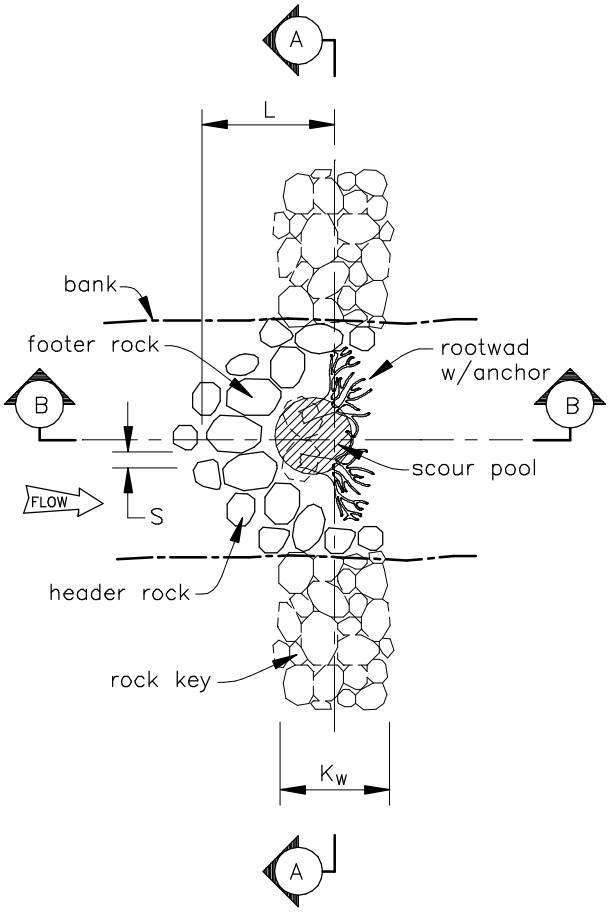
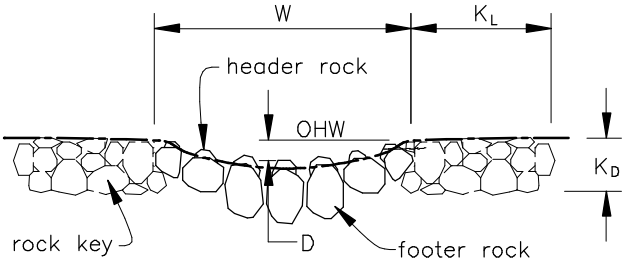
WASHINGTON STANDARD DRAWING	BIOENGINEERING BANK PROTECTION CURVED VORTEX ROCK WEIR w/ROOTWADS	STANDARD DRAWING NO. BIO–0053 APPROVED BY: LAJ DRAWN BY: KLY ISSUE DATE: 2/99

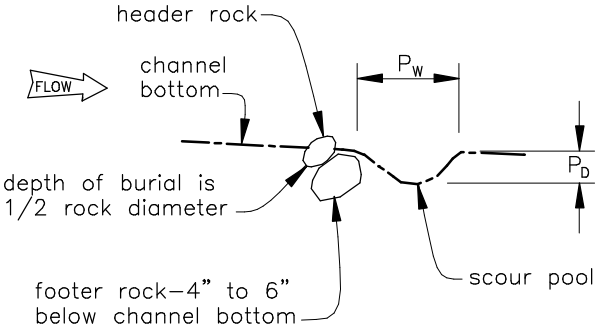


PLAN VIEW



Note: Scour pool is not shown in this view.

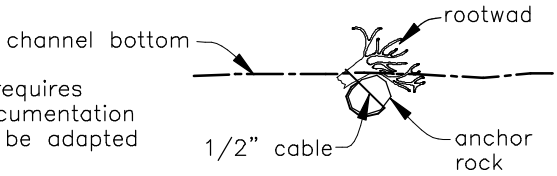
SECTION (A)



SECTION (B)

GENERAL NOTES

1. This standard drawing requires supporting technical documentation prior to use and must be adapted to the specific site.



ANCHOR DETAIL

DIMENSIONS

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)

VORTEX WEIR ROCK DIAMETER

HEADER ROCK:

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

FOOTER ROCK:

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

ROOTWAD W/ANCHOR

ROOTWAD:

Trunk dia. = _____ (in)

Wad mass dia. = _____ (ft)

Length = _____ (ft)

ANCHOR ROCK:

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

drawing not to scale

	JOB CLASS		Date
	CAD FILE NO. BIO–0053.DWG	Designed	
		Drawn	
	SHEET OF	Checked	
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE		Approved	