

Iowa Addendum: Soil Quality Enhancement Activity – WQL27 – Drainage water management for nutrient, pathogen, or pesticide reduction

Drainage Water Management Feasibility Determination

Select the conditions of the candidate area which apply:

- There is an existing drainage system with laterals connected to submains or mains.*
- The drainage system is patterned/systematic (not random).*
- There is a drainage system map that includes the materials, diameters or dimensions, and locations of the laterals and mains.*
- Laterals are placed approximately along the contour.*
- Existing mains or outlets to be controlled are not shared by other landowners.*
- Existing mains or outlets to be controlled drain at least 20 acres.*
- The average land slope of the area drained by the main or outlet to be controlled is less than 0.5%.*
- There is a cropland area of at least 20 acres where the drainage can be controlled within a 2-foot elevation interval. (Determined using LiDAR 2-foot contours)*
- The water table can be elevated without having an adverse impact on adjoining properties.*

Select one:

- All of the above conditions apply.
 - Drainage Water Management (554) is feasible.** A Drainage Water Management Plan must be developed identifying the target water levels and the number and locations of Structures for Water Control (587) that must be installed.
- One or more of the above conditions does not apply.
 - Drainage Water Management (554) is NOT feasible.**

Include written documentation for each treatment area and year of this enhancement including:

- _____ A description of technology used
- _____ A map showing the location of where the practice was applied

Certification of Enhancement Completion:

Signature of Producer	Date	Fields	Acres or Number
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