



Natural Resources Conservation Service  
210 Walnut Street, Room 693  
Des Moines, IA 50309-2180

May 6, 2011

ENGINEERING FIELD HANDBOOK (NEH Part 650)  
IA210-ENG-AMENDMENT IA55, CHAPTER 7

**PURPOSE:** This notice transmits new design procedures for grassed waterways in Chapter 7.

**Effective Date:** This Amendment is effective upon receipt.

**Filing Instructions:**

Remove the following pages from the Engineering Field Handbook:

IA7 – 12(1-8)	March 1999
IA7 – 16(1)	May 1995
IA7 – 43(1-108)	Various Dates

Insert the following pages in the Engineering Field Handbook, Chapter 7, dated December 2007:

IA7 – 10(1-7)	After page 7-10
IA 7 – 12(1)	After page 7-12
IA7 – 20(1-25)	After page 7-20
IA7 – 24(1-2)	After page 7-24

Following is a summary of the contents of the new amendment pages:

IA7- 10(1-7)	Soil Erodibility Categories
IA7 – 12(1)	Vegetal Cover Factors
IA7 – 20(1-12)	Design Charts for Waterways with Drainage Areas from 0-30 acres
IA7 – 20(13-25)	Design of Waterways on Flat Topography with Out of Bank Flow
IA 7 – 24(1-2)	Geotextile Reinforced Vegetated Outlet Design

This amendment replaces all previous Iowa amendments to the Grassed Waterway chapter of the Engineering Field Handbook. The attachments with this amendment reflect the change from a maximum velocity design approach to the effective stress design approach used in the Engineering Field Handbook, Chapter 7, dated December 2007.

/s/Richard Sims  
State Conservationist

Attachments

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DSC

SCE's Central Region

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