



TRAPEZOIDAL CROSS SECTION

CONSTRUCTION DETAILS

WATERWAY NUMBER	REACH		CHANNEL SLOPE(%)	BOTTOM WIDTH (B) FEET	DEPTH (D) FEET	SIDE SLOPE (Z)	TOP WIDTH (T) 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.

 United States Department of Agriculture Natural Resources Conservation Service	TRAPEZOIDAL GRASSED WATERWAY		Designed _____ Date _____ Drawn _____ Checked _____ Approved _____	File Name WI-402Aa Date 07/14 Sheet _____ of _____
	CLIENT: _____			
	COUNTY: _____			

DESIGN DATA

WATERWAY SOILS¹ _____

MAXIMUM PERMISSIBLE VELOCITY = _____FPS

WATERWAY NUMBER	REACH		D.A. IN (ACRES)	DESIGN FREQ.	Q (CFS)	RET 2 (VEL)	RET 2 (CAP)	DESIGN V (FPS)	CHANNEL SLOPE (%)	BOTTOM WIDTH (B)	SIDE SLOPES (Z)	FLOW DEPTH (FT.)	TOP WIDTH (T) (FT.)
	FROM	TO											

1. UNIFIED SOIL CLASSIFICATION SYSTEM
2. 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 (%)	BOTTOM WIDTH (FT.)	SIDE SLOPES (Z)	DEPTH (FT.)	LENGTH (FT.)	
	FROM	TO										
TOTALS												TOTAL

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

SIGNATURE & TITLE

DATE