Fact Sheets

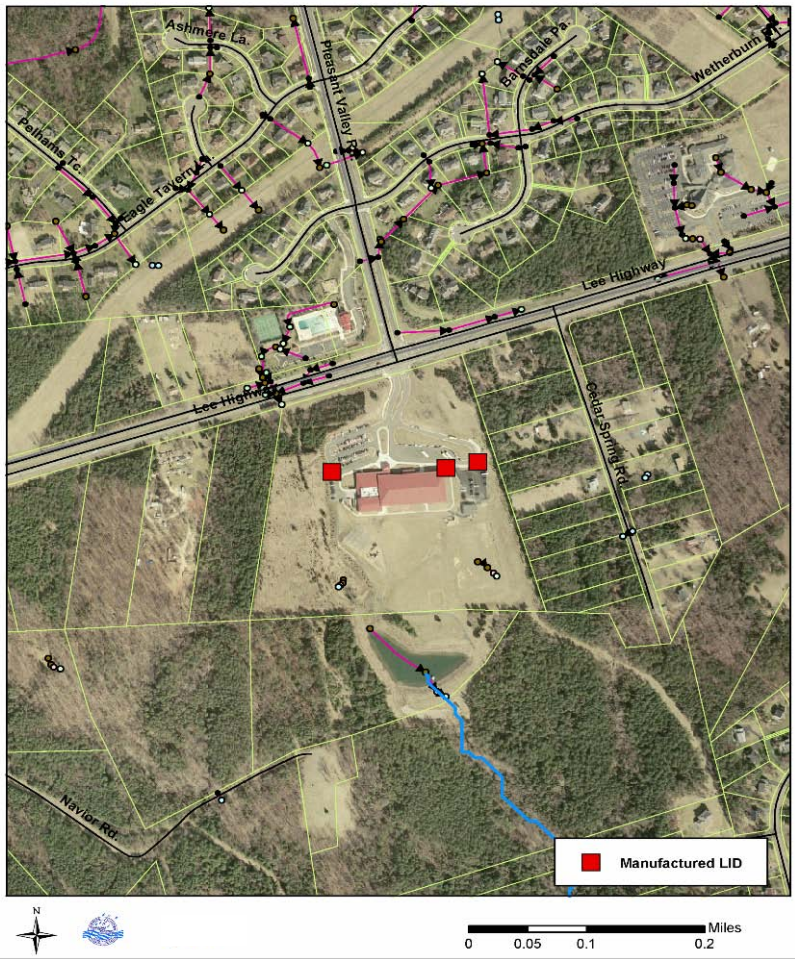
Projects CU9801 through CU9825

Cub Run Watershed LID Retrofit Projects at Public Facilities

Projects CU9801 through CU9825

Project ID:	CU9801
Project Type:	LID Projects at Public Facility
Location:	Bull Run Elementary School. Route 29 and Pleasant Valley Road. Middle Cub Run Watershed.
Description:	Implement LID project at Bull Run Elementary School. Conceptual plan consists of three manufactured bioretention units at three locations. Area served = 1.4 acres

Bull Run Elementary School



The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	3			$63,450
			Base Construction Cost	$63,450
			Mobilization (5%)	$3,173
			Subtotal 1	$66,623
			Contingency (25%)	$16,656
			Subtotal 2	$83,279
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$37,476
			Total	$120,755
			Estimated Project Cost	**$121,000**

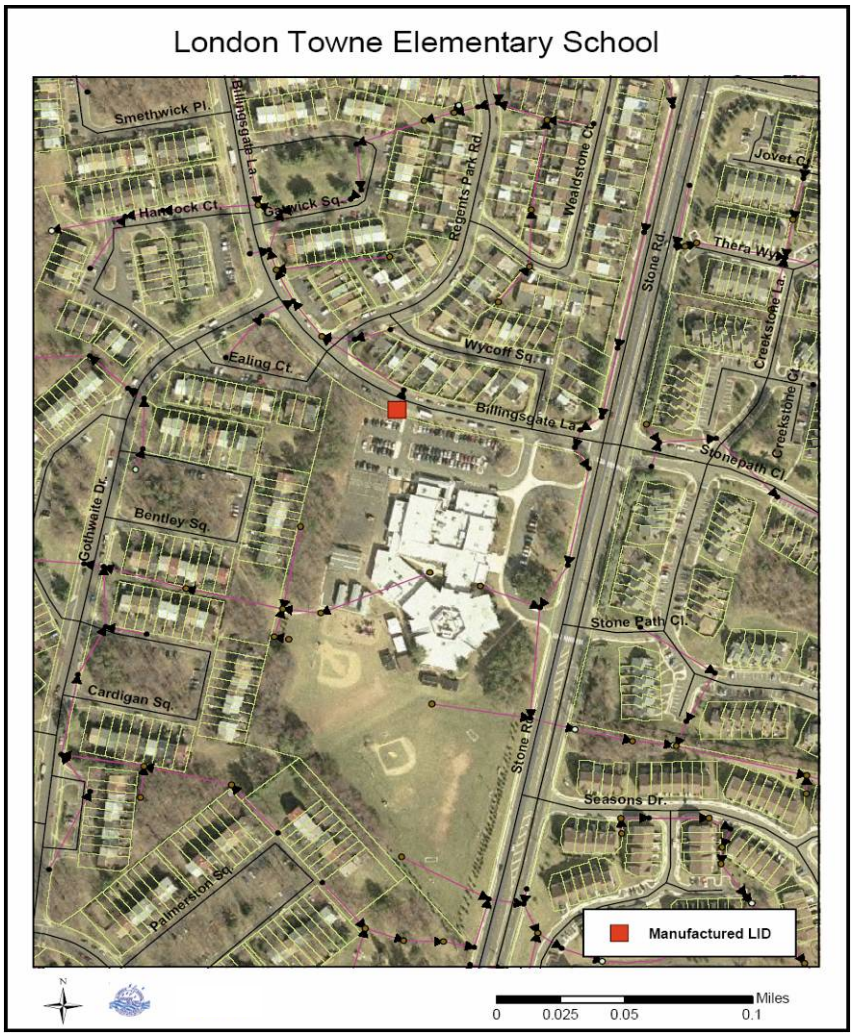
Project ID:	CU9802
Project Type:	LID Projects at Public Facility
Location:	Centre Ridge Elementary School. New Braddock Road and Store House Drive. Lower Cub Run Watershed.
Description:	Implement LID project at Centre Ridge Elementary School. Conceptual plan consists of four manufactured bioretention units at two locations. Area served = 1.4 acres

Centre Ridge Elementary School

The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	4			$68,400
			Base Construction Cost	$68,400
			Mobilization (5%)	$3,420
			Subtotal 1	$71,820
			Contingency (25%)	$17,955
			Subtotal 2	$89,775
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$40,399
			Total	$130,174
			Estimated Project Cost	**$131,000**

Project ID:	CU9803
Project Type:	LID Projects at Public Facility
Location:	London Towne Elementary School. Stone Road and Billingsgate Lane. Middle Cub Run Watershed.
Description:	Implement LID project at London Towne Elementary School. Conceptual plan consists of two manufactured bioretention units at one location. Area served = 0.7 acres



The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	2			$34,200
			Base Construction Cost	$34,200
			Mobilization (5%)	$1,710
			Subtotal 1	$35,910
			Contingency (25%)	$8,978
			Subtotal 2	$44,888
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$20,200
			Total	$65,088
			Estimated Project Cost	**$66,000**

Project ID:	CU9804
Project Type:	LID Projects at Public Facility
Location:	Centreville Library. Machen Road and Saint Germain Drive. Big Rocky Run watershed.
Description:	Implement LID project at Centreville Library. Conceptual plan consists of four manufactured bioretention units at two locations. Area served = 1.6 acres

The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	4			$76,200
			Base Construction Cost	$76,200
			Mobilization (5%)	$3,810
			Subtotal 1	$80,010
			Contingency (25%)	$20,003
			Subtotal 2	$100,013
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$45,006
			Total	$145,019
			Estimated Project Cost	**$146,000**

Project ID:	CU9805
Project Type:	LID Projects at Public Facility
Location:	Ellanor C Lawrence Park playing fields parking lot Route 28. Big Rocky Run watershed.
Description:	Implement LID project at Ellanor C. Lawrence Park playing fields parking lot. Conceptual plan consists of 6 manufactured bioretention units at two locations. Area served = 2.7 acres

The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

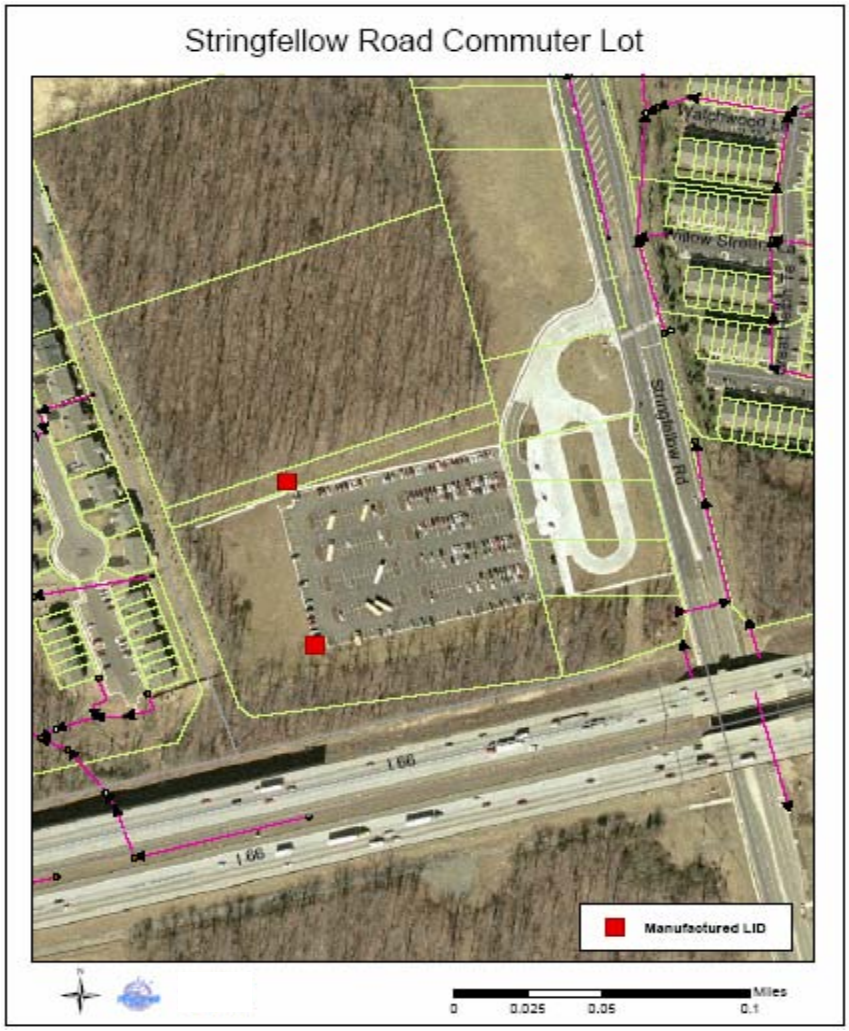
Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	6			$122,550
			Base Construction Cost	$122,550
			Mobilization (5%)	$6,128
			Subtotal 1	$128,678
			Contingency (25%)	$32,170
			Subtotal 2	$160,848
			Engineering design, surveys, land acquisition, utility locations, and permits (45%)	$72,382
			Total	$233,230
			Estimated Project Cost	**$234,000**

Project ID:	CU9806
Project Type:	LID Projects at Public Facility.
Location:	Cabells Mill Parking Area. (Ellanor C Lawrence Park). Walney Road north of Cabell's Mill Drive. Big Rocky Run watershed.
Description:	Retrofit existing bioretention area which receives drainage from residential area and improve general drainage

The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Retrofit existing bioretention facility				$37,500
			Base Construction Cost	$37,500
			Mobilization (5%)	$1,875
			Subtotal 1	$39,375
			Contingency (25%)	$9,844
			Subtotal 2	$49,219
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$22,149
			Total	$71,368
			Estimated Project Cost	**$72,000**

Project ID:	CU9807
Project Type:	LID Projects at Public Facility
Location:	Stringfellow Road Commuter Lot. Stringfellow Road near Route 66. Big Rocky Run watershed.
Description:	Implement LID project at Stringfellow Road commuter lot. Conceptual plan consists of six manufactured bioretention units at two locations. Area served = 2.9 acres



The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	6			$130,050
			Base Construction Cost	$130,050
			Mobilization (5%)	$6,503
			Subtotal 1	$136,553
			Contingency (25%)	$34,138
			Subtotal 2	$170,691
			Engineering design, surveys, land acquisition, utility locations, and permits (45%)	$76,811
			Total	$247,502
			Estimated Project Cost	**$248,000**

Project ID:	CU9808
Project Type:	LID Projects at Public Facility
Location:	Poplar Tree Park playing field parking lot. Stringfellow Road near Northbourne Drive. Big Rocky Run watershed.
Description:	Implement LID project at Poplar Tree Park playing field parking lot. Conceptual plan consists of two manufactured bioretention units at one location. Area served = 0.9 acres

The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

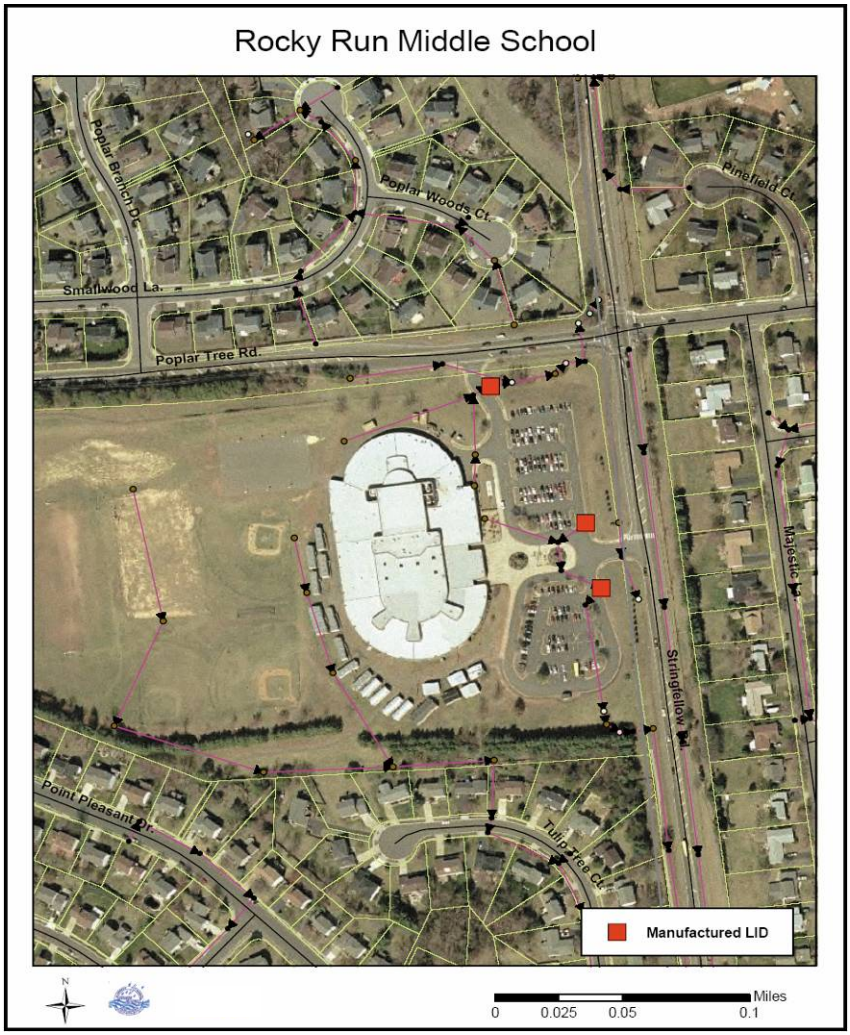
Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	2			$37,350
			Base Construction Cost	$37,350
			Mobilization (5%)	$1,868
			Subtotal 1	$39,218
			Contingency (25%)	$9,805
			Subtotal 2	$49,023
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$22,060
			Total	$71,083
			Estimated Project Cost	**$72,000**

Project ID:	CU9809
Project Type:	LID Projects at Public Facility
Location:	Poplar Tree Elementary School. Melville Lane near Granite Rock Drive. Big Rocky Run watershed.
Description:	Implement LID project at Poplar Tree Elementary School. Conceptual plan consists of three manufactured bioretention units at three locations. Evaluate and retrofit stormwater outfalls from school to Big Rocky Run. Area served = 1.1 acres

The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	3			$53,250
			Base Construction Cost	$53,250
			Mobilization (5%)	$2,663
			Subtotal 1	$55,913
			Contingency (25%)	$13,978
			Subtotal 2	$69,891
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$31,451
			Total	$101,342
			Estimated Project Cost	**$102,000**

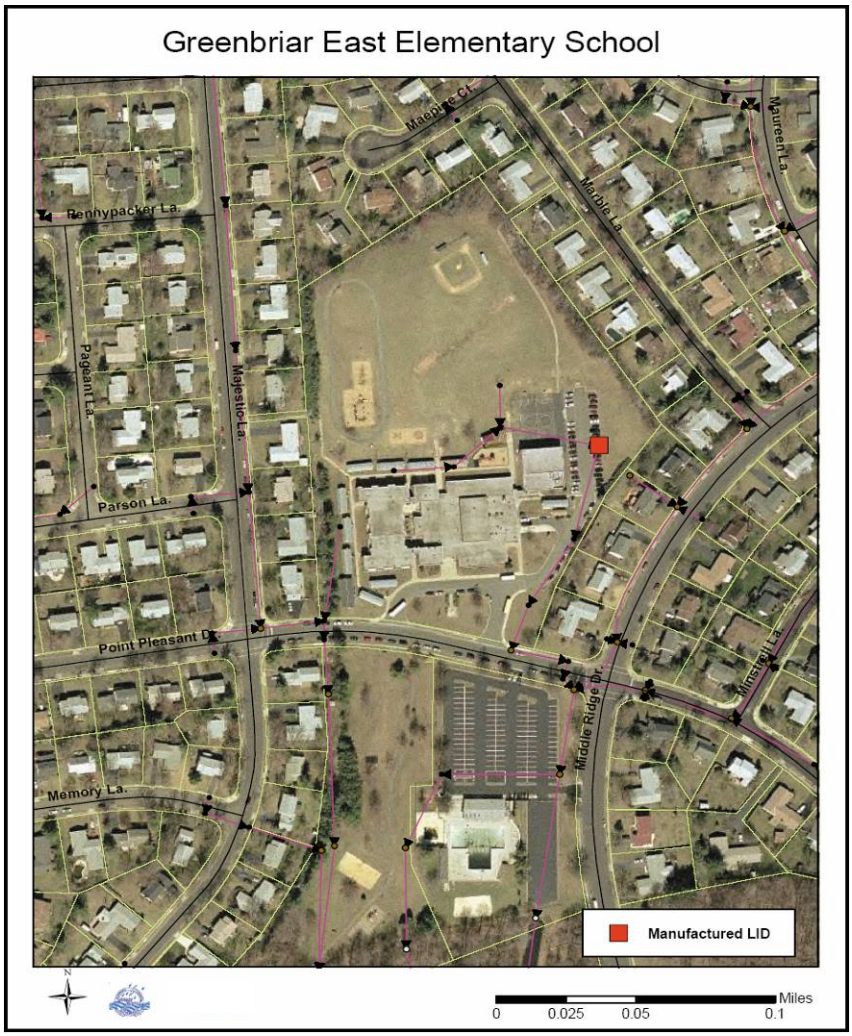
Project ID:	CU9810
Project Type:	LID Projects at Public Facility
Location:	Rocky Run Middle School. Stringfellow Road and Poplar Tree Road. Frog Branch watershed.
Description:	Implement LID project at Rocky Run Middle School. Conceptual plan consists of five manufactured bioretention units at three locations. Area served = 1.9 acres



The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	5			$91,350
			Base Construction Cost	$91,350
			Mobilization (5%)	$4,568
			Subtotal 1	$95,918
			Contingency (25%)	$23,980
			Subtotal 2	$119,898
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$53,954
			Total	$173,852
			Estimated Project Cost	**$174,000**

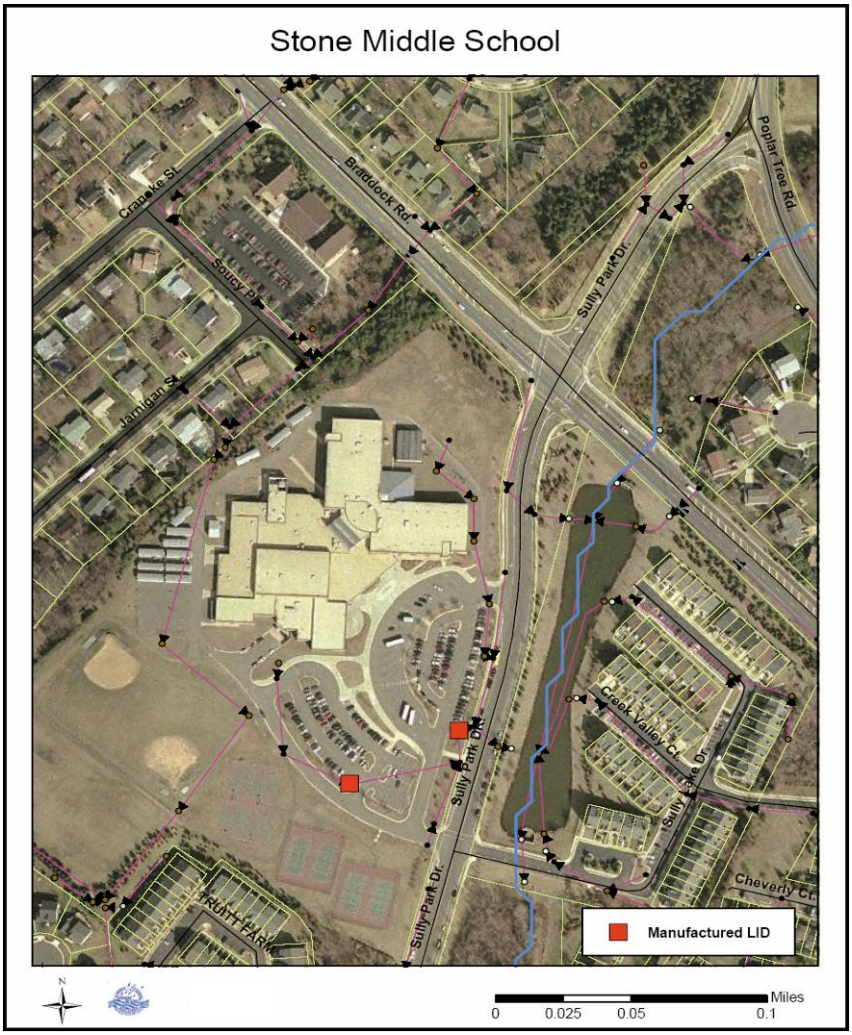
Project ID:	CU9811
Project Type:	LID Projects at Public Facility
Location:	Greenbriar East Elementary School. Point Pleasant Drive near Middle Ridge Drive. Big Rocky Run watershed.
Description:	Implement LID project Greenbriar East Elementary School. Conceptual plan consists of one manufactured bioretention unit at one location. Area served = 0.5 acres



The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	1			$22,200
			Base Construction Cost	$22,200
			Mobilization (5%)	$1,110
			Subtotal 1	$23,310
			Contingency (25%)	$5,828
			Subtotal 2	$29,138
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$13,112
			Total	$42,250
			Estimated Project Cost	**$43,000**

Project ID:	CU9812
Project Type:	LID Projects at Public Facility
Location:	Stone Middle School. Braddock Road and Sully Park Drive. Round Lick Branch.
Description:	Implement LID project at Stone Middle School. Conceptual plan consists of three manufactured bioretention units at two locations. Area served = 1.6 acres



The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	3			$66,600
			Base Construction Cost	$66,600
			Mobilization (5%)	$3,330
			Subtotal 1	$69,930
			Contingency (25%)	$17,483
			Subtotal 2	$87,413
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$39,336
			Total	$126,749
			Estimated Project Cost	**$127,000**

Project ID:	CU9813
Project Type:	LID Projects at Public Facility
Location:	Deer Park Elementary School. Carlbern Drive at Barrymore Road. Middle Cub Run watershed.
Description:	Implement LID project at Deer Park Elementary School. Conceptual plan consists of four manufactured bioretention units at two locations. Area served = 1.8 acres

Deer Park Elementary School

The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	4			$79,350
			Base Construction Cost	$79,350
			Mobilization (5%)	$3,968
			Subtotal 1	$83,318
			Contingency (25%)	$20,830
			Subtotal 2	$104,148
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$46,867
			Total	$151,015
			Estimated Project Cost	**$152,000**

Project ID:	CU9814
Project Type:	LID Projects at Public Facility
Location:	Virginia Run Elementary School. Pleasant Valley Road and Martins Hundred Drive. Middle Cub Run watershed.
Description:	Implement LID project at Virginia Run Elementary School. Conceptual plan consists of two manufactured bioretention units at two locations. Area served = 1.0 acres

Virginia Run Elementary School

The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	2			$44,400
			Base Construction Cost	$44,400
			Mobilization (5%)	$2,220
			Subtotal 1	$46,620
			Contingency (25%)	$11,665
			Subtotal 2	$58,275
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$26,224
			Total	$84,499
			Estimated Project Cost	**$85,000**

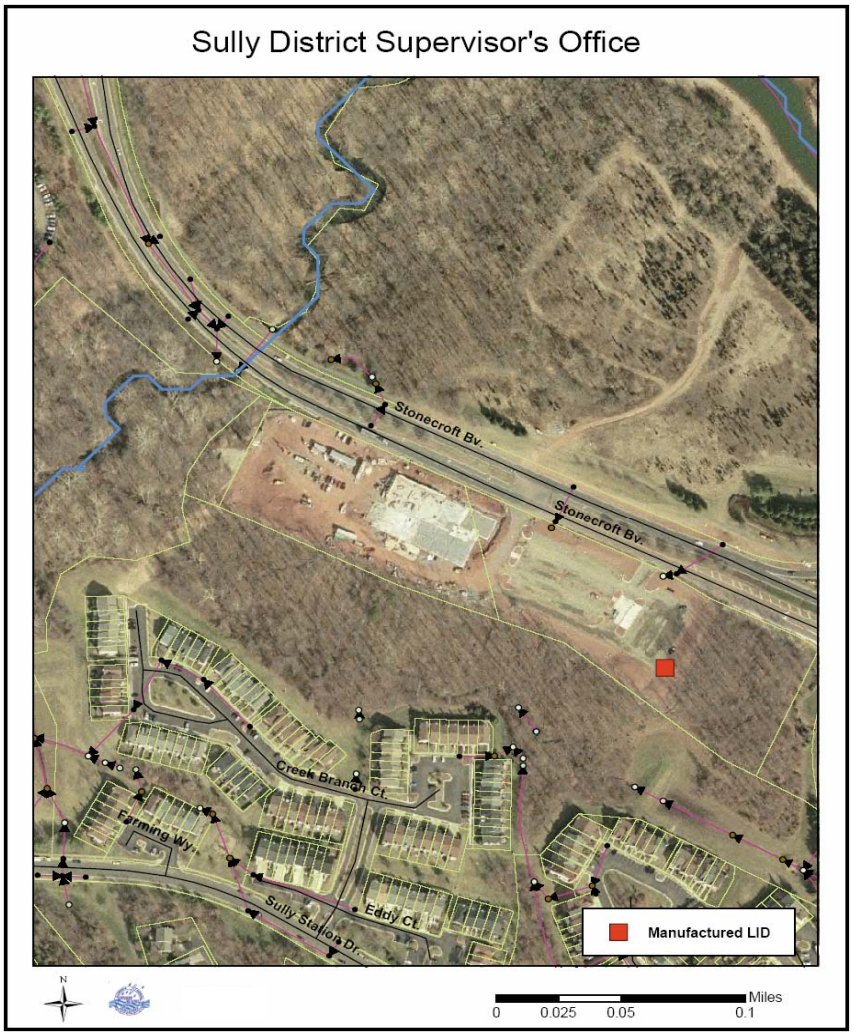
Project ID:	CU9815
Project Type:	LID Projects at Public Facility
Location:	Cub Run Elementary School. Braddock Road and Sully Station Drive. Flatlick Branch watershed.
Description:	Implement LID project at Cub Run Elementary School. Conceptual plan consists of two manufactured bioretention units at one location. Area served = 1.0 acres

Cub Run Elementary School

The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	2			$41,250
			Base Construction Cost	$41,250
			Mobilization (5%)	$2,063
			Subtotal 1	$43,313
			Contingency (25%)	$10,828
			Subtotal 2	$54,141
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$24,363
			Total	$78,504
			Estimated Project Cost	**$79,000**

Project ID:	CU9816
Project Type:	LID Projects at Public Facility
Location:	Sully District Supervisor's Office. Stonecroft Boulevard west of Westfields Boulevard. Flatlick Branch watershed.
Description:	Implement LID project at Sully District Supervisor's Office. Conceptual plan consists of one manufactured bioretention unit at one location. Area served = 0.5 acres



The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	1			$22,200
			Base Construction Cost	$22,200
			Mobilization (5%)	$1,110
			Subtotal 1	$23,310
			Contingency (25%)	$5,828
			Subtotal 2	$29,138
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$13,112
			Total	$42,250
			Estimated Project Cost	**$43,000**

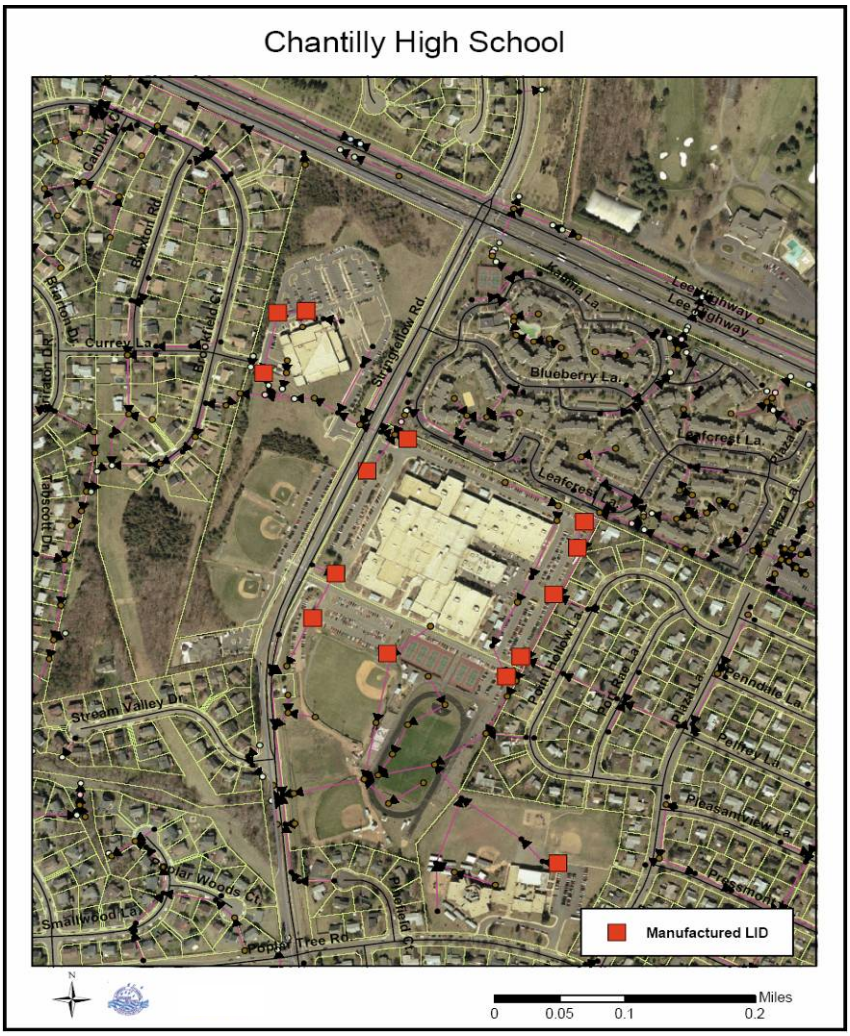
Project ID:	CU9817
Project Type:	LID Projects at Public Facility
Location:	Chantilly Library. Stringfellow Road south of Route 50. Frog Branch watershed.
Description:	Implement LID project at Chantilly Library. Conceptual plan consists of five manufactured bioretention units at three locations. Area served = 2.0 acres

Chantilly Library

The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	5			$92,850
			Base Construction Cost	$92,850
			Mobilization (5%)	$4,643
			Subtotal 1	$97,493
			Contingency (25%)	$24,373
			Subtotal 2	$121,866
			Engineering design, surveys, land acquisition, utility locations, and permits (45%)	$54,840
			Total	$176,706
			Estimated Project Cost	**$177,000**

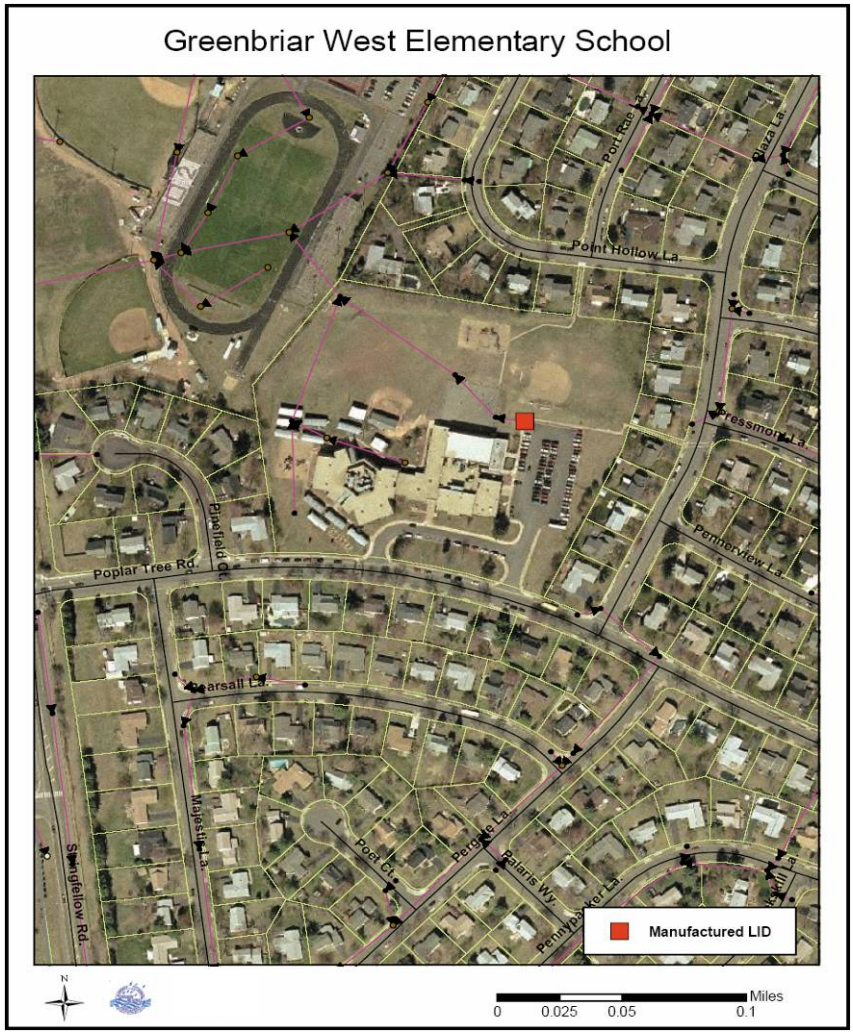
Project ID:	CU9818
Project Type:	LID Projects at Public Facility
Location:	Chantilly High School. Stringfellow Road south of Route 50. Frog Branch watershed.
Description:	Implement LID project at Chantilly High School. Conceptual plan consists of sixteen manufactured bioretention units at ten locations. Area served = 6.4 acres



The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	16			$303,000
			Base Construction Cost	$303,000
			Mobilization (5%)	$15,150
			Subtotal 1	$318,150
			Contingency (25%)	$79,538
			Subtotal 2	$397,688
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$178,960
			Total	$576,648
			Estimated Project Cost	**$577,000**

Project ID:	CU9819
Project Type:	LID Projects at Public Facility
Location:	Greenbriar West Elementary School. Poplar Tree Road near Plaza Lane. Frog Branch watershed.
Description:	Implement LID project at Greenbriar West Elementary School. Conceptual plan consists of two manufactured bioretention units at one location. Area served = 0.7 acres



The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	2			$33,750
			Base Construction Cost	$33,750
			Mobilization (5%)	$1,688
			Subtotal 1	$35,438
			Contingency (25%)	$8,860
			Subtotal 2	$44,298
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$19,934
			Total	$64,232
			Estimated Project Cost	**$65,000**

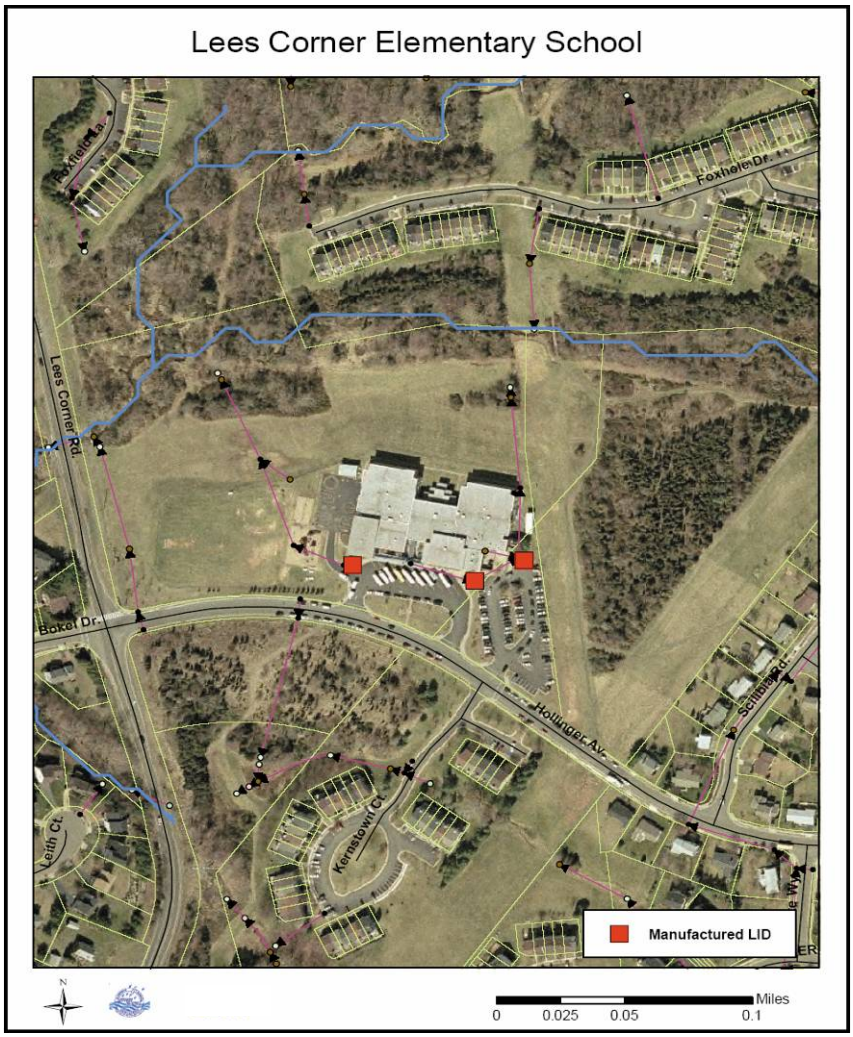
Project ID:	CU9820
Project Type:	LID Projects at Public Facility
Location:	Brookfield Elementary School. Lees Corner Road south of Tabscott Drive. Frog Branch and Flatlick Branch watersheds.
Description:	Implement LID project at Brookfield Elementary School. Conceptual plan consists of four manufactured bioretention units at three locations. Area served = 1.7 acres

Brookfield Elementary School

The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	4			$78,600
			Base Construction Cost	$78,600
			Mobilization (5%)	$3,930
			Subtotal 1	$82,520
			Contingency (25%)	$20,633
			Subtotal 2	$103,163
			Engineering design, surveys, land acquisition, utility locations, and permits (45%)	$46,423
			Total	$149,586
			Estimated Project Cost	**$150,000**

Project ID:	CU9821
Project Type:	LID Projects at Public Facility
Location:	Lees Corner Elementary School. Hollinger Avenue east of Lees Corner Road. Oxlick Branch.
Description:	Implement LID project at Lees Corner Elementary School. Conceptual plan consists of three manufactured bioretention units at three locations. Area served = 1.1 acres



The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	3			$52,800
			Base Construction Cost	$52,800
			Mobilization (5%)	$2,640
			Subtotal 1	$55,440
			Contingency (25%)	$13,860
			Subtotal 2	$69,300
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$31,185
			Total	$100,485
			Estimated Project Cost	**$101,000**

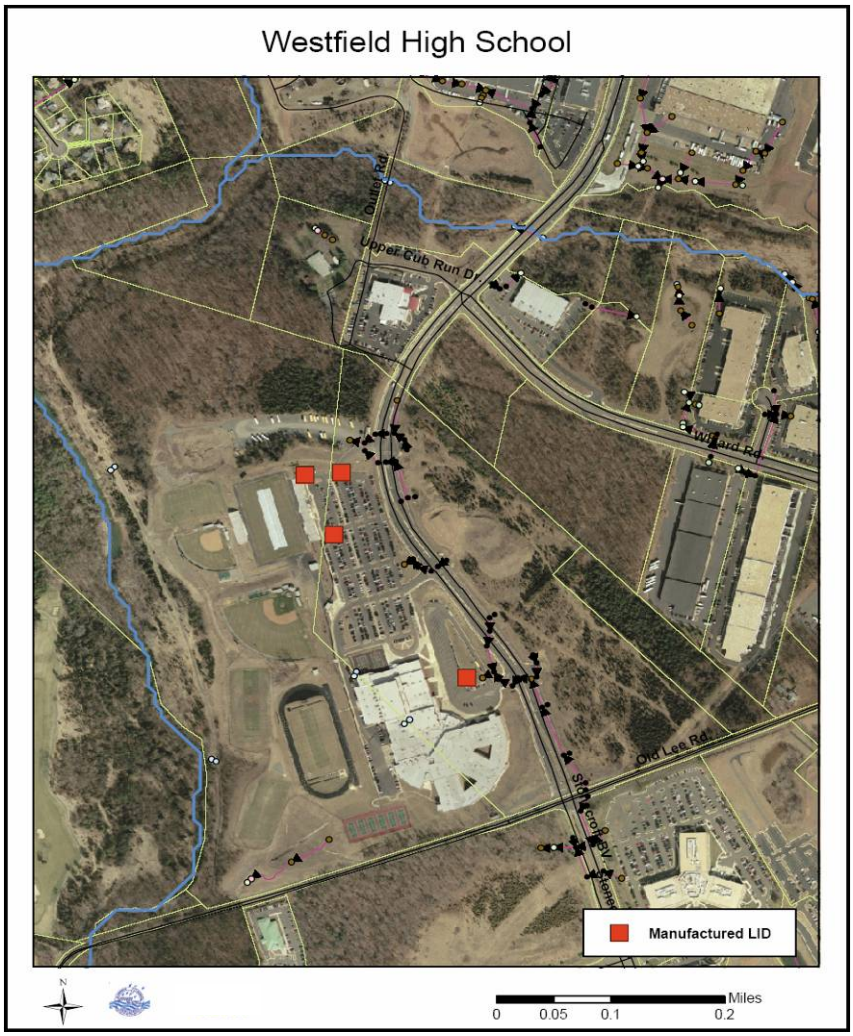
Project ID:	CU9822
Project Type:	LID Projects at Public Facility
Location:	Navy Elementary School. West Ox Road and Ox Trail. Oxlick Branch.
Description:	Implement LID project at Navy Elementary School. Conceptual plan consists of two manufactured bioretention units at two locations. Area served = 0.6 acres

Navy Elementary School

The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	2			$30,300
			Base Construction Cost	$30,300
			Mobilization (5%)	$1,515
			Subtotal 1	$31,815
			Contingency (25%)	$7,954
			Subtotal 2	$39,769
			Engineering design, surveys, land acquisition, utility locations, and permits (45%)	$17,896
			Total	$57,665
			Estimated Project Cost	**$58,000**

Project ID:	CU9823
Project Type:	LID Projects at Public Facility
Location:	Westfield High School, Stonecroft Boulevard and Old Lee Road. Upper Cub Run watershed.
Description:	Implement LID project at Westfield High School. Conceptual plan consists of four manufactured bioretention units at four locations. Area served = 1.5 acres



The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	4			$67,950
			Base Construction Cost	$67,950
			Mobilization (5%)	$3,398
			Subtotal 1	$71,348
			Contingency (25%)	$17,837
			Subtotal 2	$89,185
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$40,133
			Total	$129,318
			Estimated Project Cost	**$130,000**

Project ID:	CU9824
Project Type:	LID Projects at Public Facility
Location:	Cub Run Recreation Center, Stonecroft Boulevard. Upper Cub Run watershed.
Description:	Implement LID project at Cub Run Recreation Center. Conceptual plan consists of three manufactured bioretention units at one location. Area served = 1.5 acres

PHOTO NOT AVAILABLE

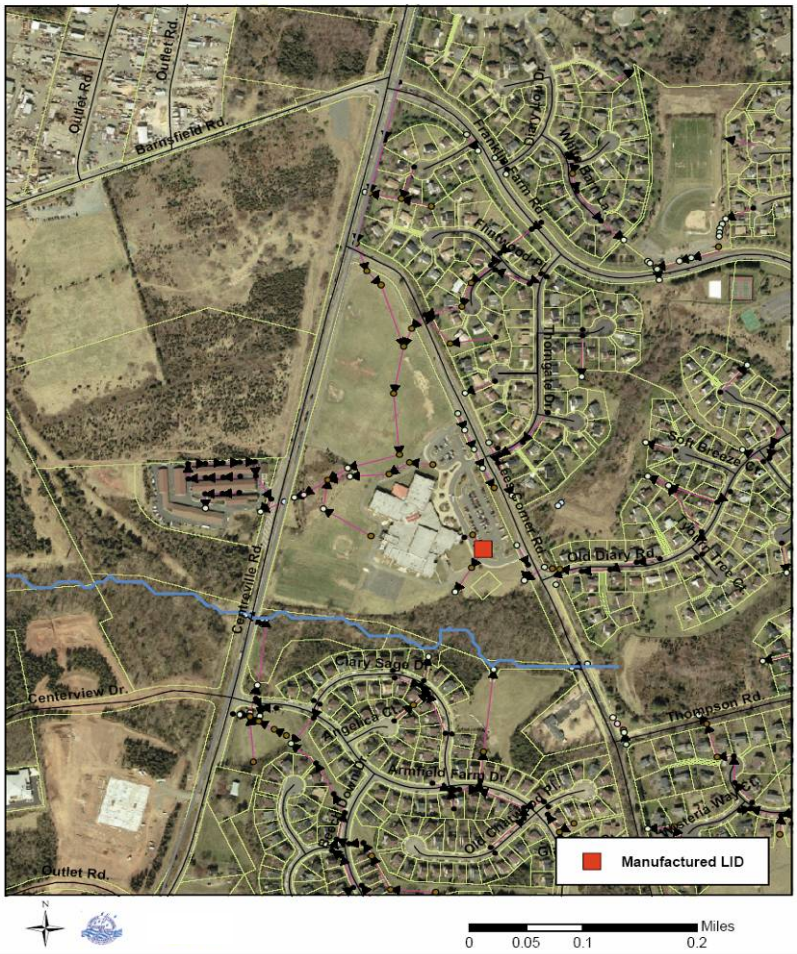
The facility was constructed after the date of the aerial photography used for this project

The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	3			$66,600
			Base Construction Cost	$66,600
			Mobilization (5%)	$3,330
			Subtotal 1	$69,930
			Contingency (25%)	$17,483
			Subtotal 2	$87,413
			Engineering design, surveys, land acquisition, utility locations, and permits (45%)	$39,336
			Total	$126,749
			Estimated Project Cost	**$127,000**

Project ID:	CU9825
Project Type:	LID Projects at Public Facility
Location:	Franklin Middle School. Centreville Road and Lees Corner Road. Cain Branch Watershed.
Description:	Implement LID project at Franklin Middle School. Conceptual plan consists of one manufactured bioretention unit at one location. Area served = 0.6 acres

Franklin Middle School



The number and types of bioretention units included in the conceptual design form the basis for the construction cost estimate included in the plan. The sites will be evaluated for alternative onsite LID options such as conventional bioretention rain gardens, porous pavement, drainage swales, etc at the time that preliminary design evaluations are performed.

Project Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Manufactured Bioretention Units	1			$22,200
			Base Construction Cost	$22,200
			Mobilization (5%)	$1,110
			Subtotal 1	$23,310
			Contingency (25%)	$5,828
			Subtotal 2	$29,138
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$13,112
			Total	$42,250
			Estimated Project Cost	**$43,000**