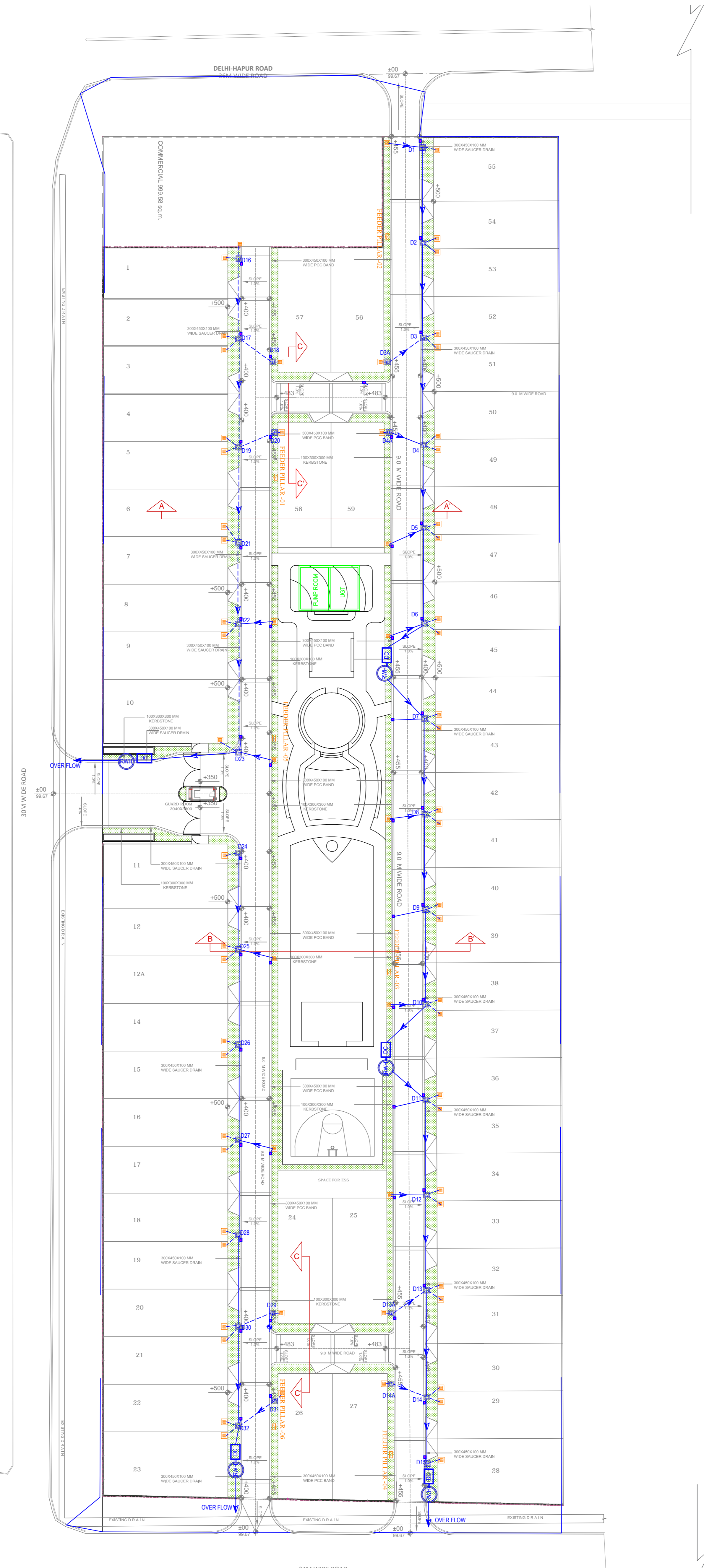


DESIGN CHART SHOWING OF DRAINAGE SYSTEM (VJENDRA ORCHID)														
S.No.	Line No.	Length	Pipe Dia.	Slope (1 in)	Start	End	Start	End	Start	End	Depth	S.No.	Manhole No.	TYPE OF MANHOLE
From	To	(mm)			1 in	Start	End	Start	End	Start	End			
1	D1	D2	17.0	200	0.400	0.400	-0.250	-0.335	0.650	0.735	1	D1	A	
2	D2	D3	17.0	200	0.400	0.400	-0.335	-0.420	0.735	0.820	2	D2	A	
3	D3A	D3	7.5	200	0.400	0.400	-0.250	-0.280	0.650	0.685	3	D3A	A	
4	D3	D4	19.5	200	0.400	0.400	-0.420	-0.535	0.820	0.935	4	D3	A	
5	D4A	D4	7.5	200	0.400	0.400	-0.250	-0.280	0.650	0.685	5	D4A	A	
6	D4	D5	15.0	250	200	0.400	0.400	-0.535	-0.660	0.985	1.060	6	D4	A
7	D5	D6	17.0	250	200	0.400	0.400	-0.660	-0.745	1.060	1.145	7	D5	A
8	D6	RWH-1	8.0	300	0.400	0.400	-0.795	-0.821	1.195	1.221	8	D6	A	
9	RWH-1	D7	9.5	300	0.400	0.400	-0.521	-0.551	0.921	0.951	9	RWH-1	A	
10	D7	D8	17.5	300	0.400	0.400	-0.551	-0.611	0.951	1.011	10	D7	A	
11	D8	D9	17.0	300	0.400	0.400	-0.611	-0.668	1.011	1.068	11	D8	A	
12	D9	D10	17.0	300	0.400	0.400	-0.668	-0.725	1.068	1.125	12	D9	A	
13	D10	RWH-2	9.5	300	0.400	0.400	-0.725	-0.756	1.125	1.156	13	D10	A	
14	RWH-2	D11	7.5	300	0.400	0.400	-0.456	-0.481	0.856	0.881	14	RWH-2	A	
15	D11	D12	17.0	300	0.400	0.400	-0.481	-0.538	0.881	0.938	15	D11	A	
16	D12	D13	17.0	300	0.400	0.400	-0.538	-0.595	0.938	0.995	16	D12	A	
17	D13A	D13	7.0	200	0.400	0.400	-0.250	-0.285	0.650	0.685	17	D13A	A	
18	D13	D14	19.0	300	0.400	0.400	-0.595	-0.652	0.995	1.052	18	D13	A	
19	D14A	D14	7.0	200	0.400	0.400	-0.250	-0.285	0.650	0.685	19	D14A	A	
20	D14	D15	17.0	300	0.400	0.400	-0.650	-0.680	1.050	1.080	20	D14	A	
21	D15	RWH-3	1.5	300	0.400	0.400	-0.696	-0.703	1.083	1.090	21	D15	A	
22	RWH-3	D16	4.0	300	0.400	0.400	-0.403	-0.416	0.803	0.816	22	RWH-3	A	
23	D16	D17	14.0	200	200	0.400	0.400	-0.250	-0.320	0.650	0.720	23	D16	A
24	D18	D17	7.0	200	0.400	0.400	-0.250	-0.285	0.650	0.685	24	D18	A	
25	D17	D19	19.0	200	200	0.400	0.400	-0.320	-0.415	0.720	0.815	25	D17	A
26	D20	D19	6.5	200	200	0.400	0.400	-0.250	-0.285	0.650	0.685	26	D20	A
27	D19	D21	16.5	250	250	0.400	0.400	-0.465	-0.531	0.865	0.931	27	D19	A
28	D21	D22	14.0	250	250	0.400	0.400	-0.531	-0.587	0.931	0.987	28	D21	A
29	D22	D23	22.5	250	200	0.400	0.400	-0.587	-0.700	0.987	1.100	29	D22	A
30	D23	RWH-4	11.5	300	350	0.400	0.400	-0.750	-0.794	1.150	1.194	30	D23	A
31	RWH-4	D24	9.5	300	350	0.400	0.400	-0.494	-0.521	0.894	0.921	31	RWH-4	A
32	D24	D25	17.0	250	250	0.400	0.400	-0.308	-0.368	0.700	0.768	32	D24	A
33	D25	D26	17.0	200	200	0.400	0.400	-0.318	-0.403	0.718	0.803	33	D25	A
34	D26	D27	17.0	200	200	0.400	0.400	-0.403	-0.488	0.803	0.888	34	D26	A
35	D27	D28	17.5	250	250	0.400	0.400	-0.538	-0.608	0.938	1.008	35	D27	A
36	D28	D30	16.0	250	250	0.400	0.400	-0.608	-0.672	1.008	1.072	36	D28	A
37	D29	D30	8.0	200	200	0.400	0.400	-0.250	-0.290	0.650	0.690	37	D29	A
38	D30	D32	18.0	300	300	0.400	0.400	-0.722	-0.782	1.122	1.182	38	D30	A
39	D32	D33	7.5	200	200	0.400	0.400	-0.250	-0.285	0.650	0.685	39	D32	A
40	D32	RWH-5	7.5	300	300	0.400	0.400	-0.782	-0.794	1.182	1.194	40	D32	A
41	RWH-5	TO DRAIN	8.0	300	300	0.400	0.400	-0.494	-0.520	0.894	0.920	41	RWH-5	A



S.No.	SYMBOL	DESCRIPTION
1		DRAINAGE MANHOLE (SIZE: 910/1220/1520mm DIA)
2		RAIN WATER HARVESTING PIT
3		DRAINAGE LINE
4		FLOW DIRECTION
5		300mm WIDE SAUCER DRAIN
6		CATCH BASIN 400x300

S.No.	DESCRIPTION	DEPTH	TYPE
1.	600x600mm	0.600M TO 1.200M	A
2.	910mm DIA	1.201m TO 2.000m	B
3.	1220mm DIA	2.001m TO 3.500m	C

- EXTERNAL PLUMBING DRAINAGE NOTES:-
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
  - WRITTEN DIMENSIONS ARE TO BE FOLLOWED, DRAWINGS ARE NOT TO BE SCALED.
  - PLEASE CO-ORDINATE THIS DRAWING WITH ALL OTHER RELEVANT DRAWINGS OF ALL THE SERVICES.
  - SHOP DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED IN CASE OF ANY CHANGES IN LAYOUT AS PER SITE CONDITIONS.
  - ALL LINES SHOWING IN LAYOUT ARE CENTER LINES.
  - FOR LOCATION OF MANHOLE PLEASE REFER ROAD SECTION & DESIGN CHART.
  - INVERT LEVEL LOCATION AND SIZES OF EXTERNAL DRAIN SHALL BE CHECKED AT SITE BEFORE EXECUTION IF EXISTING DRAIN HIGHER THEN THE PURPOSE INVERT LEVEL PLEASE CONSULTS PROJECT ARCHITECT/CONSULTANTS.
  - ALL DRAIN LINE SHALL BE LAID ON PCC BED.
  - ALL BURIED PIPES SHALL BE TESTED FOR LEAKAGES AND STRAIGHTNESS AS PER SPECIFICATION.
  - TRENCH SHALL BE REFILLED ONLY AFTER PIPE TESTING.
  - ALL STORM WATER LINE SHALL BE LAID IN S & S RCC (NP3) PIPE CONFORMING TO IS - 458.
  - THE DEPTH OF MANHOLE SHOULD BE MEASURED FROM F.G.L. - F.G.L.

NOTES:  
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