



Natural Resources Conservation Service

355 East Hancock Avenue
Athens, Georgia 30501

September 14, 2016

GEORGIA TECHNICAL GUIDE – SECTION IV – NOTICE GA160

This notice transmits revisions to the eFOTG.

CONSERVATION PRACTICE STANDARDS:

Per Area Engineers' request the Guidance Document for each practice standard has been removed from the binders and is now a standalone document within the CPS folders of Section IV of the eFOTG.

Heavy Use Area Protection, Code 561 – **REVISED** – Adopted national standard. More detail was added to the purposes. The criteria were changed, eliminating specific reference to 4,000 lb. design load. The reference to Design Note 24 was made in lieu of the American Association of State Highway and Transportation Officials publication. Minimum requirements for plan and specification content were added. Minimum requirements for operation and maintenance (O&M) plans were added. References were also added. This standard has been updated to also include a binder of the following contents: Conservation Practice Standard, Operation and Maintenance Requirements, Quality Assurance Plan, Job Sheets, and Statement of Work. All documents were modified to a fillable format for convenience.

Heavy Use Area (561) Guidance Document – **NEW** – Guidance for documenting the preliminary investigation, engineering survey, design, construction layout, construction checks, and certification of conservation practices.

Irrigation Pipeline, Code 430 – **REVISED** – Adopted national standard. New Purposes of "Reduce Energy Use" and "Develop Renewable Energy Systems" along with accompanying Criteria and Reference were added. This standard has been updated to also include a binder of the following contents: Conservation Practice Standard, Operation and Maintenance Requirements, Quality Assurance Plan, Job Sheets, and Statement of Work. All documents were modified to a fillable format for convenience.

Irrigation Pipeline (430) Guidance Document – **NEW** – Guidance for documenting the preliminary investigation, engineering survey, design, construction layout, construction checks, and certification of conservation practices.

Irrigation System, Microirrigation, Code 441 – **REVISED** – Adopted national standard. The Unit was changed from (No. & Ac.) to (Ac.). A new Purpose of "Reduce Energy Use" and accompanying Criteria were added. The filter permissible design head loss was changed, and a requirement for an Irrigation Water Management Plan was added. This standard has been updated to also include a binder of the following contents: Conservation Practice Standard, Operation and Maintenance Requirements, Quality Assurance Plan, Job Sheets, and Statement of Work. All documents were modified to a fillable format for convenience.

[Irrigation System, Microirrigation \(441\) Guidance Document](#)– **NEW** – Guidance for documenting the preliminary investigation, engineering survey, design, construction layout, construction checks, and certification of conservation practices.

[Livestock Pipeline, Code 516](#)– **REVISED** – Adopted national standard. The title changed from “Pipeline” to “Livestock Pipeline.” Revised Criteria and removed material specifications; expanded Considerations; revised Plans and Specifications; and revised Operation and Maintenance. This standard has been updated to also include a binder of the following contents: Conservation Practice Standard, Operation and Maintenance Requirements, Quality Assurance Plan, Job Sheets, and Statement of Work. All documents were modified to a fillable format for convenience.

[Livestock Pipeline \(516\) Guidance Document](#)– **NEW** – Guidance for documenting the preliminary investigation, engineering survey, design, construction layout, construction checks, and certification of conservation practices.

[Pumping Plant, Code 533](#)– **REVISED** – Adopted national standard. A new Purpose of “Reduce Energy Use” and accompanying additional Criteria was added. The Criteria Applicable to All Purposes was augmented for renewable power units, and Additional Criteria Applicable to the Improvement of Energy Efficiency was removed. This standard has been updated to include a binder of the following contents: Conservation Practice Standard, Operation and Maintenance Requirements, Quality Assurance Plan, Job Sheets, and Statement of Work. All documents were modified to a fillable format for convenience.

[Pumping Plant \(533\) Guidance Document](#)– **NEW** – Guidance for documenting the preliminary investigation, engineering survey, design, construction layout, construction checks, and certification of conservation practices.

[Sprinkler System, Code 442](#)– **REVISED** – Adopted national standard. Added “in absence of manufacturer’s recommendations for pressure regulator operation, ensure line pressure upstream of regulators is at least 5 psi above rated regulator pressure”. There are also some minor editing changes. This standard has been updated to also include a binder of the following contents: Conservation Practice Standard, Operation and Maintenance Requirements, Quality Assurance Plan, Job Sheets, and Statement of Work. All documents were modified to a fillable format for convenience.

[Sprinkler System \(442\) Guidance Document](#)– **NEW** – Guidance for documenting the preliminary investigation, engineering survey, design, construction layout, construction checks, and certification of conservation practices.

[Watering Facility, Code 614](#)– **REVISED** – Adopted national standard. The agency revised the definition of this practice and a purpose was added. The criteria for watering ramps were added. There is more emphasis on water storage tanks. The lifespan of this practice changed from 20 years to 10 years. The agency clarified references to supporting practices. This standard has been updated to also include a binder of the following contents: Conservation Practice Standard, Operation and Maintenance Requirements, Quality Assurance Plan, Job Sheets, and Statement of Work. All documents were modified to a fillable format for convenience.

[Watering Facility \(614\) Guidance Document](#)– **NEW** – Guidance for documenting the preliminary investigation, engineering survey, design, construction layout, construction checks, and certification of conservation practices.

[Water Well, Code 642](#)– **REVISED** – Adopted national standard. The agency changed the criteria to clarify that domestic use and irrigation wells must follow consensus standards, grouting, and sealing with a water-tight seal required in annulus of the casing, clarified suitable filter pack materials, removed numerical limit on intake velocity through screens, and added a statement to emphasize all wells must be developed. The paragraph on well performance testing after completion was moved from criteria to considerations. This standard has been updated to also include a binder of the following contents: Conservation Practice Standard, Operation and Maintenance Requirements, Quality Assurance Plan, Job Sheets, and Statement of Work. All documents were modified to a fillable format for convenience.

[Water Well \(642\) Guidance Document](#)– **NEW** – Guidance for documenting the preliminary investigation, engineering survey, design, construction layout, construction checks, and certification of conservation practices.

[Building Envelope Improvement, Code 672](#)– **REVISED** – This standard has been updated to include a binder of the following contents: Conservation Practice Standard, Operation and Maintenance Requirements, Quality Assurance Plan, Job Sheets, and Statement of Work. Guidance document removed from binder.

[Building Envelope Improvement \(672\) Guidance Document](#)– **REVISED** – Now a standalone document.

[Farmstead Energy Improvement, Code 374](#)– **REVISED** – This standard has been updated to include a binder of the following contents: Conservation Practice Standard, Operation and Maintenance Requirements, Quality Assurance Plan, Job Sheets, and Statement of Work. Guidance document removed from binder.

[Farmstead Energy Improvement \(374\) Guidance Document](#)– **REVISED** – Now a standalone document.

[Lighting System Improvement, Code 670](#)– **REVISED** – This standard has been updated to include a binder of the following contents: Conservation Practice Standard, Operation and Maintenance Requirements, Quality Assurance Plan, Job Sheets, and Statement of Work. Guidance document removed from binder.

[Lighting System Improvement \(670\) Guidance Document](#)– **REVISED** – Now a standalone document.

[Animal Mortality Facility, Code 316](#)– **REVISED** – This standard has been updated to include a binder of the following contents: Conservation Practice Standard, Operation and Maintenance Requirements, Quality Assurance Plan, Job Sheets, and Statement of Work. Guidance document removed from binder.

[Animal Mortality Facility \(316\) Guidance Document](#)– **REVISED** – Now a standalone document.

[Composting Facility, Code 317](#)– **REVISED** – This standard has been updated to include a binder of the following contents: Conservation Practice Standard, Operation and Maintenance Requirements, Quality Assurance Plan, Job Sheets, and Statement of Work. Guidance document removed from binder.

[Composting Facility \(317\) Guidance Document](#)– **REVISED** – Now a standalone document.

Drawings:

Building Envelope Improvement, Code 672 Drawing: Drawing notes were edited to discuss the closing of curtain openings on both sidewalls.

[GA-ENG-672-01](#) – **REVISED** – Curtain Walls to Batt Insulated Walls (minor editorial review of notes)

Water Well, Code 642 Drawing: Drawing notes were edited to discuss the closing of curtain openings on both sidewalls.

[GA Water Well 642 DWG](#) – **REVISED** – Added Water Well Resource Inventory Box to drawing.

Spreadsheets:

[GA516 Livestock Pipeline Spreadsheet](#) – **NEW** – Link to Watering Facility Design Spreadsheet

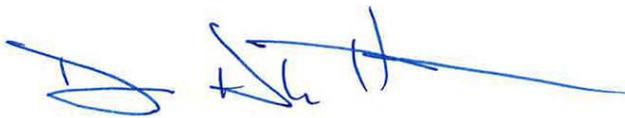
[GA561 Heavy Use Area Protection Design Spreadsheet](#) – **REVISED** – Spreadsheet was edited to include new macros for ease of navigation throughout and printing on each page. Signature lines were added for JAA, checked, approved and designed by. A new cover sheet and a sheet for square troughs with a round heavy use area were added.

[GA614 Watering Facility Spreadsheet](#) – **REVISED** – Spreadsheet was edited to include new macros for ease of navigation throughout and printing on each page. Signature lines were added for JAA, checked, approved and designed by.

Tools:

[Practice Certification Form](#) – **NEW** – Tool used to document practice certification following program policy.

FILING INSTRUCTIONS: If hard copies are maintained, file the new or revised documents. Archive or discard the outdated material.



DIANE A. GUTHRIE, P.E.
State Conservation Engineer

DIST: All Employees