



Notes:

- 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 D 4355 \_\_\_\_\_ min 50
  - Apparent opening size (AOS) ASTM D 4751 \_\_\_\_\_ max 0.22 mm (US sieve size 70)
  - Permittivity  $\text{sec}^{-1}$  ASTM D 4491 \_\_\_\_\_ min 0.70
- Any geotextile splices shall overlap a minimum of 18 inches, with upstream or upslope geotextile overlapping the abutting downslope geotextile.
- The rock surface shall be compacted with the track or tire of the equipment used for construction over the entire surface and shall not leave any large depressions or irregularities that would not drain.

IDOT = Illinois Department Of Transportation

BILL OF MATERIAL		
Surface Material IDOT GRAD. CA 2 Quality Designation A	Tons	
Geotextile	Sq.Yd.	

Date 10/1/13

Designed M. QUINONES

Drawn

Checked

Approved

ROCK CROSSING FOR WATERWAY



File No. IL-ENG-80

Drawing No.

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