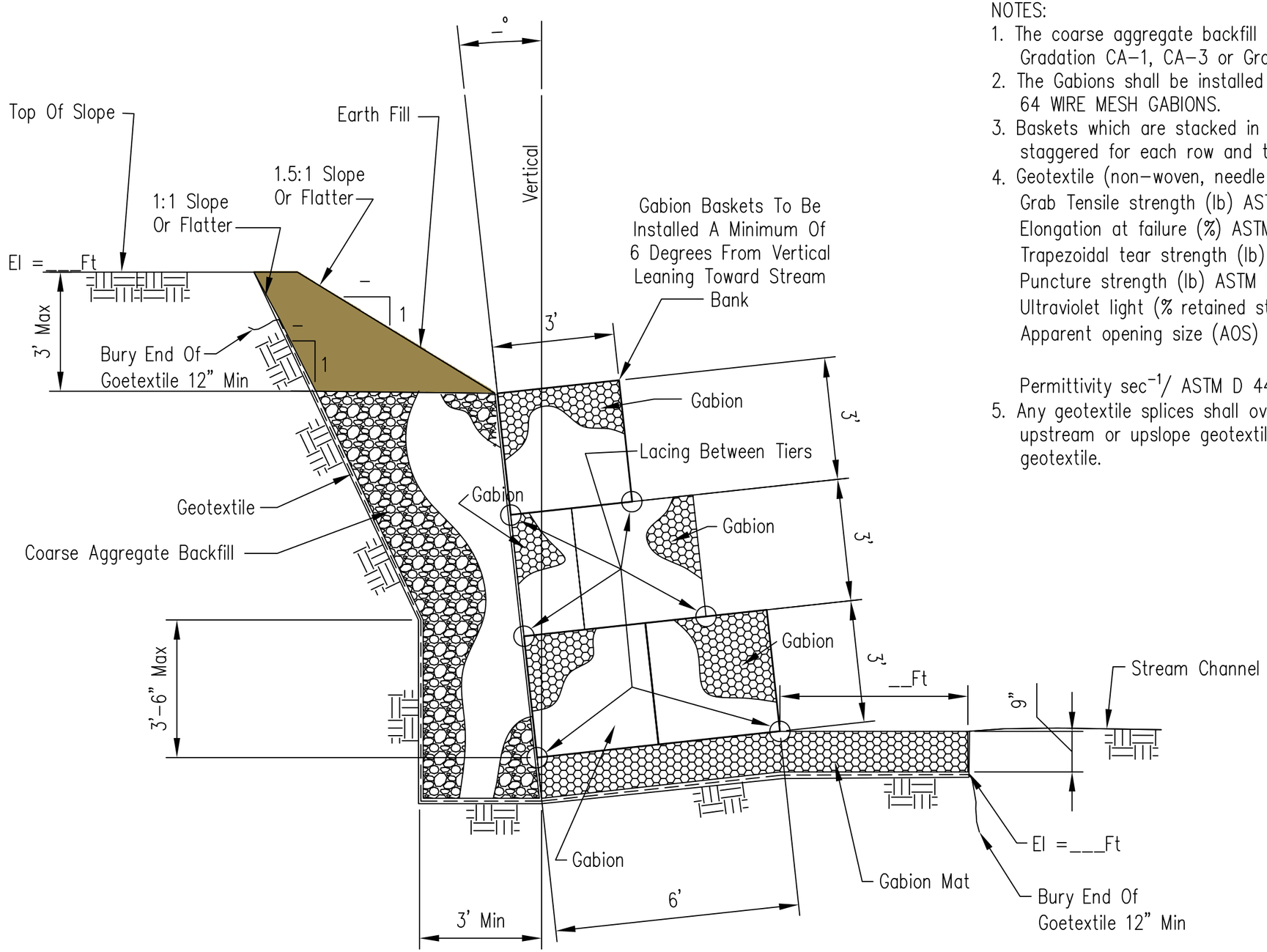

SECTION

NOTES:

1. The coarse aggregate backfill shall meet the IDOT requirement for Gradation CA-1, CA-3 or 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
Designed
Drawn M. QUINONES 10/1/13
Checked
Approved

STRUCTURAL STREAMBANK STABILIZATION
GABIONS 3 BASKETS HIGH WITH MAT

USDA United States Department of Agriculture
Natural Resources Conservation Service

File No.
IL-ENG-55
Drawing No.
Page 1 of 1
Sheet of