

# Jefferson County Conservation District and USDA Natural Resources Conservation Service Land Lab Wetland with PVC Liner

<b>Contact for Liner:</b>	Environmental Protection Inc. P.O. Box 333 Mancelona, MI 49659 1-800-OK-LINER Fax: (616) 587-8020
<b>Material:</b>	20 mil PVC Liner (25-foot Preferred Length)
<b>Gravel:</b>	Pea Gravel (marble sized, washed) from Nugent Sand and Gravel, 584-0158 One cubic yard = 1.3 ton Gravel cost is approx. \$9 per ton Delivery charge is \$70 (estimated cost) Amount of gravel = (Cell Length) (Cell Width) X .5' Divided by 27 = Cubic Yards Cubic Yards X 1.3 = Ton of Gravel
<b>Pipe:</b>	(Building centers, i.e., Lowe's, Home Depot, Furrow, or Harco, Inc.) 3 or 4 inches (prefer 3 inches) corrugated flexible drainage tubing with holes or slits 6- to 10-ft. sections of corrugated flexible drainage tubing Two couplings Three 90s or elbows One tee
<b>Topsoil:</b>	(See local excavators.) Soil replacement to be determined by soil quality on site (If soil on site is not hydric or loamy, replace with good topsoil) Estimated Amount = 1 ft. Length Width = Cubic Feet of Soil Divide the cubic feet by 27 to get cubic yards of soil Topsoil is generally sold by the cubic yard.
<b>Excavated Hole Dimensions:</b>	20-foot wide (Length of liner, minus 5 feet) X 1.5 feet deep (make sure the cell site is level ) (if the site is not level, level it before digging the hole.)  ***The dimensions of a wetland cell can vary. The sizes referenced above are typical of what have been used on many school sites in Jefferson County.  (2000 Cost Figures)