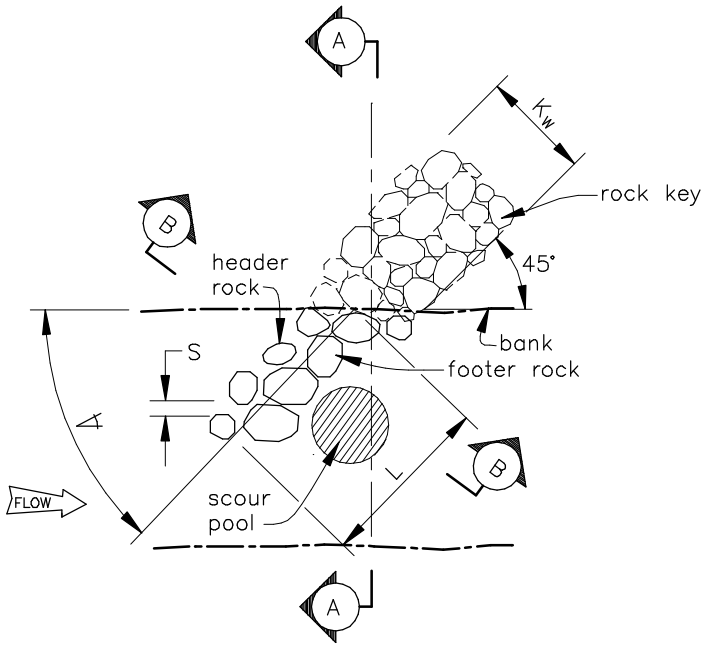
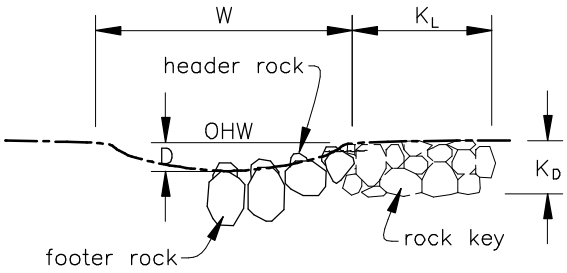
WASHINGTON STANDARD DRAWING	BIOENGINEERING BANK PROTECTION ROCK VANE	STANDARD DRAWING NO. BIO–0060 APPROVED BY: LAJ DRAWN BY: KLY ISSUE DATE: 5/99

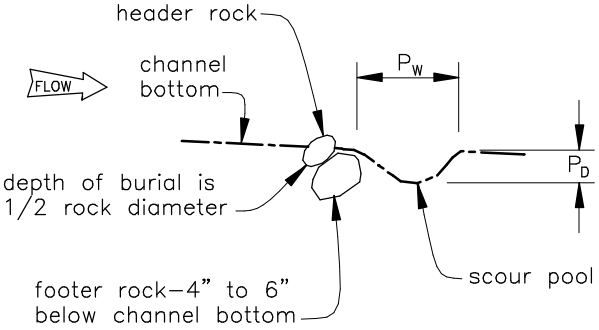


PLAN VIEW



Note: Scour pool is not shown in this view.

SECTION (A)



SECTION (B)

GENERAL NOTES

1. Vane will extend into the channel a total of 1/3 of the bank full width flow and will be angled from the streambank between 20° to 30°.
2. The top of the vane shall have a slope between 4° to 7°.
3. This standard drawing requires supporting technical documentation prior to use and must be adapted to the specific site.

DIMENSIONS

∡ = _____ (deg)

L = _____ (ft)

W = _____ (ft)

D = _____ (ft)

K_L = _____ (ft)

K_W = _____ (ft)

K_D = _____ (ft)

S = _____ (ft)

P_W = _____ (ft)

P_D = _____ (ft)

ROCK KEY GRADATION

D_{100} = _____ min (in) _____ max (in)

D_{75} = _____ min (in) _____ max (in)

D_{50} = _____ min (in) _____ max (in)

D_{min} = _____ min (in) _____ max (in)

ROCK VANE DIAMETER

HEADER ROCK:

Dia = _____ min (in) _____ max (in)

FOOTER ROCK:

Dia = _____ min (in) _____ max (in)

Drawing not to scale.

	JOB CLASS	Designed _____ Date
	CAD FILE NO. BIO–0060.DWG	Drawn _____
	SHEET OF	Checked _____
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE		Approved _____