LOG FRAMED CROSS VANE

Profile View

Streambank

Normal Water Level

Face Logs

Stream Bottom
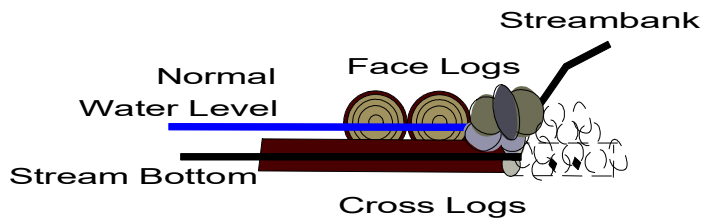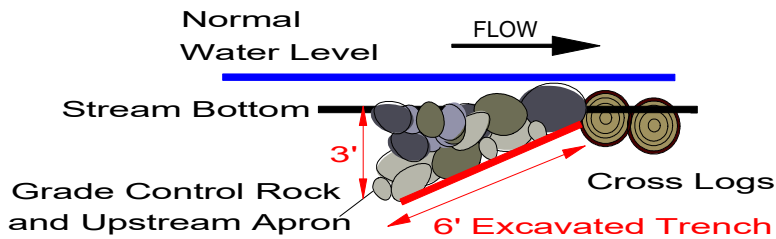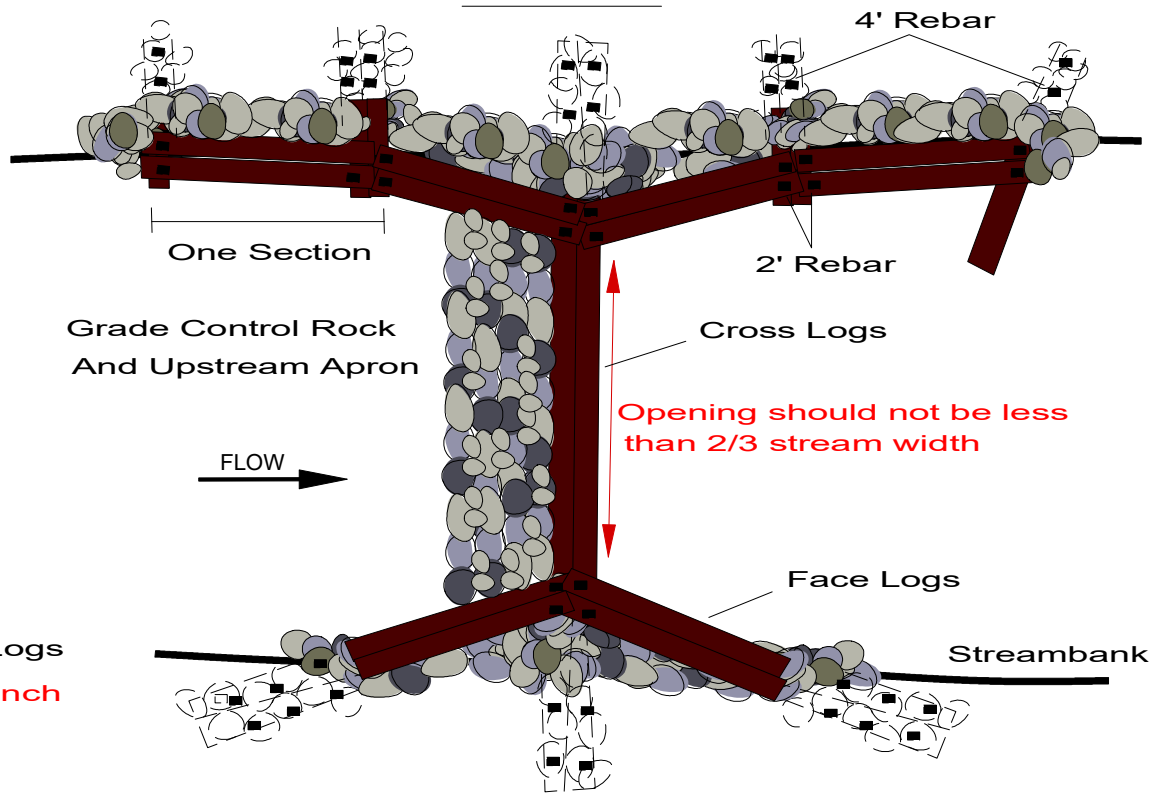
Cross Logs

Note: Upstream wings can be log or stone

Note: Additional upstream or downstream wing sections can be added

Normal Water Level

FLOW
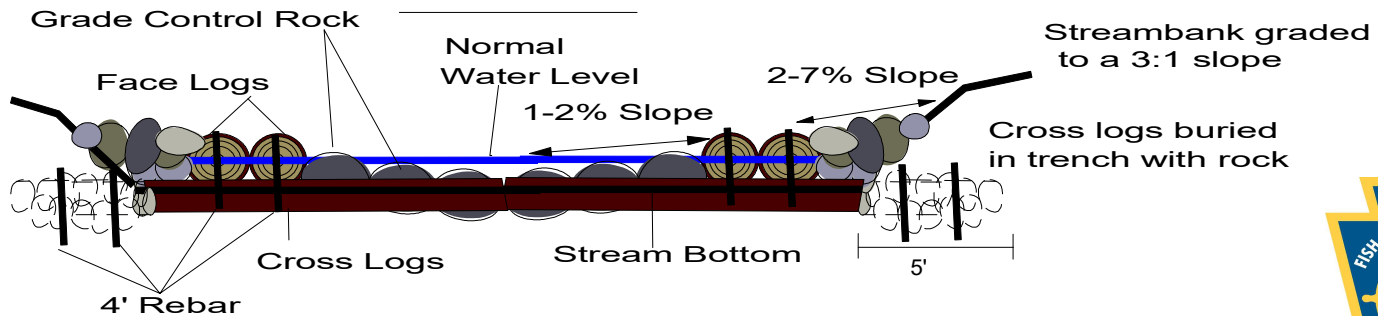
Stream Bottom

3'

Grade Control Rock and Upstream Apron

Cross Logs

6' Excavated Trench

Note: Excavated trench in stream bottom
3' deep x 6' sloped x width of the stream

Plan View

4' Rebar

One Section

Grade Control Rock And Upstream Apron

FLOW

2' Rebar

Cross Logs

Opening should not be less than 2/3 stream width

Face Logs

Streambank

Section View

Grade Control Rock

Face Logs

Normal Water Level

1-2% Slope

2-7% Slope

Streambank graded to a 3:1 slope

Cross logs buried in trench with rock

Cross Logs

Stream Bottom

4' Rebar

5'

Sill Logs = 10-15'
Face Logs = 20'
Cross Logs = 10-30'
Log Dia.= 8-12"

PENNSYLVANIA FISH & BOAT COMMISSION

DHM, PFBC 2022