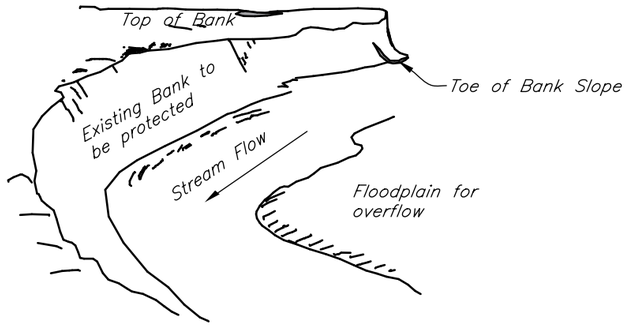


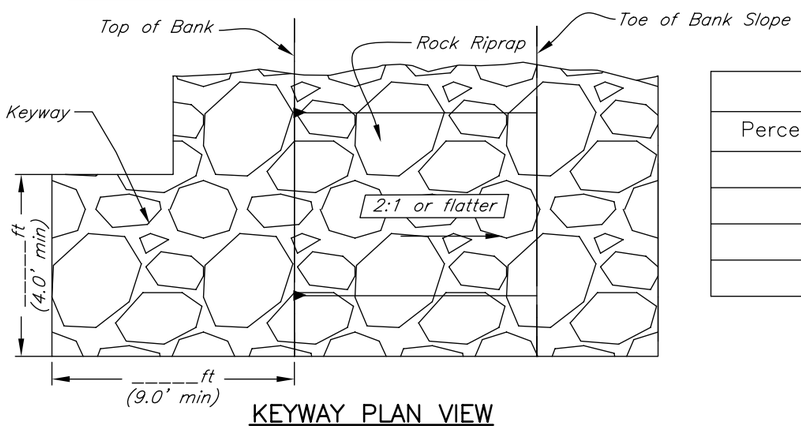
ISOMETRIC VIEW OF STREAMBANK

TABLE OF QUANTITIES

Length of bank to be protected	_____	lin. ft.
Excavation	_____	cu. yd.
Rock Riprap	_____	cu.yd.
Geotextile	_____	sq. yd.
Seeding	_____	ac.

BENCH MARK

NO.	ELEV.	DESCRIPTION



KEYWAY PLAN VIEW

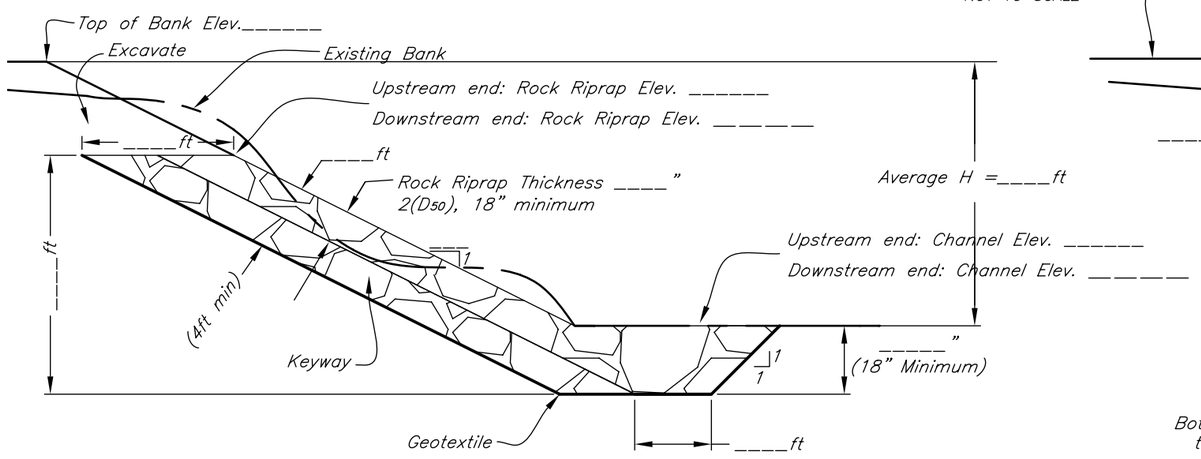
NOTES:

1. Rock riprap shall conform to Iowa NRCS Construction Specification IA–62, LOOSE ROCK RIPRAP.
2. Keyways shall be constructed a minimum of 4 feet thick as measured perpendicular to the design slope. Keyways shall be placed at the upstream and downstream end of the project.
3. Geotextile Fabric shall be installed under all riprap. Geotextile shall conform to Iowa NRCS Construction Specification IA–95, GEOTEXTILE, Non–woven, Class I.
4. Excavated material shall be spread so that it does not serve as a levee.

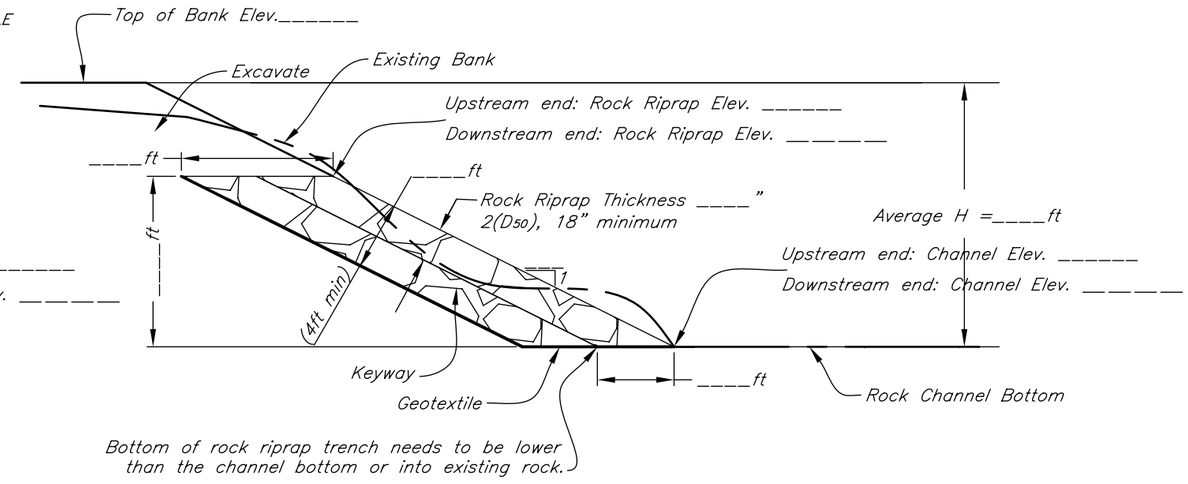
GRADATION OF ROCK RIPRAP

Percent Passing	Design Envelope Size	Size (Inches)
100	1.5(D50) – 2.0(D50)	
85	1.3(D50) – 1.8(D50)	
50	1.0(D50) – 1.5(D50)	
15	0.3(D50) – 0.5(D50)	

NOT TO SCALE



TYPICAL CROSS–SECTION
Option 1



TYPICAL CROSS–SECTION
For use on rock bottom streams only
Option 2

STANDARD DWG. NO. IA–1450

DATE June 2008 | PAGE 1 OF 1

Date
Designed
Drawn
Checked
Approved

DETAILS OF RIPRAP BANK STABILIZATION

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

File No.
Drawing No.
Sheet of