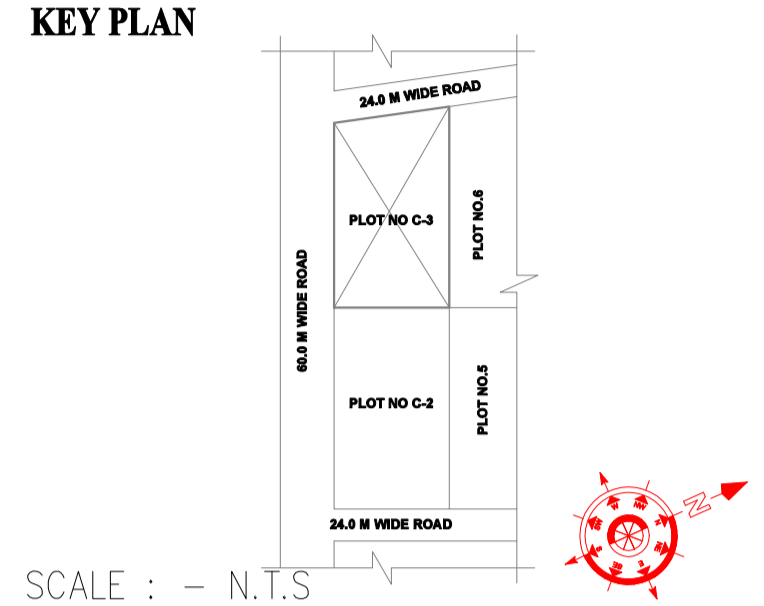


**GROUND FLOOR**  
AT LVL (+900)

- NOTES:-**
1. ALL DIMENSIONS & LEVELS ARE IN MILLIMETERS.
  2. ALL THE AREAS INDICATED ARE IN SQ.M.
  3. COLUMNS ARE ONLY INDICATIVE AND WILL BE AS PER RELEVANT STRUCTURAL DRAWINGS.
  4. ALL LIFT, ESCALATOR & MACHINE SHOULD BE AS PER ISI STANDARD.
  5. THE BUILDING SHALL BE FULLY SPRINKLER EQUIPPED WITH AUTOMATIC SPRINKLER SYSTEM.
  6. ALL TOILETS HAVING A MECHANICAL VENTILATION



**LEGEND**

SYMBOL	DESECRATION
	MUNICIPAL SUPPLY LINE
	DOMESTIC WATER SUPPLY
	FLUSHING WATER SUPPLY
	WATER METER
	CONTROL VALVE
	NON RETURN VALVE
	GARDEN HYDRANT LINE
	SOFT WATER LINE

**EIA SUBMISSION DRAWING**

**PROJECT**  
PROPOSED COMMERCIAL BUILDING  
AT PLOT NO. C-03, SECTOR-PI-1,  
GREATER NOIDA (U.P.)

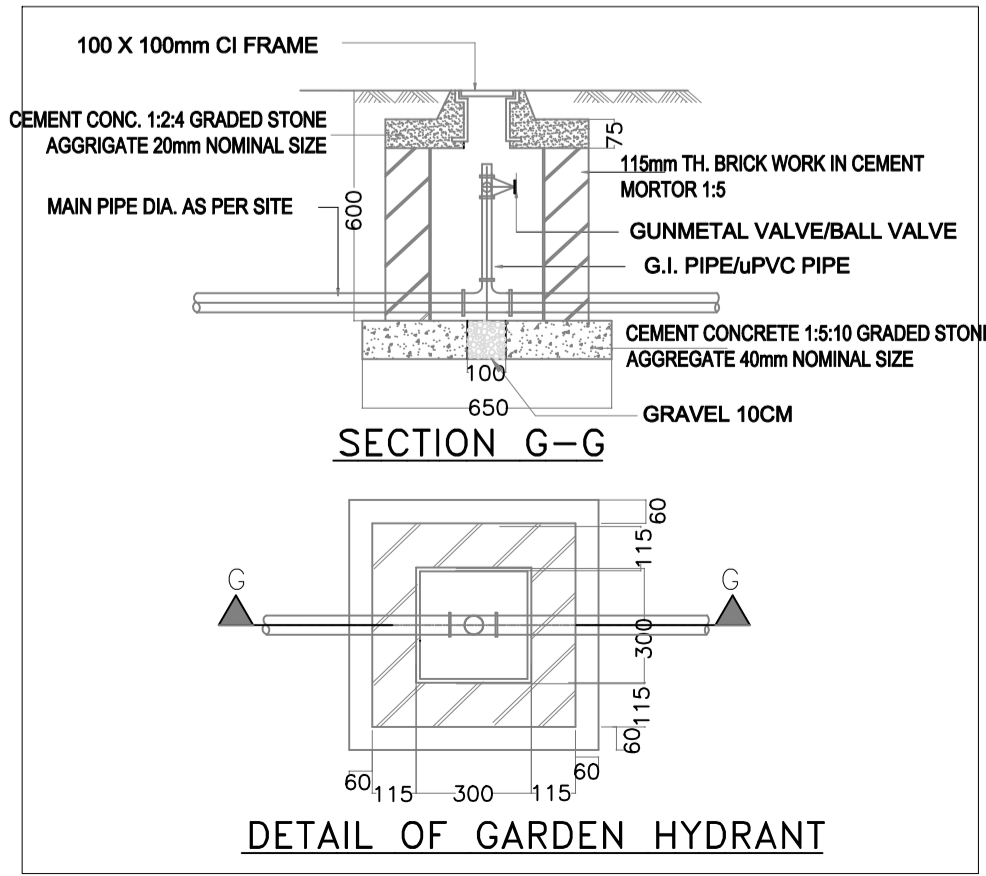
**OWNER:-**  
M/S. GANADHI PATI CONSTRUCTION PVT. LMT.  
ADD:- 203, A-BLOCK, CAPITAL TOWER, FRAZER  
ROAD, PATNA-800001

**ARCHITECT'S SEAL**      **OWNER'S SEAL**

**ARCHITECT**

Drawing Title: **SITE PLAN FOR WATER SUPPLY & IRRIGATION LAYOUT**

Checked by: PARDEEP KUMAR      Date: 23.01.2025  
Drawn by: ASHISH      Scale: 1:150  
Drawing No. PL-04



**ANNEXURE - 21**  
**SUBJECT: PARAMETERS FOR RAINWATER CALCULATIONS**

(i) Areas		
a) Total Area of the Site /Plot	--	4,400 m <sup>2</sup>
b) Terrace/Roof area	--	2,200 m <sup>2</sup>
c) Paved/Pavement/Road area	--	1,100 m <sup>2</sup>
d) Greens/Landscaped/ Lawn areas	--	1,100 m <sup>2</sup>
(ii) Intensity		
a) Annual Average Rainfall	--	770 mm
b) Constant Coefficient for Rainfall	--	0.8
c) Average Monsoon rainfall considered for Design Calculations	--	616 mm
(iii) Coefficient and factors Adopted		
a) Harvesting efficiency factor for terraces & rooftops	--	0.9
b) Harvesting efficiency factor for roads and paved surfaces	--	0.65
c) Harvesting efficiency factor for soft landscaped areas, gardens, parks etc.	--	0.15
(iv) Coefficient for Calculation for Capacity for Collection Wells for Harvesting		
a) Peak Hourly rainfall assumed	--	50 mm/hr
b) Retention time for capacity of Recharge Tank	--	30 Minutes
c) Net run off for which holding is required for infiltration	--	25 mm

**AREA SUMMARY**

FLOOR	RETAIL F.A.R.	HOTEL F.A.R.	TOTAL F.A.R. AREA	15% F.A.R. AREA	NON F.A.R. AREA
Basement-03 Floor					2999.660
Basement-02 Floor					2999.660
Basement-01/LW.GR. Floor	1530.429		1530.429		996.138
Ground Floor	1558.714		1558.714	132.602	
1st floor	1474.966		1474.966	131.875	
2nd floor	1474.966		1474.966	131.875	
3rd floor	1473.974		1473.974	131.875	
4th/Service Floor-01					1745.720
5th floor		1297.184	1297.184	194.648	
6th floor		1071.586	1071.586	170.848	
7th floor		825.772	825.772	294.324	
8th/Service Floor-02					1050.550
9th floor		882.057	882.057	120.791	
10th floor		882.057	882.057	120.791	
11th floor (Refuge floor)		825.100	825.100	202.576	
12th floor		824.540	824.540	119.700	
13th floor		882.057	882.057	120.791	
14th floor		882.057	882.057	120.791	
15th floor		743.580	743.580	119.700	
16th floor		715.508	715.508	114.173	
TERRACE FLOOR	137.590		137.590	149.964	
Meter & VCB Room (Ground Floor)			20.71		
<b>TOTAL AREA</b>	<b>7513.049</b>	<b>9969.088</b>	<b>17502.847</b>	<b>2377.233</b>	<b>9791.728</b>

**C-03, COMMERCIAL, AREA ANALYSIS**

Total Plot Area		4,375.750
Permissible Ground Coverage @ 40%	40%	1,750.300
Achieved Ground Coverage	39.99%	1,749.687
Permissible F.A.R. @ 4	4.00	17,503.000
Proposed F.A.R. Area of Block	4.000	17,502.847
Additional 15% F.A.R. Area (15% of Permissible F.A.R.)	15.00%	2,625.450
Proposed 15% F.A.R. Area	13.58%	2,377.233
Balanced 15% F.A.R. Area	-1.42%	(248.217)
<b>So Proposed F.A.R. Area with Exceeded 15% F.A.R. Area</b>	<b>3.943</b>	<b>17,254.630</b>

**Additional 15% of F.A.R. Calculation**

Particulars	Area
Total 15% F.A.R. Area of Block	2377.233
<b>Total Area</b>	<b>2377.233</b>

**Ground Coverage Calculation**

Particulars	Area
F.A.R. Area of Ground Floor	1558.714
15% F.A.R. Area of Ground Floor	132.602
Projection Area on Ground Floor	38.371
Area of Meter Room	20.000
<b>Total Area</b>	<b>1749.687</b>

**Basement / Non F.A.R. Area Calculation**

Particulars	Area
Basement-3	2,999.660
Basement-2	2,999.660
Basement-1/L.G.F.	996.138
<b>Total Basement Non F.A.R. Area</b>	<b>6,995.458</b>
Service Floor-1/4th Floor	1,745.720
Service Floor-2/8th Floor	1,050.550
<b>Total Non F.A.R. Area</b>	<b>9,791.728</b>

**Required Parking Calculation**

Particulars	Area	Space/E.C.S.	Parking Required
Retail Area	7,513.049	50	150
Hotel	153 Rooms	One E.C.S. Per Two Rooms	77
<b>Total</b>			<b>227</b>

**Proposed Parking Calculation**

Particulars	Parking Area	Space/E.C.S.	Proposed E.C.S.	Actual Proposed E.C.S.
Basement-3 (Mechanical Parking)-DOUBLE STACK	2,132.958	18	118.497	118
Basement-2 (Mechanical Parking)-DOUBLE STACK	2,035.750	18	113.097	113
<b>Total</b>	<b>4,168.308</b>		<b>231.673</b>	<b>231</b>

**Landscape Area Calculation**

Open Area = Plot Area - Ground Coverage	2,625.450
Required Landscape Area (25% of open area) =	656.363
Proposed Landscape Area =	660.000
No of Tree Required (One Tree per 100 Sqm. of open area) =	26
No of Tree Proposed =	27

**Built-up Area Calculation**

F.A.R. Area	Basement / Non F.A.R.	Service Area (15% F.A.R. Area)	Total Built-up Area
17,502.847	9,791.728	2,377.233	<b>29,671.808</b>