



Sediment Control Test Results via ASTM D 5141

Client: Silt Saver TRI Log #: 665 Date: 1/12/2018 Temperature, C: 17 Technicians: JWS/AMH

| Sample ID | Composition | Specimen # | Soil Type | Test Configuration (Vertical or Horizontal) | Specimen Width, cm | Flow Volume (L) | Distance from SRD to the edge of water behind SRD at end of 25 min (mm) | Flow Rate (m ³ /m ² /min) | Flow Rate (GPM/ft ²) | Initial Mass of Soil (g) | Final Mass of Soil (g) | Filtering Efficiency (%) |
|-----------|--------------------------|------------|-------------|---|--------------------|-----------------|---|---|----------------------------------|--------------------------|------------------------|--------------------------|
| BSRF P-1 | NW Geotextile Silt Fence | 1 | Clear Water | Vertical | 81 | 50 | 0 | 1.050 | 25.766 | 0 | 0.00 | n/a |
| | | | Silty Clay | Vertical | 81 | 50 | 382 | 0.036 | 0.883 | 150 | 3.32 | 97.8 |
| | | | Silty Clay | Vertical | 81 | 50 | 608 | 0.026 | 0.644 | 150 | 2.93 | 98.0 |
| | | | Silty Clay | Vertical | 81 | 50 | 774 | 0.019 | 0.468 | 150 | 3.37 | 97.8 |
| Avg | | | | | | | | 0.027 | 0.665 | 150 | 3.21 | 97.9 |



Typical Upstream View - With Sediment-Laden Discharge



Typical Downstream View - With Sediment-Laden Discharge



Testing Apparatus (typical)

Calculations & Report by: C. Joel Sprague, P.E.
 Date: 16-Jan-18