

Tibbetts Brook Daylighting Project

Tibbetts Advisory Group Meeting #6

December 20, 2023



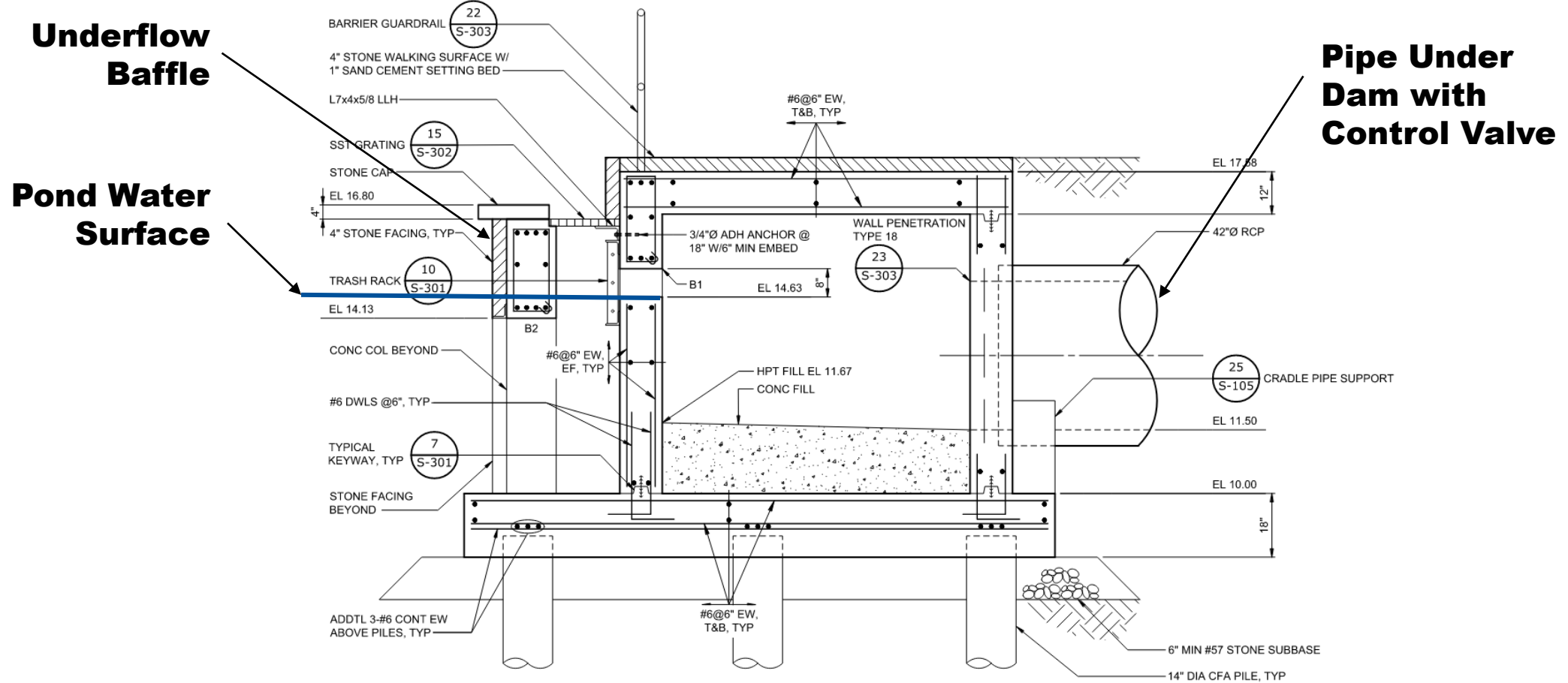
Agenda

- Hester and Pierro's Mill Pond Side Weir Design

Goals of Side Weir Design

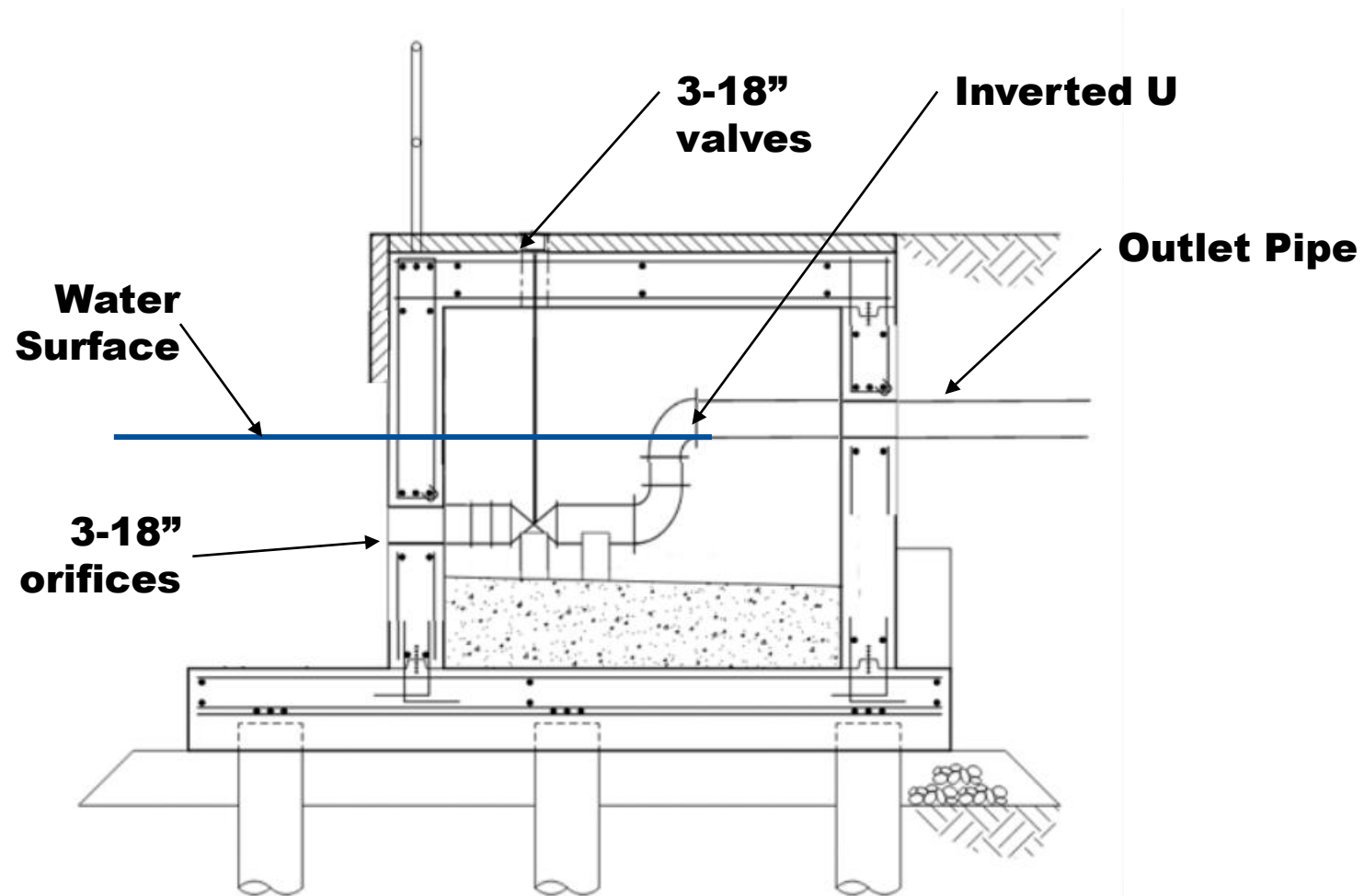
- Allow for diversion of dry weather flow and some wet weather flow to the new stream
- Provide valve control on flows to the new stream to allow for shut off if necessary for maintenance, and provide additional flow control to limit excess flows from the pond
- Provide floatables control to limit vegetation and debris from flowing into new stream

Side Weir - Current Design



SECTION A
 1/2" = 1'-0" S-104

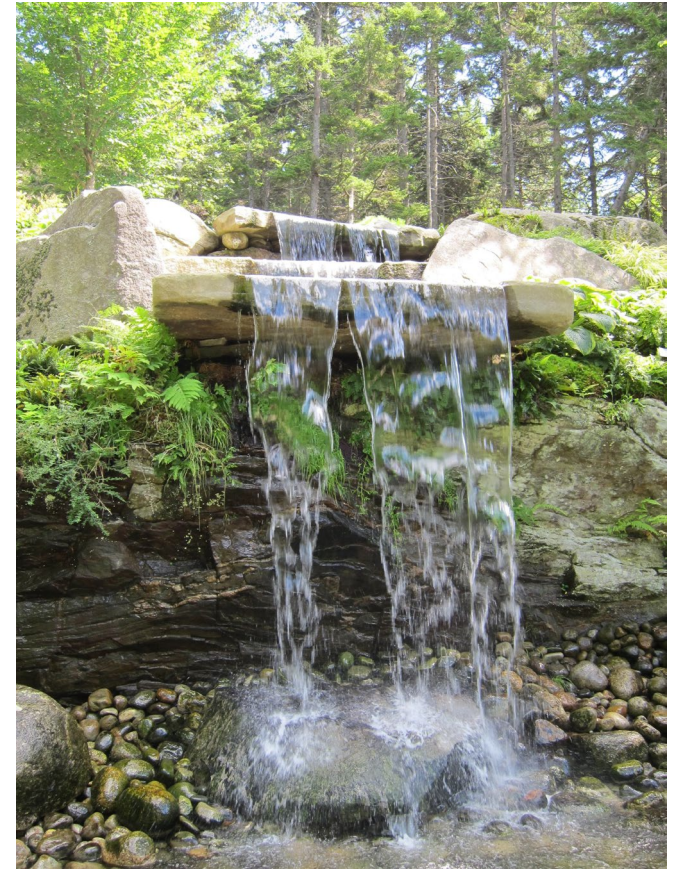
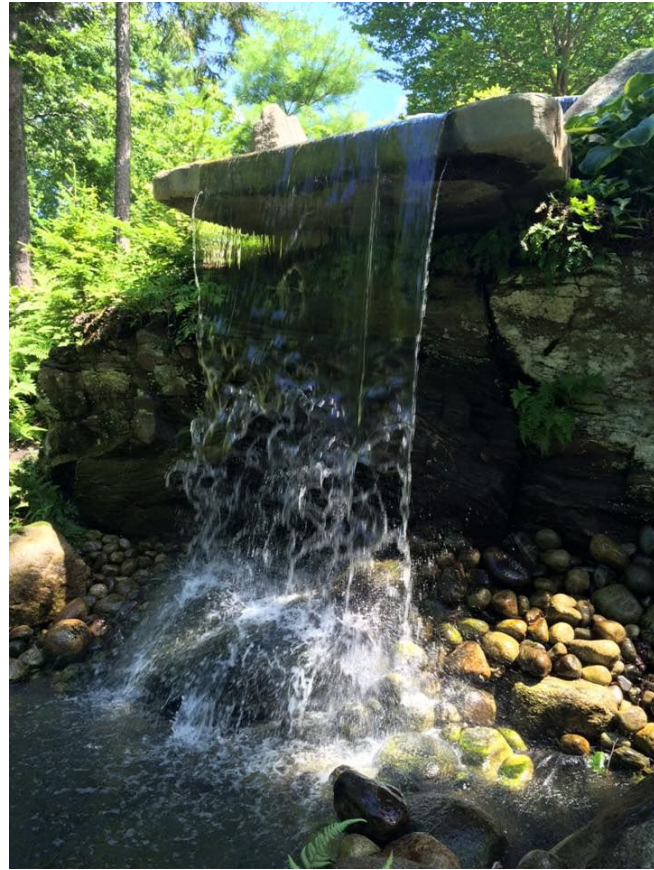
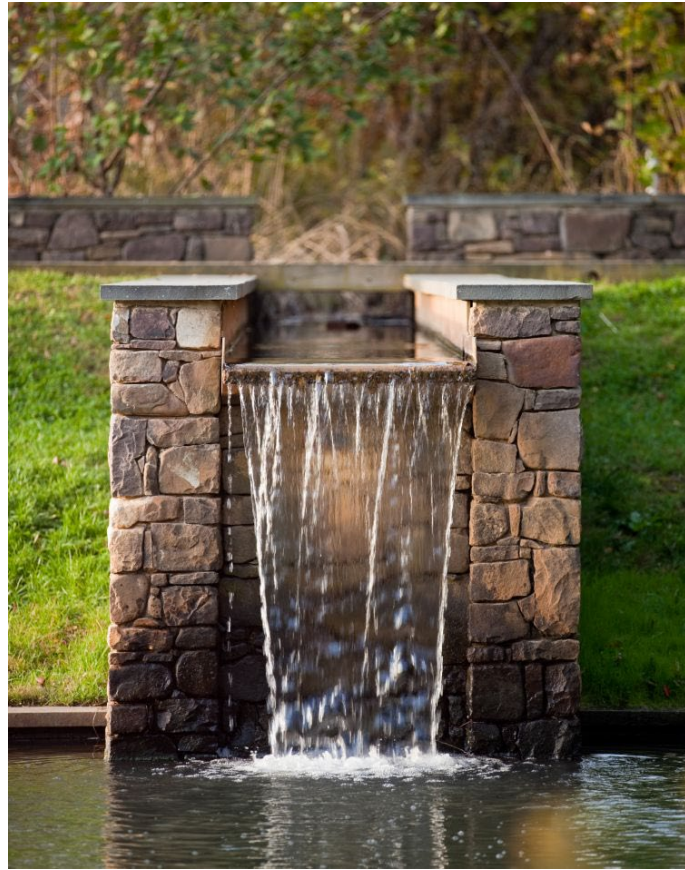
Side Weir – Potential Modifications



Side Weir Modifications - Waterfall



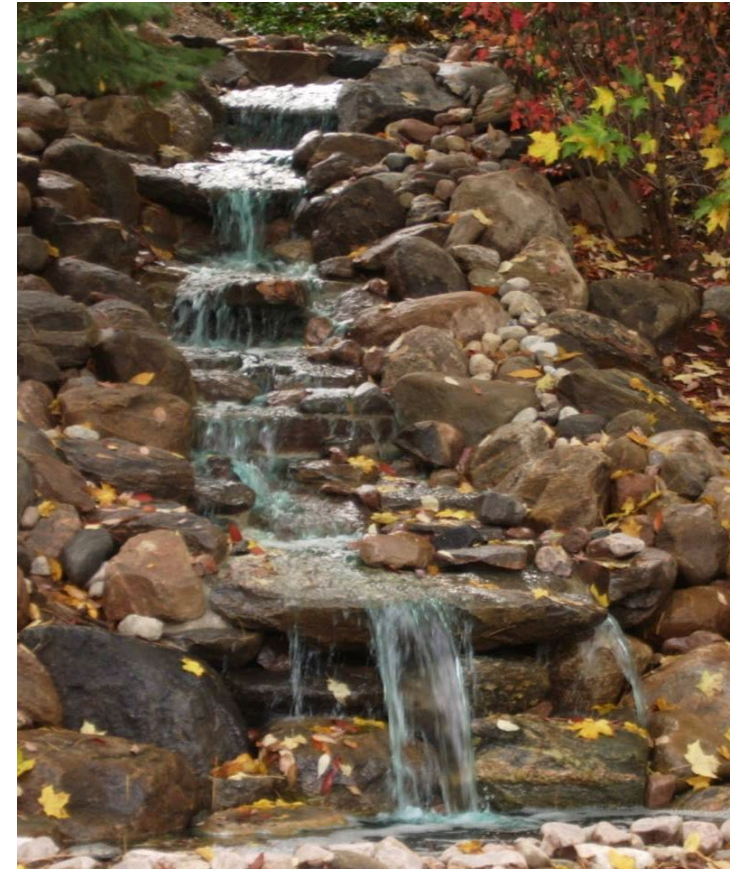
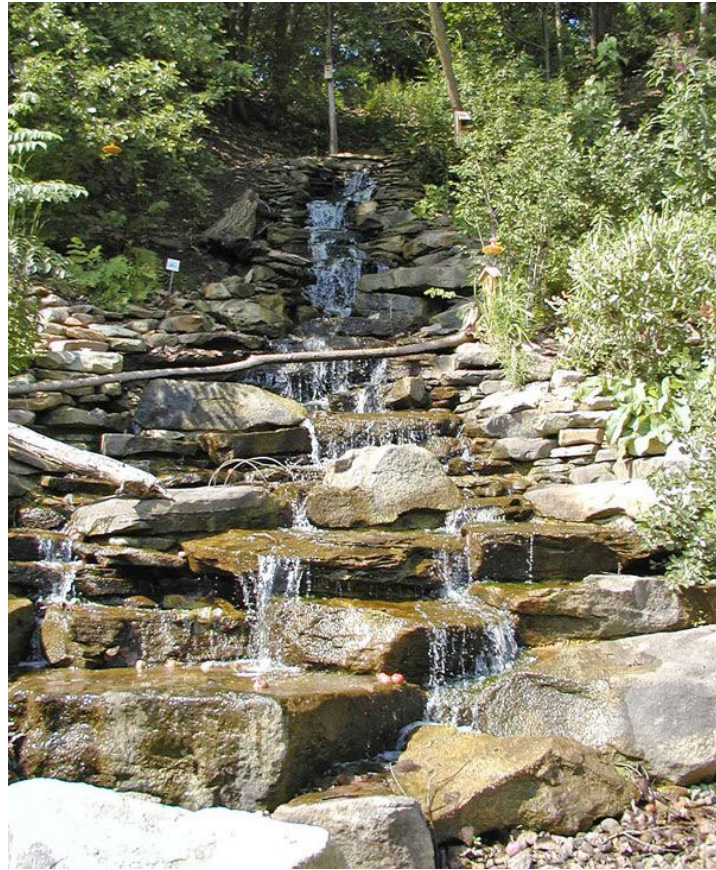
Precedent Imagery - Waterfall



Side Weir Modifications - Cascade



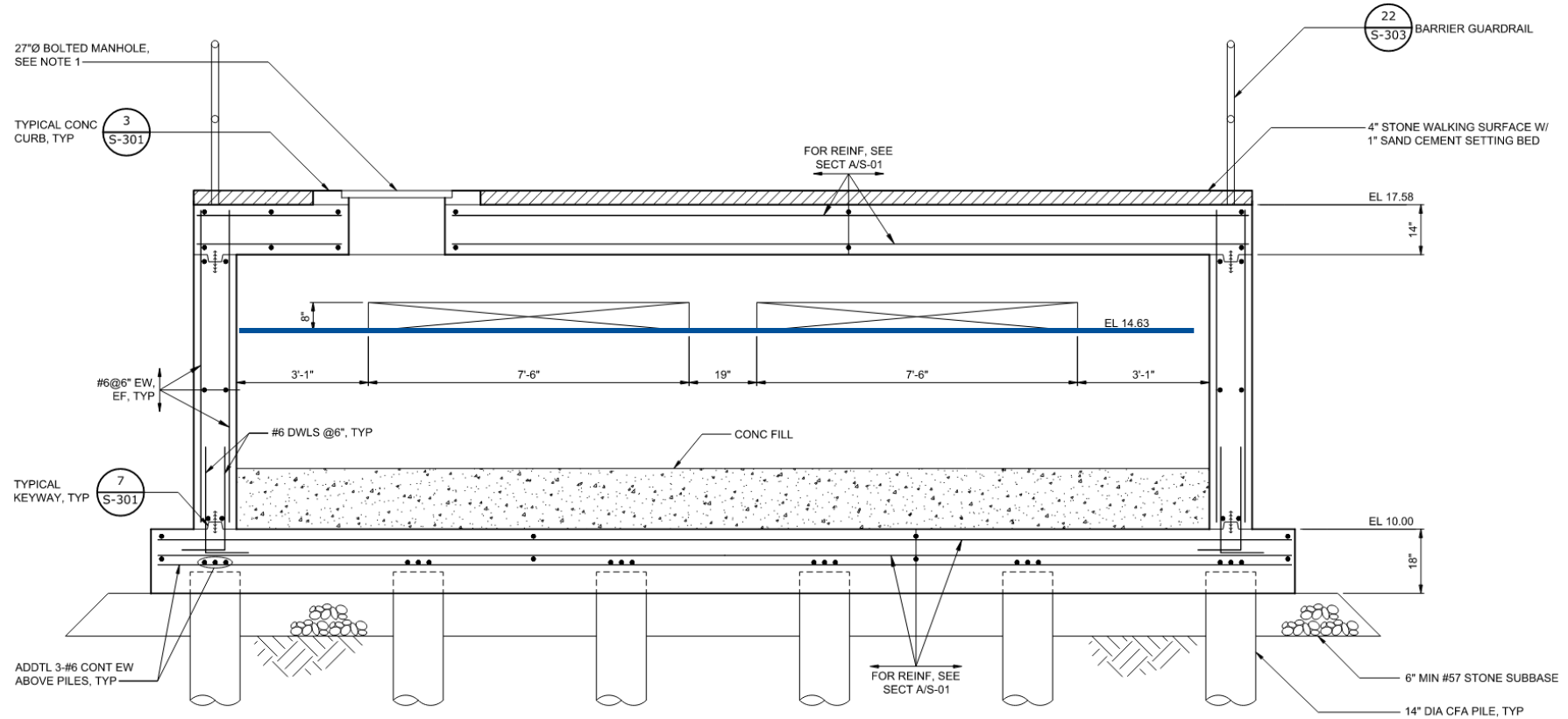
Precedent Imagery - Cascade



Open Discussion

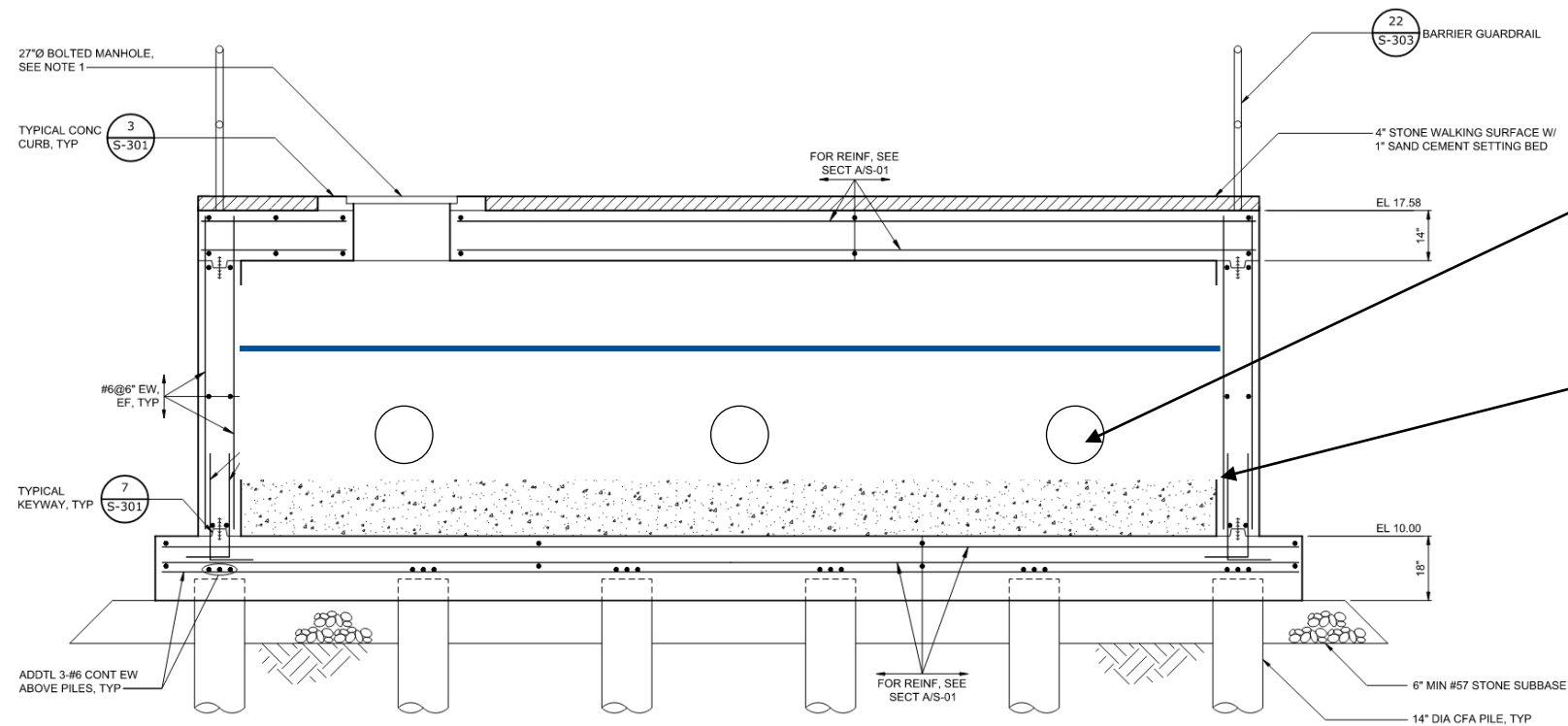
Backup Slides

Side Weir - Current Design



SECTION B
1/2" = 1'-0" (S-104)

Side Weir – Potential Modifications



3-18" orifices

Structure width will be reduced in size from 24' wide to ~12' wide

SECTION B
1/2" = 1'-0"
S-104