



- NOTES:
1. The coarse aggregate backfill shall meet the IDOT requirement for Gradation CA-1, CA-3 or RR-Gradation 1 Riprap.
 2. The Gabions shall be installed according to construction specification 64 WIRE MESH GABIONS.
 3. Baskets which are stacked in tiers shall have vertical seams staggered for each row and tier.
 4. Geotextile (non-woven, needle punched) min. criteria:

Grab Tensile strength (lb) ASTM D 4632	202
Elongation at failure (%) ASTM D 4632	≥50
Trapezoidal tear strength (lb) ASTM D 4533	79
Puncture strength (lb) ASTM D 6241	433
Ultraviolet light (% retained strength) ASTM 4355	min 50
Apparent opening size (AOS) ASTM D 4751	max 0.22 mm (US sieve size 70)
Permittivity sec ⁻¹ / ASTM D 4491	min 0.70
 5. Any geotextile splices shall overlap a minimum of 18 inches, with upstream or upslope geotextile overlapping the abutting downslope geotextile.

Date	10/1/13
Designed	M. QUINONES
Drawn	
Checked	
Approved	

STRUCTURAL STREAMBANK STABILIZATION
GABIONS 3 BASKETS HIGH W/O MAT

United States
Department of
Agriculture

Natural Resources
Conservation Service

SECTION