Focusing on one set of regulations can miss opportunities for resource enhancement, or worse, leading to conflicts.
Best Practices Manual

Best Practices for Meeting DNR General Public Waters Work Permit GP 2004-0001

This manual has been developed for meeting Attachment A: Additional Conditions for Minnesota Department of Natural Resources (DNR) General Public Waters Work Permit (GP) 2004-0001, issued to Mn/DOT for the repair or reconstruction of culverts, bridges, or stormwater outfalls impacting Public Waters. When applicable, this manual is to be used in the same manner as Mn/DOT manual series for the design and construction of transportation projects. The DNR recommends information contained in this manual be incorporated into the plans and specifications for proposed projects.

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Chapter 1

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Invasive Species - The Mantra:

Clean

Drain

Dry
Know where they are before you bid:

http://files.dnr.state.mn.us/eco/invasives/infested_waters.pdf
Applies to all equipment that has been in contact with invested waters
Looming issues with common erosion / sediment control products?
It’s the plastic mesh netting…
Do not use in:

Ø Areas of known Listed Species habitat (reptiles and amphibians) habitat.

Ø Areas that will have regular mowing.

Alternatives

Ø Bio-netting, natural netting, bio-logs, mulch options, etc
Silt Curtain:
Often misused in moving water situations
In moving water: Use curtain with caution

Ø Consider it a specialty item:

Ø Use only for limited amount of time (during in-water disturbance).

Ø Keep it parallel to flow, and as close to the work area as possible.

Ø Do not leave in for long term
Silt Curtain has its place.....
Silt fence
It is NOT required to be used for perimeter fence
Good placement
Native seed mix
Killing machines ??
MnDOT typical design for riprap slopes with geotextile filter
Compost Grouting / riprap seeding
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Questions ?