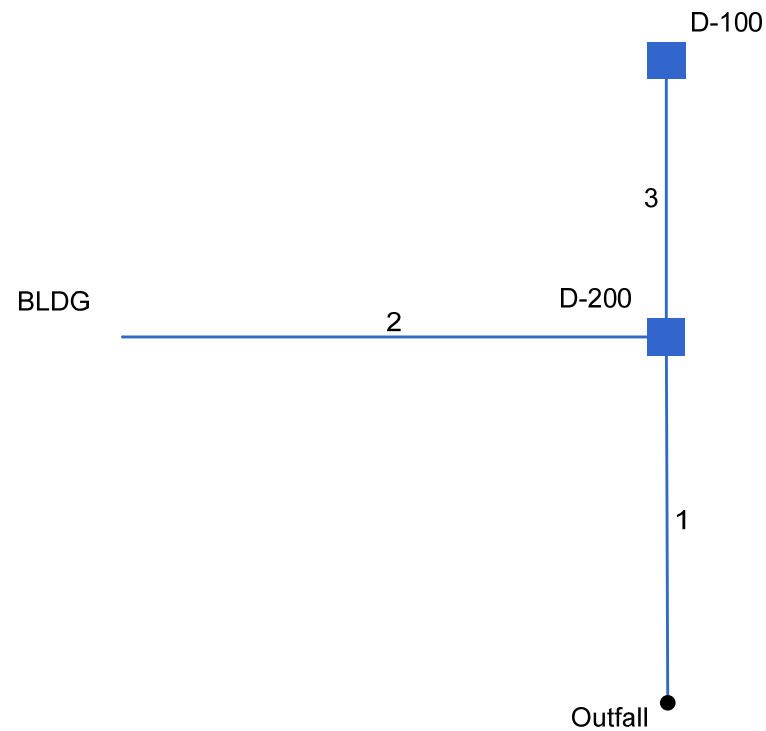
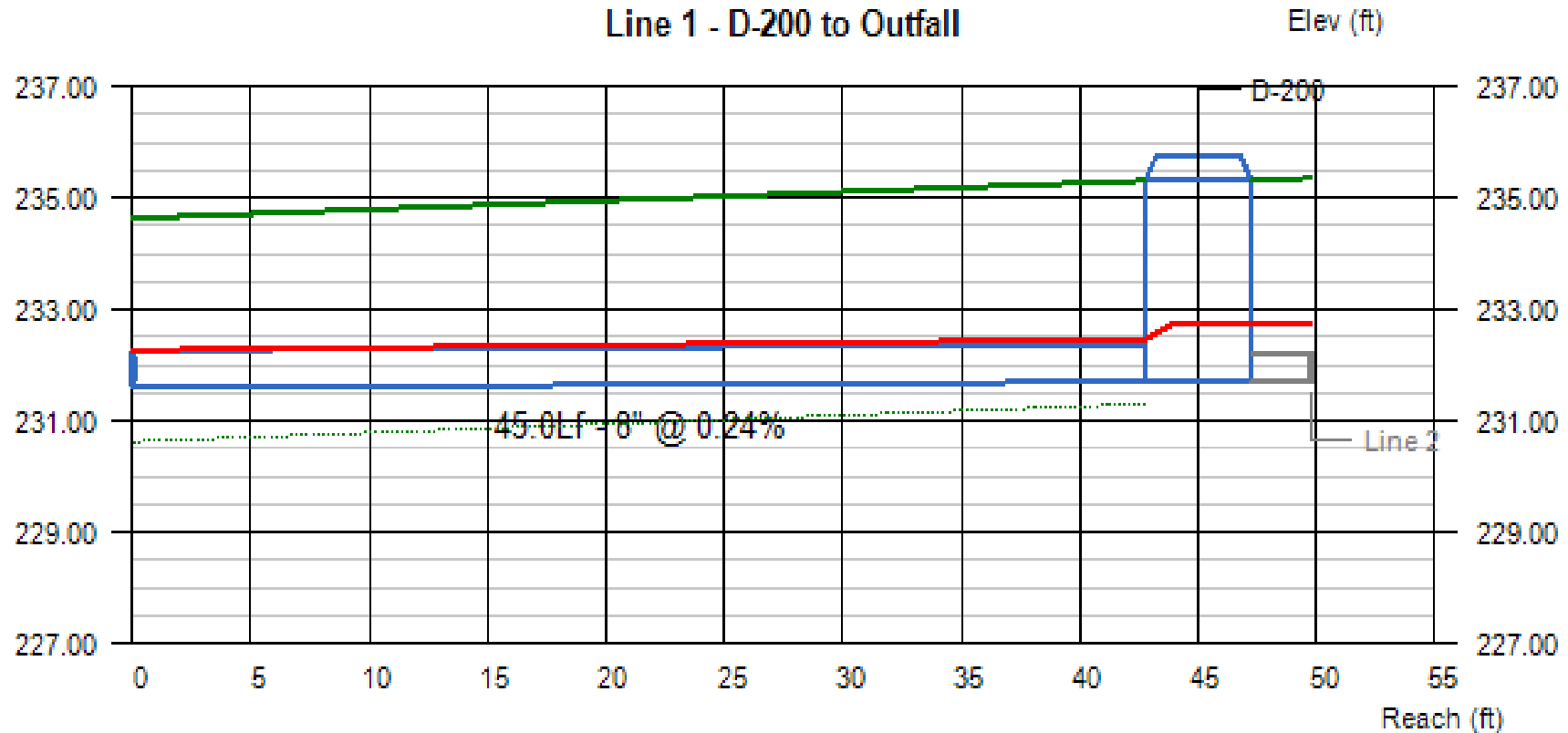


2022-09-01_Pipe Sizing



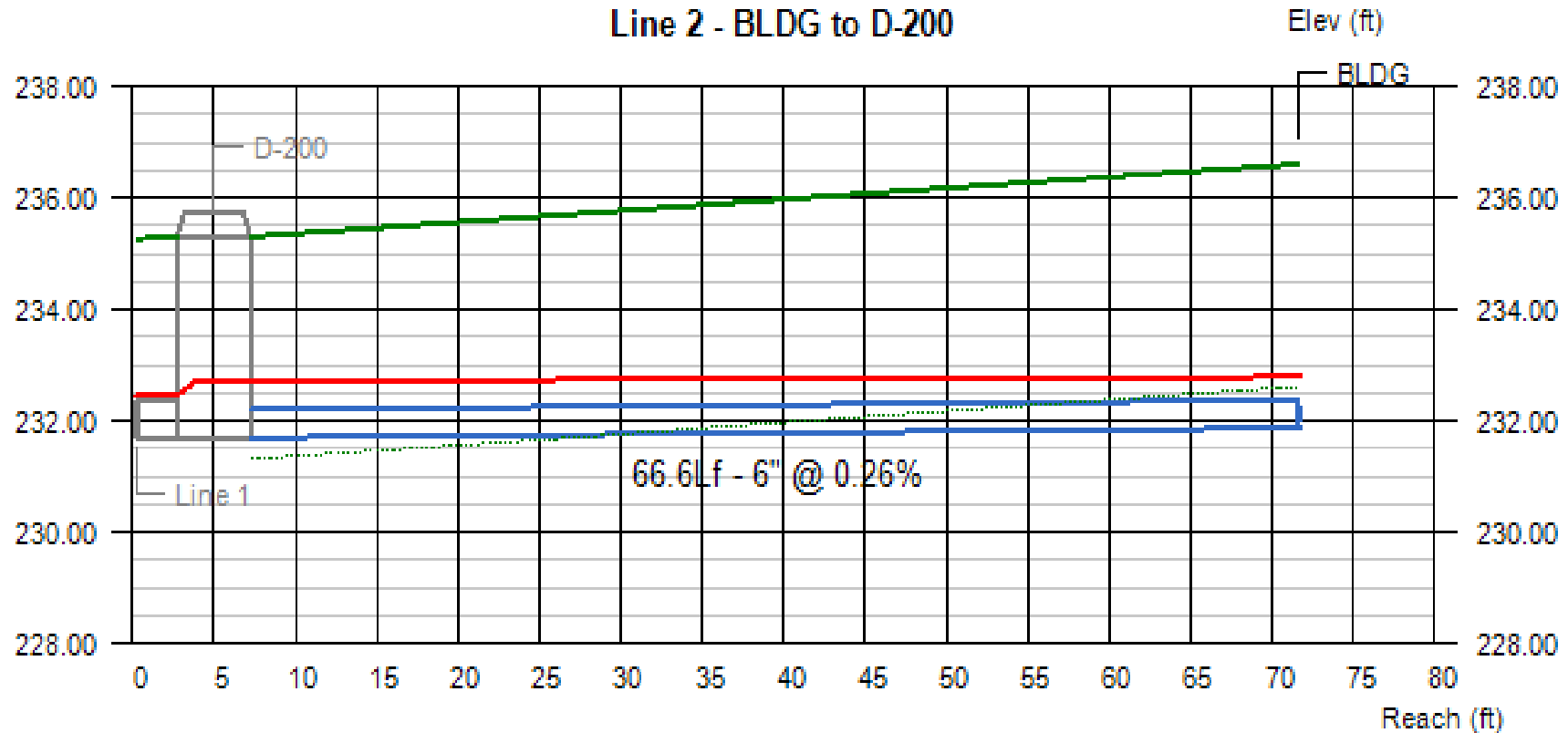
Line No.	Line ID	Invert Dn (ft)	Invert Up (ft)	Line Size (in)	Line Slope (%)	Flow Rate (cfs)	Vel Dn (ft/s)	Capac Full (cfs)	HGL Dn (ft)	HGL Up (ft)	Drng Area (ac)	Tc (min)	i Inlet (in/hr)	n-val Pipe	Gnd/Rim El Dn (ft)	Gnd/Rim El Up (ft)	Line Length (ft)	
1	D-200 to Outfall	231.59	231.70	8	0.24	1.16	3.31	0.86	232.26	232.46	0.03	6.8	6.80	0.009	234.63	235.30	45.0	
2	BLDG to D-200	231.70	231.87	6	0.26	0.27	1.37	0.41	232.71	232.79	0.04	6.0	6.80	0.009	235.30	236.61	66.6	
3	D-100 TO D-200	231.70	231.78	6	0.24	0.73	3.70	0.39	232.71	232.99	0.11	6.0	6.80	0.009	235.30	235.20	34.0	
2022-09-01_Pipe Sizing												Number of lines: 3				Date: 9/1/2022		
NOTES: Intensity = 54.90 / (Inlet time + 10.60) ^ 0.74 – Return period = 25 Yrs. ; ** Critical depth																		

Line Profile (Line 1) - D-200 to Outfall



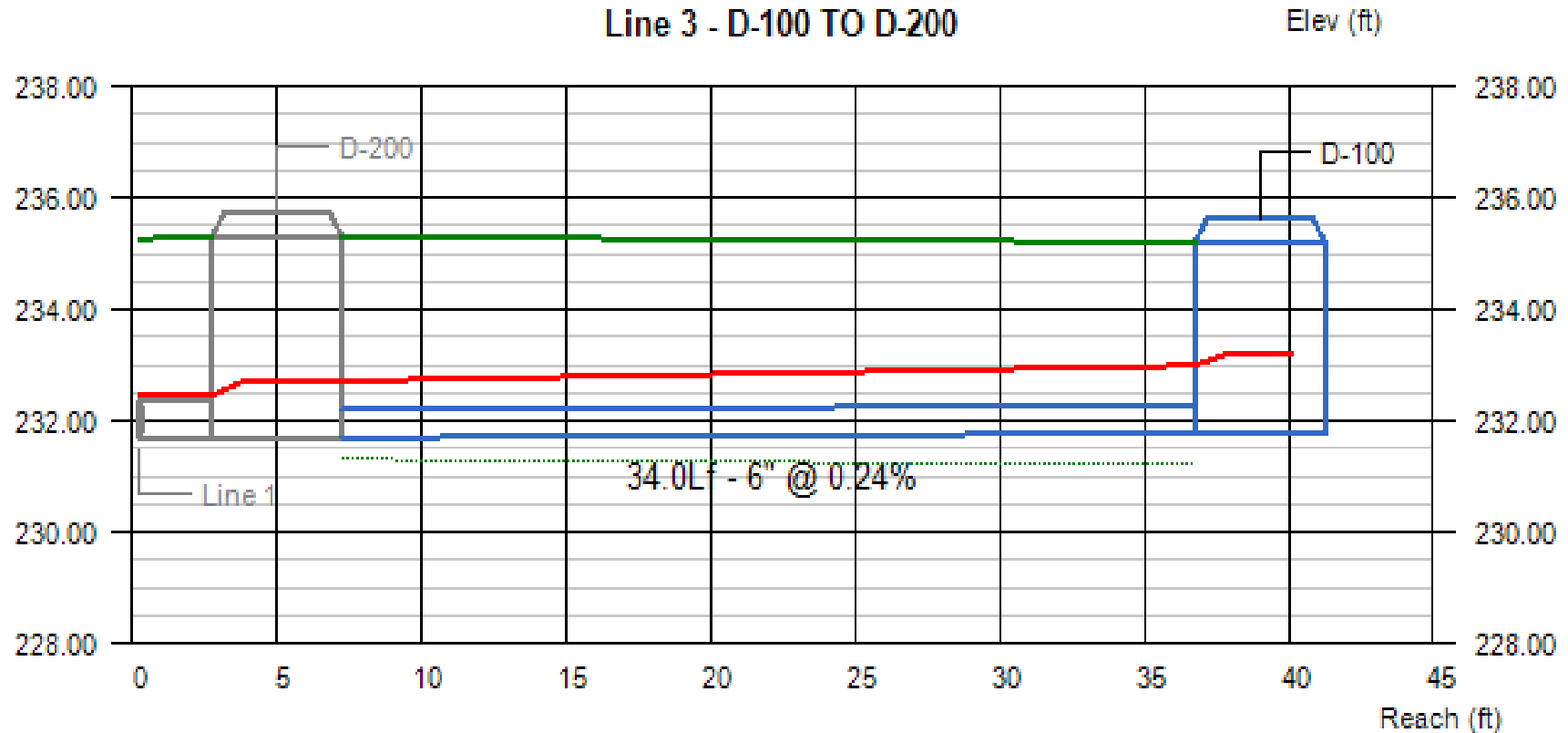
Line #	Q (cfs)	Invert Elevation		Depth of Flow			Hydraulic Grade Line			Velocity		Cover	
		Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Hw (ft)	Dn (ft)	Up (ft)	Jnct (ft)	Dn (ft/s)	Up (ft/s)	Dn (ft)	Up (ft)
1	1.16	231.59	231.70	0.67	0.67	1.01	232.26	232.46	232.71	3.31	3.31	2.37	2.93
2022-09-01_Pipe Sizing									No. Lines: 3		Run Date: 9/1/2022		

Line Profile (Line 2) - BLDG to D-200



Line #	Q (cfs)	Invert Elevation		Depth of Flow			Hydraulic Grade Line			Velocity		Cover	
		Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Hw (ft)	Dn (ft)	Up (ft)	Jnct (ft)	Dn (ft/s)	Up (ft/s)	Dn (ft)	Up (ft)
2	0.27	231.70	231.87	0.50	0.50	0.95	232.71	232.79	232.82	1.37	1.37	3.10	4.24
2022-09-01_Pipe Sizing								No. Lines: 3			Run Date: 9/1/2022		

Line Profile (Line 3) - D-100 TO D-200



Line #	Q (cfs)	Invert Elevation		Depth of Flow			Hydraulic Grade Line			Velocity		Cover	
		Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Hw (ft)	Dn (ft)	Up (ft)	Jnct (ft)	Dn (ft/s)	Up (ft/s)	Dn (ft)	Up (ft)
3	0.73	231.70	231.78	0.50	0.50	1.42	232.71	232.99	233.20	3.70	3.70	3.10	2.92
2022-09-01_Pipe Sizing									No. Lines: 3		Run Date: 9/1/2022		