

Grade Control Structure Design Information Sheet

Imperial Units

This worksheet is a supplement to Publication 832: Agricultural Erosion Control Structures: A Design and Construction Manual.

Design Parameters for Grade Control Structures

No.	Description	Input Value
1	Watershed area	_____ ac
2	Average grade of watershed	_____ %
3	Runoff curve number from Tables 2.2 – 2.4	_____
4	Peak flow from watershed for a 10-year storm from Table 2.5-I to 2.11-I	_____ ft ³ /s
5	Grassed waterway dimensions (where applicable)	T = _____ ft D = _____ ft
6	Grade control structure vertical drop	_____ ft
7	Grade control structure weir design from Table 4.23-I	Weir width (W): _____ ft Water depth (D): _____ ft Weir flow: _____ ft ³ /s

Tables and figures referenced in this document are found in [Publication 832: Agricultural Erosion Control Structures: A Design and Construction Manual](#)

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