

**Marquette Field Office
Alger and Marquette Counties**

Component Costs, August 2002	Cost per Unit	Unit
Aerators for commercial fish ponds	\$400.00	ea.
Aggregate, Crushed Limestone, 9-inch thick, with Class IV Woven Geotextile, Installed (Heavy Use Area)	\$34.00	cu. yd.
Agrichemical Containment Facility, Building ONLY, for Pesticide Containment and/or Mix-Load, Installed (floor and liner/sealer extra)	ask Eng.	sq. ft.
Agrichemical Containment Facility, Concrete Sealer, Installed	\$1.50	sq. ft.
Agrichemical Containment Facility, EPDM Liner, Installed	\$1.50	sq. ft.
Agrichemical Containment Facility, HDPE Liner, Installed	\$2.50	sq. ft.
Agrichemical Containment Facility, Non-Reinforced Concrete Floor, Reinforced Concrete Walls, Installed (liner extra)	\$11.00	sq. ft.
Agrichemical Containment Facility, Non-Reinforced Concrete Floor, Timber Walls, Installed (liner extra)	\$10.00	sq. ft.
Agrichemical Containment Facility, Prefabricated Sump with Grate, Installed	\$1,000.00	ea.
Agrichemical Containment Facility, Reinforced Concrete Floor, Concrete Block (2 ft. x 2 ft. x 4 ft. or x 6 ft.) Walls, Installed (liner extra)	\$11.00	sq. ft.
Agrichemical Containment Facility, Reinforced Concrete Floor, Reinforced Concrete Walls, Installed (liner or sealer extra)	\$12.00	sq. ft.
Agrichemical Containment Facility, Reinforced Concrete Floor, Timber Walls, Installed (liner extra)	\$8.50	sq. ft.
Agrichemical Containment Facility, with Earth Berm, Installed (liner extra)	\$1.50	sq. ft.
Aquatic Plant Establishment		ac.
Aquatic Weed Control - Chemical		ac.
Aquatic Weed Control - Habitat Manipulation		ac.
Aquatic Weed Control - Mechanical		ac.
Backhoe, Hydraulic, Track Mounted, with Operator	\$125.00	hr.
Backhoe/Loader, Tractor-type, with Operator	\$80.00	hr.
Bioengineering, Brush Layering	ask Eng.	sq. yd.
Bioengineering, Brush Mattress	ask Eng.	
Bioengineering, Cribwall, Live	ask Eng.	
Bioengineering, Fachines, Live	ask Eng.	ft.
Bioengineering, In Stream Rock Structures (Barbs, etc.)	ask Eng.	ea.
Bioengineering, Root Wads	ask Eng.	ea.
Bioengineering, Staking, Live	ask Eng.	ea.
Bioengineering, Tree Revetments	ask Eng.	
Bioengineering, Vegetated Geogrid	ask Eng.	
Biological treatment - pest management	ask bio	ac.
Bituminous Pavement, 3-inch thick, Installed	\$1.35	sq. ft.
Burning for prescribed burning	\$120.00	ac.
Chemical application for burndown	\$20.00	ac.
Chemical Weed Control	\$50.00	ac.
Concrete Block Chute, with Geotextile, Installed	ask Eng.	sq. ft.
Concrete Blocks, 2 ft. x 2 ft. x 4 ft., Installed	\$60.00	ea.
Concrete Blocks, 2 ft. x 2 ft. x 6 ft., Installed	\$60.00	ea.
Concrete, Non-Reinforced, 4-inch Thick over Compacted Sand, Flatwork, Installed	\$2.25	sq. ft.
Concrete, Non-Reinforced, 5-inch Thick over Compacted Sand, Flatwork, Installed	\$2.90	sq. ft.

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Concrete, Non-Reinforced, Low Slump, 4-inch Thick, Flat or Slope, Installed	\$2.50	sq. ft.
Concrete, Non-Reinforced, Low Slump, 5-inch Thick, Flat or Slope, Installed	\$3.10	sq. ft.
Concrete, Reinforced, Cast In Place, Flat or Slope Installed	\$200.00	cu. yd.
Concrete, Reinforced, Cast In Place, Walls between 2 feet and 4 feet high, Installed	\$280.00	cu. yd.
Concrete, Reinforced, Cast In Place, Walls greater than 4 feet high, Installed	\$350.00	cu. yd.
Concrete, Reinforced, Cast In Place, Walls less than 2 feet high, Installed	\$200.00	cu. yd.
Conservation Crop Rotation	\$7.00	ac.
Contour Establishment for 330	\$10.00	ac.
Corn cobs, sawdust or gravel, installed	\$3,000.00	ac.
Corridor Establishment	site	specific
	\$15.00	ft.
Cultural Grazing	\$15.00	ac.
Cultural Grazing (temporary fence)	\$15.00	ac.
Cultural Grazing (temporary water)	\$0.15	ft.
Deep Plowing	\$25.00	ac.
Deflectors for stream habitat improvement	\$50.00	ft.
Dewatering	ask Eng.	hr.
Disking	\$15.00	ac.
Dozer, 105 HP, with Operator	\$75.00	hr.
Dozer, 200 HP, with Operator	\$90.00	hr.
Dozer, 75 HP, with Operator	\$65.00	hr.
Dry Hydrant, with Head, Cap, and Strainer, incl. Fittings, Installed	\$3,000.00	ea.
Dump Truck, 12 Cu.Yd., with Operator	\$70.00	hr.
Dump Truck, 6 Cu.Yd., with Operator	\$65.00	hr.
Earthfill, Compacted, Off-site Material (3 mile haul)	\$13.00	cu. yd.
Earthfill, Compacted, On-site Material	\$5.00	cu. yd.
Excavation, Common	\$3.50	cu. yd.
Excavation, Rock	\$7.00	cu. yd.
Excavation, Wet	\$5.50	cu. yd.
Fencing, 3 strand barbed wire, Installed	\$1.50	ft.
Fencing, Electric, Single Strand, Smooth Wire, Installed	\$1.05	ft.
Fencing, For Elk, etc. Woven Wire panels up to 10 ft., Installed		ft.
Fencing, Smooth 5-Wire, Installed	\$0.90	ft.
Fencing, Woven Wire, Installed	\$1.90	ft.
Firebreak, Permanent Vegetative Seeding (grasses or forbes)	\$80.00	ac.
Fish - stocking	site	specific
	\$120.00	ea.
Forest Site Preparation, Hand-Chemical (includes equipment and labor)	\$120.00	ac.
Forest Site Preparation, Machine-Chemical (includes equipment and labor)	\$250.00	ac.
Forest Site Preparation, Machine-Mechanical (includes equipment and labor)	\$100.00	ac.
Forest Trail and Walkway, Broad-based Dip, Water Bar, Opentop box culvert corrugated metal pipe with rip-rap outlet	\$450.00	ea.
Geotextile Reinforced Vegetated Chute, Installed (including Earthwork, Geotextile, Erosion Control Blanket, and Seeding with Fertilizer, etc.)	\$5.00	sq. ft.
Grading and Shaping, Diversion, Installed	\$4.00	lin. ft.

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Grading and Shaping, Grassed Filter Strip Area (Not Channelized) [standard 780], Installed	ask Eng.	lin. ft.
Grading and Shaping, Grassed Channelized Filter Strip (up to 40 feet wide) [standard 780], Installed	\$5.00	lin. ft.
Grading and Shaping, Grassed Waterway, Installed	\$4.00	lin. ft.
Grain Food Plots	\$150.00	ac.
Gravel, 22A or 23 A (Road Gravel), Installed	\$25.00	cu. yd.
Gravel, Bank Run, Installed	\$18.00	cu. yd.
Gravel, Drain Fill, Installed	\$27.00	cu. yd.
Herbaceous cover cool season annual species, preparation, seed, fertilizer and planting	\$150.00	ac.
Herbaceous cover cool season, perennial preparation, seed, fertilizer and planting	\$250.00	ac.
Herbaceous cover warm season, annual, preparation, seed, fertilizer and planting	\$150.00	ac.
Herbaceous cover warm season, perennial, preparation, seed, fertilizer and planting	\$350.00	ac.
Herbaceous plants and hand planting	\$5.00	ea.
Herbaceous wind barrier, Annual cool season, site preparation, seed, fertilizer, planting	\$150.00	ac.
Herbaceous wind barrier, Annual warm season, site preparation, seed, fertilizer, planting	\$150.00	ac.
Herbaceous wind barrier, perennial cool season, site preparation, seed, fertilizer, planting	\$250.00	ac.
Herbaceous wind barrier, Perennial warm season, site preparation, seed, fertilizer, planting	\$350.00	ac.
Herbicides and application (hand)	\$120.00	ac.
Herbicides and application (machine)	\$250.00	ac.
Instream Woody Cover	site specific	sq. yd.
Irrigation System, Big Gun (traveler), Nozzles, Fittings, etc., Installed	\$700.00	ac.
Irrigation System, Center Pivot System, Nozzles, Fittings, etc., Installed	\$700.00	ac.
Irrigation System, Linear Move System, Nozzles, Fittings, etc., Installed	\$800.00	ac.
Irrigation System, Micro Tubing, Emitters, Nozzles, Fittings, etc., Installed	\$1,600.00	ac.
Irrigation System, Microirrigation (tape) , Emitters, Fittings, etc. Installed	\$1,500.00	ac.
Irrigation System, Side Roll, Nozzles, Fittings, etc., Installed	\$650.00	ac.
Irrigation System, Solid Set System, Nozzles, Fittings, etc., Installed	\$2,300.00	ac.
Layout of contour strips - stripcropping 585	\$10.00	ac.
Linear Channel Concrete for Fish Raceway	site specific	ft.
Linear Channel Earthen for Fish Raceway	site specific	ft.
Lunker Structures	\$25.00	ft.
Mechanical Machine scalping (if not done during planting process)	\$45.00	ac.
Mechanical treatment - brush & pest management	\$125.00	ac.
Metal Fabrication, Installed	ask Eng.	ea.
Mowing	\$25.00	ac.
Mulch, installed (includes labor)	\$0.02	sq. ft.
Native grass drill delivery fee	\$50.00	ea.

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Native grass seeding includes fertilizer, seed, labor and equipment	\$350.00	ac.
Native prairie planting	\$400.00	ac.
Nesting Structures (platforms, boxes)	\$225.00	ea.
No-Till, spray, seed, fertilizer, planting and weed control	site specific	ac.
Pasture and Hayland planting, Heavy soil disturbance, seedbed preparation, seed, seeding and herbicides including application	\$200.00	ac.
Pasture and Hayland Planting, Light soil disturbance, seedbed preparation, seed, seeding and herbicides including application	\$200.00	ac.
Pasture and Hayland Planting, Medium soil disturbance, seedbed preparation, seed, seeding and herbicides including application	\$200.00	ac.
Pest protection for trees/shrubs, fabric weed barrier	\$1.00	ea.
Pest protection for trees/shrubs, Organic Mulch	\$9.00	cu. yd.
Pest protection, tree protectors (tubes, plastic rodent protectors, plastic mesh, wire mesh) includes installation with wood or metal stakes	\$3.50	ea.
Pipe Arch, Aluminum, Installed	ask Eng.	lin. ft.
Pipe Arch, Reinforced Concrete, Installed	ask Eng.	lin. ft.
Pipe Trenching, (w/Backhoe)	\$2.50	lin. ft.
Pipe Trenching, (w/Trencher)	\$1.50	lin. ft.
Pipe, Corrugated Metal, 10-inch, Incl. Fittings, Installed	\$8.00	lin. ft.
Pipe, Corrugated Metal, 12-inch, Incl. Fittings, Installed	\$9.00	lin. ft.
Pipe, Corrugated Metal, 15-inch, Incl. Fittings, Installed	\$9.50	lin. ft.
Pipe, Corrugated Metal, 18-inch, Incl. Fittings, Installed	\$10.00	lin. ft.
Pipe, Corrugated Metal, 24-inch, Incl. Fittings, Installed	\$12.00	lin. ft.
Pipe, Corrugated Metal, 30-inch, Incl. Fittings, Installed	\$17.00	lin. ft.
Pipe, Corrugated Metal, 36-inch, Incl. Fittings, Installed	\$30.00	lin. ft.
Pipe, Corrugated Metal, 6-inch, Incl. Fittings, Installed	\$6.00	lin. ft.
Pipe, Corrugated Metal, 8-inch, Incl. Fittings, Installed	\$7.00	lin. ft.
Pipe, Corrugated Plastic (Dual Wall), 10-inch, Incl. Fittings, Installed	\$6.00	lin. ft.
Pipe, Corrugated Plastic (Dual Wall), 12-inch, Incl. Fittings, Installed	\$7.00	lin. ft.
Pipe, Corrugated Plastic (Dual Wall), 15-inch, Incl. Fittings, Installed	\$8.00	lin. ft.
Pipe, Corrugated Plastic (Dual Wall), 18-inch, Incl. Fittings, Installed	\$10.00	lin. ft.
Pipe, Corrugated Plastic (Dual Wall), 24-inch, Incl. Fittings, Installed	\$14.00	lin. ft.
Pipe, Corrugated Plastic (Dual Wall), 30-inch, Incl. Fittings, Installed	\$21.00	lin. ft.
Pipe, Corrugated Plastic (Dual Wall), 36-inch, Incl. Fittings, Installed	\$27.00	lin. ft.
Pipe, Corrugated Plastic (Dual Wall), 4-inch, Incl. Fittings, Installed	\$3.00	lin. ft.
Pipe, Corrugated Plastic (Dual Wall), 6-inch, Incl. Fittings, Installed	\$4.00	lin. ft.
Pipe, Corrugated Plastic (Dual Wall), 8-inch, Incl. Fittings, Installed	\$5.00	lin. ft.
Pipe, Corrugated Plastic Tubing (Single Wall, Perforated or non-Perforated), 10-inch, Incl. Fittings, Installed	\$6.00	lin. ft.
Pipe, Corrugated Plastic Tubing (Single Wall, Perforated or non-Perforated), 12-inch, Incl. Fittings, Installed	\$7.00	lin. ft.
Pipe, Corrugated Plastic Tubing (Single Wall, Perforated or non-Perforated), 4-inch, Incl. Fittings, Installed	\$3.00	lin. ft.
Pipe, Corrugated Plastic Tubing (Single Wall, Perforated or non-Perforated), 6-inch, Incl. Fittings, Installed	\$4.00	lin. ft.
Pipe, Corrugated Plastic Tubing (Single Wall, Perforated or non-Perforated), 8-inch, Incl. Fittings, Installed	\$5.00	lin. ft.
Pipe, Manhole, Reinforced Concrete, with grate or cover, Installed	ask Eng.	ea.
Pipe, PE, 1-1/2-inch, Incl. Fittings, Installed (water supply)	\$1.75	lin. ft.
Pipe, PE, 1-1/4-inch, Incl. Fittings, Installed (water supply)	\$1.50	lin. ft.

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Pipe, PE, 1-inch, Incl. Fittings, Installed (water supply)	\$1.25	lin. ft.
Pipe, PE, 2-inch, Incl. Fittings, Installed (water supply)	\$2.00	lin. ft.
Pipe, PVC, SCH-40, 10-inch, Incl. Fittings, Installed	\$5.00	lin. ft.
Pipe, PVC, SCH-40, 4-inch, Incl. Fittings, Installed	\$3.00	lin. ft.
Pipe, PVC, SCH-40, 6-inch, Incl. Fittings, Installed	\$4.00	lin. ft.
Pipe, PVC, SCH-40, 8-inch, Incl. Fittings, Installed	\$4.50	lin. ft.
Pipe, Reinforced Concrete, 12-inch, Incl. Fittings, Installed	ask Eng.	lin. ft.
Pipe, Reinforced Concrete, 18-inch, Incl. Fittings, Installed	ask Eng.	lin. ft.
Pipe, Reinforced Concrete, 24-inch, Incl. Fittings, Installed	ask Eng.	lin. ft.
Pipe, Reinforced Concrete, 30-inch, Incl. Fittings, Installed	ask Eng.	lin. ft.
Pipe, Reinforced Concrete, 36-inch, Incl. Fittings, Installed	ask Eng.	lin. ft.
Pipeline Mechanical Station, with Pressure Tank and Appurtenances, Installed (for Watering Facility)	ask. Eng.	ea.
Pond Sealing and Lining, Bentonite-Soil Mixture, incl. Materials and Labor, Installed (at 3 lbs Bentonite per sq. ft.)	\$3.50	sq. ft.
Pond Sealing and Lining, Earthfill, Clay Liner, Off-site Clay Material (10-mile haul), Installed	\$15.00	cu. yd.
Pond Sealing and Lining, Earthfill, Clay Liner, On-site Clay Material, Installed	\$5.00	cu. yd.
Pond Sealing and Lining, EPDM (45 mil), incl. Materials and Labor, Installed	\$2.00	sq. ft.
Pond Sealing and Lining, Geosynthetic Clay Liner, incl. Materials and Labor, Installed	\$3.00	sq. ft.
Pond Sealing and Lining, HDPE (40 mil), incl. Materials and Labor, Installed	\$1.75	sq. ft.
Pond Sealing and Lining, HDPE (60 mil), incl. Materials and Labor, Installed	\$2.50	sq. ft.
Pond Sealing and Lining, Soil Dispersant, incl. Materials and Labor, Installed	\$3.50	sq. ft.
Pump Station, incl. Materials and Labor, Installed	ask Eng.	ea.
Ram Pump, Livestock Water, Complete, Installed	\$1,500.00	ea.
Ripping for Deep Tillage	\$30.00	ac.
Riser, Corrugated Metal, 24-inch Dia., with 18-inch Dia. Stub, Antivortex and Trash Guard, 5-feet High, Installed	\$1,060.00	ea.
Riser, Corrugated Metal, 24-inch Dia., with 18-inch Dia. Stub, Antivortex and Trash Guard, 8-feet High, Installed	\$1,174.00	ea.
Riser, Corrugated Metal, 30-inch Dia., with 24-inch Dia. Stub, Antivortex and Trash Guard, 5-feet High, Installed	\$1,480.00	ea.
Riser, Corrugated Metal, 30-inch Dia., with 24-inch Dia. Stub, Antivortex and Trash Guard, 8-feet High, Installed	\$1,570.00	ea.
Riser, Corrugated Metal, 36-inch Dia., with 24-inch Dia. Stub, Antivortex and Trash Guard, 8-feet High, Installed	\$2,000.00	ea.
Riser, Corrugated Metal, 36-inch Dia., with 30-inch Dia. Stub, Antivortex and Trash Guard, 5-feet High, Installed	\$1,800.00	ea.
Riser, Corrugated Metal, 42-inch Dia., with 30-inch Dia. Stub, Antivortex and Trash Guard, 5-feet High, Installed	\$2,200.00	ea.
Riser, Corrugated Metal, 42-inch Dia., with 30-inch Dia. Stub, Antivortex and Trash Guard, 8-feet High, Installed	\$2,400.00	ea.
Riser, Corrugated Plastic, 24-inch Dia., with 18-inch Dia. Stub, Antivortex and Trash Guard, 5-feet High, Installed	\$1,000.00	ea.

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Riser, Corrugated Plastic, 24-inch Dia., with 18-inch Dia. Stub, Antivortex and Trash Guard, 8-feet High, Installed	\$1,160.00	ea.
Riser, Corrugated Plastic, 30-inch Dia., with 24-inch Dia. Stub, Antivortex and Trash Guard, 5-feet High, Installed	\$1,166.00	ea.
Riser, Corrugated Plastic, 30-inch Dia., with 24-inch Dia. Stub, Antivortex and Trash Guard, 8-feet High, Installed	\$1,366.00	ea.
Riser, Corrugated Plastic, 36-inch Dia., with 24-inch Dia. Stub, Antivortex and Trash Guard, 8-feet High, Installed	\$2,074.00	ea.
Riser, Corrugated Plastic, 36-inch Dia., with 30-inch Dia. Stub, Antivortex and Trash Guard, 5-feet High, Installed	\$1,856.00	ea.
Riser, Corrugated Plastic, 42-inch Dia., with 30-inch Dia. Stub, Antivortex and Trash Guard, 5-feet High, Installed	\$2,200.00	ea.
Riser, Corrugated Plastic, 42-inch Dia., with 30-inch Dia. Stub, Antivortex and Trash Guard, 8-feet High, Installed	\$2,400.00	ea.
Rock Riprap, D-50 = 12 inch, with Geotextile, Installed	\$42.00	cu. yd.
Rock Riprap, D-50 = 15 inch, with Geotextile, Installed	\$42.00	cu. yd.
Rock Riprap, D-50 = 18 inch, with Geotextile, Installed	\$42.00	cu. yd.
Rock Riprap, D-50 = 4 inch, with Geotextile, Installed	\$42.00	cu. yd.
Rock Riprap, D-50 = 6 inch, with Geotextile, Installed	\$42.00	cu. yd.
Rock Riprap, D-50 = 9 inch, with Geotextile, Installed	\$42.00	cu. yd.
Rodent Guard, 10-inch, Installed	\$14.00	ea.
Rodent Guard, 12-inch, Installed	\$15.00	ea.
Rodent Guard, 15-inch, Installed	\$22.00	ea.
Rodent Guard, 4-inch, Installed	\$10.00	ea.
Rodent Guard, 6-inch, Installed	\$12.00	ea.
Rodent Guard, 8-inch, Installed	\$13.00	ea.
Roof Gutters, with downspouts, Installed	\$6.00	lin. ft.
Roof, Hoop Structure, greater than 40 ft. span, Installed	ask Eng.	sq. ft.
Roof, Hoop Structure, up to 40 ft. span, Installed	\$5.00	sq. ft.
Roof, Truss Structure, greater than 40 ft. span, Installed	ask Eng.	sq.ft.
Roof, Truss Structure, up to 40 ft. span, Installed	\$5.00	sq. ft.
Row-Till for Deep Tillage	\$30.00	ac.
Salvaging and Spreading Topsoil	\$4.50	cu. yd.
Scouting, traps, baits, etc., - pest management	\$5.00	ac.
Seed, Mulch and Fertilizer (includes labor) forest site	\$600.00	ac.
Seedbed Preparation forest site	\$200.00	ac.
Seeding, Cool Season, Drill or Broadcast, with Seedbed Preparation, Fertilizer and Mulch, Installed	\$850.00	ac.
Seeding, Drill or Broadcast, with Seedbed Preparation, Fertilizer, Mulch and Netting, Installed	\$900.00	ac.
Seeding, Hydroseed, with Seedbed Preparation, Fertilizer and Mulch, Installed	\$900.00	ac.
Seeding, Warm Season, Drill or Broadcast, with Seedbed Preparation, Fertilizer and Mulch, Installed	\$1,200.00	ac.
Seeding, with Seedbed Preparation, Fertilizer, Mulch and Erosion Control Blanket, Installed	\$3,100.00	ac.
Sheet Piling, Installed	ask Eng.	ton
Silt Fence, Installed	\$1.50	lin. ft.
Site Preparation (Clearing and grubbing)	\$3,000.00	ac.
Site Preparation for fence (Clearing and grubbing)	\$100.00	hr.

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Site preparation for stream habitat improvement	Ask Bio	ac.
Sodding	site specific	ac.
Soil test annually for vegetable, flower, ornamentals and shrubs, sampling, calibration of application equipment, recordkeeping	\$3.80	ac.
Soil test including pre side dress nitrogen test, composite sampling, manure testing, calibration of application equipment, recordkeeping; manure and fertilizer use	\$4.20	ac.
Soil test including pre side dress nitrogen test, grid sampling, manure testing, calibration of application equipment, recordkeeping; manure and fertilizer use	\$4.20	ac.
Soil test, composite sampling, calibration of application equipment, recordkeeping; fertilizer use only	\$3.27	ac.
Soil test, grid sampling, calibration of application equipment, recordkeeping; fertilizer use only	\$3.27	ac.
Spoil Spreading	\$3.50	cu. yd.
Spot or band spraying	\$30.00	ac.
Spring Development, Complete System (does not include Tank or Trough), Installed	ask Eng.	ea.
Straw or hay mulch, installed	\$800.00	ac.
Stream Crossing, with 1 foot thick Coarse Aggregate Ramp, Installed on mineral soil	\$6.00	sq. ft.
Strip layout	\$5.00	ac.
Structure Removal	ask Eng.	ea.
Structures (boxes, brush piles, etc.)	\$50.00	ea.
Subsoiling	\$30.00	ac.
Subsurface Drain Removal or Destruction (tile break)	\$350.00	ea.
Surface Drain Filling (ditch plug)	\$250.00	ea.
Surface Inlet, Perforated, incl., Fittings, Installed (for WASCObS and Terraces)	\$300.00	ea.
Tank Raceway Concrete	site specific	gal.
Tank Raceway Fiberglass	site specific	gal.
Tank Raceway Metal	site specific	gal.
Thinning (cutting or chemically killing trees or vines) Hardwood-Crop Tree Release (min. 20 sq. ft. b.a. removed) Poles (trees 5-11" DBH)	\$1.32	sq. ft. of b.a. removed
Thinning (cutting or chemically killing trees or vines) Hardwood-Crop Tree Release (min. 20 sq. ft. b.a. removed) Saplings (trees under 5" DBH)	\$1.96	sq. ft. of b.a. removed
Thinning (cutting or chemically killing trees or vines) Hardwood-Crop Tree Release (min. 20 sq. ft. b.a. removed) Saw timber size culls (trees over 11" DBH)	\$0.87	sq. ft. of b.a. removed
Tillage	\$15.00	ac.
Timber Fabrication, Treated, Installed	ask Eng.	bd. ft.
Timber harvesting	\$234.00	ac.
Tissue test for small fruit and tree crops, soil ph test, sampling, calibration of application equipment, recordkeeping	N/A	ac.
Tree Planting-Hand (includes scalping, equipment and labor)	\$0.16	ea.
Tree Planting-Machine (includes scalping, equipment and labor)	\$0.14	ea.

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Tree Pruning - Trees 10 up to 18ft. (includes labor and equipment)	\$1.00	per tree
Tree Pruning - Trees 18 ft. up to 26 ft. (includes labor and equipment)	\$1.25	per tree
Tree Pruning - Trees up to 10 ft. (includes labor and equipment)	\$0.85	per tree
Trees/Shrubs (see Alley Cropping) Bare root or Containerized Plugs	site specific	ea.
Trees/Shrubs-conifer bare root or containerized plugs 2-0 to 3-0 stock	\$0.18	ea.
Trees/Shrubs-deciduous	\$0.33	ea.
Trough or Tank, Galv., 100 gal., with Gravel Pad, Installed	\$340.00	ea.
Trough or Tank, Galv., 200 gal., with Gravel Pad, Installed	\$360.00	ea.
Trough or Tank, Galv., 400 gal., with Gravel Pad, Installed	\$410.00	ea.
Trough or Tank, Poly., 100 gal., with Gravel Pad, Installed	\$330.00	ea.
Trough or Tank, Poly., 200 gal., with Gravel Pad, Installed	\$390.00	ea.
Trough or Tank, Poly., 400 gal., with Gravel Pad, Installed	\$460.00	ea.
Vegetative barrier, layout, site preparation, plant material plugs, hand planting and weed control	site specific	
Vegetative Control - Chemical	\$55.00	ac.
Vegetative Control - Manual	site specific	ac.
Vegetative Control - Mowing	\$30.00	ac.
Vegetative Establishment - Native prairie	\$350.00	ac.
Vegetative Establishment - Native shrub	\$0.75	ea.
Vegetative Establishment - Native trees	\$0.50	ea.
Vine Removal in forest	\$0.35	ea.
Waste Storage Facility, Above Ground Circular Metal Structure, Installed	ask Eng.	ea.
Waste Storage Facility, Below Ground Reception Pit, Reinforced Concrete, with Pump and Appurtenances, Installed	ask Eng.	ea.
Water Control Structure, In-Line, 4-feet high, 10-inch pipe, Installed (pipe extra)	\$625.00	ea.
Water Control Structure, In-Line, 4-feet high, 12-inch pipe, Installed (pipe extra)	\$700.00	ea.
Water Control Structure, In-Line, 4-feet high, 18-inch pipe, Installed (pipe extra)	\$825.00	ea.
Water Control Structure, In-Line, 4-feet high, 24-inch pipe, Installed (pipe extra)	\$1,500.00	ea.
Water Control Structure, In-Line, 4-feet high, 6-inch pipe, Installed (pipe extra)	\$500.00	ea.
Water Control Structure, In-Line, 4-feet high, 8-inch pipe, Installed (pipe extra)	\$600.00	ea.
Weed Control for trees - Herbicides and application (hand)	\$88.00	ac.
Weed Control for trees - Herbicides and application (machine)	\$60.00	ac.
Weed Control for trees - Mechanical machine scalping (if not done during planting)	\$45.00	ac.
Well Decommissioning, Bedrock Well	\$1,200.00	ea.
Well Decommissioning, Dug Well	\$800.00	ea.
Well Decommissioning, Sand/Gravel Well	\$400.00	ea.
Well Pump, Deep Water, Installed	ask Eng.	ea.
Well Pump, Shallow Water, Installed	ask Eng.	ea.
Well, Drilled, 12-inch, Installed	\$60.00	lin. ft.
Well, Drilled, 5-inch, Installed	\$20.00	lin. ft.
Well, Drilled, 6-inch, Installed	\$25.00	lin. ft.
Wildflower Planting	\$500.00	ac.

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Wood chips or bark, installed	site specific	ac.
Woody Plant Control	\$80.00	ac.
Zone Tillage or Para Plowing	\$50.00	ac.