



CONSTRUCTION DETAILS

WATERWAY NUMBER	REACH		CHANNEL SLOPE(%)	BOTTOM WIDTH(B) FEET	MINIMUM 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.
4. TILE SHALL BE PERFORATED POLYETHYLENE. MATERIALS AND INSTALLATION SHALL CONFORM TO WI CONSTRUCTION SPECIFICATION 44, ATTACHED.
5. TILE GRADE SHALL BE A MINIMUM OF ___%, OR AS SHOWN ON PROFILE DRAWING SHEET ___.
6. A ___' OUTLET SECTION WITH ANIMAL GUARD IS REQUIRED FOR THE TILE. THE OUTLET SECTION MAY BE PVC, CMP, SMOOTH WALL PE, OR OTHER SUITABLE MATERIAL APPROVED BY FIELD TECHNICIAN. OUTLET LOCATION AS SHOWN ON PLAN VIEW SHEET ___.

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

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.)
	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