Figure 18: Mn/DOT Ditch Stabilization Matrix with Recommended Treatment Methods

Erosion	Permissible	Ditch Grade														
Control	Shear	1% - 2%			2% - 4%			4% - 6%			6% - 9%			9% - 12%		
Method	Lbs/ft2	Max. Ditch Length			Max. Ditch Length			Max. Ditch Length			Max. Ditch Length			Max. Ditch Length		
		300'	600'	>600	300'	600'	>600	300'	600'	>600	300'	600'	>600	300'	600'	>600
Permanent Seed w/ Cover Crop & Type 1 Mulch	0.6		S	C												
Sod Ditch Check w/ Seed & Mulch	-				S	C										
3889 Type 1 Ditch Check	-						SC									
3878 EC SOD	1.0						SC									
3885 Cat 3, 4 Blanket	1.5								SC							
Sod w/ 3883 EC Netting Type 2	1.5							S	C							
3889 Type 6 Ditch Check	-									SC						
3885 Cat 5 Blanket	2.0									SC						
3888 ESM Class 2	3.5										SC					
3888 ESM Class 3	5													SC		
3889 Type 7 Ditch Check	-													SC		
3888 ESM Class 4	6															SC
3601 Type III, IV Riprap	14															SC