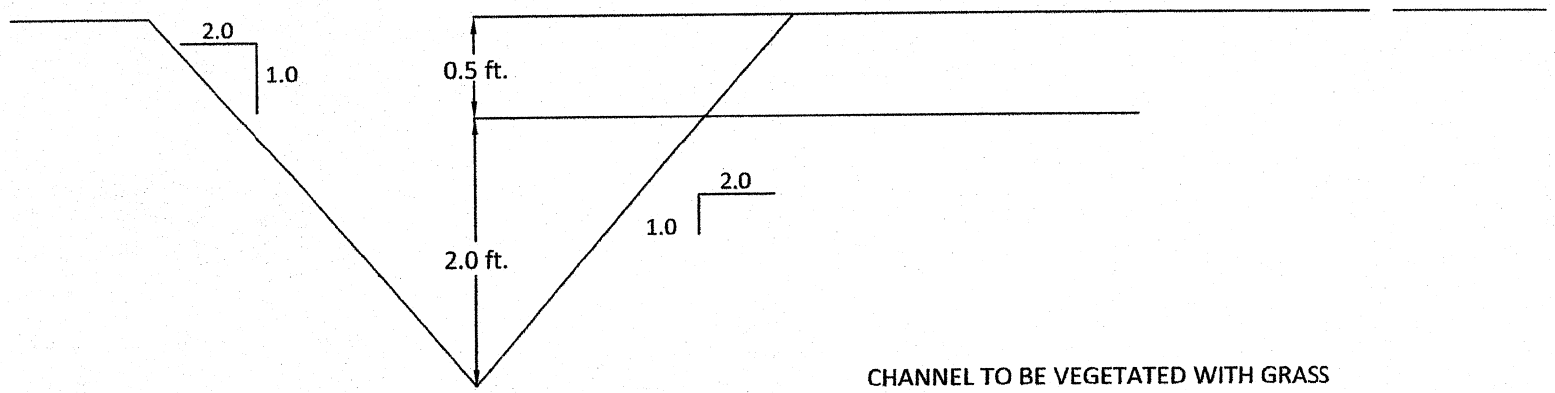
TYPICAL ROAD DITCH 0.5% – 10.0%
VEGETATED CHANNEL CROSS–SECTION



CHANNEL TO BE VEGETATED WITH GRASS MIXTURE, PREDOMINANTLY BERMUDA & FESCUE.

Design Discharge: 3.0 cfs
Limiting Velocity: 5.0 fps

	0.5 % Slope		10.0% Slope	
	STABILITY	CAPACITY	STABILITY	CAPACITY
Depth:	1.22 ft.	2.03 ft.	0.65 ft.	1.01 ft.
Depth w/ Freeboard:	1.72 ft.	2.53 ft.	1.15ft.	1.51 ft.
Top Width:	4.89 ft.	8.11 ft.	2.59 ft	4.03 ft.
Top Width w/Freeboard:	6.89 ft.	10.11 ft.	4.59 ft.	6.03 ft.
VELOCITY:	1.00 fps	0.36 fps	3.57 fps	1.48 fps
X-SECTION AREA:	2.99 sq. ft.	8.23 sq. ft.	0.84 sq. ft.	2.03 sq. ft.
HYDRAULIC RADIUS:	0.546	0.907	0.29	0.451
FROUDE NUMBER:	0.23	0.06	1.11	0.37
ROUGHNESS COEFFICIENT:	0.0700	0.2706	0.0577	0.1873