



PARABOLIC CROSS SECTION

CONSTRUCTION DETAILS

WATERWAY NUMBER	REACH		CHANNEL SLOPE(%)	TOP WIDTH(T) FEET	TOTAL DEPTH(D) FEET	LENGTH FEET
	FROM	TO				

NOTES AND SPECIFICATIONS:

1. TOPSOIL SHALL BE STOCKPILED AND RESPREAD ON THE WATERWAY WHEN NEEDED TO FACILITATE REVEGETATION.
2. PLACE SPOIL WHERE IT WILL NOT INTERFERE WITH SURFACE WATER FLOW INTO THE WATERWAY.
3. MAINTENANCE ITEMS – REPAIR AREAS OF DAMAGED VEGETATION. DO NOT USE THE WATERWAY FOR A TRAVEL LANE. DO NOT PLOW INTO THE WATERWAY SIDES.

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THIS STANDARDIZED DESIGN MUST BE ADAPTED TO THE SPECIFIC SITE.



PARABOLIC GRASSED WATERWAY

CLIENT: \_\_\_\_\_  
 COUNTY: \_\_\_\_\_

Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked \_\_\_\_\_  
 Approved \_\_\_\_\_

Date \_\_\_\_\_  
 Drawing Name  
 WI-402B  
 Date  
 07/14  
 Sheet of \_\_\_\_\_

**DESIGN DATA**

WATERWAY SOILS 1 \_\_\_\_\_

MAXIMUM PERMISSIBLE VELOCITY = \_\_\_\_\_ FPS

WATERWAY NUMBER	REACH		D.A. IN (ACRES)	DESIGN FREQ.	Q (CFS)	RET <sup>2</sup> (VEL)	RET <sup>2</sup> (CAP)	DESIGN V (FPS)	CHANNEL SLOPE (%)	TOP WIDTH (T)	FLOW DEPTH (FT.)
	FROM	TO									

- UNIFIED SOIL CLASSIFICATION SYSTEM
- RET (VEL) IS THE RETARDANCE FOR DETERMINING DESIGN VELOCITY (NORMALLY "D").  
RET (CAP) IS THE RETARDANCE FOR DETERMINING THE FLOW DEPTH FOR CAPACITY (NORMALLY "B" OR "C").

**SEEDING AND CONSTRUCTION CHECK**

DESIGN DATA					AS-BUILT DATA					
WATERWAY NUMBER	REACH		WIDTH TO VEGETATE (FT.)	AREA (ACRES) (SQ.YDS.)	SEEDING IN (ACRES)	SODDING IN (SQ.YDS.)	CHANNEL SLOPE (%)	TOP WIDTH (FT.)	DEPTH (FT.)	LENGTH (FT.)
	FROM	TO								
TOTALS										
TOTALS										

THIS PRACTICE MEETS SCS STANDARDS, SPECIFICATIONS, AND CONSTRUCTION PLANS.

\_\_\_\_\_  
SIGNATURE & TITLE

\_\_\_\_\_  
DATE