Work Sheet 1 – Roof Gutter Design

COOPERATOR _____ DATE 03/23/2005

ADDRESS _____ BY _____

1) Ten-year or twenty-five-year frequency five minute rainfall, from Chart 1.
(Rainfall intensity _____ ft./sec.)

Note: For systems protecting a waste storage structures, use the 25-year frequency.

2)	**(Length x Width) = Roof Area**			**Rainfall Intensity**		**Peak Flow**
Roof #_____	_____x_____	=	0 sq.ft.	X	_____ft./sec.	= 0.000 cfs
Roof #_____	_____x_____	=	0 sq.ft.	X	_____ft./sec.	= 0.000 cfs
Roof #_____	_____x_____	=	0 sq.ft.	X	_____ft./sec.	= 0.000 cfs
Roof #_____	_____x_____	=	0 sq.ft.	X	_____ft./sec.	= 0.000 cfs
Roof #_____	_____x_____	=	0 sq.ft.	X	_____ft./sec.	= 0.000 cfs
Roof #_____	_____x_____	=	0 sq.ft.	X	_____ft./sec.	= 0.000 cfs
Roof #_____	_____x_____	=	0 sq.ft.	X	_____ft./sec.	= 0.000 cfs

3) Roof Gutter Size (From Figures 1, 2 or 3)

Roof #_____	Use _____"	Top K-Style Aluminum	@	1 1/2"	Pitch in 100 ft.
Roof #_____	Use _____"	Top K-Style Aluminum	@	6"	Pitch in 100 ft.
Roof #_____	Use _____"	Top K-Style Aluminum	@	6"	Pitch in 100 ft.
Roof #_____	Use _____"	Top K-Style Galvanized	@	6"	Pitch in 100 ft.
Roof #_____	Use _____"	Top K-Style Aluminum	@	6"	Pitch in 100 ft.
Roof #_____	Use _____"	Top K-Style Aluminum	@	6"	Pitch in 100 ft.
Roof #_____	Use _____"	Top K-Style Aluminum	@	6"	Pitch in 100 ft.

4) Downspout Opening (orifice) Sizing. (See Figure 4).

Roof #_____	Use _____ -	2" x 3"	Downspout w/_____"	(combination) Leader _____
Roof #_____	Use _____ -	2" x 3"	Downspout w/_____"	Leader _____
Roof #_____	Use _____ -	2" x 3"	Downspout w/_____"	Leader _____
Roof #_____	Use _____ -	2" x 3"	Downspout w/_____"	Leader _____
Roof #_____	Use _____ -	2" x 3"	Downspout w/_____"	Leader _____
Roof #_____	Use _____ -	2" x 3"	Downspout w/_____"	Leader _____
Roof #_____	Use _____ -	2" x 3"	Downspout w/_____"	Leader _____

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Underground Outlet Design Sheet - Worksheet 2

Design Reach			Length In design reach	Input "Q" this reach	Input upper reaches	Total required "Q"	Minimum grade in reach	Pipe Size	Minimum capacity	Minimum velocity
Line	Sta. to	Sta.	(Feet)	(CFS)	(CFS)	(CFS)	(Ft/Ft)	(Inches)	(CFS)	(FPS)
			0			0.000				
			0			0.000				
			0			0.000				
			0			0.000				
			0			0.000				
			0			0.000				
			0			0.000				
			0			0.000				
			0			0.000				
			0			0.000				
			0			0.000				
			0			0.000				
			0			0.000				

Cooperator:
Address:
Job Class:
Comments:

Designed by: Date: 03/23/2005
Approved by: Date:
Certified by: Date:

DESIGN SKETCH

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