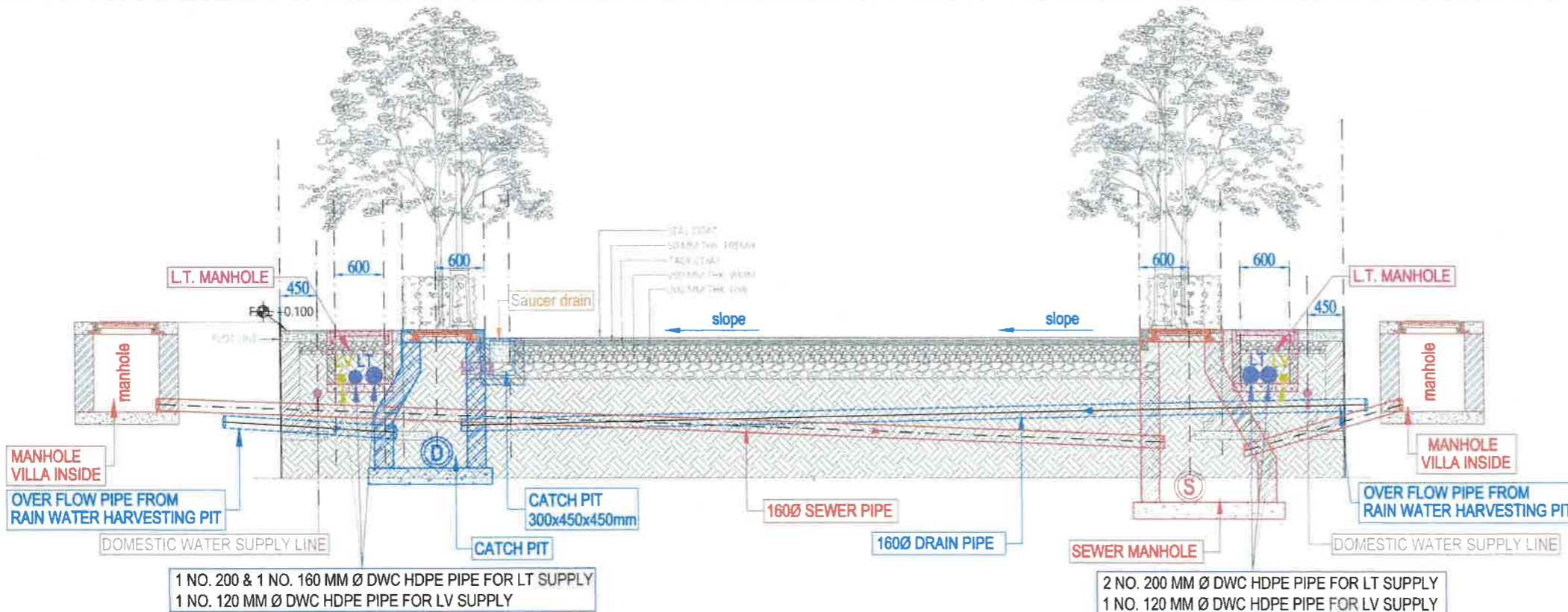


13M WIDE ROAD TYPICAL SECTION-AA'



13M WIDE ROAD TYPICAL SECTION-BB'

LEGEND :

S. No.	SYMBOL	DESCRIPTION	LEVELS (BOTTOM OF PIPE)
1.	W	WATER LINE	900 MM
2.	M	MUNICIPAL WATER SUPPLY	900 MM
3.	[Symbol]	CATCH PIT	Starting Depth as per drawing
4.	[Symbol]	CHAMBER FOR ELECTRICAL & LV. CABLES OUTLET)	600 MM.



Rev. No.	Date	Revision
R0	21.01.2026	ISSUED FOR G.F.C.

Project : **PLOTTED DEVELOPMENT SAHARANPUR**

Title : **13 M. WIDE ROAD SECTION**

Subtitle : **ROAD SERVICES LAYOUT**

Drawing Released For :
 APPROVAL SUBMISSION
 ADVANCE COPY CONSTRUCTION

Drg. No : **CES / SAHARANPUR / ROAD-01**

Scale : **1:50** Drawn By : **S.Bhandari**

Date : **20.01.2026** Design By : **Tariq Salam Ansari**

Ckd By : **Anand Havelia**

architects
Confluence
 NEW DELHI, INDIA
 B-421, NFC Ph. +91-11-28925684 ccs@inconfluence.com Member of IGBC NLD-05,INDIA Ph. +91-11-40584788 www.inconfluence.com ISO - 9001 : 2000 architecture urban design hospitality interiors

services consultant
Cespl Consultants Pvt. Ltd.
 cespl B - 67, Sector - 67, Noida - 201 301 Tel : (0120) 3225400 / 3225401 e mail : mail@cespl.in, website : www.cespl.in

For LUMORA ESTATES PRIVATE LIMITED
 Director

GOOD FOR CONSTRUCTION
 22 JAN 2026
 Cespl Consultants Pvt. Ltd.

DETAILS OF DRAIN LINES

Catch Pit No.	Length	Dia.	Slope	C.P. Top Level		Depth	C.P. Top Level		Depth	
				Upper End	Lower End		Upper End	Lower End		
From	To	(m)	1 in	(m)	(m)	(m)	(m)	(m)	(m)	
D1	D2	26	250	50	99.46	98.16	1.30	98.99	97.64	1.35
D2	D3	56	250	30	98.99	97.64	1.35	97.08	95.77	1.31
D3	D6	57	250	80	97.08	95.77	1.31	96.39	95.06	1.33
D4	D5	43	250	350	95.75	94.45	1.30	96.01	94.33	1.68
D5	D6	48	250	400	96.01	94.33	1.68	96.39	94.21	2.18
D6	D7	77	300	400	96.39	94.21	2.18	95.90	94.01	1.89
D7	D8	41	300	400	95.90	94.01	1.89	95.70	93.91	1.79
D8	D9	39	400	600	95.70	93.91	1.79	95.40	93.85	1.55
D9	D11	88	400	600	95.40	93.85	1.55	95.10	93.70	1.40
D10	D11	47	250	80	95.60	94.30	1.30	95.10	93.71	1.39
D11	D12	71	500	600	95.10	93.60	1.50	94.95	93.46	1.47
D12	D17	56	500	500	94.95	93.48	1.47	94.80	93.37	1.43
D13	D14	54	250	70	96.00	94.70	1.30	95.20	93.93	1.27
D14	D16	21	250	100	95.20	93.93	1.27	95.00	93.72	1.28
D15	D16	40	250	50	95.35	94.05	1.30	95.00	93.25	1.75
D16	D17	29	250	150	95.00	93.25	1.75	94.80	93.06	1.74
D17	D18	88	500	80	94.80	93.06	1.74	93.80	91.96	1.84
D18	D19	59	500	80	93.80	91.96	1.84	93.06	91.22	1.84
D19	D20	27	500	70	93.06	91.22	1.84	92.60	90.83	1.77
D20	D21	18	500	200	92.60	90.83	1.77	92.50	90.74	1.76
D21	D22	27	500	300	92.50	90.74	1.76	92.50	90.65	1.85
D22	OUT-1	10	500	300	92.50	90.65	1.85	92.50	90.62	1.88
D23	D24	56	250	300	94.37	93.17	1.20	95.00	92.98	2.02
D24	D25	49	250	300	95.00	92.98	2.02	95.30	92.82	2.48
D25	D26	52	250	300	95.30	92.82	2.48	95.50	92.65	2.85
D26	D27	41	250	300	95.50	92.65	2.85	94.50	92.51	1.99
D27	D28	33	250	350	94.50	92.51	1.99	94.27	92.42	1.85
D28	D29	42	300	400	94.27	92.42	1.85	93.70	92.31	1.39
D29	D30	48	300	400	93.70	92.31	1.39	93.40	92.19	1.21
D30	D31	13	300	400	93.40	92.19	1.21	93.40	92.16	1.24
D31	OUT-2	10	300	400	93.40	92.16	1.24	93.40	92.13	1.27
D32	D33	69	250	50	94.94	93.64	1.30	93.66	92.26	1.40
D33	D34	43	250	100	93.66	92.26	1.40	93.21	91.83	1.38
D34	D35	41	250	150	93.21	91.83	1.38	93.00	91.56	1.44
D35	RWH	5	250	150	93.00	91.56	1.44	93.00	91.52	1.48



LEGEND :

S. No.	SYMBOL	DESCRIPTION
1	CP	CATCH PIT
2	UGD	UNDERGROUND PIPE DRAIN
3	RC	ROAD CATCH PIT 450x300
4	RWH	RAIN WATER HARVESTING PIT (VILLA INSIDE)
5	RWH	RAIN WATER HARVESTING PIT
6	F.L.	FORMATION LEVEL
7	I.L.	INVERT LEVEL
8	C.L.	CONNECTION LEVEL
9	R.L.	ROAD LEVEL

- NOTES : DRAINAGE SYSTEM**
- The size of catchpit shall be as under (INNER SIZES)
 - a) 900 to 1650 mm depth: 900 mm dia.
 - b) Above 1650 mm depth: 1200 mm dia.
 - The levels of drainage lines has been worked out on the basis of certain ground level and for certain pipe lengths between two catchpits, the invert levels has to be strictly followed however, the slope of line may be slightly changed.
 - For any discrepancy / omission the matter should refer to the consultants before execution.
 - Catchpit shall be provided at following places -
 - a) At the start of each drain line.
 - b) At every junction and position where there is change of size, gradient and alignment.
 - c) At not more than 15 meter interval in straight length.
 - The structural design of catchpit / pipe bedding has to be done for local field conditions such as filled up soil / black cotton soil / high sub soil conditions.
 - The drawing shall be read along with the detailed landscape plan & ground floor plan of respective building for exact location of appearance / catchpit etc.
 - Drainage line under the road shall be executed with 150 mm dia. 1:2.4 allround.
 - Catchpit cover should be finished with finished formation level as per landscape drawing, the cover of catch pit shall be square as per appearance drawing & should be as-cast-in-place concrete.
 - This drawing shall be coordinated with other drawing i.e. architectural, structural, electrical, landscape & other relevant drawing.
 - Material of pipe: 150mm dia. PE-DAC PIPE (IS-4743:2016 Part 2, 400mm dia. above 300mm dia. PE-DAC PIPE).
 - In the areas subject to subsidence or filled up soil (due to -excavation at site for construction of basement) the drain lines & catchpit should be laid on suitable support or concrete grade supported on piles or suitable foundation as per structural design.
 - In case where drain line laid in high subsoil conditions catchpits should be constructed in R.C.C. grade m-25.
 - The width of trench for sewer and drainage should be 400mm (dia. of pipe).
 - Shoring / bracing should be adequate to prevent caving-in of the trench walls of subsidence of areas adjacent to the trench; an engineering arrangement in consultation with a structural engineer should provide adequate arrangement to prevent caving-in.
 - Before taking up the execution, the feasibility of connection of drain with the outside drainage may please be checked, any discrepancy may be reported to the consultant.

R-02	21.01.2026	Revised as per new landscape plan
R-01	16.12.2025	Revised as per new landscape plan
RO	05.08.2025	ISSUED FOR G.F.C.
Rev. No.	Date	Revision

Project : **PLOTTED DEVELOPMENT SAHARANPUR**

Title : **LAYOUT PLAN**

Subtitle : **EXTERNAL DRAINAGE SYSTEM**

Drawing Released For :
 APPROVAL SUBMISSION
 ADVANCE CDPLY CONSTRUCTION

Drg. No. : CES / PDS / PL-02
 Scale : 1:800 Drawn By : S. Bhandari
 Date : 21.01.2026 Design By : Tariq Saleem Ansari
 Ckd By : Anand Havella

architects
Confluence
 NEW DELHI, INDIA
 B-421, NCF Ph-05-11-20020204 con@confluence.com Member of IASCI
 R-3-BANGA Ph-01-1-4880788 www.confluence.com ISO - 9001 : 2000
 are@confluence.com urban design space@confluence.com interiors

services consultant
Cespi Consultants Pvt. Ltd.
 cespi B-57, Sector - 07, Noida - 201301
 Tel: 0120-3229491/3229491
 e-mail: cespi@cespi.in, website: www.cespi.in

For LUMORA
Himanshu Jaiswal
 Director

GOOD FOR CONSTRUCTION
 22 JAN 2026
 Cespi Consultants Pvt. Ltd.