

DESIGN SHEET (GRASSED WATERWAY OR DIVERSION)

OPERATOR _____ ADDRESS _____
 COMMUNITY _____ JOB APPROVAL CLASS _____
 FIELD NO. _____ DESIGNED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

WATERWAY OR DEVERSION DESIGN

DESIGN #1	DESIGN #2	DESIGN #3
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(WATERWAY: EFM CHAP.7) (DIVERSION: EFM CHAP.9 OR EXHIBIT WV7-4)

1. LOCATION (LINE AND STATIONS) _____

2. ADJUSTED PEAK DISCHARGE q_p , (FROM WV-ENG-1) _____ CFS

3. CROSS-SECTIONAL SHAPE: _____

(FILL IN - PARABOLIC, TRAPEZOIDAL OR "V" SHAPED)

("V" SHAPE FOR DIVERSIONS ONLY)

4. SOIL TEXTURE _____

5. CHANNEL VEGETATION (AS-BUILT) _____

(FILL IN - GOOD, FAIR OR POOR)

6. PERMISSIBLE VELOCITY, V_p , (TABLE 9-1, RETARDANCE D) _____ FPS

7. CHANNEL SLOPE _____ %

DESIGN CROSS SECTION (RETARDANCE C)

8. TOP WIDTH T (RETARDANCE C) _____ FT

9. DEPTH D (RETARDANCE C) _____ FT

10. VELOCITY V_1 (RETARDANCE D) ** _____ FPS

DIVERSION BERM (ENGINEERING STANDARD 362)

11. FREEBOARD HEIGHT (FB) _____ FT

12. SETTLEMENT HEIGHT (S) _____ FT

13. TOTAL (FB + S) _____ FT

** VELOCITY FOR STABILITY (V_1) MUST BE LESS THAN OR EQUAL TO THE PERMISSIBLE VELOCITY (V_p) IN LINE 6 FOR THE DESIGN TO BE ACCEPTABLE.