Fact Sheets

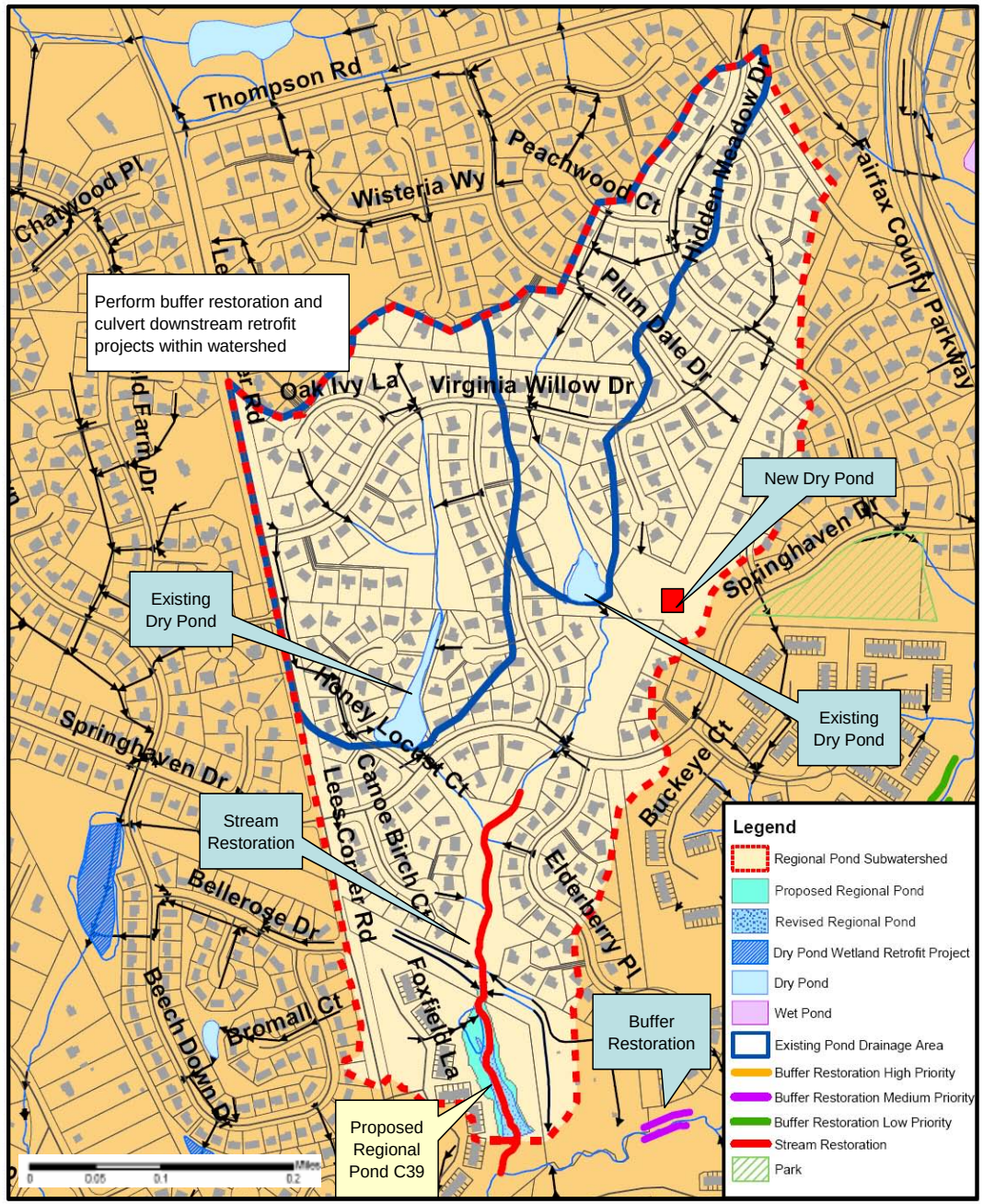
Projects CU9001 and CU9002

Cub Run Watershed Regional Pond or Alternative Projects

Projects CU9001 and CU9002. These are the only two regional ponds included in the watershed plan. As documented in Section 6, several of the previously proposed regional ponds have been deleted and alternative stormwater controls will be implemented. The alternative stormwater control for these deleted regional ponds are documented in Section 6 and included as separate projects.

Project ID	CU9001 – Regional Pond C39
Location	Foxfield Lane within the Foxfield Community PIN – 0353 17 J
Description	Implement a reduced-size or modified regional pond at the proposed site of regional pond C39 as a dry pond with an extended detention storage volume equivalent to approximately one-inch of runoff from the impervious area. Also implement identified alternative stormwater projects to address stream erosion within and downstream from the dry pond and to improve health of the streams upstream from the regional pond. If the pond cannot be implemented, then implement alternative projects including upstream smaller dry pond as shown.

Project Cost Estimate				
Item	Qty	Units	Unit Cost	Total Cost
Dry Pond	1	Dry Pond		$335,764
Base Construction Cost				$335,764
Mobilization (5%)				$16,788
Subtotal 1				$352,552
Contingency (25%)				$88,138
Subtotal 2				$440,690
Engineering design, surveys, land acquisition, utility locations, and permits (45%)				$198,310
Total				$639,000
Estimated Project Cost				$639,000

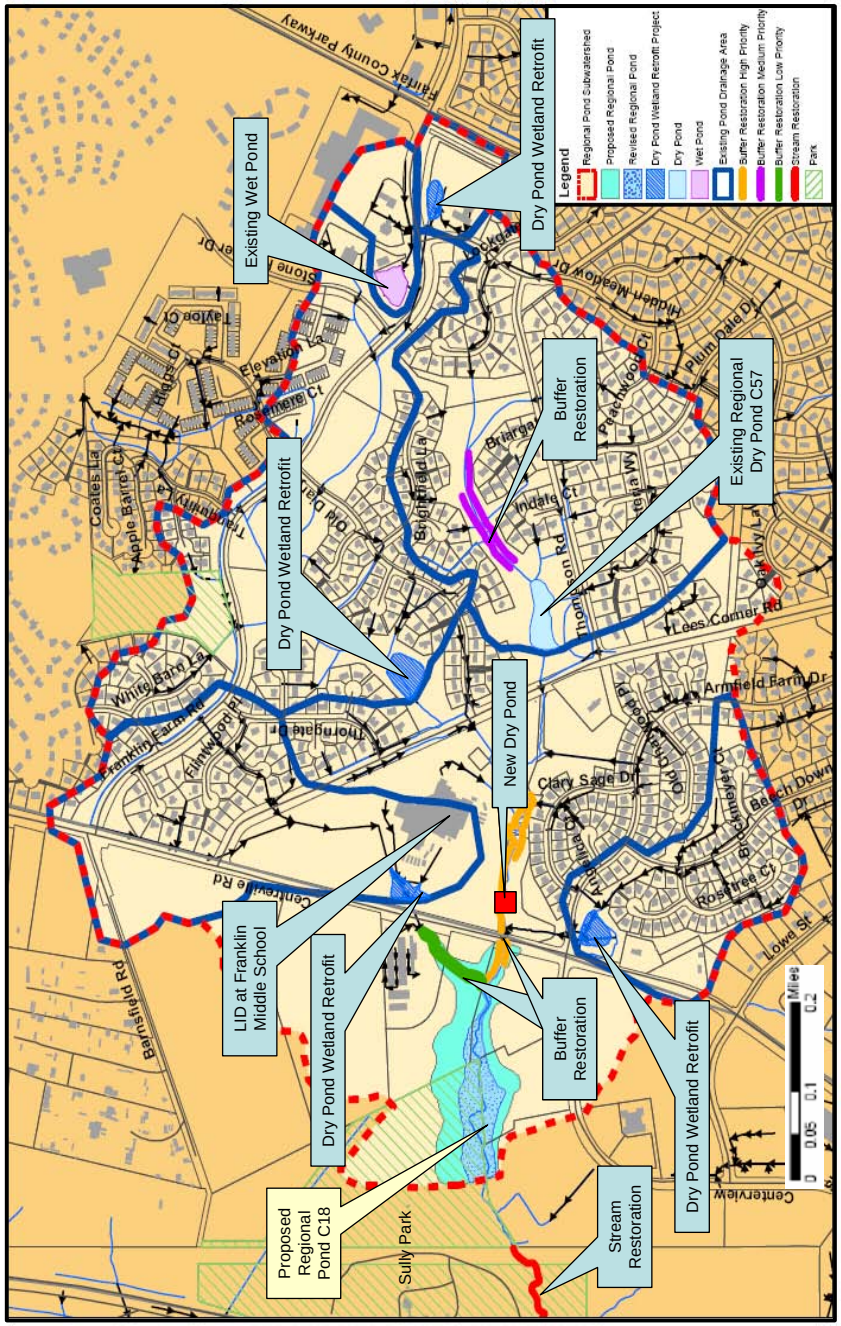


Description and costs for alternative projects are included as separate structural project fact sheets

Project ID	CU9002 - Regional Pond C18
Location	Cain Branch between Route 28 and Centreville Road Parcels 0342 01 0014, 0342 01 0001D, 0342 01 0017D
Description	Construct extended dry detention regional pond (1-year, 24 hour) with reduced storage volume and footprint at site of proposed wet pond. If construction of a dry pond at the proposed regional pond location is not possible, the next preferred alternative is to build a dry pond at an upstream location without the alternative stormwater controls. If neither pond is implemented, then construct other alternative controls.

Project Cost Estimate

Item	Qty	Units	Unit Cost	Total Cost
Dry Pond	1	Pond		$751,921
			Base Construction Cost	$751,921
			Mobilization (5%)	$37,596
			Subtotal 1	$789,517
			Contingency (25%)	$197,379
			Subtotal 2	$986,897
			Engineering design, surveys, land acquisition, utility locations, and permits (45%)	$444,104
			Total	$1,431,000
			Estimated Project Cost	$1,431,000



Proposed Regional Pond C18 or Alternative Projects

Description and costs for alternative projects are included as separate structural project fact sheets