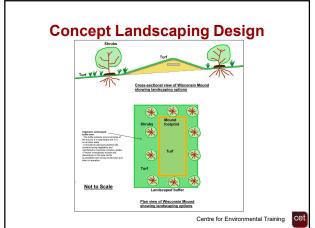


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Design Principles

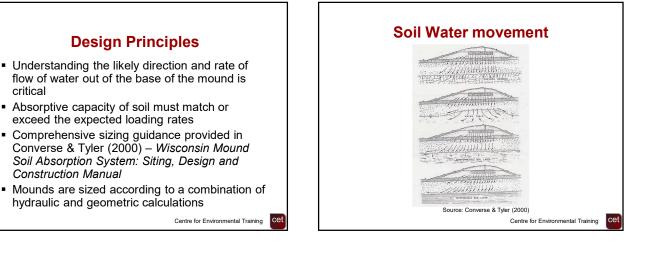
exceed the expected loading rates

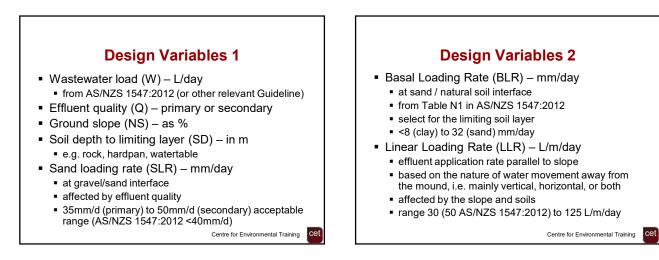
hydraulic and geometric calculations

Construction Manual

critical







2

	Design BLRs					
Soil Category	Soil Texture	Soil Structure ^[2]	Indicative Permeability (K _{stit}) (m/day)	Indicative Drainage Class	Design BLR (mm/day)	
1	Gravel, sand, loamy sand, clayey sand	Massive	> 3.0	Rapidly drained	32	
2	Sandy loam, fine sandy loam	Weak Massive	> 3.0 1.4 - 3.0	Well drained	24 24	
3	Loam, sity loam, loam fine sandy	Moderate or strong Weak or massive	1.5 - 3.0 0.5 - 1.5	Moderately well drained	24 16	
4	Clay loam, sandy clay loam, fine sandy clay	Moderate or strong Weak	0.5 - 1.5 0.12 - 0.5	Imperfectly drained	16 8	
	loam, sity loam	Massive	0.06 - 0.12		(see note 3)	
5	Light clay, sandy clay	Strong Moderate Weak or massive	0.12 - 0.5 0.06 - 0.12 < 0.06	Poorty drained	8 (see note 3) (see note 3)	
6	Medium to heavy clay	Strong Moderate	0.06 - 0.5 < 0.06	Very poorly drained	(see note 3) (see note 3)	
Stru stru: The shou impr account mou	cture classes are tures should be a use of mounds or ald be tested and ovement, design ptable BLR for so nds may not be s	Weak or massive the are adapted from Table for soltwith primatic, to insumed to be "massive" these soils advice obta of the distribution system of the distribution system choices and the solution of the soltwith commany be utable.	locky or granular s for the purpose of eful investigation a ined, particularly in and landscaping o equal to or less the	tructures. Soils a assigning conse nd design. Soil p relation to soil a on and around th an 5 mm/day and	vative BLRs. semeability mendment / s mound. The	

