

## Practice Documentation - Supporting Data

A conservation practice is a part of a resource management system that is functional and accomplishes the conservation objective. Supporting data are to include a record of planning, design, installation, checking, and maintenance necessary to insure an effective practice.

Supporting data include those features of a practice that can be measured, surveyed, tested, or otherwise observed. The completed work is to be checked against the plans and specifications or other requirements to insure a satisfactory job. Check notes or observations become part of the supporting data along with previous planning, layout, or documenting records. The check is to record that the check was done, date and sign the notes, and include a statement that the practice does or does not meet the requirements.

Qualified contractors and other qualified individuals should be encouraged to design; layout and check conservation practices (see NEM 210-501.00 to 501.09). Designs are to be reviewed and accepted by those having appropriate approval authority before installation starts. Design and installation must conform to approved technical standards and specifications. The contractor and other qualified individuals can furnish signed statements and notes giving appropriate information and measurements to show the standards and specifications have been met. Backup data need not be in the format used by NRCS but must be legible and understandable. The NRCS employee responsible must be satisfied that the work of these individuals will meet specifications before accepting their statements and measurements as supporting data. In addition, complete construction checks should be made on at least 5% of the jobs installed by each contractor or qualified individual during the year, and the check notes should be recorded and filed.

Sampling can be used to record supporting data for jobs with a number of similar components such as a system of terraces, subsurface drains, pipelines, small lateral ditches, and small structures for water control. The sample should be taken from segments or parts that appear least likely to meet the specifications. The checker is to be satisfied that the entire job meets specifications and is to record supporting data for the selected sample. The location of the sample is to be identified.

The supporting data for some practices include computations for quantity. Such computations are required only if cost sharing is based on quantities such as cubic yards, acres, etc. Computations made when the structure or practice was designed suffice if applicable to the completed work.

In the case of engineering practices, refer to the engineering procedures in the Engineering Field Handbook, Chapter 5 - Minnesota supplements for more details on what is required.

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All practice application requires the following documentation, hereafter referred to as ***mandatory documentation***:

- Identification of the extent of practices applied,
- Location identification, this can be an aerial photo, reference to the conservation plan map, or a sketch in the plan drawings,
- Notification of Gopher State One Call as appropriate,
- Environmental Evaluation NRCS-CPA-52, and
- Documentation of necessary permits – federal, state, local - as applicable.

**The following additional data are needed for the specific practices listed**

**Access Control – 472**

- Mandatory documentation.
- Practice objective.
- Type of exclusion.
- Starting and ending dates.
- Maintenance required.

**Access Road - 560**

- Mandatory documentation.
- Design data.
- Type and quality of surfacing material.
- Compliance with federal, state and local criteria.
- Cross-section.
- Profile of centerline and ditch.
- Adequacy of vegetation.

**Alley Cropping - 311**

- Mandatory documentation.
- Practice objective.
- Crop, forage or tree/shrub species selected.
- Width and spacing of trees/shrubs.
- Crop or forage alley width.
- Seeding plan (MN-CPA-003).

**Anaerobic Digester – 366**

- Mandatory documentation.
- Design data materials used – manufacturer, dimensions, and certifications.

**Animal Mortality Facility - 316**

- Mandatory documentation.
- Design data.

**Aquaculture Ponds - 397**

- Mandatory documentation
- TBD

**Aquatic Organism Passage - 396**

- Mandatory documentation.
- Practice objective.
- Species benefited.
- Engineering plan as appropriate.

**Brush Management - 314**

- Mandatory documentation.

- Plant species to be controlled.
- Plant species to benefit.
- Method of control.
- Time to apply control measures.
- Management of area following treatment.

**Building Envelope Improvement - 672**

- Mandatory documentation
- TBD

**Channel Bed Stabilization - 584**

- Mandatory documentation.
- Design data.
- Profile and cross section
- Materials used – source, certification, appropriate dimensions.

**Combustion System Improvement – 372**

- Mandatory documentation
- TBD

**Conservation Cover - 327**

- Mandatory documentation
- Practice objective.
- Seeding plan (MN-CPA-003) or appropriate planning jobsheet.
- Fertilization requirements.
- Management recommendations.

**Conservation Crop Rotation - 328**

- Mandatory documentation.
- Crops to be planted.
- Sequence of crops and length of rotation.
- Nutrient management.
- Pest management.
- Soil Quality Considerations.

**Constructed Wetland - 656**

- Mandatory documentation.
- Practice objective.
- Wetland functions planned.
- Hydric soils conditions to be created.
- Hydrologic conditions to be created.
- Vegetation to be established.
- Design data.
- Average depth and area of pool.

- Appropriate elevations to check design.
- Dimensions of water control structures.
- Profile and cross-sections as appropriate.
- Adequacy of vegetation.

#### **Contour Buffer Strips – 332**

- Mandatory documentation.
- Row grade, width of tilled strip, width of vegetated strip and arrangement of strips.
- Vegetative species selection, seeding rates and methods.
- Fertility management.
- Number, spacing and arrangement of strips.
- Erosion calculations.
- Critical Slope length.
- Outlet stability.
- Treatment of end rows and field borders.

#### **Contour Farming - 330**

- Mandatory documentation.
- Minimum/maximum row grade.
- Critical slope length.
- Erosion calculations.
- Minimum ridge height.
- Critical Slope length.
- Outlet stability.
- Treatment of end rows and field borders.

#### **Cover Crop - 340**

- Mandatory documentation.
- Practice objective.
- Species selection and seeding rates.
- Planting dates.
- Site and seedbed preparation.
- Soil amendments required.
- Time and method of killing the cover crop.
- Erosion calculations.

#### **Critical Area Planting - 342**

- Mandatory documentation.
- Practice objective.
- Site and seedbed preparation.
- Type of area being seeded.
- Soil amendments required.
- Species selection, seeding or planting rates and establishment method.

- Planting dates.
- Type and amount of mulch required and method of anchoring.
- Temporary Cover if appropriate.
- Management recommendations.

#### **Cross Wind Ridges - 588**

- Mandatory documentation.
- Direction of tillage operations.
- Ridge height, spacing, and direction.
- Erosion calculations.

#### **Cross Wind Trap Strips - 589C**

- Mandatory documentation.
- Number, width and arrangement of strips.
- Vegetative species selection seeding rate and method.
- Width of cropped strip.
- Orientation of trap strips in relation to direction of erosive winds.
- Erosion calculations.
- Management recommendations.

#### **Deep Tillage – 324**

- Mandatory documentation.
- Soil Moisture.
- Required tillage depth and equipment to be used.

#### **Denitrifying Bioreactor - 605**

- Mandatory documentation.
- TBD

#### **Dike - 356**

- Mandatory documentation.
- Design data.
- Profile of ridge.
- Adequacy of vegetation.
- Cross-section.

#### **Diversion - 362**

- Mandatory documentation.
- Design data.
- Profile of channel and ridge.
- Cross-section.
- Outlet conditions.
- Adequacy of vegetation.
- Maintenance access.

### **Drainage Water Management - 554**

- Mandatory documentation.
- Design data.
- Adequacy of vegetation.
- Appurtenances - manufacturer, dimensions, certifications.
- Cross sections and profiles of any ditches.

### **Early Successional Habitat Development and Management - 647**

- Mandatory documentation.
- Practice objective.
- Habitat type to be established or managed.
- Type, timing and frequency of management action.
- Biology Jobsheets as appropriate.

### **Farmstead Energy Improvement -374**

- Mandatory documentation
- TBD

### **Fence - 382**

- Mandatory documentation.
- Practice objective.
- Type of fence.
- Materials to be used.

### **Field Border - 386**

- Mandatory documentation.
- Practice objective.
- Width and location.
- Vegetative species selection, seeding rates and methods.
- Fertility Management.
- Erosion calculations.
- Management recommendations.

### **Filter Strip - 393**

- Mandatory documentation.
- Practice objective.
- Length (flow length across the strip).
- Width.
- Slope.
- Seeding plan (MN-CPA-003) or appropriate planning jobsheet.
- On-site visit.
- Vegetation management.

### **Firebreak - 394**

- Mandatory documentation.
- Type of firebreak.
- Soils.
- Species selection, if applicable.
- Site preparation required.
- Width.
- Distance between firebreaks, if applicable.
- Maintenance plan.

### **Forage and Biomass Planting - 512**

- Mandatory documentation.
- Vegetative species selection, seeding rates and methods.
- Seeding date.
- Fertility management.
- Management during establishment.
- Seeding plan (MN-CPA-003).

### **Forage Harvest Management - 511**

- Mandatory documentation.
- Pasture or forage balance worksheet.
- Nutritional requirements of the forage.
- Stage of maturity at harvest.
- Harvest interval.

### **Forest Stand Improvement - 666**

- Mandatory documentation.
- Thinning requirements.
- Type of thinning (chem., mech. etc).
- Species of competition to be controlled.
- Management plan.

### **Forest Trails and Landings - 655**

- Mandatory documentation.
- Location and extent of haul roads.
- General slope of harvest area.
- Features to avoid such as wet areas and drainage channels.

### **Grade Stabilization Structure - 410**

- Mandatory documentation.
- Design data.
- Measurements of completed structure.
- Type and quality of materials.
- Adequacy of vegetation.

**Grassed Waterway - 412**

- Mandatory documentation.
- Design data – see procedure.
- As-built Length and method to measure length.
- As-built Top width.
- As-built Depth.
- As-built Grade.
- Temporary measures.
- Location, size, extent of subsurface drains if used – existing and new.
- Cross-section.
- Construction check.
- Adequacy of vegetation.

**Heavy Use Area Protection - 561**

- Mandatory documentation.
- Design data.
- Surfacing material used – quality, quantity, thickness.

**Hedgerow Planting - 422**

- Mandatory documentation.
- Practice objective.
- Species of trees/shrubs to be established.
- Tree/shrub planting plan (MN-CONS-7).

**Herbaceous Weed Control - 315**

- Mandatory documentation.
- Plant species to be controlled.
- Plant species to benefit.
- Method of control.
- Time to apply control measures.
- Management of area following treatment.

**Herbaceous Wind Barriers - 603**

- Mandatory documentation.
- Determination of adapted species of herbaceous vegetation to achieve required porosity, height and desirable plant characteristics.
- Orientation of barriers, width of each barrier and spacing between barriers.
- Number of rows in each barrier and number of barriers across the field.
- Erosion calculations.

- Additional provisions, as required, for reducing soil erosion from wind, protection of crops, snow management, and wildlife food and cover.
- Maintenance plan.

**High Tunnel System – 325**

- Mandatory documentation.
- Practice objective.

**Integrated Pest Management - 595**

- Mandatory documentation.
- Crop or crop rotation, form MN-CPA-047.
- Results of environmental risk assessments when chemical controls are used, form MN-CPA-025 or NRCS WN-PST.
- Identification of target pests and recommended pest management techniques MN-CPA-047. (Producer responsibility).
- Location of sensitive resources and setbacks, if applicable. MN-CPA-047.
- Practices to mitigate risk of pest management techniques having relatively high potential to impact non-target species, MN-CPA-047.
- Operation and maintenance procedures.
- Records (producer responsibility).

**Irrigation Pipeline – 430**

- Mandatory documentation
- TBD

**Irrigation System, Micro-Irrigation – 441**

- Mandatory documentation
- TBD

**Irrigation Water Management - 449**

- Mandatory documentation.
- Design data.
- Soil type.
- As-built cuts and fills.
- Adequacy of vegetation.

**Karst Sinkhole Treatment - 527**

- Mandatory documentation.
- Design data.
- Soils and geology information.

- Materials used – source, certification, appropriate dimensions.
- Safety devices and features.
- Adequacy of vegetation.

**Land Smoothing – 466**

- Mandatory documentation
- TBD

**Lighting System Improvement – 670**

- Mandatory documentation
- TBD

**Lined Waterway or Outlet - 468**

- Mandatory documentation.
- Design data.
- Cross-section.
- Profile of bottom and bank.
- Adequacy of vegetation.
- Lining material – type, quality, quantity, thickness.

**Livestock Pipeline - 516**

- Mandatory documentation.
- Design data.
- Materials used – manufacturer, dimensions, and certification.
- Adequacy of vegetation.

**Mine Shaft and Adit Closing - 457**

- Mandatory documentation.
- Site specific plan.
- Species benefited, as appropriate.
- Engineering design as applicable.

**Mulching - 484**

- Mandatory documentation.
- Practice objective.
- Type of material, thickness/depth, durability, amount.
- Preparatory surface treatment including vegetation measures.
- Application technique by material type.
- Additional requirements to conserve soil moisture, moderate soil temperature, control erosion, suppress weeds, establish vegetative cover, improve soil condition and increase soil fertility.

- Type, amount, and method of anchoring.
- Timing of application.

**Nutrient Management - 590**

- Mandatory documentation.
- Maps, schedules, calculations and other information required in the Plans/Specifications of practice 590.
- MN Forms MN-CPA-40, MN-CPA-42, and MN-CPA-023 or equivalent formats.
- Producer certification on forms MN-CPA-023 or MN-CPA-046.

**Obstruction Removal - 500**

- Mandatory documentation and design data.
- Manner and location of disposal.

**Open Channel -582**

- Mandatory documentation
- TBD

**Pond - 378**

- Mandatory documentation.
- Design data.
- Hazard Classification including rationale.
- Profile of dam and earth spillway.
- Cross-section of dam and earth spillway.
- Size and elevations of pipe inlet and invert.
- Pipe appurtenances.
- Depth and area of pool.
- Yardage computations if needed.
- Quantities of materials.
- Clearing.
- Adequacy of vegetation.
- Sealing, fencing, fish management.

**Pond Sealing/ Lining, Flexible Membrane - 521A**

- Mandatory documentation.
- Design data.
- Membrane manufacturer, certification, dimensions.
- Size of pond lined.
- Soil type.
- Venting system description, if used.
- Drainage system details, if used.
- Safety features and devices, if any.
- Equipment access.

**Pond Sealing/ Lining, Compacted Clay Treatment - 521D**

- Mandatory documentation.
- Design data.
- Size of pond lined.
- Soil type.
- Venting system description, if used.
- Drainage system details, if used.
- Safety features and devices, if any.
- Equipment access.

**Prescribed Burning - 338**

- Mandatory documentation.
- Practice objective.
- Plant community to be improved by burn.
- Detailed burn plan.

**Prescribed Grazing - 528**

- Mandatory documentation.
- Practice objective.
- Kind and class of grazing animal.
- Key plant species.
- Grazing system type.
- Grazing season or period of use.
- Define sensitive areas and management requirements.
- Locations of fences/watering facilities.
- Forage management.
- Estimates of forage production.

**Pumping Plant - 533**

- Mandatory documentation.
- Design data.
- Manufacturer, certification, dimensions.
- Foundation details.
- Safety features and devices.
- Appurtenances used – manufacturer, certification, and dimensions.

**Range Planting - 550**

- Mandatory documentation.
- Ecological site description.
- Seeding plan (MN-CPA-003).
- Vegetative species selection, seeding rates, dates and methods.
- Fertility management.
- Management during establishment.

**Residue and Tillage Management, Reduced Till - 345**

- Mandatory documentation.
- Residue amount, orientation and distribution after planting.
- Timing of soil disturbance.
- Erosion calculations.
- Type of equipment used.

**Residue and Tillage Management, No Till - 329**

- Mandatory documentation.
- Planting and fertilizer application equipment used.
- Erosion calculations.
- STIR rating.
- Timing and amount of soil disturbance.
- Residue orientation and distribution.

**Residue Management, Seasonal - 344**

- Mandatory documentation.
- Practice objective.
- Dates when residue will be present.
- Timing and amount of soil disturbance.
- Orientation and distribution of residue.
- Amount of residue required.
- Erosion calculations.

**Restoration and Management of Declining Habitats - 643**

- Mandatory documentation.
- Vegetative type to be established or managed.
- Method of establishment.
- Seeding plan (MN-CPA-003) or Biology Jobsheet.
- Tree/shrub planting plan (MN-CONS-7) or Biology Jobsheet.
- Maintenance and management recommendations.

**Riparian Forest Buffer - 391**

- Mandatory documentation.
- Seeding plan (MN-CPA-003) or appropriate planning jobsheet.
- Tree/shrub planting plan (MN-CONS-7).

**Riparian Herbaceous Cover - 390**

- Mandatory documentation.
- Practice objective.
- Seeding plan (MN-CPA-003).

**Roof Runoff Structure - 558**

- Mandatory documentation.
- Design data.
- Outlet description and adequacy.
- Materials used – manufacturer, certifications, and pertinent dimensions.
- Adequacy of vegetation.

**Roofs and Covers - 367**

- Mandatory documentation.
- Design data.
- Materials used – source, certification, appropriate dimensions.

**Sediment Basin - 350**

- Mandatory documentation.
- Design data.
- Outlet description and adequacy.
- Materials used – manufacturer, certifications, and pertinent dimensions.
- Adequacy of vegetation.
- Pollution control measures.
- Safety features and devices.
- Depth and size of pool in acres.
- Cross-section and profile of embankment.

**Spring Development - 574**

- Mandatory documentation.
- Design data.
- Materials and appurtenances – manufacturer, certification, pertinent dimensions.
- Cross-section & profile of ditch or trench if applicable.
- Adequacy of vegetation.
- Safety devices and features.
- Anticipated yield of system.

**Sprinkler System – 442**

- Mandatory documentation.
- Water use permit.
- Rain gages installed.
- Design data.

- Soil Type.
- Crop rotation.
- Coefficient of uniformity.

**Stormwater Runoff Control - 570**

- Mandatory documentation.
- Design data.
- Adequacy of vegetation.

**Stream Crossing – 578**

- Mandatory documentation.
- Design data.
- Materials used – source, certification, appropriate dimensions.
- Adequacy of vegetation.

**Stream Habitat Improvement and Management - 395**

- Mandatory documentation.
- Practice objective.
- Species benefited.
- Engineering plan as appropriate.

**Streambank and Shoreline Protection - 580**

- Mandatory documentation.
- Design data.
- Cultural resources considerations.
- Erosion extent before project.
- Adequacy of vegetation.
- Access for maintenance.
- Outlet conditions and adequacy.
- Profile and cross-sections.
- Soil type.
- Grade of channel.
- Extent and nature of clearing.
- Materials and appurtenances – manufacturer, certification, pertinent dimensions.
- Fetch length in miles for lakes.
- Description and extent of armoring used.
- Geotextiles or other materials – manufacturer, dimensions, certification.
- Flow-frequency data for streams.
- Fluvial geomorphology indicators.

**Stripcropping - 585**

- Mandatory documentation.
- Practice objective.
- Crop sequence (planned rotation).
- Seeding mixture and rates for seeding grass/legume strips.
- Number, spacing and arrangement of strips.
- Fertility management.
- Minimum and maximum row grade for tilled strips (for sheet and rill erosion).
- Critical Slope length (for sheet and rill erosion).
- Alignment, orientation and width of strips (for wind erosion).
- Erosion calculations.
- Stable outlets.
- Treatment of end rows and field borders.

**Structure for Water Control - 587**

- Mandatory documentation.
- Design data.
- Cultural resources considerations.
- Outlet description and adequacy.
- Cross-sections and profiles as appropriate.
- Adequacy of vegetation.
- Extent of pool in acre-feet if applicable.
- Structures or appurtenances – manufacturer, certification, pertinent dimensions.
- Size and elevation of pipe inlet and invert.
- Access for maintenance.

**Structures for Wildlife – 649**

- Mandatory documentation
- Wildlife group or species to benefit
- WHES or alternative habitat assessment.
- Maintenance/management recommendations (Biology Jobsheets or Technical Notes).

**Subsurface Drain - 606**

- Mandatory documentation.
- Design data.
- Manufacturer and markings.
- Length by size and kind.
- Location and dimensions of all structures.

- Elevations of outlet and normal water level in outlet ditch or stream.
- Filter material.
- Blinding.
- Cover.
- Periodic grade checks.
- Access for maintenance.
- Soil type.
- Descriptions of filters or envelopes.

**Terrace - 600**

- Mandatory documentation.
- Design data.
- Profile of channel and ridge.
- Cross-section for one terrace in each field.
- Land slope with vertical or horizontal interval.
- Type and adequacy of outlet.
- Length of each terrace in feet.
- Adequacy of vegetation.
- Outlets – description, condition, and adequacy.
- Soil type.

**Trails and Walkways - 575**

- Mandatory documentation.
- Practice objective.
- Identify facilitating components.
- Refer to Critical Area Planting for seeding.

**Tree and Shrub Establishment - 612**

- Mandatory documentation.
- Soils.
- Woodland management productivity table.
- Species selection.
- Tree/shrub planting plan. (MN-CONS-7) or appropriate planning Jobsheet.

**Tree and Shrub Pruning - 660**

- Mandatory documentation.
- Species.
- Use of product.
- Pruning plan; age, spacing, height, percent removed etc.

### **Tree and Shrub Site Preparation - 490**

- Mandatory documentation.
- Identify plant competition by species.
- Treatment needed.
- Equipment or herbicide needed.
- Soils and limitations.
- Type of site preparation.

### **Underground Outlet - 620**

- Mandatory documentation.
- Design data.
- Type and size of pipe.
- Appurtenances and materials used – manufacturer, certification, and pertinent dimensions.
- Access for maintenance.
- Adequacy of vegetation.
- Depth.
- Soil type.

### **Upland Wildlife Habitat Management - 645**

- Mandatory documentation.
- Species to benefit (Fish and Wildlife Habitat Management Guidesheets).
- Vegetative type to be managed.
- WHES or alternative habitat assessment.
- Maintenance/management recommendations (Biology Jobsheets).

### **Vegetated Treatment Area - 635**

- Mandatory documentation.
- Design data.
- Adequacy of vegetation.

### **Vegetative Barrier - 601**

- Mandatory documentation.
- Species selection and establishment.
- Barrier alignment, width and gradient.
- Spacing.
- Seeding plan (MN-CPA-003).
- Management recommendations.

### **Waste Facility Closure - 360**

- Mandatory documentation.
- Description of conveyance measures removed.
- Adequacy of vegetation.
- Pollution control measures used.

### **Waste Separation Facility – 632**

- Mandatory documentation
- TBD

### **Waste Storage Facility - 313**

- Mandatory documentation.
- Computations for size, length, width, depth and thickness of walls.
- Inlet and outlet design computations.
- Vent and safety feature details.
- Type of construction and reinforcing.
- If prefabricated, manufacturer, markings, certification, and dimensions.
- Appurtenances used – manufacturer, pertinent dimensions, and certifications.
- Consideration of wells.

### **Waste Transfer - 634**

- Mandatory documentation
- TBD

### **Waste Treatment – 629**

- Mandatory documentation.
- Design data.
- If prefabricated, manufacturer, markings, certification, and dimensions.
- Appurtenances used – manufacturer, pertinent dimensions, and certifications.

### **Water and Sediment Control Basin - 638**

- Mandatory documentation.
- Design data.
- Profile and cross-sections as appropriate.
- Size and elevations of pipe inlet and invert.
- Depth and area of pool.
- Pipe appurtenances as applicable.
- Yardage computations if needed.
- Quantities of materials.
- Adequacy of vegetation.

### **Water Well - 642**

- Mandatory documentation.
- Design data and Soil type.
- Materials and appurtenances – manufacturer, certification, pertinent dimensions.
- Type, depth, and size of pipe.
- Access for maintenance.

**Watering Facility - 614**

- Mandatory documentation.
- Design data.
- Materials used – manufacturer, dimensions, and certification.
- Adequacy of vegetation.
- Surfacing materials – extent, thickness.
- Access for maintenance.
- Winter operation guidelines.

**Well Decommissioning - 351**

- Mandatory documentation.
- Well location and description.
- MN Dpt. of Health Well Sealing Record.

**Wetland Creation - 658**

- Mandatory documentation.
- Practice objective.
- Wetland functions planned.
- Hydric soils conditions to be created.
- Hydrologic conditions to be created.
- Vegetation to be established.
- Design data.
- Average depth and area of pool.
- Appropriate elevations to check design.
- Dimensions of water control structures.
- Profile and cross-sections as appropriate.
- Adequacy of vegetation.

**Wetland Enhancement - 659**

- Mandatory documentation.
- Practice objective.
- Wetland functions to be enhanced.
- Hydric soils conditions to be met.
- Hydrologic conditions to be established.
- Vegetation to be established.
- Design data.
- Type and quality of materials.
- Average depth and area of pool.
- Adequacy of vegetation.
- Dimensions of water control structures.
- Appropriate elevations to check design, including cross-sections and profiles.

**Wetland Restoration - 657**

- Mandatory documentation.
- Practice objective.

- Wetland functions planned.
- Hydrologic restoration required.
- Hydric soils restoration required.
- Vegetation restoration required.
- Weed control provisions as applicable.
- Biology jobsheet as appropriate.
- Design data.
- Measurements of completed structure.
- Type and quality of materials.
- Adequacy of vegetation.
- Average area and depth of pool.
- Dimensions of water control structures.
- Appropriate elevations to check design, including cross-sections and profiles.

**Wetland Wildlife Habitat Management- 644**

- Mandatory documentation.
- Wildlife group or species to benefit (Fish and Wildlife Habitat Management Guidesheets).
- Classification of wetlands to be managed or preserved.
- Maintenance/management recommendations.
- Engineering design as applicable.
- Seeding plan (MN-CPA-003).

**Windbreak/Shelterbelt Establishment - 380**

- Mandatory documentation.
- Practice objective.
- Soils.
- Windbreak suitability group.
- Maintenance and erosion control.
- Tree/shrub planting plan (MN-CONS-7) or appropriate planning jobsheet.

**Windbreak/Shelterbelt Renovation - 650**

- Mandatory documentation.
- Practice objective.
- Soils.
- Windbreak suitability group.
- Maintenance and erosion control.
- Thinning or pruning requirements.
- Tree/shrub planting plan (MN-CONS-7).

**Woody Residue Treatment – 384**

- Mandatory documentation.
- Practice Objective.
- Management Plan.

**INTERIM STANDARDS**

**Vegetated Subsurface Drain Outlet – 739**

- Mandatory documentation.
- TBD