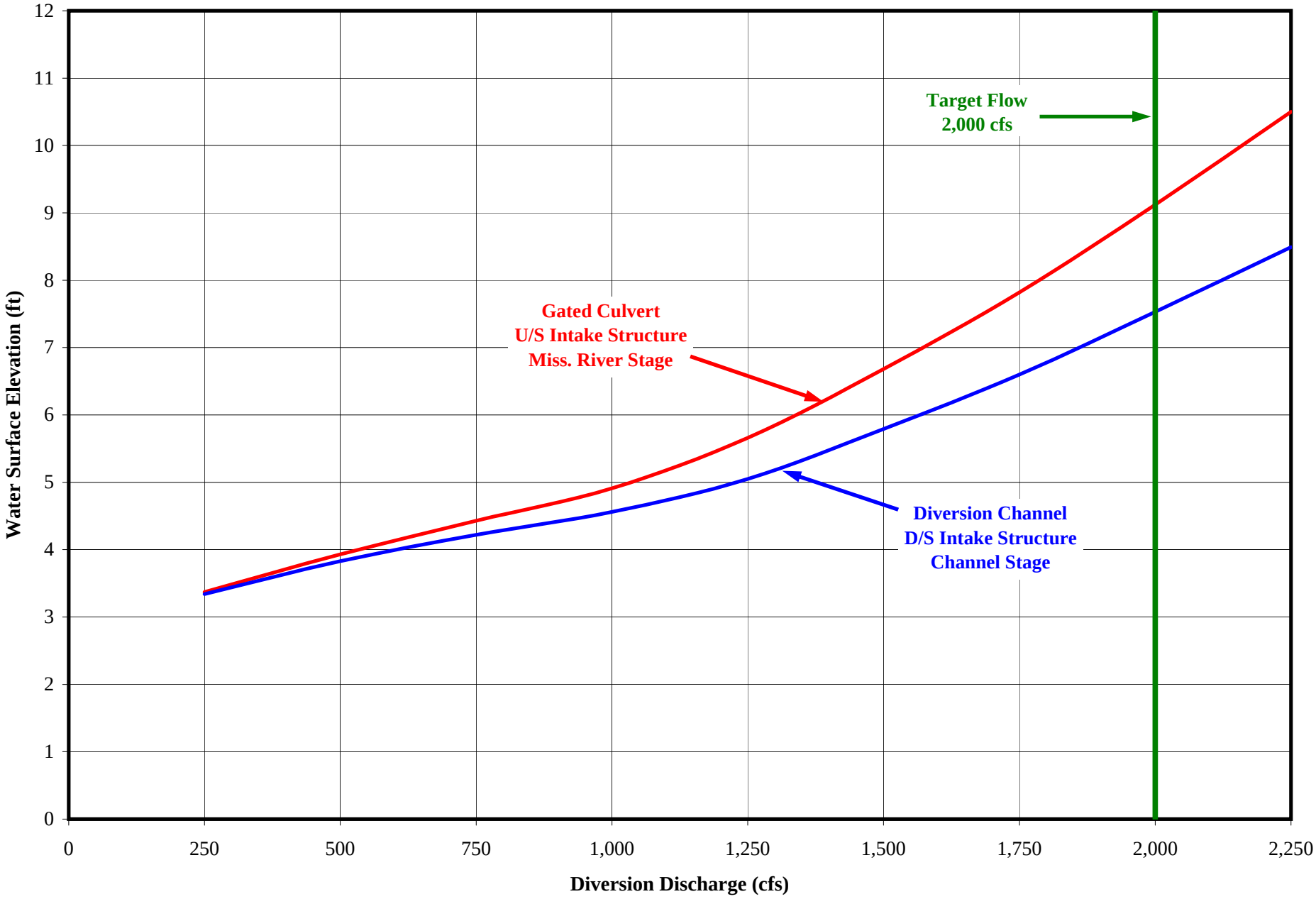

Figure 1 - Hydraulic Rating Curves for Gated Culvert & Diversion Channel

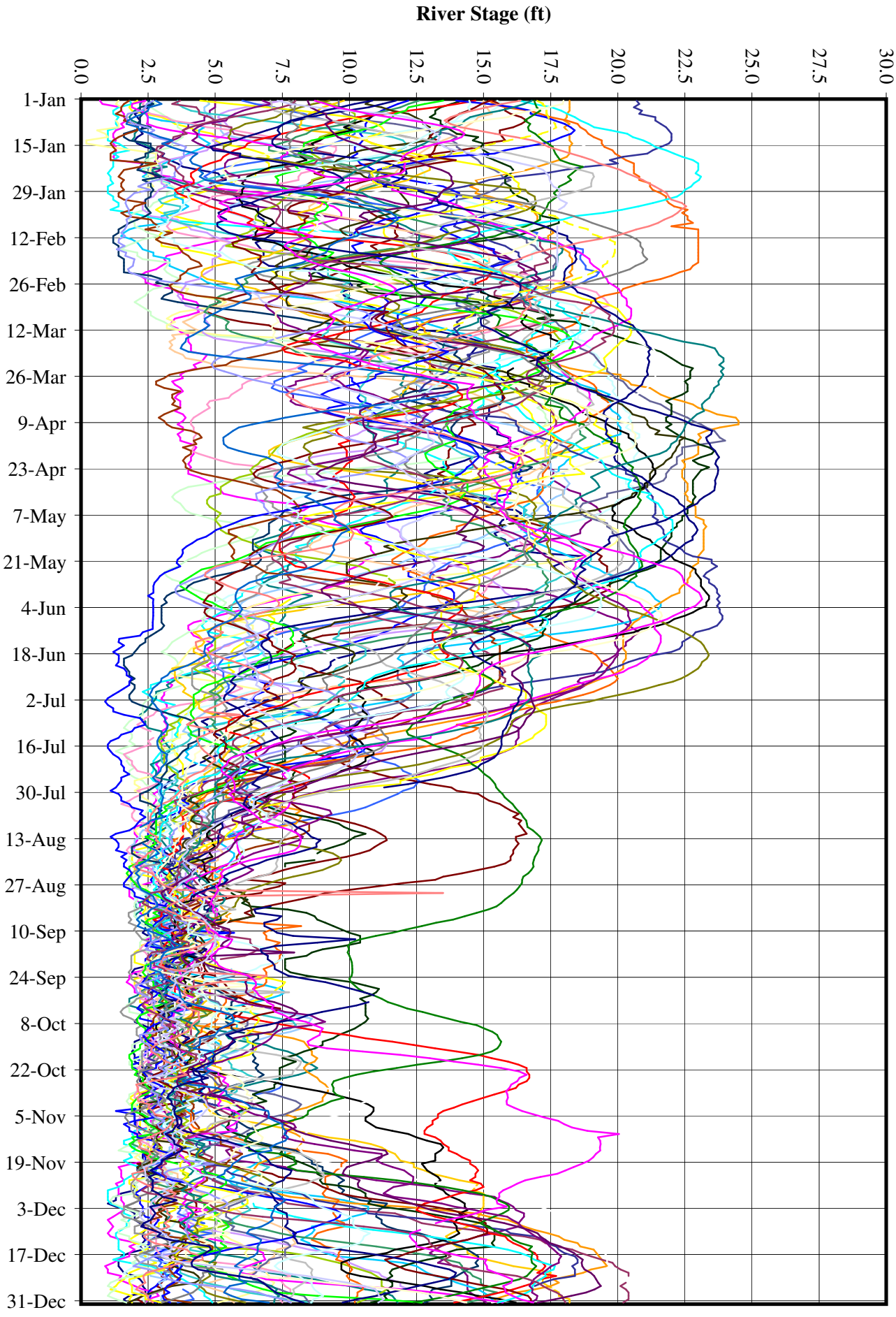

Figure 2 - Mississippi River Historical Stages at Reserve Gage (1953 - 2010)

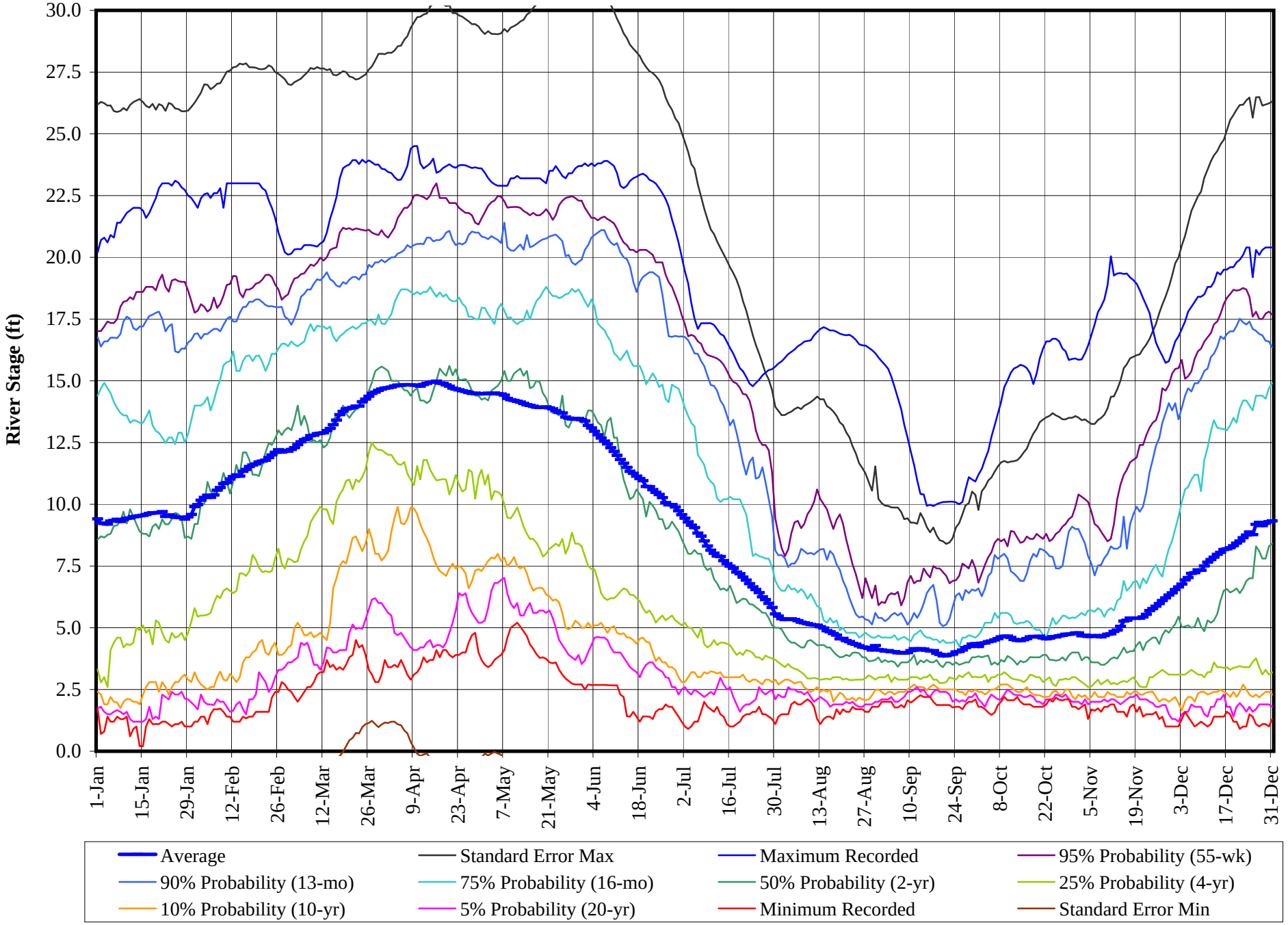

Figure 3 - Statistical Annual Curves for Historical Mississippi River Stages

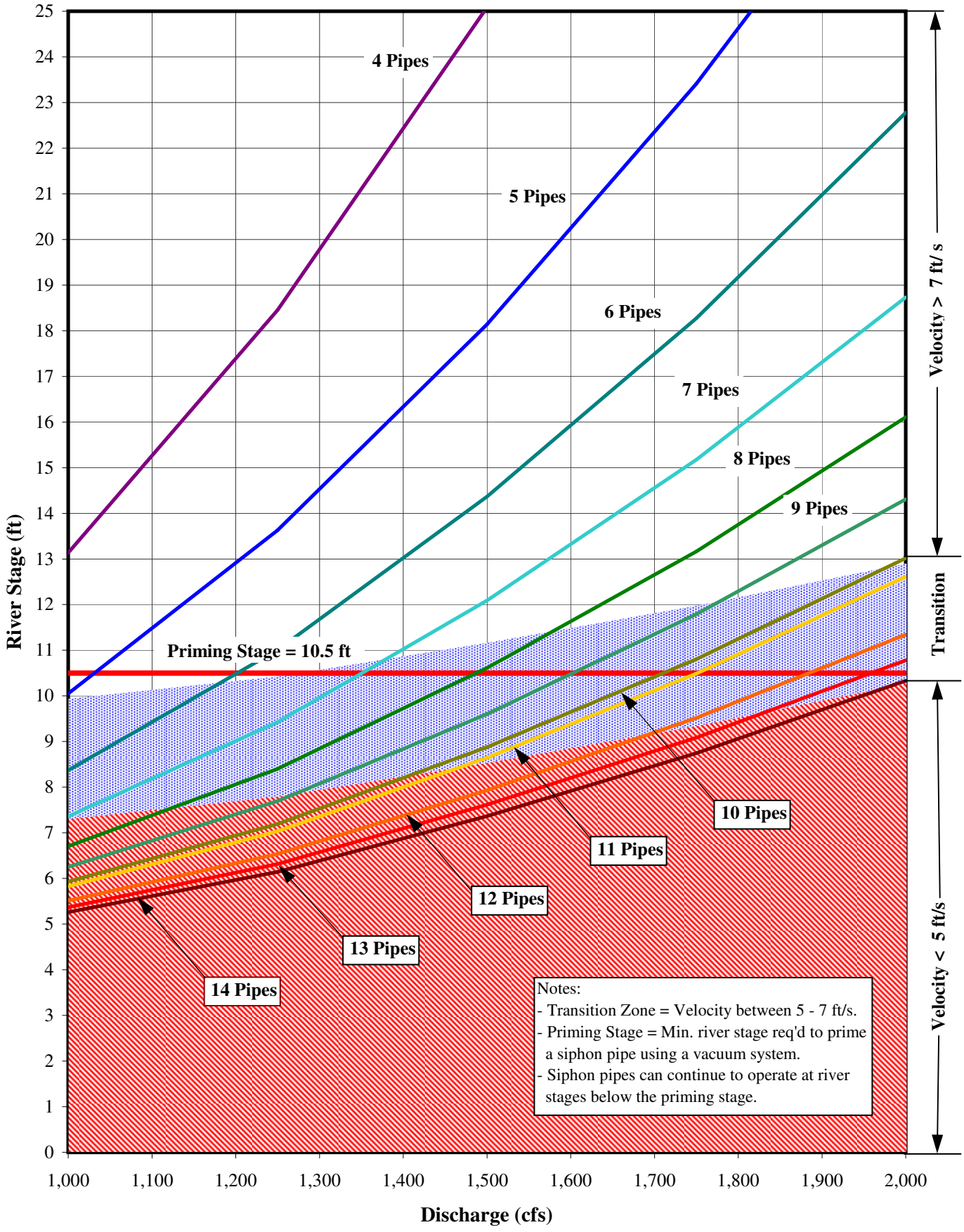

Figure 4 - Hydraulic Rating Curves for Vacuum Siphon by No. Pipes

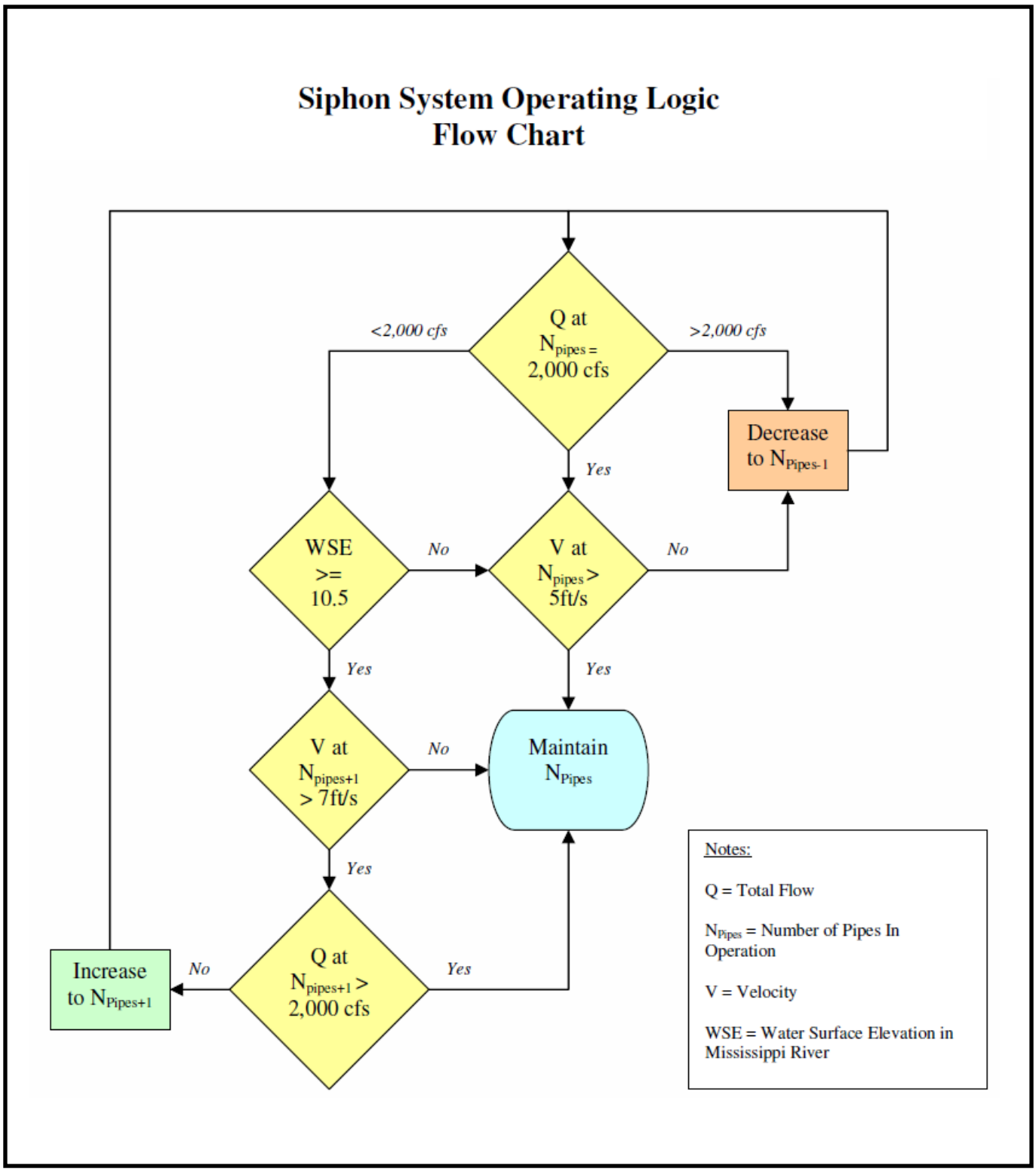

Figure 5 – Vacuum Siphon System Logic Diagram

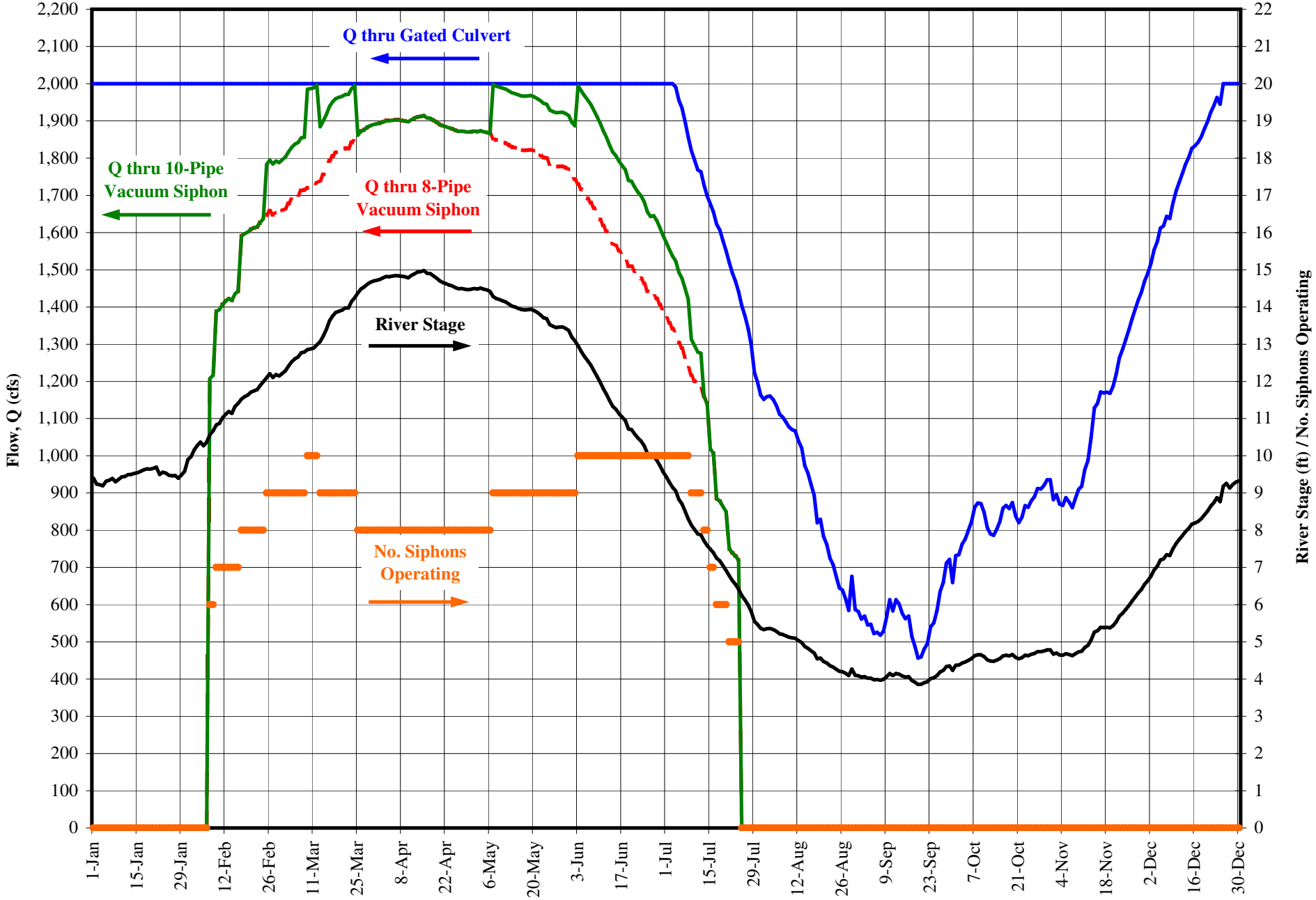

Figure 6 - Average River Year Flows for Vacuum Siphon & Gated Culvert Systems

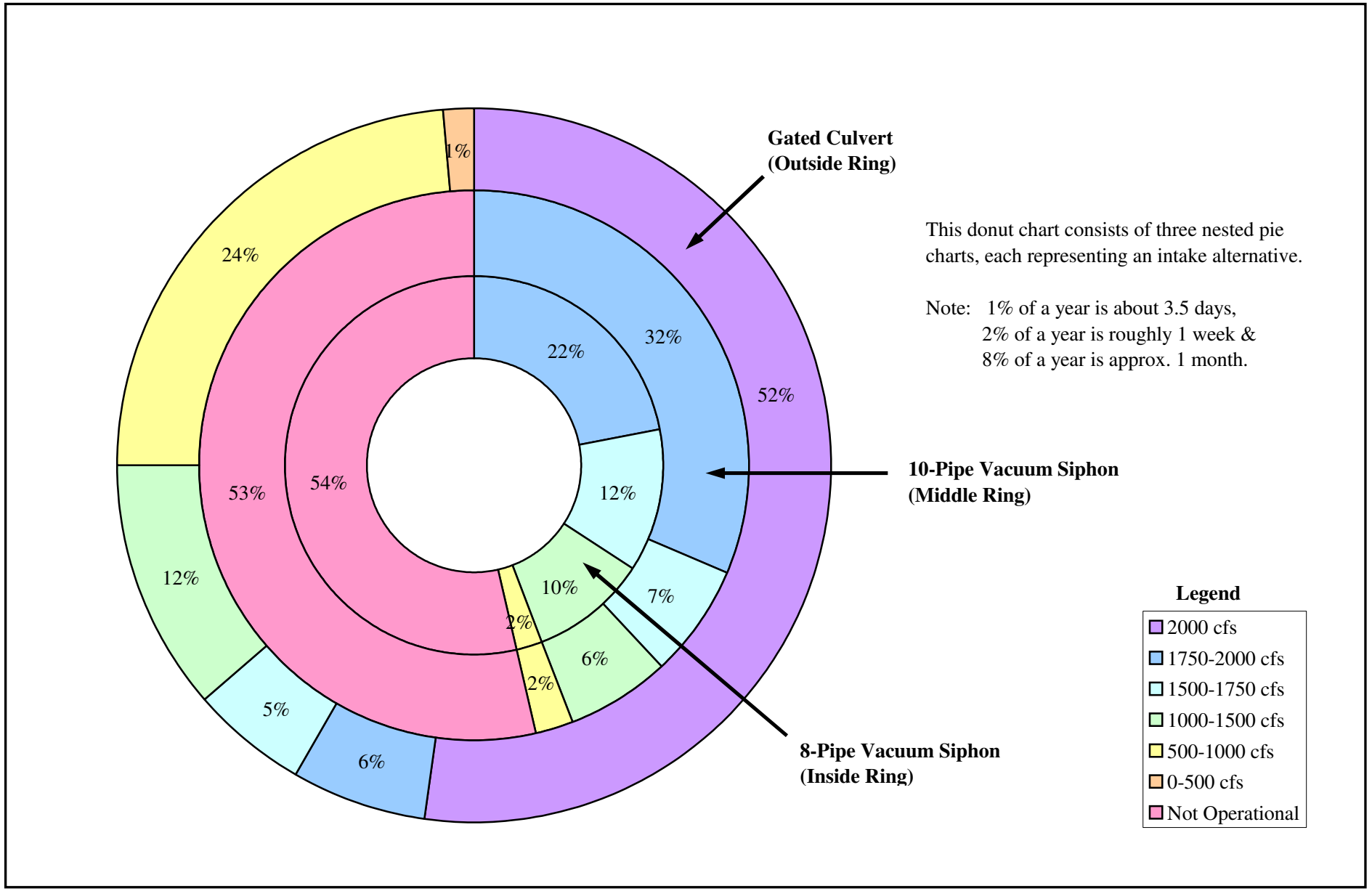

Figure 7 - Operational Time & Flow of 8- and 10-Pipe Vacuum Siphons vs Gated Culvert

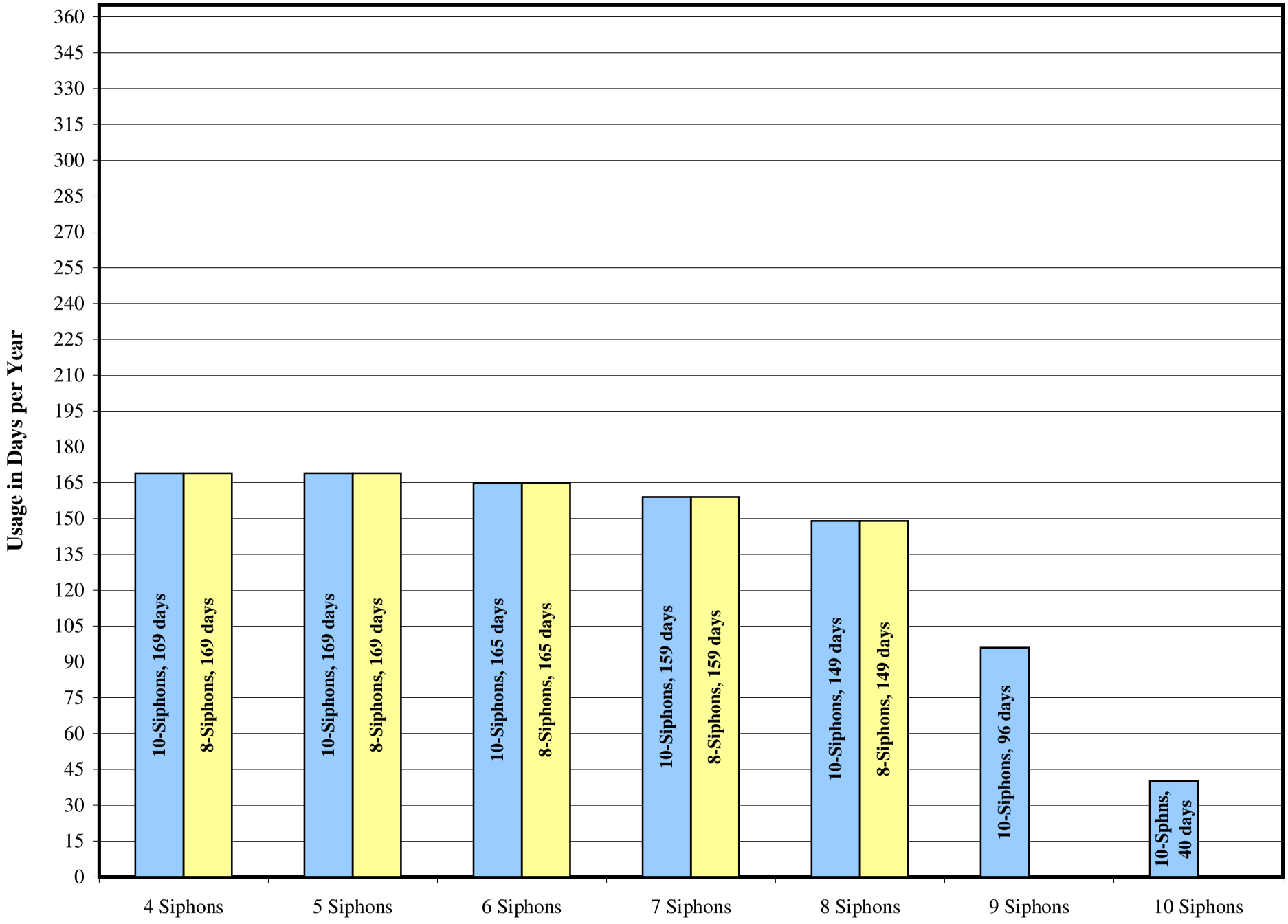

Figure 8 - Days of Use for each Vacuum Siphon Pipe during the Average River Year

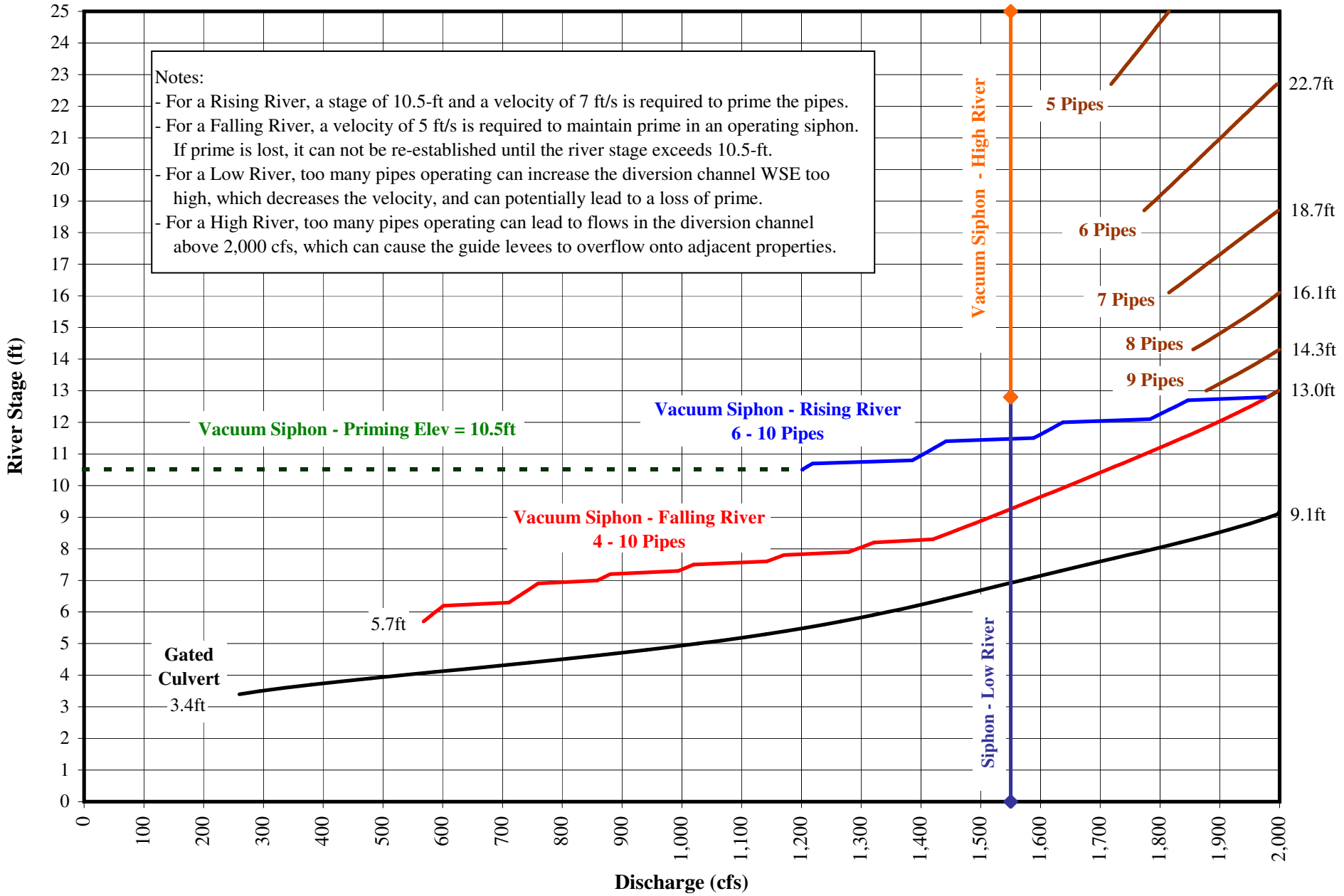

Figure 9 - Hydraulic Rating Curves for 8- & 10-Pipe Vacuum Siphons and Gated Culvert

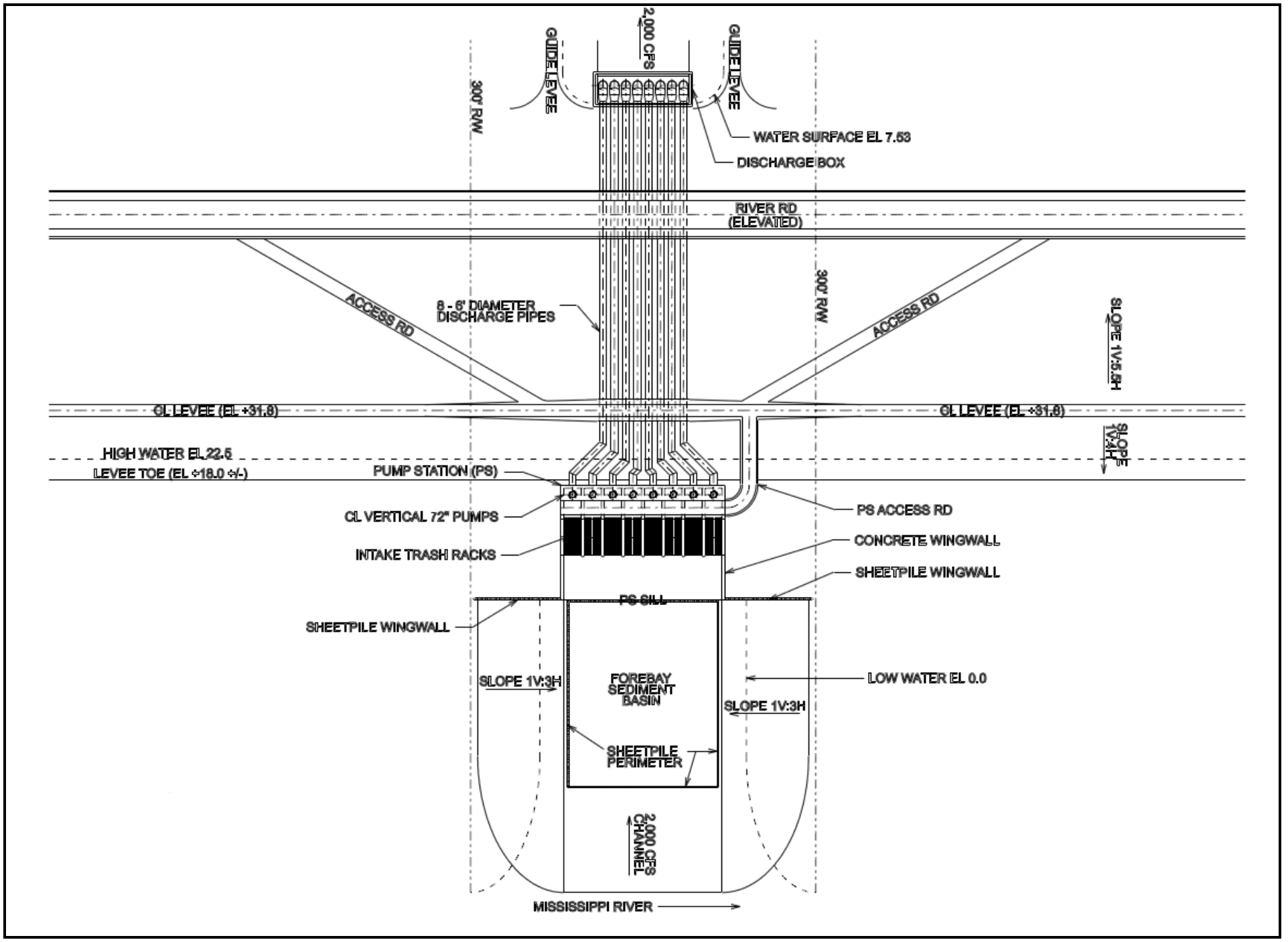

Figure 10 – Overview of Pumped Siphon System Layout

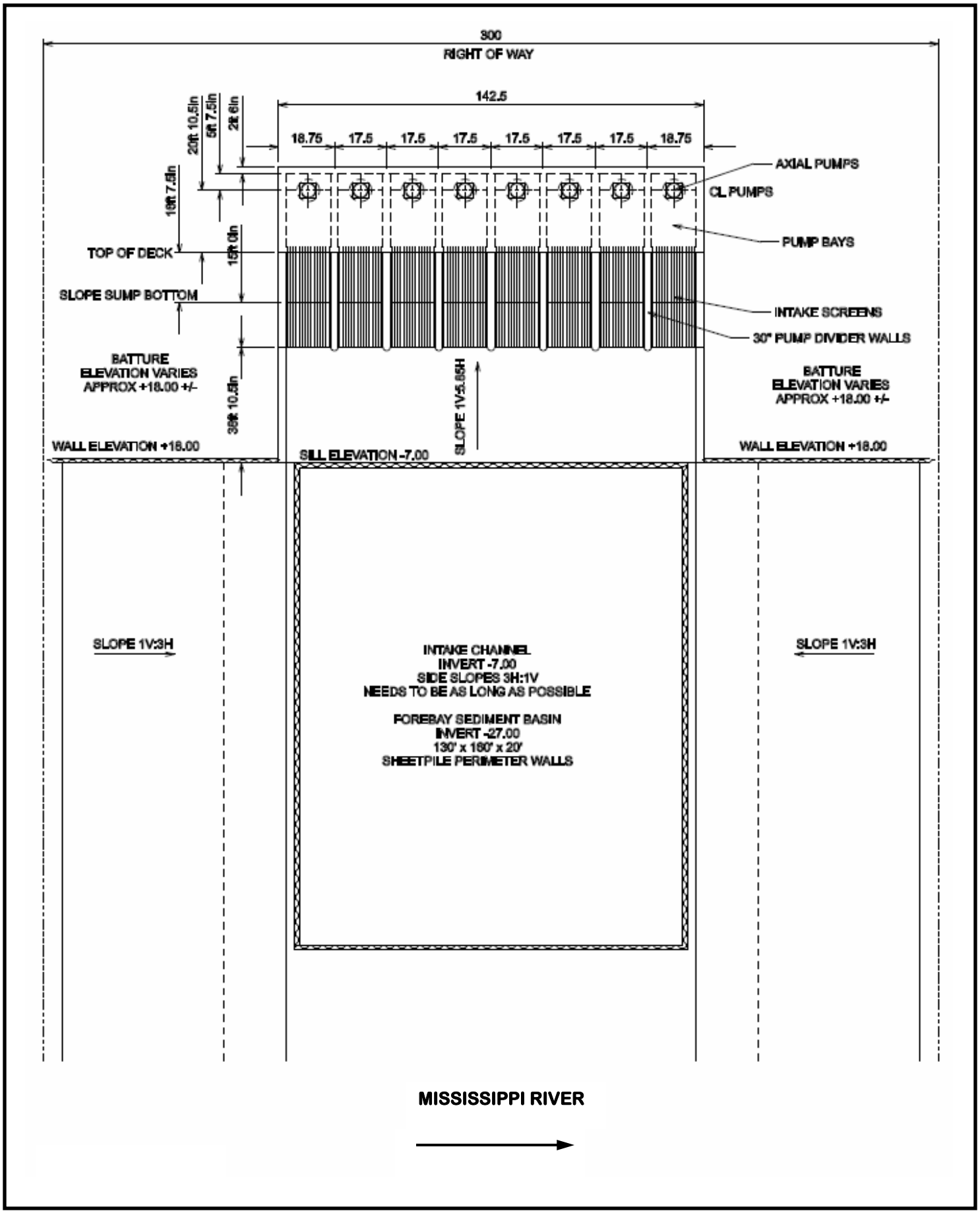

Figure 11 – Forebay Intake & Sediment Basin

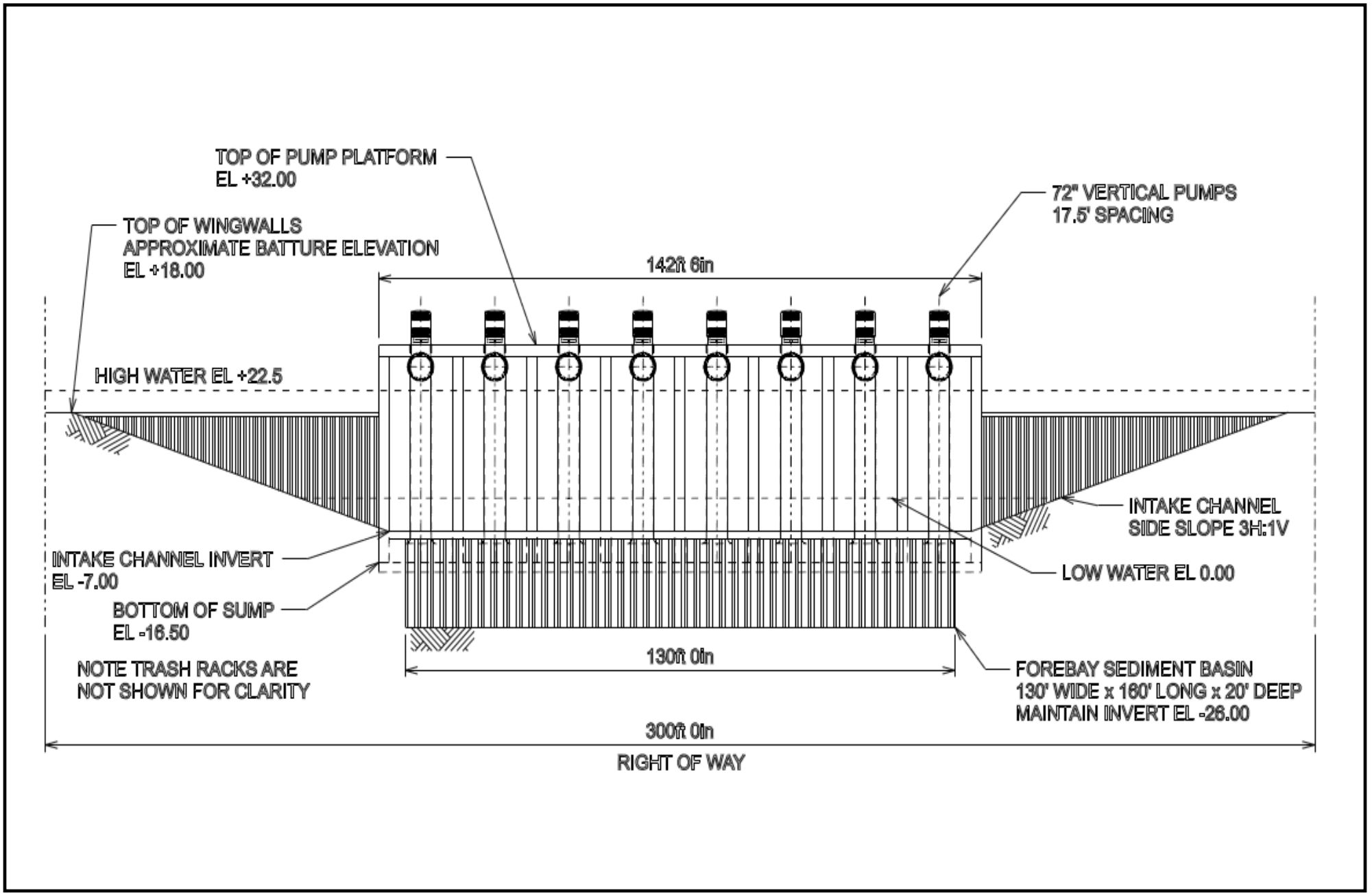

Figure 12 –Pump Station Transverse Section

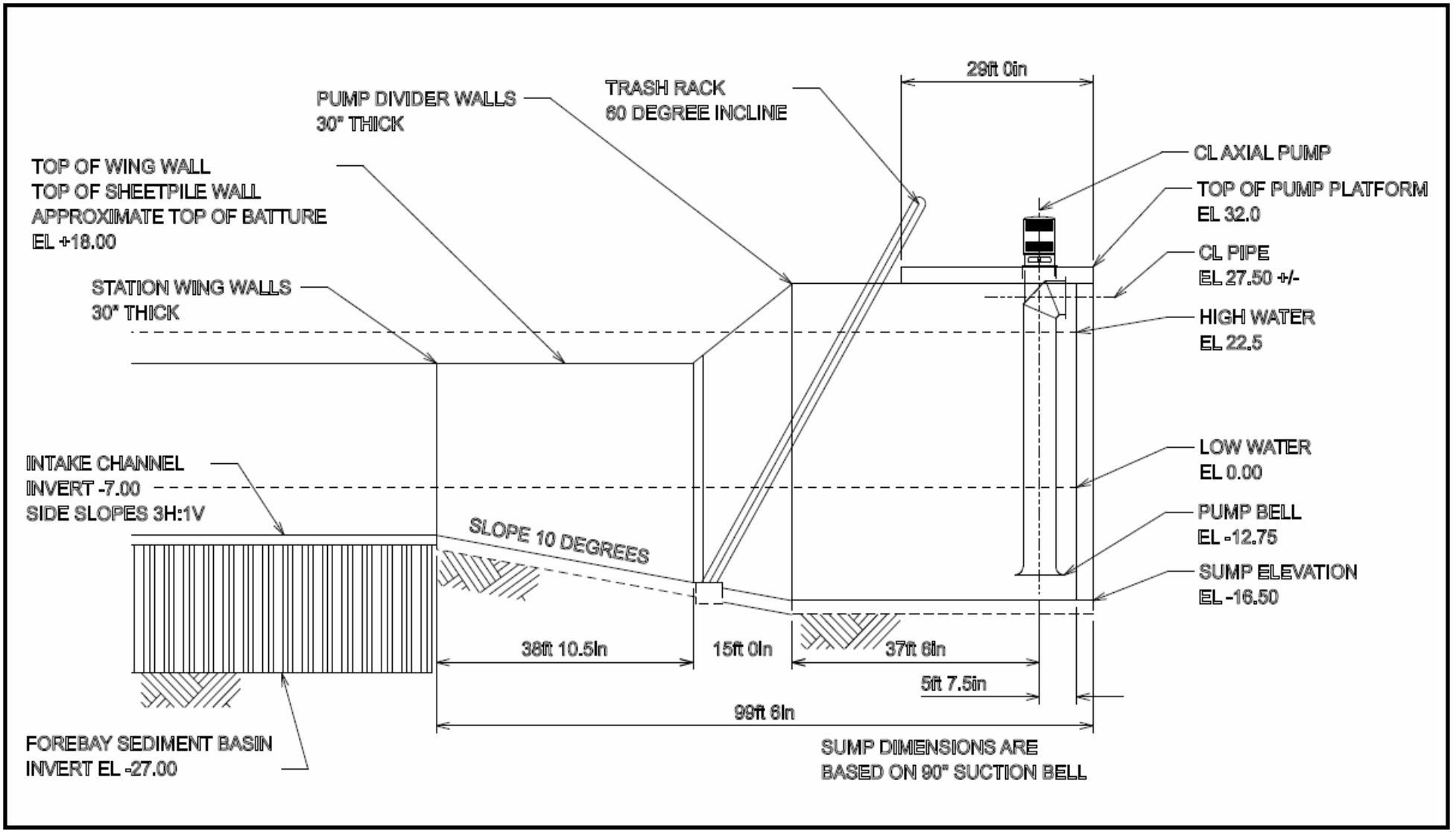

Figure 13 – Pump Station Longitudinal Section

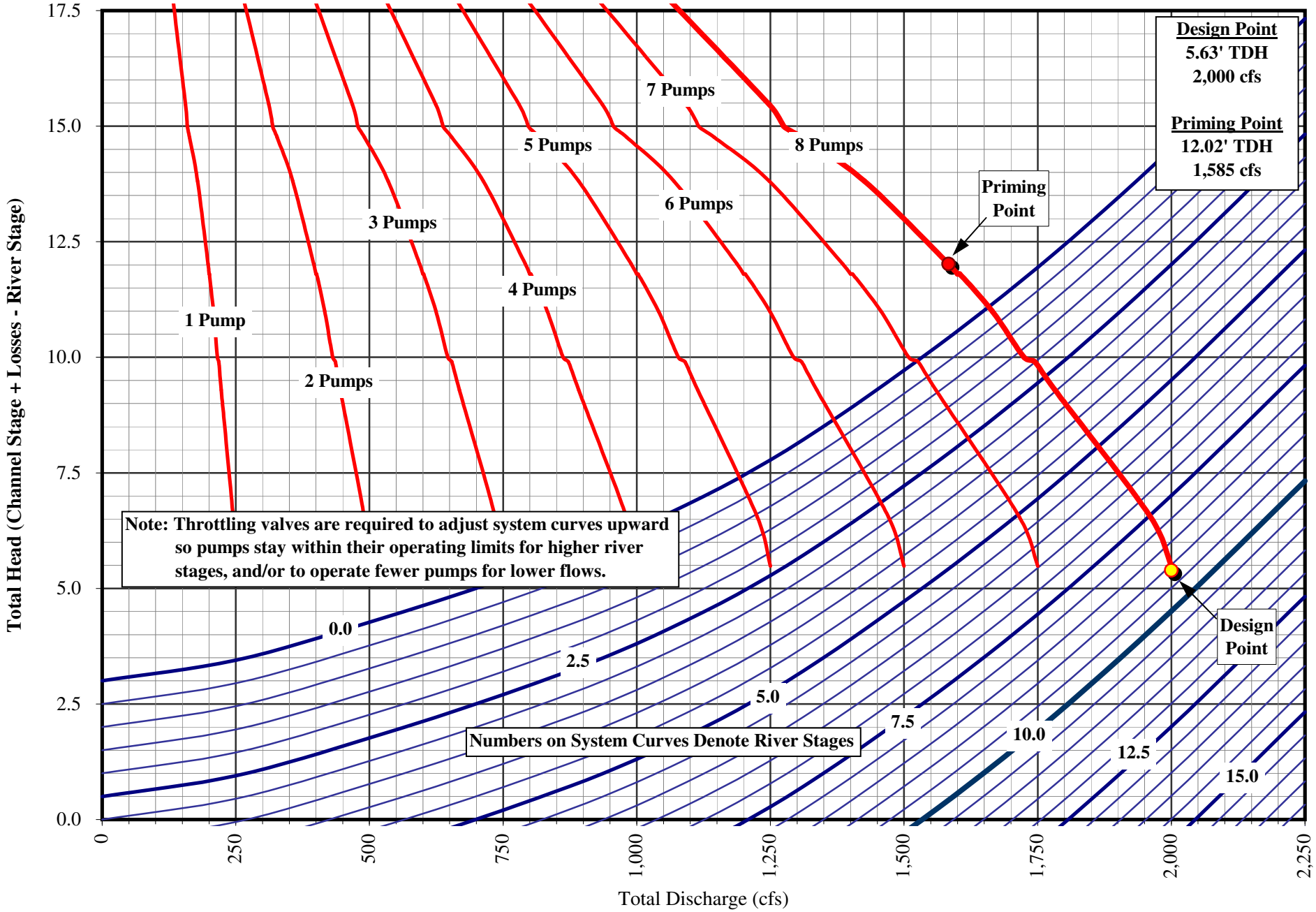

Figure 14 - Pumped Siphon Pump & System Curves

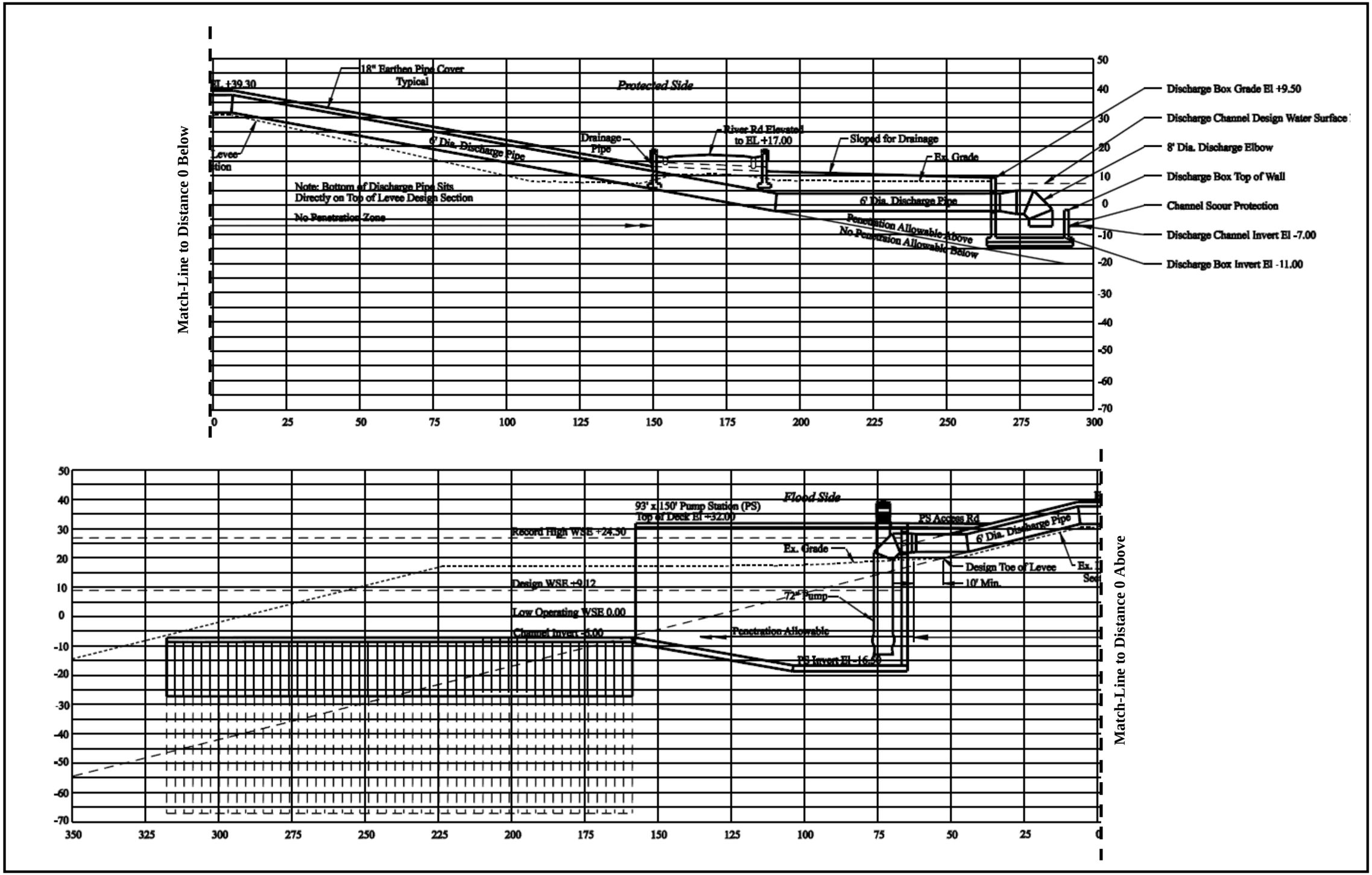

Figure 15 – Profile of Levee and Roadway Pipe Crossing

Figure 16 – Aerial Image of Right-of-Way & Roadway Work Zone

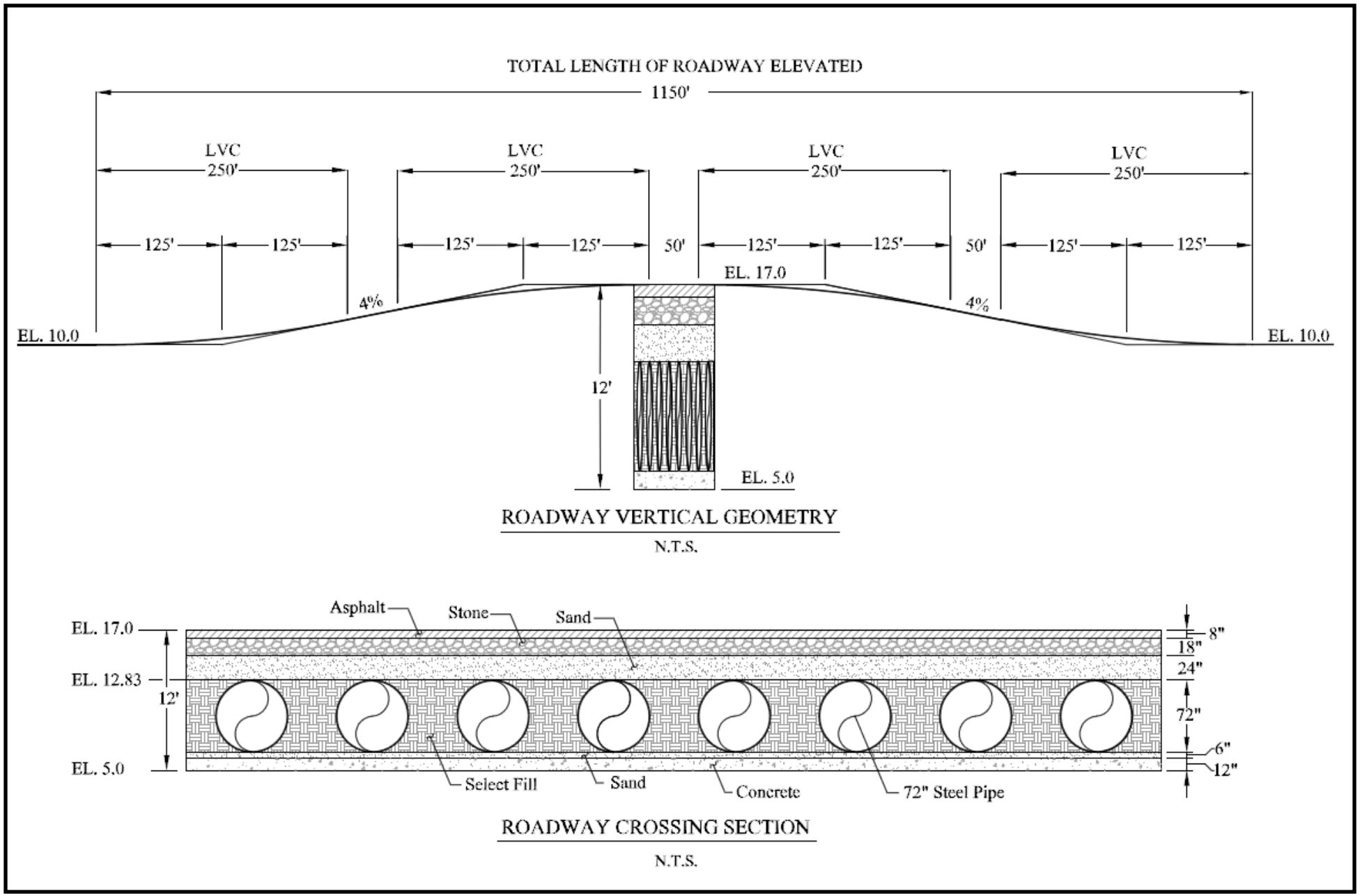

Figure 17 – Roadway Crossing Section & Vertical Geometry