

Drainage Water Management (DWM) Plan

Site Location and General Information

Cooperator Name	
County and Township	
Latitude and Longitude	
Farm Number	
Tract Number	
Crops in Rotation	
Contractor Name developing plan	
Date of Plan Development	

Drainage Water Management Plan boundary

Objectives

- Improve water quality by reducing nitrate loading to surface waters.
- Improve the soil environment for vegetative growth.
- Reduce the rate of soil organic matter oxidation.
- Reduce wind and water erosion.
- Enable seasonal soil saturation and/or shallow flooding.
- Reduce drainage contribution to peak flows.

Soils Map

Map Unit Symbol	Soil Name

Existing or Proposed Tile Map

____' Depth ____' Spacing Grade of Main = ____%

Proposed Drainage System Installation

Component	Amount	Item
Total		

All corrugated plastic tubing is ____ inches in diameter except as noted.

Topographic Map

Existing Tile

Wetland Map

Impacted Areas

Water Control Structure ___ (WCS___)

Location of Control Structure (Latitude, Longitude)	
Ground Elevation at Control Structure	
Area of impact	
Flow Elevation of structure	
Location of Outlet (Lat/Long)	

Water Control Structure ___ (WCS___)

Location of Control Structure (Latitude, Longitude)	
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Flow Elevation at structure	
Location of Outlet (Lat/Long)	

Water Table Management Plan – Control Structure

Winter Management

Harvest Date	
Starting Date for Fallow Season Water Control	
Fallow Season Control Elevation ¹	
Spring Water Release Date	
Planting Date or Range	

Growing Season Management²

Date	Control Elevation

Water Table Management Plan – Control Structure

Winter Management

Harvest Date	
Starting Date for Fallow Season Water Control	
Fallow Season Control Elevation	
Spring Water Release Date	
Planting Date or Range	

Growing Season Management

Date	Control Elevation

Footnotes for all zones:

Summary of control systems

System	Pipe Diameter at Structure Inlet	Impacted Area	Ground Elevation	Depth to Tile	Location, GPS (Lat, Long)

Overlay Map

Main Tile Profile

Check List for District Conservationist

The DWM Plan includes the following components¹:

- Farm and field information is provided.
- Objectives have been provided.
- MN Practice Standard 554 has been provided to the landowner.
- A soil map with field boundaries is included in the plan.
- A tile map is provided in the plan.
- A map of wetlands in the field (if applicable) is included in the plan.
- Optional but highly recommended: Profile(s) of the main(s) for the tile system that have control structures on them, showing structure(s) with the water level at growing season elevation, high point and low point in the field drained by the drainage system, main tile grade.
- A topographic map of the field (on 0.5' contours) is included.
- An overlay map with field boundaries, drain location(s) and topographic contours, with a determination (location and area) of the impacted area(s) is provided.
- A water table management plan is included, detailing when the stoplogs will be adjusted and by how much.
- A summary sheet that lists the pipe diameter of each proposed control structure, control elevations, the area impacted by each structure, exact location of the structure using GPS, and the depth to tile is provided as part of this plan.
- Each of the above components has been reviewed with the landowner and the landowner understands the plan.

¹ The District Conservationist will check off each item on this list before authorization of payment.