LEVEL SPREADER FOR DIVERSION OUTLET

Contributing Area
Road, Parking Lot
Flow
Grade = 0%
Length = L =
Outlet Onto Stable Area.
Vegetated Undisturbed
Soil Or Filter Strip
Grade = 0%
Width = W =
Rigid Or Vegetated Lip
Control E1 = _____Ft

LEVEL SPREADER FOR IMPERVIOUS AREAS

NOTES:
1. Ends of spreader shall be tied into higher
   ground to prevent flow around level spreader.
2. See plans for L and W dimensions.

RIGID LIP WITH TIMBER
(DESIGN FLOWS 4 C.F.S. TO 30 C.F.S.)

Permanent Vegetation
Width = W =
Rigid Lip 6" x 6" Treated
Timber 8' Min. Lengths

Coarse Aggregate

2:1 Or Flatter

Depth = D =
3 Per 8' Length Of Lip
Undisturbed Soil—Slope 10% Or Flatter
Or Filter Strip—Slope 15% Or Flatter

Rigid Lip 6" x 6" Treated
Timber 8' Min. Lengths

Geotextile

Rigid Or Vegetated Lip

Permanent Vegetation

Width = W =

3' Min.
1' Min.

2:1 Or Flatter

6' Min.

Buried 6' Min.

Erosion Blanket
Stapled In Place
Per Manufacturer
Recommendations

VEGETATED LIP
(DESIGN FLOWS 4 C.F.S. OR LESS)

NOTES:
1. Coarse aggregate shall meet one of the following IDOT gradations: CA-1 or CA-3.
2. See plans for permanent seeding requirements
3. See plans for D and W dimensions.
4. Geotextile (non-woven, needle punched) min. criteria:
   - Grab Tensile strength (lb) ASTM D 4632
   - Elongation at failure (%) ASTM D 4632
   - Trapezoidal tear strength (lb) ASTM D 4533
   - Puncture strength (lb) ASTM D 6241
   - Ultraviolet light (% retained strength) ASTM 4355
   - Apparent opening size (AOS) ASTM D 4751
   - Permittivity sec^-1 ASTM D 4491

5. Any geotextile splices shall overlap a minimum of 18 inches, with upstream or
   up-slope geotextile overlapping the abutting downslope geotextile.