

Design Procedure Form: Grass Buffer (GB)

Designer: _____
 Company: _____
 Date: _____
 Project: _____
 Location: _____

1. 2-Year Design Discharge (Total)	$Q_2 =$ _____ cfs
2. Tributary Catchment Flow A) Design Length (Normal to runoff flow path): $L_G = Q_2 / 0.05$ B) Tributary Area in Square Feet (A_t)	$L_G =$ _____ feet $A_t =$ _____ square feet
3. Design Width Along Direction of Flow (Use A or B) A) Sheet Flow Control Upstream i) Length of Flow Path Over Upstream Impervious Surface ii) Design Width of Buffer: $W_G = 0.2 * L_1$ (8' minimum) B) Concentrated (Non-Sheet) Flow Control Upstream (requires a level spreader in step 5 below) i) Length of Upstream Flow Level Spreader ii) Design Width of Buffer: $W_G = 0.15 * A_t / L_1$ (8' minimum)	$L_1 =$ _____ feet $W_G =$ _____ feet $L_1 =$ _____ feet $W_G =$ _____ feet
4. Design Slope (not to exceed 4%)	$S =$ _____ %
5. Flow Distribution (Check the type used or describe "Other") Note: If Method B was Used In Step 3, Level Spreader Must Be Checked Here	_____ Slotted Curbing _____ Modular Block Porous Pavement _____ Level Spreader _____ Other: _____
6. Vegetation (Check the type used or describe "Other") Note: Irrigated Turf Grass Is Required in Semi-Arid Climates	_____ Irrigated Turf Grass _____ Non-Irrigated Turf Grass _____ Other: _____
7. Outflow Collection (Check the type used or describe "Other")	_____ Grass Lined Swale _____ Street Gutter _____ Storm Sewer Inlet _____ Underdrain Used _____ Other: _____

Notes: _____

