

Cub Run and Bull Run Watershed Management Plan

Dulles International Airport

Final Plan Report Appendix C Structural Project Fact Sheets



Cub Run



Bull Run
West

prepared for

Fairfax County
Stormwater Planning
Division

Department of Public Works and Environmental Services

prepared by

Camp Dresser & McKee

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in association with: Institute for Environmental Negotiation at the University of Virginia Biohabitats, Inc.

Appendix C

Structural Project Fact Sheets

1.1 Introduction

This Appendix C provides fact sheets for each Cub Run and Bull Run structural project. A separate sheet is provided for each project that provides the project name, type, location, description and map. The fact sheets include a cost estimate prepared using guidelines developed by the Fairfax County Department of Public Works Department of Stormwater Planning as used in other watershed plans. Please refer to Sections 6 and 7 of the Cub Run Watershed Plan Report for descriptions of the procedures used to identify the project, the benefits that the project provides and details on project implementation.

1.2 Project Naming Convention

The structural projects are numbered using the following convention:

- The first two characters identify the watershed with CU indicating projects in the Cub Run and BR indicating projects in the Bull Run watershed
- The third character is 9 for all projects
- The fourth character indicates the project type:
 - 0 - Regional ponds
 - 1 - Dry pond wetland retrofit (projects CU9101 through CU9199)
 - 2 - Stream restoration
 - 3 - Buffer restoration
 - 6 - Road crossing improvement
 - 7 - Dry pond retrofit projects (Project CU9701 through CU9722)
 - 8 - LID retrofit projects
 - 9 - Other projects including dump site removal, neighborhoods without stormwater controls, upland drainage retrofit and riparian wetland studies
- The last two numbers indicate the project number. Projects are, in general, numbered sequentially starting at the lowest point in the watershed.

The following provides additional discussion on the project types.



Regional Ponds

The watershed plan includes constructing two ponds (C39 and C18) at a reduced size and scale from that originally proposed. The construction of these two ponds is included as projects CU9101 and CU9102. Stream restoration, buffer restoration, LID retrofit and dry pond retrofit projects associated with these two ponds or are alternative projects for other regional ponds are included as separate projects with separate cost accounting. This avoids double counting costs in the plan development.

Dry Pond Retrofit Projects

Fact sheets for 130 dry pond retrofit projects were prepared and are included in this appendix. This includes the nine projects in the Bull Run watershed numbered BR9101 through BR9109. The first 99 in the Cub Run watershed are included as projects CU9101 through CU9199. The remaining are numbered CU9701 through CU9722. Of these, 94 are selected as high priority projects and selected for implementation. The low priority projects are included for completeness and for potential future consideration.

Stream Restoration

Fact sheets for 22 stream restoration project numbered BR9201 and CU9201 through CU921 are included. Projects CU9202, CU9211 and CU9214 are split between two or three implementation groups and phases.

Buffer Restoration

Fact sheets for 43 buffer restoration project are presented including projects BR9301 through BR9304 in the Bull Run watershed and projects CU9301 through CU9339 in the Cub Run watershed.

Road Crossing Improvement

Fact sheets for sixteen road crossing improvements are presented as projects. These projects will not be implemented under the watershed plan and are included here for future reference. Costs are not provided for these projects. Project BR9601 through BR9603 are in the Bull Run west watershed and projects CU9601 through CU9613 are in the Cub Run watershed.

LID Retrofit at Public Facilities

Fact sheets for 26 projects to implement LID projects at public facilities are included. These include one project in the Bull Run watershed (BR9801) and projects CU9801 through CU9825 are in the Cub Run watershed.

Other Project Types

Other project types are numbered starting with BR99 and CU99.

This includes 11 dump site removal projects. These sites include locations of large debris identified through the stream inspections and through the public information



program. A cost of \$5,000 was assigned to remove the debris and place signs and/or fences to prevent future dumping.

Data sheets are provided for the headwater drainage systems and riparian wetland and stream restoration study.

1.3 Organization of Appendix C

The first part of this appendix provides tables that list the projects in various ways to ease finding projects and cross referencing the projects within implementation phase and project groupings:

- Table C-1 provides a listing of the structural projects in alphabetical/numerical order with the 5-year implementation phase and project group that includes the project.
- Table C-2 provides a listing of the structural projects grouped by implementation phase with the projects listed in alphabetical order within each phase.
- Table C-3 provides a listing of the structural projects grouped by implementation phase and implementation group with the projects within each implementation group listed in alphabetical order.

This is followed by the fact sheets for the individual structural projects provided in alphabetical order. This starts with the structural projects in the Bull Run watershed followed by those in the Cub Run watershed. Divider sheets are provided to identify breaks between the various project types.



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Table C-1
Structural Projects with Implementation Phase and Project Group

Structural Project	Project Type	Description	Phase	Group
BR9101	Dry Pond Retrofit	Hovingham Court	-	-
BR9102	Dry Pond Retrofit	Old Centreville Road and Compton Road	C	LC 3
BR9103	Dry Pond Retrofit	Compton Road & Confederate Ridge Lane Pond C49	-	-
BR9104	Dry Pond Retrofit	Flamborough Rd near Jenny Leigh Court	C	LC 3
BR9105	Dry Pond Retrofit	Cedar Loch Court	C	LC 3
BR9106	Dry Pond Retrofit	Tracy Schar Lane	C	LC 3
BR9107	Dry Pond Retrofit	Wheat Mill Way and Grainery Road	C	LC 3
BR9108	Dry Pond Retrofit	Sharps Drive	C	LC 3
BR9109	Dry Pond Retrofit	Smiths Terrace near Beckford Way	-	-
BR9201	Stream Restoration	Below quarry	D	LC 7
BR9301	Buffer Restoration	Private Property	D	LC 8
BR9302	Buffer Restoration	Private Property	D	LC 8
BR9303	Buffer Restoration	Private Property	D	LC 8
BR9304	Buffer Restoration	Fairfax National Estates	D	LC 8
BR9601	Road Crossing Improvements	Bull Run Post Office Road at unnamed tributary (easternmost of three crossings)	-	-
BR9602	Road Crossing Improvements	Bull Run Post Office Road at unnamed tributary (middle of three crossings)	-	-
BR9603	Road Crossing Improvements	Bull Run Post Office Road at unnamed tributary (westernmost of three crossings)	-	-
BR9801	LID at Public Facilities	Centreville Elementary School	C	LC 3
BR9901	Dump Site Removal	Both banks instream, Unnamed Bull Run tributary	A	Dumpsite
BR9902	Dump Site Removal	Left bank flood plain, Bull Run tributary	A	Dumpsite
CU9001	Regional Pond	Regional Pond C39 - Foxfield Lane within the Foxfield Community	A	FB 2
CU9002	Regional Pond	Regional Pond C18 - Cain Branch between Route 28 and Centreville Road	A	UC 1
CU9101	Dry Pond Retrofit	Bronze Post Road near Compton Road	-	-
CU9102	Dry Pond Retrofit	Hickory Post Court	-	-
CU9103	Dry Pond Retrofit	Between Outpost Court and I-66 (C04)	C	LC 5
CU9104	Dry Pond Retrofit	James Harris Way	E	BR 12
CU9105	Dry Pond Retrofit	Field Encampment Road and Field Flower Trail	E	BR 11



Table C-1
(continued)
Structural Projects with Implementation Phase and Project Group

Structural Project	Project Type	Description	Phase	Group
CU9106	Dry Pond Retrofit	Industrial Park at Route 29 and I-66 Interchange	E	BR 12
CU9107	Dry Pond Retrofit	Centrewood Drive and Machen Road	E	BR 11
CU9108	Dry Pond Retrofit	Federation Drive at Winding Ridge Lane	-	-
CU9109	Dry Pond Retrofit	Hoskins Hollow Circle	E	BR 11
CU9110	Dry Pond Retrofit	Old Centreville Road and Franklin Fox Drive	-	-
CU9111	Dry Pond Retrofit	Old Centreville Road and Sunset Ridge Road	E	BR 11
CU9112	Dry Pond Retrofit	Stonepath Court	E	BR 10
CU9113	Dry Pond Retrofit	Havner House Way near I-66, Route 29 Intersection	E	BR 10
CU9114	Dry Pond Retrofit	Brookmoor Lane and Woodgate Manor Circle	-	-
CU9115	Dry Pond Retrofit	Truro Parish Court	E	BR 10
CU9116	Dry Pond Retrofit	Olde Kent Road	-	-
CU9117	Dry Pond Retrofit	Between Grisby House Court and Black Horse Court	-	-
CU9118	Dry Pond Retrofit	Battery Ridge Lane	-	-
CU9119	Dry Pond Retrofit	Rocky Run Drive and Awbrey Patent Drive	E	BR 10
CU9120	Dry Pond Retrofit	Village Center Drive	-	-
CU9121	Dry Pond Retrofit	Braddock Road and Village Center Drive	E	BR 9
CU9122	Dry Pond Retrofit	Virginia Chase Drive	E	BR 10
CU9123	Dry Pond Retrofit	Filly Court	E	BR 9
CU9124	Dry Pond Retrofit	Route 28 ramp to I-66, Pickwick Road	D	BR 7
CU9125	Dry Pond Retrofit	Melton Place and Pickwick Road	D	BR 7
CU9126	Dry Pond Retrofit	Pickwick Road near Wharton Lane and Newhall Court	-	-
CU9127	Dry Pond Retrofit	Cabells Mill Drive and Ashcomb Court	D	BR 6
CU9128	Dry Pond Retrofit	Rushbrook Drive and Nanticoke Drive	D	BR 6
CU9129	Dry Pond Retrofit	High Grove Hills Lane	-	-
CU9130	Dry Pond Retrofit	Fernbrook Court	-	-
CU9131	Dry Pond Retrofit	Doyle Lane & Selby Bay Court. Regional Pond C30	-	-
CU9132	Dry Pond Retrofit	Poplar Tree Park, Melville Lane and Marble Rock Drive	C	BR 5



Table C-1
(continued)
Structural Projects with Implementation Phase and Project Group

Structural Project	Project Type	Description	Phase	Group
CU9133	Dry Pond Retrofit	Sutton Oaks Drive near Sutton Woods Court	-	-
CU9134	Dry Pond Retrofit	Point Pleasant Drive and Hazelnut Court	C	FB 7
CU9135	Dry Pond Retrofit	Point Pleasant Drive and Hazelnut Court	-	-
CU9136	Dry Pond Retrofit	Britwell Place and Maureen Lane	A	BR 1
CU9137	Dry Pond Retrofit	Near King of Kings Lutheran Church, Kings Way	-	-
CU9138	Dry Pond Retrofit	Tallow Tree Place	A	BR 1
CU9139	Dry Pond Retrofit	Trumbo Court and Monument Drive	B	BR 4
CU9140	Dry Pond Retrofit	Elm Forest Way and Lincoln Lake Way	-	-
CU9141	Dry Pond Retrofit	Timber Oak Trail and Hidden Glade Drive	-	-
CU9142	Dry Pond Retrofit	Fair Ridge Park, Meadow Field Drive	B	BR 3
CU9143	Dry Pond Retrofit	Fair Ridge Park, Rt. 50 and Fair Ridge Drive	B	BR 3
CU9144	Dry Pond Retrofit	Rt. 50 and Fair Ridge Drive, 50 West Corporate Center	B	BR 3
CU9145	Dry Pond Retrofit	Fair Ridge Drive, Fairleaf Court	B	BR 2
CU9146	Dry Pond Retrofit	Sweet Leaf Terrace and Fairleaf Court	B	BR 2
CU9147	Dry Pond Retrofit	Rydell Road	E	BR 12
CU9148	Dry Pond Retrofit	Prince Way	E	BR 12
CU9149	Dry Pond Retrofit	Stratton Major Court, Wetherburn Drive	-	-
CU9150	Dry Pond Retrofit	Lee Forest Path and Stillfield Place	B	LC 1
CU9151	Dry Pond Retrofit	Green Park Way, Basingstoke Loop (C22)	C	LC 4
CU9152	Dry Pond Retrofit	Grobie Pond Lane and Watermark Circle (C22)	C	LC 4
CU9153	Dry Pond Retrofit	Stone Range Drive	-	-
CU9154	Dry Pond Retrofit	Stone Crossing Court	E	BR 8
CU9155	Dry Pond Retrofit	Poplar Tree Road at Sully Park Drive	E	BR 8
CU9156	Dry Pond Retrofit	Lock Drive at Crenshaw Drive, Poplar Tree Road	E	BR 8
CU9157	Dry Pond Retrofit	Poplar Tree Road, Braywood Drive	E	BR 8
CU9158	Dry Pond Retrofit	Belle Plains Drive and Sequoia Farms Drive	E	BR 8
CU9159	Dry Pond Retrofit	Walney Road and Walney Park Drive	E	BR 8
CU9160	Dry Pond Retrofit	Oakengate Way	B	LC 1
CU9161	Dry Pond Retrofit	Hidden Canyon Road and Knoll View Place	B	LC 1



Table C-1
(continued)
Structural Projects with Implementation Phase and Project Group

Structural Project	Project Type	Description	Phase	Group
CU9162	Dry Pond Retrofit	Blueridge View Drive and Jordans Journey Drive	B	LC 1
CU9163	Dry Pond Retrofit	Eagle Tavern Lane	B	LC 1
CU9164	Dry Pond Retrofit	Snowhill Lane	B	LC 1
CU9165	Dry Pond Retrofit	Martins Hundred Drive	B	LC 1
CU9166	Dry Pond Retrofit	Ridings Manor Place	-	-
CU9167	Dry Pond Retrofit	Parkstone Drive, Va DMV	D	FB 11
CU9168	Dry Pond Retrofit	Harvest Court and Stoney Branch Court	-	-
CU9169	Dry Pond Retrofit	Westfields Blvd and Stonecroft Boulevard	D	FB 11
CU9170	Dry Pond Retrofit	Lee Road	D	FB 11
CU9171	Dry Pond Retrofit	Brookfield Corporate Center	D	FB 10
CU9172	Dry Pond Retrofit	Flatlick Branch Drive	C	FB 9
CU9173	Dry Pond Retrofit	Lewis Leigh Court and Walney Road	-	-
CU9174	Dry Pond Retrofit	Walney Road and Mariah Court	C	FB 9
CU9175	Dry Pond Retrofit	Penny Tree Place	C	FB 9
CU9176	Dry Pond Retrofit	Fillingame Drive Between Quitway Court and Lowry Drive	C	FB 8
CU9177	Dry Pond Retrofit	Smallwood Court	C	FB 8
CU9178	Dry Pond Retrofit	Fallen Oak Court	C	FB 8
CU9179	Dry Pond Retrofit	Hollowstone Court	-	-
CU9180	Dry Pond Retrofit	Stream Valley Drive	C	FB 8
CU9181	Dry Pond Retrofit	Rocky Run Middle School North	-	-
CU9182	Dry Pond Retrofit	Currey Lane, Chantilly Library	C	FB 7
CU9183	Dry Pond Retrofit	Leafcrest Lane	-	-
CU9184	Dry Pond Retrofit	Flatlick downstream from Route 50	B	FB 6
CU9185	Dry Pond Retrofit	Beech Down Drive	A	FB 3
CU9186	Dry Pond Retrofit	Beech Down Drive and Bellerose Drive	A	FB 3
CU9187	Dry Pond Retrofit	Hollinger Avenue and Lees Corner Road	A	FB 4
CU9188	Dry Pond Retrofit	Kernstown Court (C43)	A	FB 4
CU9189	Dry Pond Retrofit	Lees Corner Road and King Charles Drive	-	-
CU9190	Dry Pond Retrofit	Stringfellow Road near Brandy Station Road	-	-
CU9191	Dry Pond Retrofit	Spring Pond Place and Kalmia Lane	-	-
CU9192	Dry Pond Retrofit	Alder Woods Drive	B	BR 2
CU9193	Dry Pond Retrofit	Mazewood Lane	A	FB 5
CU9194	Dry Pond Retrofit	Thompson Road and Oxon Road	A	FB 5
CU9195	Dry Pond Retrofit	Fairfax County Parkway and Tuckaway Drive	A	FB 1



Table C-1
(continued)
Structural Projects with Implementation Phase and Project Group

Structural Project	Project Type	Description	Phase	Group
CU9196	Dry Pond Retrofit	Fern Hollow Place	-	-
CU9197	Dry Pond Retrofit	Ashvale Drive and Franklin Manor Court	-	-
CU9198	Dry Pond Retrofit	Applegrove Lane and Fern Hollow Place	A	FB 1
CU9199	Dry Pond Retrofit	Willow Glen Court	-	-
CU9201	Stream Restoration	Within Bull Run Regional Park south of I-66 to Bull Run Confluence	E	LC 10
CU9202	Stream Restoration	Between Compton Road and Route 66	D	LC 6
			E	LC 10
CU9203	Stream Restoration	Upstream from Cub Run Confluence and downstream from Route 29.	E	BR 12
CU9204	Stream Restoration	The Meadows and Centre Ridge - upstream from I-66	E	BR 11
CU9205	Stream Restoration	Below Awbrey Patent Drive and upstream from Route 29.	E	BR 10
CU9206	Stream Restoration	Below Braddock Road	E	BR 10
CU9207	Stream Restoration	Between Route 28 and Braddock Road	E	BR 9
CU9208	Stream Restoration	Fair Lakes	B	BR 4
CU9209	Stream Restoration	Oaks Chase near Timber Oaks Trail	B	BR 3
CU9210	Stream Restoration	Upstream and downstream from Ox Hill Road. Upstream from Route 50.	B	BR 2
CU9211	Stream Restoration	Middle Cub Run main stem and selected tributaries - from Flatlick Branch to just below Route 29.	B	LC 1
			C	LC 4
			E	LC 9
CU9212	Stream Restoration	Upstream from Sully Park Drive	E	BR 8
CU9213	Stream Restoration	Upstream and downstream from Stonecroft Boulevard	D	FB 10
CU9214	Stream Restoration	Between Route 50 and Route 28	B	FB 6
			D	FB 10
CU9215	Stream Restoration	Upstream from Alder Woods Drive Fair Oaks Estates	B	BR 2



Table C-1
(continued)
Structural Projects with Implementation Phase and Project Group

Structural Project	Project Type	Description	Phase	Group
CU9216	Stream Restoration	Franklin Glen	A	FB 2
CU9217	Stream Restoration	Downstream from Oxon Road to existing lake.	A	FB 1
CU9218	Stream Restoration	Cub Run including lower reaches of two tributaries near Pleasant Valley.	A	UC 2
CU9219	Stream Restoration	Upstream from Route 50. Upstream and downstream from Avion Parkway.	D	UC 5
CU9220	Stream Restoration	Upstream from Route 28 and downstream from Centreville Road	A	UC 1
CU9221	Stream Restoration	Upstream from Stonecroft Boulevard.	D	UC 5
CU9301	Buffer Restoration	FCPA Parkland downstream from Big Rocky Run near Route 66 and Gate Post Estates	E	BR 12
CU9302	Buffer Restoration	Partially in FCPA parkland upstream from I-66. Centre Ridge	C	LC 5
CU9303	Buffer Restoration	FCPA parkland and VDOT ROW I-66 / Route 28 interchange	E	BR 10
CU9304	Buffer Restoration	FCPA parkland upstream and downstream from Awbrey Patent Drive	E	BR 10
CU9305	Buffer Restoration	FCPA parkland downstream from Braddock Road	E	BR 10
CU9306	Buffer Restoration	Private property upstream from Braddock Road crossing Cedar Break Drive within Sequoia Farms	E	BR 9
CU9307	Buffer Restoration	Partially in FCPA parkland Ellicott Court downstream from Northbourne Drive	D	BR 6
CU9308	Buffer Restoration	Partially in FCPA parkland downstream from Veronica Road - upstream from regional pond C30	D	BR 6
CU9309	Buffer Restoration	FCPA parkland upstream from Northbourne Drive and downstream from Stringfellow Road	C	BR 5
CU9310	Buffer Restoration	FCPA parkland downstream from Stringfellow Road	C	BR 5
CU9311	Buffer Restoration	FCPA parkland downstream from Point Pleasant Drive	C	FB 7
CU9312	Buffer Restoration	FCPA parkland downstream from Stringfellow Road and Point Pleasant Drive	C	FB 7



Table C-1
(continued)
Structural Projects with Implementation Phase and Project Group

Structural Project	Project Type	Description	Phase	Group
CU9313	Buffer Restoration	FCPA parkland upstream from Stringfellow Road near Greenbriar	A	BR 1
CU9314	Buffer Restoration	FCPA parkland downstream from Melville Lane	A	BR 1
CU9315	Buffer Restoration	FCPA parkland downstream from Middle Ridge Drive	A	BR 1
CU9316	Buffer Restoration	Partially in FCPA parkland in Virginia Run - Downstream from Pleasant Valley Rd.	B	LC 1
CU9317	Buffer Restoration	FCPA parkland upstream from Braddock Road	D	FB 10
CU9318	Buffer Restoration	FCPA Parkland at Lees Corner Road	B	FB 6
CU9319	Buffer Restoration	FCPA Parkland downstream from Stringfellow Road	C	FB 8
CU9320	Buffer Restoration	Private property upstream from Route 50 and downstream from Lees Corner Road	A	FB 3
CU9321	Buffer Restoration	FCPA parkland downstream from Stringfellow Road near Brandy Station Road.	A	FB 4
CU9322	Buffer Restoration	Downstream from Stringfellow Road	A	FB 4
CU9323	Buffer Restoration	Private property downstream from Fairfax County Parkway near Freehill Lane	B	BR 2
CU9324	Buffer Restoration	Private property upstream from Lees Corner Road	A	FB 4
CU9325	Buffer Restoration	Private property downstream from Fairfax County Parkway	A	FB 5
CU9326	Buffer Restoration	Private property adjacent to Fairfax County Parkway upstream from Tuckaway Drive	A	FB 1
CU9327	Buffer Restoration	Private property upstream from Fairfax County Parkway and downstream from Thompson Road	A	FB 1
CU9328	Buffer Restoration	Private property upstream from Thompson Road	A	FB 1
CU9329	Buffer Restoration	Private property within Franklin Manor near Rose Grove Drive	A	FB 1
CU9330	Buffer Restoration	FCPA parkland near Pleasant Valley Road north of Ellick Run	C	UC 4
CU9331	Buffer Restoration	FCPA parkland adjacent to Pleasant Valley Road south of Ellick Run	C	UC 4



Table C-1
(continued)
Structural Projects with Implementation Phase and Project Group

Structural Project	Project Type	Description	Phase	Group
CU9332	Buffer Restoration	FCPA parkland at Old Lee Road	B	UC 3
CU9333	Buffer Restoration	FCPA parkland upstream from Cub Run and downstream from Stonecroft Boulevard	A	UC 2
CU9334	Buffer Restoration	Private property downstream from Centreville Road	A	UC 1
CU9335	Buffer Restoration	Private property upstream from Centreville Road and downstream from Lees Corner Road	A	UC 1
CU9336	Buffer Restoration	Private property upstream from Lees Corner Road	A	UC 1
CU9337	Buffer Restoration	Pleasant Valley neighborhood - Half of project is in FCPA parkland	A	UC 2
CU9338	Buffer Restoration	Private property at Stonecroft Boulevard	D	UC 5
CU9339	Buffer Restoration	Private property upstream from Stonecroft Boulevard	D	UC 5
CU9601	Road Crossing Improvements	Compton Road at unnamed tributary near UOSA advanced wastewater treatment plant	-	-
CU9602	Road Crossing Improvements	Compton Road at unnamed tributary near Confederate Ridge Lane	-	-
CU9603	Road Crossing Improvements	Compton Road at unnamed tributary east of Bull Run Post Office Road	-	-
CU9604	Road Crossing Improvements	Compton Road at unnamed tributary west of Route 66	-	-
CU9605	Road Crossing Improvements	Awbrey Patent Drive at Big Rocky Run	-	-
CU9606	Road Crossing Improvements	Heron Drive at unnamed tributary between Cabells Mill Drive and Walney Road	-	-
CU9607	Road Crossing Improvements	Big Rocky Run at Stringfellow Road	-	-
CU9608	Road Crossing Improvements	Dorforth Drive at unnamed tributary - (aerial photography suggests that this crossing has been abandoned.	-	-
CU9609	Road Crossing Improvements	Flatlick Branch at Walney Road	-	-
CU9610	Road Crossing Improvements	Birch Drive at unnamed tributary to Flatlick Branch	-	-



Table C-1
(continued)
Structural Projects with Implementation Phase and Project Group

Structural Project	Project Type	Description	Phase	Group
CU9611	Road Crossing Improvements	Cub Run at Braddock Road and Old Lee Road	-	-
CU9612	Road Crossing Improvements	Pleasant Valley Road at unnamed tributary near Blue Spring Drive	-	-
CU9613	Road Crossing Improvements	Cain Branch at Lees Corner Road	-	-
CU9701	Dry Pond Retrofit	Rose Grove Drive	A	FB 1
CU9702	Dry Pond Retrofit	Autumn Crest Drive and Pond Mist Way	A	FB 1
CU9703	Dry Pond Retrofit	Oxon Road and Oakton Chase Way	A	FB 1
CU9704	Dry Pond Retrofit	Camberley Forest Drive and Wilbury Road	A	FB 1
CU9705	Dry Pond Retrofit	Kentwell Circle	C	UC 4
CU9706	Dry Pond Retrofit	Flint Lee Business Center, Stonecroft Rd.	D	UC 5
CU9707	Dry Pond Retrofit	Lee Road and Willard Road	D	UC 5
CU9708	Dry Pond Retrofit	Walney Road and Vernon Street	-	-
CU9709	Dry Pond Retrofit	Sully Plaza, Rt 50 and Centreville Road	A	FB 3
CU9710	Dry Pond Retrofit	Westfax Industrial Park, Rt 50 and Westfax Dr	D	UC 5
CU9711	Dry Pond Retrofit	Franklin Middle School, Centreville Road	A	UC 1
CU9712	Dry Pond Retrofit	Centreville Road and Armfield Farm Drive	A	UC 1
CU9713	Dry Pond Retrofit	Lees Corner Road and Old Dairy Road	A	UC 1
CU9714	Dry Pond Retrofit	Franklin Farm Road and Hidden Meadow Circle	A	UC 1
CU9715	Dry Pond Retrofit	Pleasant Valley Rd, Silas Hutchinson Dr	A	UC 2
CU9716	Dry Pond Retrofit	Technology Court and Lafayette Center Dr	A	UC 2
CU9717	Dry Pond Retrofit	Driving Training Center, Stonecroft Blvd	D	UC 5
CU9718	Dry Pond Retrofit	Avion Parkway and Virginia Mallory Drive	D	UC 5
CU9719	Dry Pond Retrofit	Lafayette Business Center, Lafayette Center Drive	A	UC 2
CU9720	Dry Pond Retrofit	Stonecroft Blvd. and Thompson Road	D	UC 5
CU9721	Dry Pond Retrofit	Dulles International Center, Eds Drive	A	UC 1
CU9722	Dry Pond Retrofit	Dulles Gateway Center Renaissance Park	A	UC 1



Table C-1
(continued)
Structural Projects with Implementation Phase and Project Group

Structural Project	Project Type	Description	Phase	Group
CU9801	LID at Public Facilities	Bull Run Elementary School	D	LC 6
CU9802	LID at Public Facilities	Centre Ridge Elementary School	C	LC 5
CU9803	LID at Public Facilities	London Towne Elementary School	E	BR 10
CU9804	LID at Public Facilities	Centreville Library	E	BR 11
CU9805	LID at Public Facilities	Ellanor C. Lawrence Playing Field Parking Lot	E	BR 9
CU9806	LID at Public Facilities	Cabells Mill Parking Area	D	BR 6
CU9807	LID at Public Facilities	Stringfellow Road Commuter Lot	D	BR 6
CU9808	LID at Public Facilities	Poplar Tree Park Playing Fields Parking Lot	C	BR 5
CU9809	LID at Public Facilities	Poplar Tree Elementary School	C	BR 5
CU9810	LID at Public Facilities	Rocky Run Middle School	C	FB 7
CU9811	LID at Public Facilities	Greenbriar East Elementary School	A	BR 1
CU9812	LID at Public Facilities	Stone Middle School	B	LC 2
CU9813	LID at Public Facilities	Deer Park Elementary School	B	LC 2
CU9814	LID at Public Facilities	Virginia Run Elementary School	B	LC 1
CU9815	LID at Public Facilities	Cub Run Elementary School	B	LC 2
CU9816	LID at Public Facilities	Sully District Supervisor's Office	D	FB 11
CU9817	LID at Public Facilities	Chantilly Library	C	FB 7
CU9818	LID at Public Facilities	Chantilly High School	C	FB 7
CU9819	LID at Public Facilities	Greenbriar West Elementary School	C	FB 7
CU9820	LID at Public Facilities	Brookfield Elementary School	B	FB 6



Table C-1
(continued)
Structural Projects with Implementation Phase and Project Group

Structural Project	Project Type	Description	Phase	Group
CU9821	LID at Public Facilities	Lees Corner Elementary School	A	FB 4
CU9822	LID at Public Facilities	Navy Elementary School	B	BR 2
CU9823	LID at Public Facilities	Westfield High School	B	UC 3
CU9824	LID at Public Facilities	Cub Run Recreation Center	B	UC 3
CU9825	LID at Public Facilities	Franklin Middle School	A	UC 1
CU9901	Dump Site Removal	Left bank flood plain, Lower Cub Run, Bull Run Regional Park.	A	Dumpsite
CU9902	Dump Site Removal	Left Bank flood plain, Lower Cub Run, Bull Run Regional Park	A	Dumpsite
CU9903	Dump Site Removal	Left Bank instream, Tributary to Lower Cub Run	A	Dumpsite
CU9904	Dump Site Removal	Left Bank flood plain, Big Rocky Run	A	Dumpsite
CU9905	Dump Site Removal	Left bank flood plain, Big Rocky Run downstream from Route 50	A	Dumpsite
CU9906	Dump Site Removal	Both banks flood plain, Flatlick Branch at Walney Road	A	Dumpsite
CU9907	Dump Site Removal	Both banks instream, Frog Branch near Stringfellow Road	A	Dumpsite
CU9908	Dump Site Removal	Both banks instream. Ellick Run within FCPA Parkland	A	Dumpsite
CU9909	Dump Site Removal	Left Bank, Cub Run and Schneider Branch off Stonecroft Boulevard.	A	Dumpsite
CU9910	Neighborhoods Without Stormwater Controls	Country Club Manor	B	LC 2
CU9911	Neighborhoods Without Stormwater Controls	Greenbriar and Birch Pond	A	BR 1
CU9912	Neighborhoods Without Stormwater Controls	Brookfield	B	FB 6



Table C-1
(continued)
Structural Projects with Implementation Phase and Project Group

Structural Project	Project Type	Description	Phase	Group
CU9913	Neighborhoods Without Stormwater Controls	Pleasant Valley	A	UC 2
CU9914	Headwater Drainage Systems	Headwater areas of watershed	A	Phase A
CU9914	Headwater Drainage Systems	Headwater areas of watershed	B	Phase B
CU9914	Headwater Drainage Systems	Headwater areas of watershed	C	Phase C
CU9914	Headwater Drainage Systems	Headwater areas of watershed	D	Phase D
CU9914	Headwater Drainage Systems	Headwater areas of watershed	E	Phase E
CU9915	Riparian Wetland and Stream Study	Perform study to identify riparian wetland and stream restoration areas	A	Phase A



Table C-2
Summary of Projects Within Each Implementation Phase

Phase	Structural Project	Project Type	Description
A	BR9901	Dump Site Removal	Both banks instream, Unnamed Bull Run tributary
A	BR9902	Dump Site Removal	Left bank flood plain, Bull Run tributary
A	CU9001	Regional Pond	Regional Pond C39 - Foxfield Lane within the Foxfield Community
A	CU9002	Regional Pond	Regional Pond C18 - Cain Branch between Route 28 and Centreville Road
A	CU9136	Dry Pond Retrofit	Britwell Place and Maureen Lane
A	CU9138	Dry Pond Retrofit	Tallow Tree Place
A	CU9185	Dry Pond Retrofit	Beech Down Drive
A	CU9186	Dry Pond Retrofit	Beech Down Drive and Bellerose Drive
A	CU9187	Dry Pond Retrofit	Hollinger Avenue and Lees Corner Road
A	CU9188	Dry Pond Retrofit	Kernstown Court (C43)
A	CU9193	Dry Pond Retrofit	Mazewood Lane
A	CU9194	Dry Pond Retrofit	Thompson Road and Oxon Road
A	CU9195	Dry Pond Retrofit	Fairfax County Parkway and Tuckaway Drive
A	CU9198	Dry Pond Retrofit	Applegrove Lane and Fern Hollow Place
A	CU9216	Stream Restoration	Franklin Glen
A	CU9217	Stream Restoration	Downstream from Oxon Road to existing lake.
A	CU9218	Stream Restoration	Cub Run including lower reaches of two tributaries near Pleasant Valley.
A	CU9220	Stream Restoration	Upstream from Route 28 and downstream from Centreville Road.
A	CU9313	Buffer Restoration	FCPA parkland upstream from Stringfellow Road near Greenbriar
A	CU9314	Buffer Restoration	FCPA parkland downstream from Melville Lane
A	CU9315	Buffer Restoration	FCPA parkland downstream from Middle Ridge Drive
A	CU9320	Buffer Restoration	Private property upstream from Route 50 and downstream from Lees Corner Road
A	CU9321	Buffer Restoration	FCPA parkland downstream from Stringfellow Road near Brandy Station Road.
A	CU9322	Buffer Restoration	Downstream from Stringfellow Road
A	CU9324	Buffer Restoration	Private property upstream from Lees Corner Road
A	CU9325	Buffer Restoration	Private property downstream from Fairfax County Parkway
A	CU9326	Buffer Restoration	Private property adjacent to Fairfax County Parkway upstream from Tuckaway Drive
A	CU9327	Buffer Restoration	Private property upstream from Fairfax County Parkway and downstream from Thompson Road
A	CU9328	Buffer Restoration	Private property upstream from Thompson Road



Table C-2
(continued)
Summary of Projects Within Each Implementation Phase

Phase	Structural Project	Project Type	Description
A	CU9329	Buffer Restoration	Private property within Franklin Manor near Rose Grove Drive
A	CU9333	Buffer Restoration	FCPA parkland upstream from Cub Run and downstream from Stonecroft Boulevard
A	CU9334	Buffer Restoration	Private property downstream from Centreville Road
A	CU9335	Buffer Restoration	Private property upstream from Centreville Road and downstream from Lees Corner Road
A	CU9336	Buffer Restoration	Private property upstream from Lees Corner Road
A	CU9337	Buffer Restoration	Pleasant Valley neighborhood - Half of project is in FCPA parkland
A	CU9701	Dry Pond Retrofit	Rose Grove Drive
A	CU9702	Dry Pond Retrofit	Autumn Crest Drive and Pond Mist Way
A	CU9703	Dry Pond Retrofit	Oxon Road and Oakton Chase Way
A	CU9704	Dry Pond Retrofit	Camberley Forest Drive and Wilbury Road
A	CU9709	Dry Pond Retrofit	Sully Plaza, Rt 50 and Centreville Road
A	CU9711	Dry Pond Retrofit	Franklin Middle School, Centreville Road
A	CU9712	Dry Pond Retrofit	Centreville Road and Armfield Farm Drive
A	CU9713	Dry Pond Retrofit	Lees Corner Road and Old Dairy Road
A	CU9714	Dry Pond Retrofit	Franklin Farm Road and Hidden Meadow Circle
A	CU9715	Dry Pond Retrofit	Pleasant Valley Rd, Silas Hutchinson Dr
A	CU9716	Dry Pond Retrofit	Technology Court and Lafayette Center Dr
A	CU9719	Dry Pond Retrofit	Lafayette Business Center, Lafayette Center Drive
A	CU9721	Dry Pond Retrofit	Dulles International Center, Eds Drive
A	CU9722	Dry Pond Retrofit	Dulles Gateway Center Renaissance Park
A	CU9811	LID at Public Facilities	Greenbriar East Elementary School
A	CU9821	LID at Public Facilities	Lees Corner Elementary School
A	CU9825	LID at Public Facilities	Franklin Middle School
A	CU9901	Dump Site Removal	Left bank flood plain, Lower Cub Run, Bull Run Regional Park.
A	CU9902	Dump Site Removal	Left Bank flood plain, Lower Cub Run, Bull Run Regional Park
A	CU9903	Dump Site Removal	Left Bank instream, Tributary to Lower Cub Run
A	CU9904	Dump Site Removal	Left Bank flood plain, Big Rocky Run
A	CU9905	Dump Site Removal	Left bank flood plain, Big Rocky Run downstream from Route 50
A	CU9906	Dump Site Removal	Both banks flood plain, Flatlick Branch at Walney Road



Table C-2
(continued)
Summary of Projects Within Each Implementation Phase

Phase	Structural Project	Project Type	Description
A	CU9907	Dump Site Removal	Both banks instream, Frog Branch near Stringfellow Road
A	CU9908	Dump Site Removal	Both banks instream. Elclick Run within FCPA Parkland
A	CU9909	Dump Site Removal	Left Bank, Cub Run and Schneider Branch off Stonecroft Boulevard.
A	CU9911	Neighborhoods Without Stormwater Controls	Greenbriar and Birch Pond
A	CU9913	Neighborhoods Without Stormwater Controls	Pleasant Valley
A	CU9914	Headwater Drainage Systems	Headwater areas of watershed
A	CU9915	Riparian Wetland and Stream Study	Perform study to identify riparian wetland and stream restoration areas
B	CU9139	Dry Pond Retrofit	Trumbo Court and Monument Drive
B	CU9142	Dry Pond Retrofit	Fair Ridge Park, Meadow Field Drive
B	CU9143	Dry Pond Retrofit	Fair Ridge Park, Rt. 50 and Fair Ridge Drive
B	CU9144	Dry Pond Retrofit	Rt. 50 and Fair Ridge Drive, 50 West Corporate Center
B	CU9145	Dry Pond Retrofit	Fair Ridge Drive, Fairleaf Court
B	CU9146	Dry Pond Retrofit	Sweet Leaf Terrace and Fairleaf Court
B	CU9150	Dry Pond Retrofit	Lee Forest Path and Stillfield Place
B	CU9160	Dry Pond Retrofit	Oakengate Way
B	CU9161	Dry Pond Retrofit	Hidden Canyon Road and Knoll View Place
B	CU9162	Dry Pond Retrofit	Blueridge View Drive and Jordans Journey Drive
B	CU9163	Dry Pond Retrofit	Eagle Tavern Lane
B	CU9164	Dry Pond Retrofit	Snowhill Lane
B	CU9165	Dry Pond Retrofit	Martins Hundred Drive
B	CU9184	Dry Pond Retrofit	Flatlick downstream from Route 50
B	CU9192	Dry Pond Retrofit	Alder Woods Drive
B	CU9208	Stream Restoration	Fair Lakes
B	CU9209	Stream Restoration	Oaks Chase near Timber Oaks Trail
B	CU9210	Stream Restoration	Upstream and downstream from Ox Hill Road. Upstream from Route 50.
B	CU9211	Stream Restoration	Middle Cub Run main stem and selected tributaries - from Flatlick Branch to just below Route 29. Part 1.



Table C-2
(continued)
Summary of Projects Within Each Implementation Phase

Phase	Structural Project	Project Type	Description
B	CU9214	Stream Restoration	Between Route 50 and Route 28. Part 1.
B	CU9215	Stream Restoration	Upstream from Alder Woods Drive Fair Oaks Estates
B	CU9316	Buffer Restoration	Partially in FCPA parkland in Virginia Run - Downstream from Pleasant Valley Rd.
B	CU9318	Buffer Restoration	FCPA Parkland at Lees Corner Road
B	CU9323	Buffer Restoration	Private property downstream from Fairfax County Parkway near Freehill Lane
B	CU9332	Buffer Restoration	FCPA parkland at Old Lee Road
B	CU9812	LID at Public Facilities	Stone Middle School
B	CU9813	LID at Public Facilities	Deer Park Elementary School
B	CU9814	LID at Public Facilities	Virginia Run Elementary School
B	CU9815	LID at Public Facilities	Cub Run Elementary School
B	CU9820	LID at Public Facilities	Brookfield Elementary School
B	CU9822	LID at Public Facilities	Navy Elementary School
B	CU9823	LID at Public Facilities	Westfield High School
B	CU9824	LID at Public Facilities	Cub Run Recreation Center
B	CU9910	Neighborhoods Without Stormwater Controls	Country Club Manor
B	CU9912	Neighborhoods Without Stormwater Controls	Brookfield
B	CU9914	Headwater Drainage Systems	Headwater areas of watershed
C	BR9102	Dry Pond Retrofit	Old Centreville Road and Compton Road
C	BR9104	Dry Pond Retrofit	Flamborough Rd near Jenny Leigh Court
C	BR9105	Dry Pond Retrofit	Cedar Loch Court
C	BR9106	Dry Pond Retrofit	Tracy Schar Lane
C	BR9107	Dry Pond Retrofit	Wheat Mill Way and Grainery Road
C	BR9108	Dry Pond Retrofit	Sharps Drive



Table C-2
(continued)
Summary of Projects Within Each Implementation Phase

Phase	Structural Project	Project Type	Description
C	BR9801	LID at Public Facilities	Centreville Elementary School
C	CU9103	Dry Pond Retrofit	Between Outpost Court and I-66 (C04)
C	CU9132	Dry Pond Retrofit	Poplar Tree Park, Melville Ln and Marble Rock Drive
C	CU9134	Dry Pond Retrofit	Point Pleasant Drive and Hazelnut Court
C	CU9151	Dry Pond Retrofit	Green Park Way, Basingstoke Loop (C22)
C	CU9152	Dry Pond Retrofit	Grobie Pond Lane and Watermark Circle (C22)
C	CU9172	Dry Pond Retrofit	Flatlick Branch Drive
C	CU9174	Dry Pond Retrofit	Walney Road and Mariah Court
C	CU9175	Dry Pond Retrofit	Penny Tree Place
C	CU9176	Dry Pond Retrofit	Fillingame Drive Between Quitway Court and Lowry Drive
C	CU9177	Dry Pond Retrofit	Smallwood Court
C	CU9178	Dry Pond Retrofit	Fallen Oak Court
C	CU9180	Dry Pond Retrofit	Stream Valley Drive
C	CU9182	Dry Pond Retrofit	Currey Lane, Chantilly Library
C	CU9211	Stream Restoration	Middle Cub Run main stem and selected tributaries - from Flatlick Branch to just below Route 29. Part 2.
C	CU9302	Buffer Restoration	Partially in FCPA parkland upstream from I-66. Centre Ridge
C	CU9309	Buffer Restoration	FCPA parkland upstream from Northbourne Drive and downstream from Stringfellow Road
C	CU9310	Buffer Restoration	FCPA parkland downstream from Stringfellow Road
C	CU9311	Buffer Restoration	FCPA parkland downstream from Point Pleasant Drive
C	CU9312	Buffer Restoration	FCPA parkland downstream from Stringfellow Road and Point Pleasant Drive
C	CU9319	Buffer Restoration	FCPA Parkland downstream from Stringfellow Road
C	CU9330	Buffer Restoration	FCPA parkland near Pleasant Valley Road north of Elklick Run
C	CU9331	Buffer Restoration	FCPA parkland adjacent to Pleasant Valley Road south of Elklick Run
C	CU9705	Dry Pond Retrofit	Kentwell Circle
C	CU9802	LID at Public Facilities	Centre Ridge Elementary School
C	CU9808	LID at Public Facilities	Poplar Tree Park Playing Fields Parking Lot
C	CU9809	LID at Public Facilities	Poplar Tree Elementary School
C	CU9810	LID at Public Facilities	Rocky Run Middle School
C	CU9817	LID at Public Facilities	Chantilly Library



Table C-2
(continued)
Summary of Projects Within Each Implementation Phase

Phase	Structural Project	Project Type	Description
C	CU9818	LID at Public Facilities	Chantilly High School
C	CU9819	LID at Public Facilities	Greenbriar West Elementary School
C	CU9914	Headwater Drainage Systems	Headwater areas of watershed
D	BR9201	Stream Restoration	Below quarry
D	BR9301	Buffer Restoration	Private Property
D	BR9302	Buffer Restoration	Private Property
D	BR9303	Buffer Restoration	Private Property
D	BR9304	Buffer Restoration	Fairfax National Estates
D	CU9124	Dry Pond Retrofit	Route 28 ramp to I-66, Pickwick Road
D	CU9125	Dry Pond Retrofit	Melton Place and Pickwick Road
D	CU9127	Dry Pond Retrofit	Cabells Mill Drive and Ashcomb Court
D	CU9128	Dry Pond Retrofit	Rushbrook Drive and Nanticoke Drive
D	CU9167	Dry Pond Retrofit	Parkstone Drive, Va DMV
D	CU9169	Dry Pond Retrofit	Westfields Blvd and Stonecroft Boulevard
D	CU9170	Dry Pond Retrofit	Lee Road
D	CU9171	Dry Pond Retrofit	Brookfield Corporate Center
D	CU9202	Stream Restoration	Between Compton Road and Route 66. Part 1.
D	CU9213	Stream Restoration	Upstream and downstream from Stonecroft Boulevard
D	CU9214	Stream Restoration	Between Route 50 and Route 28. Part 2.
D	CU9219	Stream Restoration	Upstream from Route 50. Upstream and downstream from Avion Parkway.
D	CU9221	Stream Restoration	Upstream from Stonecroft Boulevard.
D	CU9307	Buffer Restoration	Partially in FCPA parkland Ellicott Court downstream from Northbourne Drive
D	CU9308	Buffer Restoration	Partially in FCPA parkland downstream from Veronica Road - upstream from regional pond C30
D	CU9317	Buffer Restoration	FCPA parkland upstream from Braddock Road
D	CU9338	Buffer Restoration	Private property at Stonecroft Boulevard
D	CU9339	Buffer Restoration	Private property upstream from Stonecroft Boulevard
D	CU9706	Dry Pond Retrofit	Flint Lee Business Center, Stonecroft Rd.
D	CU9707	Dry Pond Retrofit	Lee Road and Willard Road
D	CU9710	Dry Pond Retrofit	Westfax Industrial Park, Rt 50 and Westfax Dr
D	CU9717	Dry Pond Retrofit	Driving Training Center, Stonecroft Blvd
D	CU9718	Dry Pond Retrofit	Avion Parkway and Virginia Mallory Drive



Table C-2
(continued)
Summary of Projects Within Each Implementation Phase

Phase	Structural Project	Project Type	Description
D	CU9720	Dry Pond Retrofit	Stonecroft Blvd. and Thompson Road
D	CU9801	LID at Public Facilities	Bull Run Elementary School
D	CU9806	LID at Public Facilities	Cabells Mill Parking Area
D	CU9807	LID at Public Facilities	Stringfellow Road Commuter Lot
D	CU9816	LID at Public Facilities	Sully District Supervisor's Office
D	CU9914	Headwater Drainage Systems	Headwater areas of watershed
E	CU9104	Dry Pond Retrofit	James Harris Way
E	CU9105	Dry Pond Retrofit	Field Encampment Road and Field Flower Trail
E	CU9106	Dry Pond Retrofit	Industrial Park at Route 29 and I-66 Interchange
E	CU9107	Dry Pond Retrofit	Centrewood Drive and Machen Road
E	CU9109	Dry Pond Retrofit	Hoskins Hollow Circle
E	CU9111	Dry Pond Retrofit	Old Centreville Road and Sunset Ridge Road
E	CU9112	Dry Pond Retrofit	Stonepath Court
E	CU9113	Dry Pond Retrofit	Havner House Way near I-66, Route 29 Intersection
E	CU9115	Dry Pond Retrofit	Truro Parish Court
E	CU9119	Dry Pond Retrofit	Rocky Run Drive and Awbrey Patent Drive
E	CU9121	Dry Pond Retrofit	Braddock Road and Village Center Drive
E	CU9122	Dry Pond Retrofit	Virginia Chase Drive
E	CU9123	Dry Pond Retrofit	Filly Court
E	CU9147	Dry Pond Retrofit	Rydell Road
E	CU9148	Dry Pond Retrofit	Prince Way
E	CU9154	Dry Pond Retrofit	Stone Crossing Court
E	CU9155	Dry Pond Retrofit	Poplar Tree Road at Sully Park Drive
E	CU9156	Dry Pond Retrofit	Lock Drive at Crenshaw Drive, Poplar Tree Road
E	CU9157	Dry Pond Retrofit	Poplar Tree Road, Braywood Drive
E	CU9158	Dry Pond Retrofit	Belle Plains Drive and Sequoia Farms Drive
E	CU9159	Dry Pond Retrofit	Walney Road and Walney Park Drive
E	CU9201	Stream Restoration	Within Bull Run Regional Park south of I-66 to Bull Run Confluence
E	CU9202	Stream Restoration	Between Compton Road and Route 66. Part 2.
E	CU9203	Stream Restoration	Upstream from Cub Run Confluence and downstream from Route 29.
E	CU9204	Stream Restoration	The Meadows and Centre Ridge -upstream from I-66
E	CU9205	Stream Restoration	Below Awbrey Patent Drive and upstream from Route 29.



Table C-2
(continued)
Summary of Projects Within Each Implementation Phase

Phase	Structural Project	Project Type	Description
E	CU9206	Stream Restoration	Below Braddock Road
E	CU9207	Stream Restoration	Between Route 28 and Braddock Road
E	CU9211	Stream Restoration	Middle Cub Run main stem and selected tributaries - from Flatlick Branch to just below Route 29. Part 3.
E	CU9212	Stream Restoration	Upstream from Sully Park Drive
E	CU9301	Buffer Restoration	FCCA Parkland downstream from Big Rocky Run near Route 66 and Gate Post Estates
E	CU9303	Buffer Restoration	FCCA parkland and VDOT ROW I-66 / Route 28 interchange
E	CU9304	Buffer Restoration	FCCA parkland upstream and downstream from Awbrey Patent Drive
E	CU9305	Buffer Restoration	FCCA parkland downstream from Braddock Road
E	CU9306	Buffer Restoration	Private property upstream from Braddock Road crossing Cedar Break Drive within Sequoia Farms
E	CU9803	LID at Public Facilities	London Towne Elementary School
E	CU9804	LID at Public Facilities	Centreville Library
E	CU9805	LID at Public Facilities	Ellenor C. Lawrence Playing Field Parking Lot
E	CU9914	Headwater Drainage Systems	Headwater areas of watershed



Table C-3
Summary of Structural Projects By Phase and Group

Phase	Group	Structural Project	Project Type	Description
A	BR 1	CU9136	Dry Pond Retrofit	Britwell Place and Maureen Lane
A	BR 1	CU9138	Dry Pond Retrofit	Tallow Tree Place
A	BR 1	CU9313	Buffer Restoration	FCPA parkland upstream from Stringfellow Road near Greenbriar
A	BR 1	CU9314	Buffer Restoration	FCPA parkland downstream from Melville Lane
A	BR 1	CU9315	Buffer Restoration	FCPA parkland downstream from Middle Ridge Drive
A	BR 1	CU9811	LID at Public Facilities	Greenbriar East Elementary School
A	BR 1	CU9911	Neighborhoods Without Stormwater Controls	Greenbriar and Birch Pond
A	FB 1	CU9195	Dry Pond Retrofit	Fairfax County Parkway and Tuckaway Drive
A	FB 1	CU9198	Dry Pond Retrofit	Applegrove Lane and Fern Hollow Place
A	FB 1	CU9217	Stream Restoration	Downstream from Oxon Road to existing lake.
A	FB 1	CU9326	Buffer Restoration	Private property adjacent to Fairfax County Parkway upstream from Tuckaway Drive
A	FB 1	CU9327	Buffer Restoration	Private property upstream from Fairfax County Parkway and downstream from Thompson Road
A	FB 1	CU9328	Buffer Restoration	Private property upstream from Thompson Road
A	FB 1	CU9329	Buffer Restoration	Private property within Franklin Manor near Rose Grove Drive
A	FB 1	CU9701	Dry Pond Retrofit	Rose Grove Drive
A	FB 1	CU9702	Dry Pond Retrofit	Autumn Crest Drive and Pond Mist Way
A	FB 1	CU9703	Dry Pond Retrofit	Oxon Road and Oakton Chase Way
A	FB 1	CU9704	Dry Pond Retrofit	Camberley Forest Drive and Wilbury Road
A	FB 2	CU9001	Regional Pond	Regional Pond C39 - Foxfield Lane within the Foxfield Community
A	FB 2	CU9216	Stream Restoration	Franklin Glen
A	FB 3	CU9185	Dry Pond Retrofit	Beech Down Drive
A	FB 3	CU9186	Dry Pond Retrofit	Beech Down Drive and Bellerose Drive
A	FB 3	CU9320	Buffer Restoration	Private property upstream from Route 50 and downstream from Lees Corner Road



Table C-3
(continued)
Summary of Structural Projects By Phase and Group

Phase	Group	Structural Project	Project Type	Description
A	FB 3	CU9709	Dry Pond Retrofit	Sully Plaza, Rt 50 and Centreville Road
A	FB 4	CU9187	Dry Pond Retrofit	Hollinger Avenue and Lees Corner Road
A	FB 4	CU9188	Dry Pond Retrofit	Kernstown Court (C43)
A	FB 4	CU9321	Buffer Restoration	FCPA parkland downstream from Stringfellow Road near Brandy Station Road.
A	FB 4	CU9322	Buffer Restoration	Downstream from Stringfellow Road
A	FB 4	CU9324	Buffer Restoration	Private property upstream from Lees Corner Road
A	FB 4	CU9821	LID at Public Facilities	Lees Corner Elementary School
A	FB 5	CU9193	Dry Pond Retrofit	Mazewood Lane
A	FB 5	CU9194	Dry Pond Retrofit	Thompson Road and Oxon Road
A	FB 5	CU9325	Buffer Restoration	Private property downstream from Fairfax County Parkway
A	UC 1	CU9002	Regional Pond	Regional Pond C18 - Cain Branch between Route 28 and Centreville Road
A	UC 1	CU9220	Stream Restoration	Upstream from Route 28 and downstream from Centreville Road.
A	UC 1	CU9334	Buffer Restoration	Private property downstream from Centreville Road
A	UC 1	CU9335	Buffer Restoration	Private property upstream from Centreville Road and downstream from Lees Corner Road
A	UC 1	CU9336	Buffer Restoration	Private property upstream from Lees Corner Road
A	UC 1	CU9711	Dry Pond Retrofit	Franklin Middle School, Centreville Road
A	UC 1	CU9712	Dry Pond Retrofit	Centreville Road and Armfield Farm Drive
A	UC 1	CU9713	Dry Pond Retrofit	Lees Corner Road and Old Dairy Road
A	UC 1	CU9714	Dry Pond Retrofit	Franklin Farm Road and Hidden Meadow Circle
A	UC 1	CU9721	Dry Pond Retrofit	Dulles International Center, Eds Drive
A	UC 1	CU9722	Dry Pond Retrofit	Dulles Gateway Center Renaissance Park
A	UC 1	CU9825	LID at Public Facilities	Franklin Middle School
A	UC 2	CU9218	Stream Restoration	Cub Run including lower reaches of two tributaries near Pleasant Valley.



Table C-3
(continued)
Summary of Structural Projects By Phase and Group

Phase	Group	Structural Project	Project Type	Description
A	UC 2	CU9333	Buffer Restoration	FCPA parkland upstream from Cub Run and downstream from Stonecroft Boulevard
A	UC 2	CU9337	Buffer Restoration	Pleasant Valley neighborhood - Half of project is in FCPA parkland
A	UC 2	CU9715	Dry Pond Retrofit	Pleasant Valley Rd, Silas Hutchinson Dr
A	UC 2	CU9716	Dry Pond Retrofit	Technology Court and Lafayette Center Dr
A	UC 2	CU9719	Dry Pond Retrofit	Lafayette Business Center, Lafayette Center Drive
A	UC 2	CU9913	Neighborhoods Without Stormwater Controls	Pleasant Valley
A	Dumpsite	BR9901	Dump Site Removal	Both banks instream, Unnamed Bull Run tributary
A	Dumpsite	BR9902	Dump Site Removal	Left bank flood plain, Bull Run tributary
A	Dumpsite	CU9901	Dump Site Removal	Left bank flood plain, Lower Cub Run, Bull Run Regional Park.
A	Dumpsite	CU9902	Dump Site Removal	Left Bank flood plain, Lower Cub Run, Bull Run Regional Park
A	Dumpsite	CU9903	Dump Site Removal	Left Bank instream, Tributary to Lower Cub Run
A	Dumpsite	CU9904	Dump Site Removal	Left Bank flood plain, Big Rocky Run
A	Dumpsite	CU9905	Dump Site Removal	Left bank flood plain, Big Rocky Run downstream from Route 50
A	Dumpsite	CU9906	Dump Site Removal	Both banks flood plain, Flatlick Branch at Walney Road
A	Dumpsite	CU9907	Dump Site Removal	Both banks instream, Frog Branch near Stringfellow Road
A	Dumpsite	CU9908	Dump Site Removal	Both banks instream. Elclick Run within FCPA Parkland
A	Dumpsite	CU9909	Dump Site Removal	Left Bank, Cub Run and Schneider Branch off Stonecroft Boulevard.
A	-	CU9914	Headwater Drainage Systems	Headwater areas of watershed
A	-	CU9915	Riparian Wetland and Stream Study	Perform study to identify riparian wetland and stream restoration areas
B	BR 2	CU9145	Dry Pond Retrofit	Fair Ridge Drive, Fairleaf Court
B	BR 2	CU9146	Dry Pond Retrofit	Sweet Leaf Terrace and Fairleaf Court



Table C-3
(continued)
Summary of Structural Projects By Phase and Group

Phase	Group	Structural Project	Project Type	Description
B	BR 2	CU9192	Dry Pond Retrofit	Alder Woods Drive
B	BR 2	CU9210	Stream Restoration	Upstream and downstream from Ox Hill Road. Upstream from Route 50.
B	BR 2	CU9215	Stream Restoration	Upstream from Alder Woods Drive Fair Oaks Estates
B	BR 2	CU9323	Buffer Restoration	Private property downstream from Fairfax County Parkway near Freehill Lane
B	BR 2	CU9822	LID at Public Facilities	Navy Elementary School
B	BR 3	CU9142	Dry Pond Retrofit	Fair Ridge Park, Meadow Field Drive
B	BR 3	CU9143	Dry Pond Retrofit	Fair Ridge Park, Rt. 50 and Fair Ridge Drive
B	BR 3	CU9144	Dry Pond Retrofit	Rt. 50 and Fair Ridge Drive, 50 West Corporate Center
B	BR 3	CU9209	Stream Restoration	Oaks Chase near Timber Oaks Trail
B	BR 4	CU9139	Dry Pond Retrofit	Trumbo Court and Monument Drive
B	BR 4	CU9208	Stream Restoration	Fair Lakes
B	FB 6	CU9184	Dry Pond Retrofit	Flatlick downstream from Route 50
B	FB 6	CU9214	Stream Restoration	Between Route 50 and Route 28, Part 1
B	FB 6	CU9318	Buffer Restoration	FCPA Parkland at Lees Corner Road
B	FB 6	CU9820	LID at Public Facilities	Brookfield Elementary School
B	FB 6	CU9912	Neighborhoods Without Stormwater Controls	Brookfield
B	LC 1	CU9150	Dry Pond Retrofit	Lee Forest Path and Stillfield Place
B	LC 1	CU9160	Dry Pond Retrofit	Oakengate Way
B	LC 1	CU9161	Dry Pond Retrofit	Hidden Canyon Road and Knoll View Place
B	LC 1	CU9162	Dry Pond Retrofit	Blueridge View Drive and Jordans Journey Drive
B	LC 1	CU9163	Dry Pond Retrofit	Eagle Tavern Lane
B	LC 1	CU9164	Dry Pond Retrofit	Snowhill Lane
B	LC 1	CU9165	Dry Pond Retrofit	Martins Hundred Drive
B	LC 1	CU9211	Stream Restoration	Middle Cub Run main stem and selected tributaries - from Flatlick Branch to just below Route 29. Part 1.
B	LC 1	CU9316	Buffer Restoration	Partially in FCPA parkland in Virginia Run - Downstream from Pleasant Valley Rd.



Table C-3
(continued)
Summary of Structural Projects By Phase and Group

Phase	Group	Structural Project	Project Type	Description
B	LC 1	CU9814	LID at Public Facilities	Virginia Run Elementary School
B	LC 2	CU9812	LID at Public Facilities	Stone Middle School
B	LC 2	CU9813	LID at Public Facilities	Deer Park Elementary School
B	LC 2	CU9815	LID at Public Facilities	Cub Run Elementary School
B	LC 2	CU9910	Neighborhoods Without Stormwater Controls	Country Club Manor
B	UC 3	CU9332	Buffer Restoration	FCPA parkland at Old Lee Road
B	UC 3	CU9823	LID at Public Facilities	Westfield High School
B	UC 3	CU9824	LID at Public Facilities	Cub Run Recreation Center
B	-	CU9914	Headwater Drainage Systems	Headwater areas of watershed
C	BR 5	CU9132	Dry Pond Retrofit	Poplar Tree Park, Melville Ln and Marble Rock Drive
C	BR 5	CU9309	Buffer Restoration	FCPA parkland upstream from Northbourne Drive and downstream from Stringfellow Road
C	BR 5	CU9310	Buffer Restoration	FCPA parkland downstream from Stringfellow Road
C	BR 5	CU9808	LID at Public Facilities	Poplar Tree Park Playing Fields Parking Lot
C	BR 5	CU9809	LID at Public Facilities	Poplar Tree Elementary School
C	FB 7	CU9134	Dry Pond Retrofit	Point Pleasant Drive and Hazelnut Court
C	FB 7	CU9182	Dry Pond Retrofit	Currey Lane, Chantilly Library
C	FB 7	CU9311	Buffer Restoration	FCPA parkland downstream from Point Pleasant Drive
C	FB 7	CU9312	Buffer Restoration	FCPA parkland downstream from Stringfellow Road and Point Pleasant Drive
C	FB 7	CU9810	LID at Public Facilities	Rocky Run Middle School
C	FB 7	CU9817	LID at Public Facilities	Chantilly Library



Table C-3
(continued)
Summary of Structural Projects By Phase and Group

Phase	Group	Structural Project	Project Type	Description
C	FB 7	CU9818	LID at Public Facilities	Chantilly High School
C	FB 7	CU9819	LID at Public Facilities	Greenbriar West Elementary School
C	FB 8	CU9176	Dry Pond Retrofit	Fillingame Drive Between Quitway Court and Lowry Drive
C	FB 8	CU9177	Dry Pond Retrofit	Smallwood Court
C	FB 8	CU9178	Dry Pond Retrofit	Fallen Oak Court
C	FB 8	CU9180	Dry Pond Retrofit	Stream Valley Drive
C	FB 8	CU9319	Buffer Restoration	FCPA Parkland downstream from Stringfellow Road
C	FB 9	CU9172	Dry Pond Retrofit	Flatlick Branch Drive
C	FB 9	CU9174	Dry Pond Retrofit	Walney Road and Mariah Court
C	FB 9	CU9175	Dry Pond Retrofit	Penny Tree Place
C	LC 3	BR9102	Dry Pond Retrofit	Old Centreville Road and Compton Road
C	LC 3	BR9104	Dry Pond Retrofit	Flamborough Rd near Jenny Leigh Court
C	LC 3	BR9105	Dry Pond Retrofit	Cedar Loch Court
C	LC 3	BR9106	Dry Pond Retrofit	Tracy Schar Lane
C	LC 3	BR9107	Dry Pond Retrofit	Wheat Mill Way and Grainery Road
C	LC 3	BR9108	Dry Pond Retrofit	Sharps Drive
C	LC 3	BR9801	LID at Public Facilities	Centreville Elementary School
C	LC 4	CU9151	Dry Pond Retrofit	Green Park Way, Basingstoke Loop (C22)
C	LC 4	CU9152	Dry Pond Retrofit	Grobie Pond Lane and Watermark Circle (C22)
C	LC 4	CU9211	Stream Restoration	Middle Cub Run main stem and selected tributaries - from Flatlick Branch to just below Route 29. Part 2.
C	LC 5	CU9103	Dry Pond Retrofit	Between Outpost Court and I-66 (C04)
C	LC 5	CU9302	Buffer Restoration	Partially in FCPA parkland upstream from I-66. Centre Ridge
C	LC 5	CU9802	LID at Public Facilities	Centre Ridge Elementary School
C	UC 4	CU9330	Buffer Restoration	FCPA parkland near Pleasant Valley Road north of Elklick Run
C	UC 4	CU9331	Buffer Restoration	FCPA parkland adjacent to Pleasant Valley Road south of Elklick Run
C	UC 4	CU9705	Dry Pond Retrofit	Kentwell Circle



Table C-3
(continued)
Summary of Structural Projects By Phase and Group

Phase	Group	Structural Project	Project Type	Description
C	-	CU9914	Headwater Drainage Systems	Headwater areas of watershed
D	BR 6	CU9127	Dry Pond Retrofit	Cabells Mill Drive and Ashcomb Court
D	BR 6	CU9128	Dry Pond Retrofit	Rushbrook Drive and Nanticoke Drive
D	BR 6	CU9307	Buffer Restoration	Partially in FCPA parkland Ellicott Court downstream from Northbourne Drive
D	BR 6	CU9308	Buffer Restoration	Partially in FCPA parkland downstream from Veronica Road - upstream from regional pond C30
D	BR 6	CU9806	LID at Public Facilities	Cabells Mill Parking Area
D	BR 6	CU9807	LID at Public Facilities	Stringfellow Road Commuter Lot
D	BR 7	CU9124	Dry Pond Retrofit	Route 28 ramp to I-66, Pickwick Road
D	BR 7	CU9125	Dry Pond Retrofit	Melton Place and Pickwick Road
D	FB 10	CU9171	Dry Pond Retrofit	Brookfield Corporate Center
D	FB 10	CU9213	Stream Restoration	Upstream and downstream from Stonecroft Boulevard
D	FB 10	CU9214	Stream Restoration	Between Route 50 and Route 28. Part 2.
D	FB 10	CU9317	Buffer Restoration	FCPA parkland upstream from Braddock Road
D	FB 11	CU9167	Dry Pond Retrofit	Parkstone Drive, Va DMV
D	FB 11	CU9169	Dry Pond Retrofit	Westfields Blvd and Stonecroft Boulevard
D	FB 11	CU9170	Dry Pond Retrofit	Lee Road
D	FB 11	CU9816	LID at Public Facilities	Sully District Supervisor's Office
D	LC 6	CU9202	Stream Restoration	Between Compton Road and Route 66. Part 1.
D	LC 6	CU9801	LID at Public Facilities	Bull Run Elementary School
D	LC 7	BR9201	Stream Restoration	Below quarry
D	LC 8	BR9301	Buffer Restoration	Private Property
D	LC 8	BR9302	Buffer Restoration	Private Property
D	LC 8	BR9303	Buffer Restoration	Private Property
D	LC 8	BR9304	Buffer Restoration	Fairfax National Estates
D	UC 5	CU9219	Stream Restoration	Upstream from Route 50. Upstream and downstream from Avion Parkway.
D	UC 5	CU9221	Stream Restoration	Upstream from Stonecroft Boulevard.
D	UC 5	CU9338	Buffer Restoration	Private property at Stonecroft Boulevard



Table C-3
(continued)
Summary of Structural Projects By Phase and Group

Phase	Group	Structural Project	Project Type	Description
D	UC 5	CU9339	Buffer Restoration	Private property upstream from Stonecroft Boulevard
D	UC 5	CU9706	Dry Pond Retrofit	Flint Lee Business Center, Stonecroft Rd.
D	UC 5	CU9707	Dry Pond Retrofit	Lee Road and Willard Road
D	UC 5	CU9710	Dry Pond Retrofit	Westfax Industrial Park, Rt 50 and Westfax Dr
D	UC 5	CU9717	Dry Pond Retrofit	Driving Training Center, Stonecroft Blvd
D	UC 5	CU9718	Dry Pond Retrofit	Avion Parkway and Virginia Mallory Drive
D	UC 5	CU9720	Dry Pond Retrofit	Stonecroft Blvd. and Thompson Road
D	-	CU9914	Headwater Drainage Systems	Headwater areas of watershed
E	BR 8	CU9154	Dry Pond Retrofit	Stone Crossing Court
E	BR 8	CU9155	Dry Pond Retrofit	Poplar Tree Road at Sully Park Drive
E	BR 8	CU9156	Dry Pond Retrofit	Lock Drive at Crenshaw Drive, Poplar Tree Road
E	BR 8	CU9157	Dry Pond Retrofit	Poplar Tree Road, Braywood Drive
E	BR 8	CU9158	Dry Pond Retrofit	Belle Plains Drive and Sequoia Farms Drive
E	BR 8	CU9159	Dry Pond Retrofit	Walney Road and Walney Park Drive
E	BR 8	CU9212	Stream Restoration	Upstream from Sully Park Drive
E	BR 9	CU9121	Dry Pond Retrofit	Braddock Road and Village Center Drive
E	BR 9	CU9123	Dry Pond Retrofit	Filly Court
E	BR 9	CU9207	Stream Restoration	Between Route 28 and Braddock Road
E	BR 9	CU9306	Buffer Restoration	Private property upstream from Braddock Road crossing Cedar Break Drive within Sequoia Farms
E	BR 9	CU9805	LID at Public Facilities	Ellanor C. Lawrence Playing Field Parking Lot
E	BR 10	CU9112	Dry Pond Retrofit	Stonepath Court
E	BR 10	CU9113	Dry Pond Retrofit	Havner House Way near I-66, Route 29 Intersection
E	BR 10	CU9115	Dry Pond Retrofit	Truro Parish Court
E	BR 10	CU9119	Dry Pond Retrofit	Rocky Run Drive and Awbrey Patent Drive
E	BR 10	CU9122	Dry Pond Retrofit	Virginia Chase Drive
E	BR 10	CU9205	Stream Restoration	Below Awbrey Patent Drive and upstream from Route 29.
E	BR 10	CU9206	Stream Restoration	Below Braddock Road



Table C-3
(continued)
Summary of Structural Projects By Phase and Group

Phase	Group	Structural Project	Project Type	Description
E	BR 10	CU9303	Buffer Restoration	FCPA parkland and VDOT ROW I-66 / Route 28 interchange
E	BR 10	CU9304	Buffer Restoration	FCPA parkland upstream and downstream from Awbrey Patent Drive
E	BR 10	CU9305	Buffer Restoration	FCPA parkland downstream from Braddock Road
E	BR 10	CU9803	LID at Public Facilities	London Towne Elementary School
E	BR 11	CU9105	Dry Pond Retrofit	Field Encampment Road and Field Flower Trail
E	BR 11	CU9107	Dry Pond Retrofit	Centrewood Drive and Machen Road
E	BR 11	CU9109	Dry Pond Retrofit	Hoskins Hollow Circle
E	BR 11	CU9111	Dry Pond Retrofit	Old Centreville Road and Sunset Ridge Road
E	BR 11	CU9204	Stream Restoration	The Meadows and Centre Ridge - upstream from I-66
E	BR 11	CU9804	LID at Public Facilities	Centreville Library
E	BR 12	CU9104	Dry Pond Retrofit	James Harris Way
E	BR 12	CU9106	Dry Pond Retrofit	Industrial Park at Route 29 and I-66 Interchange
E	BR 12	CU9147	Dry Pond Retrofit	Rydell Road
E	BR 12	CU9148	Dry Pond Retrofit	Prince Way
E	BR 12	CU9203	Stream Restoration	Upstream from Cub Run Confluence and downstream from Route 29.
E	BR 12	CU9301	Buffer Restoration	FCPA Parkland downstream from Big Rocky Run near Route 66 and Gate Post Estates
E	LC 9	CU9211	Stream Restoration	Middle Cub Run main stem and selected tributaries - from Flatlick Branch to just below Route 29. Part 3.
E	LC 10	CU9201	Stream Restoration	Within Bull Run Regional Park south of I-66 to Bull Run Confluence
E	LC 10	CU9202	Stream Restoration	Between Compton Road and Route 66. Part 2.
E	-	CU9914	Headwater Drainage Systems	Headwater areas of watershed



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