

# Fact Sheets

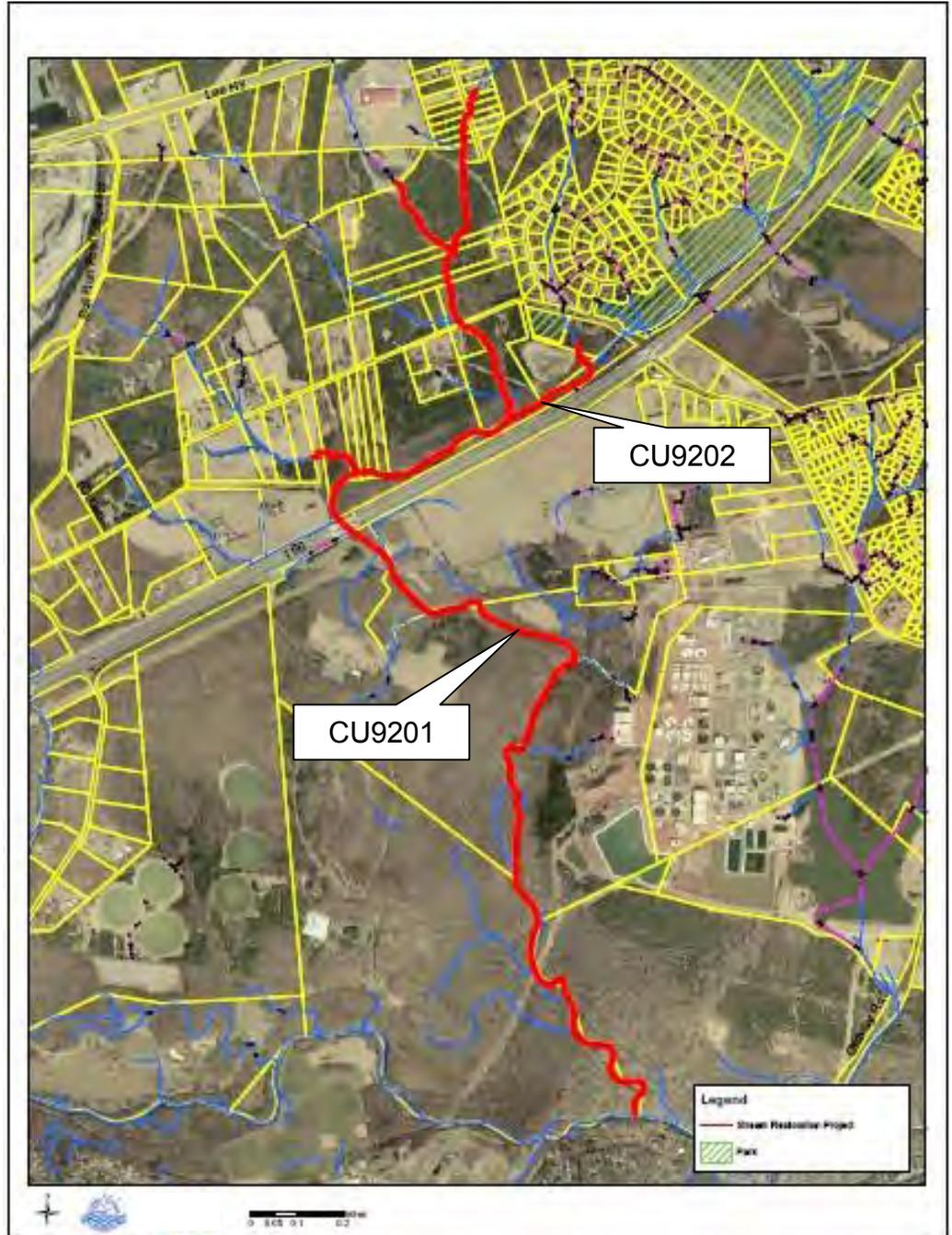
Projects CU9201 through CU9221

# **Cub Run Watershed Stream Restoration Projects**

Projects CU9201 through CU9221.

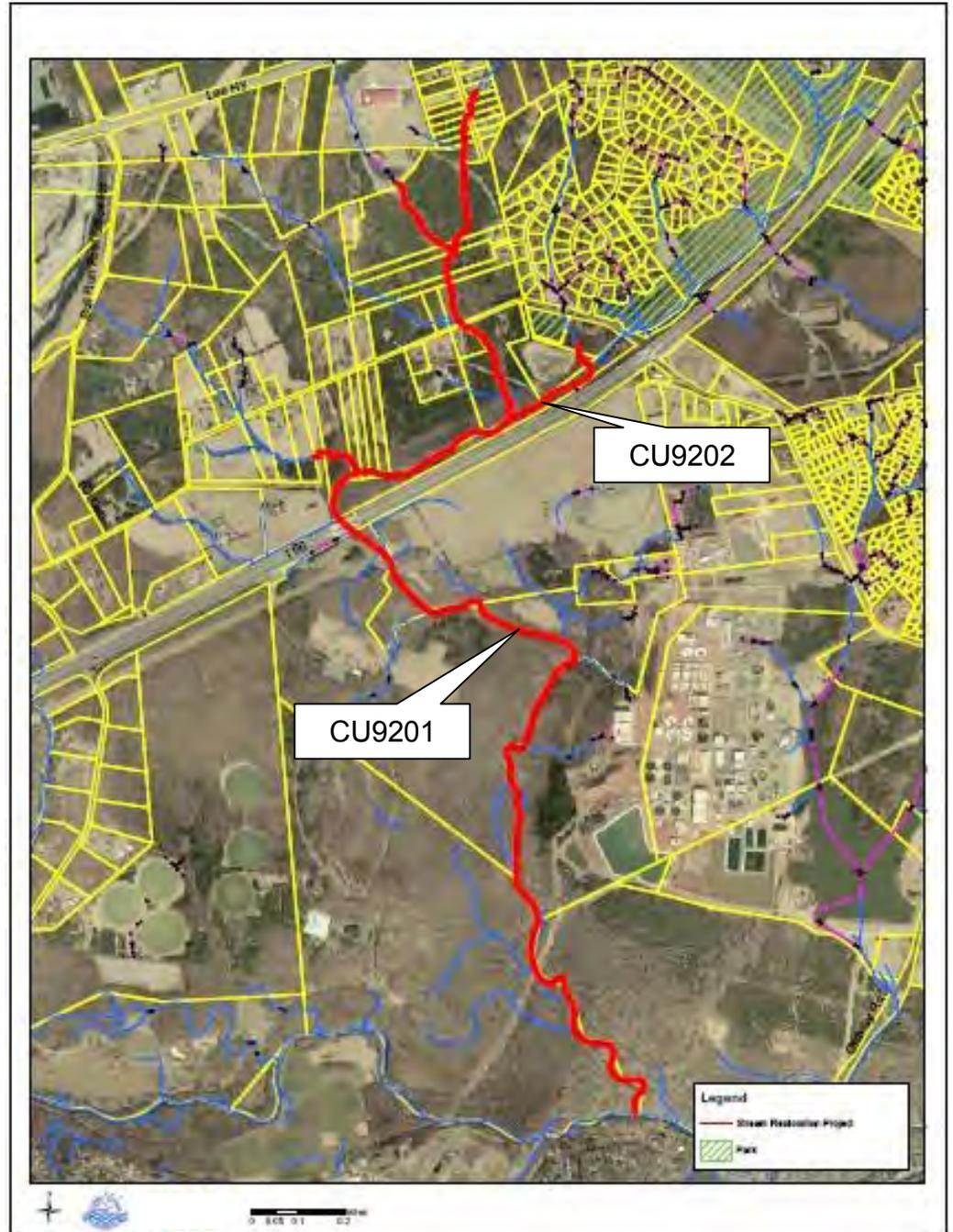
Project ID:	CU9201
Project Type:	Stream Restoration
Location:	Lower Cub Run – Within Bull Run Regional Park south of Route 66 Tax Maps – 64-4 and 73-2
Description:	Stream erosion inventory lines with impact scores up to 7. Significant reaches have bank stability scores of 3 or less and stream buffer 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
<b>Estimated Project Cost</b>				<b>\$3,570,000</b>



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
<b>Estimated Project Cost</b>				<b>\$2,884,000</b>



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
<b>Estimated Project Cost</b>				<b>\$831,000</b>



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
<b>Estimated Project Cost</b>				<b>\$1,302,000</b>



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
<b>Estimated Project Cost</b>				<b>\$720,000</b>



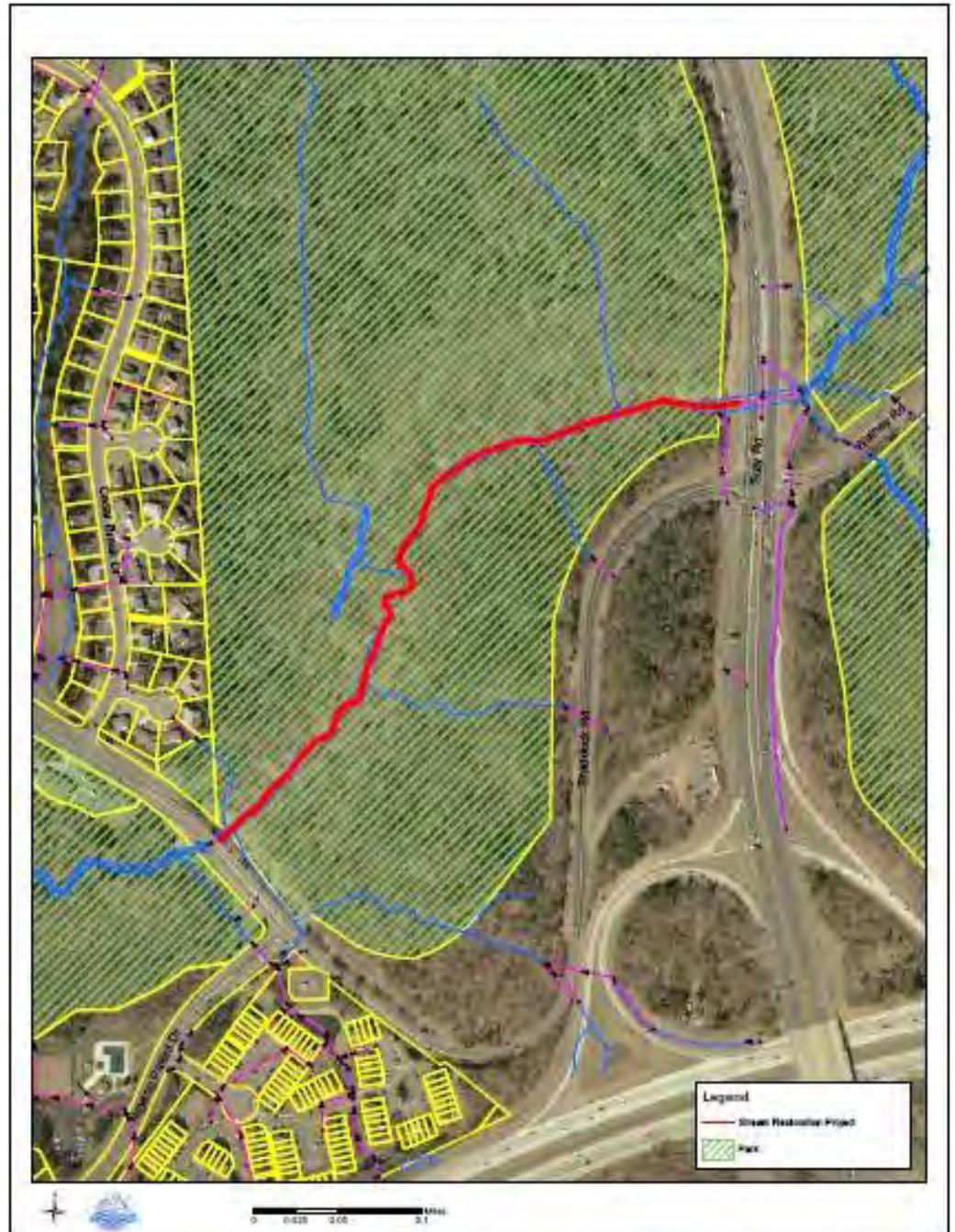
Project ID:	CU9206
Project Type:	Stream Restoration
Location:	Big Rocky Run tributary – Below Braddock Road Tax Map – 54-1 Subdivisions - Newgate
Description:	Small stream with bank stability scores of 3 and minor buffer impacts. Area includes a dump that will be addressed. Located mostly within stream 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
<b>Estimated Project Cost</b>				<b>\$472,000</b>



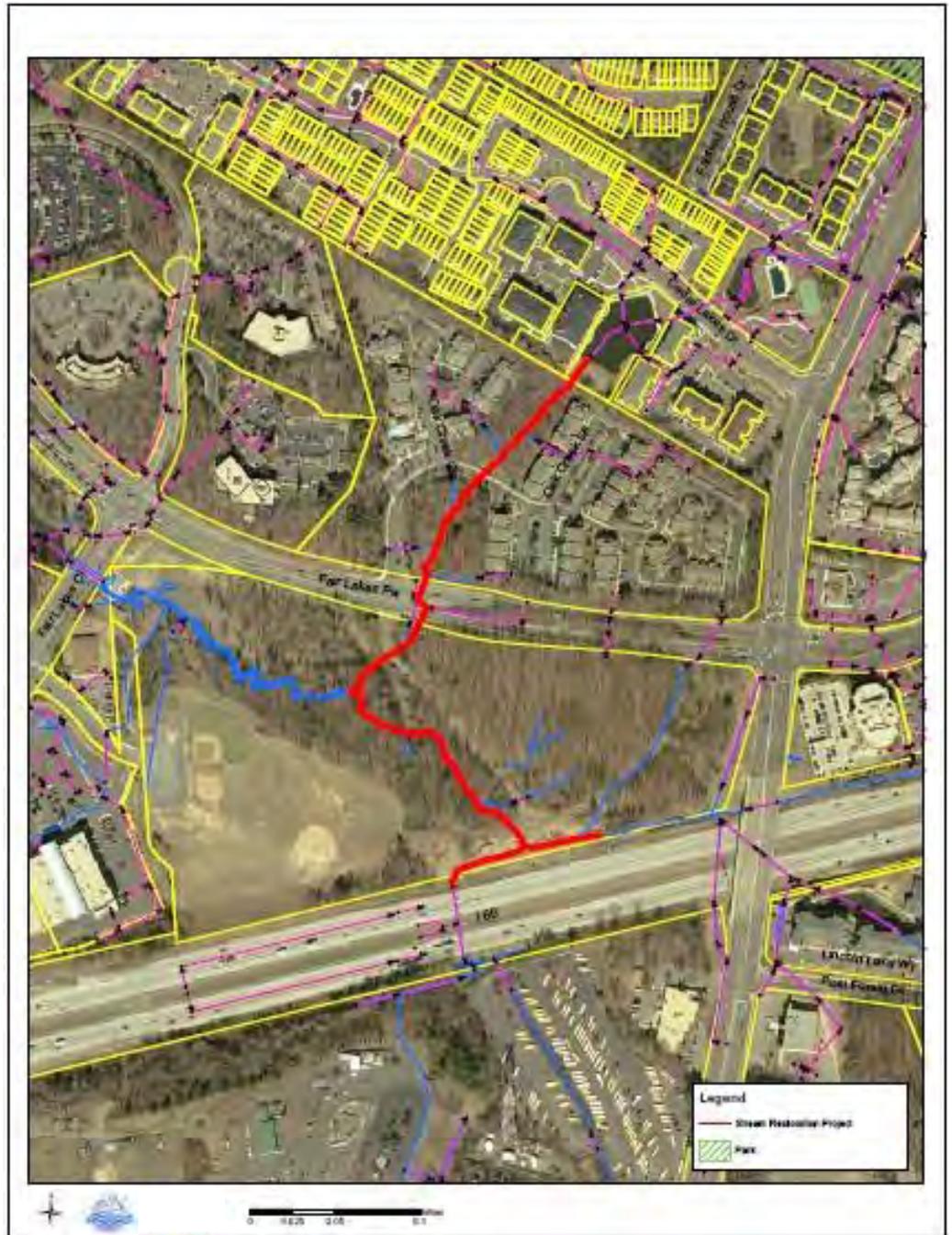
Project ID:	CU9207
Project Type:	Stream Restoration
Location:	Big Rocky Run – Between Route 28 and Braddock Road. Within Ellanor C. Lawrence Park Tax Maps 54-1 and 54-2
Description:	Stream bank stability scores of 3 and 4 throughout. Located within FCPA stream valley parkland. Total project length is 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
<b>Estimated Project Cost</b>				<b>\$1,101,000</b>



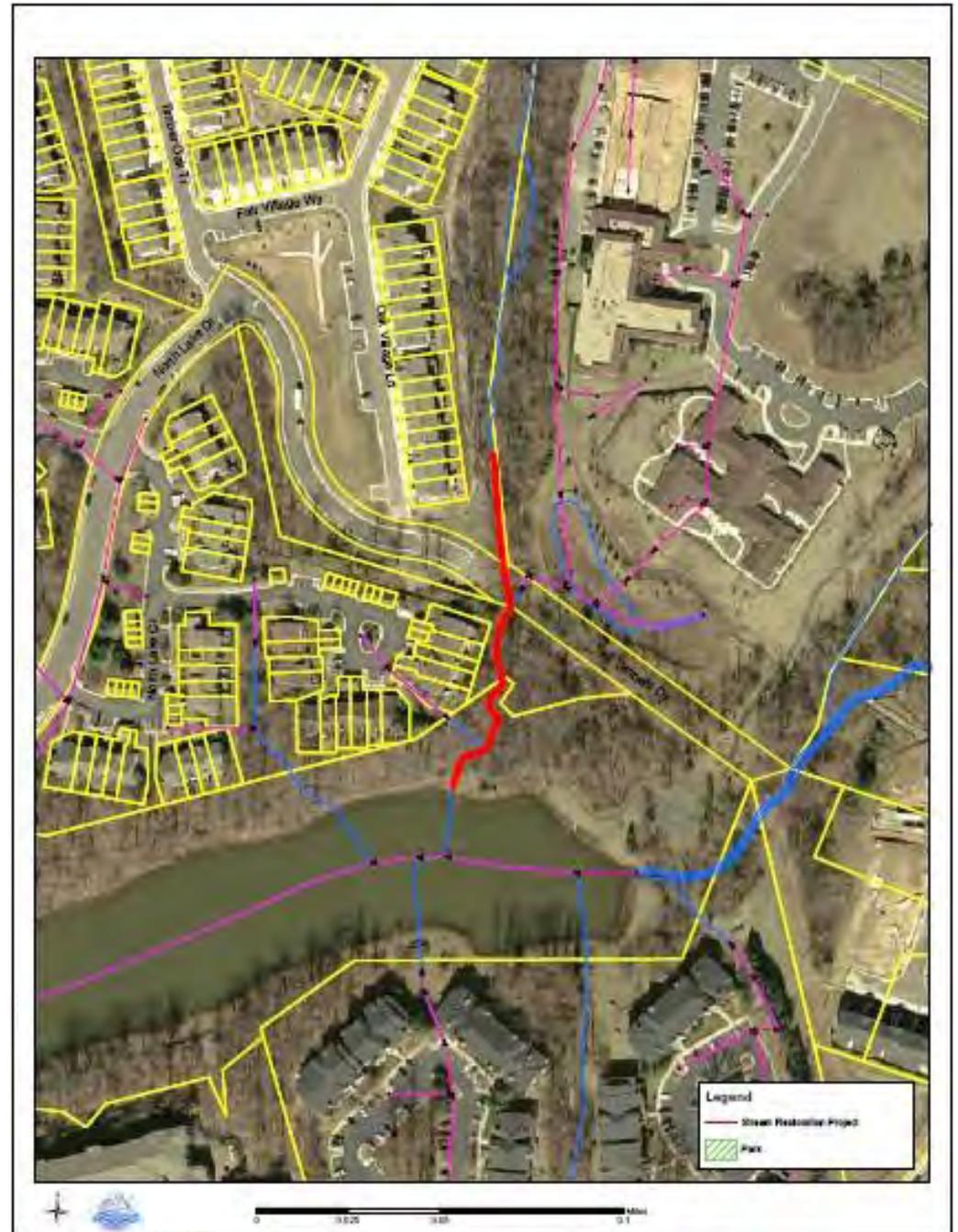
Project ID:	CU9208
Project Type:	Stream Restoration
Location:	Big Rocky Run Tributary – Fair Lakes Tax Map – 46-3. 55-2, 56-1 Subdivisions - Fair Lakes Section 6E
Description:	Stream bank stability of 3 and 4, some stream erosion inventory lines and one head cut. Located partly in stream valley park 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
<b>Estimated Project Cost</b>				<b>\$1,085,000</b>



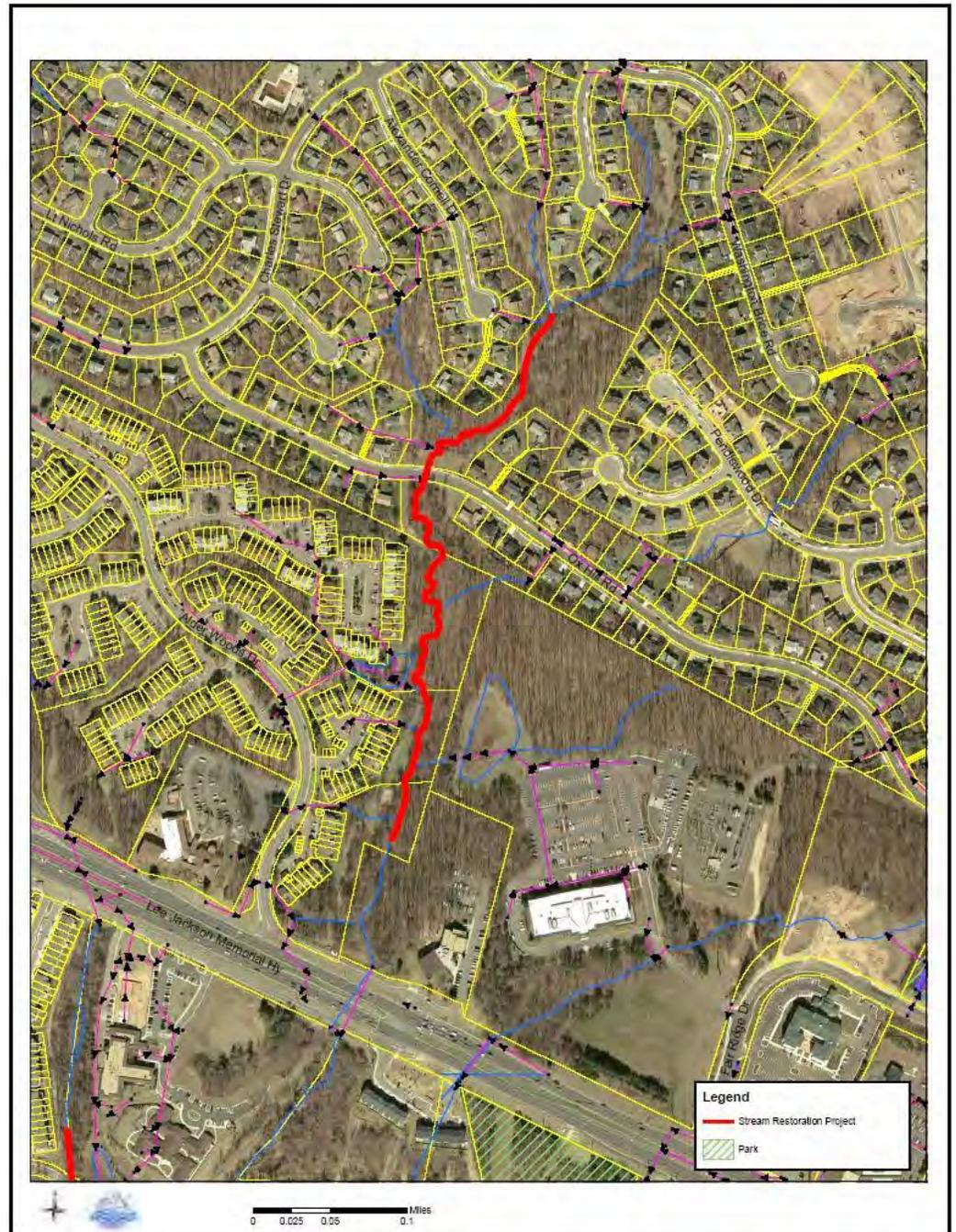
Project ID:	CU9209
Project Type:	Stream Restoration
Location:	Big Rocky Run Tributary – Oaks Chase near Timber Oak Trail. Tax Map 45-4 Subdivision – Fair Lakes Section 1A
Description:	Stream bank stability scores of 3 and deficient buffers. Located within private property. Total project length is 530 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
<b>Estimated Project Cost</b>				<b>\$391,000</b>



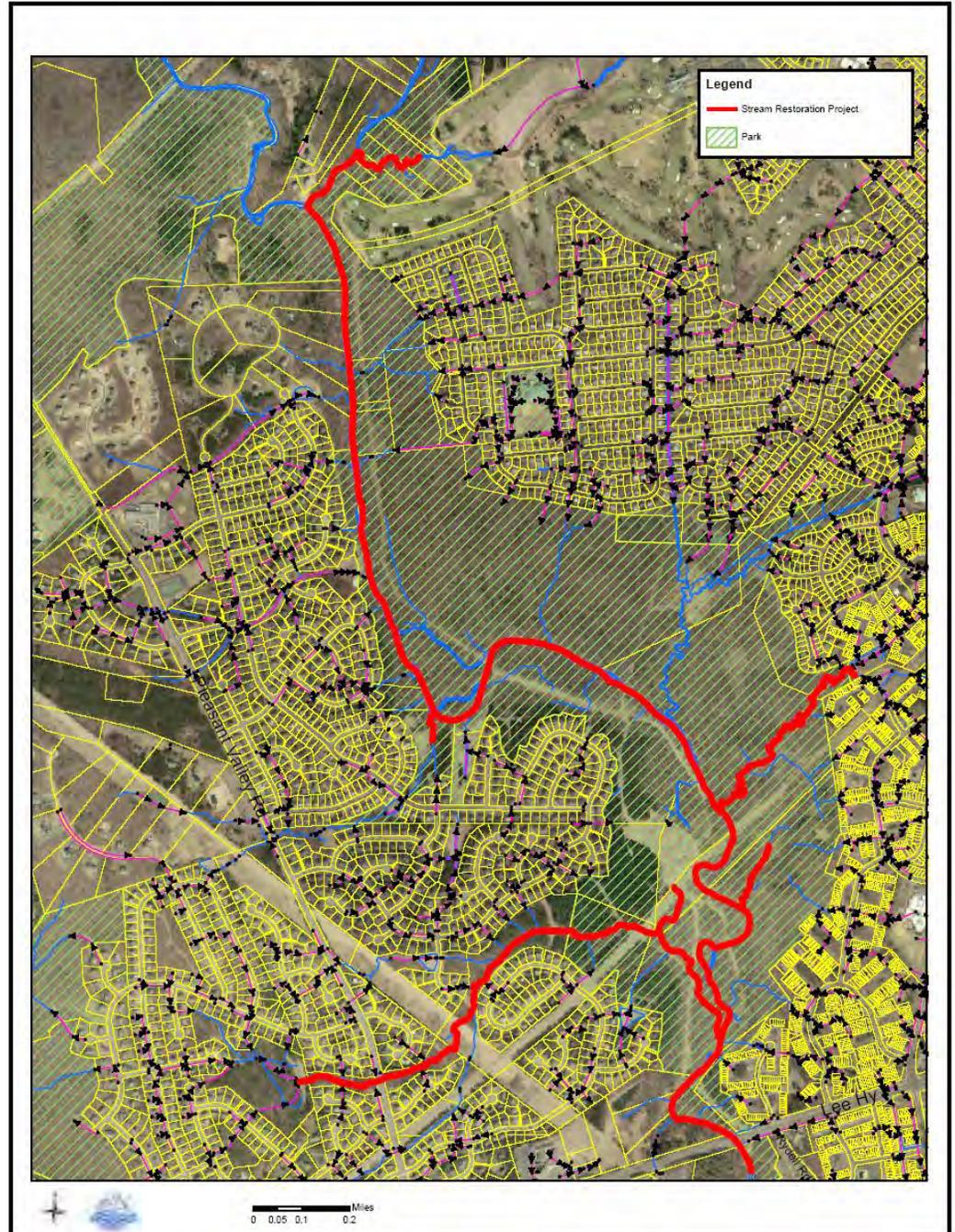
Project ID:	CU9210
Project Type:	Stream Restoration
Location:	Big Rocky Run – Upstream and downstream from Ox Hill Road, Upstream from Route 50. Tax Map – 45-2, 45-4, 46-1 Subdivisions - Fair Oaks Estates, Fair Woods
Description:	Stream bank stability of 2 and deficient buffers. Located within private 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
<b>Estimated Project Cost</b>				<b>\$964,000</b>



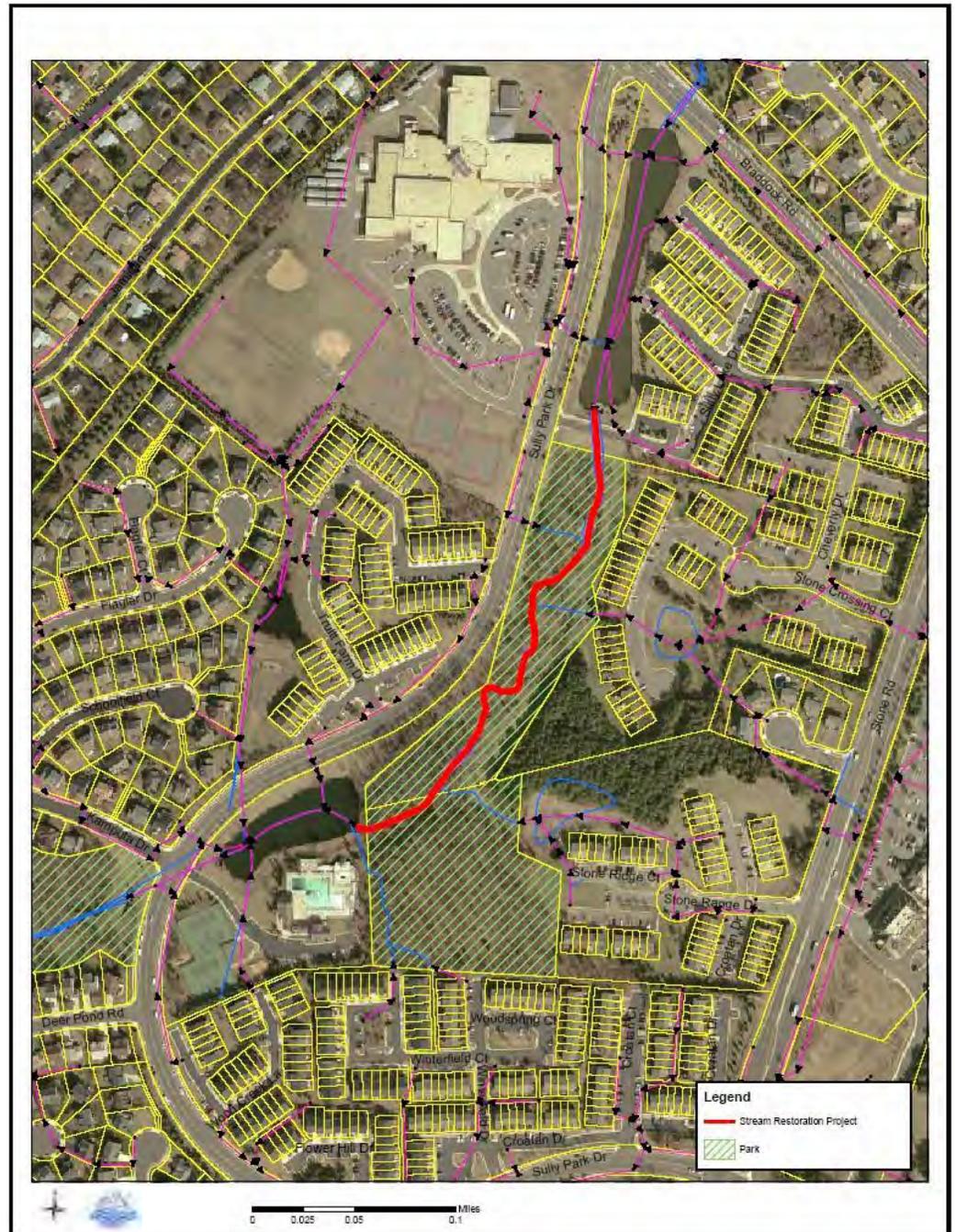
Project ID:	CU9211
Project Type	Stream Restoration
Location:	Middle Cub Run main stem and selected tributaries – From Flatlick Branch to just below Route 29. Tax Maps - 43-3, 43-4, 53-1, 53-2, 53-3, 53-4, 64-2 Subdivisions – Country Club Manor, Pleasant Hill, Sully Estates, Sully Station, Sully Station 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
<b>Estimated Project Cost</b>				<b>\$10,346,000</b>



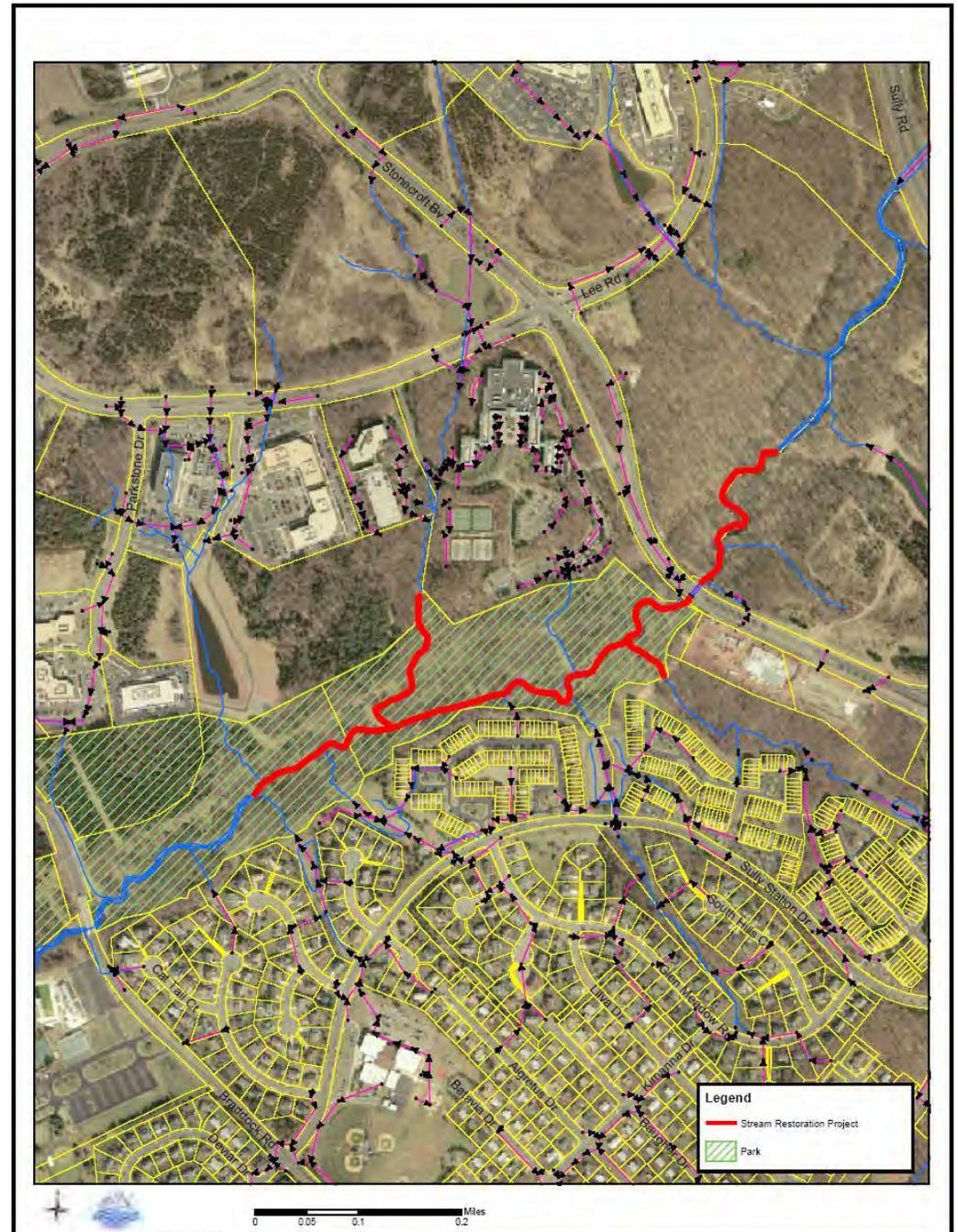
Project ID:	CU9212
Project Type:	Stream Restoration
Location:	Round Lick Branch – Upstream from Sully Park Drive Tax Map – 54-1 Subdivisions – Stone Crossing, Stonehenge, Sully Station
Description:	Stream bank stability scores of 3 and 4 with some deficient stream buffers. Located within stream valley 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
<b>Estimated Project Cost</b>				<b>\$735,000</b>



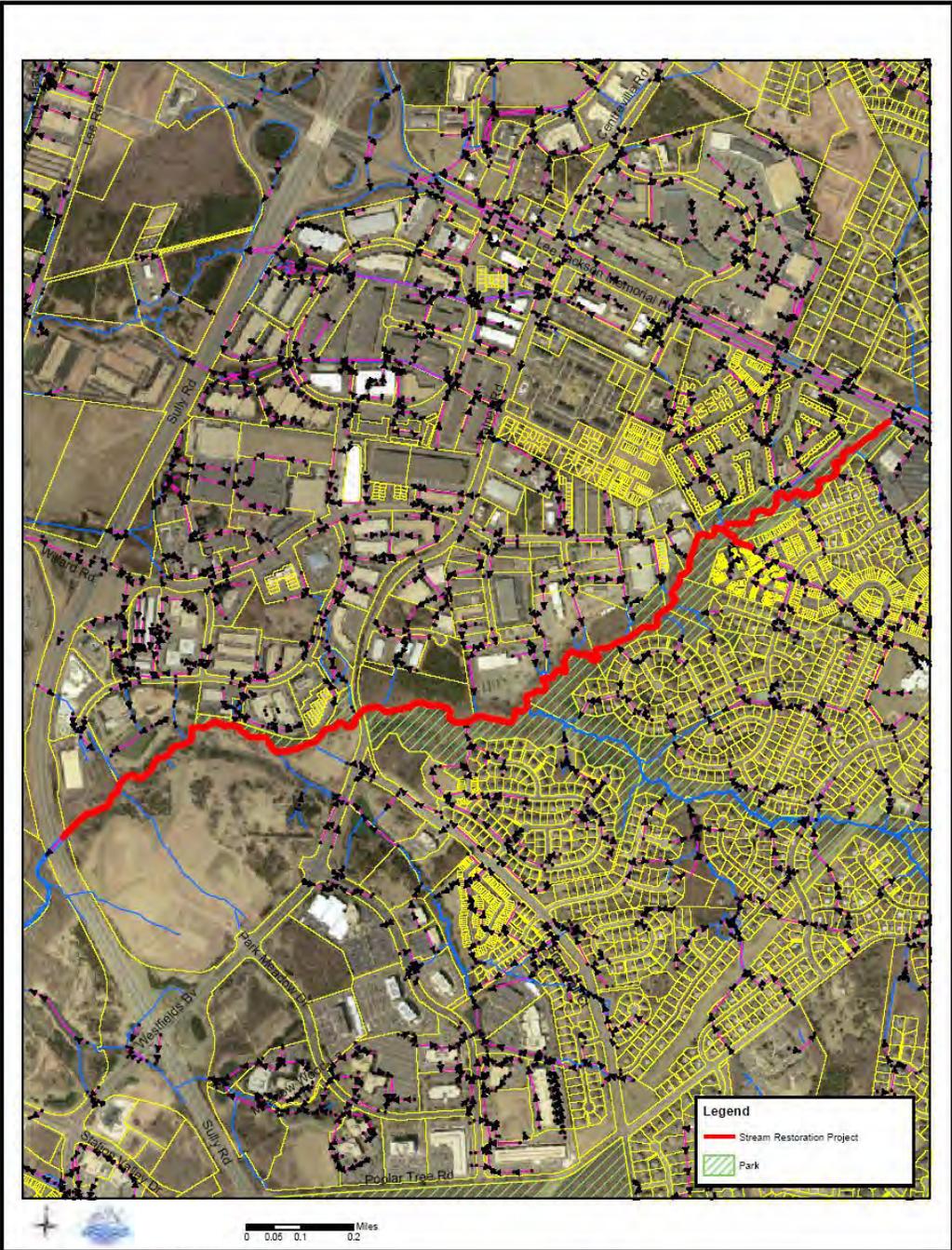
Project ID:	CU9213
Project Type:	Stream Restoration
Location:	Flatlick Branch – Upstream and downstream from Stonecroft Boulevard Tax Map – 43-4 and 44-3 Subdivisions - Sully Station, Westfields International Center at Dulles
Description:	Various erosion and obstruction inventory points and low stream 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
<b>Estimated Project Cost</b>				<b>\$2,004,000</b>



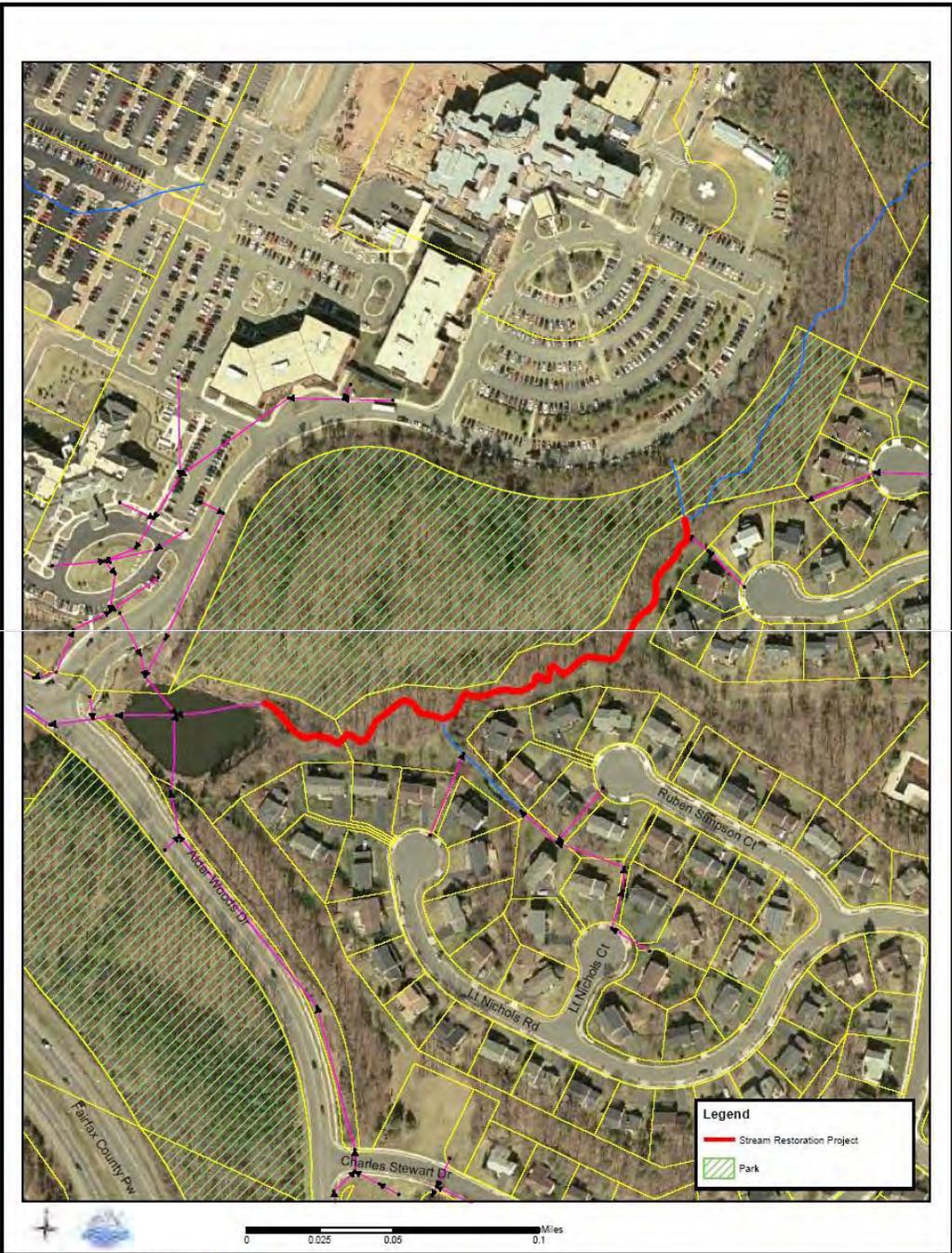
Project ID:	CU9214
Project Type:	Stream Restoration
Location:	Flatlick Branch – Between Route 50 and Route 28 Tax Map – 34-4, 44-1, 44-2 Subdivisions – Brookfield Corporate Center, Brookleigh, Chantilly Industrial Park, Marky Business Center, Walney Road, Waverly Crossing, Willard Industrial Park.
Description:	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
<b>Estimated Project Cost</b>				<b>\$3,773,000</b>



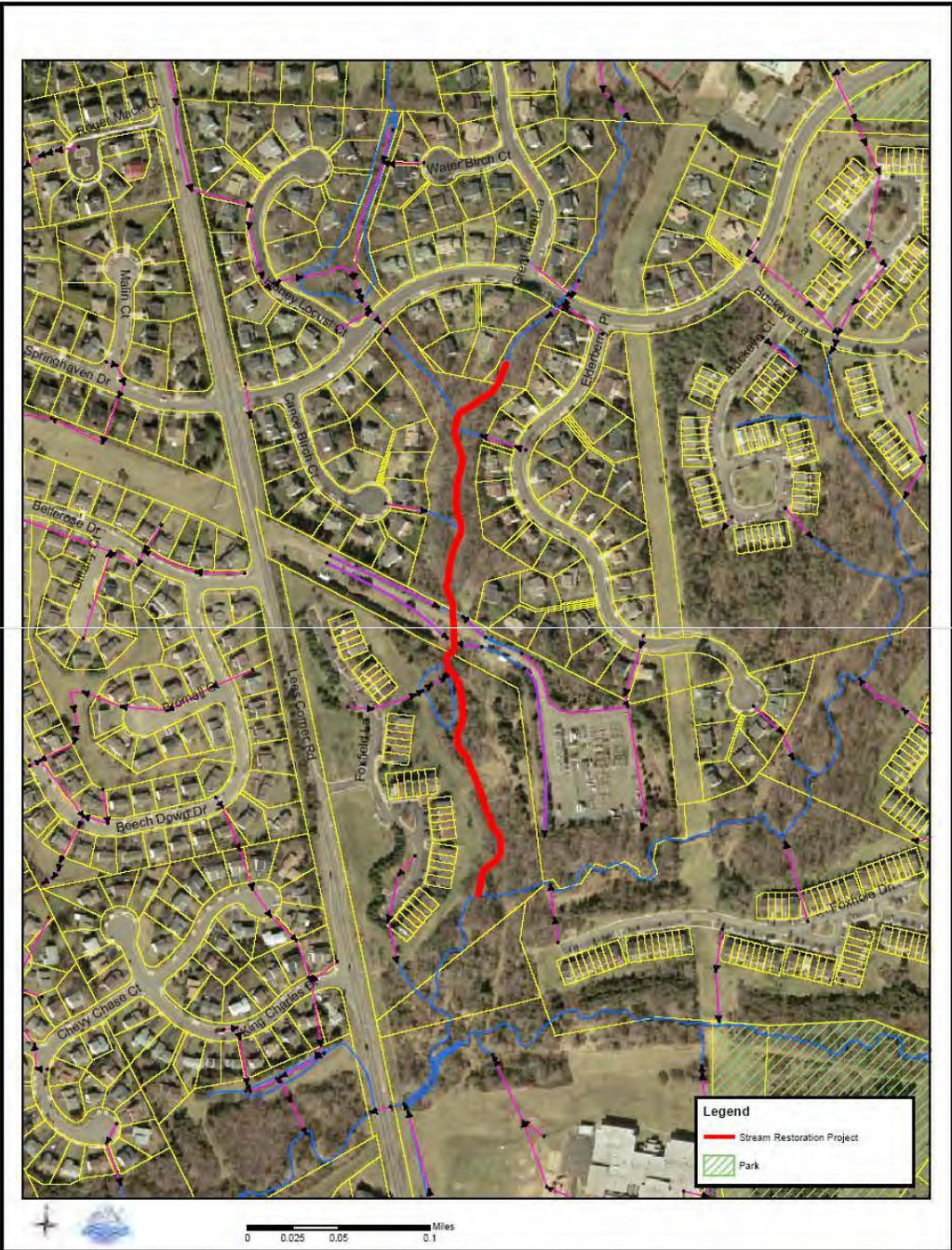
Project ID:	CU9215
Project Type:	Stream Restoration
Location:	Oxlick Branch – Upstream from Alder Woods Drive Fair Oaks Estates Tax Map – 45-2 Subdivision – Fair Oaks Estates
Description:	Bank stability scores of 3 and 2 with stream bank erosion inventory score of 4. Deficient buffer throughout reach. 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
<b>Estimated Project Cost</b>				<b>\$578,000</b>



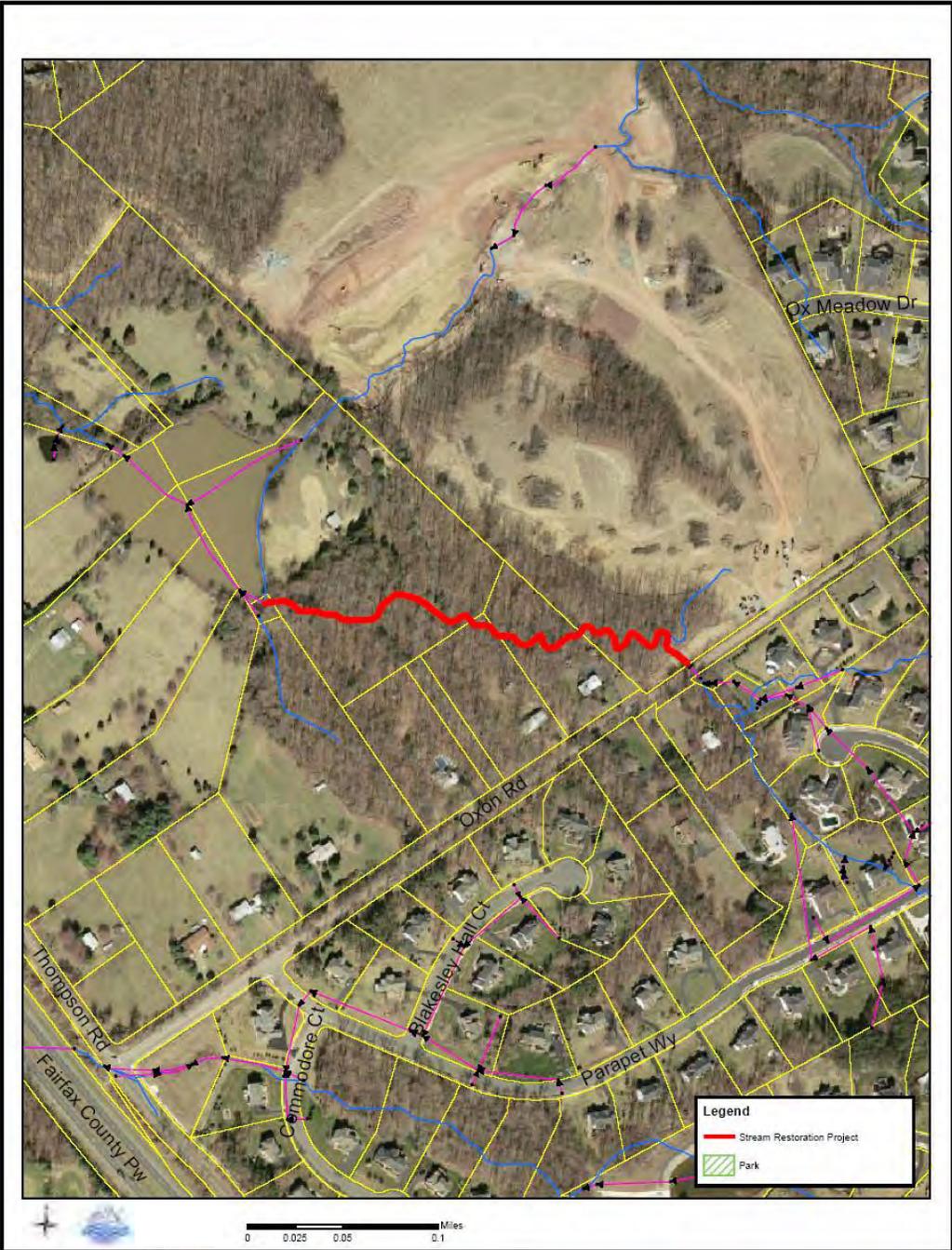
Project ID:	CU9216
Project Type:	Stream Restoration
Location:	Flatlick Branch Tributary – Franklin Glenn Tax Map – 34-3 Subdivisions – Foxfield, Franklin Glen
Description:	Small tributary with erosion inventory lines with impact score of 5 and bank stability scores of 3 and 4. SCI = 2.4 and deficient 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
<b>Estimated Project Cost</b>				<b>\$777,000</b>



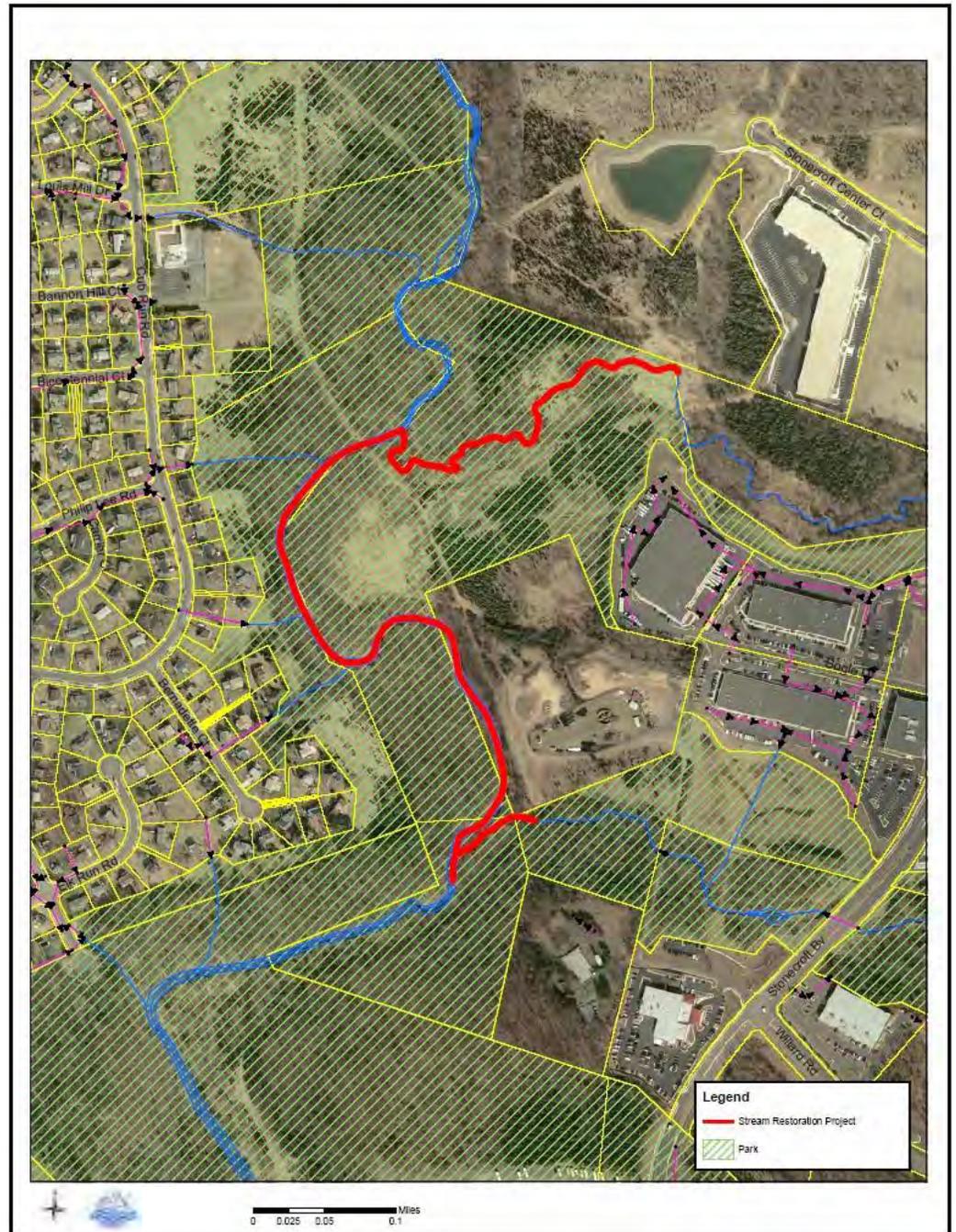
Project ID:	CU9217
Project Type:	Stream Restoration
Location:	Flatlick Branch Tributary – Downstream from Oxon Road to existing lake Tax Map – 35-4 Subdivision – Dawi Development Corporation, Navy Park, Oak Hill Reserve
Description:	Stream bank stability of 3 and 2 with stream buffer impacts. SCI = 2.2. 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
<b>Estimated Project Cost</b>				<b>\$714,000</b>



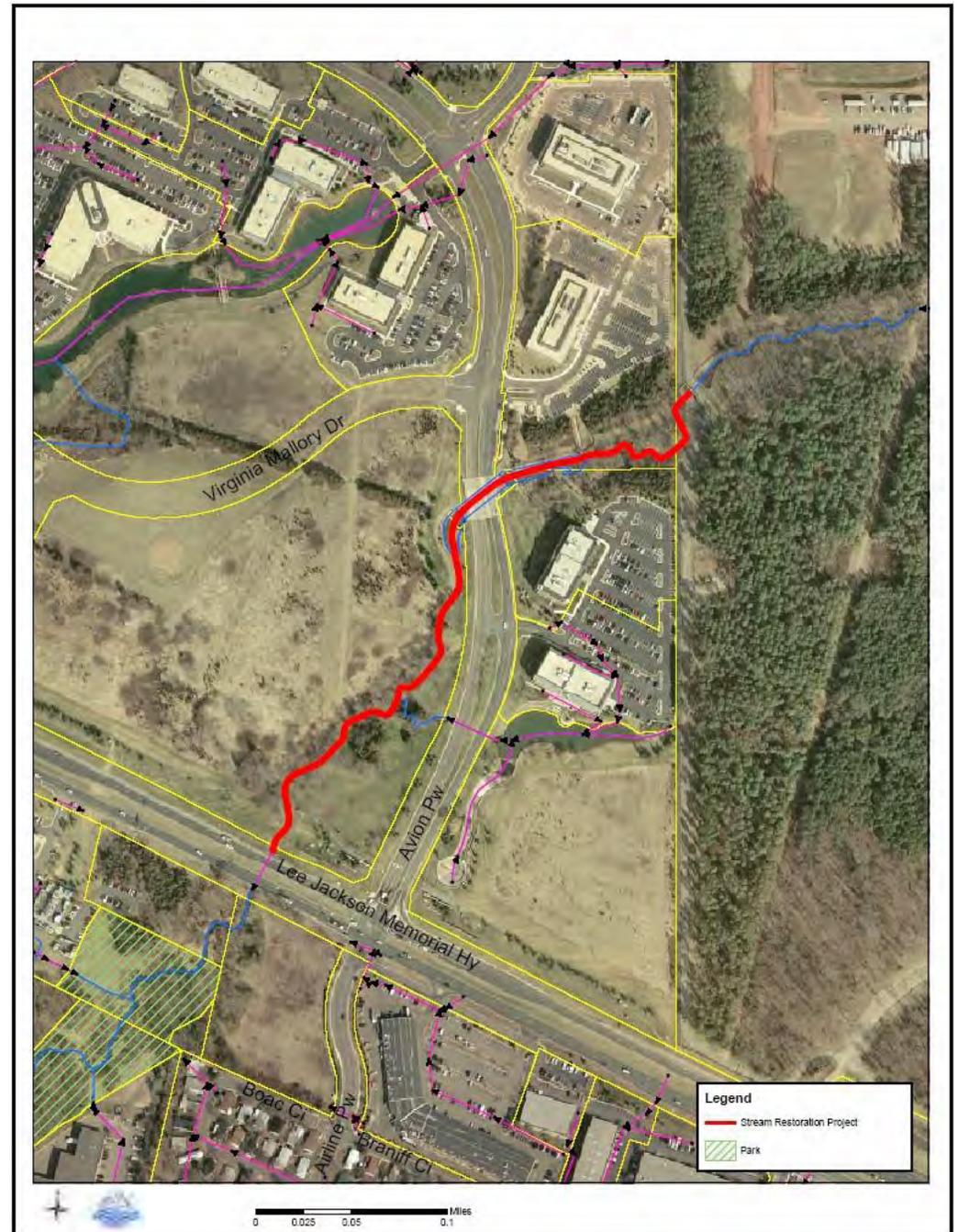
Project ID:	CU9218
Project Type:	Stream Restoration
Location:	Cub Run, Schneider Branch, and Cain Branch Tax Map – 33-4 Subdivision – Near Pleasant Valley
Description:	Stream has numerous erosion inventory lines with high impact. Located within Cub Run Stream Valley Park. Total project length is 4,660 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
<b>Estimated Project Cost</b>				<b>\$1,682,000</b>



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
<b>Estimated Project Cost</b>				<b>\$973,000</b>



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
<b>Estimated Project Cost</b>				<b>\$693,000</b>



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
<b>Estimated Project Cost</b>				<b>\$1,039,000</b>



# Fact Sheets

Projects CU9301 through CU9339

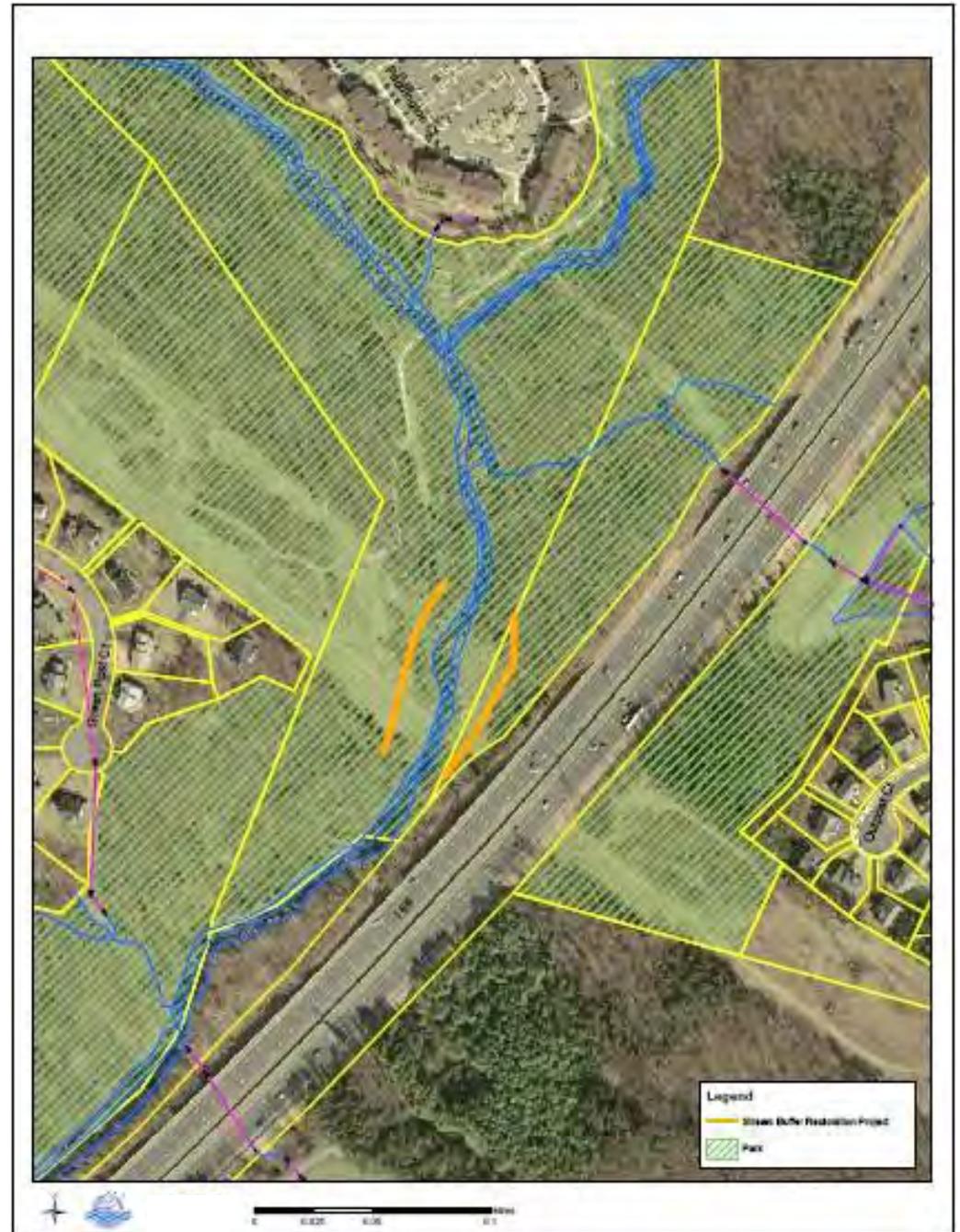
# **Cub Run Watershed Buffer Restoration Projects**

Projects CU9301 through CU9339.

Project ID:	CU9301
Project Type:	Buffer Restoration
Location:	FCPA parkland in Cub Run Stream Valley Park downstream from Big Rocky Run Tax Map – 64-2, 65-1 Subdivision – Center Ridge and near Gate Post Estates
Description:	Impacted by power line mowing and clearing and Route 66 embankment.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Buffer Restoration	820	Feet	\$12.50	\$10,250
Base Construction Cost				\$10,250
Mobilization (5%)				\$513
Subtotal 1				\$10,763
Contingency (25%)				\$2,691
Subtotal 2				\$13,453
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$6,054
Total				\$19,507
<b>Estimated Project Cost</b>				<b>\$20,000</b>

\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9302
Project Type:	Buffer Restoration
Location:	Tributary of Lower Cub Run. Located partially in FCPA parkland upstream from I-66 and regional pond C04 between Store House Court and Outpost Court Tax Map – 65-1 Subdivision – Center Ridge
Description:	Impacted by mowed areas, lawns and past clearing/construction.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Buffer Restoration	380	Feet	\$12.50	\$4,750
Base Construction Cost				\$4,750
Mobilization (5%)				\$238
Subtotal 1				\$4,988
Contingency (25%)				\$1,247
Subtotal 2				\$6,234
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$2,805
Total				\$9,040
<b>Estimated Project Cost</b>				<b>\$10,000</b>

\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9303
Project Type:	Buffer Restoration
Location:	Tributary to Big Rocky Run in FCPA Parkland and VDOT ROW I-66 / Route 29 Interchange, Newgate Patent Court and Havener House Way Tax Map – 54-3 Subdivision – Newgate
Description:	Impacted by mowed areas and road embankment

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Buffer Restoration	710	Feet	\$12.50	\$8,875
Base Construction Cost				\$8,875
Mobilization (5%)				\$444
Subtotal 1				\$9,319
Contingency (25%)				\$2,330
Subtotal 2				\$11,648
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$5,242
Total				\$16,890
<b>Estimated Project Cost</b>				<b>\$17,000</b>

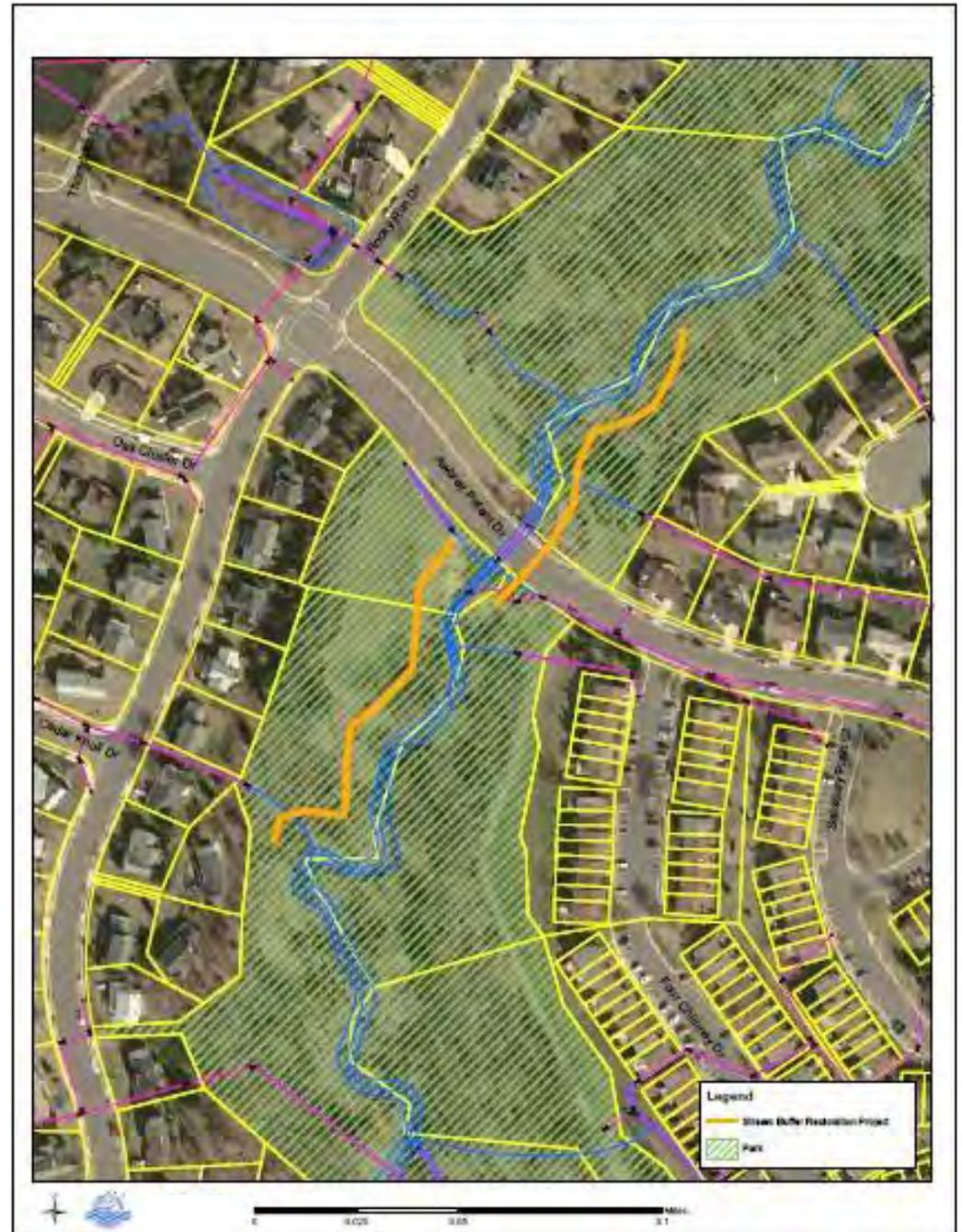
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9304
Project Type:	Buffer Restoration
Location:	FCPA Parkland in Big Rocky Run Stream Valley Park upstream and downstream from Awbrey Patent Drive Tax Map – 54-1 Subdivision – Newgate and Rocky Run
Description:	Impacted by mowed and cleared areas.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Buffer Restoration	980	Feet	\$12.50	\$12,250
Base Construction Cost				\$12,250
Mobilization (5%)				\$613
Subtotal 1				\$12,863
Contingency (25%)				\$3,216
Subtotal 2				\$16,078
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$7,235
Total				\$23,313
<b>Estimated Project Cost</b>				<b>\$24,000</b>

\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9305
Project Type:	Buffer Restoration
Location:	FCPA Parkland in Big Rocky Run Stream Valley Park downstream from Braddock Road Tax Map – 54-1 Subdivision – Newgate and Rocky Run
Description:	Impacted by mowed and cleared areas.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Buffer Restoration	700	Feet	\$12.50	\$8,750
Base Construction Cost				\$8,750
Mobilization (5%)				\$438
Subtotal 1				\$9,188
Contingency (25%)				\$2,297
Subtotal 2				\$11,484
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$5,168
Total				\$16,652
<b>Estimated Project Cost</b>				<b>\$17,000</b>

\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9306
Project Type:	Buffer Restoration
Location:	Tributary to Big Rocky Run in private property upstream from Braddock Road and crossing Cedar Break Drive Tax Map – 54-1 Subdivision – Sequoia Farms
Description:	Impacted by lawns, mowed areas and clearing.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Buffer Restoration	3,820	Feet	\$12.50	\$47,750
Base Construction Cost				\$47,750
Mobilization (5%)				\$2,388
Subtotal 1				\$50,138
Contingency (25%)				\$12,534
Subtotal 2				\$62,672
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$28,202
Total				\$90,874
<b>Estimated Project Cost</b>				<b>\$91,000</b>

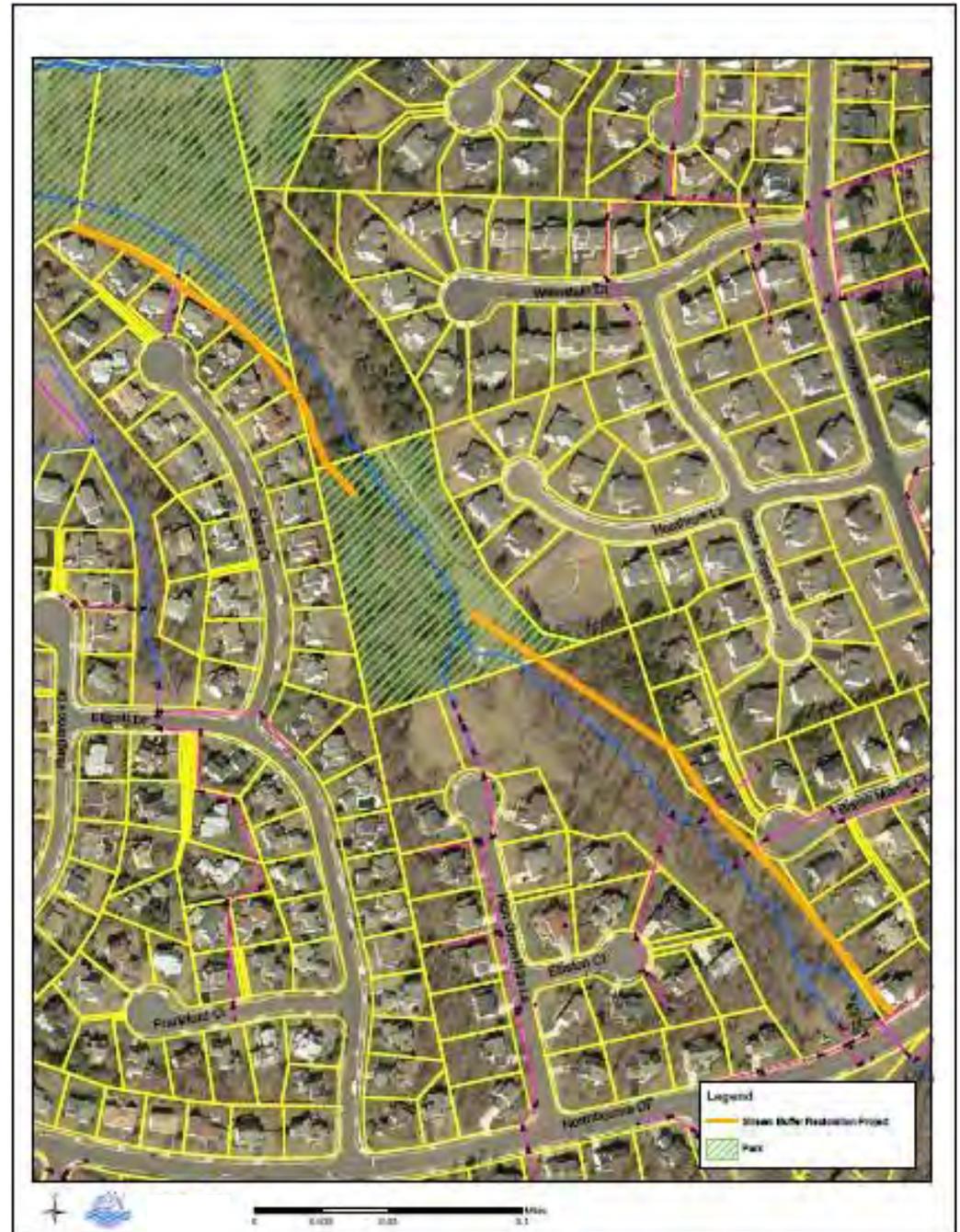
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9307
Project Type:	Buffer Restoration
Location:	Unnamed tributary to Big Rocky Run partially in FCPA Parkland off Ellicott Court and downstream from Northbourne Drive Tax Map – 54-2 Subdivision – Cabell’s Mill, Fair Lakes Chase II, Hawthorne Forest, Hidden Creek at Fair Lakes
Description:	Impacted by mowed areas, clearing and lawns.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Buffer Restoration	1,950	Feet	\$12.50	\$24,375
Base Construction Cost				\$24,375
Mobilization (5%)				\$1,219
Subtotal 1				\$25,594
Contingency (25%)				\$6,398
Subtotal 2				\$31,992
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$14,396
Total				\$46,389
<b>Estimated Project Cost</b>				<b>\$47,000</b>

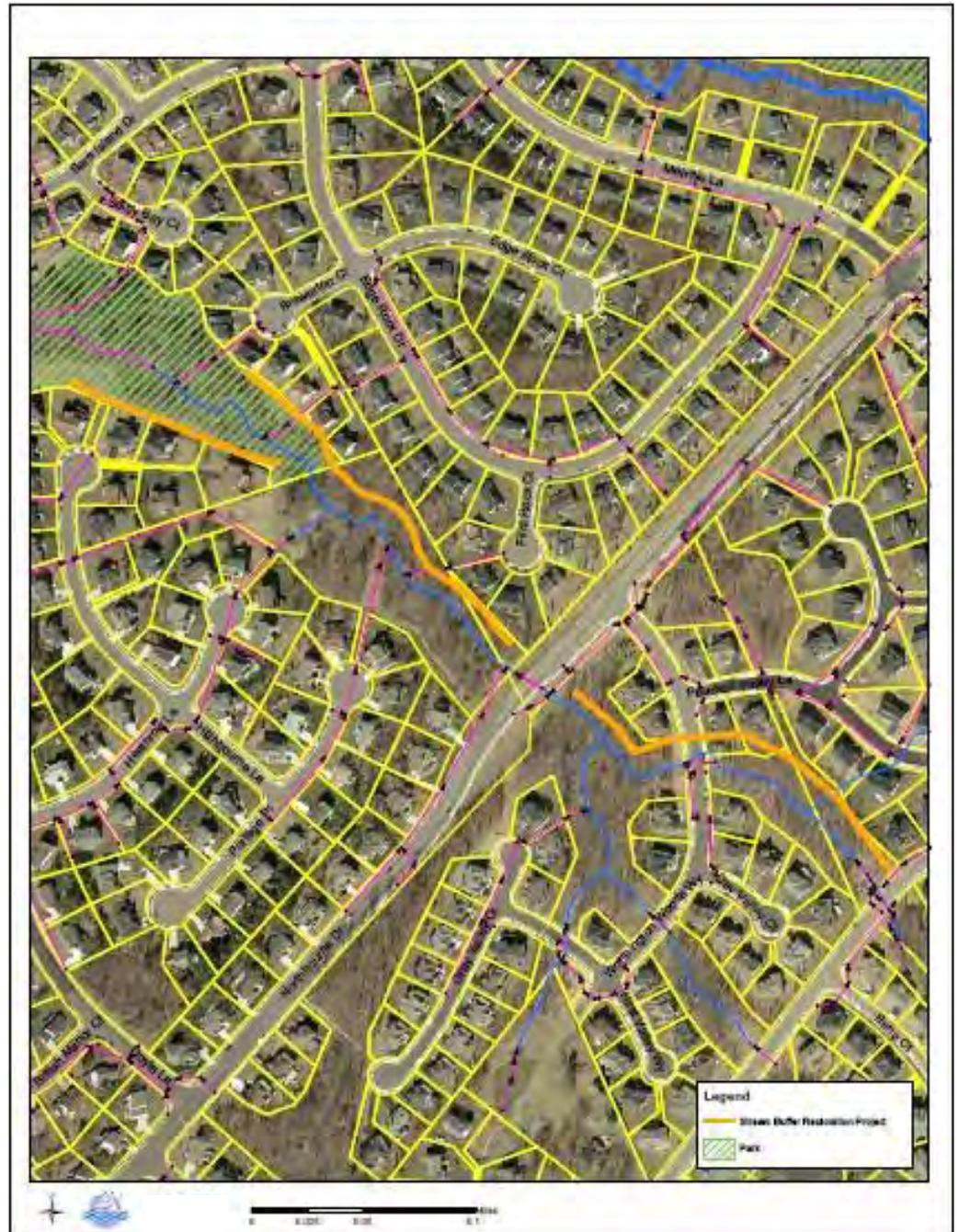
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9308
Project Type:	Buffer Restoration
Location:	Partially in FCPA Parkland downstream from Northbourne Drive – upstream from region pond C30 Tax Map – 54-2, 55-1 Subdivision – Big Rocky Forest, Devereaux Estates, Fair Lakes Chase, Hawthorne Forest, Poplar Tree Estates
Description:	Tributary to Big Rocky Run, Impacted by mowed areas and lawns.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Buffer Restoration	2,420	Feet	\$12.50	\$30,250
Base Construction Cost				\$30,250
Mobilization (5%)				\$1,513
Subtotal 1				\$31,763
Contingency (25%)				\$7,941
Subtotal 2				\$39,703
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$17,866
Total				\$57,570
<b>Estimated Project Cost</b>				<b>\$58,000</b>

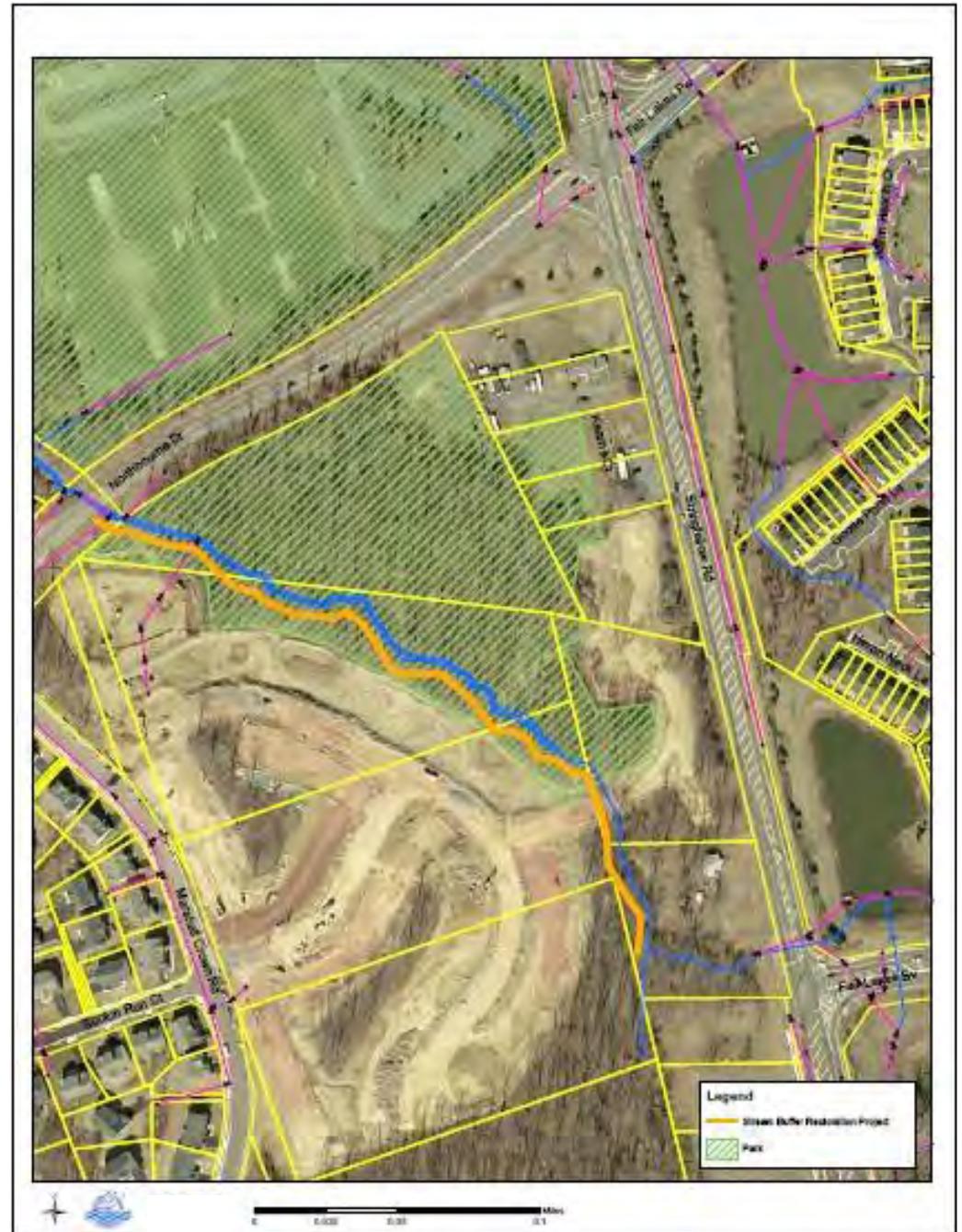
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9309
Project Type:	Buffer Restoration
Location:	Unnamed tributary to Big Rocky Run in FCPA Parkland between Northbourne Drive and Stringfellow Road Tax Map - 55-1 Subdivision – Fair Lakes Crossing, Poplar Tree Estates
Description:	Impacted by mowed areas and new construction.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Buffer Restoration	1,460	Feet	\$12.50	\$18,250
Base Construction Cost				\$18,250
Mobilization (5%)				\$913
Subtotal 1				\$19,163
Contingency (25%)				\$4,791
Subtotal 2				\$23,953
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$10,779
Total				\$34,732
<b>Estimated Project Cost</b>				<b>\$35,000</b>

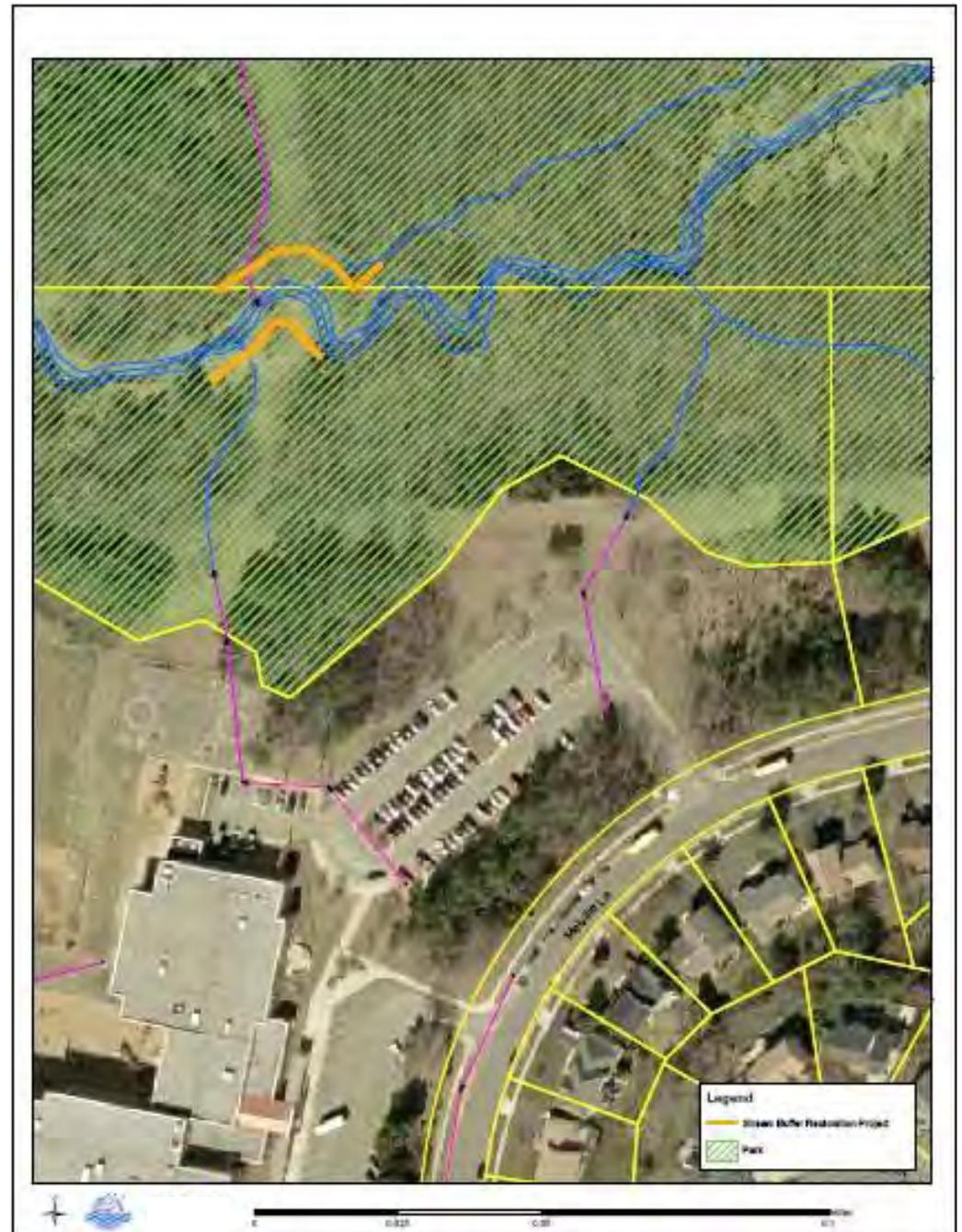
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9310
Project Type:	Buffer Restoration
Location:	FCPA parkland in Rocky Run Stream Valley Park downstream from Stringfellow Road Tax Map – 45-3 Subdivision – Poplar Tree Estates
Description:	Impacted by utility right of way clearing and mowing

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Buffer Restoration	330	Feet	\$12.50	\$4,125
Base Construction Cost				\$4,125
Mobilization (5%)				\$206
Subtotal 1				\$4,331
Contingency (25%)				\$1,083
Subtotal 2				\$5,414
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$2,436
Total				\$7,850
<b>Estimated Project Cost</b>				<b>\$8,000</b>

\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9311
Project Type:	Buffer Restoration
Location:	Unnamed tributary to Big Rocky Run in FCPA parkland in Rocky Run Stream Valley Park Downstream from Point Pleasant Drive Tax Map 45-3 Subdivision – Poplar Tree Estates
Description:	Impacted by lawns and clearing.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Buffer Restoration	270	Feet	\$12.50	\$3,375
Base Construction Cost				\$3,375
Mobilization (5%)				\$169
Subtotal 1				\$3,544
Contingency (25%)				\$886
Subtotal 2				\$4,430
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$1,993
Total				\$6,423
<b>Estimated Project Cost</b>				<b>\$7,000</b>

\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9312
Project Type:	Buffer Restoration
Location:	Unnamed tributary in FCPA parkland in Ellanor C. Lawrence Park downstream from Stringfellow Road and Point Pleasant Road Tax Map – 45-3 Subdivision – Poplar Tree Estates
Description:	Impacted by lawns and clearing

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Buffer Restoration	230	Feet	\$12.50	\$2,875
Base Construction Cost				\$2,875
Mobilization (5%)				\$144
Subtotal 1				\$3,019
Contingency (25%)				\$755
Subtotal 2				\$3,773
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$1,698
Total				\$5,471
<b>Estimated Project Cost</b>				<b>\$6,000</b>

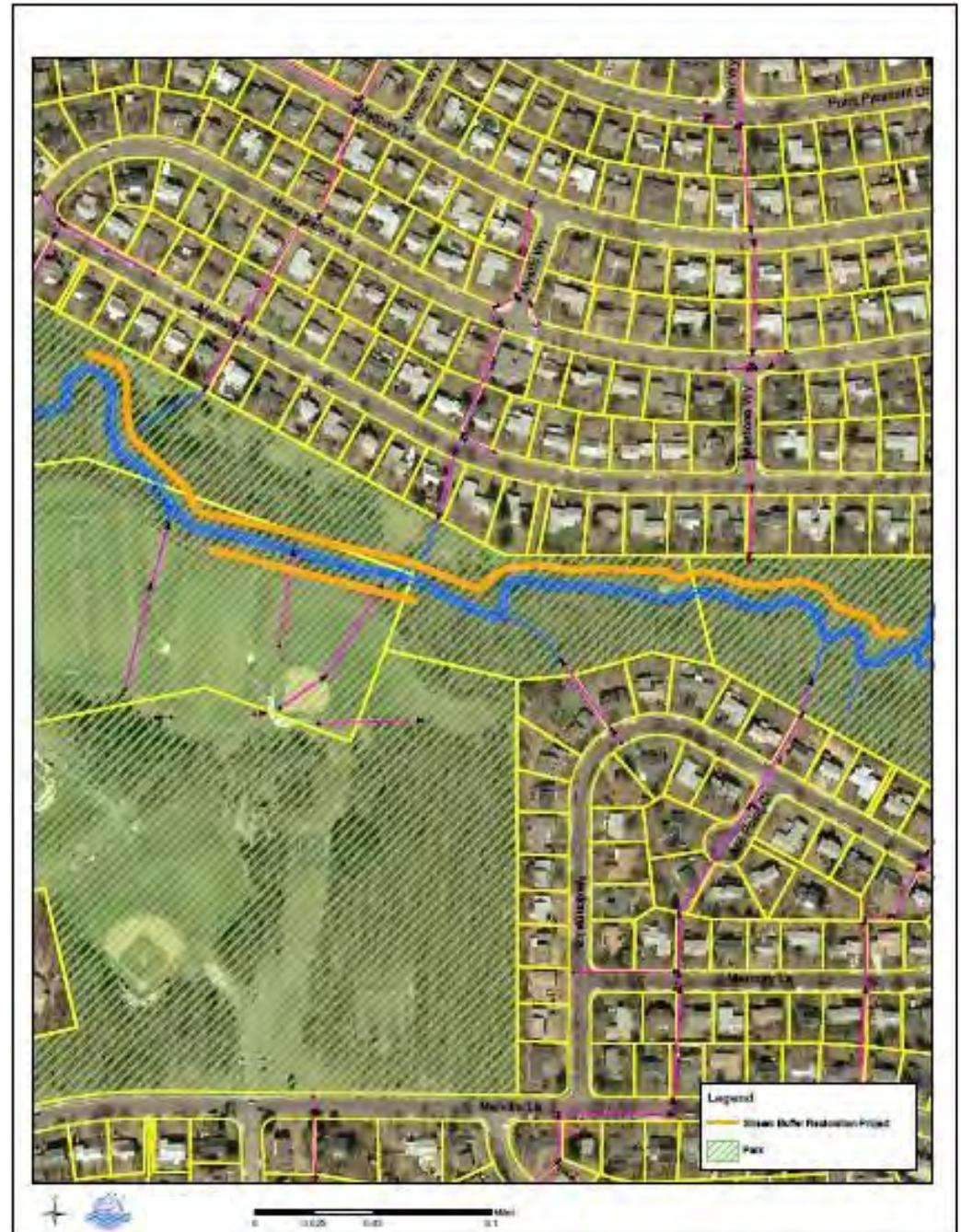
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9313
Project Type:	Buffer Restoration
Location:	Big Rocky Run in FCPA Parkland in Rocky Run Stream Valley Park and Greenbriar Park upstream from Stringfellow Road near Greenbriar Tax Map – 45-3 Subdivision – Near Greenbriar
Description:	Impacted by lawns and trail

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Buffer Restoration	2,630	Feet	\$12.50	\$32,875
Base Construction Cost				\$32,875
Mobilization (5%)				\$1,644
Subtotal 1				\$34,519
Contingency (25%)				\$8,630
Subtotal 2				\$43,148
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$19,417
Total				\$62,565
<b>Estimated Project Cost</b>				<b>\$63,000</b>

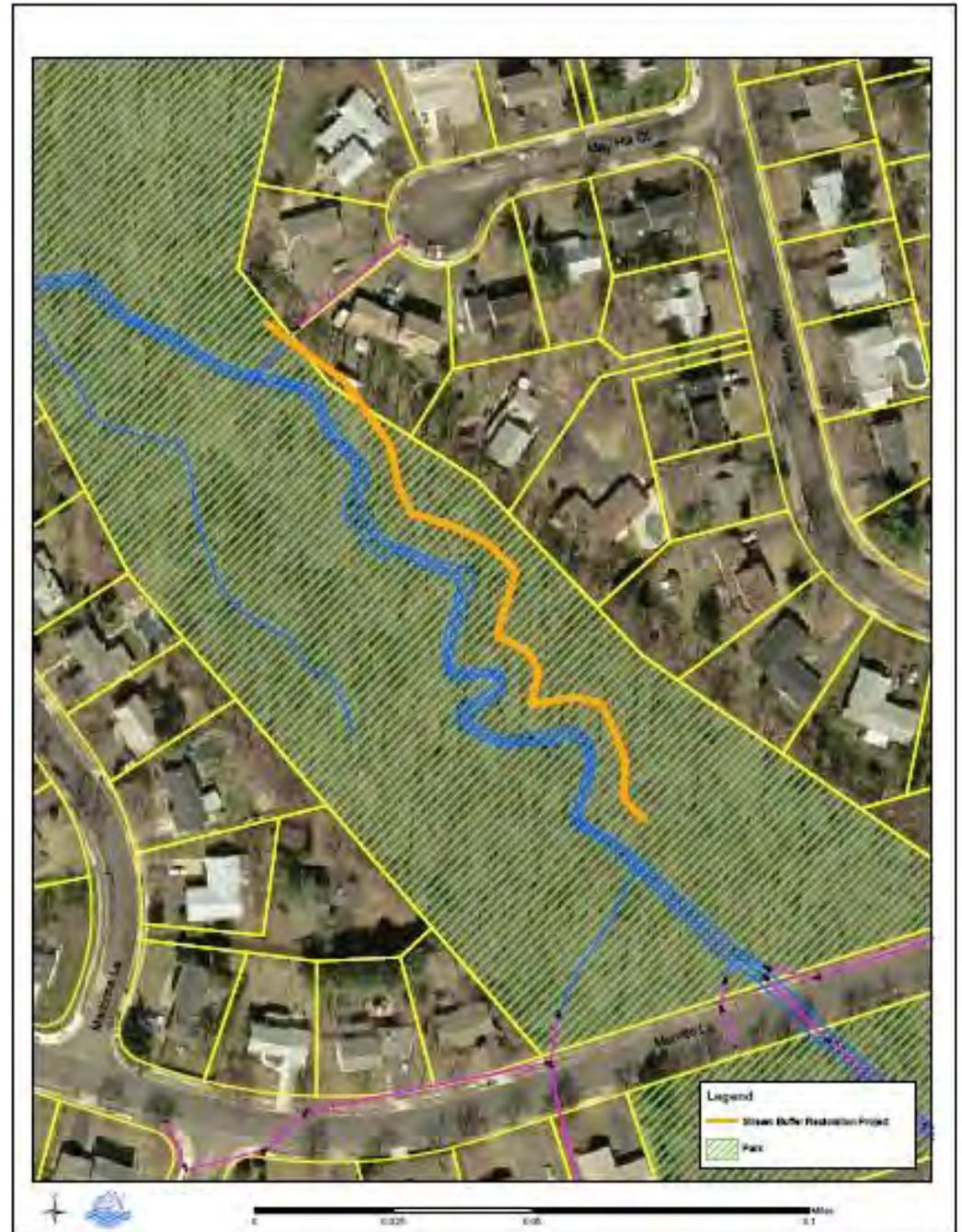
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9314
Project Type:	Buffer Restoration
Location:	Tributary to Big Rocky Run in FCPA parkland in Big Rocky Run Stream Valley Park downstream from Melville Lane between Madonna Lane and Maple View Lane Tax Map 45-3 Subdivision – Green Briar
Description:	Impacted by lawns and clearing

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Buffer Restoration	700	Feet	\$12.50	\$8,750
Base Construction Cost				\$8,750
Mobilization (5%)				\$438
Subtotal 1				\$9,188
Contingency (25%)				\$2,297
Subtotal 2				\$11,484
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$5,168
Total				\$16,652
<b>Estimated Project Cost</b>				<b>\$17,000</b>

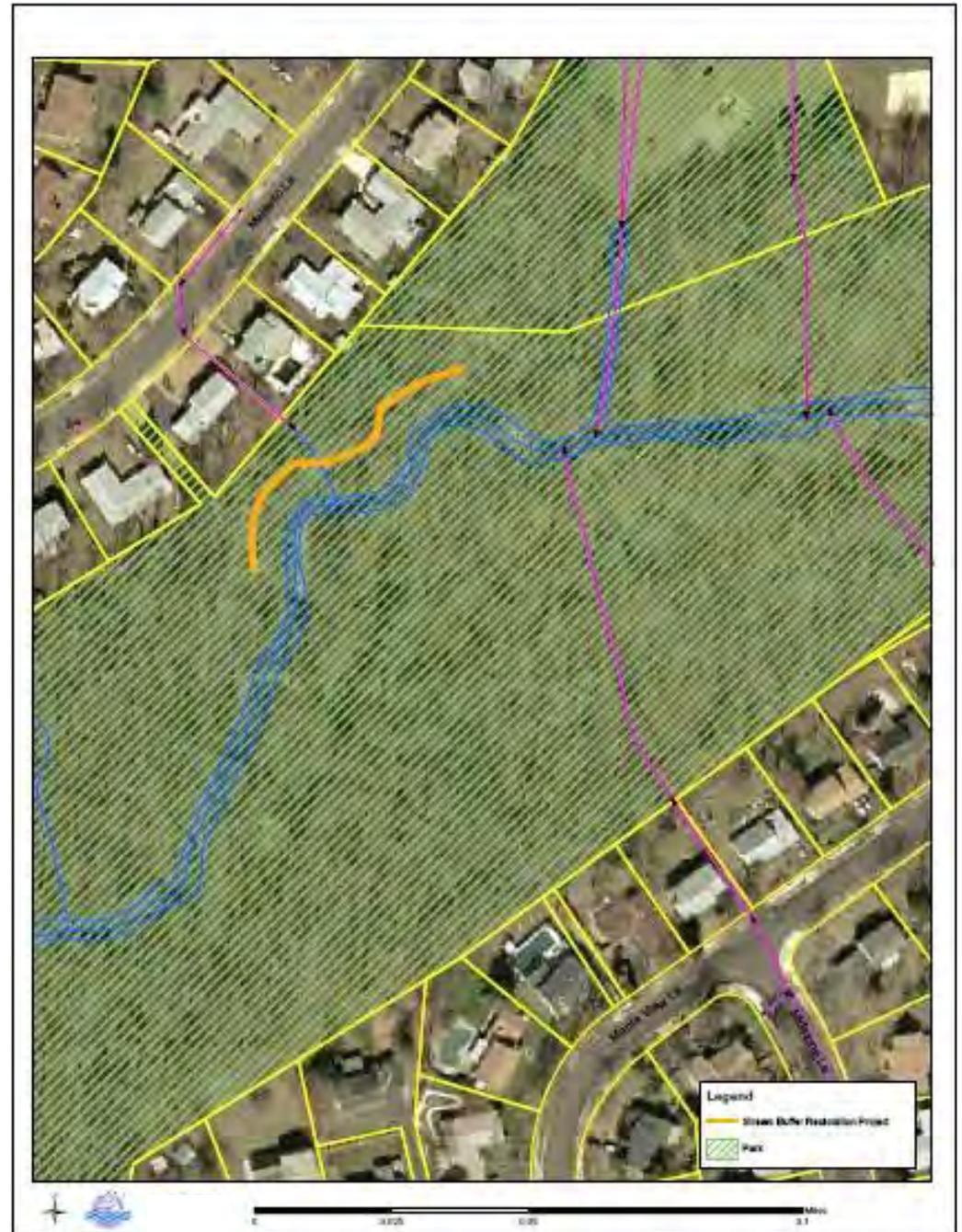
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9315
Project Type:	Buffer Restoration
Location:	Big Rocky Run in FCPA parkland in Rocky Run Stream Valley Park downstream from Middle Ridge Drive near Majestic Lane Tax Map – 45-3 Subdivision - Near Greenbriar
Description:	Impacted by lawns and clearing

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	330	Feet	\$12.50	\$4,125
Base Construction Cost				\$4,125
Mobilization (5%)				\$206
Subtotal 1				\$4,331
Contingency (25%)				\$1,083
Subtotal 2				\$5,414
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$2,436
Total				\$7,850
<b>Estimated Project Cost</b>				<b>\$8,000</b>

\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9316
Project Type:	Buffer Restoration
Location:	Tributary to Middle Cub run partially in FCPA parkland in Cub Run Stream Valley Park. Virginia Run - Downstream from Pleasant Valley Rd. and crossing Hidden Canyon Road Tax Map – 53-3, 53-4 Subdivision – Pleasant Hill and Westport
Description:	Impacted by mowed areas.

Project Cost Estimate				
Item	Qty*	Units	Unit Cost	Total Cost
Stream Restoration	3,550	Feet	\$12.50	\$44,375
Base Construction Cost				\$44,375
Mobilization (5%)				\$2,219
Subtotal 1				\$46,594
Contingency (25%)				\$11,648
Subtotal 2				\$58,242
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$26,209
Total				\$84,451
<b>Estimated Project Cost</b>				<b>\$85,000</b>

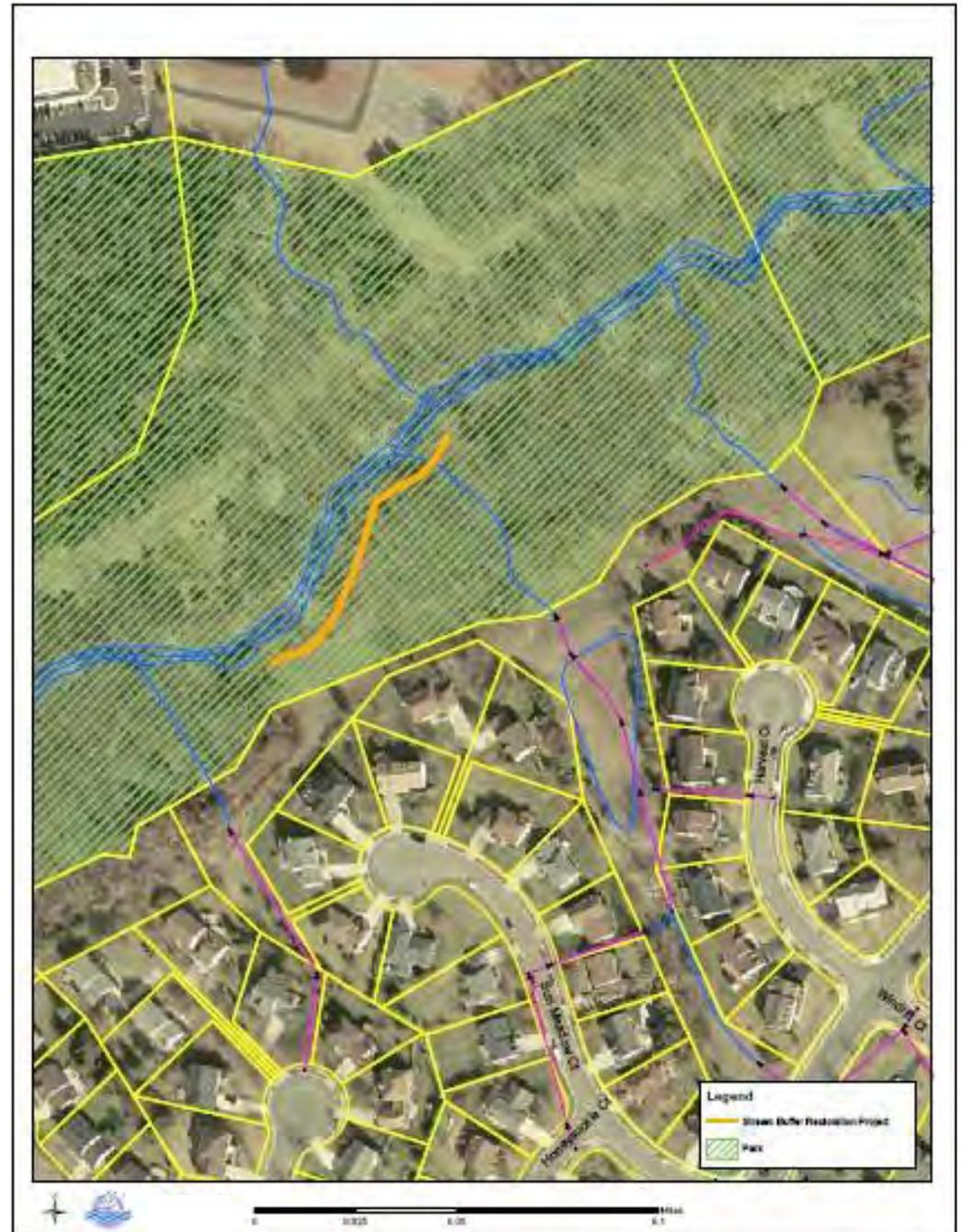
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9317
Project Type:	Buffer Restoration
Location:	Flatlick Branch in FCPA parkland in Flatlick Stream Valley Park upstream from Braddock Road near Sun Meadow Court Tax Map – 43-4 Subdivision – Sully Station
Description:	Impacted by trail, mowed areas and clearing

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	400	Feet	\$12.50	\$5,000
Base Construction Cost				\$5,000
Mobilization (5%)				\$250
Subtotal 1				\$5,250
Contingency (25%)				\$1,313
Subtotal 2				\$6,563
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$2,953
Total				\$9,516
<b>Estimated Project Cost</b>				<b>\$10,000</b>

\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9318
Project Type:	Buffer Restoration
Location:	Frog Branch in FCPA Frog Branch Stream Valley Park upstream and downstream from Lees Corner Rd Tax Map – 44-2 Subdivision – Brookfield
Description:	Impacted by mowed areas, clearing and nearby development

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	2,070	Feet	\$12.50	\$25,875
Base Construction Cost				\$25,875
Mobilization (5%)				\$1,294
Subtotal 1				\$27,169
Contingency (25%)				\$6,792
Subtotal 2				\$33,961
Engineering design, surveys, land acquisition, utility locations, and permits (45%)			\$15,282	
Total				\$49,243
<b>Estimated Project Cost</b>				<b>\$50,000</b>

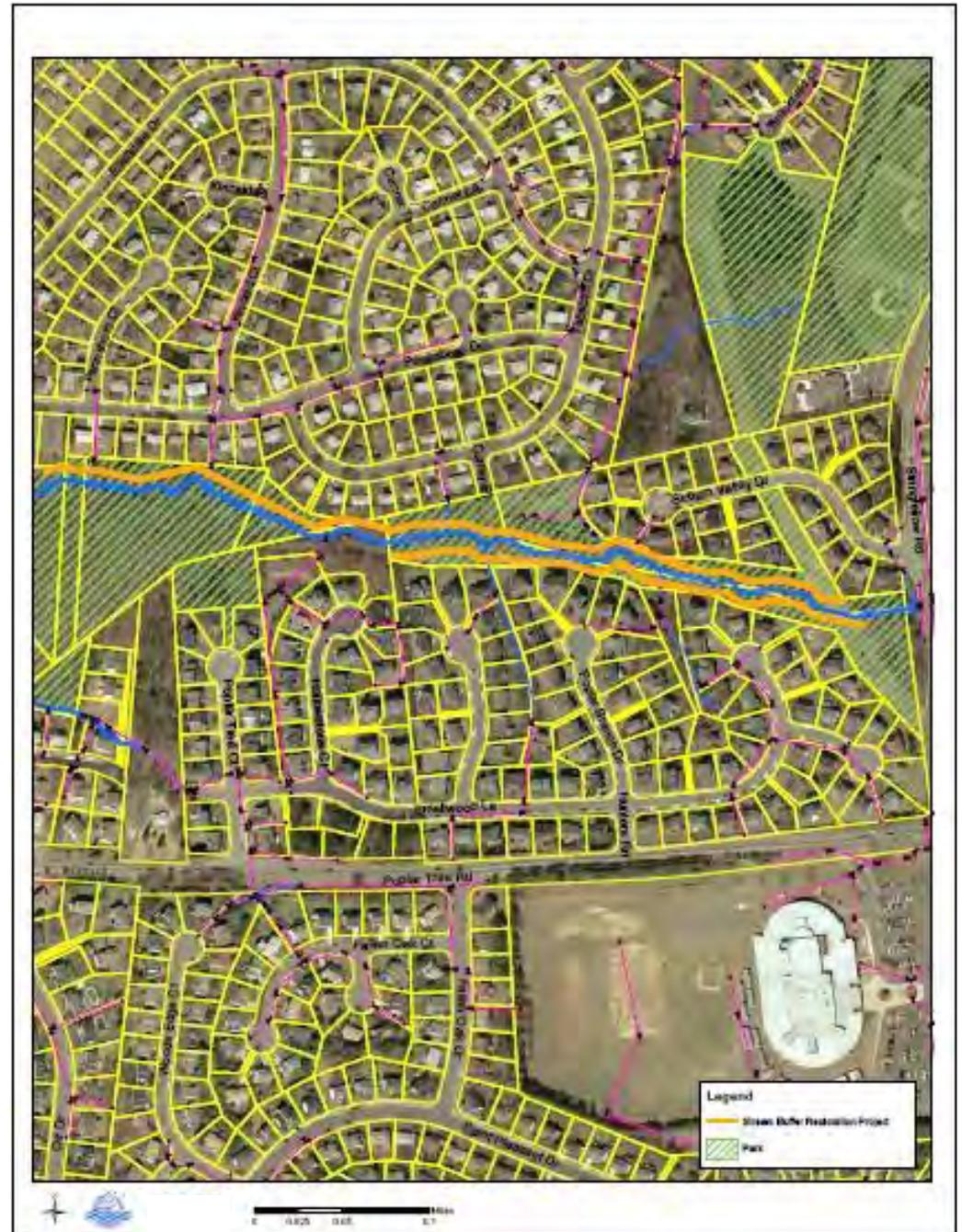
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9319
Project Type:	Buffer Restoration
Location:	Frog Branch in FCPA Frog Branch Stream Valley Park downstream from Stringfellow Road Tax Map – 44-2, 45-1 Subdivision – Brookfield, Hunters Run Section 1, Marion Woods, Poplar Tree Woods
Description:	Impacted by lawns and clearing

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	4,030	Feet	\$12.50	\$50,375
Base Construction Cost				\$50,375
Mobilization (5%)				\$2,519
Subtotal 1				\$52,894
Contingency (25%)				\$13,223
Subtotal 2				\$66,117
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$29,753
Total				\$95,870
<b>Estimated Project Cost</b>				<b>\$96,000</b>

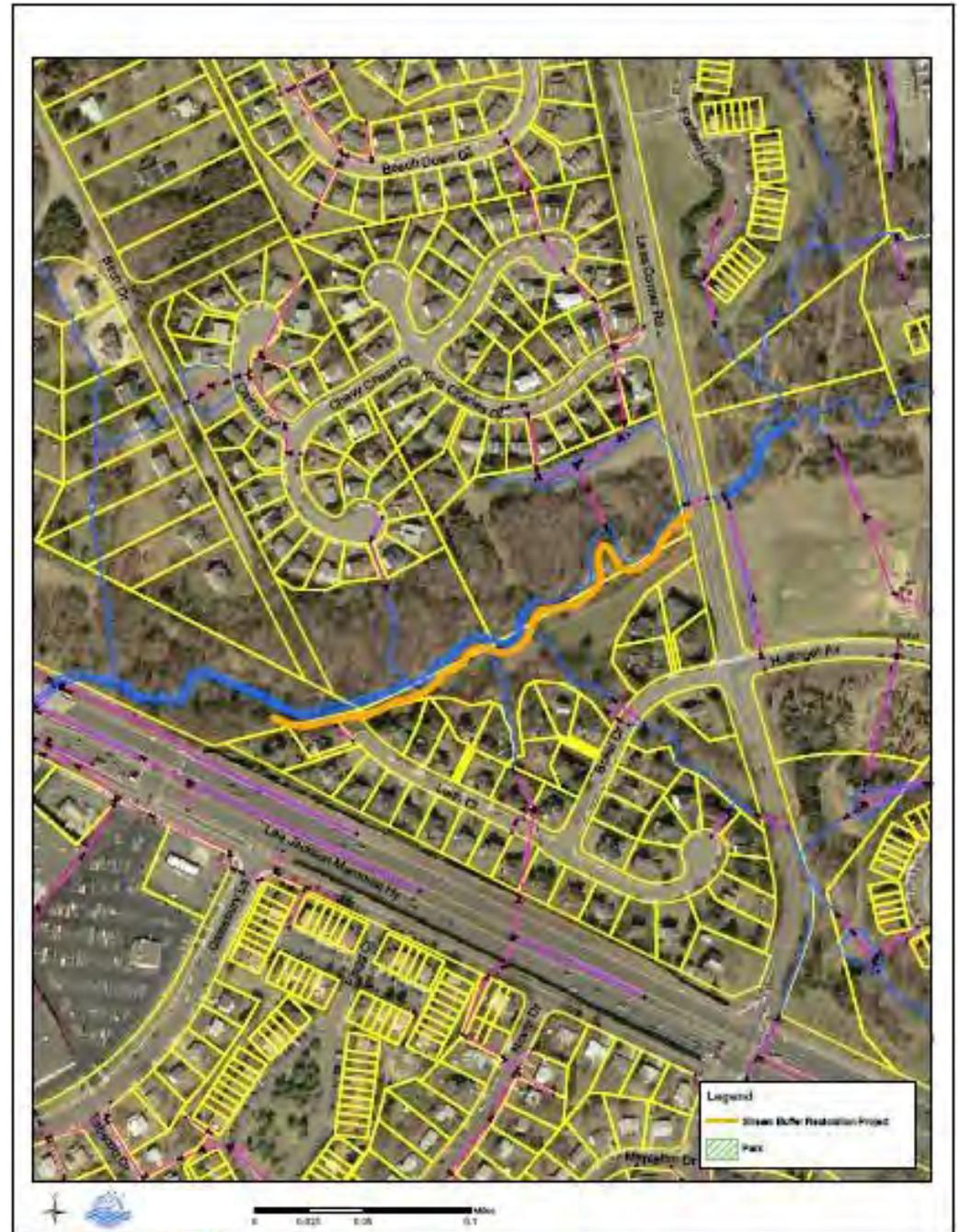
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9320
Project Type:	Buffer Restoration
Location:	Flatlick Branch in private property upstream from Rt. 50 and downstream from Lees Corner Road Tax Map – 34-4, 35-3 Subdivisions – Armfield Estates and Fair Oaks Farms
Description:	Impacted by mowed areas and nearby development.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	1,350	Feet	\$12.50	\$16,875
Base Construction Cost				\$16,875
Mobilization (5%)				\$844
Subtotal 1				\$17,719
Contingency (25%)				\$4,430
Subtotal 2				\$22,148
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$9,967
Total				\$32,115
<b>Estimated Project Cost</b>				<b>\$33,000</b>

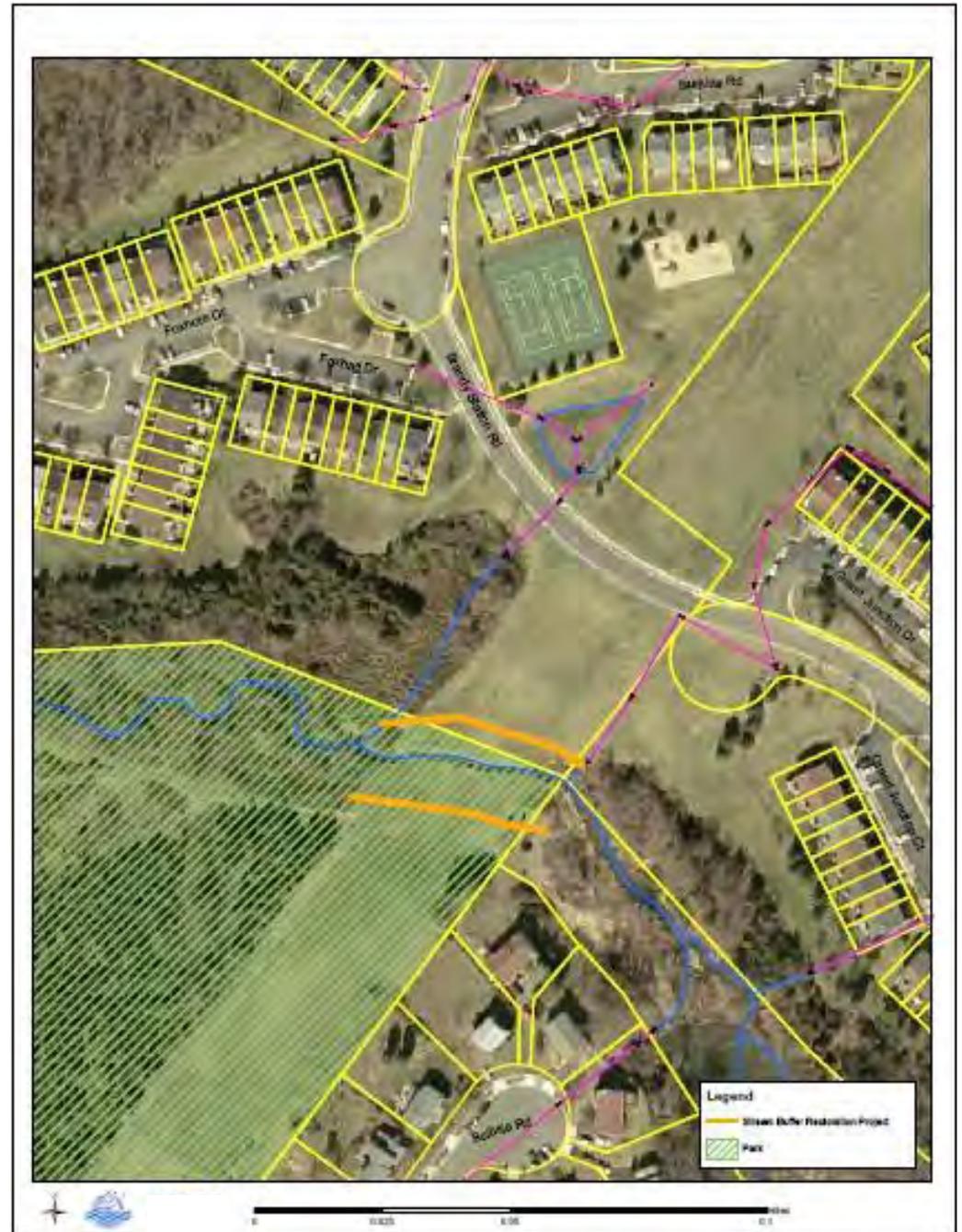
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9321
Project Type:	Buffer Restoration
Location:	Oxlick Brach in FCPA parkland downstream from Stringfellow Road near Brandy Station Road Tax Map – 35-3 Subdivision – Chantilly Farm Section 2 and Foxfield
Description:	Impacted by natural gas line utility right of way clearing and mowing

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	430	Feet	\$12.50	\$5,375
Base Construction Cost				\$5,375
Mobilization (5%)				\$269
Subtotal 1				\$5,644
Contingency (25%)				\$1,411
Subtotal 2				\$7,055
Engineering design, surveys, land acquisition, utility locations, and permits (45%)			\$3,175	
Total				\$10,229
<b>Estimated Project Cost</b>				<b>\$11,000</b>

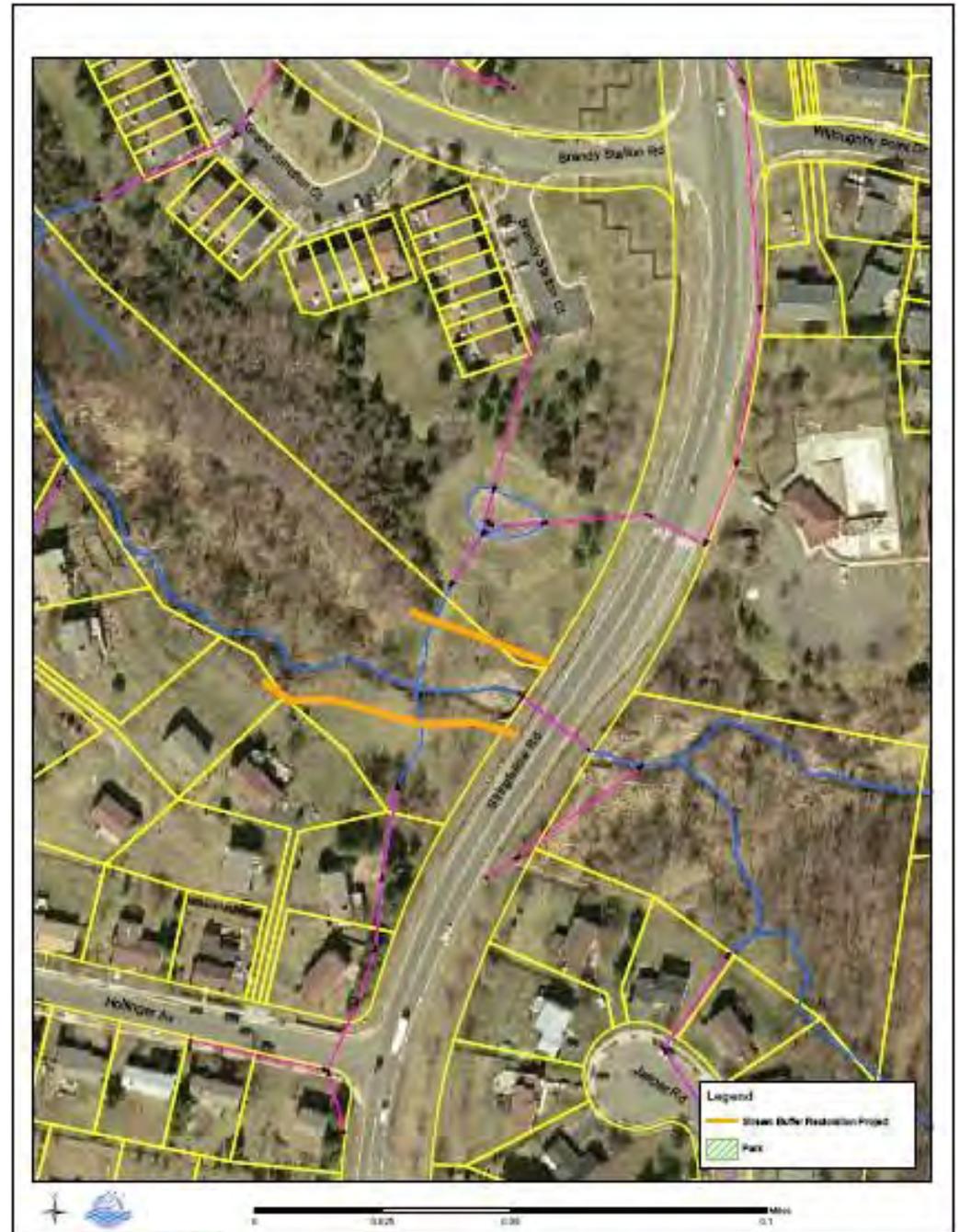
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9322
Project Type:	Buffer Restoration
Location:	Oxlick Branch downstream from Stringfellow Road Tax Map 35-3 Subdivision – Chantilly Farm Section 2 and Foxfield
Description:	Impacted by mowed areas, clearing and stormwater pond construction

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	430	Feet	\$12.50	\$5,375
Base Construction Cost				\$5,375
Mobilization (5%)				\$269
Subtotal 1				\$5,644
Contingency (25%)				\$1,411
Subtotal 2				\$7,055
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$3,175
Total				\$10,229
<b>Estimated Project Cost</b>				<b>\$11,000</b>

\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9323
Project Type:	Buffer Restoration
Location:	Oxlick Branch on private property downstream from Fairfax County Parkway near Freehill Lane Tax Map – 45-2 Subdivision – Highland Oaks
Description:	Impacted by lawns and clearing

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	110	Feet	\$12.50	\$1,375
Base Construction Cost				\$1,375
Mobilization (5%)				\$69
Subtotal 1				\$1,444
Contingency (25%)				\$361
Subtotal 2				\$1,805
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$812
Total				\$2,617
<b>Estimated Project Cost</b>				<b>\$3,000</b>

\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9324
Project Type:	Buffer Restoration
Location:	Flatlick Branch in private property upstream from Lees Corner Road Tax Map – 35-3 Subdivision – Foxfield
Description:	Impacted by utility right of way clearing and mowing

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	380	Feet	\$12.50	\$4,750
Base Construction Cost				\$4,750
Mobilization (5%)				\$238
Subtotal 1				\$4,988
Contingency (25%)				\$1,247
Subtotal 2				\$6,234
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$2,805
Total				\$9,040
<b>Estimated Project Cost</b>				<b>\$10,000</b>

\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9325
Project Type:	Buffer Restoration
Location:	Flatlick Branch in private property downstream from Fairfax County Parkway. Near Broomsedge Court, Oakshade Court and Majestic Pine Lane Tax Map – 35-3 Subdivision – Franklin Glen
Description:	Flatlick Branch, Impacted by mowed and cleared areas and nearby development.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	990	Feet	\$12.50	\$12,375
Base Construction Cost				\$12,375
Mobilization (5%)				\$619
Subtotal 1				\$12,994
Contingency (25%)				\$3,248
Subtotal 2				\$16,242
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$7,309
Total				\$23,551
<b>Estimated Project Cost</b>				<b>\$24,000</b>

\* - Cumulative length of impacted stream buffer within project limits.

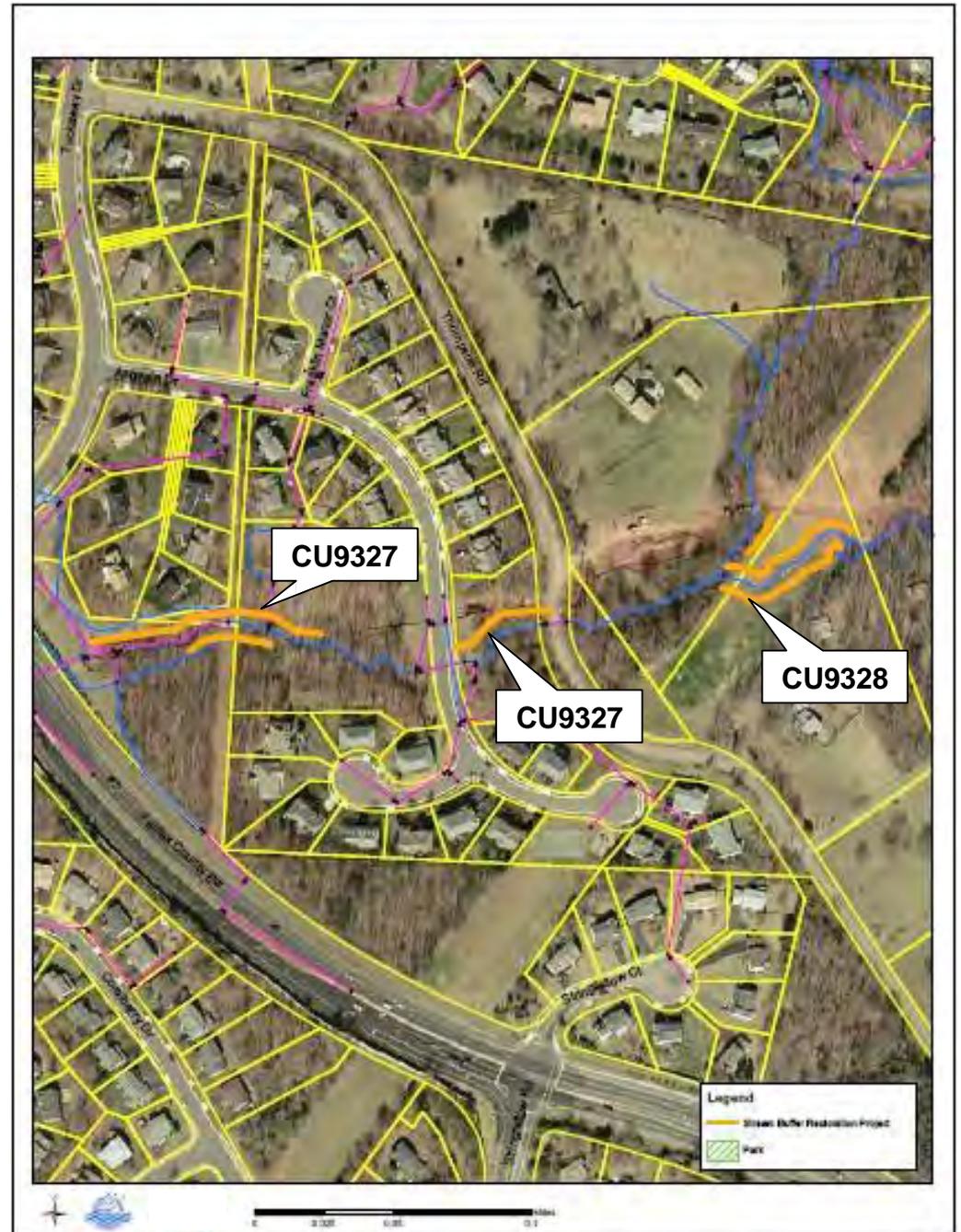




Project ID:	CU9327
Project Type:	Buffer Restoration
Location:	Flatlick Branch in private property upstream from Fairfax County Parkway and downstream from Thompson Road in two segments Tax Map – 35-3 Subdivision – Franklin Glen Section 11 and Franklin Manor
Description:	Impacted by mowed areas and clearing

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	840	Feet	\$12.50	\$10,500
Base Construction Cost				\$10,500
Mobilization (5%)				\$525
Subtotal 1				\$11,025
Contingency (25%)				\$2,756
Subtotal 2				\$13,781
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$6,202
Total				\$19,983
<b>Estimated Project Cost</b>				<b>\$20,000</b>

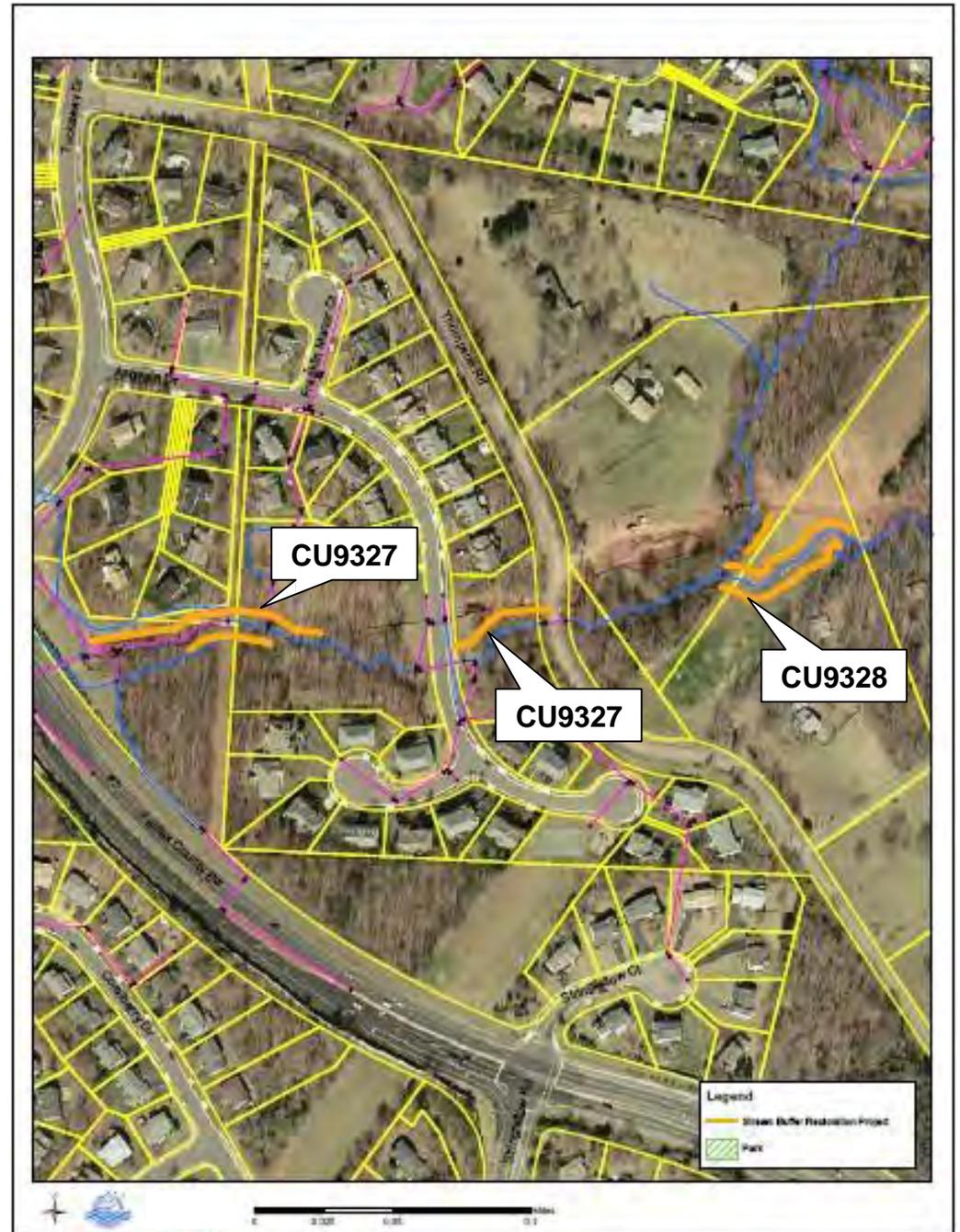
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9328
Project Type:	Buffer Restoration
Location:	Flatlick Branch on private property upstream from Thompson Road Tax Map – 35-3
Description:	Impacted by natural gas line clearing and mowing

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	660	Feet	\$12.50	\$8,250
Base Construction Cost				\$8,250
Mobilization (5%)				\$413
Subtotal 1				\$8,663
Contingency (25%)				\$2,166
Subtotal 2				\$10,828
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$4,873
Total				\$15,701
<b>Estimated Project Cost</b>				<b>\$16,000</b>

\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9329
Project Type:	Buffer Restoration
Location:	Flatlick Branch tributary on private property within Franklin Manor near Rose Grove Drive upstream from existing lake Tax Map – 35-4 Subdivision – Oak Hill Reserve
Description:	Impacted by new construction.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	2,000	Feet	\$12.50	\$25,000
Base Construction Cost				\$25,000
Mobilization (5%)				\$1,250
Subtotal 1				\$26,250
Contingency (25%)				\$6,563
Subtotal 2				\$32,813
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$14,766
Total				\$47,578
<b>Estimated Project Cost</b>				<b>\$48,000</b>

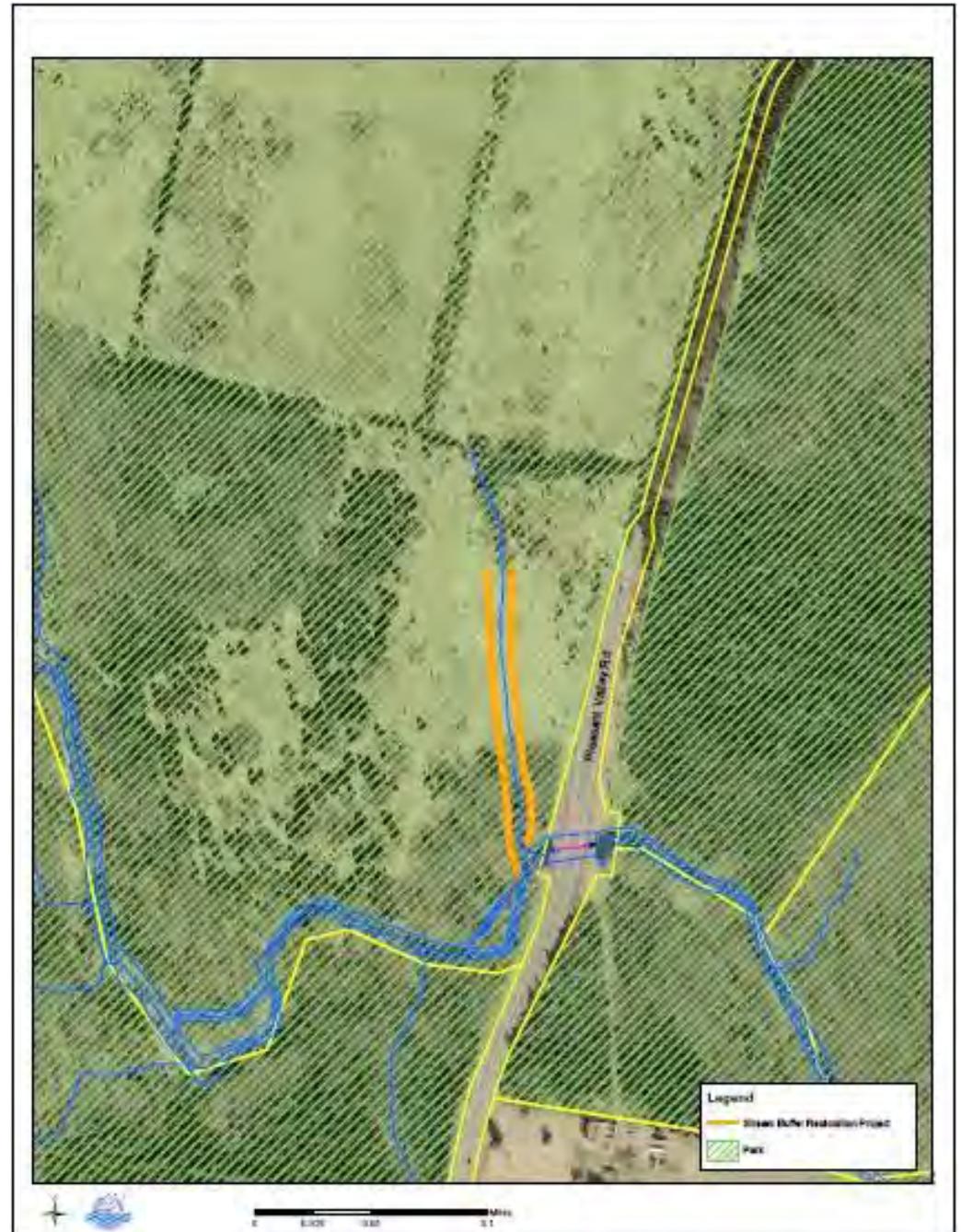
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9330
Project Type:	Buffer Restoration
Location:	Unnamed tributary to Ellick Run in FCPA parkland in Sully Woodlands near Pleasant Valley Road immediately north of Ellick Run Tax Map – 43-3
Description:	Impacted by field and clearing

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	1,350	Feet	\$12.50	\$16,875
Base Construction Cost				\$16,875
Mobilization (5%)				\$844
Subtotal 1				\$17,719
Contingency (25%)				\$4,430
Subtotal 2				\$22,148
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$9,967
Total				\$32,115
<b>Estimated Project Cost</b>				<b>\$33,000</b>

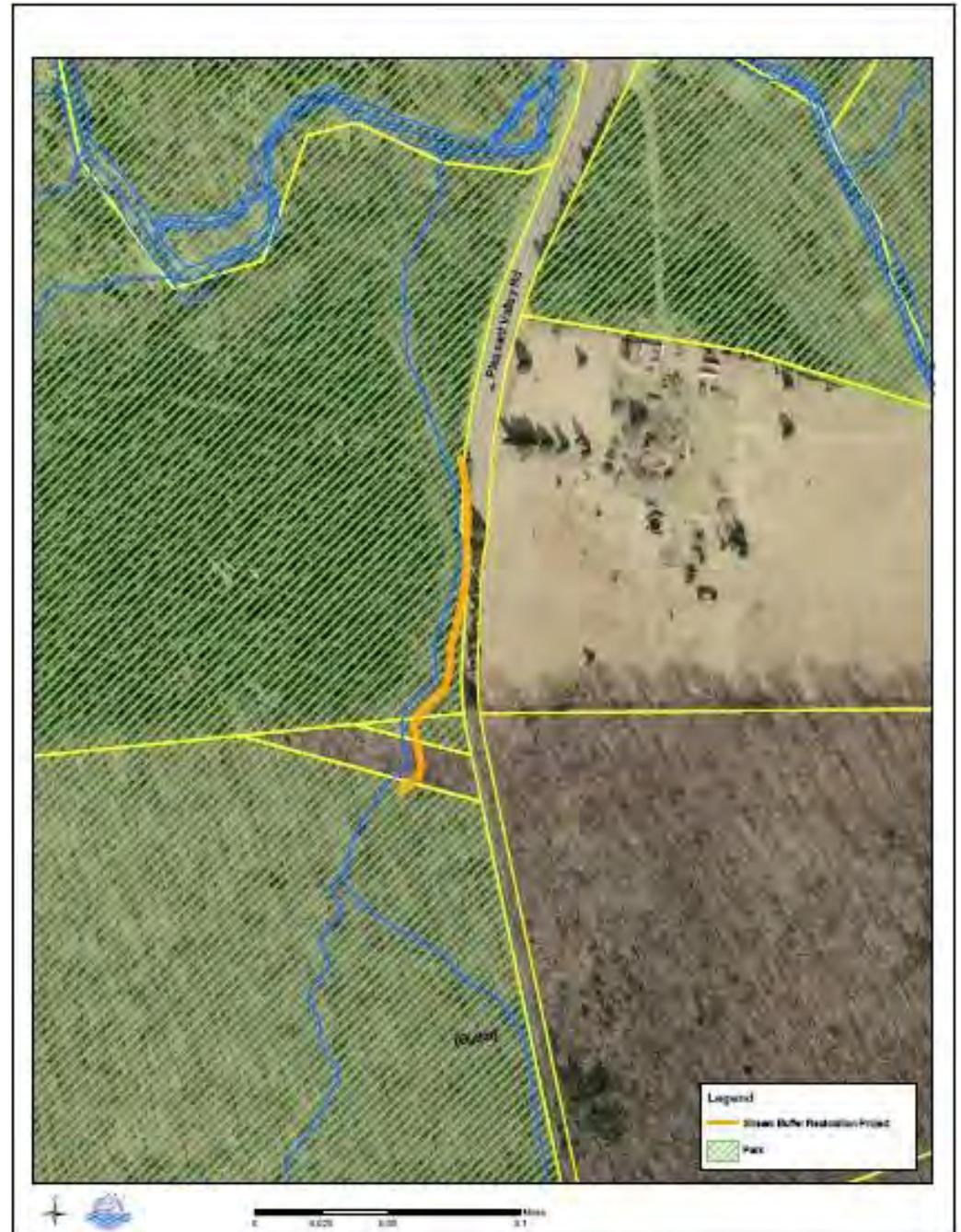
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9331
Project Type:	Buffer Restoration
Location:	Unnamed tributary to Elklick Run in FCWA Parkland within Sully Woodlands adjacent to Pleasant Valley Road south of Elklick Run Tax Map – 43-3
Description:	Impacted by roadway.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	720	Feet	\$12.50	\$9,000
Base Construction Cost				\$9,000
Mobilization (5%)				\$450
Subtotal 1				\$9,450
Contingency (25%)				\$2,363
Subtotal 2				\$11,813
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$5,316
Total				\$17,128
<b>Estimated Project Cost</b>				<b>\$18,000</b>

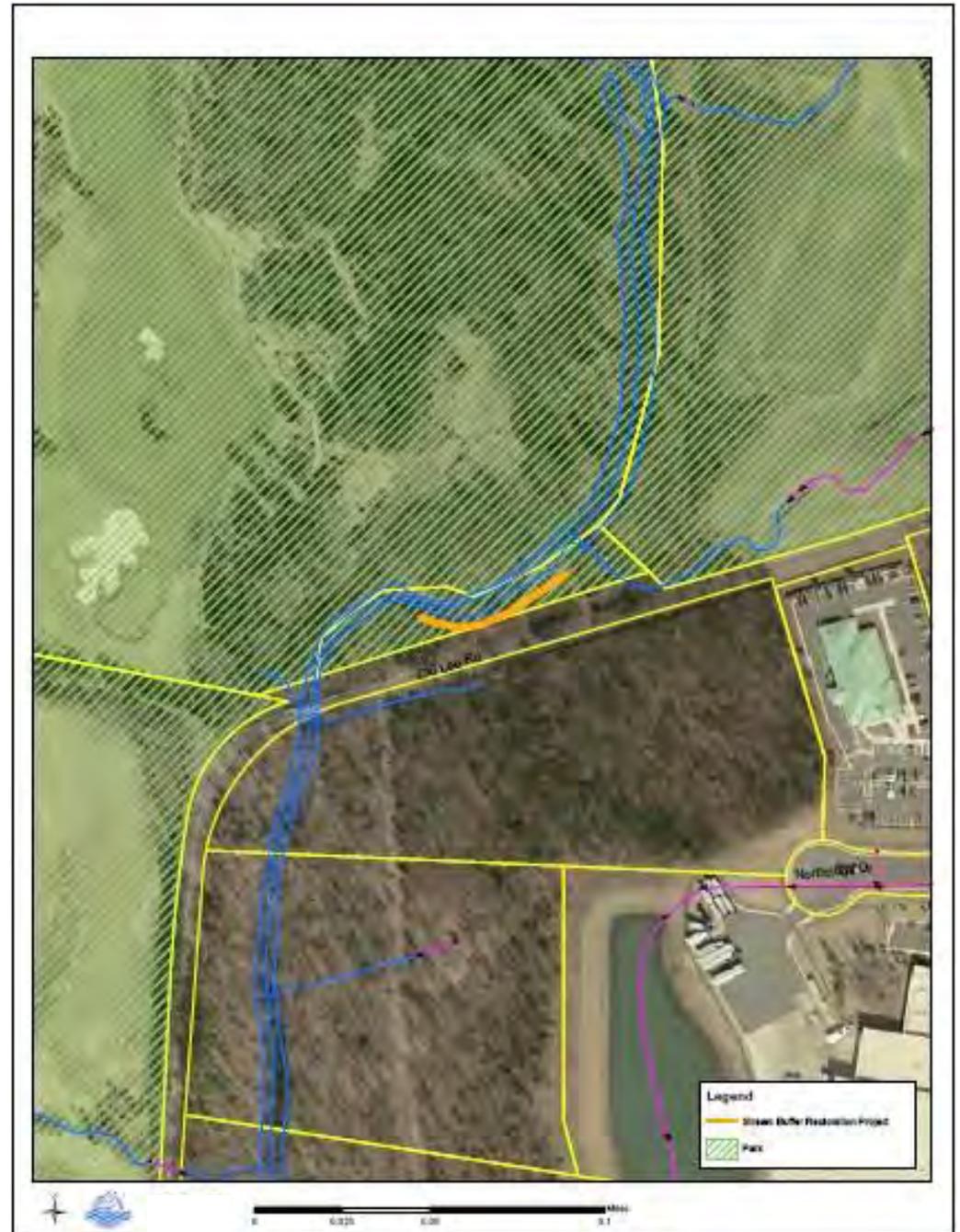
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9332
Project Type:	Buffer Restoration
Location:	Cub Run in FCPA parkland at Old Lee Road near Westfield High School Tax Map – 43-2
Description:	Impacted by roadway and construction of stormwater utilities.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	250	Feet	\$12.50	\$3,125
Base Construction Cost				\$3,125
Mobilization (5%)				\$156
Subtotal 1				\$3,281
Contingency (25%)				\$820
Subtotal 2				\$4,102
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$1,846
Total				\$5,947
<b>Estimated Project Cost</b>				<b>\$6,000</b>

\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9333
Project Type:	Buffer Restoration
Location:	FCPA Parkland in Cub Run Stream Valley Park along Schneider Branch upstream from Cub Run and downstream from Stonecroft Boulevard Tax Map – 33-4 Dulles International Business Center
Description:	Impacted by fields and clearing

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	1,160	Feet	\$12.50	\$14,500
Base Construction Cost				\$14,500
Mobilization (5%)				\$725
Subtotal 1				\$15,225
Contingency (25%)				\$3,806
Subtotal 2				\$19,031
Engineering design, surveys, land acquisition, utility locations, and permits (45%)			\$8,564	
Total				\$27,595
<b>Estimated Project Cost</b>				<b>\$28,000</b>

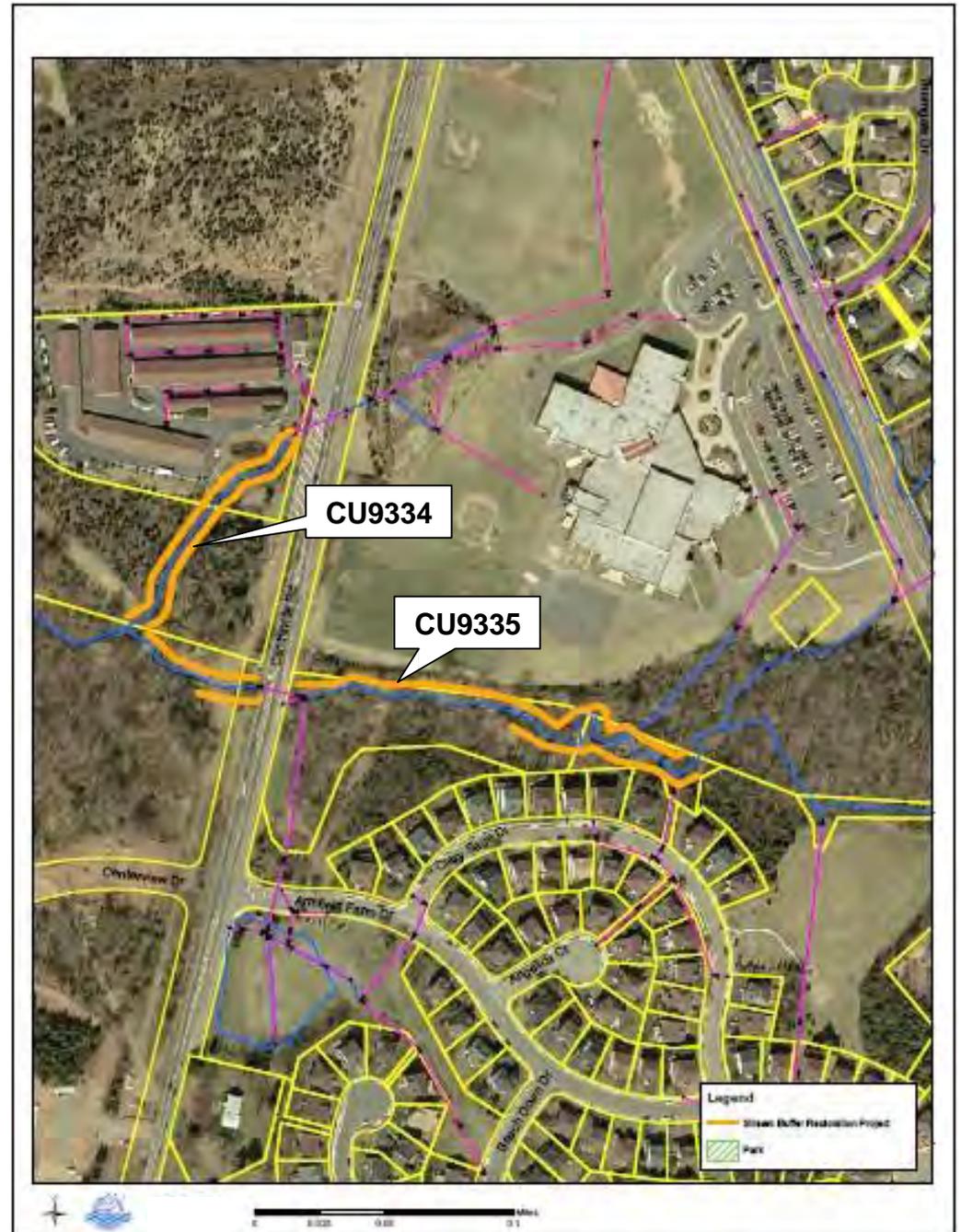
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9334
Project Type:	Buffer Restoration
Location:	Unnamed tributary to Cain Branch on private property downstream from Centreville Road near Franklin Middle School Tax Map 34-2
Description:	Impacted by fields and nearby development.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	1,060	Feet	\$12.50	\$13,250
Base Construction Cost				\$13,250
Mobilization (5%)				\$663
Subtotal 1				\$13,913
Contingency (25%)				\$3,478
Subtotal 2				\$17,391
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$7,826
Total				\$25,216
<b>Estimated Project Cost</b>				<b>\$26,000</b>

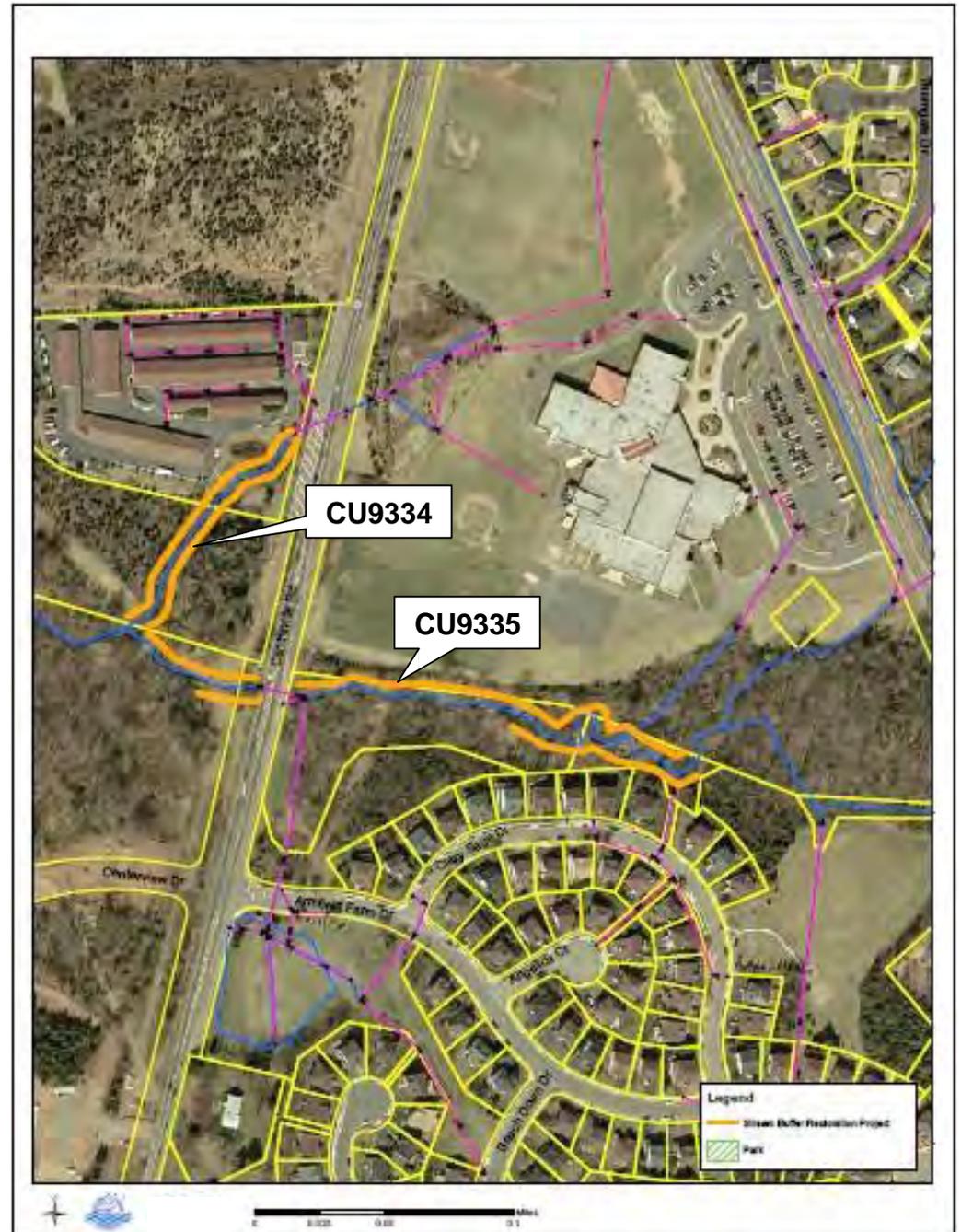
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9335
Project Type:	Buffer Restoration
Location:	Cain Branch on private property upstream from Centreville Road and downstream from Lees Corner Road near Franklin Middle School. Tax Map - 34-2 Subdivision – Armfield Farms
Description:	Impacted by road construction and school development

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	1,680	Feet	\$12.50	\$21,000
Base Construction Cost				\$21,000
Mobilization (5%)				\$1,050
Subtotal 1				\$22,050
Contingency (25%)				\$5,513
Subtotal 2				\$27,563
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$12,403
Total				\$39,966
<b>Estimated Project Cost</b>				<b>\$40,000</b>

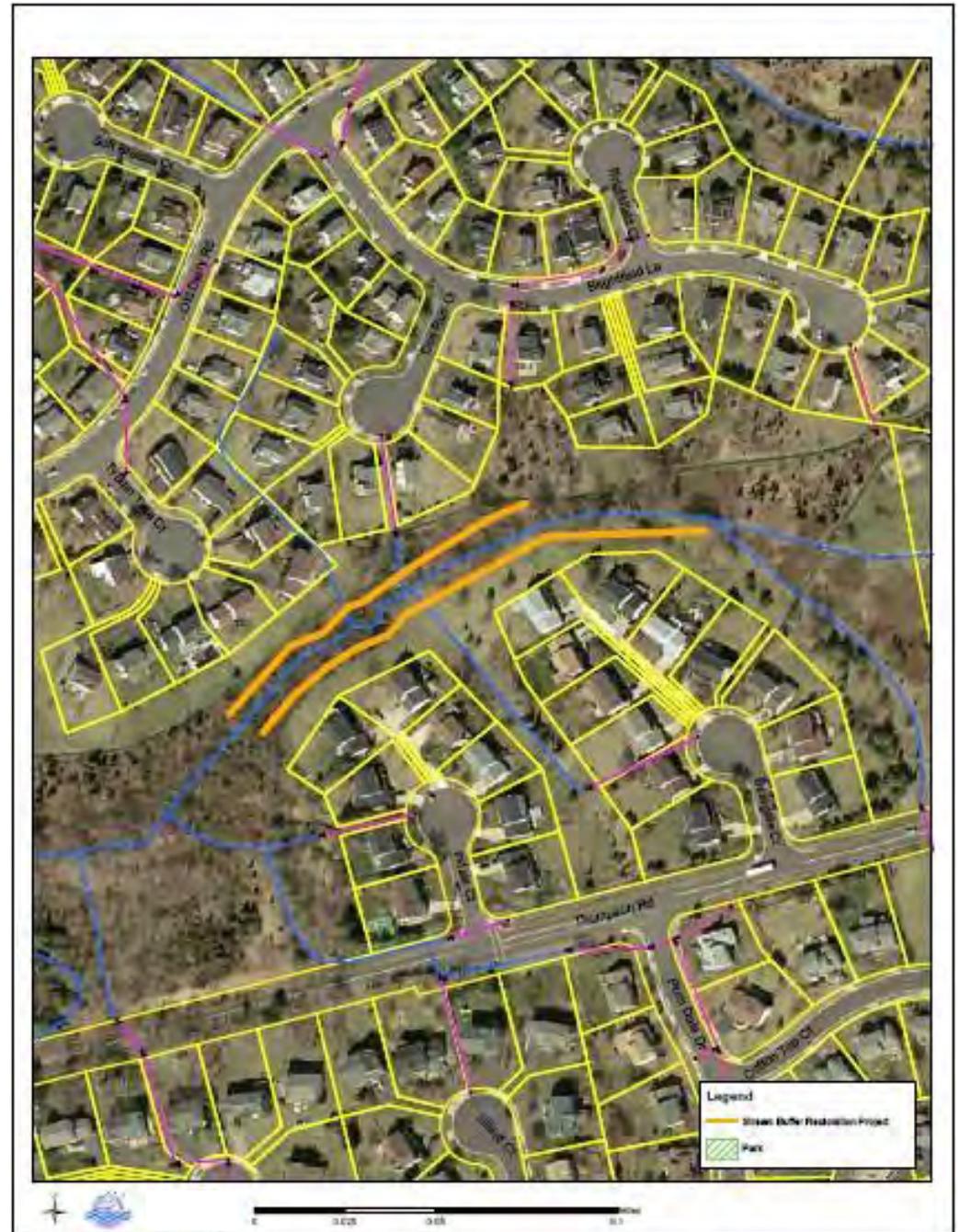
\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9336
Project Type:	Buffer Restoration
Location:	Cain Branch in private property upstream from Lees Corner Road and regional pond C57. North of Indale Court and Briar Gate Court Tax Map – 35-1 Subdivision – 35-1
Description:	Impacted by nearby development and mowed areas.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	1,290	Feet	\$12.50	\$16,125
Base Construction Cost				\$16,125
Mobilization (5%)				\$806
Subtotal 1				\$16,931
Contingency (25%)				\$4,233
Subtotal 2				\$21,164
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$9,524
Total				\$30,688
<b>Estimated Project Cost</b>				<b>\$31,000</b>

\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9337
Project Type:	Buffer Restoration
Location:	Cub Run Tributary near Pleasant Valley Neighborhood. Partially within FCPA Cub Run Stream Valley Park on unnamed tributary. Tax Map – 33-1, 33-2, 33-3, 33-4 Subdivision – Lafayette Business Center and Pleasant Valley
Description:	Impacted by mowed areas and fields.

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	6,160	Feet	\$12.50	\$77,000
Base Construction Cost				\$77,000
Mobilization (5%)				\$3,850
Subtotal 1				\$80,850
Contingency (25%)				\$20,213
Subtotal 2				\$101,063
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$45,478
Total				\$146,541
<b>Estimated Project Cost</b>				<b>\$147,000</b>

\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9338
Project Type:	Buffer Restoration
Location:	Dead Run on private property downstream from Stonecroft Boulevard. Tax Map 33-2 and 34-1 Subdivision – Fairwood Estates
Description:	Impacted by nearby construction and other land uses and open fields

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	1,140	Feet	\$12.50	\$14,250
Base Construction Cost				\$14,250
Mobilization (5%)				\$713
Subtotal 1				\$14,963
Contingency (25%)				\$3,741
Subtotal 2				\$18,703
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$8,416
Total				\$27,120
<b>Estimated Project Cost</b>				<b>\$28,000</b>

\* - Cumulative length of impacted stream buffer within project limits.



Project ID:	CU9339
Project Type:	Buffer Restoration
Location:	Dead Run on private property upstream from Stonecroft Boulevard Tax Map – 24-3
Description:	Impacted by new construction

Project Cost Estimate				
Item	Qty *	Units	Unit Cost	Total Cost
Stream Restoration	1,240	Feet	\$12.50	\$15,500
Base Construction Cost				\$15,500
Mobilization (5%)				\$775
Subtotal 1				\$16,275
Contingency (25%)				\$4,069
Subtotal 2				\$20,344
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				\$9,155
Total				\$29,498
<b>Estimated Project Cost</b>				<b>\$30,000</b>

\* - Cumulative length of impacted stream buffer within project limits.

