Bank Stabilization Project Using Geo-Tubes
Invasive and Diseased Trees Removed.
Out goes the First Tube
Stakes are laid out
Down Spouts Extended Out and Under the First Tube
Stakes Installed to Attach the Tube to the Bank for Filling
Let the Filling Begin!!
Sediment from the Bottom of the Pond is Pumped into the Tube
The Tube Begins to Take Shape
First Tube Fat and Sassy
Second Tube is Rolled Out
Three Tubes Bulging With Joy
(Note How Firm the Tubes Are)
The Cutting of the Sacrificial Tube
Using the Soil in the Sacrificial Tube, The Soil is Spread to Create a More Natural Slope
Spreading of the Soil Complete
Covering of the Bank
Geo-Tube Installed
Lessons Learned
First Hard Rain – 3.5”
Uncovering the Damage
Repairing the damage
Shoveling soil from pond to bank and wheel barrowing in soil.
Removing existing sod around Pond
Smoothing the Transition between the existing land and the Geo-tubed area.
Re-installing the covering on the Geo-tubing and installing weed matting up to shrub line to limit erosion.
Filling in eroded areas between units, installing weed matting to limit erosion from Gutter overshoot in down pours.
Protected and Ready for Plants
Plants Arrive!!!
First Row Goes In
And the Next and The Next And...
And Trees And Ferns

Note our new Friend above!
Note: Septic Stone was added to area between units to disperse the force of the water falling 30 feet downward when rain is heavy.
Swamp Ferns, Walter’s Viburnum, and Lots of Muhly Grass.
Aquatic Plants to be installed in the Spring
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