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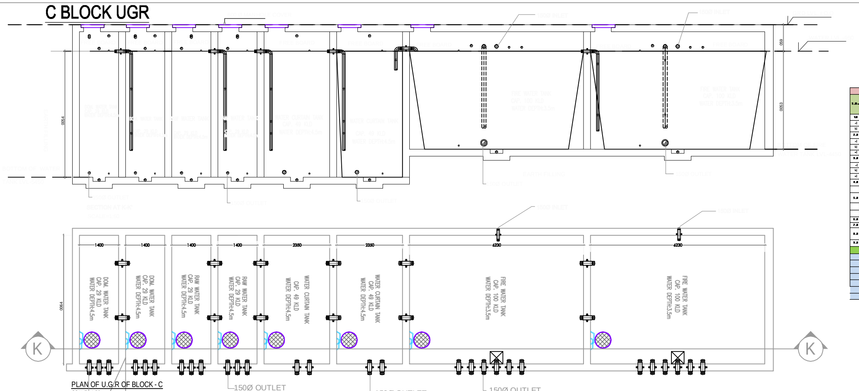
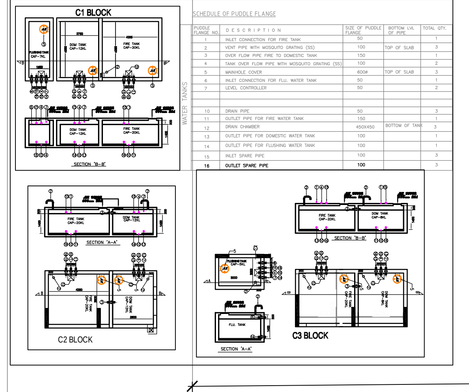
C BLOCK UGR



PLAN OF U.G.R OF BLOCK - C
SCALE=1:50

C BLOCK OHR



SCHEDULE OF FLOOD LEVELS

CHART NO.	D E S C R I P T I O N	TOP OF PARAPET LEVEL (+)	BOTTOM LVL (+)	TOTAL QTY.
1	INLET CONNECTION, FOR FIRE TANK	150		1
2	OUT PIPE WITH MOSQUITO SCREENS (SS)	150	TOP OF SUMP	1
3	300M FLOW PIPE FIRE TO DOMESTIC TANK	150		1
4	SUMP WELL (FOR FIRE WITH MOSQUITO SCREENS (SS))	150		1
5	INLET CONNECTION, FOR FIRE TANK	150	BOTTOM OF SUMP	1
6	INLET CONNECTION FOR ALL WATER TANK	150	TOP OF SUMP	1
7	SUMP CHAMBER	450/600		1
8				
9				
10	DRAIN PIPE	150		1
11	OUTLET PIPE FOR FIRE WATER TANK	150		1
12	DRAIN CHAMBER	450/600	BOTTOM OF TANK	1
13	OUTLET PIPE FOR DOMESTIC WATER TANK	150		1
14	OUTLET PIPE FOR FLUSHING WATER TANK	150		1
15	INLET DRAIN PIPE	150		1
16	OUTLET PIPE	150		1

BLOCK A

Water Requirement : Block A (Hotel Block)

SL No.	Description	Total Number of Persons	Occupancy Factor as per Table 1	Total Water requirement @ 135 Ltr per occupant per day	Water requirement for Flushing @ 40% of total water requirement	Water requirement for Flushing @ 40% of total water requirement	Total Flushing Water requirement	Total water requirement	Flow in GPH (gpm)
					Cold	Hot			
A	Hotel Rooms (Economy & Luxury) with Kitchen	288	2	77760	@ 50% Load 15552	@ 50% Load 15552	31104	46656	1943.2
B	Restaurants & Coffee Shop with Kitchen	288	2	388	155	@ 50% Load 78	@ 50% Load 78	155	1620
C	Cooling Tower water	288	10	39	16	@ 50% Load 8	@ 50% Load 8	16	1620
D	Laundry for Hotel & Restaurant	288	10	388	155	@ 50% Load 78	@ 50% Load 78	155	1617.6
E	R.C.C Pool for 50 m long pool for 25 m wide Swimming pool with depth of 1.5 m & 1.8 m	288	10	3750	1500	@ 50% Load 750	@ 50% Load 750	1500	1620
F	Miscellaneous				4500				
	Total			82337	32910	16426	33004	49414	6801

Total Domestic water requirement	49 KLD
Total water requirement (including Recycled)	49 KLD
STP Input	49 KLD
STP Output (@ 90 %of Input)	44 KLD
Recycled Water Available for Use	44 KLD
Recycled Water Requirement	44 KLD
Discharge To City Sewage	0 KLD

BLOCK B

Water Requirement (Block B (Hotel Lemon Tree)

SL No.	Description	No. of Floors & Guest Room	Occupancy Factor	Water requirement @ 135 Ltr per occupant per day (Metro/commercial)			Water requirement		Total water requirement	Flow in GPH
		Nos.	Nos.	Cold	Hot	Flushing	Total Cold water	Total Hot water	Total Flushing (Irrigation)	LPD
2.1	To be guest rooms	192	2	259	155	155	49920	29760	0	79680
2.2	Kitchen for guest room	192	2	259	155	155	49920	29760	0	79680
2.3	Toilets in all the dining	-	-	75	135	83	3450	2550	2100	14850
2.4	Banquet hall	-	-	200	45	25	3150	4950	5400	22500
2.5	Hair cutt	-	-	75	25	0	2025	0	1350	3375
2.6	Toilets	-	-	75	25	0	2025	0	1350	3375
2.7	Spa	-	-	50	25	0	1350	0	1350	2700
2.8	Lounge area	-	-	50	25	0	1350	0	900	2250
2.9	Gymnasium	-	-	40	25	0	1080	0	900	1980
2.10	Flushing @ 40% of total water requirement						32805	32805	32805	131220
	Total Domestic water requirement									328 KLD
	Total water requirement (including Recycled)									557 KLD
	STP Input									558 KLD
	STP Output (@ 90 %of Input)									140 KLD
	Recycled Water Available for Use									140 KLD
	Recycled Water Requirement									76 KLD
	Discharge To City Sewage									124 KLD

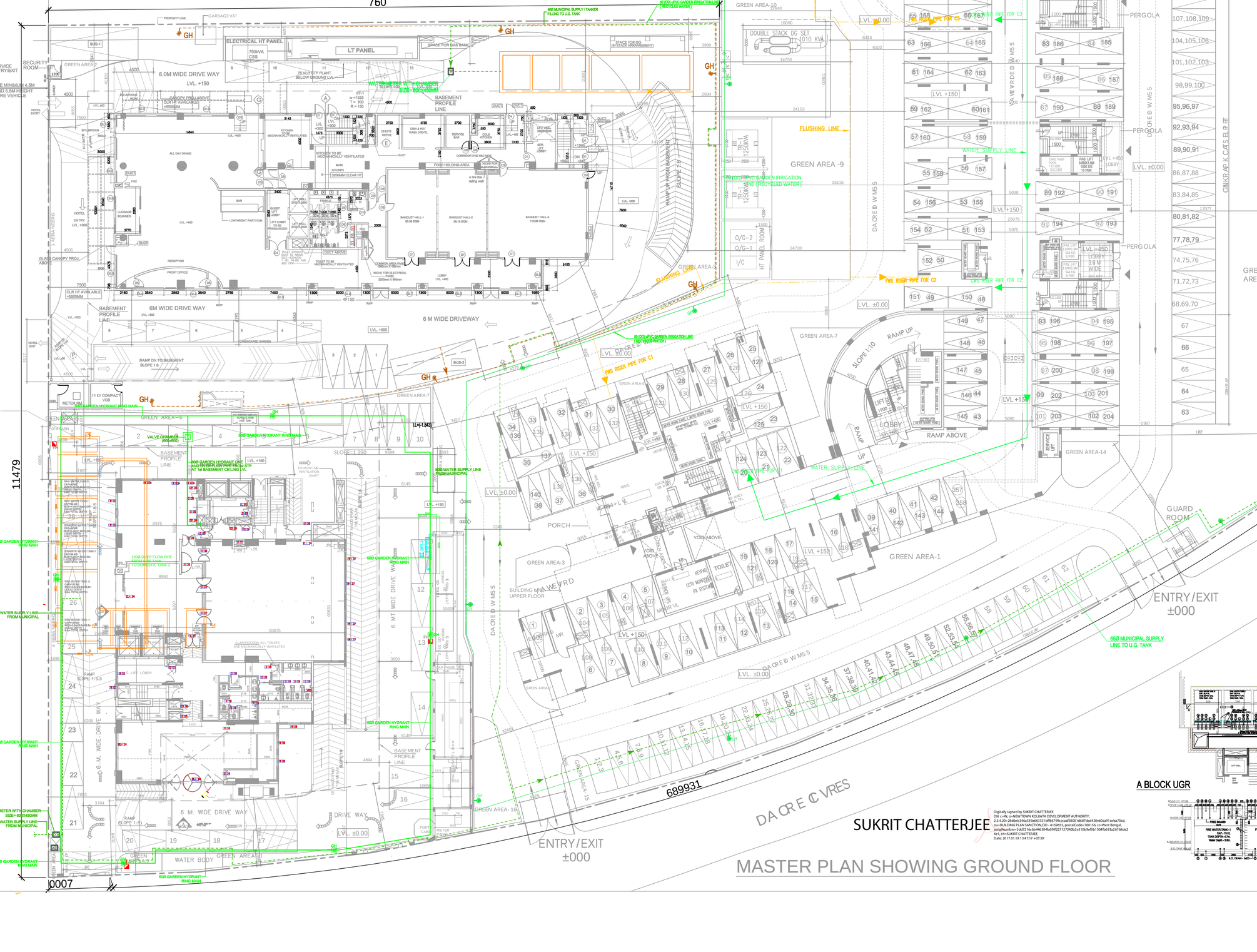
BLOCK C

Water Requirement : Block C

SL No.	Description	No. of Guest Room	Occupancy Factor	Water requirement @ 135 Ltr per occupant per day (Metro/commercial)			Water requirement		Total water requirement	Flow in GPH
		Nos.	Nos.	Cold	Hot	Flushing	Total Cold water	Total Hot water	Total Flushing (Irrigation)	LPD
A	Hotel Rooms (Economy & Luxury) with Kitchen	98	2	135	90	90	26460	17640	17640	61740
B	Restaurants & Coffee Shop with Kitchen	98	2	135	90	90	26460	17640	17640	61740
C	Cooling Tower water	98	2	135	90	90	26460	17640	17640	61740
D	Laundry for Hotel & Restaurant	98	2	135	90	90	26460	17640	17640	61740
E	R.C.C Pool for 50 m long pool for 25 m wide Swimming pool with depth of 1.5 m & 1.8 m	98	2	135	90	90	26460	17640	17640	61740
F	Miscellaneous						1500	1000	1000	3500
	Total	490	490				133740	89160	89160	312060

Total Domestic water requirement	134 KLD
Total water requirement (including Recycled)	312 KLD
STP Input	312 KLD
STP Output (@ 90 %of Input)	281 KLD
Recycled Water Available for Use	281 KLD
Recycled Water Requirement	178 KLD
Discharge To City Sewage	103 KLD

Total Domestic water (Block A + Block B + Block C)	361 KLD
Total Water consumption per day including plumbed water (Block A + Block B + Block C)	748 KLD
STP Capacities	
Block A (Hotel Block)	317 KLD
Block B (Hotel Lemon Tree)	156 KLD
Block C	312 KLD
Recycled Water Available For Use (Block A + Block B + Block C)	585 KLD
Required Water Requirement (Block A + Block B + Block C)	294 KLD
Discharge To City Sewage (Block A + Block B + Block C)	271 KLD


63179
760
11479
689931
0007
0333
GREEN AREA-13
GREEN AREA-10
GREEN AREA -9
GREEN AREA-7
GREEN AREA-14
GREEN AREA-1
GREEN AREA-3
GREEN AREA
PARKING
UGR BELOW
LVL ±0.00
5.5 M WIDE ROAD
STP BELOW
RAMP UP
RAMP ABOVE
VOID ABOVE
PERGOLA
LOBBY
GUARD ROOM
PORCH
ENTRY/EXIT ±000
ENTRY/EXIT ±000
LT PANEL
ELECTRICAL HT PANEL
750KVA DG SET
1010 KVA
6.0M WIDE DRIVE WAY
6 M WIDE DRIVEWAY
6 MT WIDE DRIVE WAY
6 M. WIDE DRIVE WAY
DRIVE WAY
BASEMENT PROFILE LINE
WATER BODY
DA CR E E W M5 63
DA CR E E W M5 5
DA CR E E W M5 3
DA CR E E W M5 2
DA CR E E W M5 1
DA CR E E W M5 4
DA CR E E W M5 6
DA CR E E W M5 7
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650 GARDEN HYDRANT PIPE
600 MUNICIPAL SUPPLY / TANKER FILLING TO U.G. TANK
650 MUNICIPAL SUPPLY LINE TO U.G.TANK
650 GARDEN HYDRANT RING MAIN
600 WATER SUPPLY LINE FROM MUNICIPAL
WATER METER WITH CHAMBER SIZE= 600X450MM
FIRE RISER PIPE FOR C1
FIRE RISER PIPE FOR C2
FIRE RISER PIPE FOR C3
WATER SUPPLY LINE
FLUSHING LINE
RAIN WATER HARVESTING PIT
SUBMERSIBLE PUMP
SUMP WELL
SUMP CHAMBER
SUBMERSIBLE PUMP FOR MUNICIPAL WATER
SUBMERSIBLE PUMP FOR RAIN WATER
SUBMERSIBLE PUMP FOR FLUSHING WATER
SUBMERSIBLE PUMP FOR DOMESTIC WATER
SUBMERSIBLE PUMP FOR FIRE WATER
SUBMERSIBLE PUMP FOR SEWAGE
SUBMERSIBLE PUMP FOR DRAIN
SUBMERSIBLE PUMP FOR SUMP
SUBMERSIBLE PUMP FOR SUMP WELL
SUBMERSIBLE PUMP FOR SUMP CHAMBER