Sample Plan		General Information:
FROSTON CONTROL PL	AN NARRATIVE	
References: Design Scene:	Chapter 13 - Turf Establishment and Erosion Control	MnDOT requires that persons designing Erosion Control Pic Phase II requirements must pass a certification course in Pollution Prevention Plans". (See: <u>http:/erosion.umn.ec</u> and schedules.)
		If the project disturbs 1 or more acres of land, the Temp Control Plans must meet the requirements of the MPCA Gene Discharge Storm Water Associated with a Construction Act
		A certified designer must fill out the "SWPPP Certification the project file.
Road Design Manua	1: Chapter 8-5	If the project requires a NPDES permit, then the Storm Wo All waters of the State, including existing wet Inventory Map, Impaired Waters identified as pe (www.pca.state.mn.us/water/tmdl/index.html) and (www.pca.state.mn.us/index.php/view-document.htm and contain: Land feature changes (in acres) for both bef a. Total disturbed area b. Total existing impervious surface c. Total proposed impervious surface d. Net change in impervious surface
Noda besign manaa		
		If the project disturbs 10 or more acres, a sediment pone Refer to the NPDES permit for requirements. Provide for
Standard Plans:	5-297.404 Permanent Erosion Control Along Roadways, Ditches and Flume 5-297.405 Temporary Sediment Control (7 Sheets) 5-297.406 Permanent Sediment Control Along Roadways and at Gore Areas & Bridge Approach Fills	s Erosion prevention and sediment control may be combined Separate plan sheets are recommended only to:
	5-297.407 Permanent Sediment Control Bioengineering Soil Stabilizatio	n 1. Avoid cluttering the plan sheets.
Spec. Book:	1717, 2573, 2575	 Make it easier for the contractor or subc the plan. The use of separate plan sheets projects or when grading is to be done ne
		Temporary erosion control may be combined with Staging o
Miscellaneous:	Stormwater Program for Construction Activity (www.pca.state.mn.us/water/water-permits-and-rules). NPDES permit requirements (including SWPPP requirements).	Include a note on the erosion control sheet "silt fence contour line".
	Erosion and Sediment Control Certification and ETeam Training Program Manual (www.dot.state.mn.us/environment/)	For sediment basins, provide a Sediment Trap Excavation that it must be cleaned at least twice per construction
	MPCA Best Management Practices Manual (www.pca.state.mn.us/water/water-publications/)	Include a note stating "The Contractor shall provide app areas." Consider designating stockpile areas on staged Fence and Rapid Stabilization to prevent erosion.
	Office of Environmental Stewardship Website (www.dot.state.mn.us/environment/)	Provide berms or ditch blocks where appropriate (include
	SWPPP Certification Form (S:\Design\Tricks and Tips\SWPPP CERTIFICATION FORM.doc)	Place erosion control devices in such areas as ditches, control. Additional erosion control and sediment contro
		New construction should be distinguished from inplace by

ans for projects with NPDES n the "Desian of Stormwater du/courses/default.htm for course details porary and Permanent Erosion eral Permit Authorization to ivity under the NPDES permit. ion Form" and place it in ater Pollution Prevention Plan must denote: tlands identified on the National Wetlands er MPCA Maps of Impaired waters Special Waters Lists ml?aid=7375. fore and after construction: area area area d or approved alternate must be included in the plan. basin maintenance and dewatering. with the drainage and superelevation plan sheets. contractor to understand and implement is especially important for complex ear sensitive areas. or Removal Plans. shall follow, as close as possible, to a single pay item. A note should be provided in the plan season or as recommended by WRE. ropriate erosion control devices for stockpile construction, possibly providing Superduty Silt elevations, details, locations, etc.). drop inlets, etc. for temporary and permanent erosion of recommendations are provided in the BMP Manuals. y use of heavier line weights.

EROSION CONTROL PLAN NARRATIVE

General Information:

The designer should coordinate the development of the erosion control plan with Construction and the appropriate Water Resources Engineering personnel and the erosion control specialist.

It is desirable to request a review of these sheets from the Water Resources Engineering Erosion Control Specialist. (60% & 95%)

Erosion Control protection of areas of environmental sensitivity(i.e. wetlands, streams, lakes, etc.) should be given special emphasis. Note each wetland type in the plan. Consider Site Plan requirements in these critical areas. Wetlands should be delineated by WRE and shown in the Plan.

The designer should address staged projects and the need for temporary seeding and other erosion control measures.

Schedule construction of ponds and storm water treatment systems early in the staging plans if possible.

It is recommended that the construction limits be shown on the Erosion Control Plans. unless the plan sheets would become too cluttered.

Consider Erosion Control by the Lump Sum for larger projects. Discuss with Construction and WRF.

Early and continuous coordination with the Army Corp of Engineers regarding wetland impacts is required.

Sample Plan

FROSTON CONTROL PLAN ----- CHECKLIST

____1. North arrow

____2. Bar Scale

- ____ 3. Right-of-way, easements, and construction limits
- ____5. Identify locations of Rapid Stabilization Methods 1,2.3.4 or 5 if needed
- ____6. Identify Site Plan Requirement Areas, if appropriate.
- ____7. Legend descriptions should match the pay items
- 8. Topographic features (Examples: ravines, steep slopes, tree lines, drainage ways, etc.)
- ____10. Existing and proposed drainage flow with arrows, indicate where flows enter or exit the R/W
- ____11. Drainage devices (Examples: storm sewers, catch basins, manholes, culverts. detention ponds. etc.)
- ____12. Erosion control staging, if appropriate
- ____13. Temporary and/or permanent sedimentation basins, if required
- 14. Appropriate standard plan sheets
- 15. See Drainage Plan Checklist, if applicable
- ____16. See Superelevation Plan Checklist, if applicable
- ____17. Cross references to other sheets (as applicable)
- 18. Signed "SWPPP Certification Form" in project file
- 19. Drawn by: and Checked by: Initials and Engineer's signature

____4. Erosion prevention and sediment control devices (Examples: sediment basins. inlet protection. silt fence, topsoil perimeter berms, biorolls, riprap, temporary/permanent seeding, etc.) 9. Areas of Environmental sensitivity labeled (Examples: lakes, streams, and wetlands type 1-8)

EROSION CONTROL PLAN NARRATIVE AND CHECKLIST

