Rock Chute Design Information Sheet

Imperial Units

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

Section 1: Watershed & Chute Information

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	Rock chute fall	_____ ft
6	Horizontal distance to obtain chute fall	_____ ft
7	Grade to fit	Line (**5**) _____ ft ÷ Line (**6**) _____ ft x 100 = _____ %
8	Type and size of input device	_____
9	Type and size of output device	_____

Section 2: Chute Dimensions

No.	Description	Input Value
10	Chute slope from Tables 4.12-I to 4.14-I	_____ :1 or _____ %
11	Side slope	_____ :1
12	Bottom width	_____ ft
13	Chute depth	_____ ft
14	Chute width	_____ ft
15	Total chute length	_____ ft

Section 3: Rock Riprap Volume

No.	Description	Input Value
16	Rock riprap to order for chute	Line (**13**) _____ × Line (**14**) _____ x Line (**15**) _____ = _____ ft^3
17	Additional rock riprap to order for transitions, curves, etc	_____ ft^3
18	Total rock riprap to order	Line (**16**) _____ + Line (**17**) _____ = _____ yd^3

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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