

Community Greening Toolkit -- Cost Estimates  
Reference Material  
Prepared for Beautiful RVA  
January 19, 2014

	Quantity	Unit	Unit Cost Low	Unit Cost High	Total Low Estimate	Total High Estimate	Notes	Recommended Vendors
<b>LANDSCAPE/PLANTING</b>								
<i>Materials</i>								
Top soil	0.00	AC	\$10,000.00	\$14,000.00	\$0.00	\$0.00	5 in. suggested depth (based on a range of \$15 to \$21 per cy.)	
Amendments	0.00	AC	\$4,350.00	\$13,000.00	\$0.00	\$0.00	Prices include compost, lime, and fertilizers	
Hardwood Mulch	0.00	CY	\$38.00	\$47.00	\$0.00	\$0.00	1 cy. covers 100 sq. ft. at 3 in. suggested depth	
Pine straw	0.00	BALE	\$7.00	\$9.00	\$0.00	\$0.00	1 bale covers approximately 50 sq. ft. at 2 to 3 in. suggested depth	
<i>Plants*</i>								
Large shade tree -- 2.5" cal. B&B	0.00	EA	\$300.00	\$350.00	\$0.00	\$0.00	*Prices include materials and installation labor, with costs running approximately 2.5 times the plant material wholesale cost	
Large multi-stem tree -- 12-14' height	0.00	EA	\$250.00	\$300.00	\$0.00	\$0.00		
Small tree -- 8-10' height	0.00	EA	\$150.00	\$201.00	\$0.00	\$0.00		
Evergreen tree -- 8-10' height	0.00	EA	\$200.00	\$250.00	\$0.00	\$0.00		
Shrub -- 5 gal. container (small shrub)	0.00	EA	\$35.00	\$50.00	\$0.00	\$0.00		
Ground cover -- 1 gal. container	0.00	EA	\$8.00	\$12.00	\$0.00	\$0.00		
Ornamental grass -- 1 gal. container	0.00	EA	\$10.00	\$12.00	\$0.00	\$0.00		
Perennial -- 1 gal. container	0.00	EA	\$8.00	\$10.00	\$0.00	\$0.00		
Annual -- 3 qt. container	0.00	EA	\$3.50	\$6.00	\$0.00	\$0.00		
Bulbs	0.00	EA	\$1.15	\$1.30	\$0.00	\$0.00	Specialty bulbs cost more	
<i>Turf</i>								
Seeding	0.00	AC	\$2,500.00	\$3,500.00	\$0.00	\$0.00	Prices include seed, lime, fertilizer, straw and installation (no topsoil)	
Hydroseeding	0.00	AC	\$1,800.00	\$2,300.00	\$0.00	\$0.00	Prices include seed, lime, fertilizer, straw or fiber mulch; adhesives more expensive	
Sodding	0.00	SY	\$3.50	\$4.50	\$0.00	\$0.00	Price includes preparation, delivery, installation, rake out, lime and fertilizer	
<i>Miscellaneous</i>								
Tree well retrofit	0.00	EA	\$1,600.00	\$2,000.00	\$0.00	\$0.00	Prices include sidewalk removal, excavation, and installation	
Reforestation	0.00	AC	\$1,850.00	\$2,500.00	\$0.00	\$0.00	Prices include stems, tree mats, shelters at 250 stems (low estimate) to 300 stems (high estimate) per acre	
Meadow -- native grass meadow seeding	0.00	AC	\$1,600.00	\$2,000.00	\$0.00	\$0.00		
Meadow -- wildflower meadow seeding	0.00	AC	\$2,000.00	\$2,400.00	\$0.00	\$0.00		
Rain garden	0.00	SF	\$30.00	\$65.00	\$0.00	\$0.00	Prices based on standard design: average depth = 3.5 ft., perforated underdrain pipe = 100 ft., gravel depth = 15 in., mulch = 3 in., planted	
<b>Landscape/Planting Items Total:</b>					<b>\$0.00</b>	<b>\$0.00</b>		
<b>IRRIGATION</b>								
Irrigation system	0.00	AC	\$10,000.00	\$15,000.00	\$0.00	\$0.00	Low estimate for turf only and high estimate for landscape beds	
<b>Irrigation Items Total:</b>					<b>\$0.00</b>	<b>\$0.00</b>		
<b>HARDSCAPE -- surfaces, walls, and fencing</b>								
<i>Surfaces</i>								
Asphalt	0.00	SF	\$2.00	\$4.00	\$0.00	\$0.00	Price includes base grade cut, 2 in. stone, 2 in. asphalt flushing in sides	
Concrete	0.00	SF	\$4.00	\$6.00	\$0.00	\$0.00		
Pavers -- brick	0.00	SF	\$7.00	\$12.00	\$0.00	\$0.00	Add \$1.50 per sf. for stone base	
Pavers -- concrete	0.00	SF	\$7.00	\$9.00	\$0.00	\$0.00	Add \$1.50 per sf. for stone base	
<i>Walls and fences</i>								
Seat Wall -- 18" high	0.00	LF	\$250.00	\$300.00	\$0.00	\$0.00		
Chain length fence -- #9 gauge 4' high	0.00	LF	\$12.00	\$15.00	\$0.00	\$0.00		
Chain length fence -- #9 gauge 6' high	0.00	LF	\$20.00	\$25.00	\$0.00	\$0.00		
Wood screen fence -- board on board 6' high	0.00	LF	\$22.00	\$26.00	\$0.00	\$0.00		
Picket fence -- 4' high	0.00	LF	\$18.00	\$22.00	\$0.00	\$0.00		
Aluminum fence	0.00	LF	\$15.00	\$30.00	\$0.00	\$0.00	Price ranges from 3 to 6 ft. high fence	
Split rail	0.00	LF	\$5.00	\$8.00	\$0.00	\$0.00		
<i>Miscellaneous</i>								
Large landscape boulders (1-2 ton ea.)	0.00	EA	\$750.00	\$1,000.00	\$0.00	\$0.00		
<b>Hardscape Items Total:</b>					<b>\$0.00</b>	<b>\$0.00</b>		
<b>LIGHTING</b>								
Pedestrian scale streetlamp -- 12 ft. tall	0.00	EA	\$1,000.00	\$1,500.00	\$0.00	\$0.00	Pole only -- not including electrical power supply	
Parking lot scale light -- 25 ft. tall	0.00	EA	\$1,200.00	\$1,600.00	\$0.00	\$0.00	Pole only -- not including electrical power supply	
Pathway lights -- small	0.00	EA	\$150.00	\$200.00	\$0.00	\$0.00	Light only -- not including electrical power supply	
Pathway lights -- bollard	0.00	EA	\$500.00	\$800.00	\$0.00	\$0.00	Bollard only -- not including electrical power supply	
Uplighting for trees and flagpoles	0.00	EA	\$300.00	\$450.00	\$0.00	\$0.00	Three lights needed	
<b>Irrigation Items Total:</b>					<b>\$0.00</b>	<b>\$0.00</b>		
<b>SITE AMENITIES</b>								
Bench (6 ft. long) -- metal	0.00	EA	\$1,000.00	\$1,500.00	\$0.00	\$0.00		
Picnic table -- metal frame, wooden or plastic slats	0.00	EA	\$1,600.00	\$2,000.00	\$0.00	\$0.00		
Litter receptacles -- metal	0.00	EA	\$800.00	\$1,200.00	\$0.00	\$0.00	Low estimate 24 gal. size, high estimate 36 gal. size	
Bike rack -- metal	0.00	EA	\$400.00	\$1,000.00	\$0.00	\$0.00		
Cistern -- small system (150-350 gallons)	0.00	EA	\$160.00	\$700.00	\$0.00	\$0.00		
Rain barrel	0.00	EA	\$50.00	\$120.00	\$0.00	\$0.00		
Flag pole	0.00	EA	\$1,800.00	\$3,500.00	\$0.00	\$0.00	Interior halyard strongly recommended	
Gazebo structure	0.00	EA	\$5,000.00	\$13,000.00	\$0.00	\$0.00		
<b>Amenity Items Total:</b>					<b>\$0.00</b>	<b>\$0.00</b>		
<b>PLAYGROUND</b>								
Platform structure	0.00	EA	\$10,000.00	\$20,000.00	\$0.00	\$0.00		
Individual play pieces	0.00	EA	\$1,200.00	\$3,000.00	\$0.00	\$0.00		
<b>Playground Items Total:</b>					<b>\$0.00</b>	<b>\$0.00</b>		
<b>PROJECT SUBTOTAL ESTIMATES:</b>					<b>\$0.00</b>	<b>\$0.00</b>		

ADDITIONAL FEES							
<i>Design, installation, and administration</i>							
Design consultant	0.00	HR	\$100.00	\$180.00	\$0.00	\$0.00	Fees for an architect, landscape architect, or engineer
Mobilization	n/a	10% of subtotal			\$0.00	\$0.00	
Contingency fees	n/a	10% of subtotal			\$0.00	\$0.00	
<i>Maintenance</i>							
Landscape maintenance -- one year maintenance	0.00	AC	\$3,000.00	\$5,000.00	\$0.00	\$0.00	
Irrigation -- one year	0.00	AC	\$1,500.00	\$2,000.00	\$0.00	\$0.00	Includes spring start-up, monthly checks with adjustments, and winterization
Irrigation repairs -- one year	0.00	AC	\$2,000.00	\$3,000.00	\$0.00	\$0.00	
<b>Additional Fees Total</b>					<b>\$0.00</b>	<b>\$0.00</b>	
<b>PROJECT TOTAL ESTIMATES:</b>					<b>\$0.00</b>	<b>\$0.00</b>	