

Fact Sheets

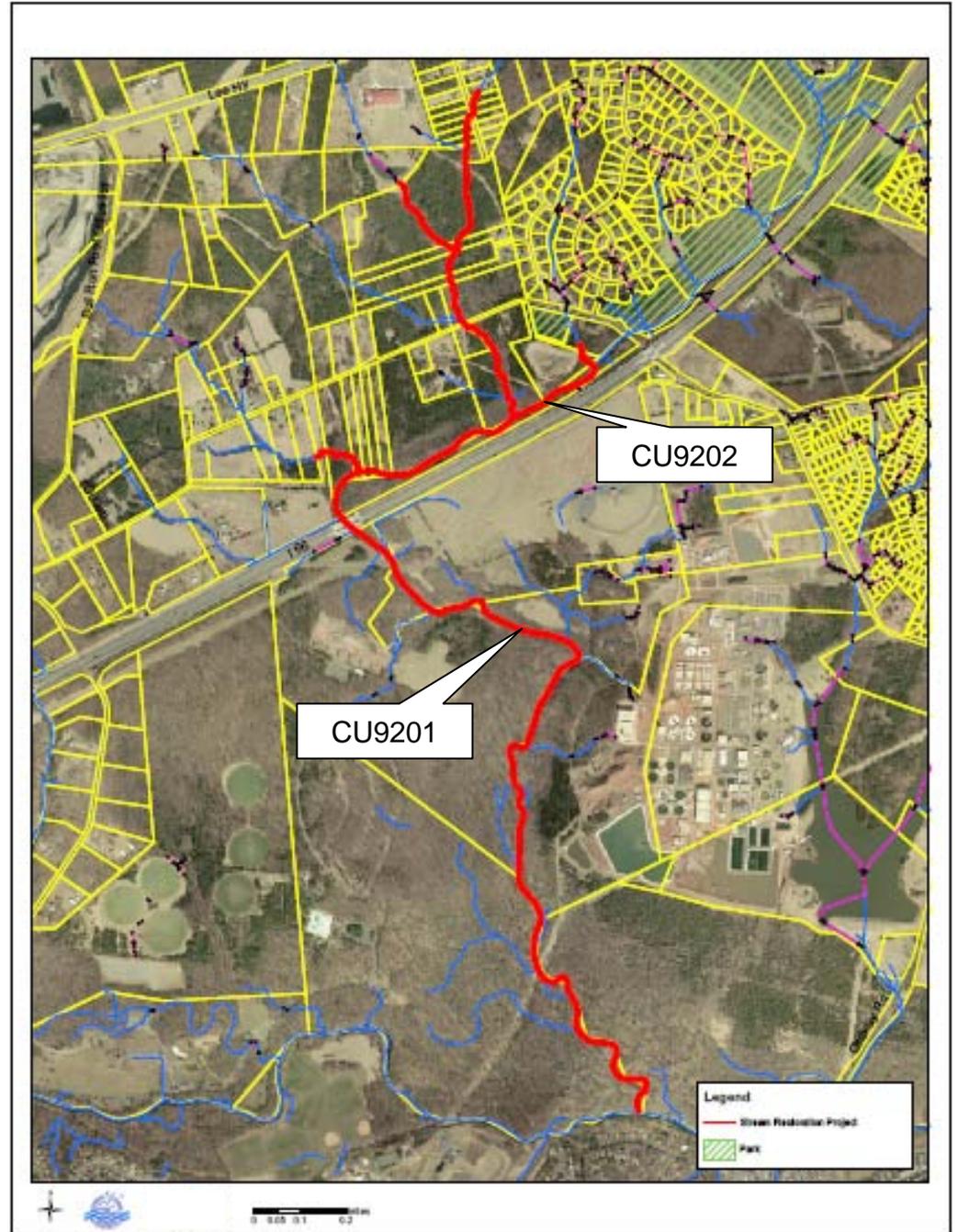
Projects CU9201 through CU9221

Cub Run Watershed Stream Restoration Projects

Projects CU9201 through CU9221.

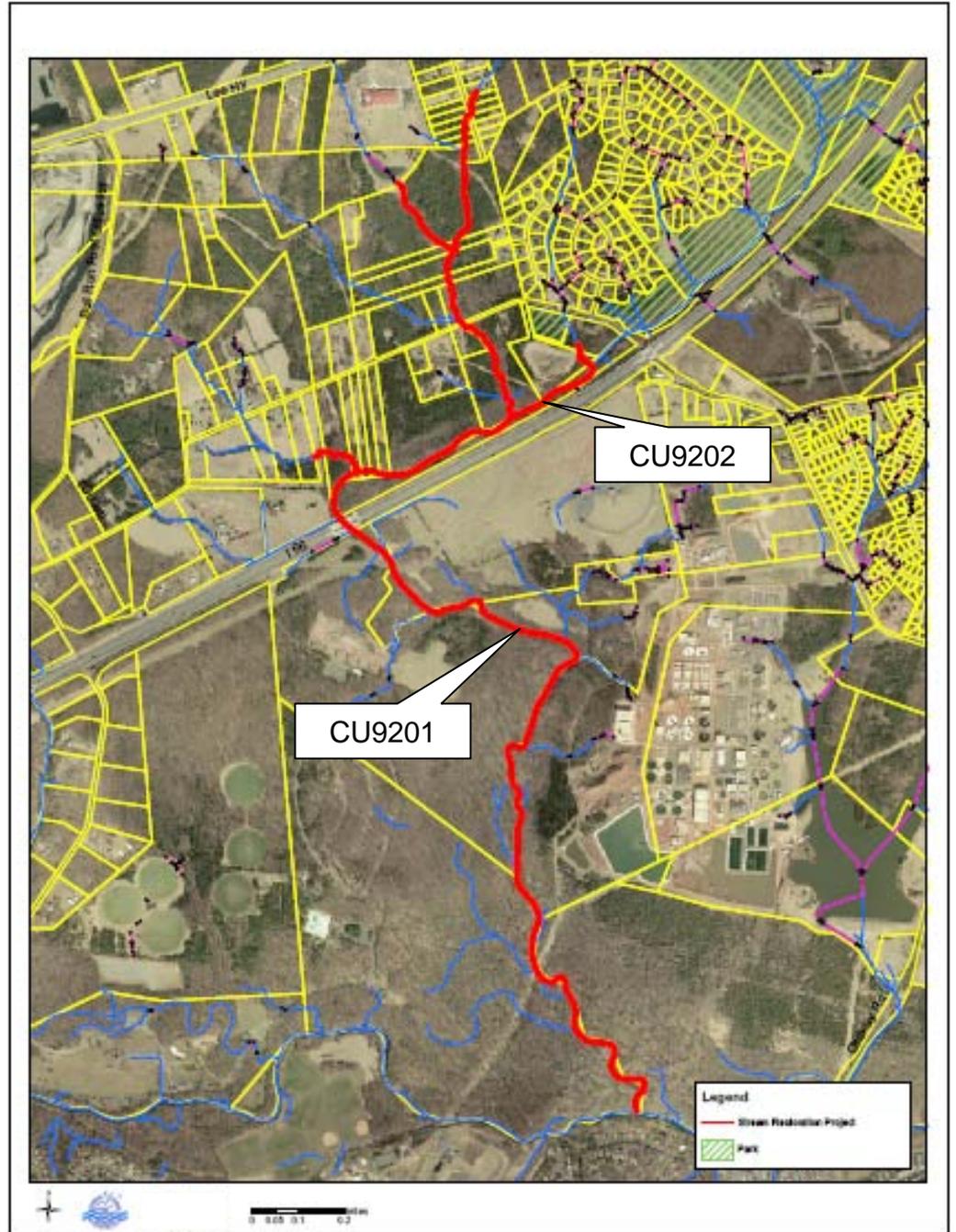
Project ID:	CU9201
Project Type:	Stream Restoration
Location:	Lower Cub Run – Within Bull Run Regional Park south of Route 66 Tax Maps – 64-4 and 73-2
Description:	Stream erosion inventory lines with impact scores up to 7. Significant reaches have bank stability scores of 3 or less and stream buffer impacts. Located within Northern Virginia Regional Park Authority Bull Run Regional Park. Total project length is 10,030 feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	10,030	Feet	\$186.98	\$1,875,400
Base Construction Cost				\$1,875,400
Mobilization (5%)				\$93,770
Subtotal 1				\$1,969,170
Contingency (25%)				\$492,293
Subtotal 2				\$2,461,463
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$1,107,658
Total				\$3,569,121
Estimated Project Cost				\$3,570,000



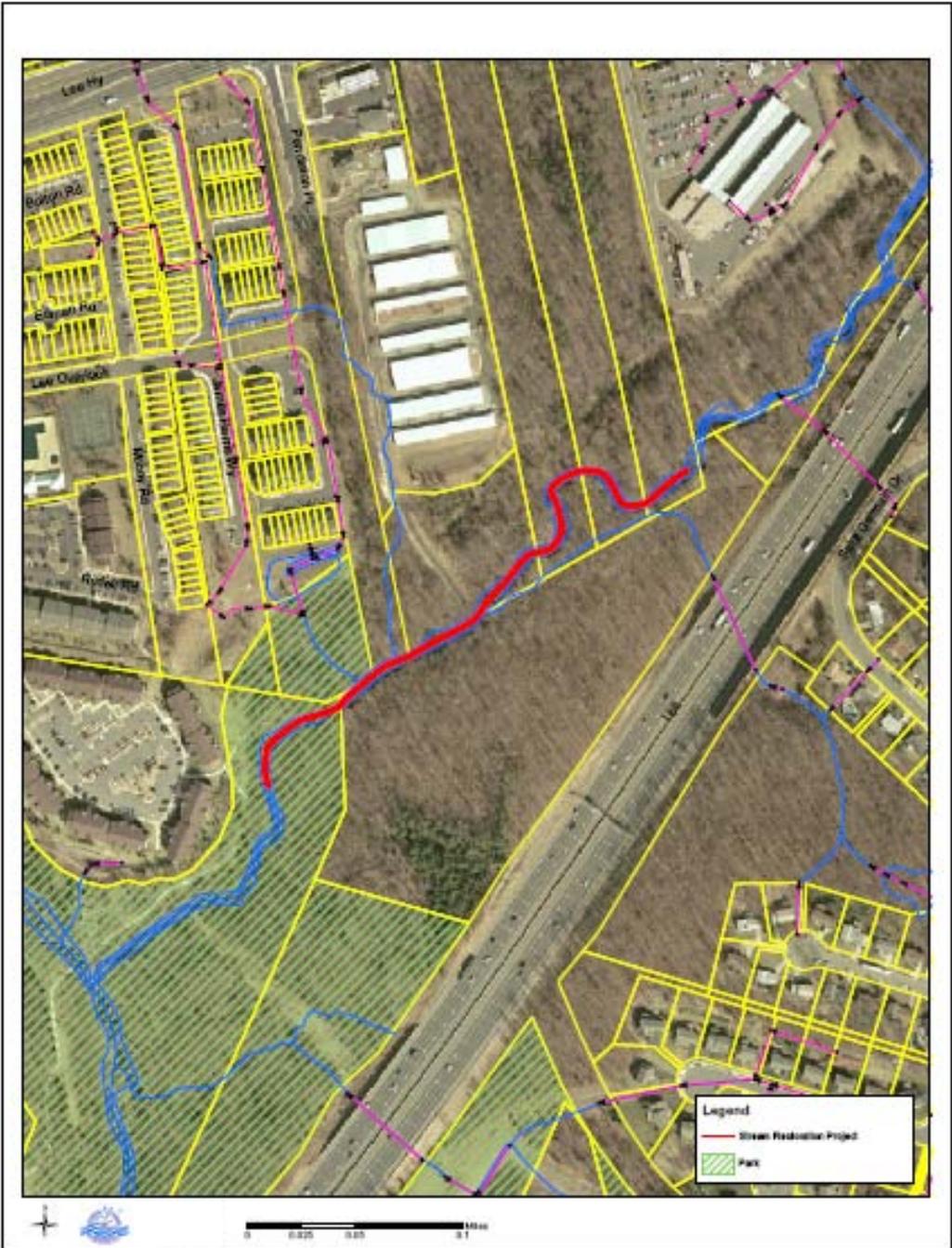
Project ID:	CU9202
Project Type:	Stream Restoration
Location:	Lower Bull Run and unnamed tributaries between Compton Road and I-66 Tax Maps – 64-2, 64-3
Description:	Various segments with stream erosion inventories, stream bank stability 2 though 4, and stream buffer impacts. Two head cuts and SCI scores in some reaches down to 2.0. Located mostly in private property with some stream valley parkland. Total project length is 10,400 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	10,400	Feet	\$145.70	\$1,515,310
Base Construction Cost				\$1,515,310
Mobilization (5%)				\$75,766
Subtotal 1				\$1,591,076
Contingency (25%)				\$397,769
Subtotal 2				\$1,988,844
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$894,980
Total				\$2,883,824
Estimated Project Cost				\$2,884,000



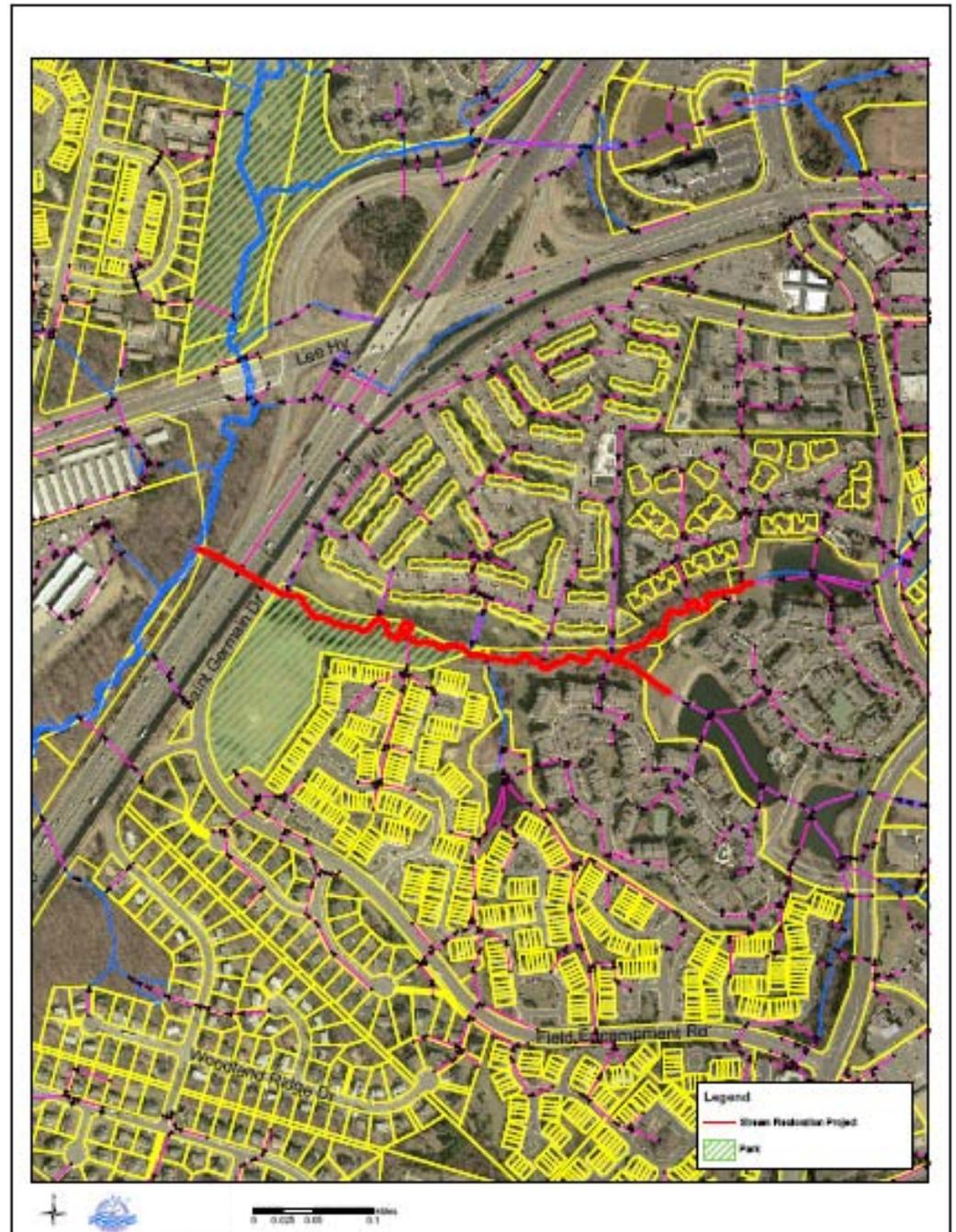
Project ID:	CU9203
Project Type:	Stream Restoration
Location:	Big Rocky Run – Upstream from Cub Run confluence and downstream from Route 29. Parallels I-66. Tax Maps 65-1 Subdivision – Pendleton Park
Description:	Stream bank inventory lines, stability scores of 3 and 4 and buffer impacts. SCI of 2.9. Located partially within stream valley parkland. Total project length is 1,550 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	1,550	Feet	\$281.45	\$436,250
Base Construction Cost				\$436,250
Mobilization (5%)				\$21,813
Subtotal 1				\$458,063
Contingency (25%)				\$114,516
Subtotal 2				\$572,578
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$257,660
Total				\$830,238
Estimated Project Cost				\$831,000



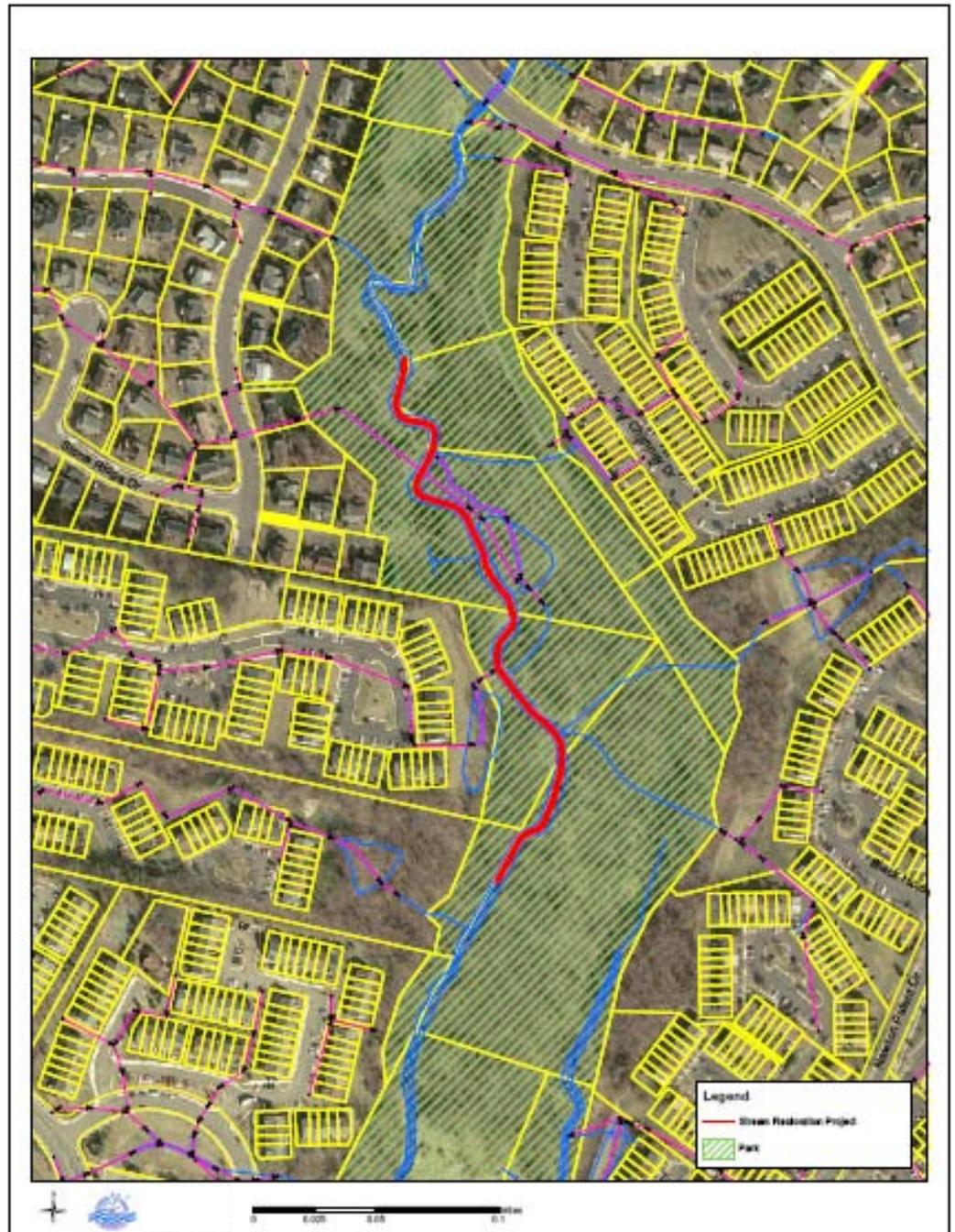
Project ID:	CU9204
Project Type:	Stream Restoration
Location:	Big Rocky Run Tributary upstream from I-66 Tax Map – 54-3, 65-1 Subdivisions - Centre Ridge, Sanderling Condo, The Meadows
Description:	Bank stability scores of 3 and 5, erosion inventory lines with impact score up to 9, and deficient buffers. SCI scores of 2.9 and 2.1. Located partially within parkland and partially within private property. Total project length is 3,470 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	3,470	Feet	\$197.05	\$683,763
Base Construction Cost				\$683,763
Mobilization (5%)				\$34,188
Subtotal 1				\$717,951
Contingency (25%)				\$179,488
Subtotal 2				\$897,439
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$403,848
Total				\$1,301,286
Estimated Project Cost				\$1,302,000



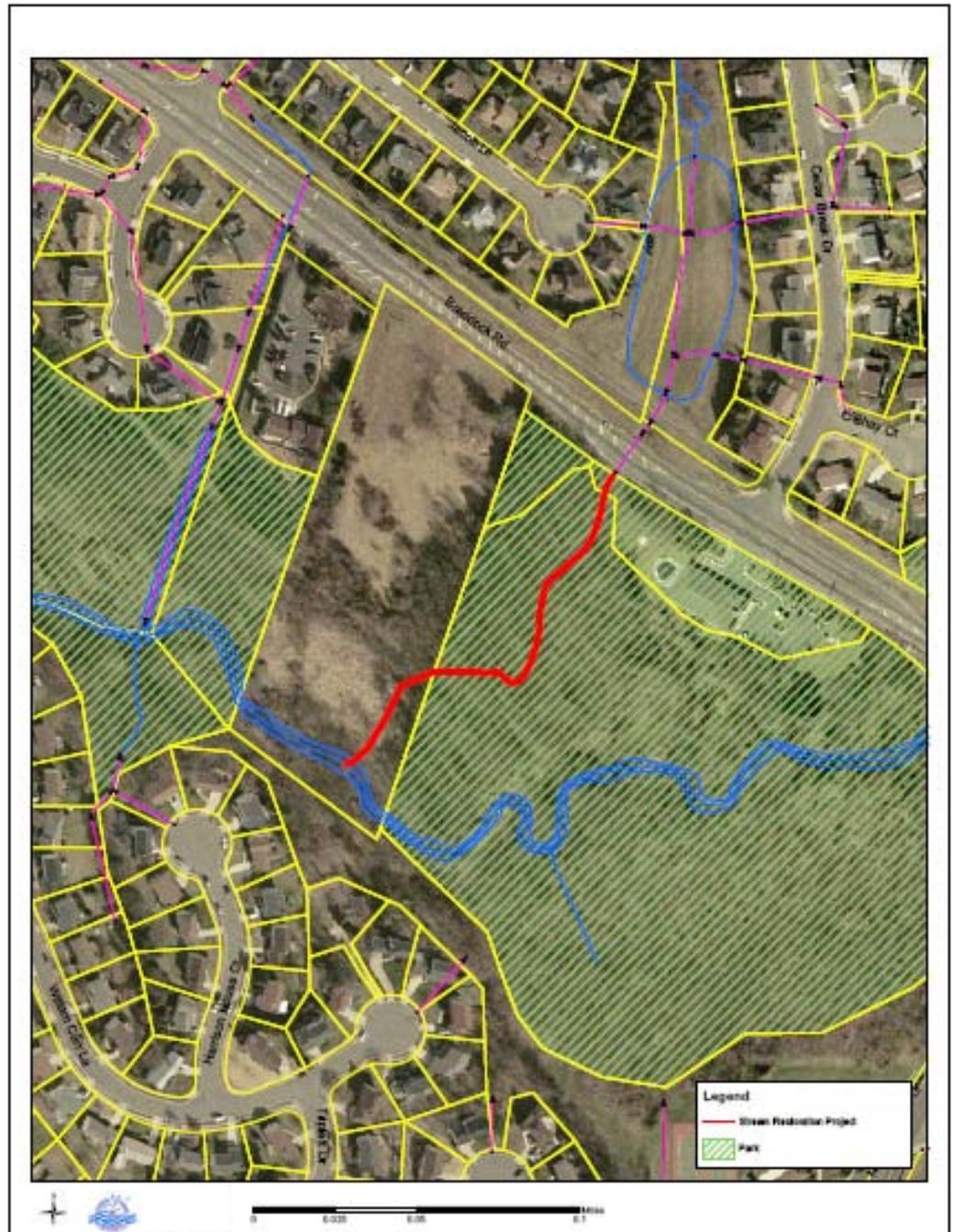
Project ID:	CU9205
Project Type:	Stream Restoration
Location:	Big Rocky Run – Below Awbrey Patent Drive and above Route 29 Tax Map – 54-3 Subdivisions - Battery Ridge, Newgate, Rocky Run
Description:	Bank stability scores of 3 with buffer impacts. Located within Big Rocky Run Stream Valley Park. Total project length is 1,390 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	1,390	Feet	\$271.94	\$378,000
Base Construction Cost				\$378,000
Mobilization (5%)				\$18,900
Subtotal 1				\$396,900
Contingency (25%)				\$99,225
Subtotal 2				\$496,125
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$223,256
Total				\$719,381
Estimated Project Cost				\$720,000



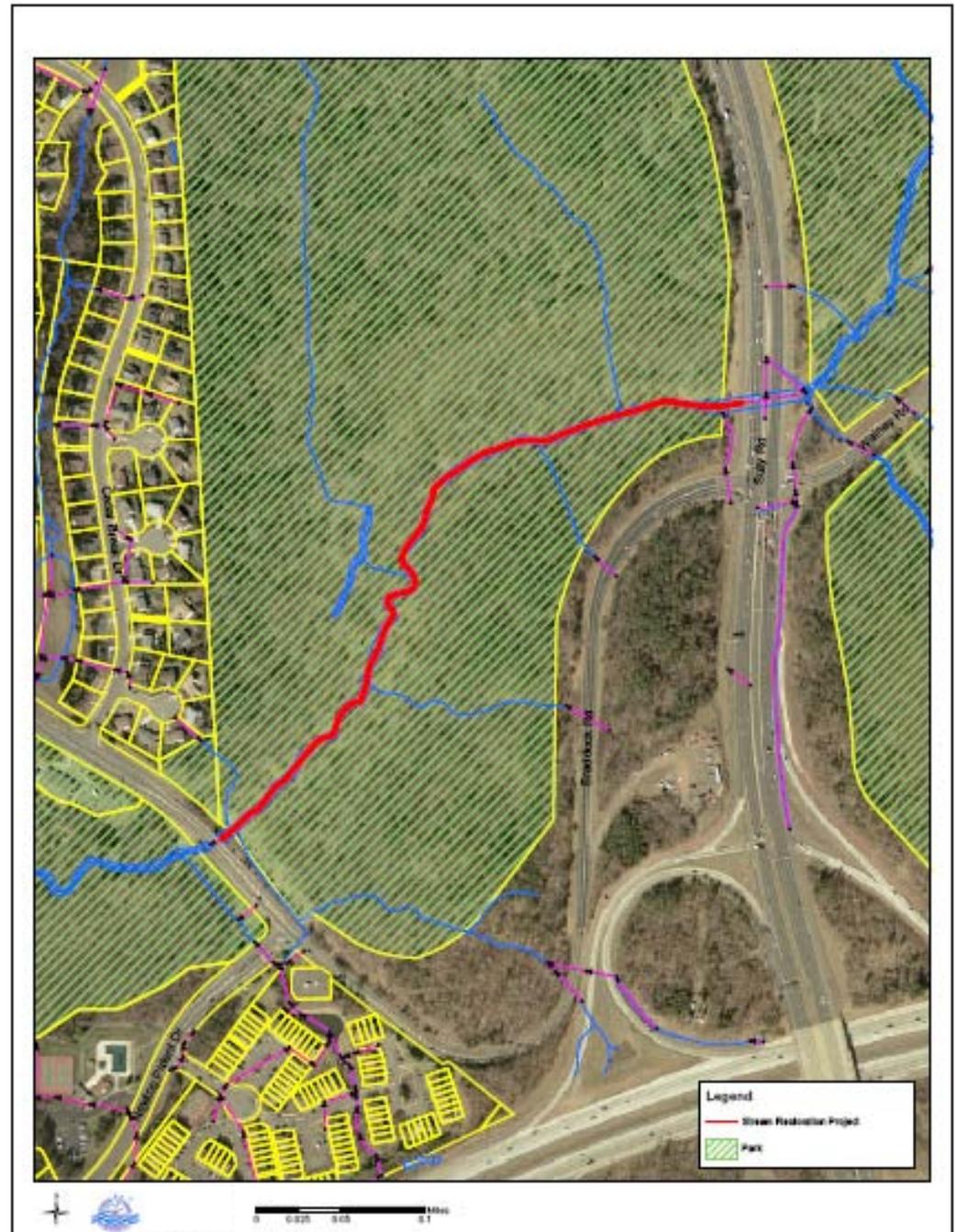
Project ID:	CU9206
Project Type:	Stream Restoration
Location:	Big Rocky Run tributary – Below Braddock Road Tax Map – 54-1 Subdivisions - Newgate
Description:	Small stream with bank stability scores of 3 and minor buffer impacts. Area includes a dump that will be addressed. Located mostly within stream valley park. Total project length is 740 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	740	Feet	\$335.14	\$248,000
Base Construction Cost				\$248,000
Mobilization (5%)				\$12,400
Subtotal 1				\$260,400
Contingency (25%)				\$65,100
Subtotal 2				\$325,500
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$146,475
Total				\$471,975
Estimated Project Cost				\$472,000



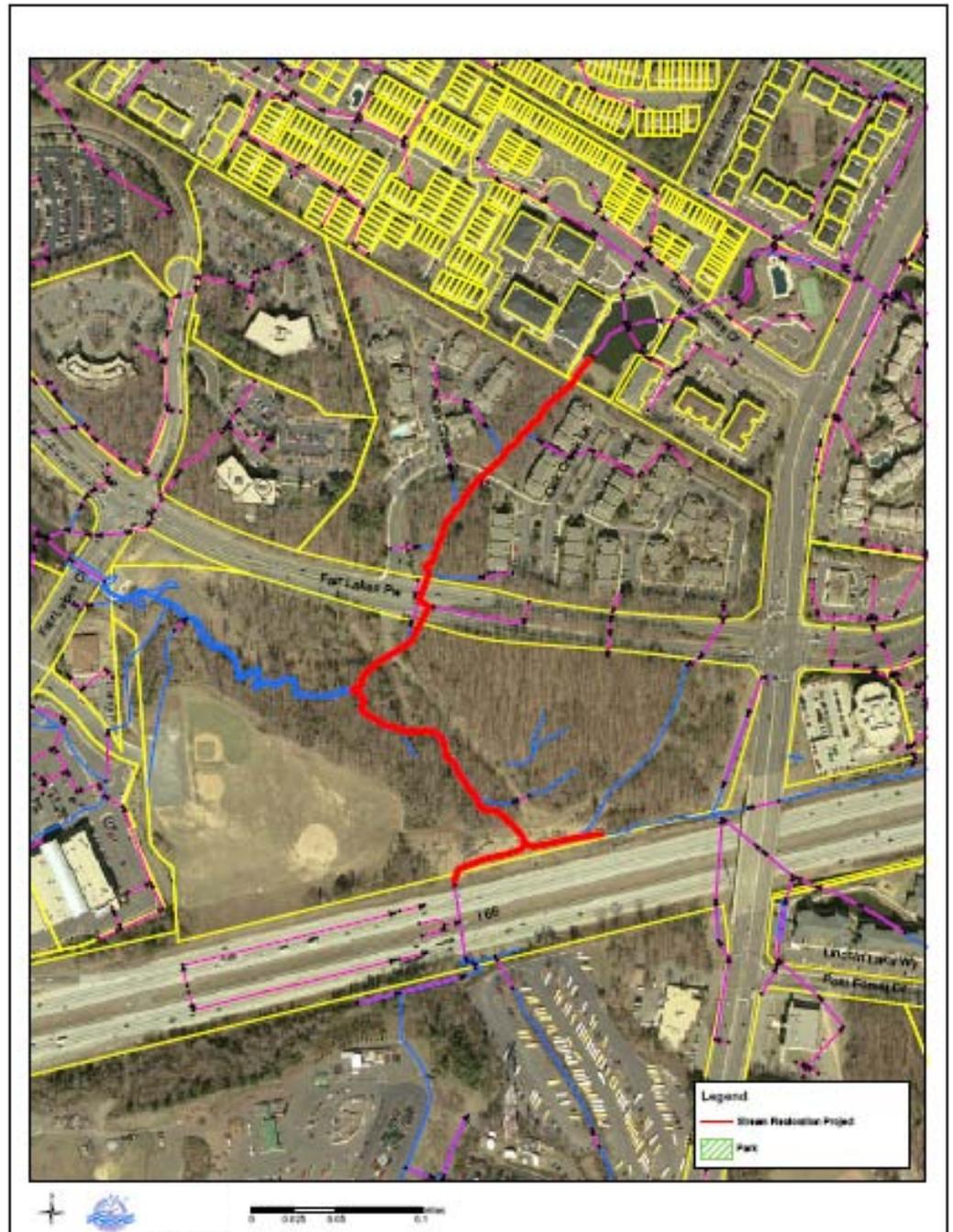
Project ID:	CU9207
Project Type:	Stream Restoration
Location:	Big Rocky Run – Between Route 28 and Braddock Road. Within Ellanor C. Lawrence Park Tax Maps 54-1 and 54-2
Description:	Stream bank stability scores of 3 and 4 throughout. Located within FCPA stream valley parkland. Total project length is 2,450 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	2,450	Feet	\$236.00	\$578,200
Base Construction Cost				\$578,200
Mobilization (5%)				\$28,910
Subtotal 1				\$607,110
Contingency (25%)				\$151,778
Subtotal 2				\$758,888
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$341,499
Total				\$1,100,387
Estimated Project Cost				\$1,101,000



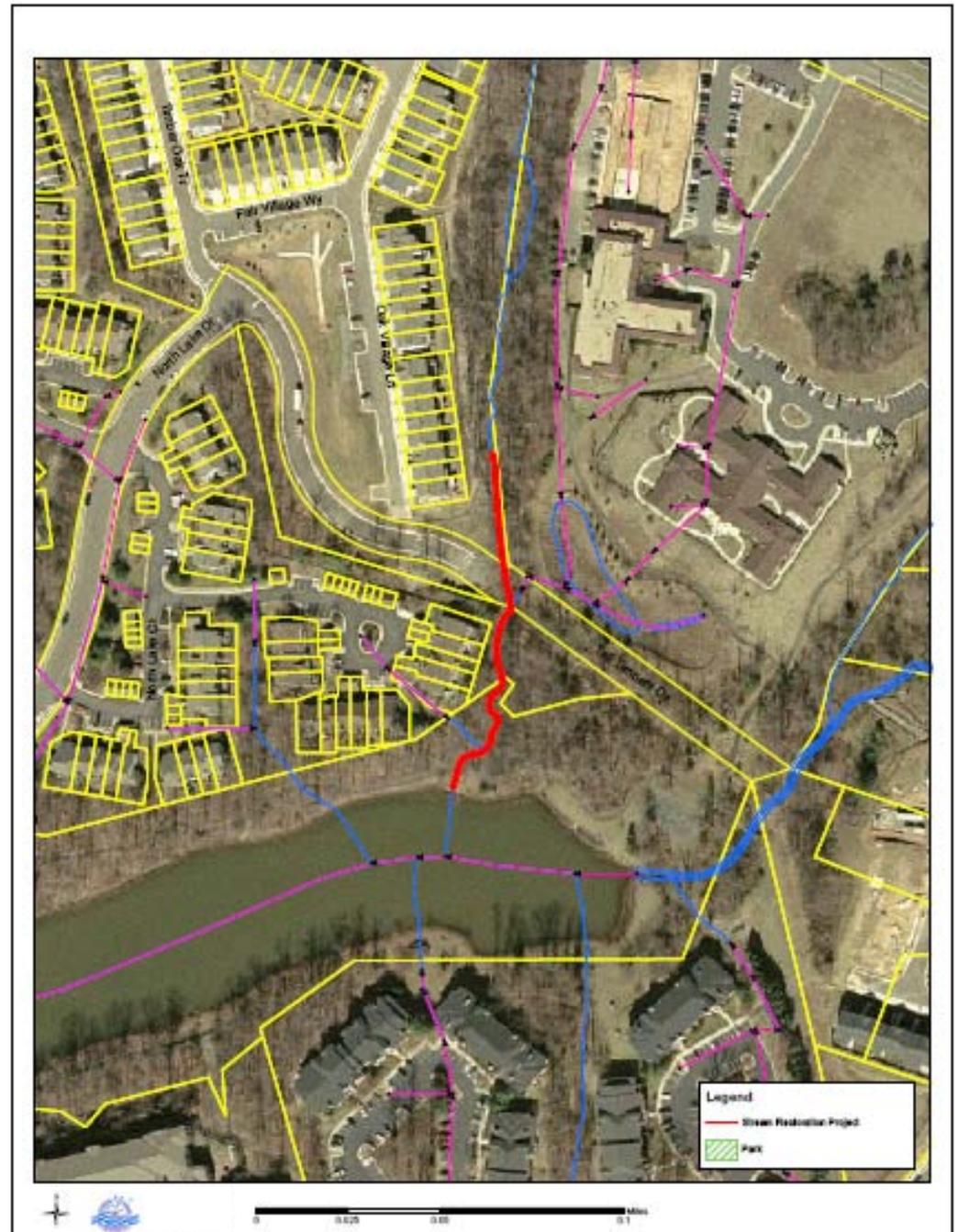
Project ID:	CU9208
Project Type:	Stream Restoration
Location:	Big Rocky Run Tributary – Fair Lakes Tax Map – 46-3. 55-2, 56-1 Subdivisions - Fair Lakes Section 6E
Description:	Stream bank stability of 3 and 4, some stream erosion inventory lines and one head cut. Located partly in stream valley park and partially private property (townhouse development). New development has affected portion of stream since date of photo. Total project length is 2,680 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	2,680	Feet	\$212.64	\$569,870
Base Construction Cost				\$569,870
Mobilization (5%)				\$28,494
Subtotal 1				\$598,364
Contingency (25%)				\$149,591
Subtotal 2				\$747,954
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$336,579
Total				\$1,084,534
Estimated Project Cost				\$1,085,000



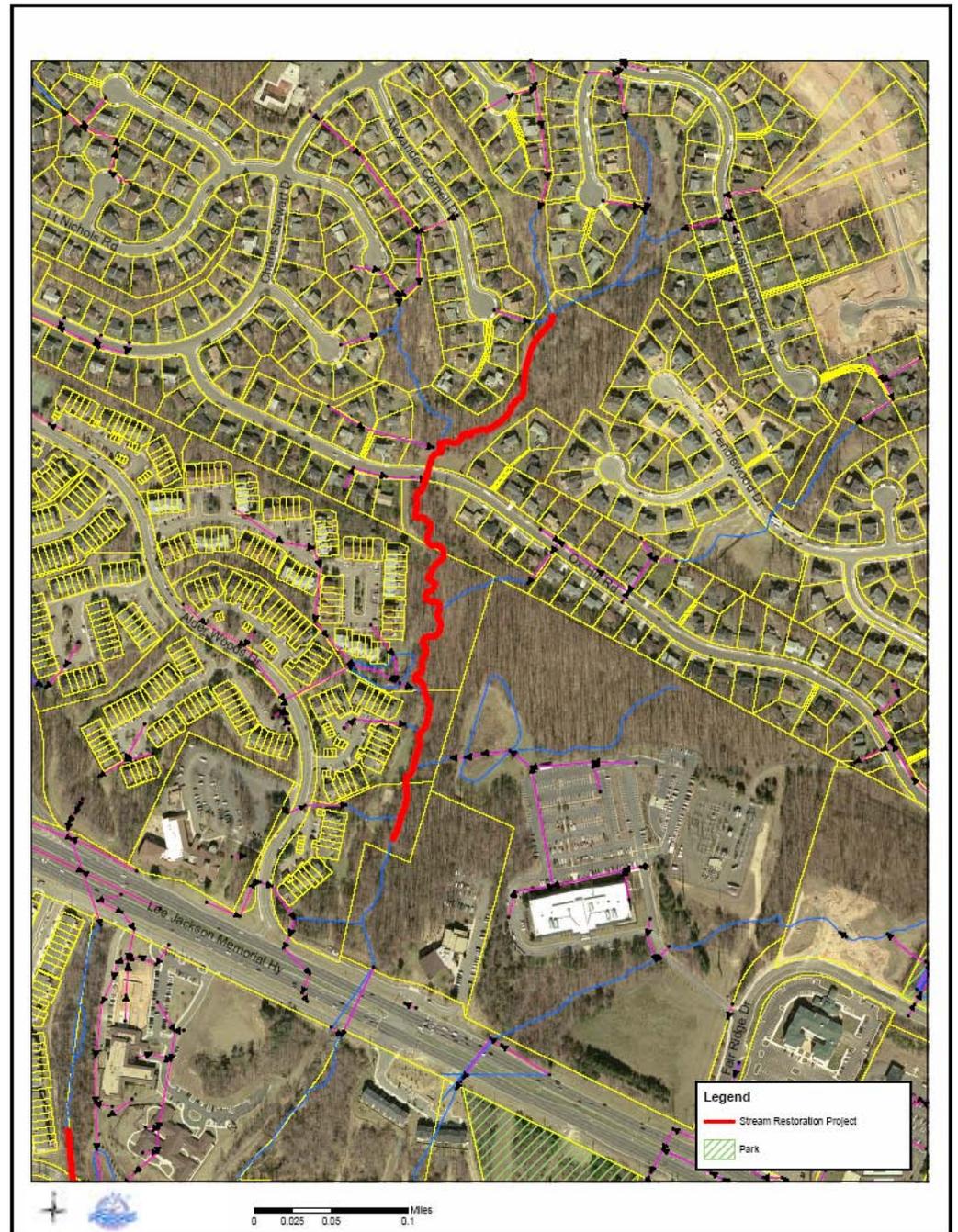
Project ID:	CU9209
Project Type:	Stream Restoration
Location:	Big Rocky Run Tributary – Oaks Chase near Timber Oak Trail. Tax Map 45-4 Subdivision – Fair Lakes Section 1A
Description:	Stream bank stability scores of 3 and deficient buffers. Located within private property. Total project length is 530 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	530	Feet	\$387.26	\$205,250
Base Construction Cost				\$205,250
Mobilization (5%)				\$10,263
Subtotal 1				\$215,513
Contingency (25%)				\$53,878
Subtotal 2				\$269,391
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$121,226
Total				\$390,616
Estimated Project Cost				\$391,000



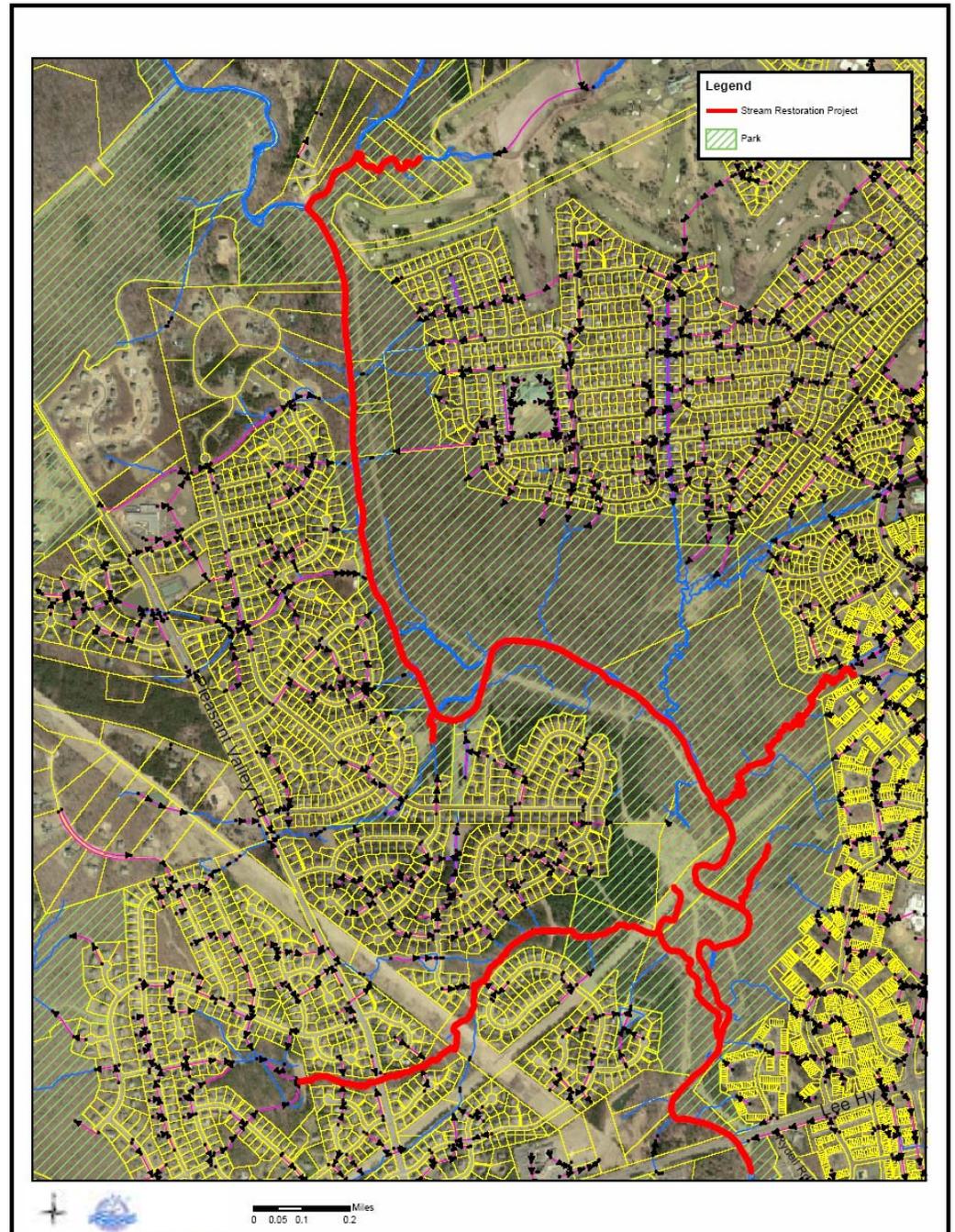
Project ID:	CU9210
Project Type:	Stream Restoration
Location:	Big Rocky Run – Upstream and downstream from Ox Hill Road, Upstream from Route 50. Tax Map – 45-2, 45-4, 46-1 Subdivisions - Fair Oaks Estates, Fair Woods
Description:	Stream bank stability of 2 and deficient buffers. Located within private property (HOA). Total project length is 2,310 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	2,310	Feet	\$219.23	\$506,415
Base Construction Cost				\$506,415
Mobilization (5%)				\$25,321
Subtotal 1				\$531,736
Contingency (25%)				\$132,934
Subtotal 2				\$664,670
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$299,101
Total				\$963,771
Estimated Project Cost				\$964,000



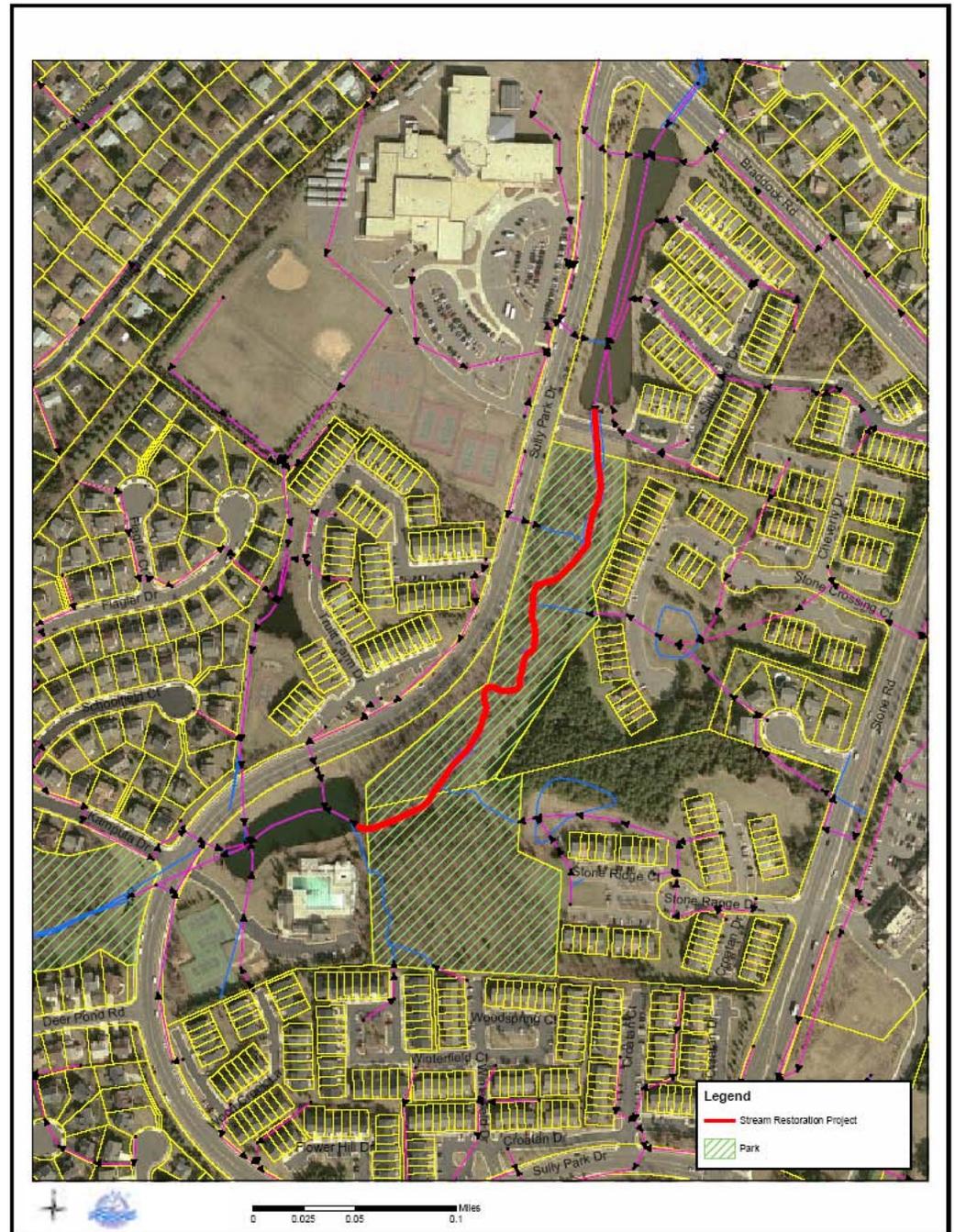
Project ID:	CU9211
Project Type	Stream Restoration
Location:	Middle Cub Run main stem and selected tributaries – From Flatlick Branch to just below Route 29. Tax Maps - 43-3, 43-4, 53-1, 53-2, 53-3, 53-4, 64-2 Subdivisions – Country Club Manor, Pleasant Hill, Sully Estates, Sully Station, Sully Station II, Swart Farm, Virginia Run The Estates, Weltman Estates, Westport
Description:	Various reaches with stream erosion inventory lines with impact scores up to 10 and low stream bank stability scores. Head cuts and deficient buffers. Located mostly in FCPA Cub Run Stream Valley Park with some private property. Total project length is 29,810 linear feet, not all requires restoration. Project may be completed in segments.

Item	Qty	Units	Unit Cost	Total Cost
Length	29,810	Feet	\$182.35	\$5,435,800
Base Construction Cost				\$5,435,800
Mobilization (5%)				\$271,790
Subtotal 1				\$5,707,590
Contingency (25%)				\$1,426,898
Subtotal 2				\$7,134,488
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$3,210,519
Total				\$10,345,007
Estimated Project Cost				\$10,346,000



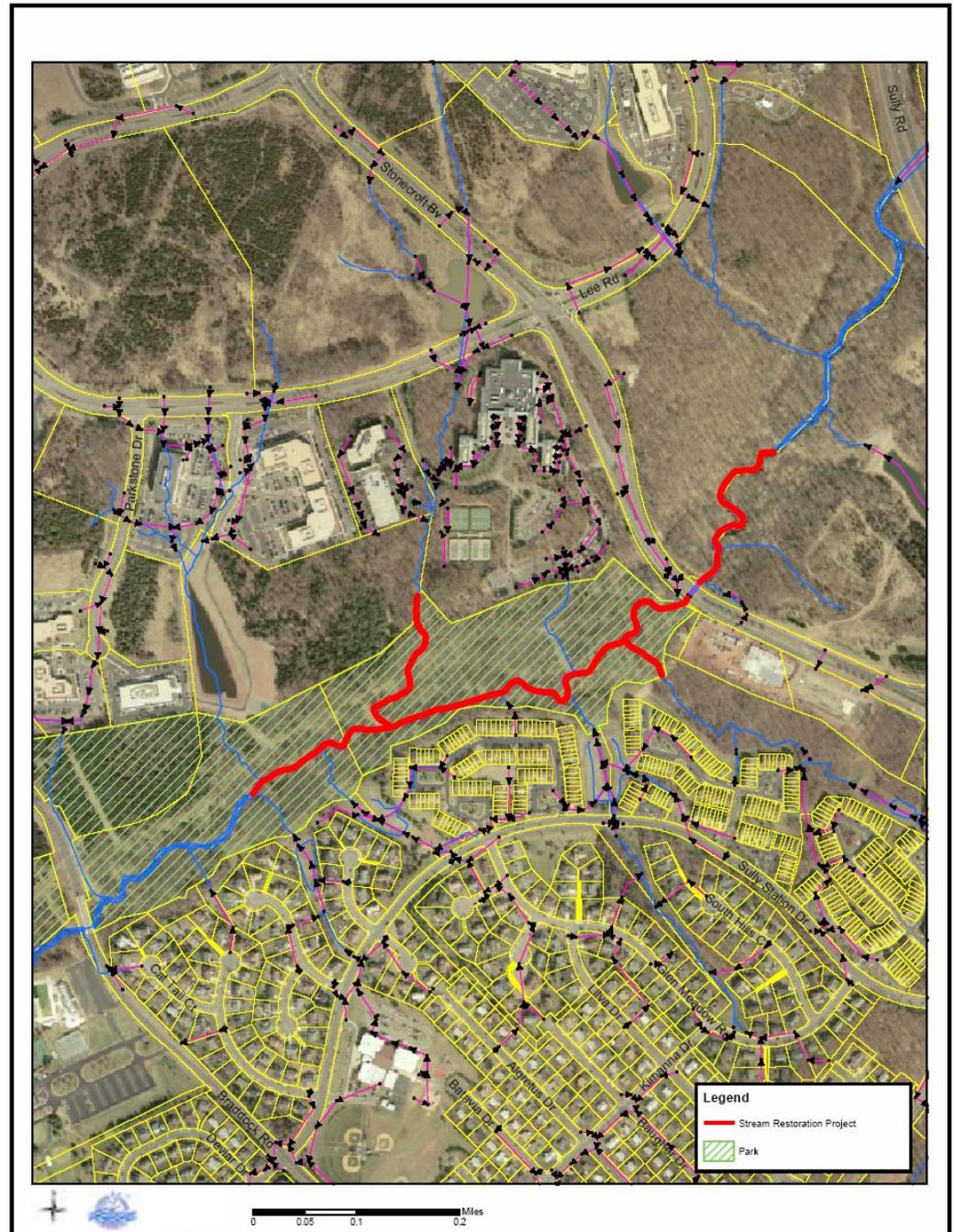
Project ID:	CU9212
Project Type:	Stream Restoration
Location:	Round Lick Branch – Upstream from Sully Park Drive Tax Map – 54-1 Subdivisions – Stone Crossing, Stonehenge, Sully Station
Description:	Stream bank stability scores of 3 and 4 with some deficient stream buffers. Located within stream valley park. Total project length is 1,430 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	1,430	Feet	\$269.93	\$386,000
Base Construction Cost				\$386,000
Mobilization (5%)				\$19,300
Subtotal 1				\$405,300
Contingency (25%)				\$101,325
Subtotal 2				\$506,625
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$227,981
Total				\$734,606
Estimated Project Cost				\$735,000



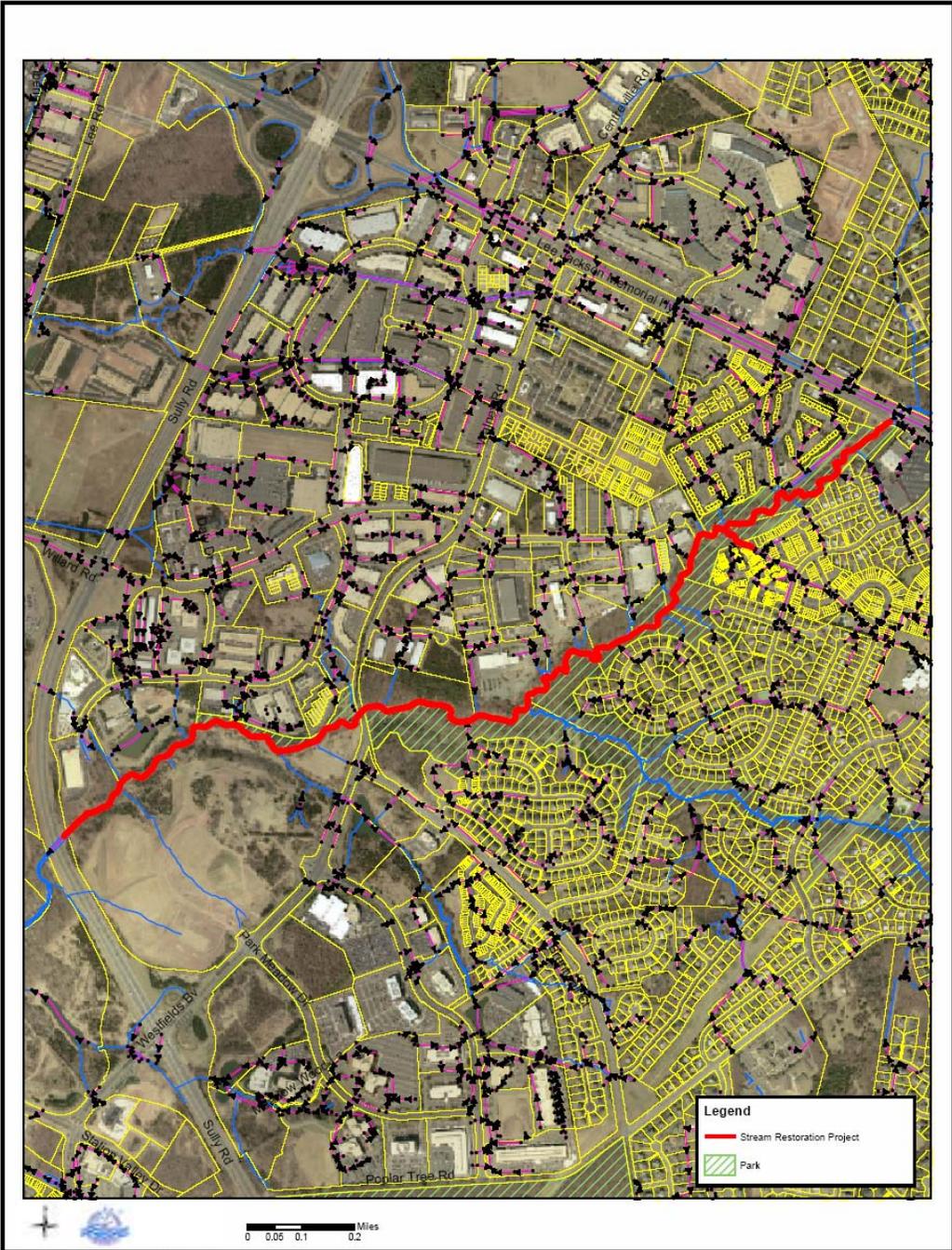
Project ID:	CU9213
Project Type:	Stream Restoration
Location:	Flatlick Branch – Upstream and downstream from Stonecroft Boulevard Tax Map – 43-4 and 44-3 Subdivisions - Sully Station, Westfields International Center at Dulles
Description:	Various erosion and obstruction inventory points and low stream bank stability. Four head cuts and deficient buffers. Located mostly in FCPA Flatlick Branch Stream Valley park with some private property. Total project length is 5,040 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	5,040	Feet	\$208.85	\$1,052,600
Base Construction Cost				\$1,052,600
Mobilization (5%)				\$52,630
Subtotal 1				\$1,105,230
Contingency (25%)				\$276,308
Subtotal 2				\$1,381,538
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$621,692
Total				\$2,003,229
Estimated Project Cost				\$2,004,000



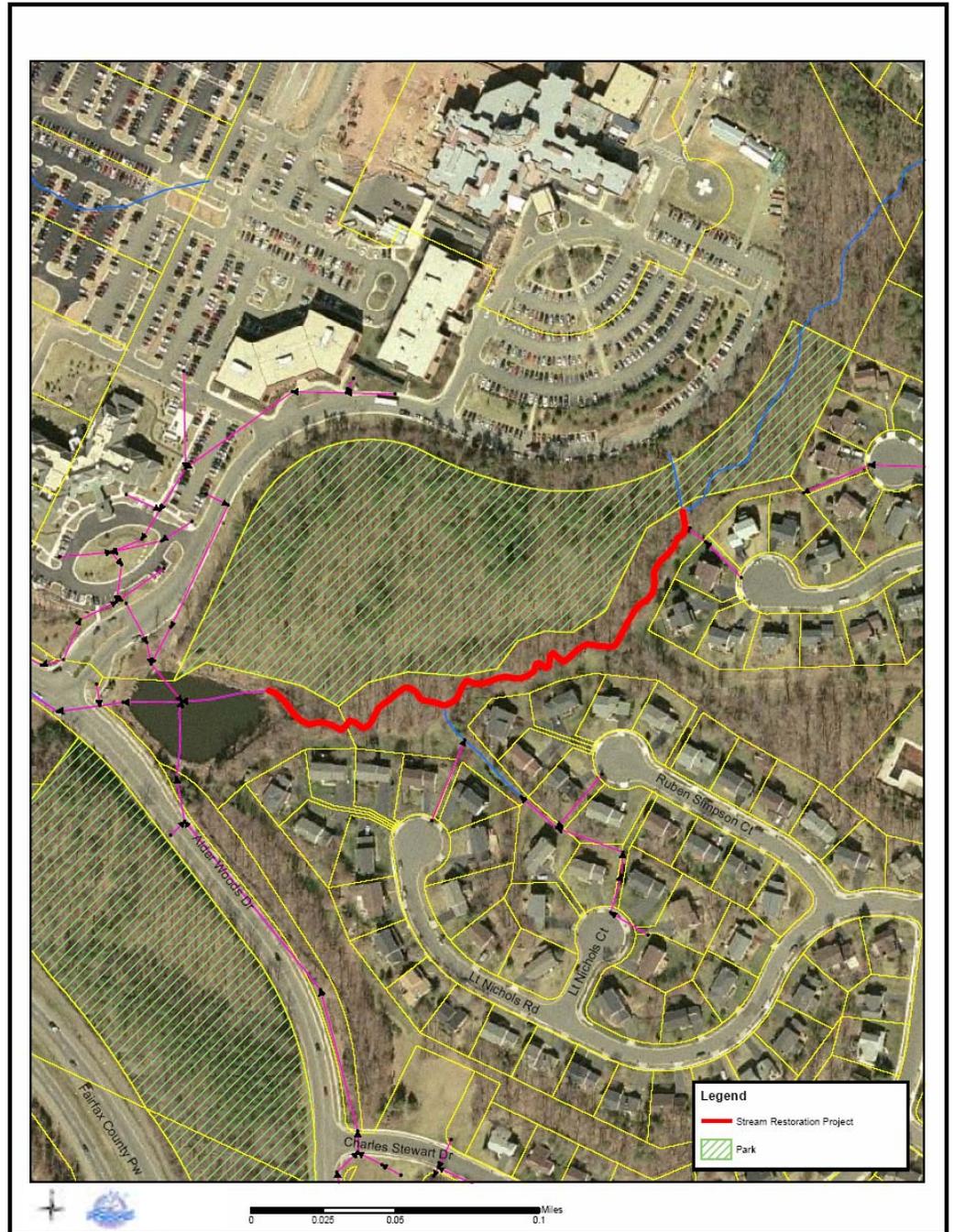
Project ID:	CU9214
Project Type:	Stream Restoration
Location:	Flatlick Branch – Between Route 50 and Route 28 Tax Map – 34-4, 44-1, 44-2 Subdivisions – Brookfield Corporate Center, Brookleigh, Chantilly Industrial Park, Marky Business Center, Walney Road, Waverly Crossing, Willard Industrial Park.
Description:	Stream shows various stream erosion inventory lines and low stream bank stability scores and stream buffer impacts. Located mostly within FCPA Flatlick Branch Stream Valley Park with some private property. Total project length is 11,910 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	11,910	Feet	\$166.45	\$1,982,474
Base Construction Cost				\$1,982,474
Mobilization (5%)				\$99,124
Subtotal 1				\$2,081,598
Contingency (25%)				\$520,399
Subtotal 2				\$2,601,997
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$1,170,899
Total				\$3,772,896
Estimated Project Cost				\$3,773,000



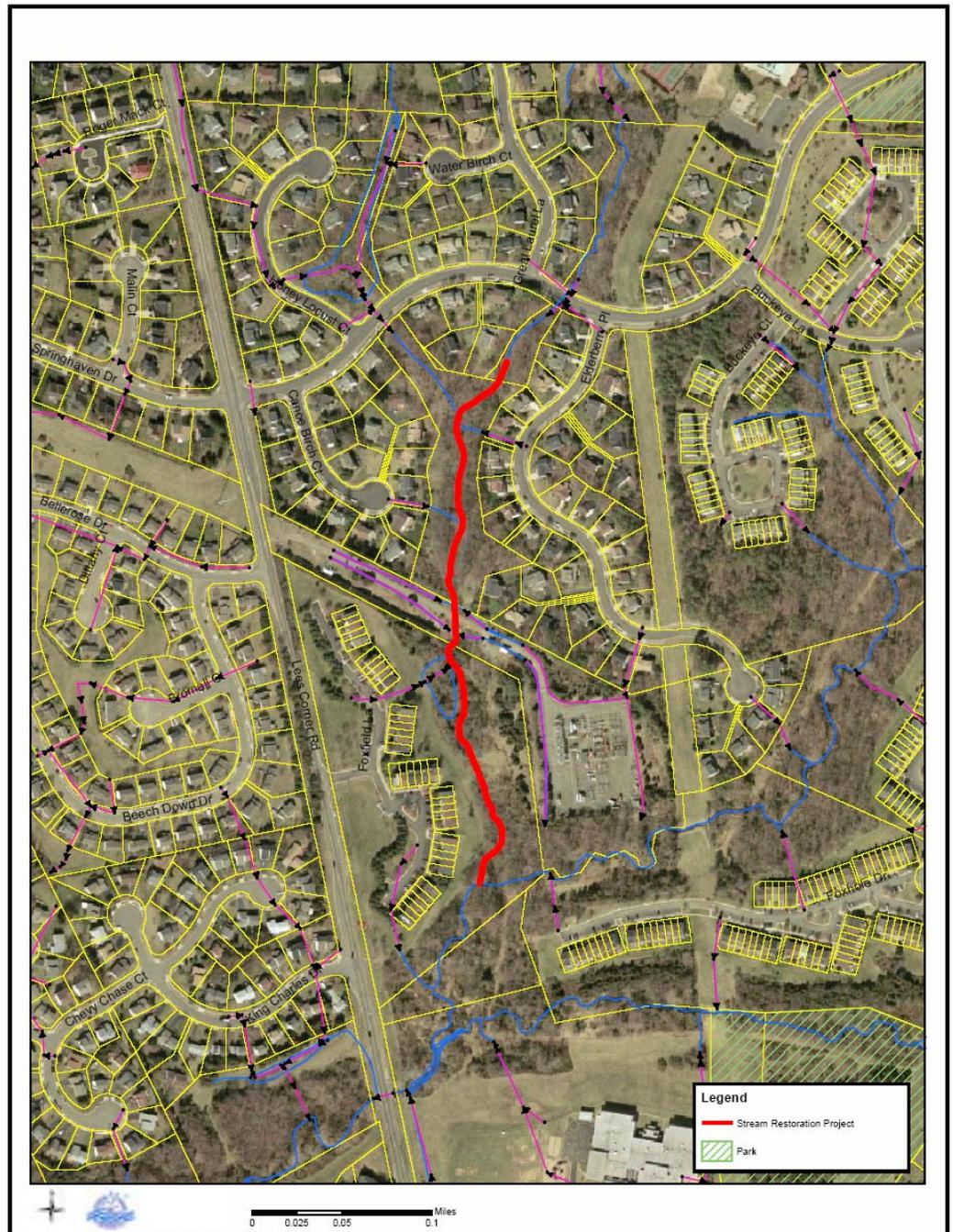
Project ID:	CU9215
Project Type:	Stream Restoration
Location:	Oxlick Branch – Upstream from Alder Woods Drive Fair Oaks Estates Tax Map – 45-2 Subdivision – Fair Oaks Estates
Description:	Bank stability scores of 3 and 2 with stream bank erosion inventory score of 4. Deficient buffer throughout reach. Some of area is parkland and remainder is privately owned by HOA. Total project length is 1,090 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	1,090	Feet	\$278.21	\$303,250
Base Construction Cost				\$303,250
Mobilization (5%)				\$15,163
Subtotal 1				\$318,413
Contingency (25%)				\$79,603
Subtotal 2				\$398,016
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$179,107
Total				\$577,123
Estimated Project Cost				\$578,000



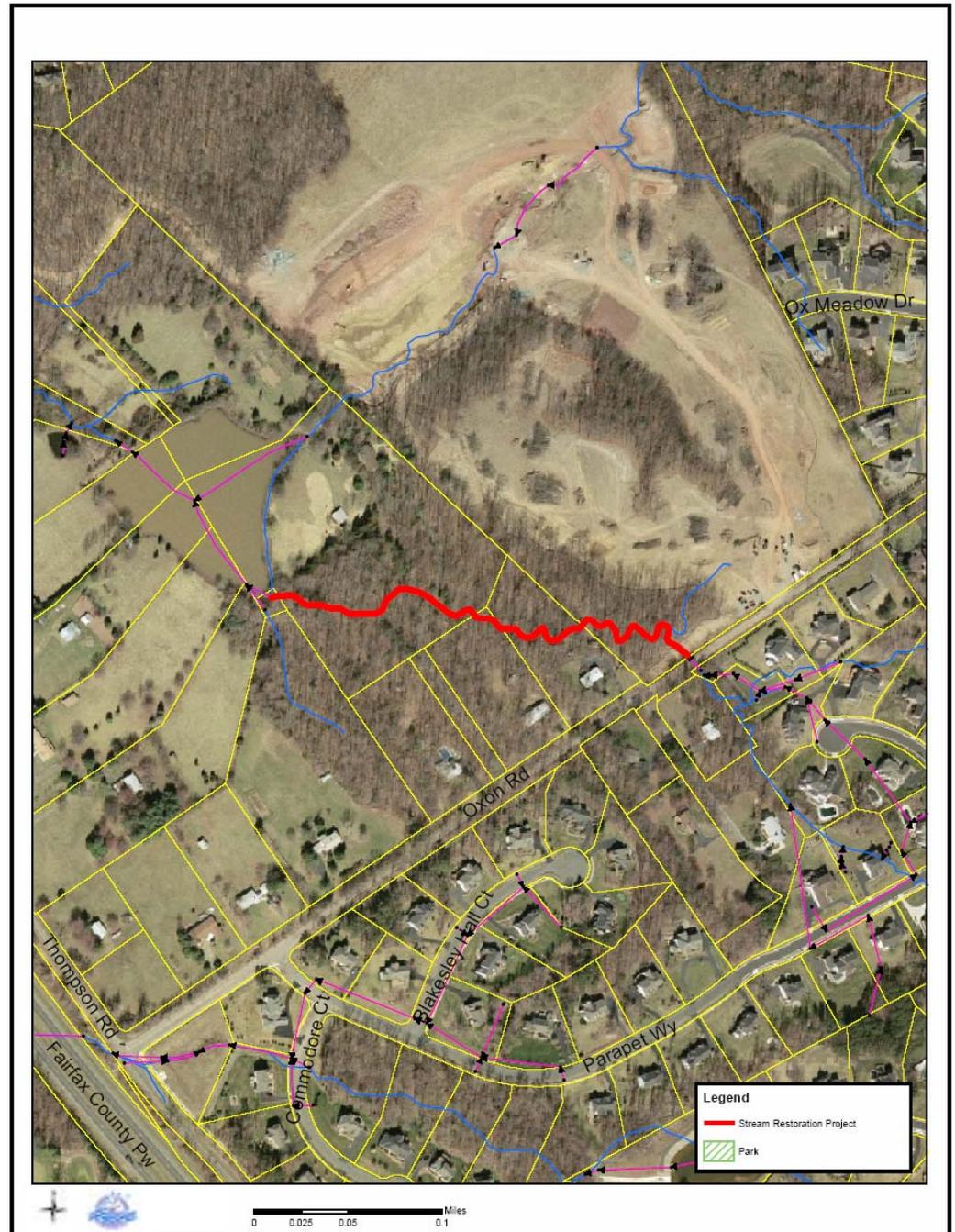
Project ID:	CU9216
Project Type:	Stream Restoration
Location:	Flatlick Branch Tributary – Franklin Glenn Tax Map – 34-3 Subdivisions – Foxfield, Franklin Glen
Description:	Small tributary with erosion inventory lines with impact score of 5 and bank stability scores of 3 and 4. SCI = 2.4 and deficient buffers throughout reach. Located on private property (HOA). Total project length is 1,690 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	1,690	Feet	\$241.57	\$408,250
Base Construction Cost				\$408,250
Mobilization (5%)				\$20,413
Subtotal 1				\$428,663
Contingency (25%)				\$107,166
Subtotal 2				\$535,828
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$241,123
Total				\$776,951
Estimated Project Cost				\$777,000



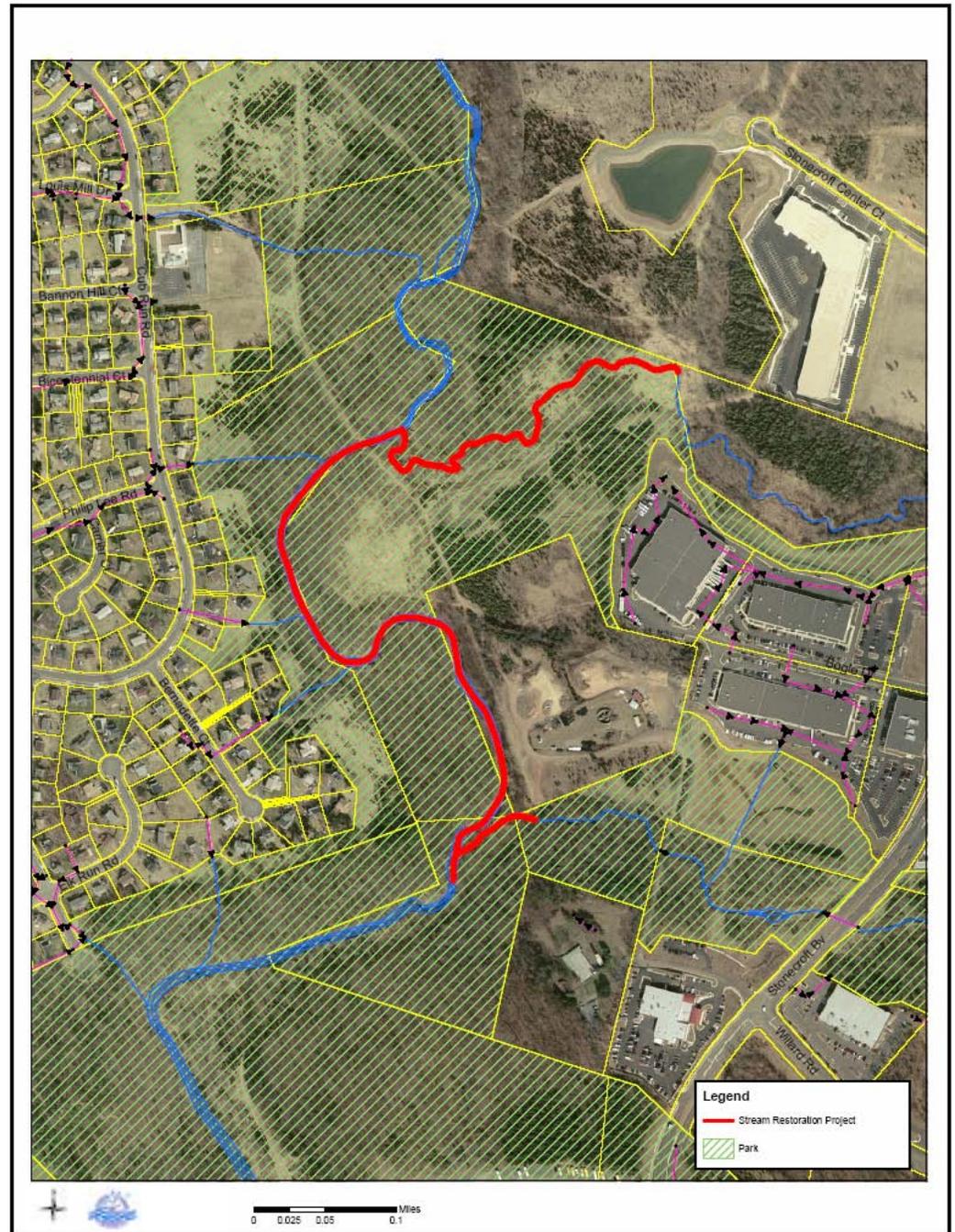
Project ID:	CU9217
Project Type:	Stream Restoration
Location:	Flatlick Branch Tributary – Downstream from Oxon Road to existing lake Tax Map – 35-4 Subdivision – Dawi Development Corporation, Navy Park, Oak Hill Reserve
Description:	Stream bank stability of 3 and 2 with stream buffer impacts. SCI = 2.2. Located on private property. Total project length is 1,500 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	1,500	Feet	\$250.00	\$375,000
Base Construction Cost				\$375,000
Mobilization (5%)				\$18,750
Subtotal 1				\$393,750
Contingency (25%)				\$98,438
Subtotal 2				\$492,188
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$221,484
Total				\$713,672
Estimated Project Cost				\$714,000



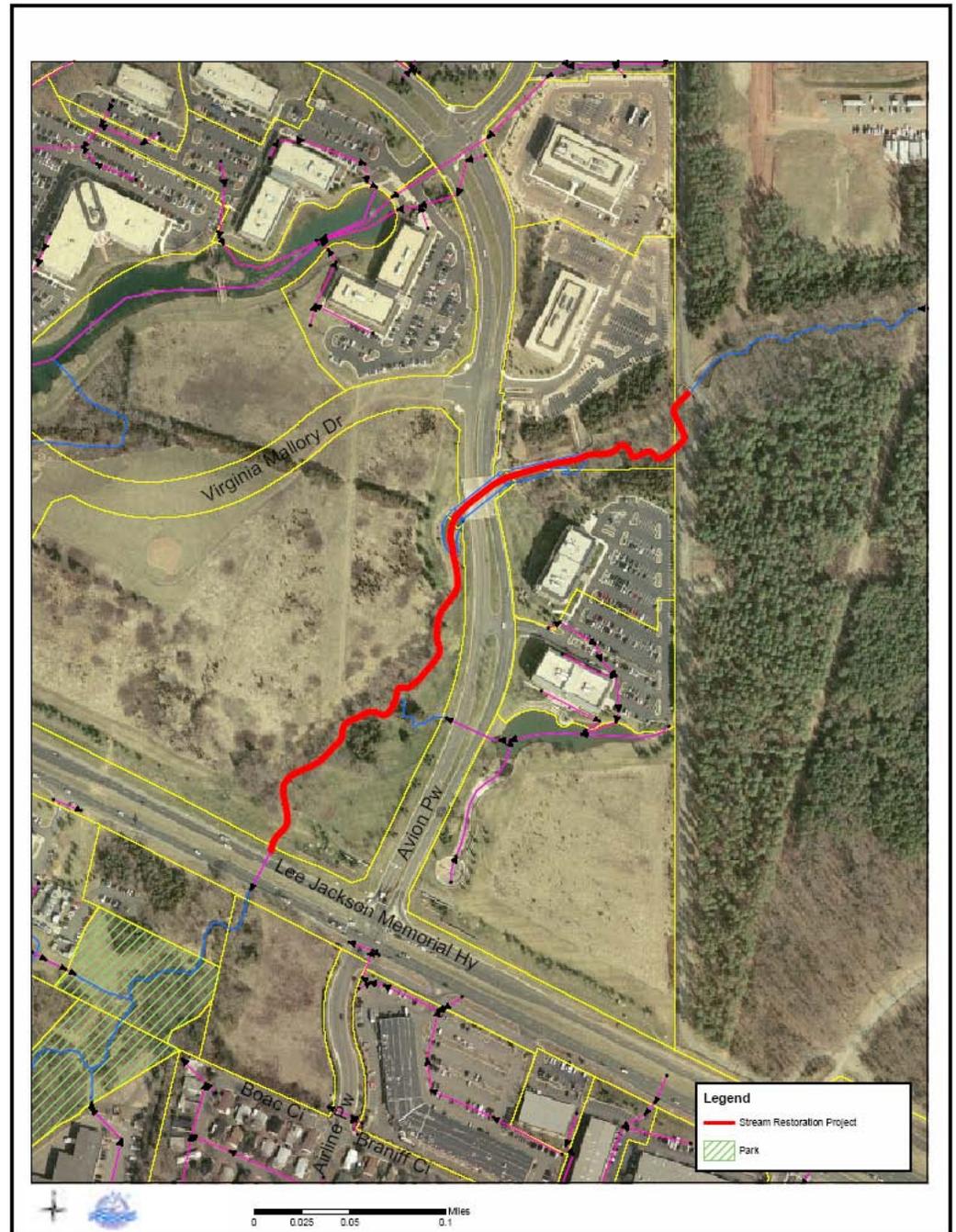
Project ID:	CU9218
Project Type:	Stream Restoration
Location:	Cub Run, Schneider Branch, and Cain Branch Tax Map – 33-4 Subdivision – Near Pleasant Valley
Description:	Stream has numerous erosion inventory lines with high impact. Located within Cub Run Stream Valley Park. Total project length is 4,660 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	4,660	Feet	\$189.63	\$883,691
Base Construction Cost				\$883,691
Mobilization (5%)				\$44,185
Subtotal 1				\$927,876
Contingency (25%)				\$231,969
Subtotal 2				\$1,159,844
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$521,930
Total				\$1,681,774
Estimated Project Cost				\$1,682,000



Project ID:	CU9219
Project Type:	Stream Restoration
Location:	Cain Branch – Upstream from Route 50, Upstream and downstream from Avion Parkway. Tax Map – 34-1, 34-3 Avion
Description:	Reach includes stream erosion inventory lines, and deficient buffers throughout the project. Located on private property. SCI = 2.9. Total project length is 2,080 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	2,080	Feet	\$245.60	\$510,840
Base Construction Cost				\$510,840
Mobilization (5%)				\$25,542
Subtotal 1				\$536,382
Contingency (25%)				\$134,096
Subtotal 2				\$670,478
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$301,715
Total				\$972,192
Estimated Project Cost				\$973,000



Project ID:	CU9220
Project Type:	Stream Restoration
Location:	Cain Branch – Upstream from Route 28 and downstream from Centreville Road Tax Map – 34-2
Description:	Erosion inventory line with impact score of 4 and deficient buffer. Located within Sully Park. Total project length is 1,320 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	1,320	Feet	\$275.76	\$364,000
Base Construction Cost				\$364,000
Mobilization (5%)				\$18,200
Subtotal 1				\$382,200
Contingency (25%)				\$95,550
Subtotal 2				\$477,750
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$214,988
Total				\$692,738
Estimated Project Cost				\$693,000



Project ID:	CU9221
Project Type:	Stream Restoration
Location:	Dead Run Tributary – Upstream from Stonecroft Boulevard Tax Map – 34-1 Subdivision – Fairwood Estates
Description:	Stream has stability rating less than 3, erosion inventory line with impact score of 5, and numerous obstructions. Located on private property near Dulles Airport. SCI = 2.6 Total project length is 2,540 linear feet, not all requires restoration.

Item	Qty	Units	Unit Cost	Total Cost
Length	2,540	Feet	\$214.91	\$545,860
Base Construction Cost				\$545,860
Mobilization (5%)				\$27,293
Subtotal 1				\$573,153
Contingency (25%)				\$143,288
Subtotal 2				\$716,441
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$322,399
Total				\$1,038,840
Estimated Project Cost				\$1,039,000

