



# Universal Soil Loss Equation for Construction Sites

Dane County Land Conservation Division



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 Project: 3196 Aalseth Lane  
 Date: 9/5/2018

Version 2.2

Land Disturbing Activity	Begin Date	End Date	Period % R	Annual R Factor	Soil Map Unit	Soil Erodibility K Factor	Slope (%)	Slope Length (feet)	LS Factor	Land Cover C Factor	Soil loss $A = \%R \times R \times K \times LS \times C$ (tons/acre)	Percent Reduction Required
												(7.5 tons/acre)
disturb ground ▾	10/15/2018	11/30/2018	4.9%	150	BoC2	0.37	11.1%	85	1.49	1.00	4.1	<div style="text-align: center;">             ↓         </div>
disturb ground ▾	11/30/2018	12/10/2018	0.7%	150	BoC2	0.37	13.3%	30	1.18	1.00	0.5	
apply mulch ▾	12/10/2018	8/30/2019	79.4%	150	BoC2	0.37	13.3%	30	1.18	0.12	6.2	
seed and mulch ▾	8/30/2019	-----	17.4%	150	BoC2	0.37	13.3%	30	1.18	0.12	1.4	
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<b>TOTAL</b>											<b>12.1</b>	<b>38%</b>

## Land Disturbing Activities:

### input

disturb ground  
 apply mulch  
 seed and mulch  
 seeding  
 sod  
 paving

### definition

activity which leaves the ground devoid of vegetation  
 application of straw mulch at 1.5 tons/acre  
 seeding and application of straw mulch at 1.5 tons/acre  
 temporary or permanent seeding without the use of mulching materials  
 installation of sod  
 providing 100% cover to disturbed ground with paving materials or stone

Notes: Silt fence or sock at slope bottom will reduce the soil loss to 42%.

Designed By:	EMB
Date	9/5/2018
Checked By:	AFF
Date	9/5/2018