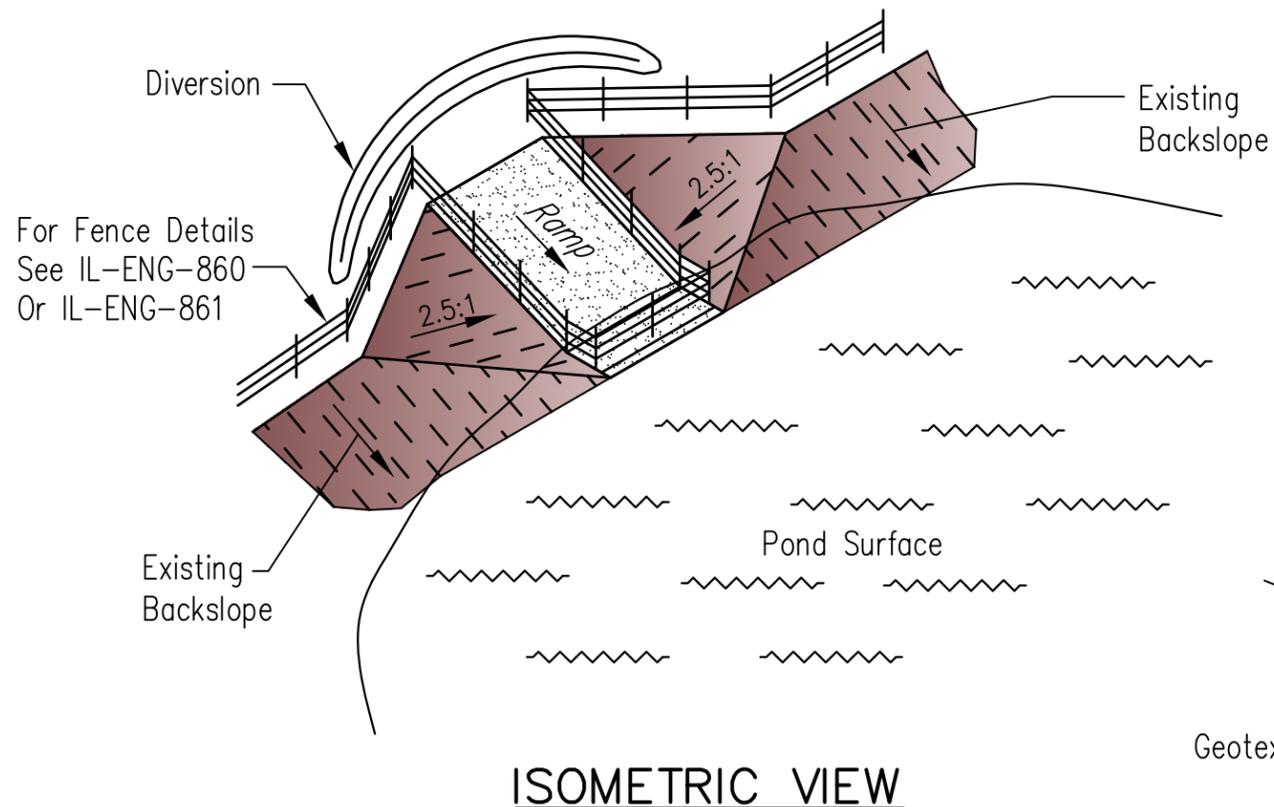
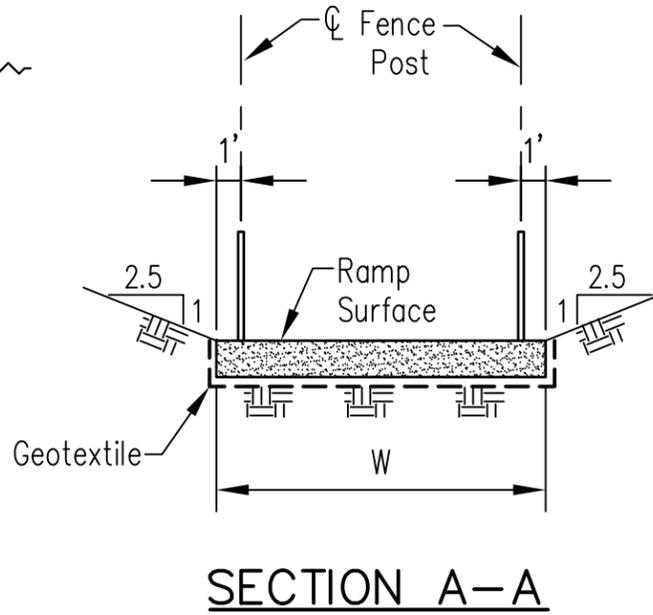


**TYPICAL CROSS SECTION**



**ISOMETRIC VIEW**



**SECTION A-A**

ESTIMATED QUANTITIES	
Excavation	Cu. Yd.
Geotextile	Sq. Yd.
Coarse Aggregate	Tons
Ramp Fencing	Feet
Seeding	Acres

Date: 4/1/14  
 Drawn: M. QUINONES  
 Checked: \_\_\_\_\_  
 Approved: \_\_\_\_\_

- Notes:
- The ramp should be used only on ponds with a reliable permanent pool water level. Planned design water level should be low enough to ensure water access during a dry season.
  - Surfacing material shall be compacted so that the entire surface is traversed by not less than one tread track of the load hauling equipment.
  - Diversion berm shall be constructed to direct surface flow away from excavated ramp, as directed by the engineer.
  - All disturbed areas not covered by gravel shall be seeded in accordance with Critical Area Planting Standard (Practice Code 342).
  - Excavated material shall be removed from site, used for diversion berm, or placed at least 12 feet from top edge of back slope and spread so that the height does not exceed 1 foot. The spoil material shall drain freely.
  - Geotextile (non-woven, needle punched) Minimum 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 sec<sup>-1</sup> 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.

DIMENSIONS  
 A = \_\_\_ Ft  
 W = \_\_\_ Ft

**POND WATERING RAMP**



File No. IL-ENG-863  
 Drawing No. \_\_\_\_\_  
 Page 1 of 1  
 Sheet of \_\_\_\_\_

Landowner	Location
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