NOTES:

1. Coarse aggregate shall be gravel, crushed gravel, pit run gravel or crushed stone and shall conform to the requirements of IDOT Standard Specification for Road and Bridge Construction Article 1004.01 and CA-18 gradation.

2. Geotextile (non-woven, needle punched) min. criteria:
   - Grab Tensile strength (lb) ASTM D 4632 ___________ min. 202
   - Elongation at failure (%) ASTM D 4632 ___________ min. 50
   - Trapezoidal tear strength (lb) ASTM D 4533 ___________ min. 79
   - Puncture strength (lb) ASTM D 6241 ___________ min. 433
   - Ultraviolet light (% retained strength) ASTM 4356 ___________ min. 50
   - Apparent opening size (AOS) ASTM D 4751 ___________ max. 0.22 mm (US sieve size 70)
   - Permeability sec⁻¹ ASTM D 4491 ___________ min. 0.7

3. Any geotextile splices shall overlap a minimum of 18 inches, with upstream or upslope geotextile overlapping the abutting downslope geotextile.

4. New tile should be equal to or better than existing tile. Dual Wall polyethylene tubing conforming to ASHTO M-252 or M-294 may be used where existing tile is rigid conduit (clay or concrete).