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April 17, 2015

## NEBRASKA TECHNICAL GUIDE (NETG) NOTICE NE-652

### SECTION IV

- **SECTION IV TABLE OF CONTENTS**
- **STANDARDS/SPECIFICATIONS**
  - NE-412 – GRASSED WATERWAY STANDARD
    - References to maximum allowable velocities have been removed to prevent conflicts with design software that incorporates tractive stress design methodology. More detailed guidance is provided for protection of the waterway until permanent vegetation is established.
  - NE-412s – GRASSED WATERWAY SPECIFICATION
  - NE-412m – GRASSED WATERWAY OPERATION AND MAINTENANCE PLAN
  - NE-342 – CRITICAL AREA PLANTING STANDARD
    - Added a reference to the Critical Area Planting design procedures (342DP) and the Herbaceous Vegetation design procedures (550DP) to the species selection criteria. Provided links to them in the References section.
    - Added the criteria that no species on the noxious weed list will be planted.
    - Added the criteria on planting dates, use of fertilizers and soil amendments, protection from pests, mulching, erosion control, and a section on site protection and access control.
    - Added additional criteria to restore eroded sites.
    - Added the paragraph on design criteria for banks and shorelines used for public access (there currently is not an engineering practice standard that addresses grading of banks and shorelines).
    - Added the section on Additional Considerations for restoring channel bank vegetation.
    - Under Plans & Specs added a reference to NE-CPA-8 and added “Planting trees, shrubs and vines” to the elements that should be addressed. Included a link to NE-CPA-8 in the References section.
    - Under O&M added information on regular inspections of the plantings and two paragraphs on grass nesting birds.
  - NE-342DP – CRITICAL AREA PLANTING DESIGN PROCEDURES
    - Removed the italics and underscore from Switchgrass in Table 2 and deleted a reference to Switchgrass from the second footnote. Replaced the Smooth Bromegrass/Big Bluestem example mixture for waterways with a Smooth Bromegrass/Switchgrass mixture.
  - NE-322 – CHANNEL BANK VEGETATION
    - Delete and replace with Critical Area Planting Standard

**Jobsheets, Engineering Drawings and Construction Specs** – not technically included in the Tech Guide, but reflects changes in section IV.

- NE-ENG-21T
  - NE-ENG-21P
- } These two engineering jobsheets replace NE-ENG-21



If you have any questions, please contact Kevin (Gus) Gustafson at (402) 437-4042 or by email at [kevin.gustafson@ne.usda.gov](mailto:kevin.gustafson@ne.usda.gov) or Corey Brubaker at (402) 437-4164 or by email at [corey.brubaker@ne.usda.gov](mailto:corey.brubaker@ne.usda.gov).

Brad Soncksen, Acting

CRAIG DERICKSON  
State Conservationist

If you keep paper copies of the Table of Contents, use the following instructions below.

<b>REMOVE AND RECYCLE</b>	<b>INSERT</b>
<b>ALL COUNTIES</b>	<b>ALL COUNTIES</b>
Section IV – Practice Standards and Specifications Table of Contents T.G. Notice 651 August 2014	Section IV – Practice Standards and Specifications Table of Contents T.G. Notice 652 April 2015
Section IV – Conservation Practices Channel Bank Vegetation (322) T.G. Notice 596 June 2008	<b>NONE (replace with 342)</b>
Section IV – Conservation Practices Critical Area Planting Standard (342) T.G. Notice 649 April 2014	Section IV – Conservation Practices Critical Area Planting Standard (342) T.G. Notice 652 April 2015
Section IV – Conservation Practices Critical Area Planting Design Procedures (342DP) T.G. Notice 648 February 2014	Section IV – Conservation Practices Critical Area Planting Design Procedures (342DP) T.G. Notice 652 April 2015
Section IV – Conservation Practices Grassed Waterway Standard (412) T.G. Notice 593 December 2007	Section IV – Conservation Practices Grassed Waterway Standard (412) T.G. Notice 652 April 2015
Section IV – Conservation Practices Grassed Waterway Specification (412-S) T.G. Notice 528 August 2002	Section IV – Conservation Practices Grassed Waterway Specification (412-S) T.G. Notice 652 April 2015
Section IV – Conservation Practices Grassed Waterway Operation and Maintenance Plan (412-M) T.G. Notice 528 August 2002	Section IV – Conservation Practices Grassed Waterway Operation and Maintenance Plan (412-M) T.G. Notice 652 April 2015