

Sediment Control Test Results via ASTM D 5141

Client: SOX Erosion

Log #: 1051

Date: 6/9/2021

Temperature, C: 25

Technicians: TC

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 (%)
Sample T2 Single Layer	Knitted Geotextile	1	Clear Water	Vertical	81	50	0	3.628	89.051	0	0.00	n/a
			Silty Clay	Vertical	81	50	0	1.555	38.165	150	110.61	26.3



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: 22-Jun-21