEERS & PLANNERS
209-C,MASJID MOTH, (OPP."R" BLOCK,N.D.S.E.-II)
PHONE: 011- 26254880 , 49406894

PROJECT :

PROPOSED GROUP HOUSING
FOR PURVANCHAL PROJECTS PVT.LTD.
ON PLOT NO. GH-05, SECTOR - CHI-V
GREATER NOIDA U.P.

SCALE 1:500 | DATE : 17 / 12 / 2018

ARCHITECT'S SIGNATURE

A. PATHAL
a.i.t.e. CA/88/11732
209-C, Masjid Moth
New Delhi-110049

OWNER'S SIGNATURE