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TECHNICAL GUIDE NOTICE IL-188

Purpose: To distribute the following Field Office Technical Guide (FOTG) material:

Location	Summary of Changes
Section IV: Standards and Specifications	
Riparian Herbaceous Cover (390)	Revision of Riparian Herbaceous Cover (390).
Wetland Creation (658)	Revision of Wetland Creation (658).
Wetland Enhancement (659)	Revision of Wetland Enhancement (659).
Fence (382)	An explanation of major revisions are listed below.
Standard Drawings	
All Fence Standard Drawings IL-819 through IL-826	All Fence Standard Drawings have been revised. New Fence Standard Drawings.
Job Sheets	
Fence – Permanent – Non-electric (Job Sheet – 382NE)	Job Sheet revisions are listed below.
Fence – Permanent – Electric (Job Sheet – 382E)	Job Sheet revisions are listed below.

Major revisions to the Conservation Practice Fence Standard and Specification (Practice Code 382)

- Purpose revised
- Criteria has been expanded to include:
 - Joining of wires by approved splices...
 - Attachment of wires to post closest to the livestock
 - Landscape timbers are not allowed
 - Notching of posts are not allowed
 - Barbed wire is not to be electrified or installed as such
 - Dug brace assemblies supporting gates must have additional brace wire
 - Fence design and installation shall follow all federal, state, and local laws and regulations.
 - Height of exterior/property line fences will be 54 inches
- Revised the standard organization into the following sections:
 - I. Specifications Relative to all Fences
 - II. Standard Fences (Non-Electrified)
 - III Suspension Fences (Non-Electrified)
 - IV Permanent Electric Fences (Hi-Tensile Wire)

Revisions in each Section

I. Specifications Relative to all Fences

- Added ACQ treatment for wood posts
- Included protection for live trees as line and brace posts
- Included when deadman or double H assembly is required
- Standardized minimum top diameter of wood posts
- Added the need for bracing where fence changes direction from 60° to 90°
- Added the need for bracing where fence changes direction from 15° to 60°
- Horizontal brace on all but 8 foot high fences (game fence) is a minimum of 8 feet to 2½ times the height of the fence to the top wire. Eight foot fences require horizontal brace to be 10 feet
- Added subsection on Water Gaps/Flood Gates

II. Standard Fences (Non-Electrified)

- Specifications for posts, braces, etc. that are common to all fences have been removed
- Additional wires above woven wire are now 10 – 12 inch spacing for <32 inch high fence
- Additional wires above woven wire are now 8 – 12 inch spacing for >32 inch high fence

III. Suspension Fences (Non-Electrified)

- Only for barbed wire

IV. Permanent Electric Fences (Hi-Tensile Wire)

- Specifications for posts, braces, etc. that are common to all fences have been removed
- Expanded and clarified splicing of Hi-Tensile wire
- Changed tension of wires to 200 – 250 lbs
- Added to Table 1:
 - 2 – wire sheep fence
 - 4 – wire cattle and sheep fence
 - 6 – wire sheep and goat fence
- Added subsection on Fence Ground
- Added subsection on Energizer Ground
- Removed references to Joules
- Revised Insulated Cable subsection
- Added subsection on Connectors

Added the following references:

- B.C. Agricultural Fencing Handbook
- Fencing Guidelines for Wildlife
- IL Fence Act s 765 ILCS 130/1-21

Revisions to the Standard Drawings include:

Minor revisions to all drawings for clarification

IL-811 is now IL-811A and IL-811B

IL-813 is now IL-813A and IL-813B

IL-819, IL-820, IL-821, IL-822, IL-823, IL-824, IL-825 and IL-826 are new drawings

Revisions to the Fence Job Sheets include:

Fence – Permanent – Non-electric (Job Sheet – 382NE)

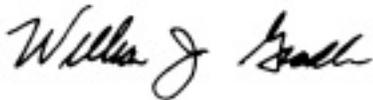
- Minimums filled in for post size and depth in ground
- Minimums filled in for cross member size
- Attempted to simplify and clarify component entry

Fence – Permanent – Electric (Job Sheet – 382E)

- Minimums filled in for post size and depth in ground
- Minimums filled in for cross member size
- Attempted to simplify and clarify component entry

Technical Guide Notice 188 is filed under Section 1, "FOTG transmittals" at the eFOTG site.

Access to eFOTG can be through the Illinois home page by clicking on "eFOTG" or by accessing <http://www.nrcs.usda.gov/technical/efotg/>



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