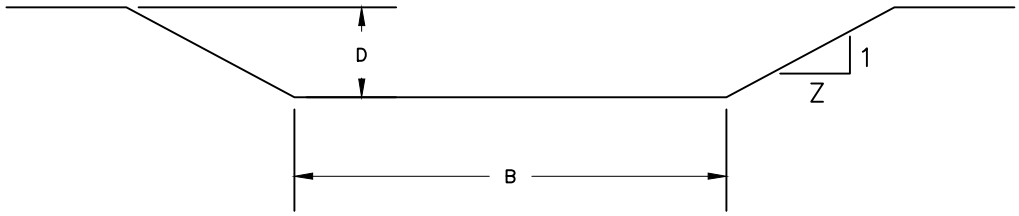

TRAPEZOIDAL CROSS SECTION

CONSTRUCTION DETAILS

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

USDA United States Department of Agriculture
Natural Resources Conservation Service

TRAPEZOIDAL GRASSED WATERWAY

CLIENT: _____
COUNTY: _____

Date
Designed _____
Drawn _____
Checked _____
Approved _____

File Name WI–402A
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 2 (VEL)	RET 2 (CAP)	DESIGN V (FPS)	CHANNEL SLOPE (%)	BOTTOM WIDTH (B)	SIDE SLOPES (Z)	FLOW DEPTH (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