Sheet Pile Vortex Weir

Weir Layout

Weir becomes downstream control of riffle.

Weir Profile

Upstream weir

Elev. Bankfull water surface.

Planned Thalweg

≤1'

Scour hole

Optional lining of scour hole.

Original thalweg

Weir Plan View

Key sheetpiles into bank

Optional slotted PVC well screen drain pipe.

Plant edge with Live cuttings.

Natural Ground

Weir Section

Sheet Pile

Stability ≥ 2H

Bankfull depth

Optional channel

≥12x differential head

Conceptual Plan - Not for Construction

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

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Checked:

Approved:

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