

**WATERWAY DESIGN**

WATERWAY NO. \_\_\_\_\_  
RAINFALL DIST. TYPE II OR III D.A. \_\_\_\_\_ AC. CLASS \_\_\_\_\_  
SOIL \_\_\_\_\_ LAND USE OR PRACT. \_\_\_\_\_  
HYD. CONDITION \_\_\_\_\_ HYD. GROUP \_\_\_\_\_  
C.N. \_\_\_\_\_ W/S SLOPE \_\_\_\_\_% GRADE \_\_\_\_\_ FT/100 FT.  
FLOW LENGTH \_\_\_\_\_ FT. Tc \_\_\_\_\_ HRS  
RAINFALL(10 YRS) \_\_\_\_\_ IN. Ia \_\_\_\_\_ IN. Ia/P \_\_\_\_\_  
RUNOFF \_\_\_\_\_ IN. Qu \_\_\_\_\_ CFS/AC/IN  
Q 10 YRS.= \_\_\_\_\_ CFS VEG. COVER \_\_\_\_\_  
COND OF VEG. \_\_\_\_\_, \_\_\_\_\_ IN. TO \_\_\_\_\_ IN. TALL  
ERODIBILITY \_\_\_\_\_ PERM. VEL (V<sub>1</sub>) \_\_\_\_\_ FT./SEC.  
Tw= \_\_\_\_\_ +4= \_\_\_\_\_ FT. DEPTH= \_\_\_\_\_ +.25= \_\_\_\_\_ FT.  
V<sub>2</sub>= \_\_\_\_\_ FT./SEC. TOP WIDTH (USED) \_\_\_\_\_ FT.  
AREA=(W) \_\_\_\_\_ FT. X (L) \_\_\_\_\_ FT./43560= \_\_\_\_\_ AC.  
VEGETATION \_\_\_\_\_  
DESIGNED \_\_\_\_\_ CHECKED \_\_\_\_\_