

APPENDIX D: PROJECT SHEETS

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LEGEND

Projects

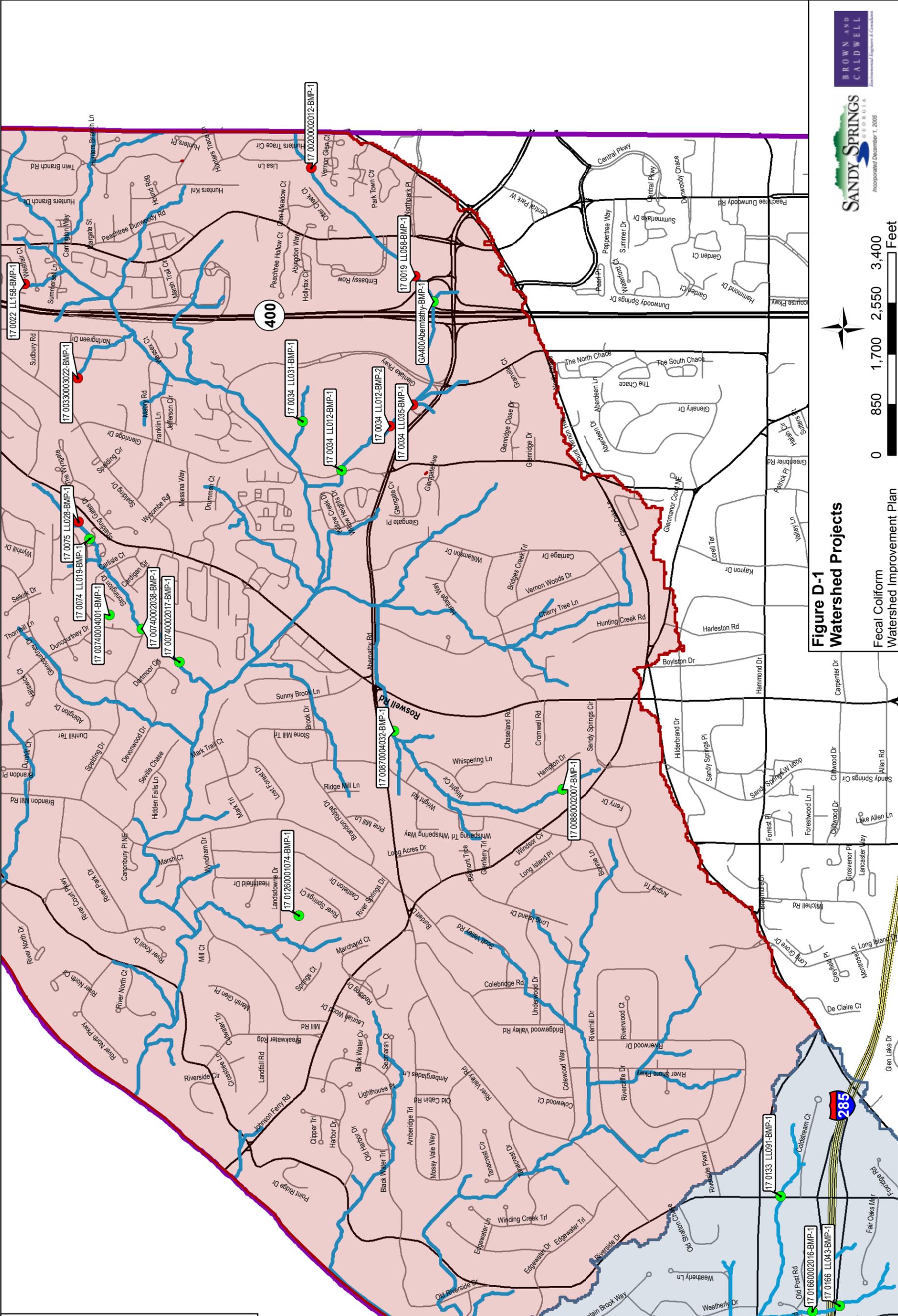
- Existing (Red circle)
- New (Green circle)
- Stream (Blue line)
- Stream Projects (Yellow triangle)

Study Areas

- Crooked Creek (Light blue area)
- Long Island Creek (Light green area)
- Marsh Creek (Light purple area)
- Sandy Springs Boundary (Light pink area)
- Streams (Blue lines)

Roads

- Interstate (Thick yellow line)
- State Hwy. (Yellow line)
- Major Rd. (Black line)
- Minor Rd. (Thin black line)



**Figure D-1
Watershed Projects**



**Appendix D
Watershed Project Summary Table**

Project ID	Asset Number	Project Type	BMP/Stream Project Category			BMP Retrofit Components			Design Cost	Easement Cost	Total Cost	Benefit Cost Score
			BMP Exist	BMP Proposed	Stream Project	Structure	Volume1	Volume2				
06 03520004001-STREAM-1	BAC_00043	Stream Restoration			Level 4				\$88,000	\$12,347	\$453,000	0.92
06 0353 LL012-BMP-1	AGM_18255	BMP	WP	WP		S3			\$94,000	\$3,124	\$332,000	3.55
06 03560003013-BMP-1	AGM_18904	BMP	WP	WP		S3			\$82,000	\$115	\$410,000	0.93
06 03560003013-STREAM-1	BAC_00041	Stream Restoration			Level 4				\$246,000	\$58,286	\$1,286,000	0.67
06 0357 LL049-BMP-1	AGM_18471	BMP	WP	WP		S3			\$75,000	\$1,912	\$330,000	0.89
06 03570002015-STREAM-1	BAC_00042	Stream Restoration			Level 4				\$209,000	\$53,778	\$1,099,000	0.23
06 03570004007-BMP-1	AGM_18991	BMP	WP	WP		S3			\$63,000	\$5,868	\$226,000	2.52
06 03570004020-BMP-1	AGM_18957	BMP	WP	MED		S5			\$78,000	\$1,956	\$274,000	2.94
06 0360 LL001-BMP-1	AGM_18330	BMP	WP	WP		S3			\$104,000	\$34,114	\$555,000	1.98
06 0361 LL033-BMP-1	AGM_21757	BMP	WP	WP		S3			\$176,000	\$248,777	\$1,127,000	1.57
06 03610003022-BMP-1	AGM_21724	BMP	WP	WP		S3			\$127,000	\$139,879	\$775,000	1.50
06 03610003031-BMP-1	AGM_21718	BMP	WP	WP		S3			\$97,000	\$28,550	\$513,000	1.61
06 03630001062-STREAM-1	BAC_00039	Stream Restoration			Level 4				\$216,000	\$37,533	\$1,117,000	0.71
06 03630001082-BMP-1	AGM_26082	BMP	WP	WP		S3			\$82,000	\$2,517	\$414,000	2.14
06 03630001082-BMP-2	AGM_26076	BMP	WP	WP		S3			\$91,000	\$9,120	\$464,000	1.01
06 0364 LL051-BMP-1	AGM_24299	BMP	WP	WP		S3			\$89,000	\$21,283	\$467,000	1.78
06 0365 LL029-BMP-1	AGM_17715	BMP	WP	WP		S3			\$80,000	\$4,737	\$404,000	0.72
06 03670001023-BMP-1	AGM_25933	BMP	WP	WP		S3	V1		\$191,000	\$428	\$956,000	3.29
06 03670003066-BMP-1	AGM_25822	BMP	WP	WP		S3			\$125,000	\$26,610	\$651,000	2.61
06 03670003067-BMP-1	AGM_25770	BMP	WP	WP		S3			\$101,000	\$24,624	\$528,000	2.03
06 03680001032-STREAM-1	BAC_00040	Stream Restoration			Level 2				\$221,000	\$17,107	\$1,123,000	0.43
06 0383 LL071-BMP-1	AGM_16277	BMP	WP	WP		S3			\$81,000	\$6,422	\$411,000	0.53
06 0383 LL081-BMP-1	AGM_16294	BMP	WP	WP		S3			\$75,000	\$4,651	\$333,000	0.53
06 0634 LL029-STREAM-1	BAC_00038	Stream Restoration			Level 2				\$284,000	\$8,142	\$1,712,000	1.10
17 0019 LL058-BMP-1	AGM_05898	BMP	WP	WPED		S3			\$78,000	\$104,676	\$378,000	4.99
17 00200002012-BMP-1	AGM_14543	BMP	DP	MED		S5			\$84,000	\$17,000	\$311,000	3.06
17 0022 LL058-BMP-1	AGM_26613	New BMP		WPED					\$75,000	\$2,886	\$376,000	3.88
17 0022 LL158-BMP-1	AGM_26479	BMP	DP	WPED		S5			\$50,000	\$18,767	\$159,000	5.49
17 0023 LL041-BMP-1	AGM_16991	New BMP		WPED					\$221,000	\$21,175	\$1,345,000	2.23
17 0024 LL084-BMP-1	AGM_19601	BMP	DP	WPED		S5			\$78,000	\$6,674	\$279,000	5.31
17 0024 LL085-BMP-1	AGM_19565	New BMP		SW					\$161,000	\$19,668	\$825,000	2.36
17 00250004044-BMP-1	AGM_22715	New BMP		WP					\$168,000	\$23,023	\$862,000	3.09
17 0027 LL005-BMP-1	AGM_16998	BMP	WP	WP		S3			\$98,000	\$4,288	\$492,000	1.26
17 00290002040-BMP-1	AGM_23229	New BMP		SWED					\$142,000	\$24,894	\$733,000	3.44
17 0030 LL066-BMP-1	AGM_23629	BMP	DP	WP		S5			\$99,000	\$43,836	\$540,000	3.64
17 0031 LL031-BMP-1	AGM_25470	BMP	WP	WP		S3			\$108,000	\$25,515	\$564,000	2.45
17 00330003022-BMP-1	AGM_19878	BMP	DP	MED		S5			\$78,000	\$4,408	\$276,000	2.31
17 0034 LL012-BMP-1	AGM_13752	New BMP		WPED					\$202,000	\$8,434	\$1,019,000	2.04
17 0034 LL031-BMP-1	AGM_13756	New BMP		WPED					\$203,000	\$18,545	\$1,032,000	4.42
17 0074 LL019-BMP-1	AGM_15612	New BMP		WP					\$260,000	\$71,380	\$1,630,000	3.06
17 00740002017-BMP-1	AGM_15580	New BMP		WPED					\$266,000	\$36,027	\$1,630,000	2.07
17 00740002038-BMP-1	AGM_15559	New BMP		DED					\$86,000	\$5,186	\$306,000	1.05
17 00740004001-BMP-1	AGM_15555	New BMP		SW					\$217,000	\$20,914	\$1,106,000	1.48
17 0075 LL028-BMP-1	AGM_15523	BMP	DP	MED		S5			\$50,000	\$3,772	\$144,000	4.27
17 0076 LL061-BMP-1	AGM_23984	New BMP		WPED					\$194,000	\$13,427	\$982,000	3.68
17 00790001025-STREAM-1	BAC_00037	Stream Restoration			Level 2				\$141,000	\$12,716	\$719,000	0.61
17 00850004025-BMP-1	AGM_15888	New BMP		WP					\$176,000	\$10,003	\$889,000	2.75
17 00870004032-BMP-1	AGM_18783	New BMP		WP					\$321,000	\$36,463	\$1,964,000	1.79

Appendix D
Watershed Project Summary Table

Project ID	Asset Number	Project Type	BMP/Stream Project Category		BMP Retrofit Components			Design Cost	Easement Cost	Total Cost	Benefit Cost Score
			BMP Exist	BMP Proposed	Stream Project	Structure	Volume1				
17 00880002007-BMP-1	AGM_17821	New BMP		WP				\$1,149,000	\$25,620	\$1,405,000	4.57
17 01260001074-BMP-1	AGM_15241	New BMP		WPED				\$298,000	\$2,339	\$375,000	3.74
17 0133 LL091-BMP-1	AGM_09788	New BMP		DED				\$1,068,000	\$28,308	\$1,310,000	2.10
17 0166 LL043-BMP-1	AGM_11359	New BMP		WP				\$2,286,000	\$60,712	\$2,804,000	1.61
17 01660002016-BMP-1	AGM_11305	New BMP		DED				\$464,000	\$37,978	\$618,000	1.87
GA400Abermtathy-BMP-1	AGM_05925	New BMP		DED				\$7,183,000	\$0	\$8,620,000	2.81
GA400Spalding-BMP-1	AGM_26587	New BMP		MED				\$191,000	\$96	\$267,000	3.82

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 06 03520004001-STREAM-1

Asset Number: BAC_00043

Benefit/Cost: 0.92
Estimated Cost: \$453,000

Address: 1475 Masters Club Dr
Study Area: Crooked Creek
Proposed Project Type: Stream Restoration

Project Description

Level 4 restoration is needed for stabilization project along 500 foot reach of tributary to Ball Mill Creek at Saddleridge Way and Masters Club Drive. Erosion and sedimentation problems evident. Numerous trees in channel or near collapse. Level 4 restoration is proposed where an an incised channel is stabilized in place using in stream structures and bioengineering.

Project Goals

Stabilize streambanks to reduce streambank erosion to decrease suspended sediment loads and improve water quality and instream habitat. Establish and protect a vegetated buffer along the stream. Restore proper dimension, pattern, and profile so the channel will move water and sediment without aggrading or degrading while also considering flood hazards. Work with property owner to encourage near-stream conservation efforts.

Photos and Maps

Photo 1

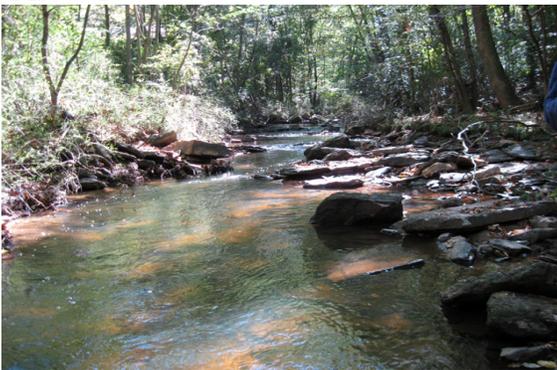


Photo 2

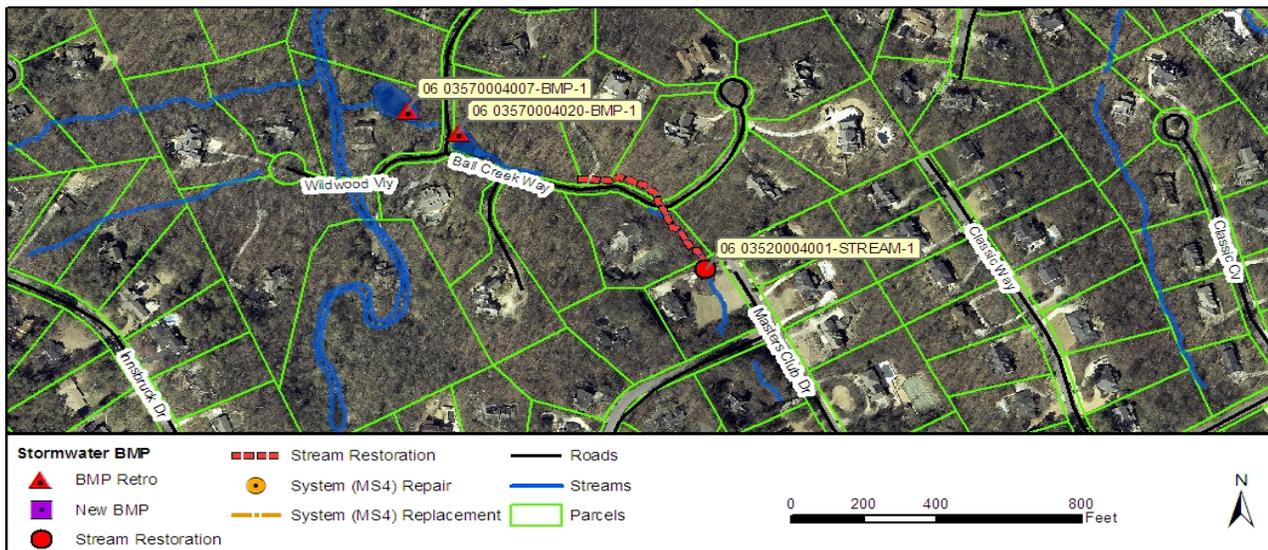


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 06 03520004001-STREAM-1
 Asset Number: BAC_00043

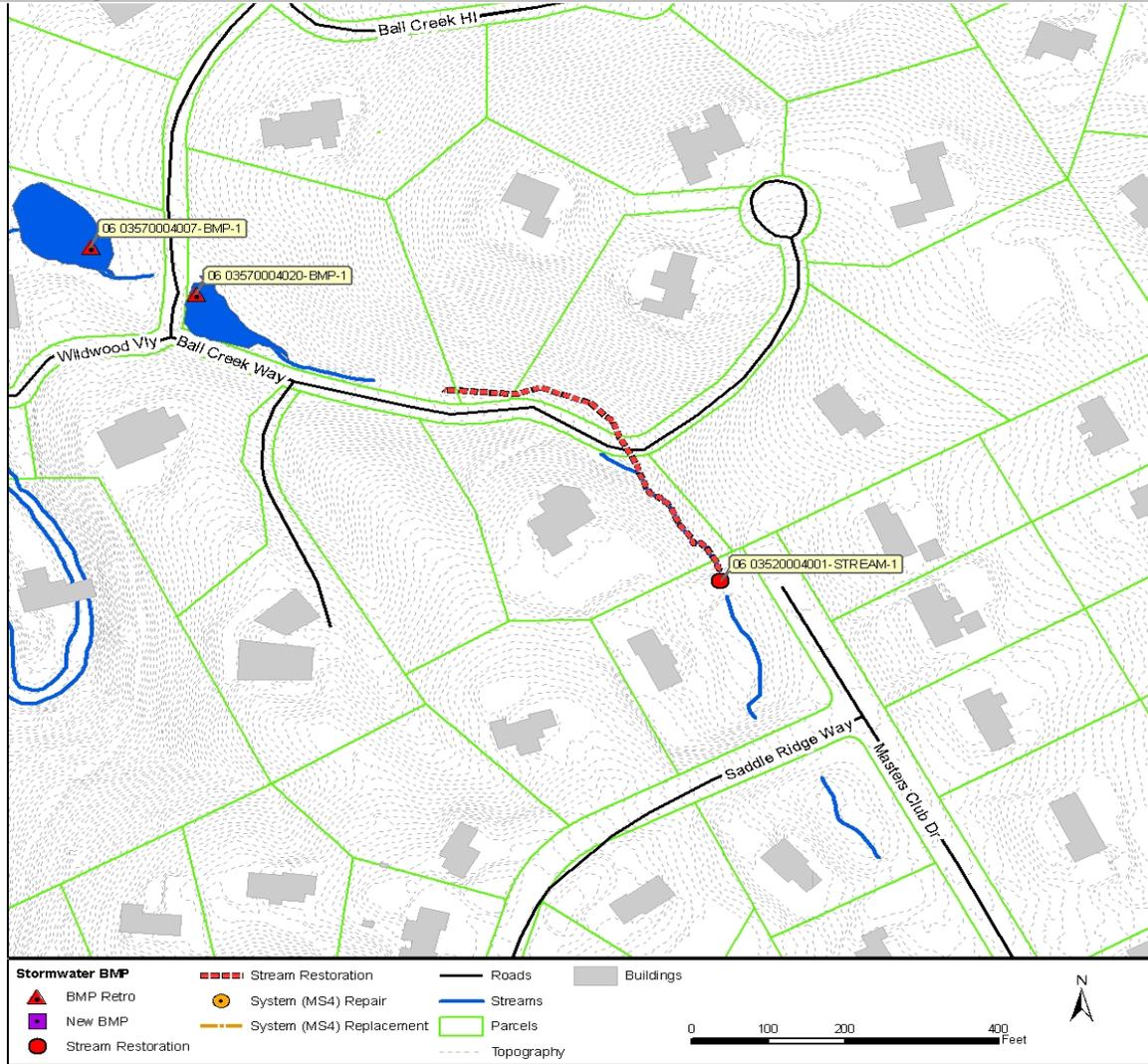


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	303	lb/ac/yr
Asset Ownership:	Not Applicable	Existing Volume:	N/A	ft ³
Parcel Ownership:	Private, City	Potential Volume:	N/A	ft ³
Land Use:	Residential - 2 acre lot size; Residential - 1 acre lot size	WQ Volume:	N/A	ft ³
		CP Volume:	N/A	ft ³
		25-Year Volume:	N/A	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	513	ft
TMDL Stream (Biota):	N	Stream Order:	1	
Drainage Area:	33.2 acres	Bank Stability (% exposed):	No Data	No Data
FEMA Flood Hazard Zone:	X	Bank Height:	No Data	No Data
Max Flood Depth Over Road:	N/A ft	Existing Risk:	12.7	
Flood Width Over Road:	N/A ft	Proposed Risk:	9.1	
Structure Type:	N/A	Change in Risk:	3.7	
Pipe Size:	N/A ft	Benefit/Cost:	0.92	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 06 0353 LL012-BMP-1

Asset Number: AGM_18255

Benefit/Cost: 3.55
Estimated Cost: \$332,000

Address: 0 Grapevine Run
Study Area: Crooked Creek
Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Residential - 1 acre lot size area near Grapevine Run. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as BC-CDM-34. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve full water quality and a portion of the channel protection benefits by building or significantly redesigning the control structure of the wet pond.

Photos and Maps

Photo 1



Photo 2

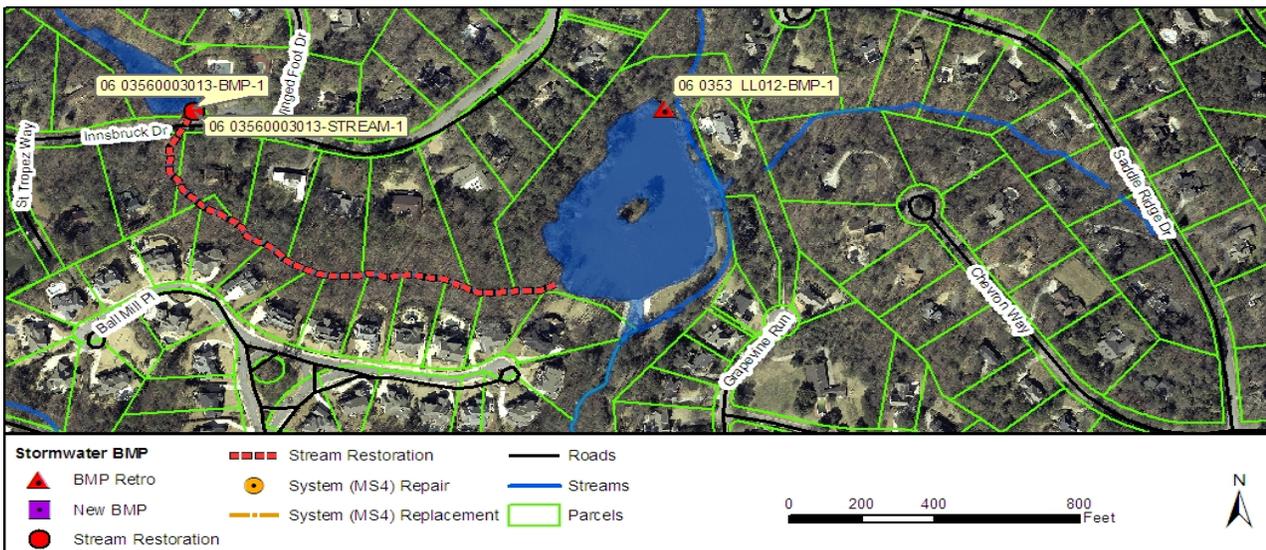


Figure 1 Plan View of Project with Aerial Photography

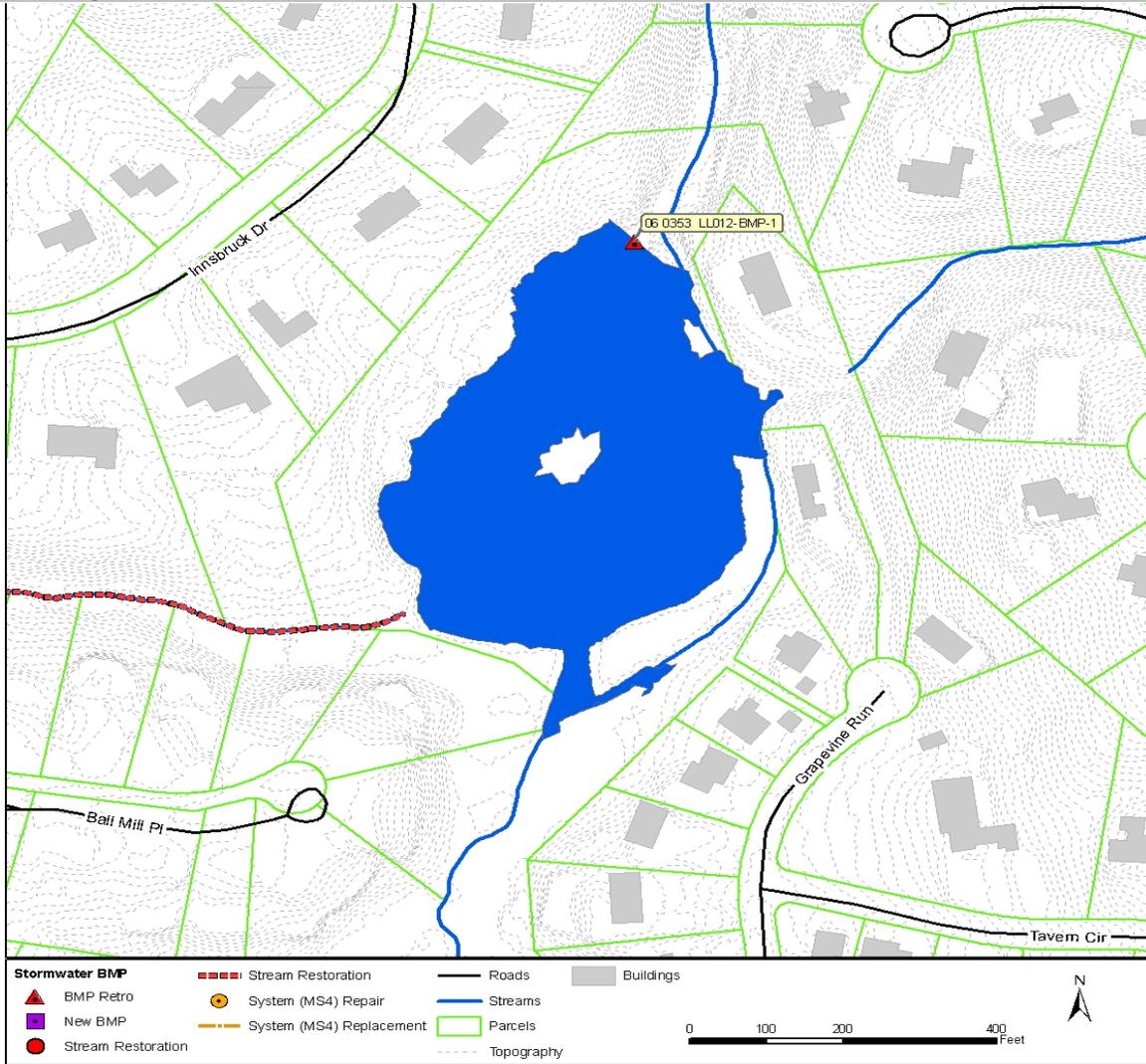


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	508	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach	Existing Volume:	6,405,372	ft ³
Parcel Ownership:	Private	Potential Volume:	6,405,372	ft ³
Land Use:	Residential - 1 acre lot size; Water	WQ Volume:	1,632,240	ft ³
		CP Volume:	8,270,990	ft ³
		25-Year Volume:	9,166,169	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	N	Stream Order:	4	
Drainage Area:	1,930.0 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	AE, AE-FLOODWAY	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	23.2	
Flood Width Over Road:	N/A ft	Proposed Risk:	9.0	
Structure Type:	N/A	Change in Risk:	14.2	
Pipe Size:	N/A ft	Benefit/Cost:	3.55	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 06 03560003013-BMP-1

Asset Number: AGM_18904

Benefit/Cost: 0.93
Estimated Cost: \$410,000

Address: 0 Innsbruck Dr
Study Area: Crooked Creek
Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Residential - 1 acre lot size area near Innsbruck Dr. This project was included in the previous CIP as BC-CDM-61. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve both full water quality and channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

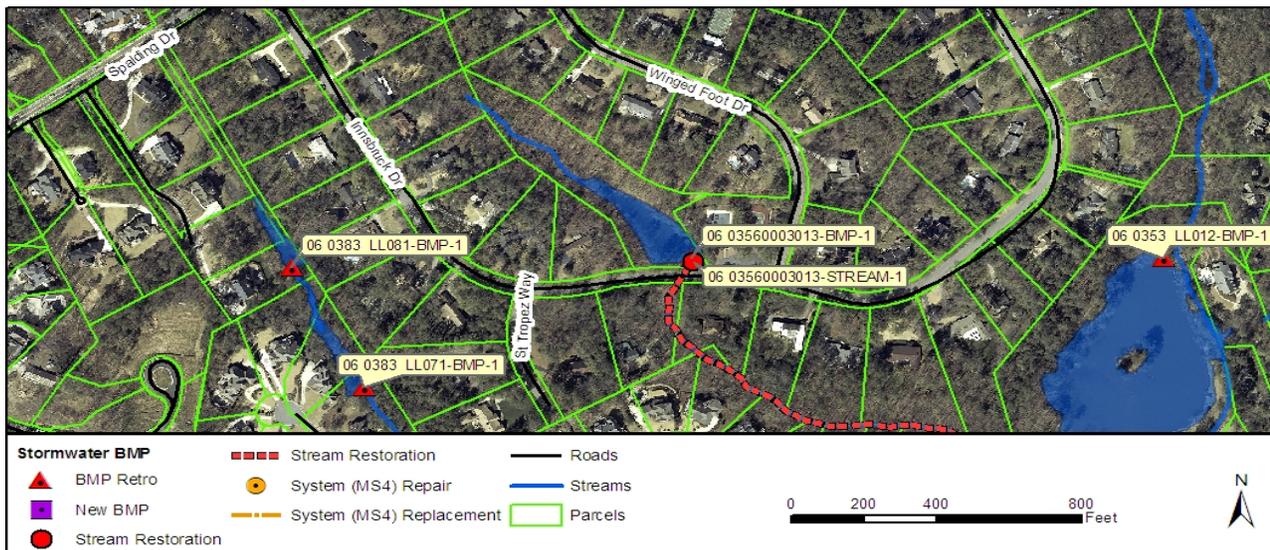


Figure 1 Plan View of Project with Aerial Photography

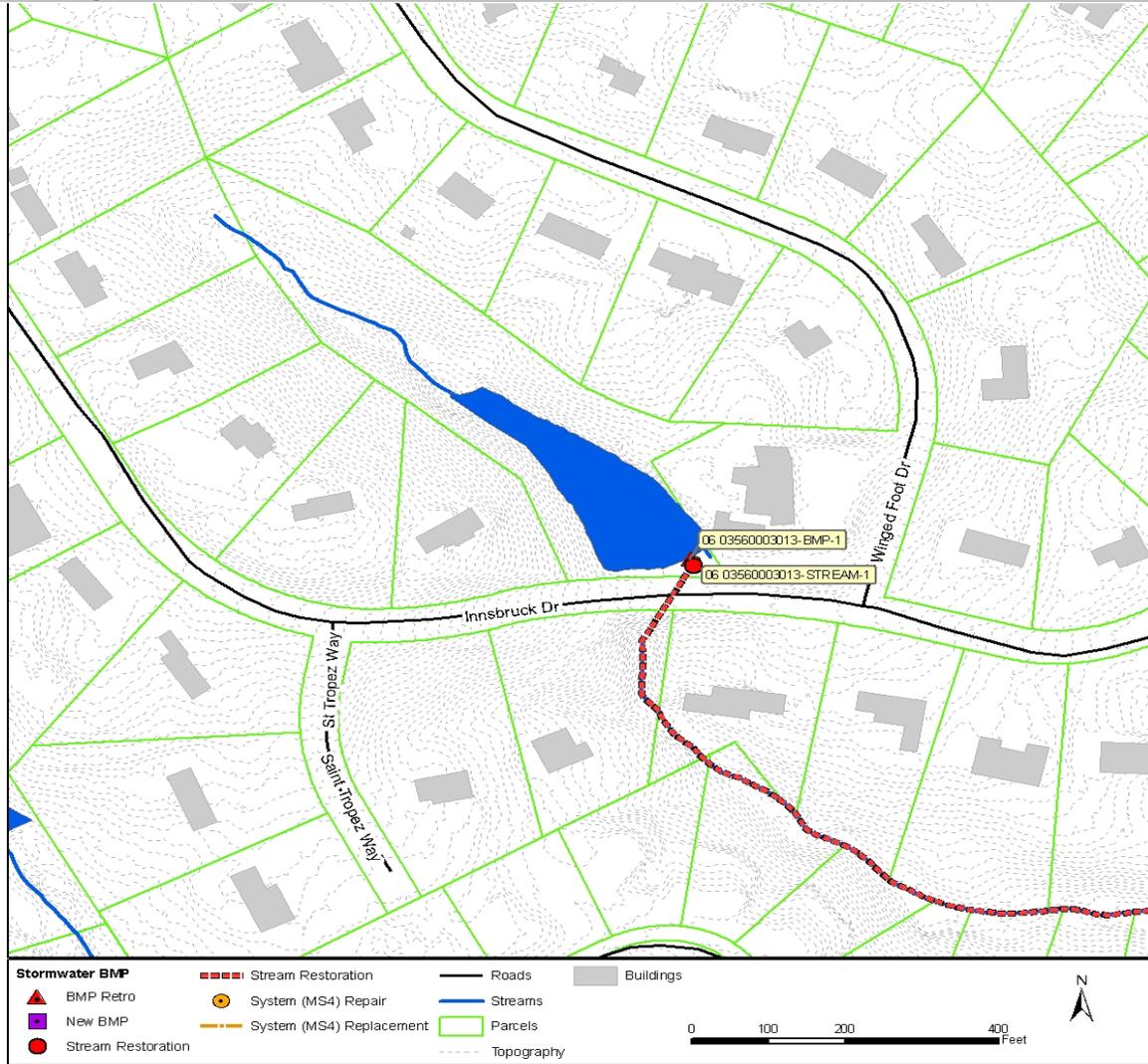


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	31	lb/ac/yr
Asset Ownership:	5: SF Residential-Attach	Existing Volume:	484,876	ft ³
Parcel Ownership:	Private	Potential Volume:	484,876	ft ³
Land Use:	Residential - 1 acre lot size; Water	WQ Volume:	17,685	ft ³
		CP Volume:	55,567	ft ³
		25-Year Volume:	56,550	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	N	Stream Order:	Offline	
Drainage Area:	15.1 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	6.9	
Flood Width Over Road:	N/A ft	Proposed Risk:	3.2	
Structure Type:	N/A	Change in Risk:	3.7	
Pipe Size:	N/A ft	Benefit/Cost:	0.93	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 06 03560003013-STREAM-1

Asset Number: BAC_00041

Benefit/Cost: 0.67
Estimated Cost: \$1,286,000

Address: 0 Innsbruck Dr
Study Area: Crooked Creek
Proposed Project Type: Stream Restoration

Project Description

Level 4 restoration is needed for stabilization project along 1500 foot reach of Ball Mill Creek at Innsbruck Drive and Winged Foot Drive. Erosion and sedimentation problems evident. Numerous trees in channel or near collapse. Level 4 restoration is proposed where an an incised channel is stabilized in place using in stream structures and bioengineering.

Project Goals

Stabilize streambanks to reduce streambank erosion to decrease suspended sediment loads and improve water quality and instream habitat. Establish and protect a vegetated buffer along the stream. Restore proper dimension, pattern, and profile so the channel will move water and sediment without aggrading or degrading while also considering flood hazards. Work with property owner to encourage near-stream conservation efforts.

Photos and Maps

Photo 1

Photo 2

No photo available

No photo available

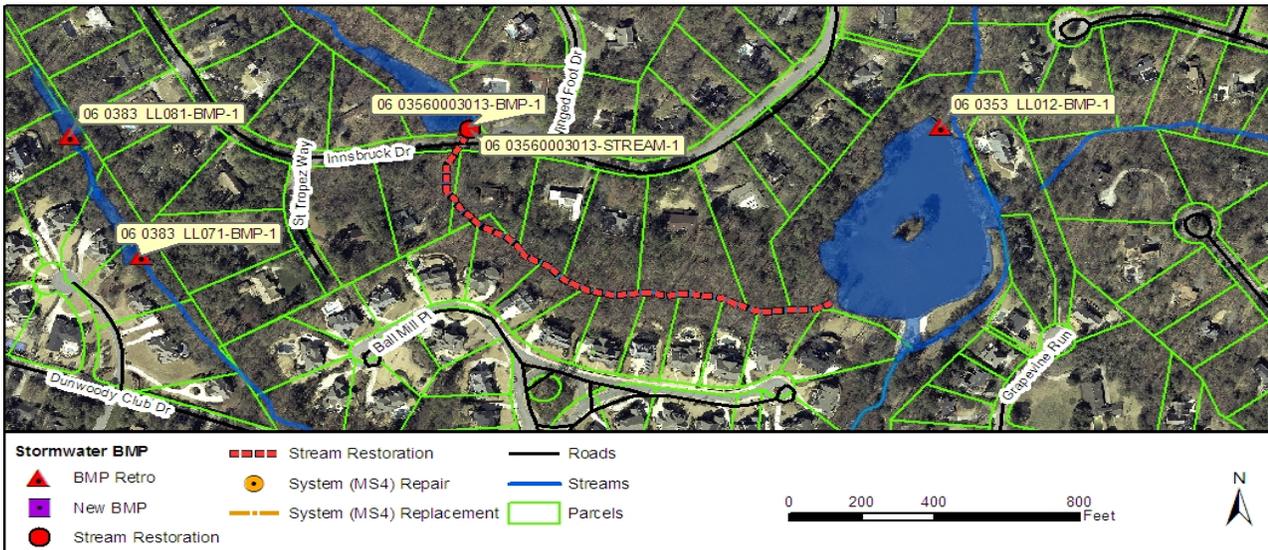


Figure 1 Plan View of Project with Aerial Photography

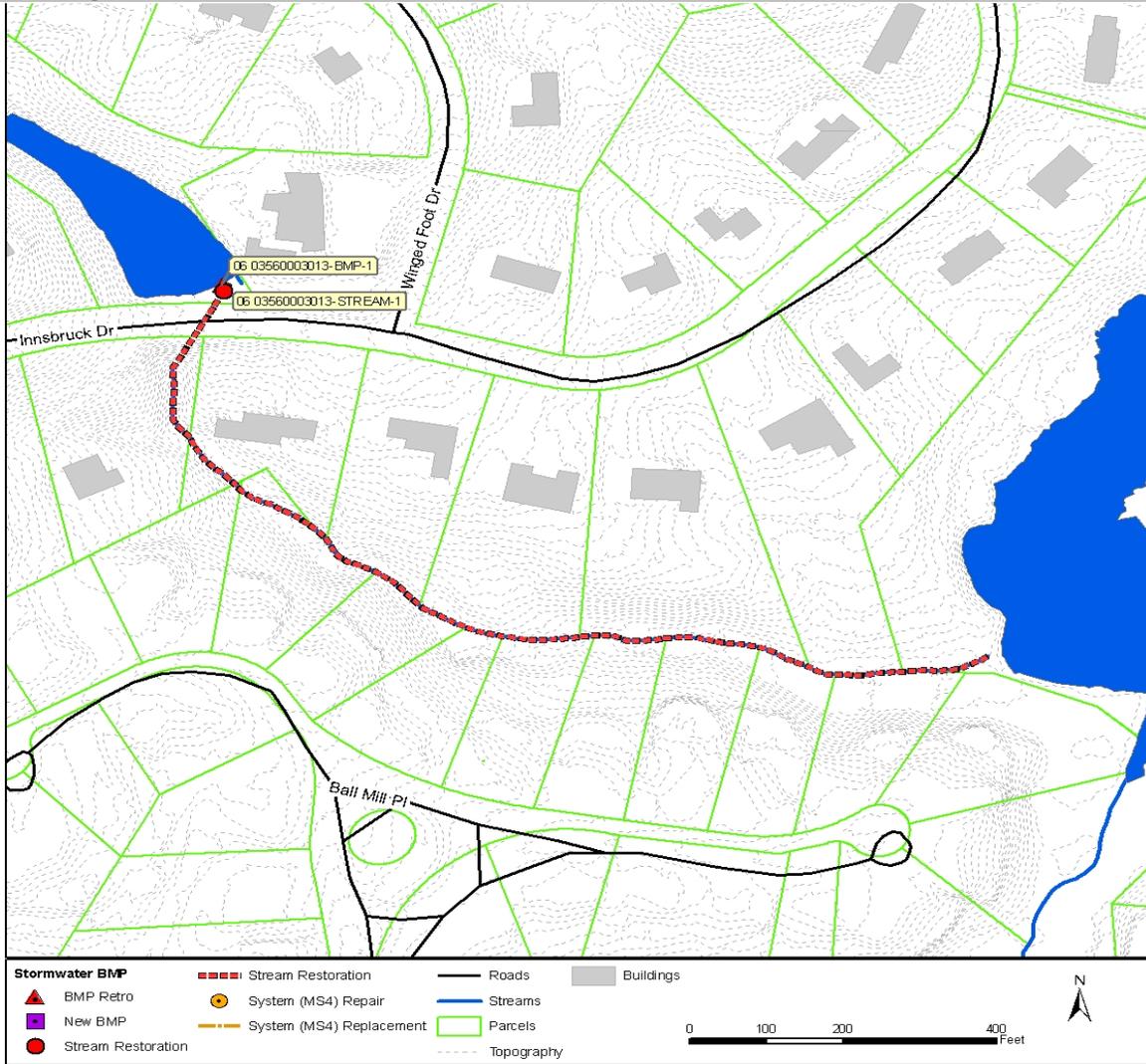


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	31	lb/ac/yr
Asset Ownership:	Not Applicable	Existing Volume:	N/A	ft ³
Parcel Ownership:	Private, City	Potential Volume:	N/A	ft ³
Land Use:	Residential - 1 acre lot size; Streets - Open Ditch/includes ROW	WQ Volume:	N/A	ft ³
		CP Volume:	N/A	ft ³
		25-Year Volume:	N/A	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	1,431	ft
TMDL Stream (Biota):	N	Stream Order:	Offline	
Drainage Area:	15.1 acres	Bank Stability (% exposed):	No Data	No Data
FEMA Flood Hazard Zone:	AE, X	Bank Height:	No Data	No Data
Max Flood Depth Over Road:	N/A ft	Existing Risk:	13.5	
Flood Width Over Road:	N/A ft	Proposed Risk:	8.8	
Structure Type:	N/A	Change in Risk:	4.7	
Pipe Size:	N/A ft	Benefit/Cost:	0.67	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 06 0357 LL049-BMP-1

Asset Number: AGM_18471

Benefit/Cost: 0.89
Estimated Cost: \$330,000

Address: 2395 Spalding Dr Ne

Study Area: Crooked Creek

Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Residential - 1 acre lot size area near Spalding Dr Ne. This project was included in the previous CIP as BC-CDM-82. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve full water quality and a portion of the channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2

No photo available

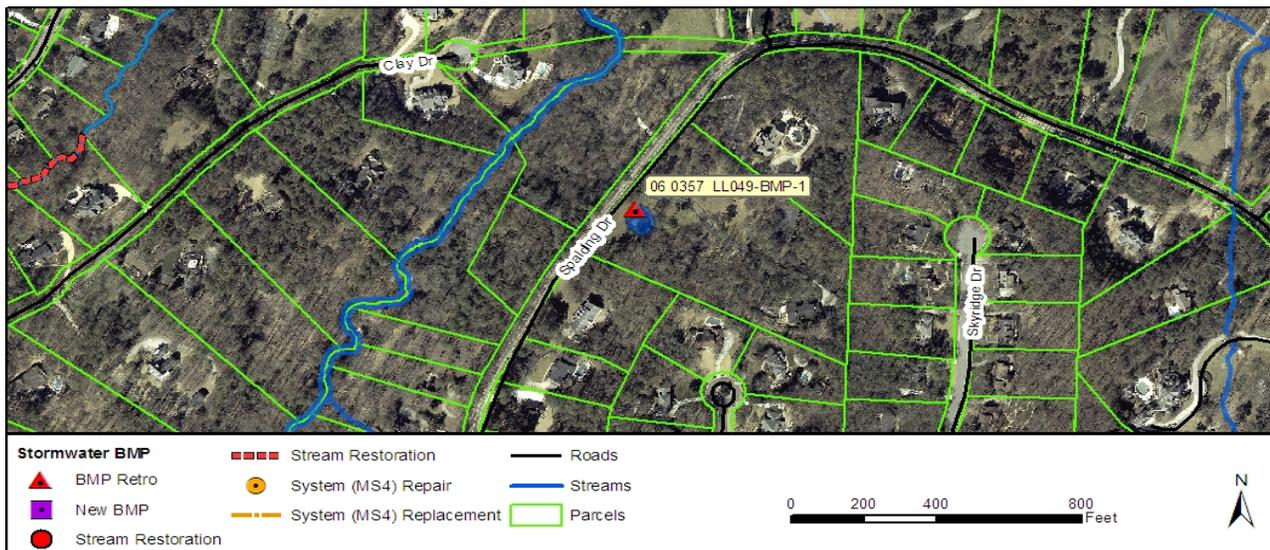


Figure 1 Plan View of Project with Aerial Photography

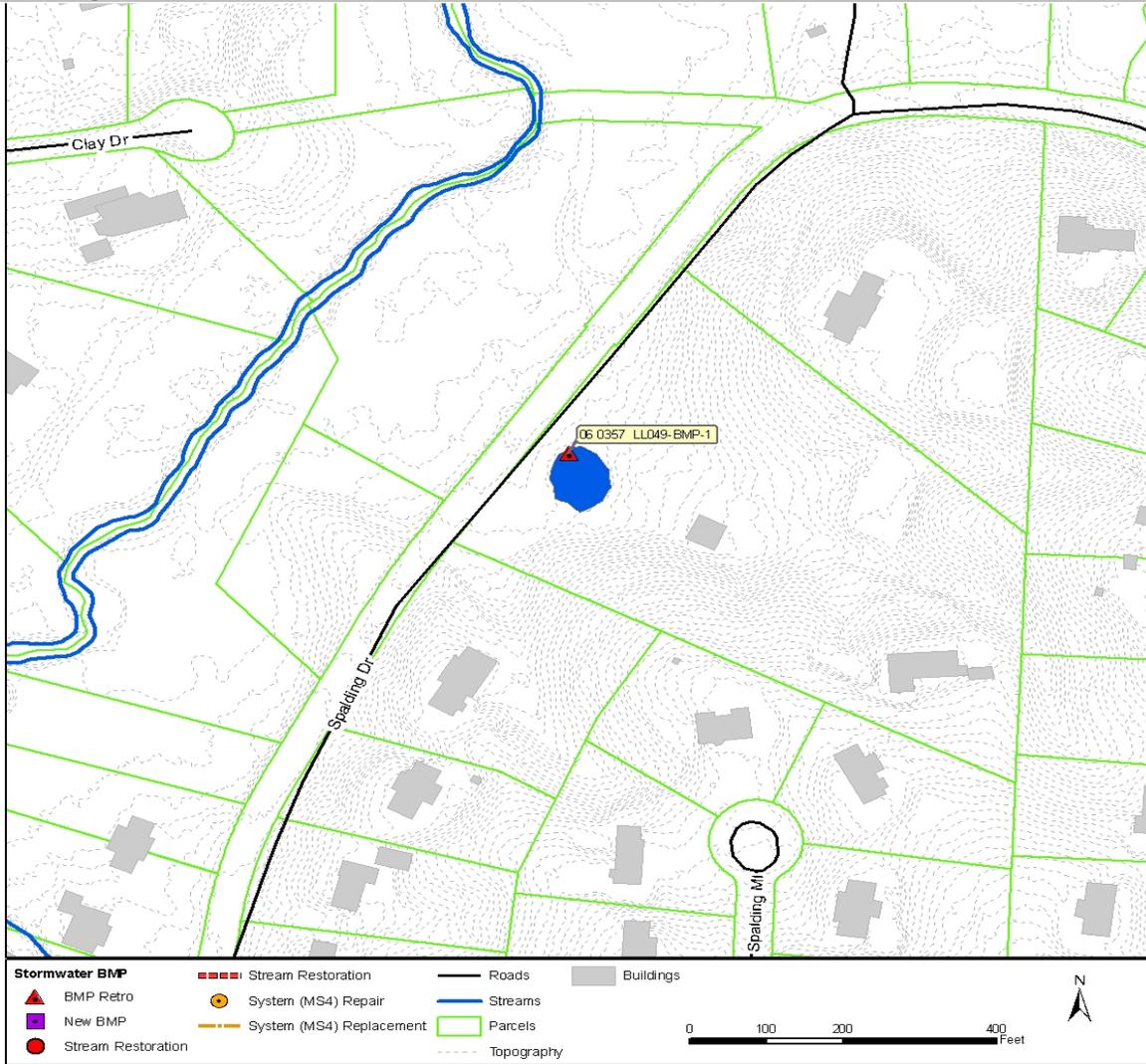


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	24	lb/ac/yr
Asset Ownership:	5: SF Residential-Attach	Existing Volume:	26,435	ft ³
Parcel Ownership:	Private	Potential Volume:	26,435	ft ³
Land Use:	Residential - 1 acre lot size; Water	WQ Volume:	7,167	ft ³
		CP Volume:	25,692	ft ³
		25-Year Volume:	24,303	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y	Stream Order:	Offline	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	8.2 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	10.2	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	6.7	
Flood Width Over Road:	N/A ft	Change in Risk:	3.5	
Structure Type:	N/A	Benefit/Cost:	0.89	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 06 03570002015-STREAM-1

Asset Number: BAC_00042

Benefit/Cost: 0.23
Estimated Cost: \$1,099,000

Address: 1535 Lazy River Ln
Study Area: Crooked Creek
Proposed Project Type: Stream Restoration

Project Description

Level 4 restoration is needed for stabilization project along 1250 foot reach of Ball Mill Creek at Misty Oak Drive between Lazy River Lane and Clay Drive. Erosion problems evident. Ill-advised modifications done by private property owner. Level 4 restoration is proposed where an an incised channel is stabilized in place using in stream structures and bioengineering.

Project Goals

Stabilize streambanks to reduce streambank erosion to decrease suspended sediment loads and improve water quality and instream habitat. Establish and protect a vegetated buffer along the stream. Restore proper dimension, pattern, and profile so the channel will move water and sediment without aggrading or degrading while also considering flood hazards. Work with property owner to encourage near-stream conservation efforts.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

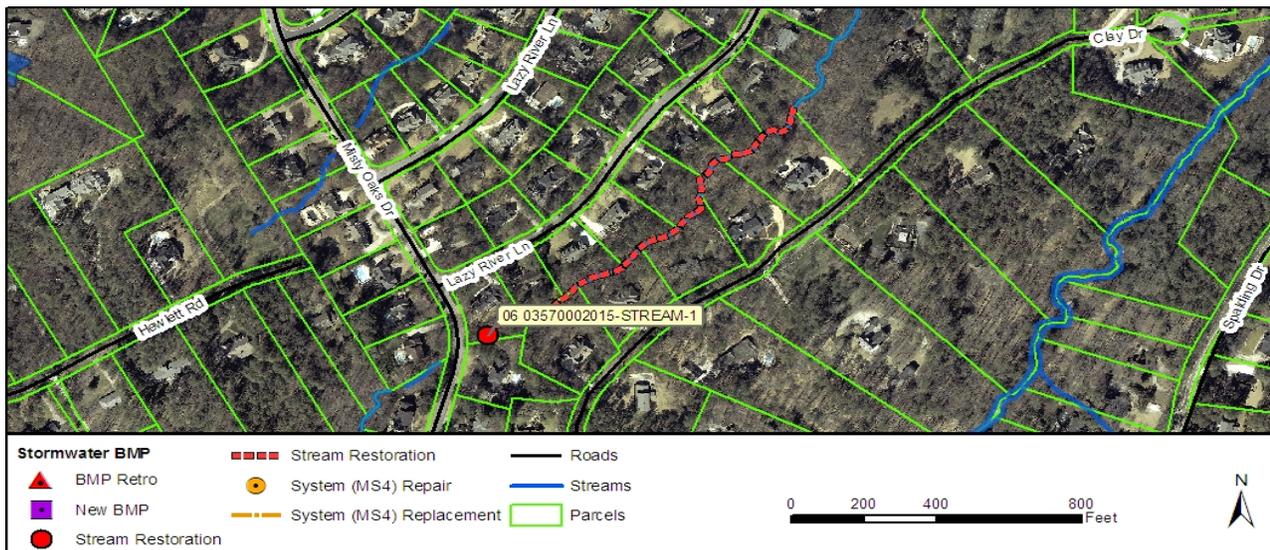


Figure 1 Plan View of Project with Aerial Photography



Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	1,052	lb/ac/yr
Asset Ownership:	Not Applicable	Existing Volume:	N/A	ft ³
Parcel Ownership:	Private	Potential Volume:	N/A	ft ³
Land Use:	Residential - 2 acre lot size; Residential - 1 acre lot size	WQ Volume:	N/A	ft ³
		CP Volume:	N/A	ft ³
		25-Year Volume:	N/A	ft ³
TMDL Stream(FecalColiform):	N	Stream Project Length:	1,217	ft
TMDL Stream (Biota):	N	Stream Order:	1	
Drainage Area:	48.9 acres	Bank Stability (% exposed):	No Data	No Data
FEMA Flood Hazard Zone:	X, X500	Bank Height:	No Data	No Data
Max Flood Depth Over Road:	N/A ft	Existing Risk:	11.5	
Flood Width Over Road:	N/A ft	Proposed Risk:	9.9	
Structure Type:	N/A	Change in Risk:	1.6	
Pipe Size:	N/A ft	Benefit/Cost:	0.23	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 06 03570004007-BMP-1

Asset Number: AGM_18991

Benefit/Cost: 2.52
Estimated Cost: \$226,000

Address: 7 Wildwood Valley
Study Area: Crooked Creek
Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Residential - 2 acre lot size area near Wildwood Valley. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as BC-CDM-86. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve full water quality and a portion of the channel protection benefits by building or significantly redesigning the control structure of the wet pond.

Photos and Maps

Photo 1



Photo 2

No photo available

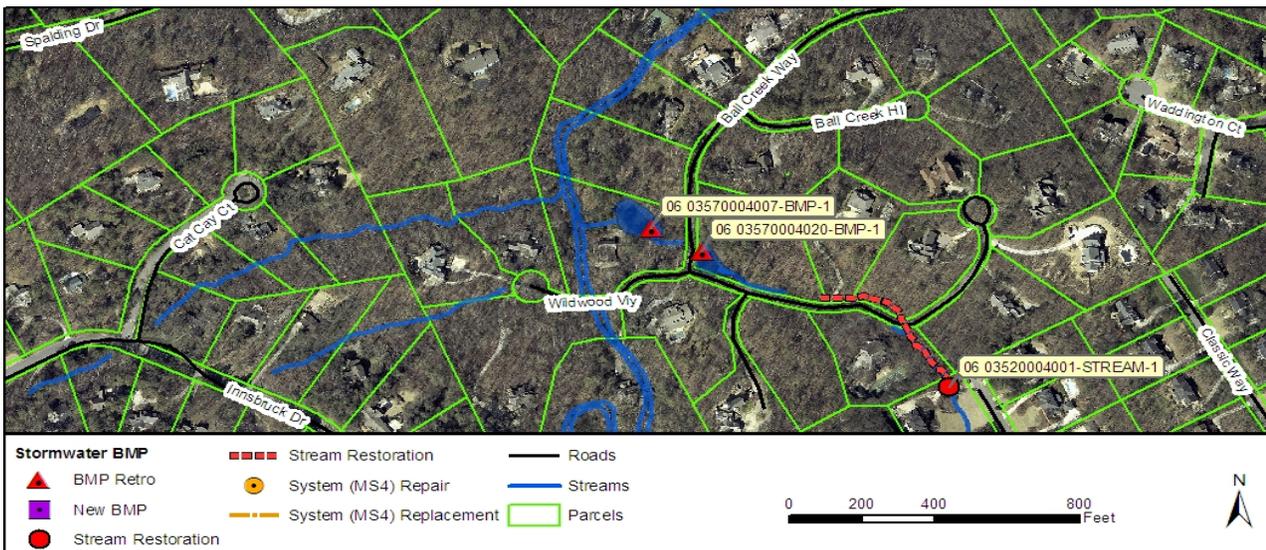


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 06 03570004007-BMP-1
 Asset Number: AGM_18991

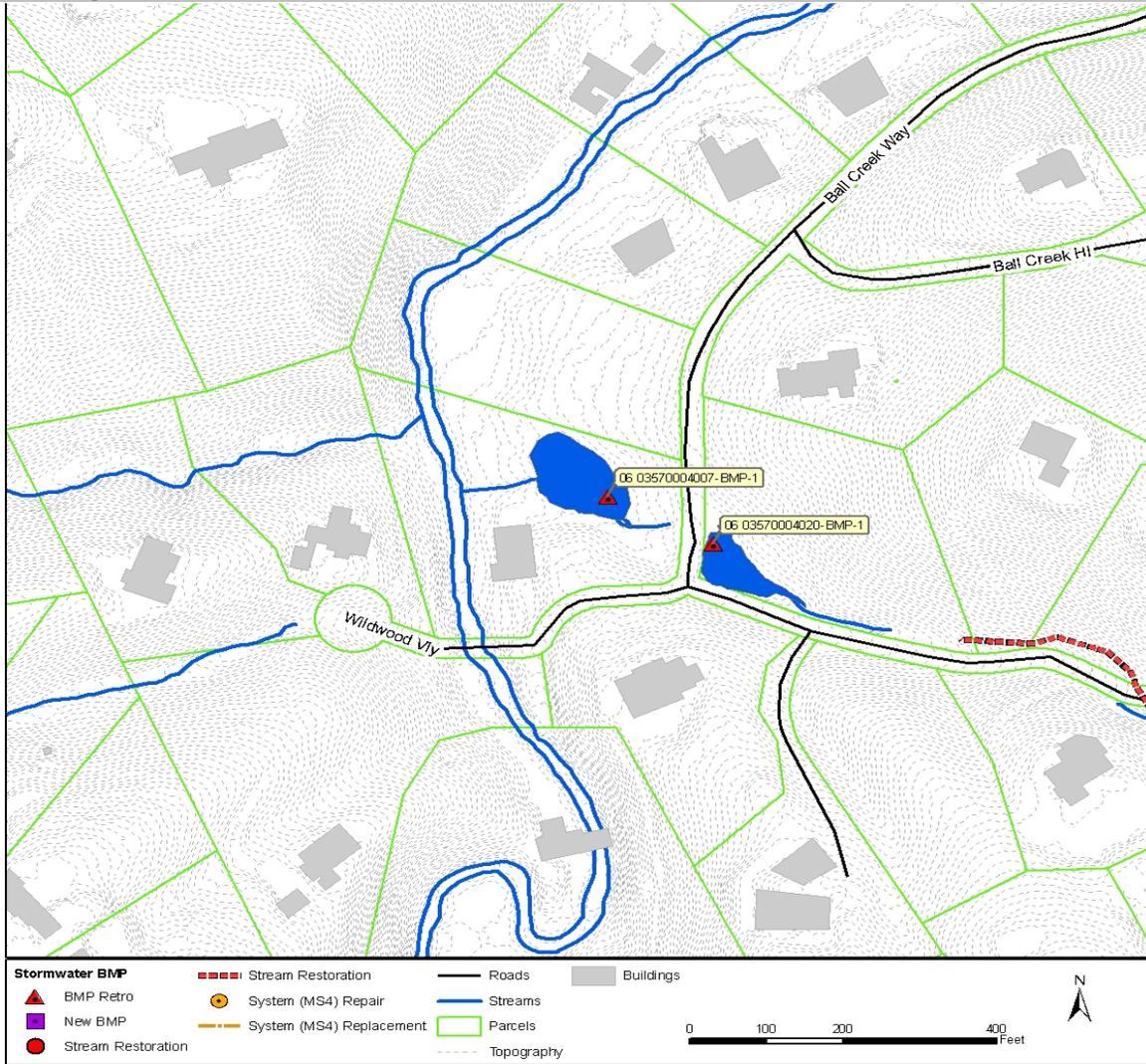


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	438	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach	Existing Volume:	70,173	ft ³
Parcel Ownership:	Private	Potential Volume:	70,173	ft ³
Land Use:	Residential - 2 acre lot size; Water	WQ Volume:	61,924	ft ³
		CP Volume:	180,591	ft ³
		25-Year Volume:	176,177	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	53.2 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	21.2	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	13.6	
Flood Width Over Road:	N/A ft	Change in Risk:	7.6	
Structure Type:	N/A	Benefit/Cost:	2.52	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 06 03570004020-BMP-1

Asset Number: AGM_18957

Benefit/Cost: 2.94
Estimated Cost: \$274,000

Address: 0 Ball Creek Way
Study Area: Crooked Creek
Proposed Project Type: Micropool Extended Detention

Project Description

Retrofit existing wet pond into a micropool extended detention pond. The existing BMP is located in a Residential - 2 acre lot size area near Ball Creek Way. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as BC-CDM-86a. In a micropool extended detention pond, only a small volume of water is maintained at the outlet from the pond. The outlet structure is sized to detain the water quality volume for 24 hours. Temporary storage may also be provided for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve full water quality and channel protection benefits by converting it to a micropool extended detention pond and redesigning the control structure.

Photos and Maps

Photo 1



Photo 2

No photo available

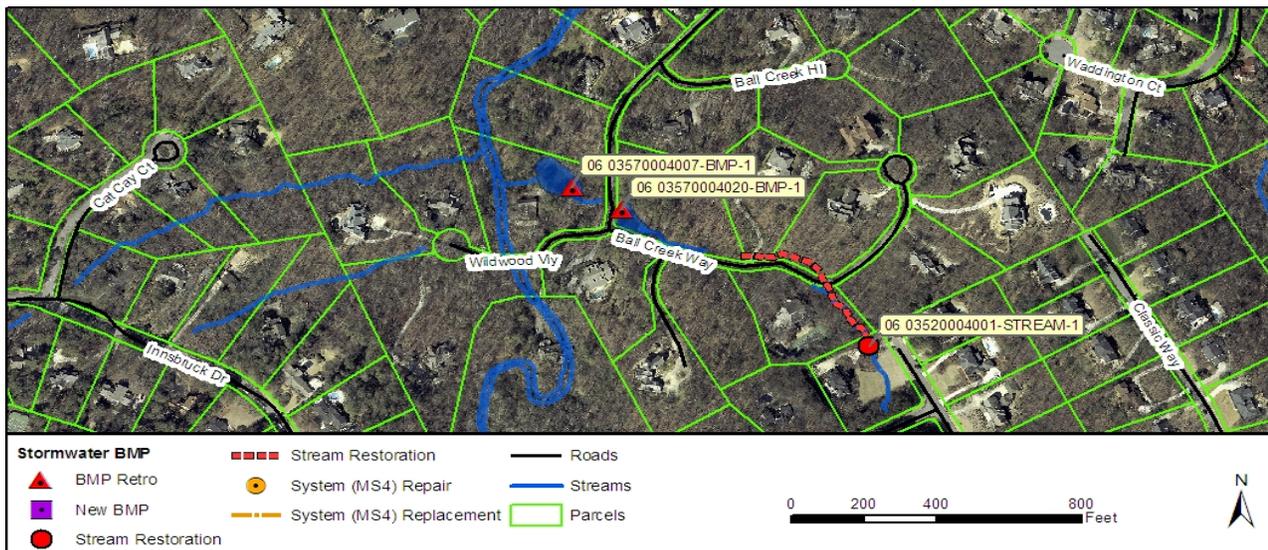


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 06 03570004020-BMP-1
 Asset Number: AGM_18957

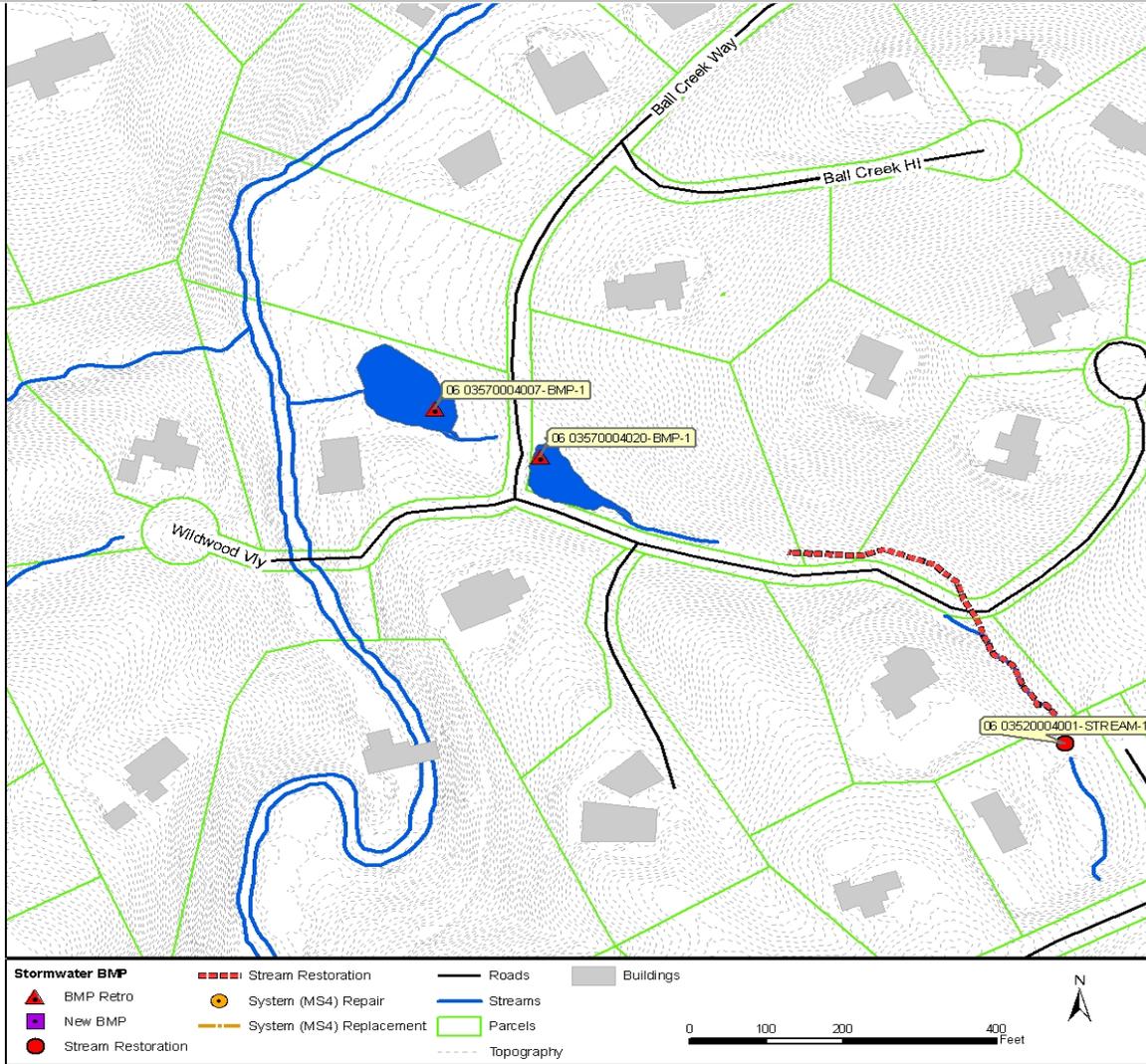


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	510	lb/ac/yr
Asset Ownership:	5: SF Residential-Attach	Existing Volume:	248,523	ft ³
Parcel Ownership:	Private	Potential Volume:	248,523	ft ³
Land Use:	Residential - 2 acre lot size;	WQ Volume:	60,447	ft ³
	Streets -	CP Volume:	176,406	ft ³
	Open/Ditch/Includes ROW;	25-Year Volume:	172,057	ft ³
	Water	Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	52.1 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	23.3	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	11.5	
Flood Width Over Road:	N/A ft	Change in Risk:	11.8	
Structure Type:	N/A	Benefit/Cost:	2.94	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 06 0360 LL001-BMP-1

Asset Number: AGM_18330

Benefit/Cost: 1.98
Estimated Cost: \$555,000

Address: 0 Northridge Dr Ne
Study Area: Crooked Creek
Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Woods area near Northridge Dr Ne. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as BC-CDM-43. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve full water quality and a portion of the channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2

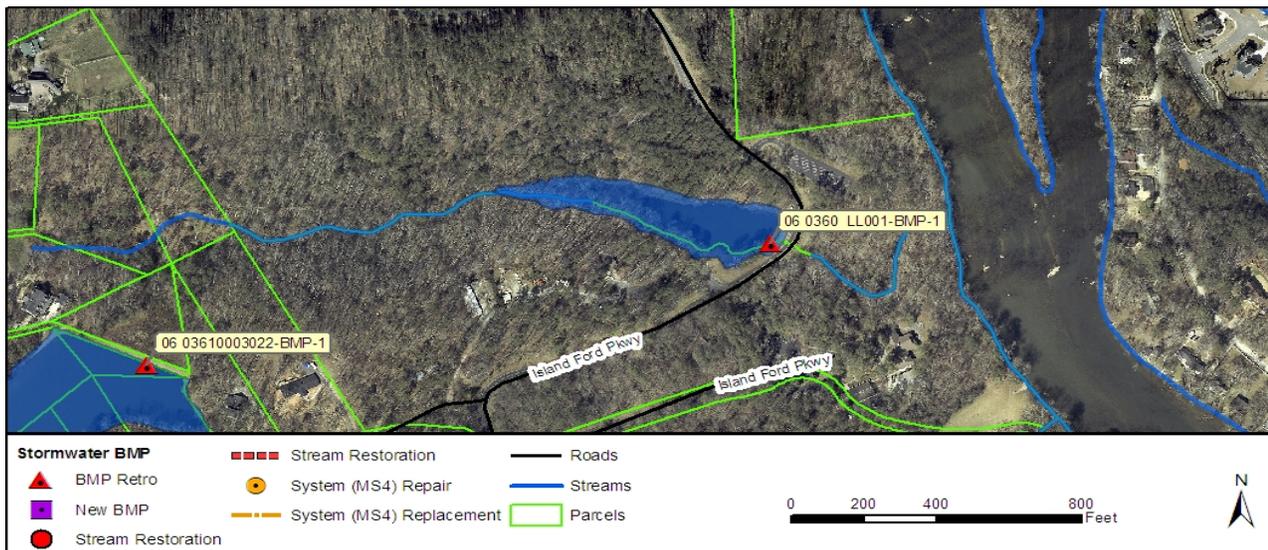


Figure 1 Plan View of Project with Aerial Photography

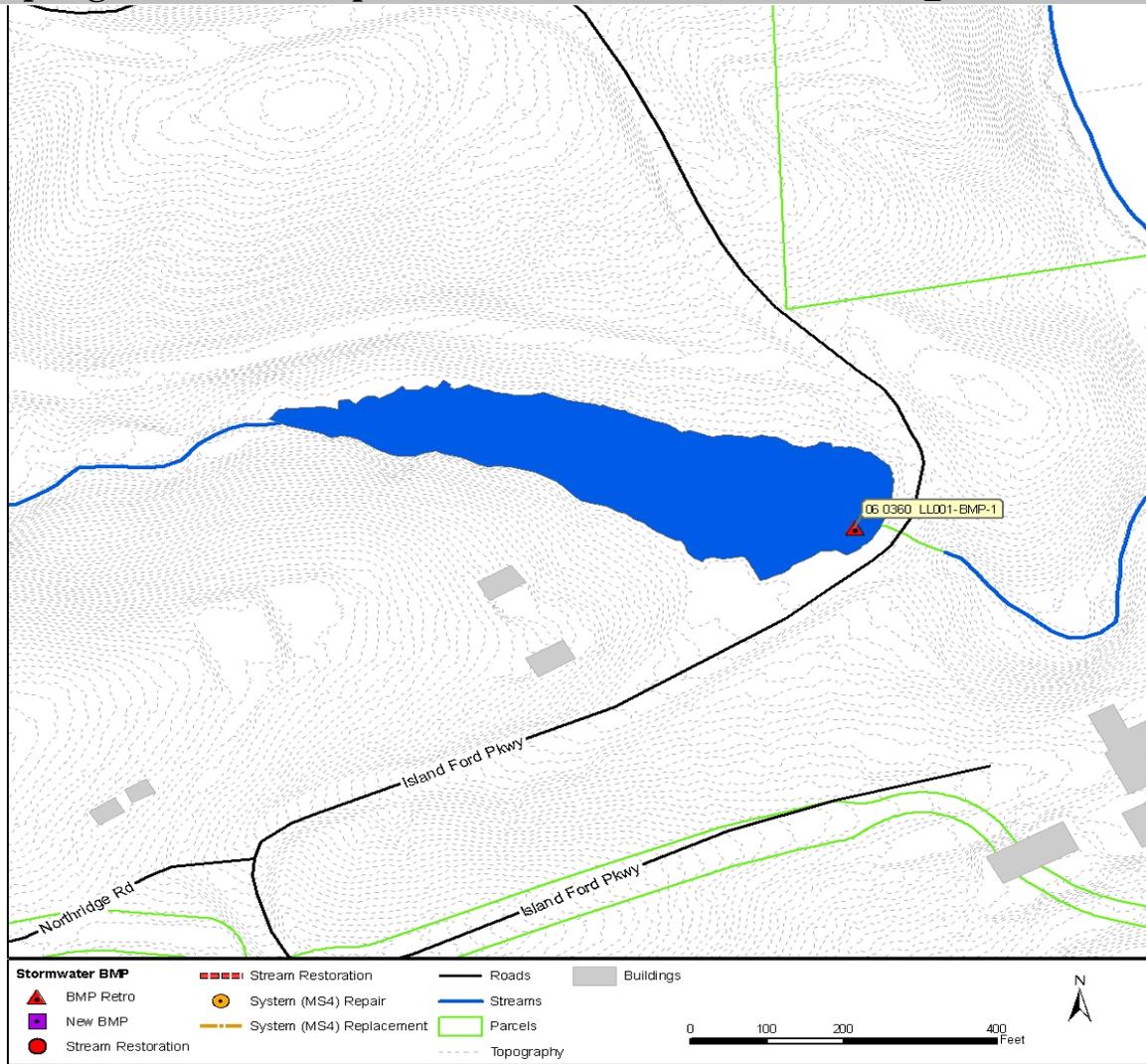


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	465	lb/ac/yr
Asset Ownership:	4: Federal	Existing Volume:	1,554,309	ft ³
Parcel Ownership:	Federal	Potential Volume:	1,554,309	ft ³
Land Use:	Water; Woods	WQ Volume:	298,907	ft ³
		CP Volume:	1,331,329	ft ³
		25-Year Volume:	1,545,126	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	2	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	230.4 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X, X500	Existing Risk:	14.0	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	4.1	
Flood Width Over Road:	N/A ft	Change in Risk:	9.9	
Structure Type:	N/A	Benefit/Cost:	1.98	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 06 0361 LL033-BMP-1

Asset Number: AGM_21757

Benefit/Cost: 1.57
Estimated Cost: \$1,127,000

Address: 0 Ridge Tarn Ne Rear
Study Area: Crooked Creek
Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Residential - 1 acre lot size area near Ridge Tarn Ne Rear. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as BC-CDM-09. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve both full water quality and channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2

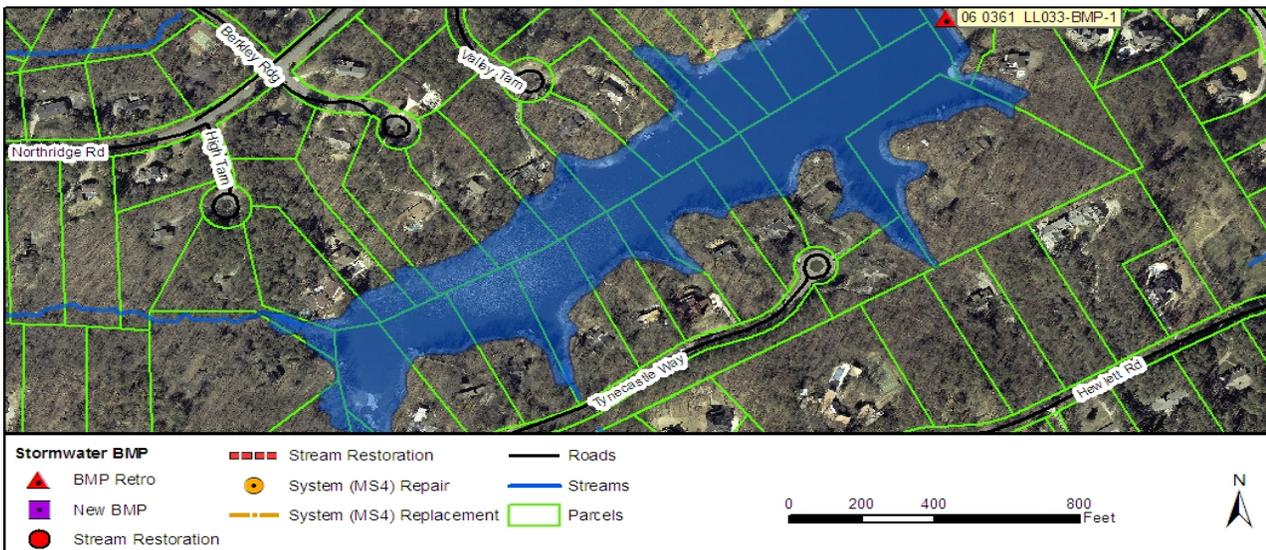


Figure 1 Plan View of Project with Aerial Photography

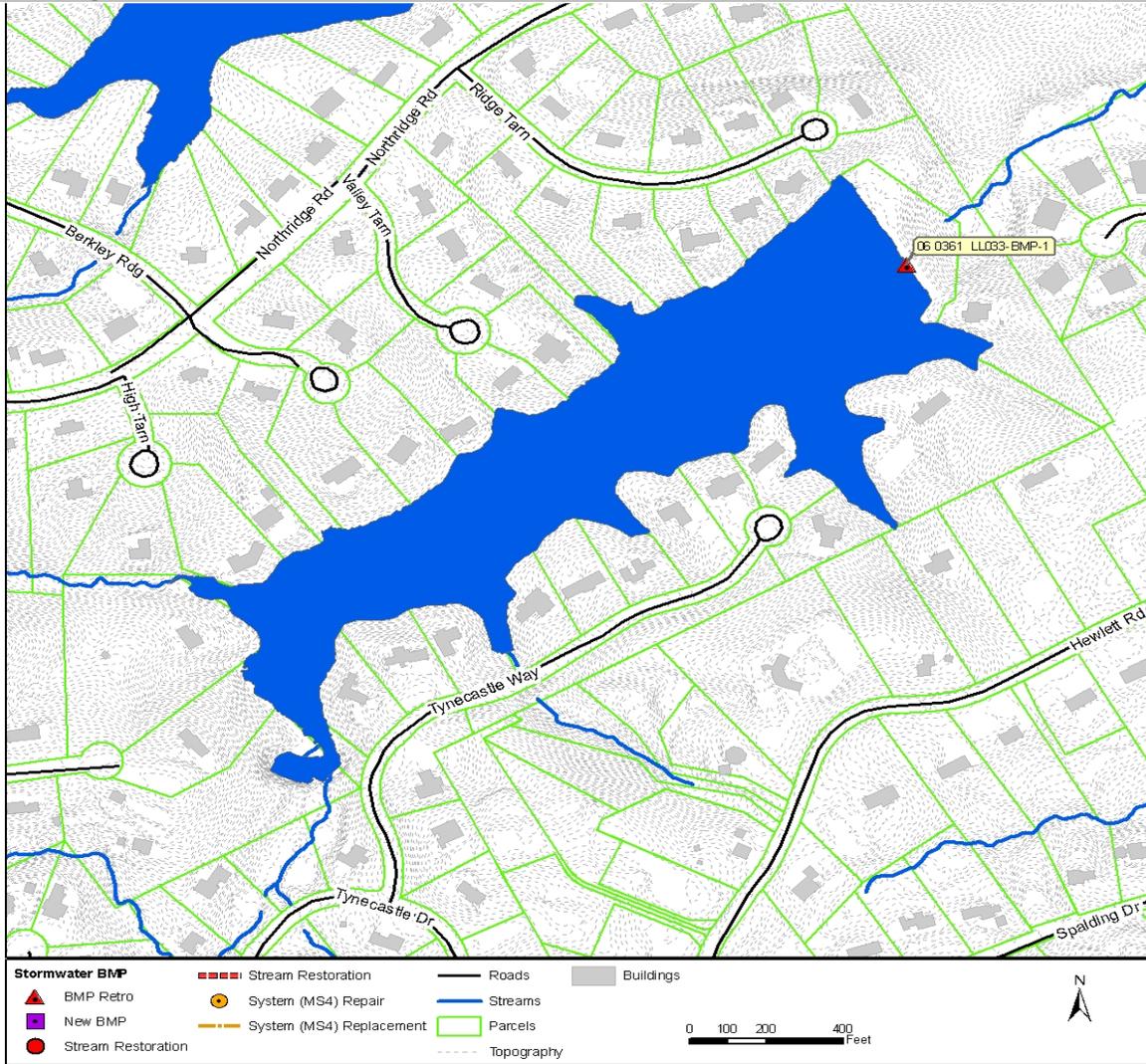


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	360	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach	Existing Volume:	34,038,271	ft ³
Parcel Ownership:	Private	Potential Volume:	34,038,271	ft ³
Land Use:	Residential - 1 acre lot size; Water	WQ Volume:	388,886	ft ³
		CP Volume:	1,361,812	ft ³
		25-Year Volume:	1,468,092	ft ³
TMDL Stream(FecalColiform):	N	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	N	Stream Order:	2	
Drainage Area:	323.1 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X, X500	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	14.7	
Flood Width Over Road:	N/A ft	Proposed Risk:	3.7	
Structure Type:	N/A	Change in Risk:	11.0	
Pipe Size:	N/A ft	Benefit/Cost:	1.57	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 06 03610003022-BMP-1

Asset Number: AGM_21724

Benefit/Cost: 1.50
Estimated Cost: \$775,000

Address: 1672 Huntingdon Trl
Study Area: Crooked Creek
Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond . The existing BMP is located in a Residential - 1 acre lot size area near Huntingdon Trl. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as BC-CDM-25. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve both full water quality and channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2

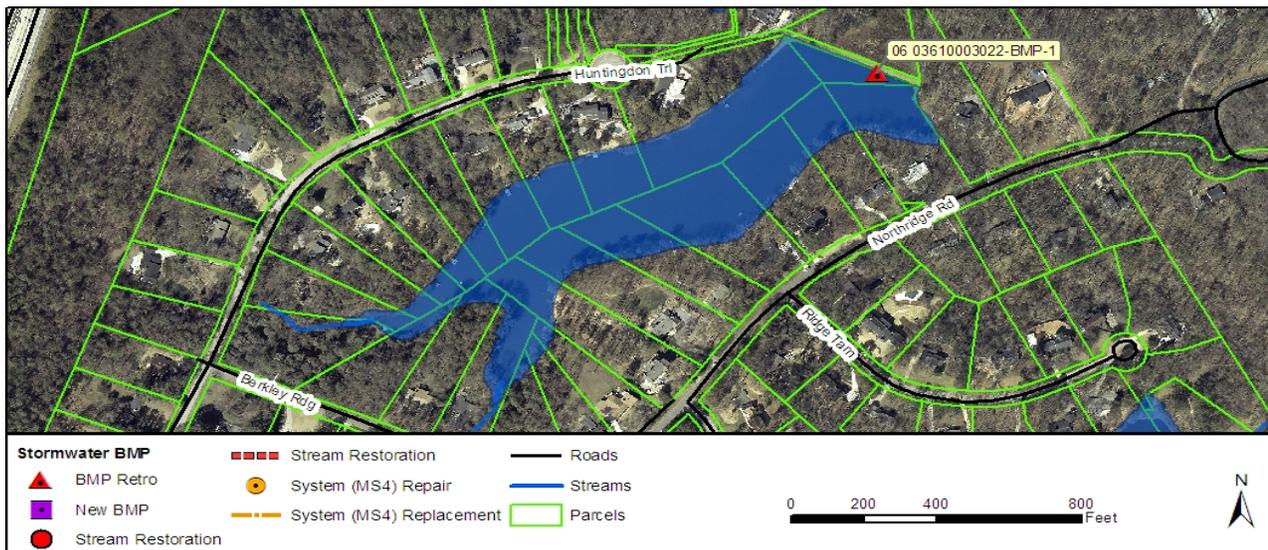


Figure 1 Plan View of Project with Aerial Photography

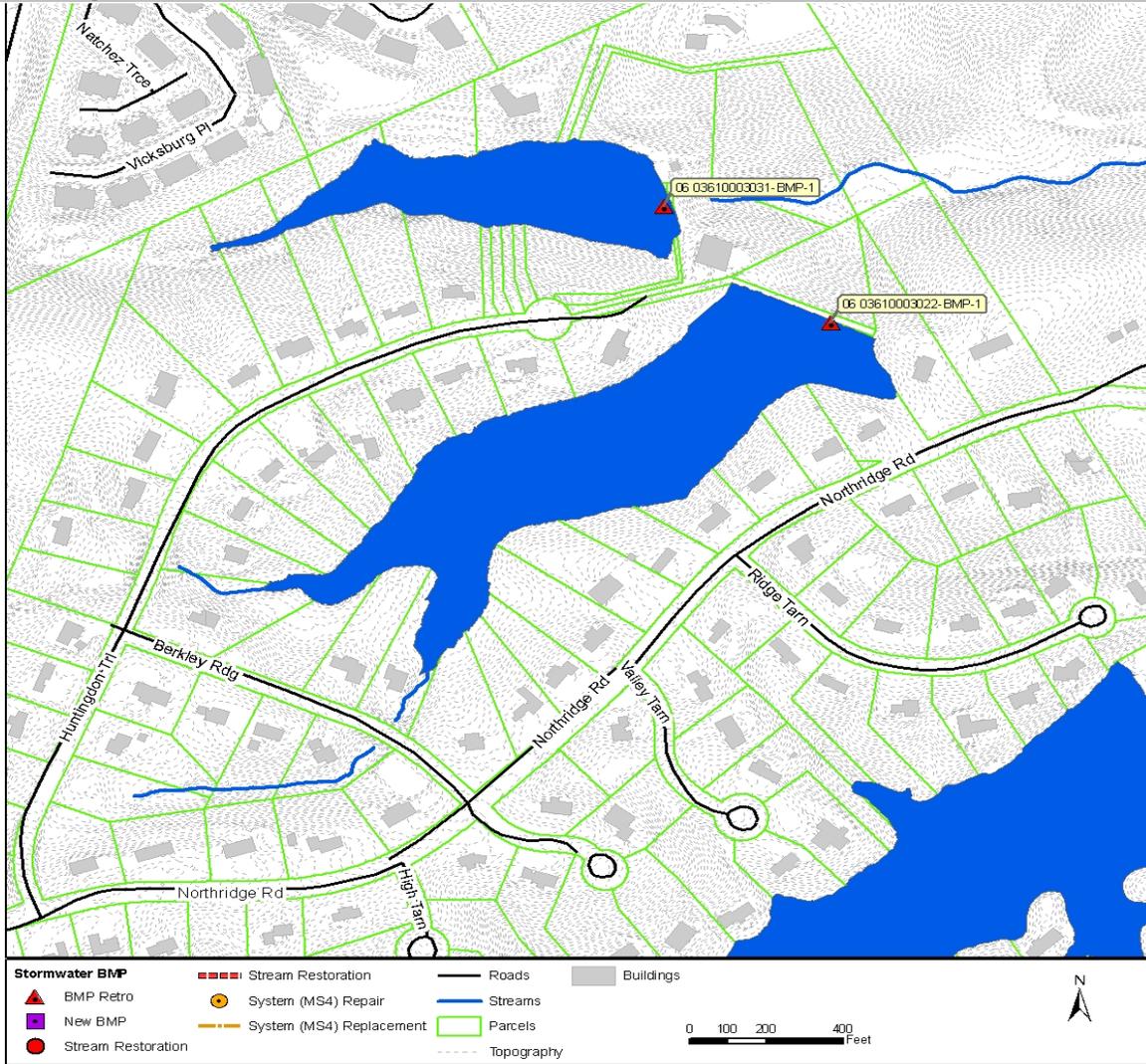


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	332	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach	Existing Volume:	11,067,036	ft ³
Parcel Ownership:	Private	Potential Volume:	11,067,036	ft ³
Land Use:	Residential - 1 acre lot size; Water	WQ Volume:	177,164	ft ³
		CP Volume:	719,043	ft ³
		25-Year Volume:	862,441	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	2	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	114.9 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	12.7	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	3.7	
Flood Width Over Road:	N/A ft	Change in Risk:	9.0	
Structure Type:	N/A	Benefit/Cost:	1.50	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 06 03610003031-BMP-1

Asset Number: AGM_21718

Benefit/Cost: 1.61
Estimated Cost: \$513,000

Address: 0 Huntingdon Trl
Study Area: Crooked Creek
Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Residential - 1 acre lot size area near Huntingdon Trl. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as BC-CDM-15. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve both full water quality and channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2

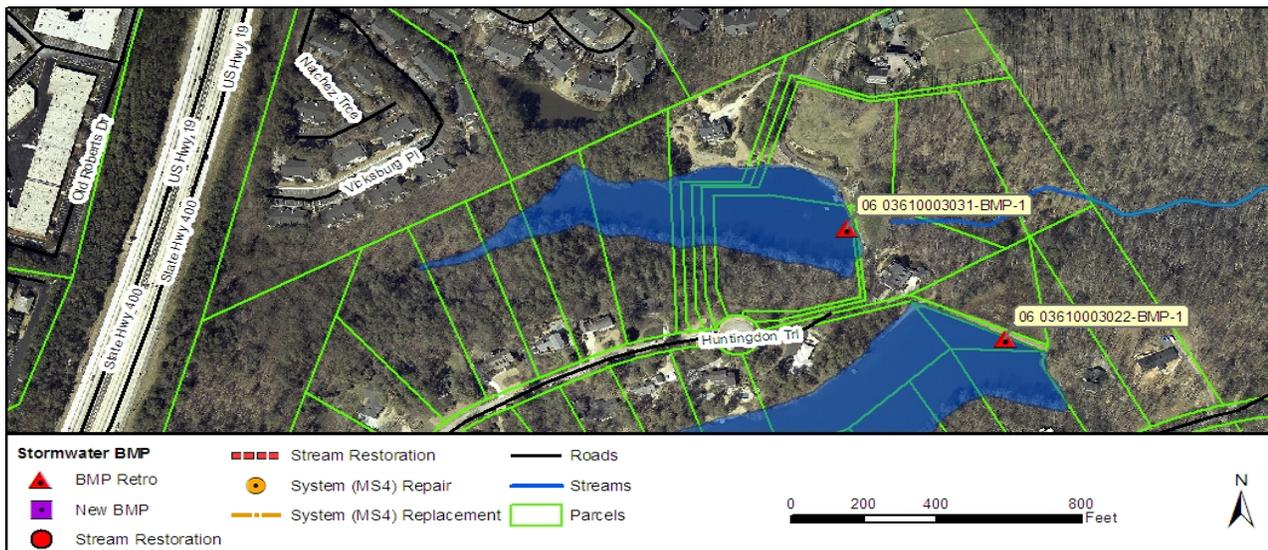


Figure 1 Plan View of Project with Aerial Photography

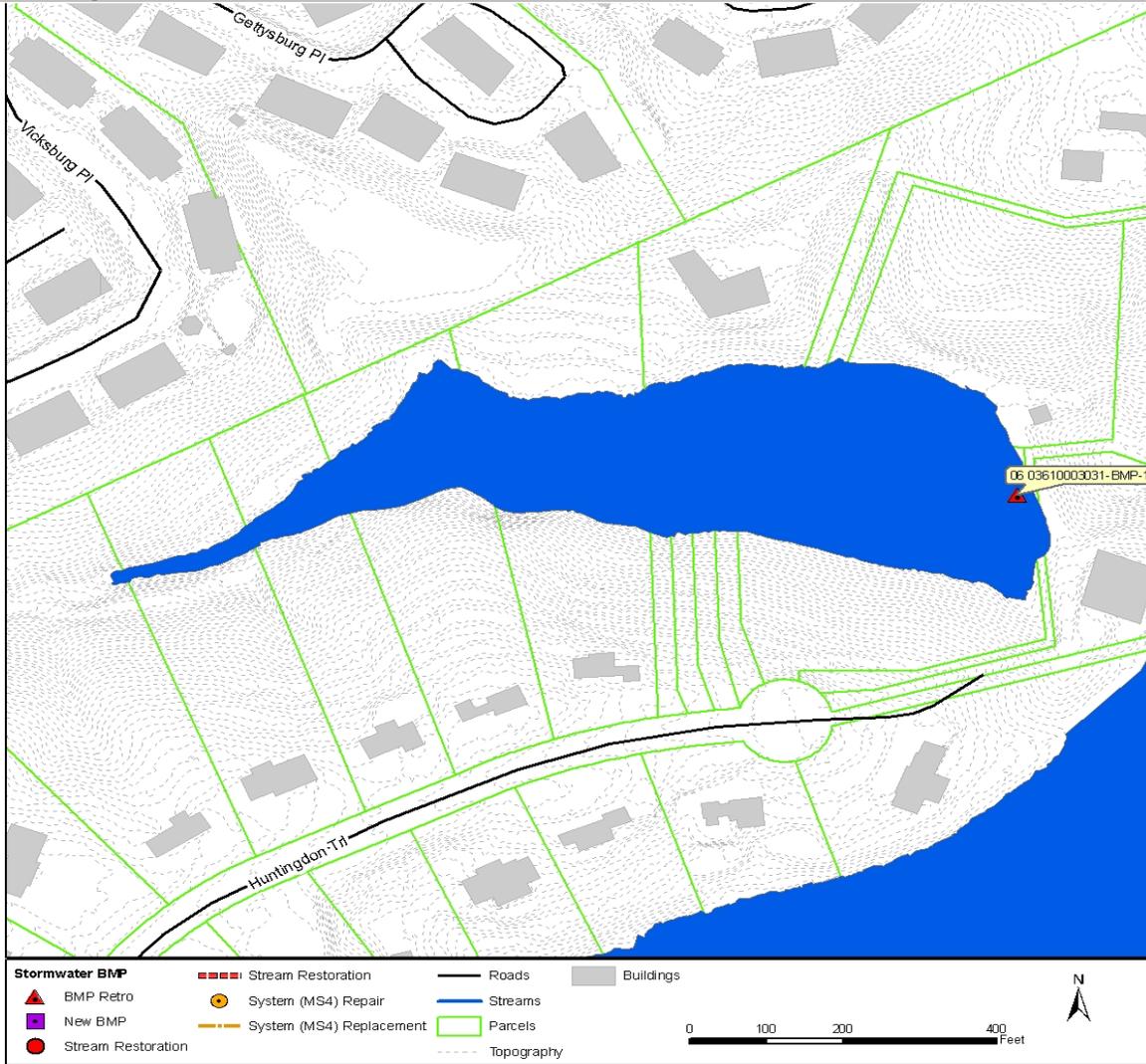


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	143	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach	Existing Volume:	4,204,120	ft ³
Parcel Ownership:	Private	Potential Volume:	4,204,120	ft ³
Land Use:	Residential - 1 acre lot size; Water	WQ Volume:	93,284	ft ³
		CP Volume:	453,272	ft ³
		25-Year Volume:	562,566	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	61.0 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X, X500	Existing Risk:	11.8	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	3.7	
Flood Width Over Road:	N/A ft	Change in Risk:	8.0	
Structure Type:	N/A	Benefit/Cost:	1.61	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 06 03630001062-STREAM-1

Asset Number: BAC_00039

Benefit/Cost: 0.71
Estimated Cost: \$1,117,000

Address: 5511 Wing St
Study Area: Marsh Creek
Proposed Project Type: Stream Restoration

Project Description

Level 4 restoration is needed for stabilization project along 1,250 foot reach of a tributary north of Wing Street and west of Hope Road near Dunwoody Springs Apartment Complex. Area is commercial east of Roswell Road. Erosion and sedimentation problems evident. Numerous trees in channel or near collapse. A collapsed culvert headwall is present. Level 4 restoration is proposed where an incised channel is stabilized in place using in stream structures and bioengineering.

Project Goals

Stabilize streambanks to reduce streambank erosion to decrease suspended sediment loads and improve water quality and instream habitat. Establish and protect a vegetated buffer along the stream. Restore proper dimension, pattern, and profile so the channel will move water and sediment without aggrading or degrading while also considering flood hazards. Work with property owner to encourage near-stream conservation efforts.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

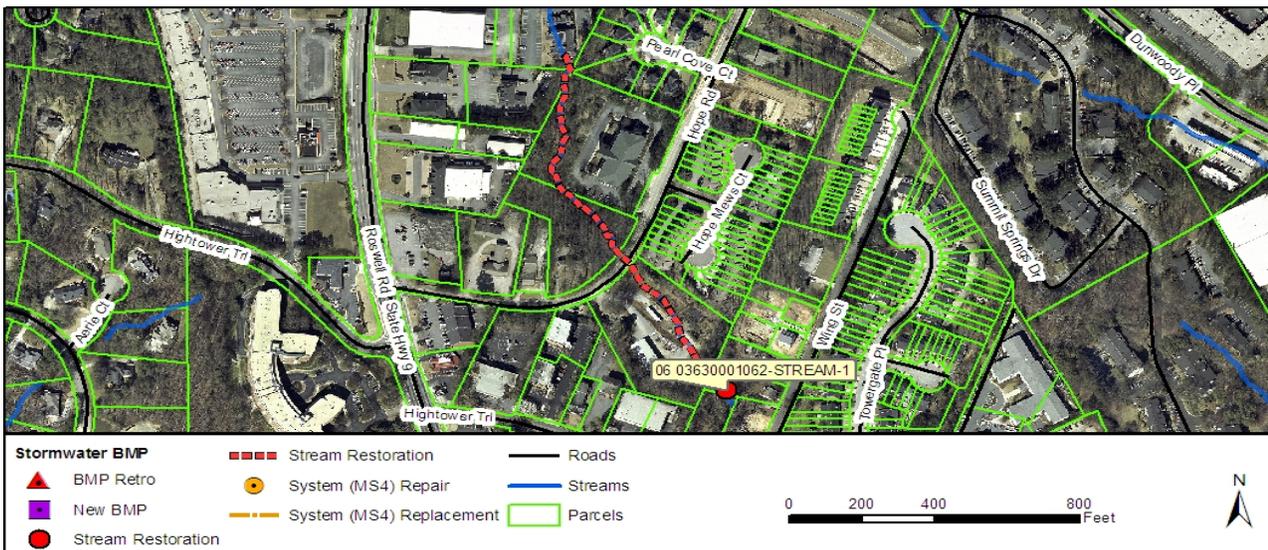


Figure 1 Plan View of Project with Aerial Photography



Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 2	TSS Yield:	442	lb/ac/yr
Asset Ownership:	Not Applicable	Existing Volume:	N/A	ft ³
Parcel Ownership:	Private, City	Potential Volume:	N/A	ft ³
Land Use:	Commercial; Industrial; Residential - 1 acre lot size	WQ Volume:	N/A	ft ³
		CP Volume:	N/A	ft ³
		25-Year Volume:	N/A	ft ³
TMDL Stream(FecalColiform):	N	Stream Project Length:	1,257	ft
TMDL Stream (Biota):	N	Stream Order:	Offline	
Drainage Area:	5.3 acres	Bank Stability (% exposed):	No Data	No Data
FEMA Flood Hazard Zone:	X	Bank Height:	No Data	No Data
Max Flood Depth Over Road:	N/A ft	Existing Risk:	11.8	
Flood Width Over Road:	N/A ft	Proposed Risk:	6.8	
Structure Type:	N/A	Change in Risk:	5.0	
Pipe Size:	N/A ft	Benefit/Cost:	0.71	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 06 03630001082-BMP-1

Asset Number: AGM_26082

Benefit/Cost: 2.14
Estimated Cost: \$414,000

Address: 0 Roswell Rd
Study Area: Marsh Creek
Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Residential - 1 acre lot size area near Roswell Rd. This project was included in the previous CIP as BC-CDM-59. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve both full water quality and channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2

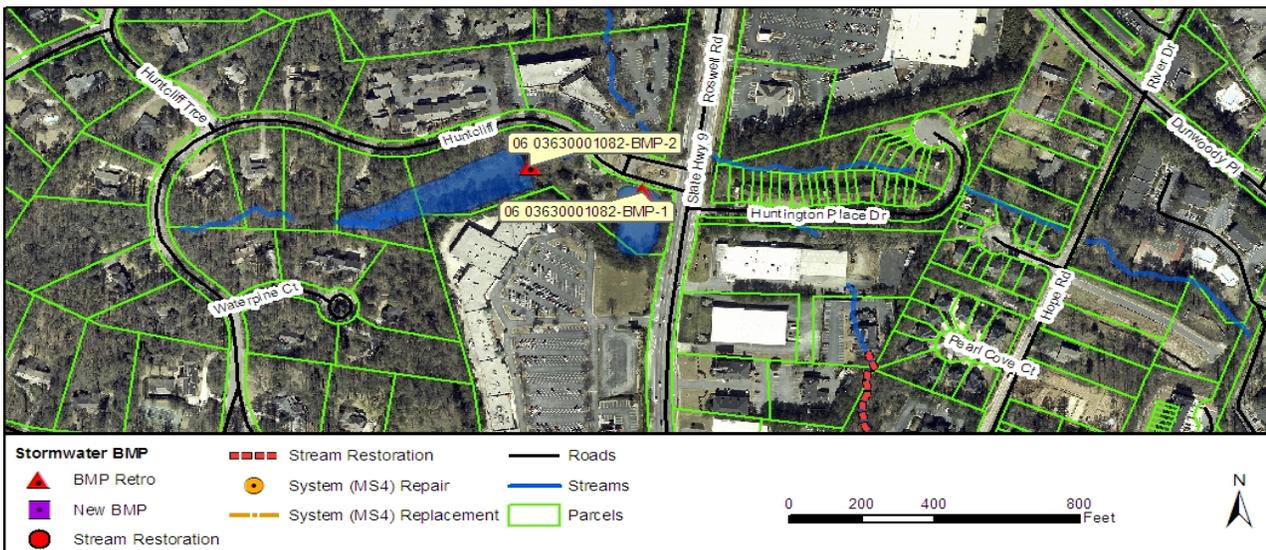


Figure 1 Plan View of Project with Aerial Photography

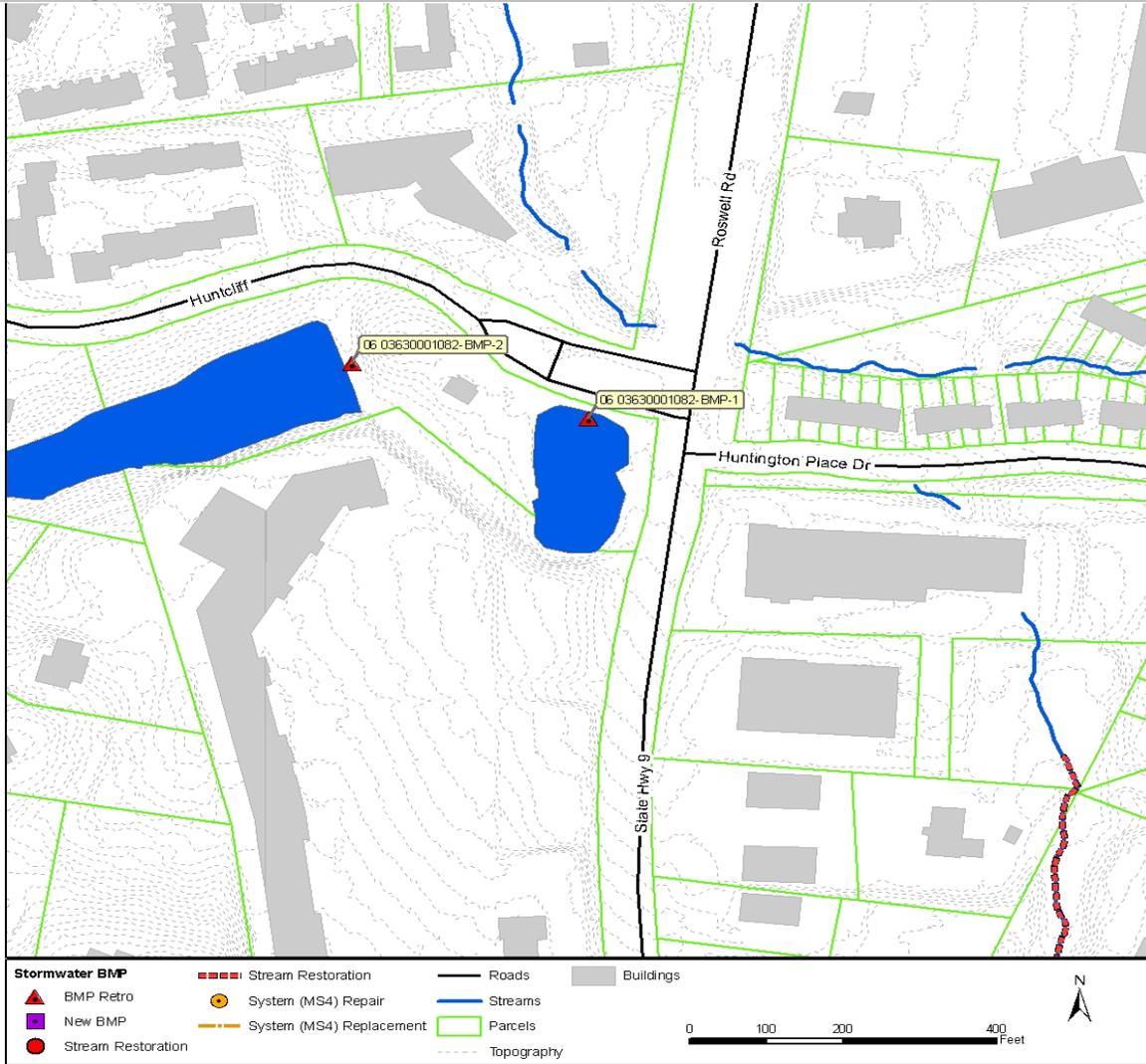


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 2	TSS Yield:	151	lb/ac/yr
Asset Ownership:	6: Non SF Res-Attached	Existing Volume:	223,639	ft ³
Parcel Ownership:	Private	Potential Volume:	223,639	ft ³
Land Use:	Residential - 1 acre lot size; Water	WQ Volume:	22,867	ft ³
		CP Volume:	91,041	ft ³
		25-Year Volume:	118,995	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	Offline	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	10.1 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500	Existing Risk:	10.7	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	2.1	
Flood Width Over Road:	N/A ft	Change in Risk:	8.6	
Structure Type:	N/A	Benefit/Cost:	2.14	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation Sandy Springs Watershed Improvement Plan

Project ID: 06 03630001082-BMP-2

Asset Number: AGM_26076

Benefit/Cost: 1.01
Estimated Cost: \$464,000

Address: 0 Roswell Rd
Study Area: Marsh Creek
Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Residential - 1 acre lot size area near Roswell Rd. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as BC-CDM-78. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve both full water quality and channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay and removing trees from the dam embankment.

Photos and Maps

Photo 1



Photo 2

No photo available

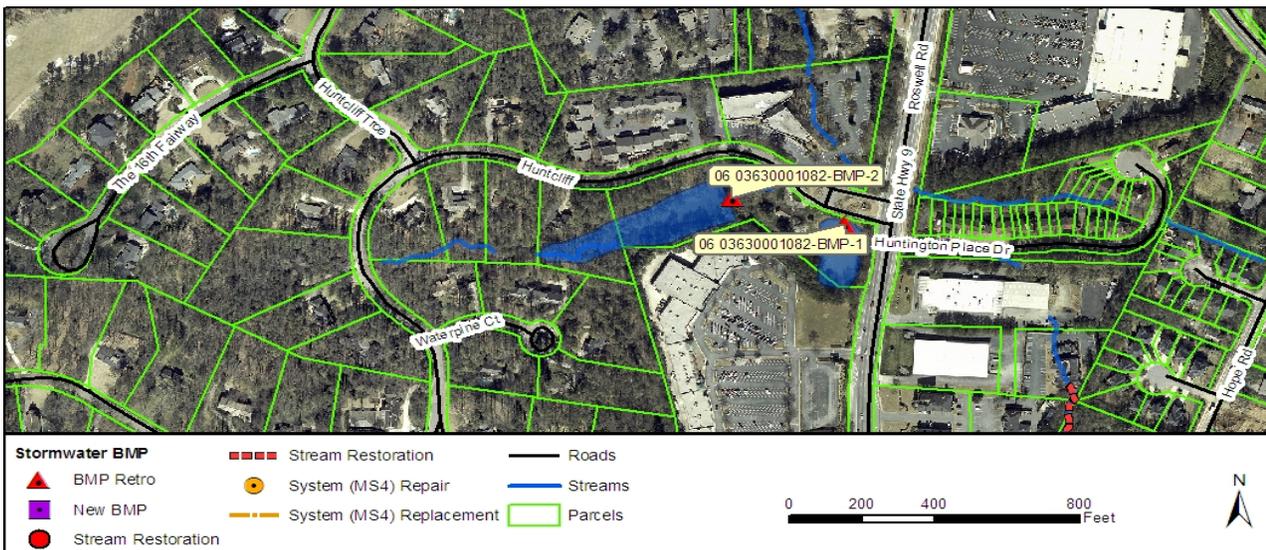


Figure 1 Plan View of Project with Aerial Photography

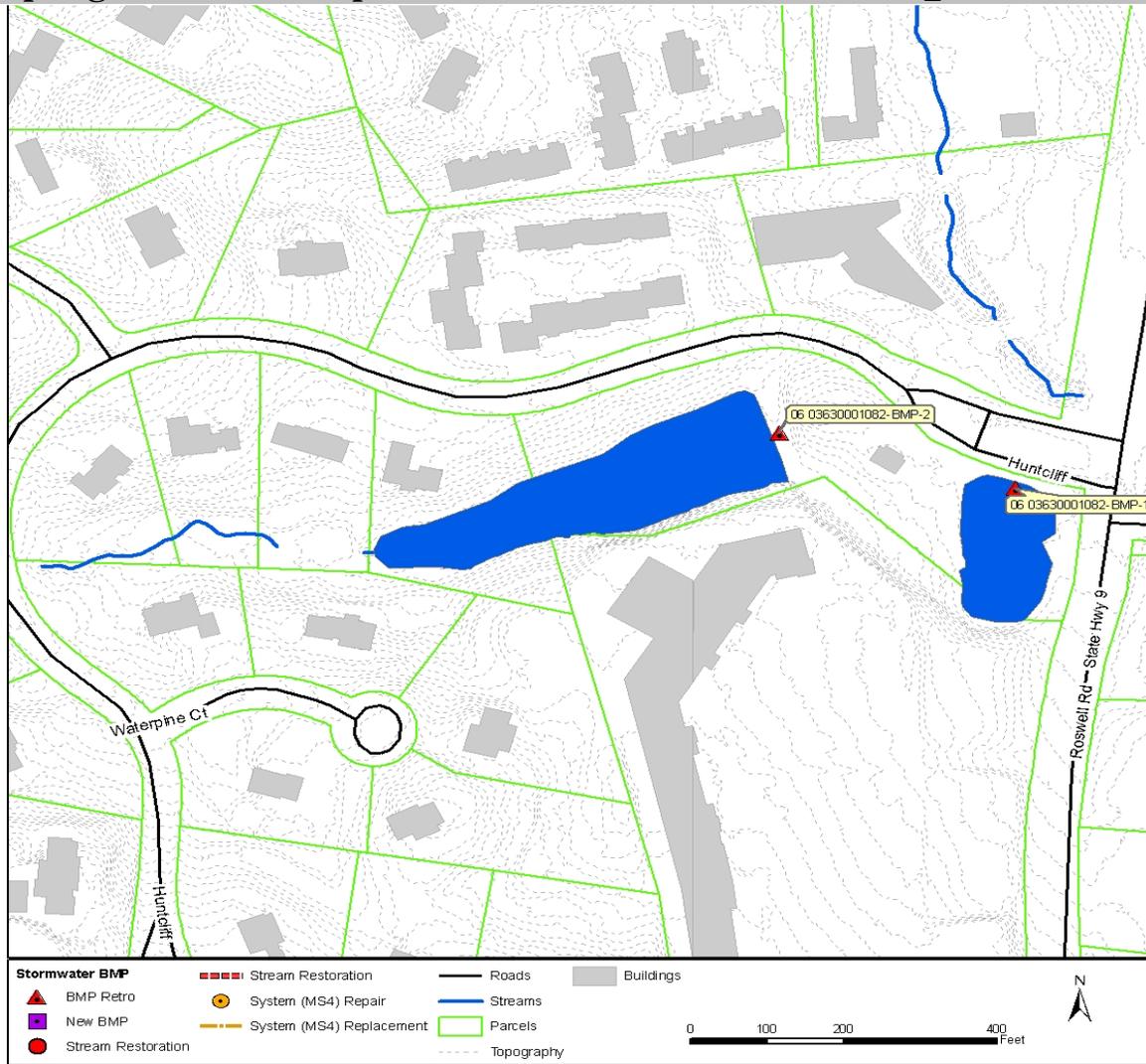


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 2	TSS Yield:	210	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	1,366,259	ft ³
Parcel Ownership:	Private	Potential Volume:	1,366,259	ft ³
Land Use:	Residential - 1 acre lot size; Water	WQ Volume:	58,236	ft ³
		CP Volume:	210,153	ft ³
		25-Year Volume:	231,585	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	50.1 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	6.1	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	2.1	
Flood Width Over Road:	N/A ft	Change in Risk:	4.0	
Structure Type:	N/A	Benefit/Cost:	1.01	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 06 0364 LL051-BMP-1

Asset Number: AGM_24299

Benefit/Cost: 1.78
Estimated Cost: \$467,000

Address: 8600 Roberts Dr
Study Area: Crooked Creek
Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Commercial area near Roberts Dr. This project was included in the previous CIP as BC-CDM-29. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve both full water quality and channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay and removing trees from the dam embankment.

Photos and Maps

Photo 1



Photo 2

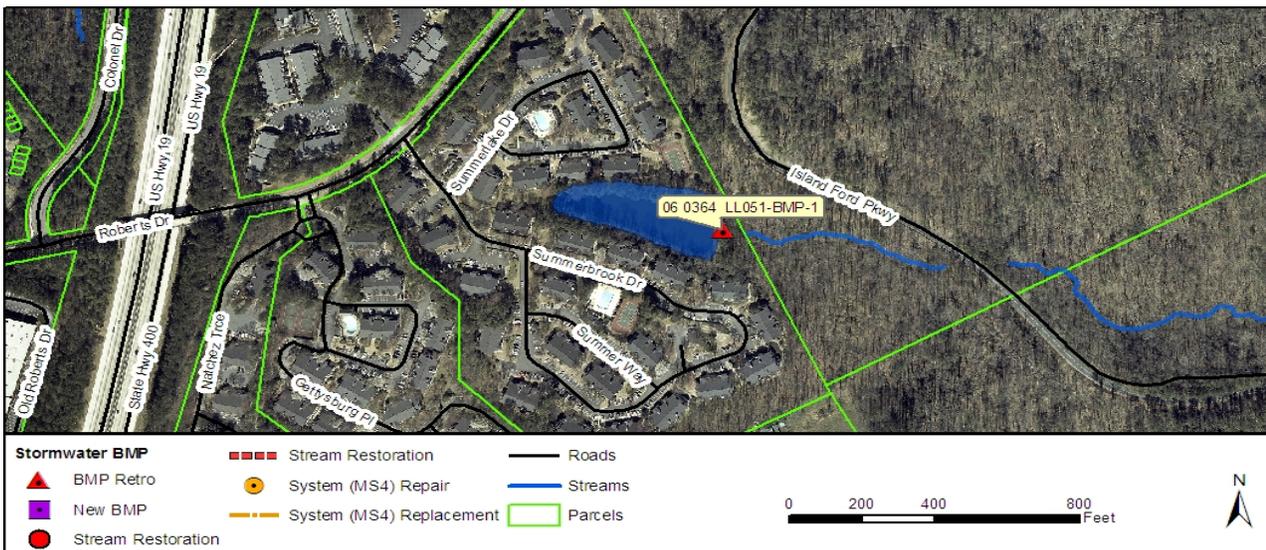


Figure 1 Plan View of Project with Aerial Photography

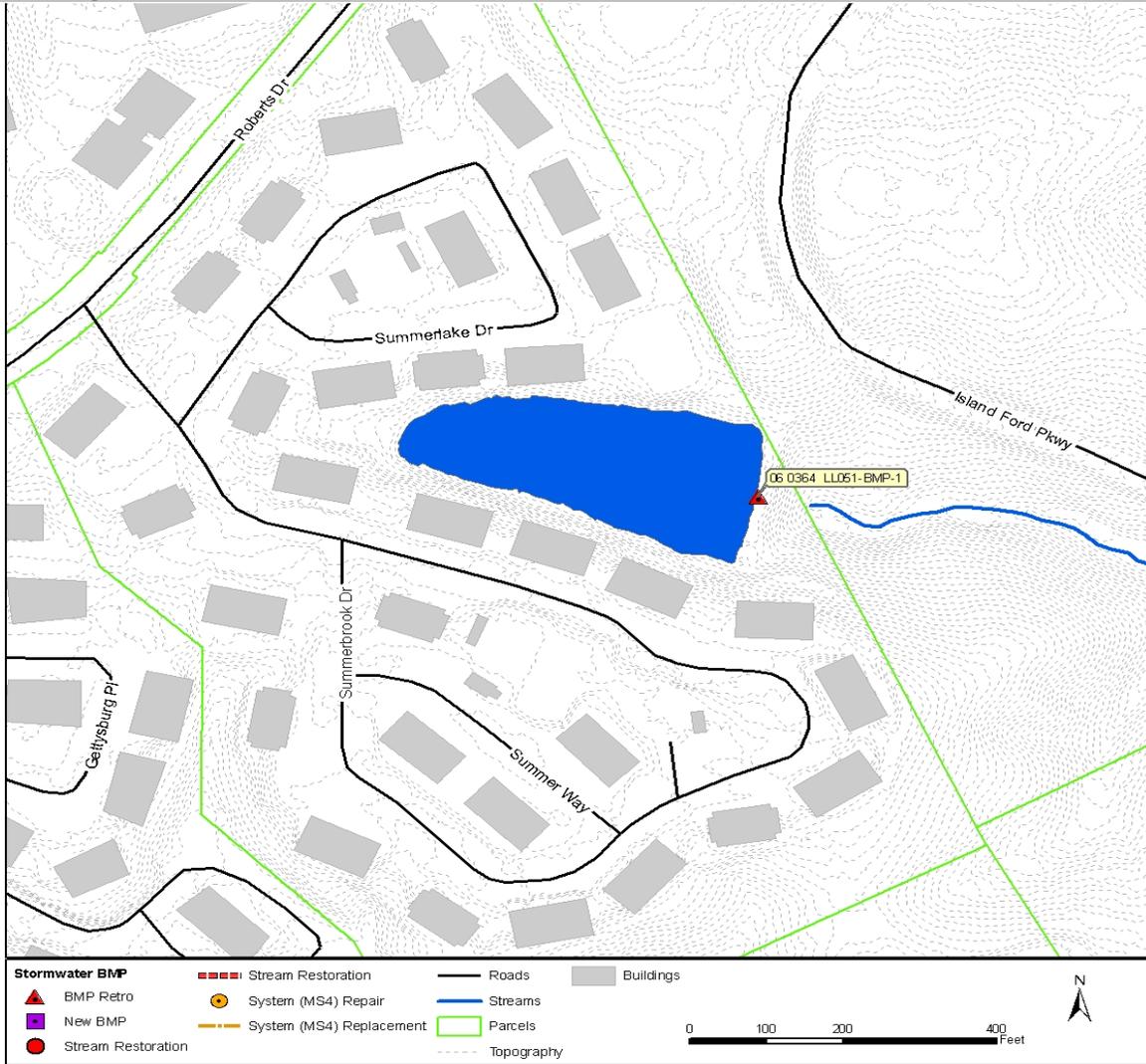


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	185	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	1,118,910	ft ³
Parcel Ownership:	Private	Potential Volume:	1,118,910	ft ³
Land Use:	Commercial; Water	WQ Volume:	29,607	ft ³
		CP Volume:	116,902	ft ³
		25-Year Volume:	150,860	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	Offline	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	11.8 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X, X500	Existing Risk:	9.2	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	2.1	
Flood Width Over Road:	N/A ft	Change in Risk:	7.1	
Structure Type:	N/A	Benefit/Cost:	1.78	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 06 0365 LL029-BMP-1

Asset Number: AGM_17715

Benefit/Cost: 0.72
Estimated Cost: \$404,000

Address: 8900 Island Ferry Rd

Study Area: Crooked Creek

Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Residential - 1 acre lot size and Woods area near Island Ferry Rd. This project was included in the previous CIP as BC-CDM-30. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve greater water quality and channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2

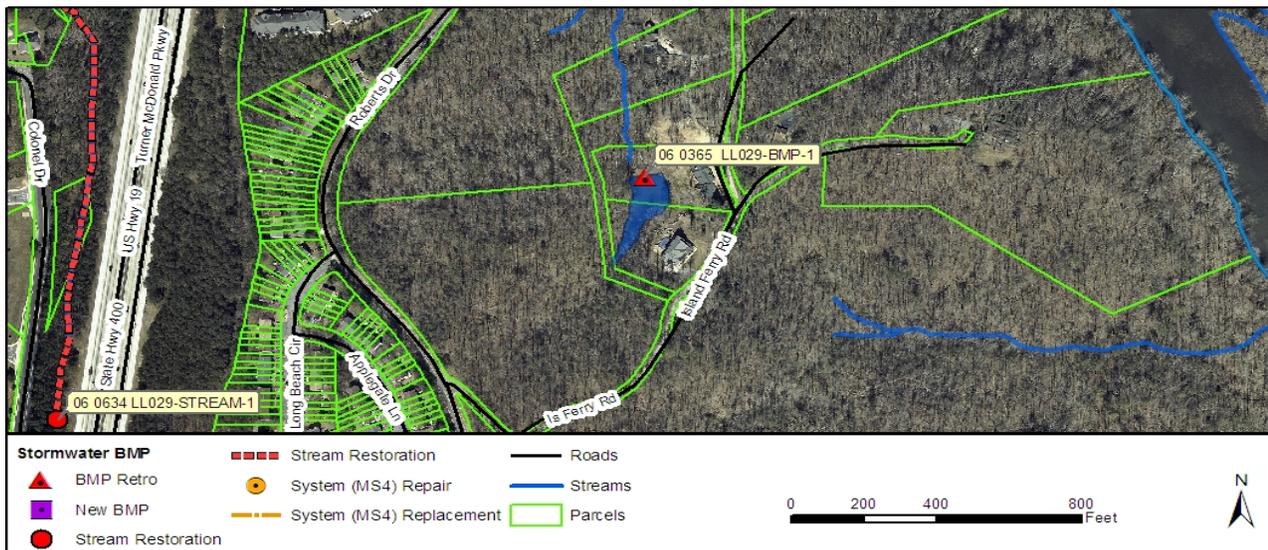


Figure 1 Plan View of Project with Aerial Photography

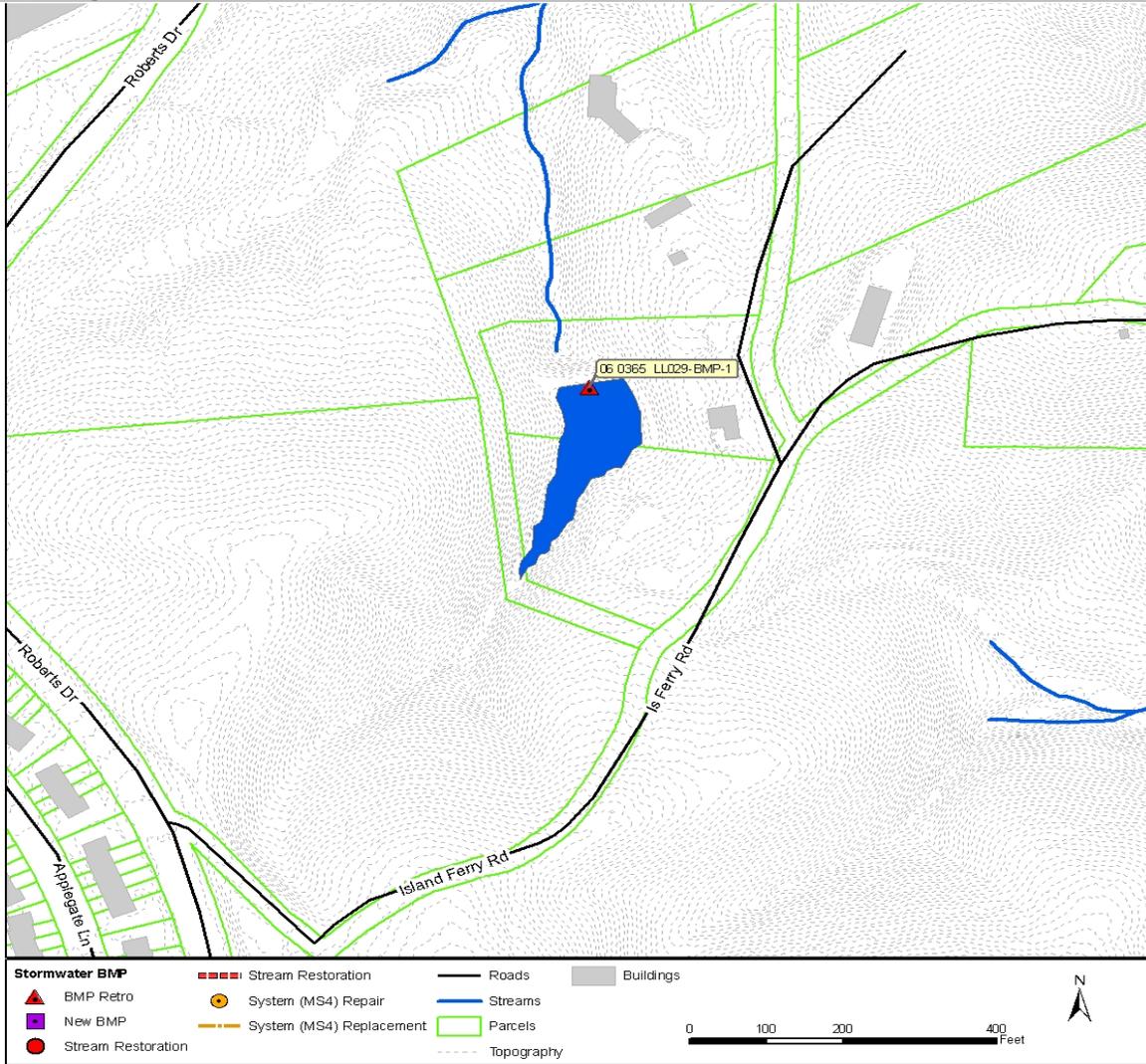


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	27	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach	Existing Volume:	219,884	ft ³
Parcel Ownership:	Private	Potential Volume:	219,884	ft ³
Land Use:	Residential - 1 acre lot size; Woods; Water	WQ Volume:	6,594	ft ³
		CP Volume:	28,665	ft ³
		25-Year Volume:	20,097	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	Offline	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	9.9 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	5.7	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	2.9	
Flood Width Over Road:	N/A ft	Change in Risk:	2.9	
Structure Type:	N/A	Benefit/Cost:	0.72	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 06 03670001023-BMP-1

Asset Number: AGM_25933

Benefit/Cost: 3.29
Estimated Cost: \$956,000

Address: 9505 Roberts Dr
Study Area: Crooked Creek
Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Residential - 1 acre lot size area near Roberts Dr. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as BC-CDM-75. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve full water quality and a portion of the channel protection benefits by building or significantly redesigning the control structure of the wet pond. Modifications include dredging within the existing footprint to increase capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2

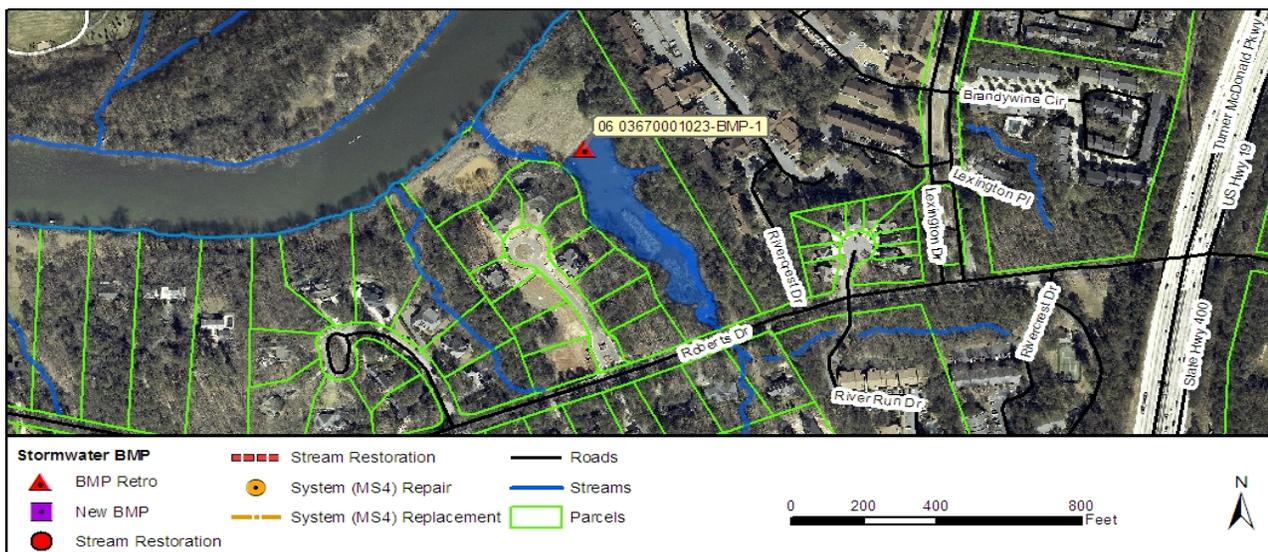


Figure 1 Plan View of Project with Aerial Photography

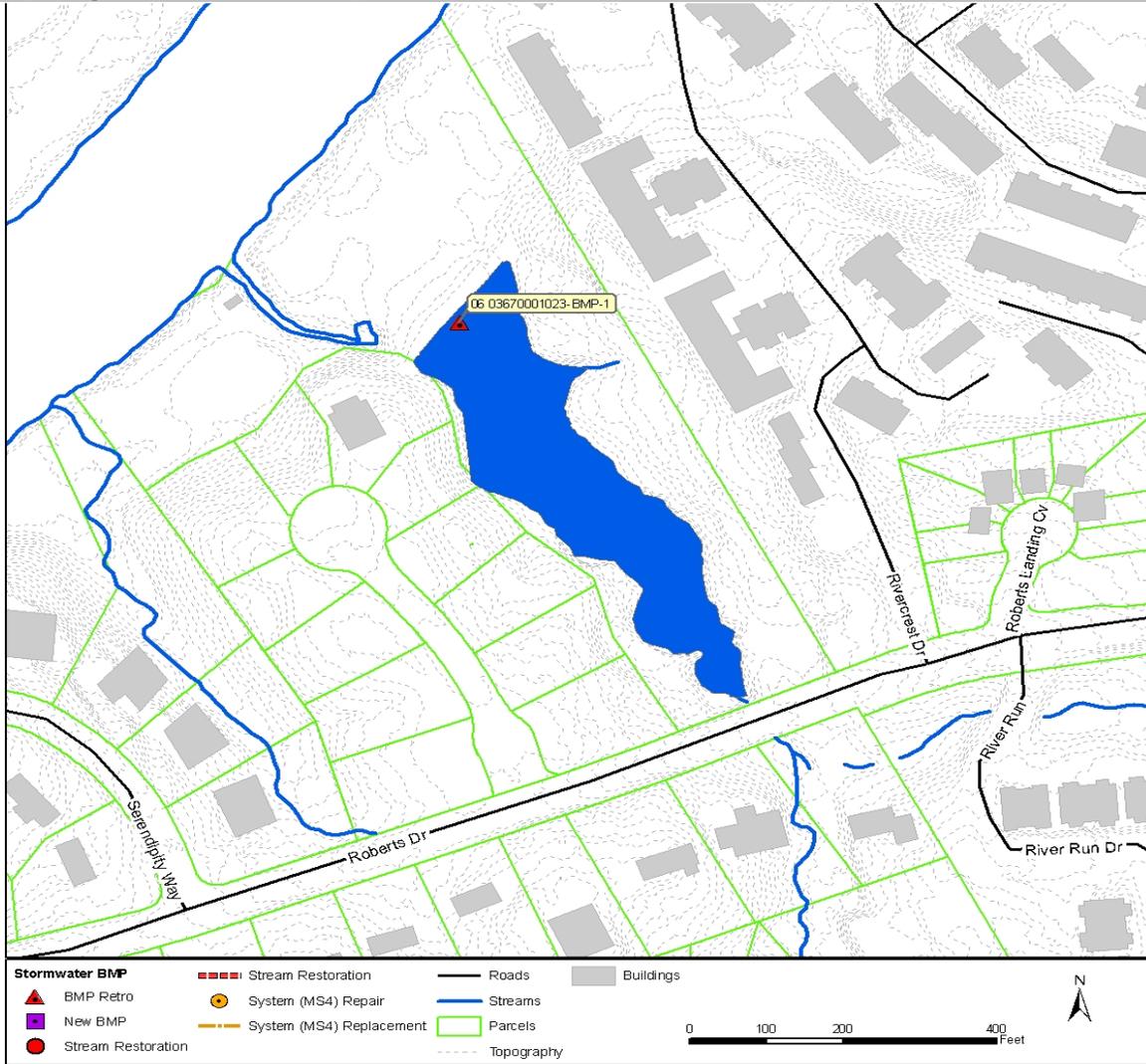


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	596	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	1,139,196	ft ³
Parcel Ownership:	Private	Potential Volume:	1,201,552	ft ³
Land Use:	Residential - 1 acre lot size; Water	WQ Volume:	240,817	ft ³
		CP Volume:	1,195,595	ft ³
		25-Year Volume:	1,540,748	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	139.7 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	AE, X500	Existing Risk:	22.5	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	2.8	
Flood Width Over Road:	N/A ft	Change in Risk:	19.7	
Structure Type:	N/A	Benefit/Cost:	3.29	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 06 03670003066-BMP-1

Asset Number: AGM_25822

Benefit/Cost: 2.61
Estimated Cost: \$651,000

Address: 0 Carroll Manor Dr Rear

Study Area: Marsh Creek

Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Residential - 1 acre lot size, Residential - 1/8 acre lot size and Commercial area near Carroll Manor Dr Rear. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as BC-CDM-56. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve full water quality and a portion of the channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2



Figure 1 Plan View of Project with Aerial Photography



Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	622	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	2,626,392	ft ³
Parcel Ownership:	Private	Potential Volume:	2,626,392	ft ³
Land Use:	Residential - 1 acre lot size; Residential - 1/8 acre lot size; Commercial; Water	WQ Volume:	363,441	ft ³
		CP Volume:	1,650,306	ft ³
		25-Year Volume:	2,140,863	ft ³
TMDL Stream(FecalColiform):	N	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	N	Stream Order:	2	
Drainage Area:	175.5 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X, X500	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	16.6	
Flood Width Over Road:	N/A ft	Proposed Risk:	3.5	
Structure Type:	N/A	Change in Risk:	13.0	
Pipe Size:	N/A ft	Benefit/Cost:	2.61	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation Sandy Springs Watershed Improvement Plan

Project ID: 06 03670003067-BMP-1

Asset Number: AGM_25770

Benefit/Cost: 2.03
Estimated Cost: \$528,000

Address: 0 North River Pkwy

Study Area: Crooked Creek

Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Residential - 1/8 acre lot size and Commercial area near North River Pkwy. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as BC-CDM-70. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve full water quality and a portion of the channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2

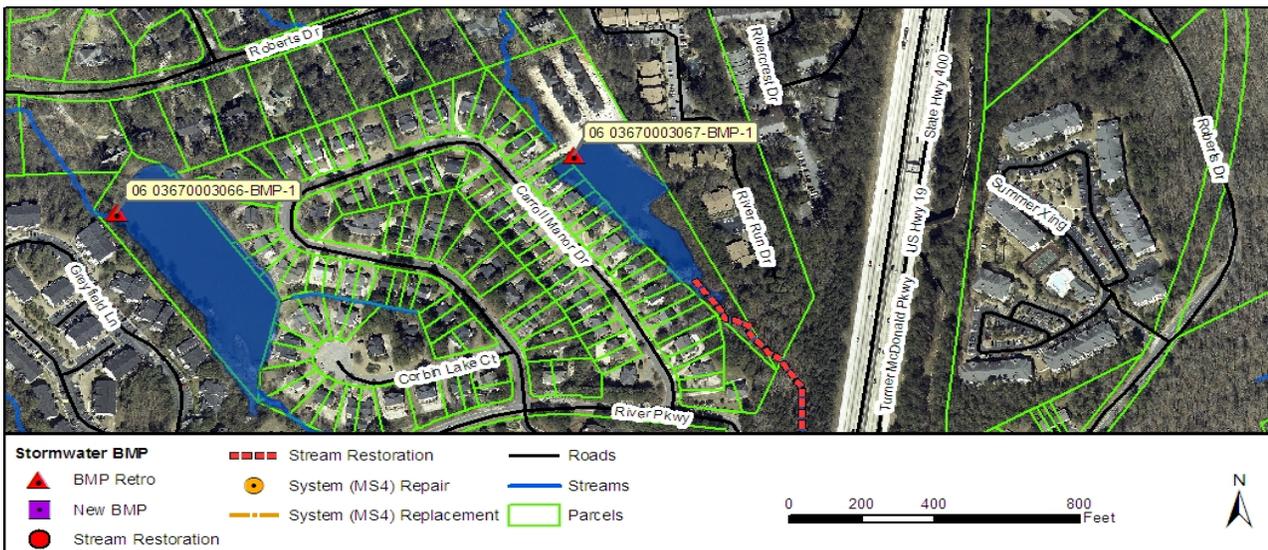


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 06 03670003067-BMP-1
 Asset Number: AGM_25770

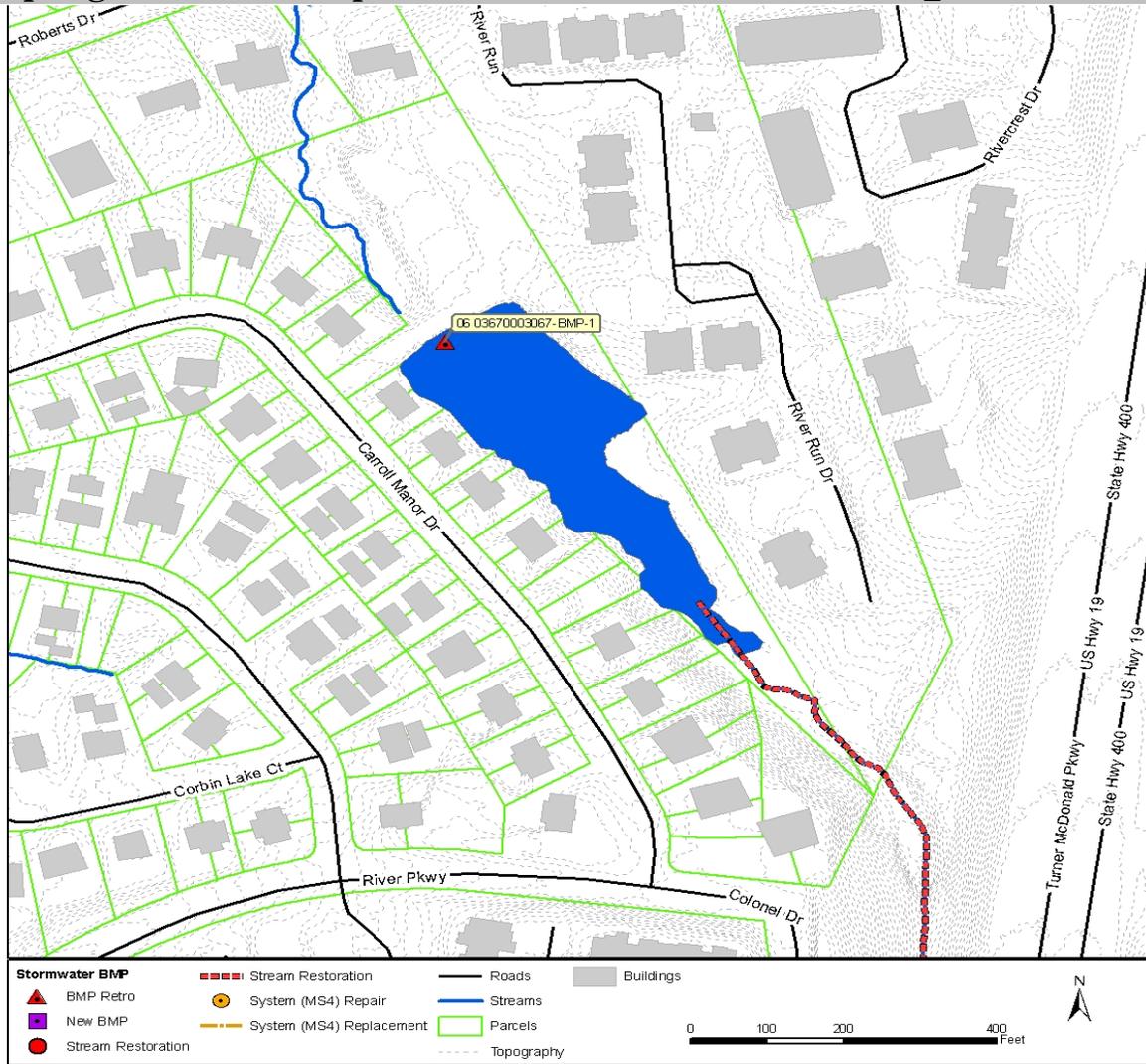


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	693	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	1,099,040	ft ³
Parcel Ownership:	Private	Potential Volume:	1,099,040	ft ³
Land Use:	Commercial; Residential - 1/8 acre lot size; Water	WQ Volume:	174,317	ft ³
		CP Volume:	892,884	ft ³
		25-Year Volume:	1,152,704	ft ³
TMDL Stream(FecalColiform):	N	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	N	Stream Order:	1	
Drainage Area:	99.9 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X, X500	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	14.5	
Flood Width Over Road:	N/A ft	Proposed Risk:	4.3	
Structure Type:	N/A	Change in Risk:	10.1	
Pipe Size:	N/A ft	Benefit/Cost:	2.03	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 06 03680001032-STREAM-1

Asset Number: BAC_00040

Benefit/Cost: 0.43
 Estimated Cost: \$1,123,000

Address: 8900 Buckhorn Dr Ne
 Study Area: Marsh Creek
 Proposed Project Type: Stream Restoration

Project Description

Level 2 restoration is proposed for a reach located south of Chattahoochee River at Huntcliff Preserve. Erosion and debris evident. Project could be combined with pond at downstream end where outlet structure collapsed. A Level 2 approach includes restoring the stream and floodplain within the existing channel at the present elevation or a new channel adjacent to the old but at the same elevation. The new channel will be based on the dimension, pattern, and profile characteristic of a stable reference reach.

Project Goals

Stabilize streambanks to reduce streambank erosion, decrease suspended sediment load, and prevent property damage. Improve water quality and instream habitat. Establish and protect a vegetated buffer along the stream. Restore proper dimension, pattern, and profile so the channel will move water and sediment without aggrading or degrading while also considering flood hazards. Work with property owners to encourage near-stream conservation efforts.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

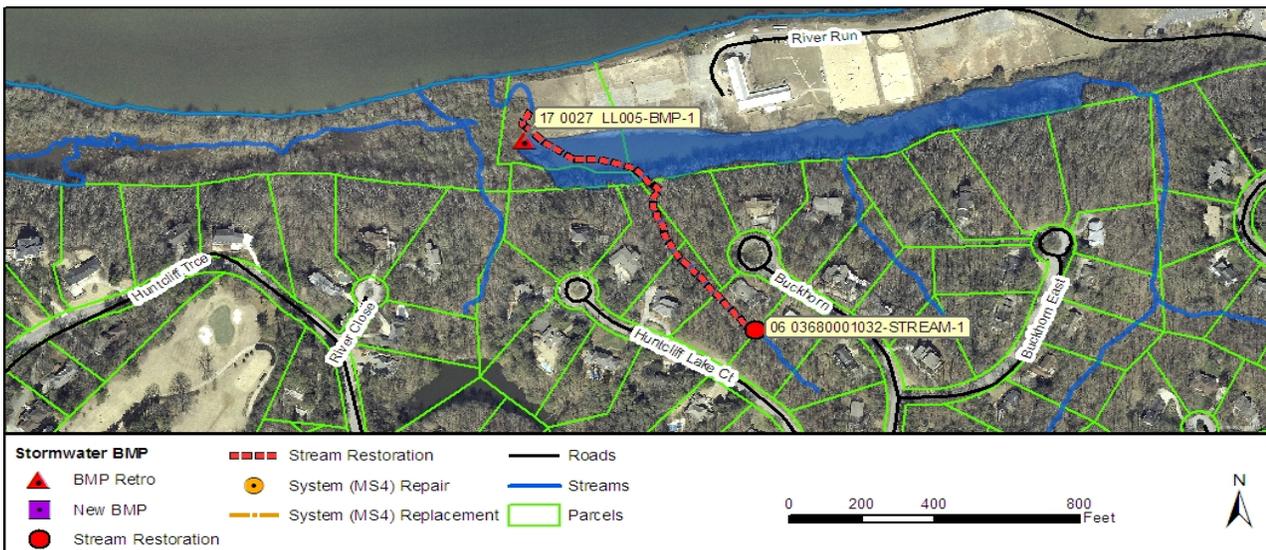


Figure 1 Plan View of Project with Aerial Photography

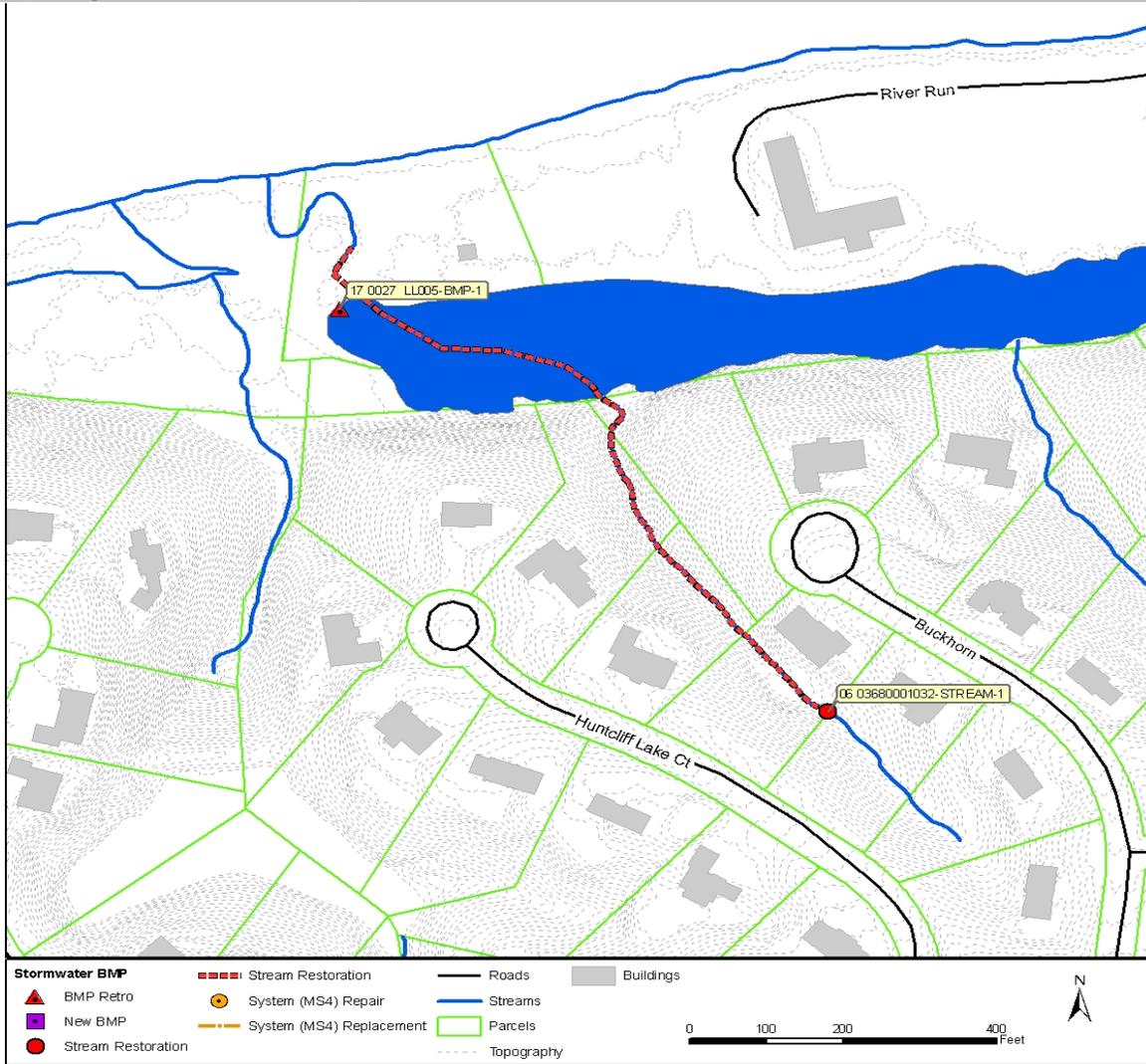


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 2	TSS Yield:	66	lb/ac/yr
Asset Ownership:	Not Applicable	Existing Volume:	N/A	ft ³
Parcel Ownership:	Private	Potential Volume:	N/A	ft ³
Land Use:	Residential - 1 acre lot size; Water	WQ Volume:	N/A	ft ³
		CP Volume:	N/A	ft ³
		25-Year Volume:	N/A	ft ³
TMDL Stream(FecalColiform):	N	Stream Project Length:	1,054	ft
TMDL Stream (Biota):	N	Stream Order:	Offline	
Drainage Area:	3.3 acres	Bank Stability (% exposed):	No Data	No Data
FEMA Flood Hazard Zone:	AE, X	Bank Height:	No Data	No Data
Max Flood Depth Over Road:	N/A ft	Existing Risk:	8.2	
Flood Width Over Road:	N/A ft	Proposed Risk:	5.1	
Structure Type:	N/A	Change in Risk:	3.0	
Pipe Size:	N/A ft	Benefit/Cost:	0.43	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 06 0383 LL071-BMP-1

Asset Number: AGM_16277

Benefit/Cost: 0.53
Estimated Cost: \$411,000

Address: 125 Dunwoody Creek Ct
Study Area: Crooked Creek
Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Residential - 1 acre lot size area near Dunwoody Creek Ct. This project was included in the previous CIP as BC-CDM-52. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve both full water quality and channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2

No photo available



Figure 1 Plan View of Project with Aerial Photography

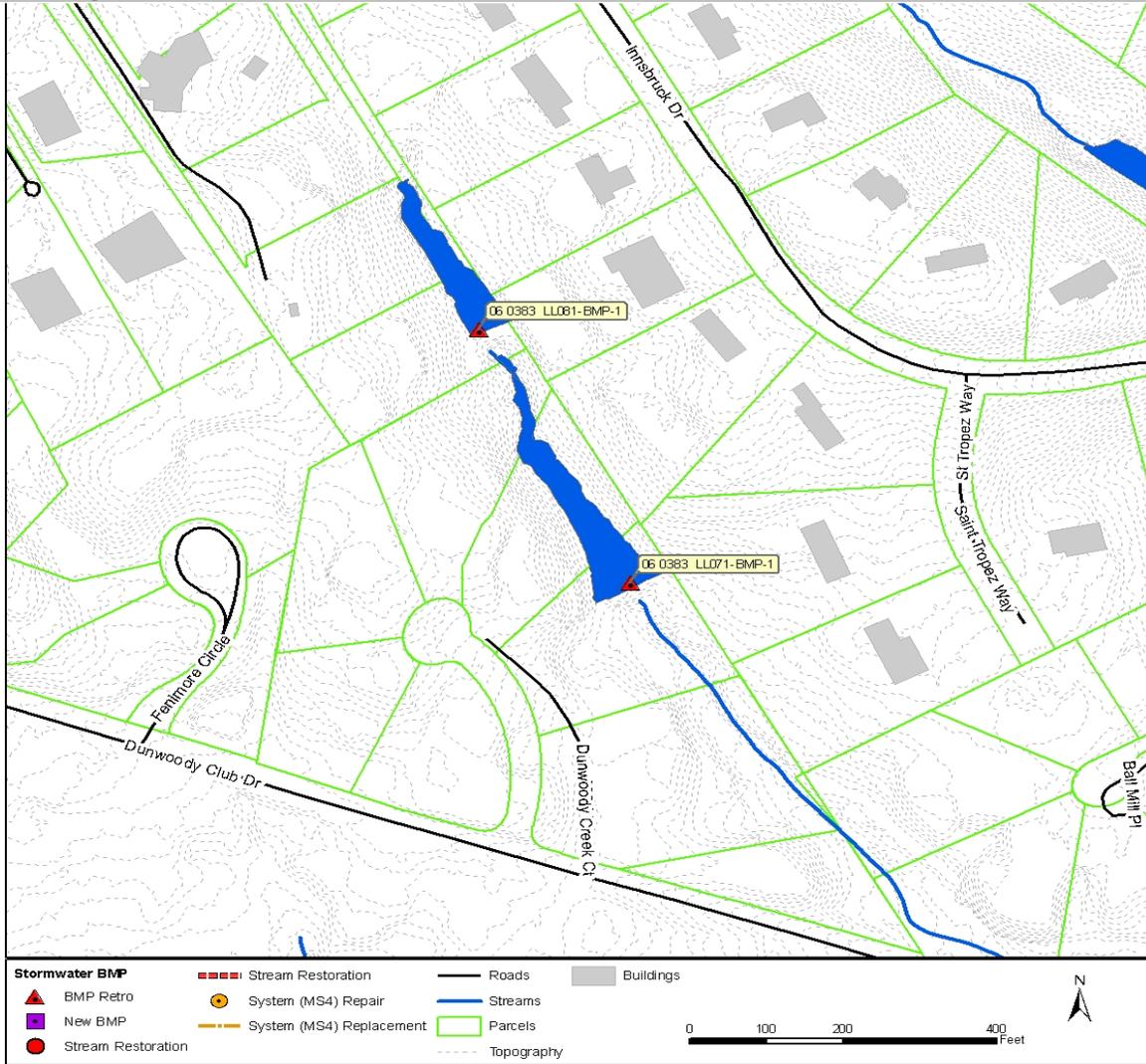


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	16	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach	Existing Volume:	137,982	ft ³
Parcel Ownership:	Private	Potential Volume:	137,982	ft ³
Land Use:	Residential - 1 acre lot size; Water	WQ Volume:	15,203	ft ³
		CP Volume:	58,848	ft ³
		25-Year Volume:	58,471	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y	Stream Order:	Offline	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	17.2 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	4.8	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	2.7	
Flood Width Over Road:	N/A ft	Change in Risk:	2.1	
Structure Type:	N/A	Benefit/Cost:	0.53	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation Sandy Springs Watershed Improvement Plan

Project ID: 06 0383 LL081-BMP-1

Asset Number: AGM_16294

Benefit/Cost: 0.53
Estimated Cost: \$333,000

Address: 1605 Spalding Dr Ne
Study Area: Crooked Creek
Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Residential - 1 acre lot size area near Spalding Dr NE. This project was included in the previous CIP as BC-CDM-52a. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve both full water quality and channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2

No photo available



Figure 1 Plan View of Project with Aerial Photography



Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	37	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach	Existing Volume:	61,574	ft ³
Parcel Ownership:	Private	Potential Volume:	61,574	ft ³
Land Use:	Residential - 1 acre lot size; Water	WQ Volume:	12,107	ft ³
		CP Volume:	43,598	ft ³
		25-Year Volume:	43,777	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y	Stream Order:	Offline	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	12.6 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	5.3	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	3.2	
Flood Width Over Road:	N/A ft	Change in Risk:	2.1	
Structure Type:	N/A	Benefit/Cost:	0.53	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 06 0634 LL029-STREAM-1

Asset Number: BAC_00038

Benefit/Cost: 1.10
 Estimated Cost: \$1,712,000

Address: 0 Colonel Dr Ne
 Study Area: Crooked Creek
 Proposed Project Type: Stream Restoration

Project Description

Level 2 restoration is proposed for a reach located on east side of Dunwoody Middle School between school and GA-400. Erosion and debris evident. Numerous trees in channel and broken/collapsed culverts. A Level 2 approach includes restoring the stream and floodplain within the existing channel at the present elevation or a new channel adjacent to the old but at the same elevation. The new channel will be based on the dimension, pattern, and profile characteristic of a stable reference reach.

Project Goals

Stabilize streambanks to reduce streambank erosion to decrease suspended sediment loads and improve water quality and instream habitat. Establish and protect a vegetated buffer along the stream. Restore proper dimension, pattern, and profile so the channel will move water and sediment without aggrading or degrading while also considering flood hazards. Work with property owner to encourage near-stream conservation efforts.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

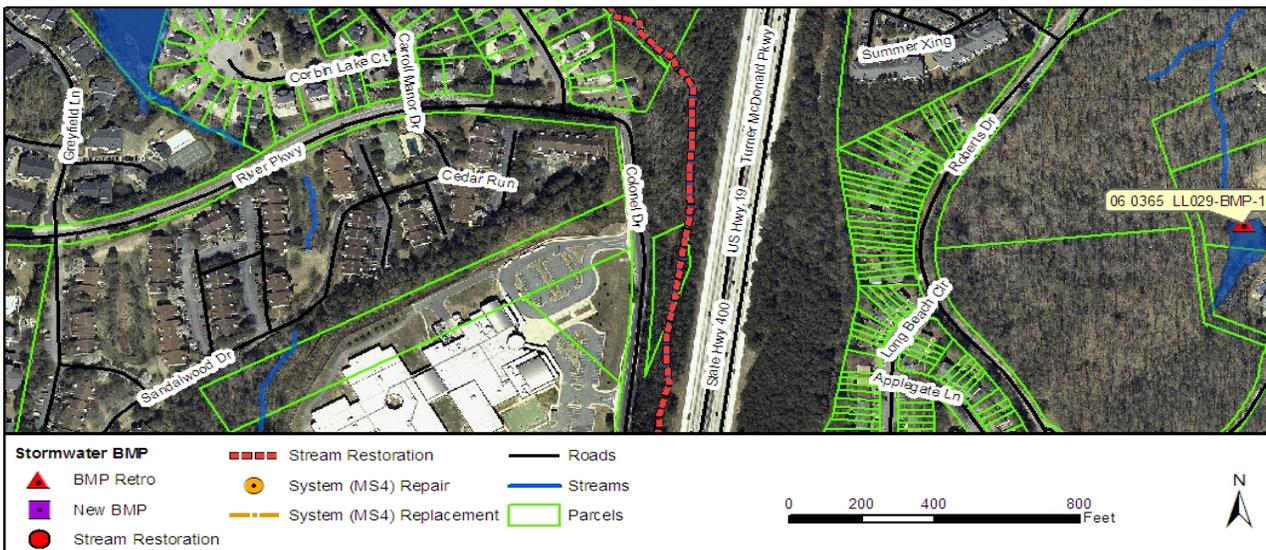


Figure 1 Plan View of Project with Aerial Photography



Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1, District 2	TSS Yield:	590	lb/ac/yr
Asset Ownership:	Not Applicable	Existing Volume:	N/A	ft ³
Parcel Ownership:	Private, City, Federal	Potential Volume:	N/A	ft ³
Land Use:	Commercial; Streets - Open Ditch/includes ROW	WQ Volume:	N/A	ft ³
		CP Volume:	N/A	ft ³
		25-Year Volume:	N/A	ft ³
		Stream Project Length:	1,692	ft
TMDL Stream(FecalColiform):	N	Stream Order:	Offline	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	No Data	No Data
Drainage Area:	2.1 acres	Bank Height:	No Data	No Data
FEMA Flood Hazard Zone:	X, X500	Existing Risk:	15.2	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	6.4	
Flood Width Over Road:	N/A ft	Change in Risk:	8.8	
Structure Type:	N/A	Benefit/Cost:	1.10	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 17 0019 LL058-BMP-1

Asset Number: AGM_05898

Benefit/Cost: 4.99
Estimated Cost: \$378,000

Address: 1000 Abernathy Rd

Study Area: Marsh Creek

Proposed Project Type: Wet Pond Extended Detention

Project Description

Retrofit existing wet pond into a wet pond extended detention. The existing BMP is located in a Commercial area near Abernathy Rd. This project was included in the previous CIP as SS-BMP-24330419. In a wet extended detention pond, the water quality volume is split evenly between the permanent pool and extended detention storage provided above the permanent pool. During storm events, water is detained above the permanent pool and released over 24 hours. Temporary storage may also be provided above the water quality elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve a portion of channel protection benefits by redesigning the control structure to provide extended detention.

Photos and Maps

Photo 1



Photo 2

No photo available

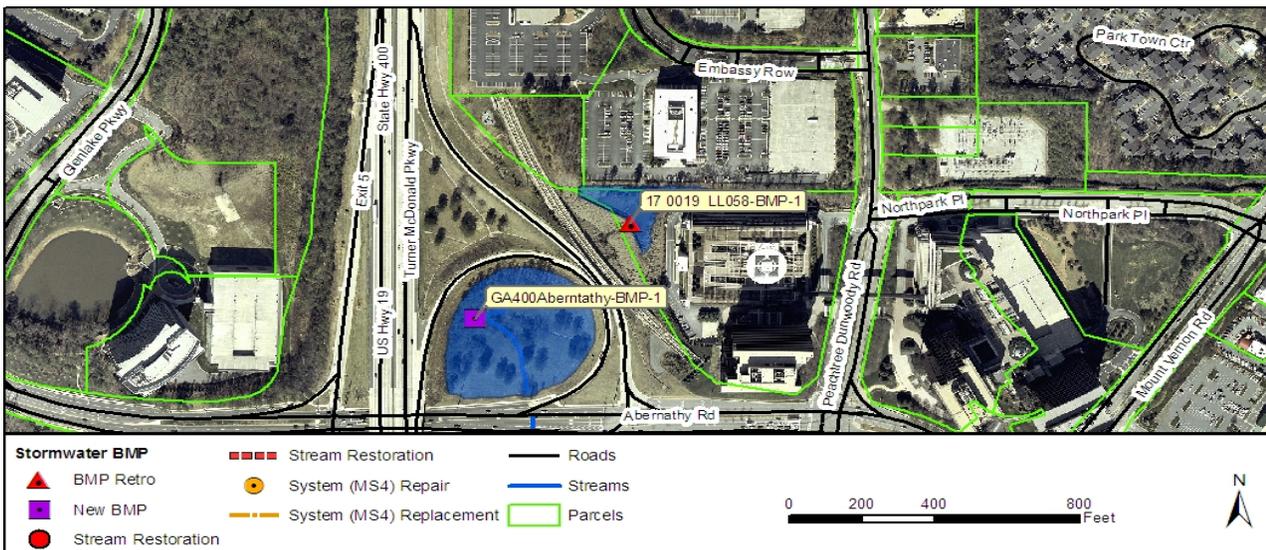


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0019 LL058-BMP-1
 Asset Number: AGM_05898

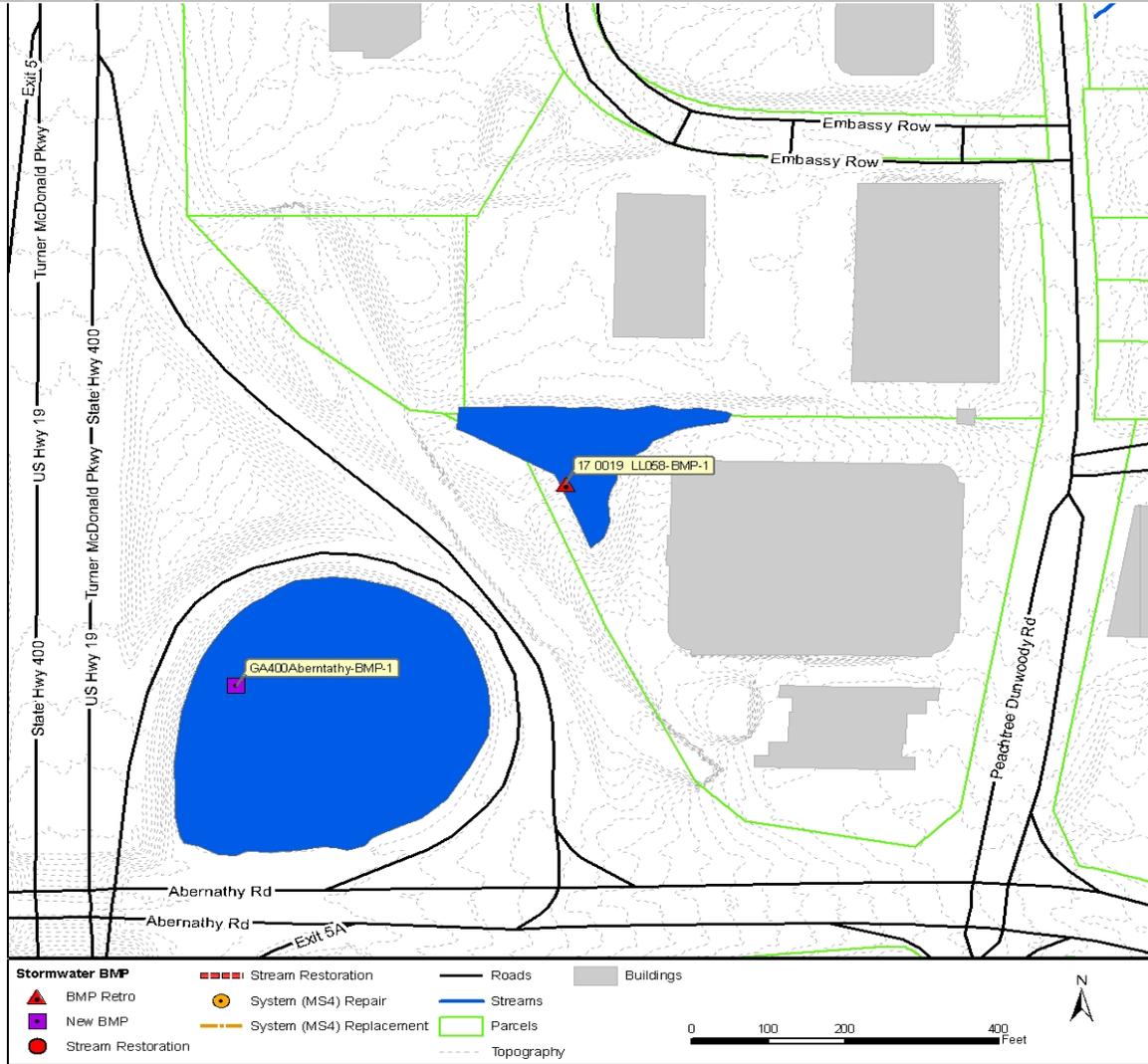


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 4	TSS Yield:	1,101	lb/ac/yr
Asset Ownership:	3: State	Existing Volume:	177,138	ft ³
Parcel Ownership:	Private, State	Potential Volume:	177,138	ft ³
Land Use:	Commercial; Streets - Open/Ditch/Includes ROW; Water	WQ Volume:	357,737	ft ³
		CP Volume:	1,487,699	ft ³
		25-Year Volume:	1,895,492	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	N	Stream Order:	1	
Drainage Area:	194.6 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X500	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	33.6	
Flood Width Over Road:	N/A ft	Proposed Risk:	13.6	
Structure Type:	N/A	Change in Risk:	20.0	
Pipe Size:	N/A ft	Benefit/Cost:	4.99	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 17 00200002012-BMP-1

Asset Number: AGM_14543

Benefit/Cost: 3.06
Estimated Cost: \$311,000

Address: 6785 Lisa Ln

Study Area: Marsh Creek

Proposed Project Type: Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located in a Residential - 1/3 acre lot size area near Lisa Ln. This BMP is online and may therefore present a permitting difficulty. In a micropool extended detention pond, only a small volume of water is maintained at the outlet from the pond. The outlet structure is sized to detain the water quality volume for 24 hours. Temporary storage may also be provided for channel protection and for larger storm events.

Project Goals

The proposed retrofit will achieve a portion of channel protection benefits by converting it to a micropool extended detention and designing the control structure.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

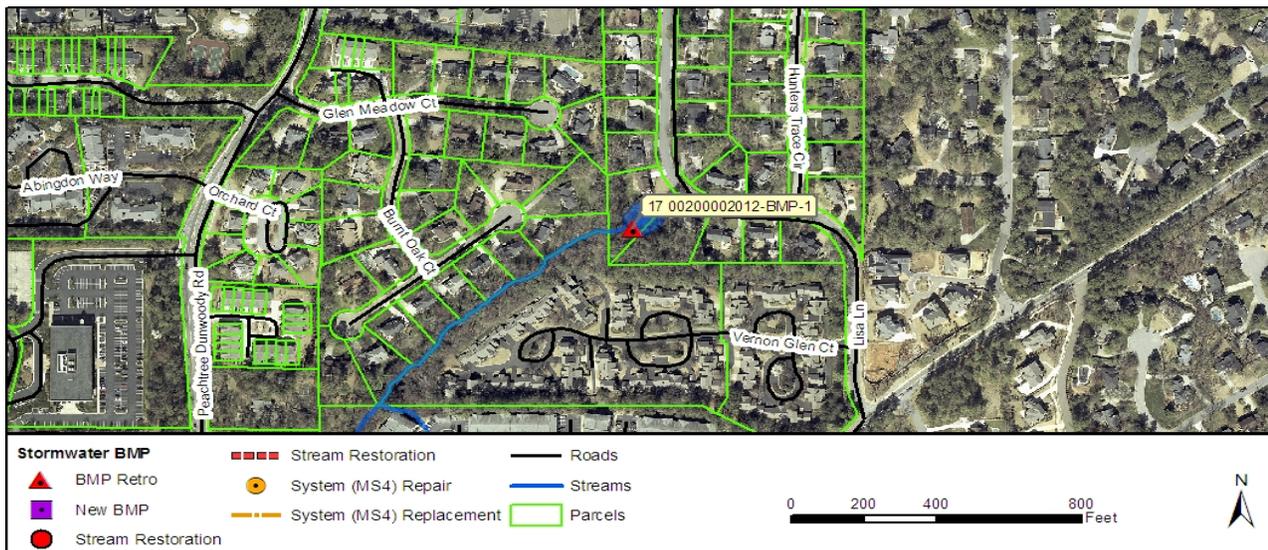


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00200002012-BMP-1
 Asset Number: AGM_14543



Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 4	TSS Yield:	653	lb/ac/yr
Asset Ownership:	1: City	Existing Volume:	54,420	ft ³
Parcel Ownership:	Private	Potential Volume:	54,420	ft ³
Land Use:	Residential - 1/3 acre lot size; Woods	WQ Volume:	66,888	ft ³
		CP Volume:	287,690	ft ³
		25-Year Volume:	300,950	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	59.5 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500	Existing Risk:	25.4	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	13.1	
Flood Width Over Road:	N/A ft	Change in Risk:	12.2	
Structure Type:	N/A	Benefit/Cost:	3.06	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0022 LL058-BMP-1

Asset Number: AGM_26613

Benefit/Cost: 3.88
 Estimated Cost: \$376,000

Address: 1000 Spalding Dr
 Study Area: Marsh Creek

Proposed Project Type: Wet Pond Extended Detention

Project Description

Build a new wet pond extended detention. The new BMP is located in a Commercial and Street ROW area near Spalding Dr. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24340417. In a wet extended detention pond, the water quality volume is split evenly between the permanent pool and extended detention storage provided above the permanent pool. During storm events, water is detained above the permanent pool and released over 24 hours. Temporary storage may also be provided above the water quality elevation for channel protection and for larger storm events.

Project Goals

Design a wet extended detention pond that provides full water quality and a portion of the channel protection benefits.

Photos and Maps

Photo 1

Photo 2

No photo available

No photo available

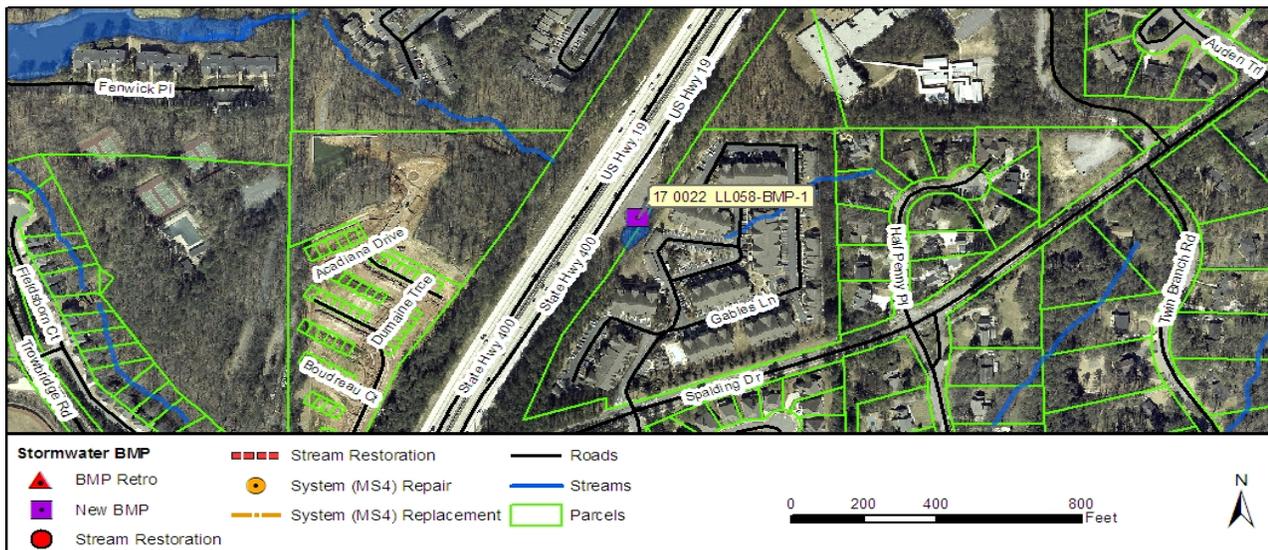


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0022 LL058-BMP-1
 Asset Number: AGM_26613



Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	722	lb/ac/yr
Asset Ownership:	3: State	Existing Volume:	71,975	ft ³
Parcel Ownership:	Private, Federal	Potential Volume:	71,975	ft ³
Land Use:	Commercial; Streets - Open/Ditch/Includes ROW	WQ Volume:	78,999	ft ³
		CP Volume:	319,675	ft ³
		25-Year Volume:	409,420	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	40.8 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	26.8	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	11.3	
Flood Width Over Road:	N/A ft	Change in Risk:	15.5	
Structure Type:	N/A	Benefit/Cost:	3.88	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation Sandy Springs Watershed Improvement Plan

Project ID: 17 0022 LL158-BMP-1

Asset Number: AGM_26479

Benefit/Cost: 5.49
Estimated Cost: \$159,000

Address: 0 Village Creek Trc
Study Area: Marsh Creek

Proposed Project Type: Wet Pond Extended Detention

Project Description

Retrofit existing dry pond into a wet pond extended detention. The existing BMP is located in a Residential - 1/8 acre lot size area near Village Creek Trc. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24330210. In a wet extended detention pond, the water quality volume is split evenly between the permanent pool and extended detention storage provided above the permanent pool. During storm events, water is detained above the permanent pool and released over 24 hours. Temporary storage may also be provided above the water quality elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve full water quality and a portion of the channel protection benefits by converting it to a wet pond extended detention and redesigning the control structure.

Photos and Maps

Photo 1

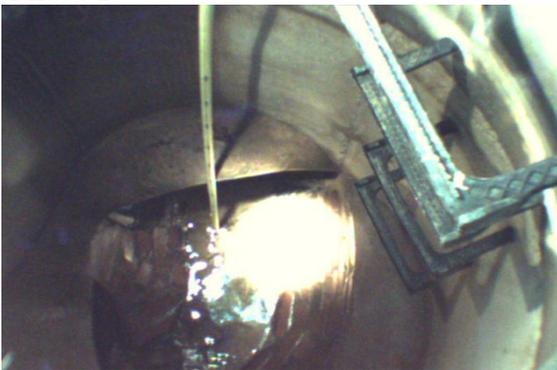


Photo 2

No photo available



Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0022 LL158-BMP-1
 Asset Number: AGM_26479



Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 4	TSS Yield:	671	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	63,005	ft ³
Parcel Ownership:	Private	Potential Volume:	63,005	ft ³
Land Use:	Residential - 1/8 acre lot size	WQ Volume:	49,568	ft ³
		CP Volume:	178,313	ft ³
		25-Year Volume:	229,201	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	25.4 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	30.4	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	13.9	
Flood Width Over Road:	N/A ft	Change in Risk:	16.5	
Structure Type:	N/A	Benefit/Cost:	5.49	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 17 0023 LL041-BMP-1

Asset Number: AGM_16991

Benefit/Cost: 2.23
Estimated Cost: \$1,345,000

Address: 7700 Colquitt Rd
Study Area: Marsh Creek
Proposed Project Type: Wet Pond Extended Detention

Project Description

Build a new wet pond extended detention. The new BMP is located in a Commercial area near Colquitt Rd. This project was included in the previous CIP as SS-BMP-24340416. In a wet extended detention pond, the water quality volume is split evenly between the permanent pool and extended detention storage provided above the permanent pool. During storm events, water is detained above the permanent pool and released over 24 hours. Temporary storage may also be provided above the water quality elevation for channel protection and for larger storm events.

Project Goals

Design a wet extended detention pond that provides full water quality and a portion of the channel protection benefits.

Photos and Maps

Photo 1



Photo 2

No photo available

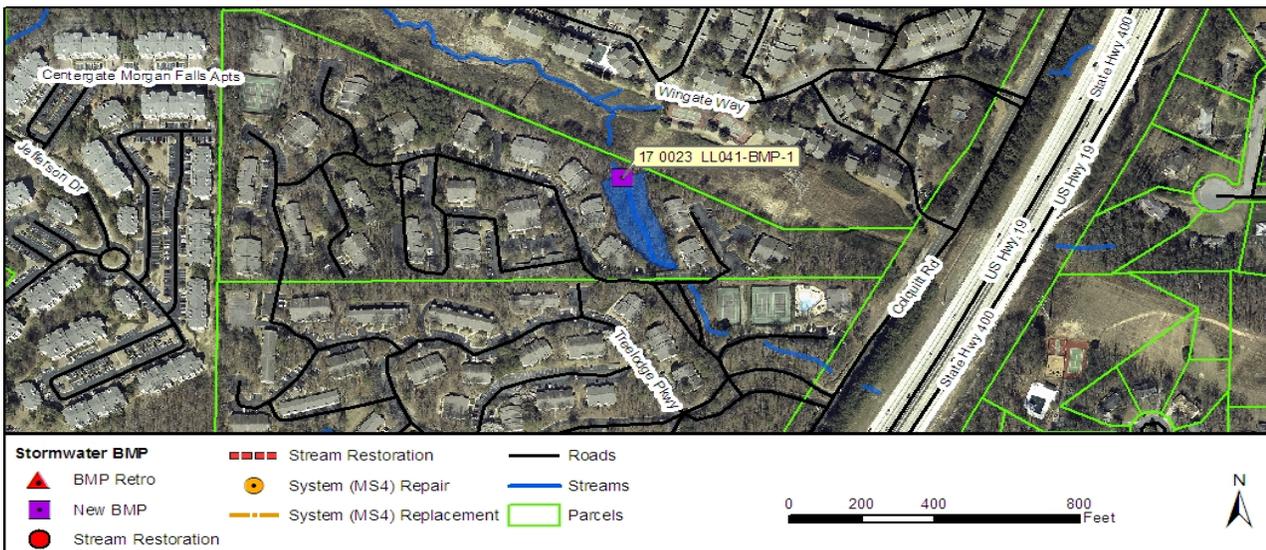


Figure 1 Plan View of Project with Aerial Photography

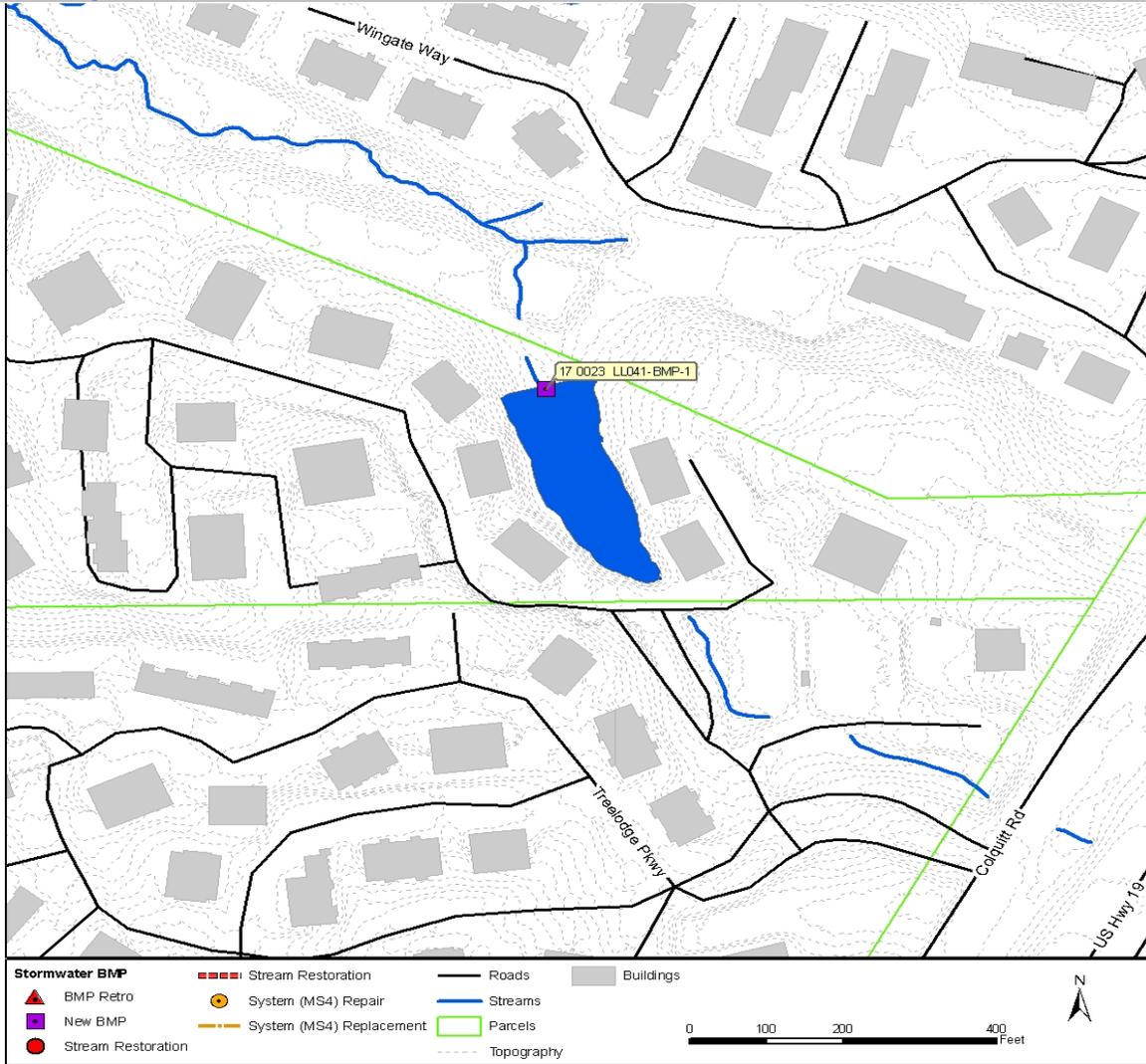


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 4	TSS Yield:	437	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	374,907	ft ³
Parcel Ownership:	Private	Potential Volume:	374,907	ft ³
Land Use:	Commercial	WQ Volume:	34,833	ft ³
		CP Volume:	138,321	ft ³
		25-Year Volume:	177,551	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	Offline	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	17.8 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X, X500	Existing Risk:	17.7	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	2.1	
Flood Width Over Road:	N/A ft	Change in Risk:	15.6	
Structure Type:	N/A	Benefit/Cost:	2.23	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0024 LL084-BMP-1

Asset Number: AGM_19601

Benefit/Cost: 5.31
 Estimated Cost: \$279,000

Address: 7889 Roswell Rd

Study Area: Marsh Creek

Proposed Project Type: Wet Pond Extended Detention

Project Description

Retrofit existing dry pond into a wet pond extended detention. The existing BMP is located in a Commercial area near Roswell Rd. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24340413. In a wet extended detention pond, the water quality volume is split evenly between the permanent pool and extended detention storage provided above the permanent pool. During storm events, water is detained above the permanent pool and released over 24 hours. Temporary storage may also be provided above the water quality elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve full water quality and a portion of the channel protection benefits by converting it to a wet pond extended detention and redesigning the control structure.

Photos and Maps

Photo 1



Photo 2

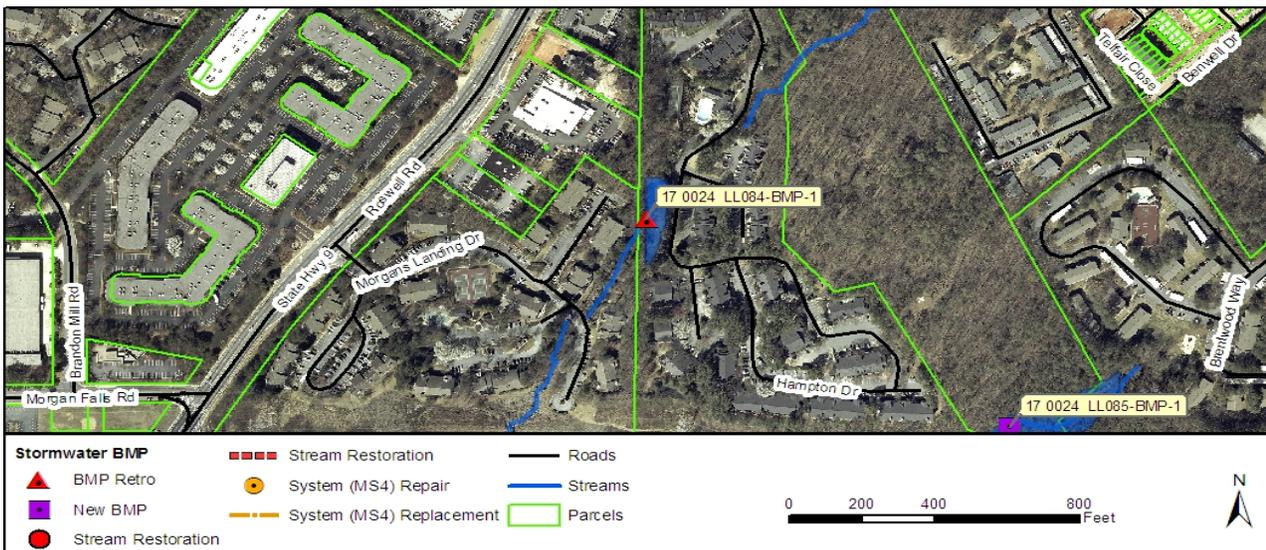


Figure 1 Plan View of Project with Aerial Photography

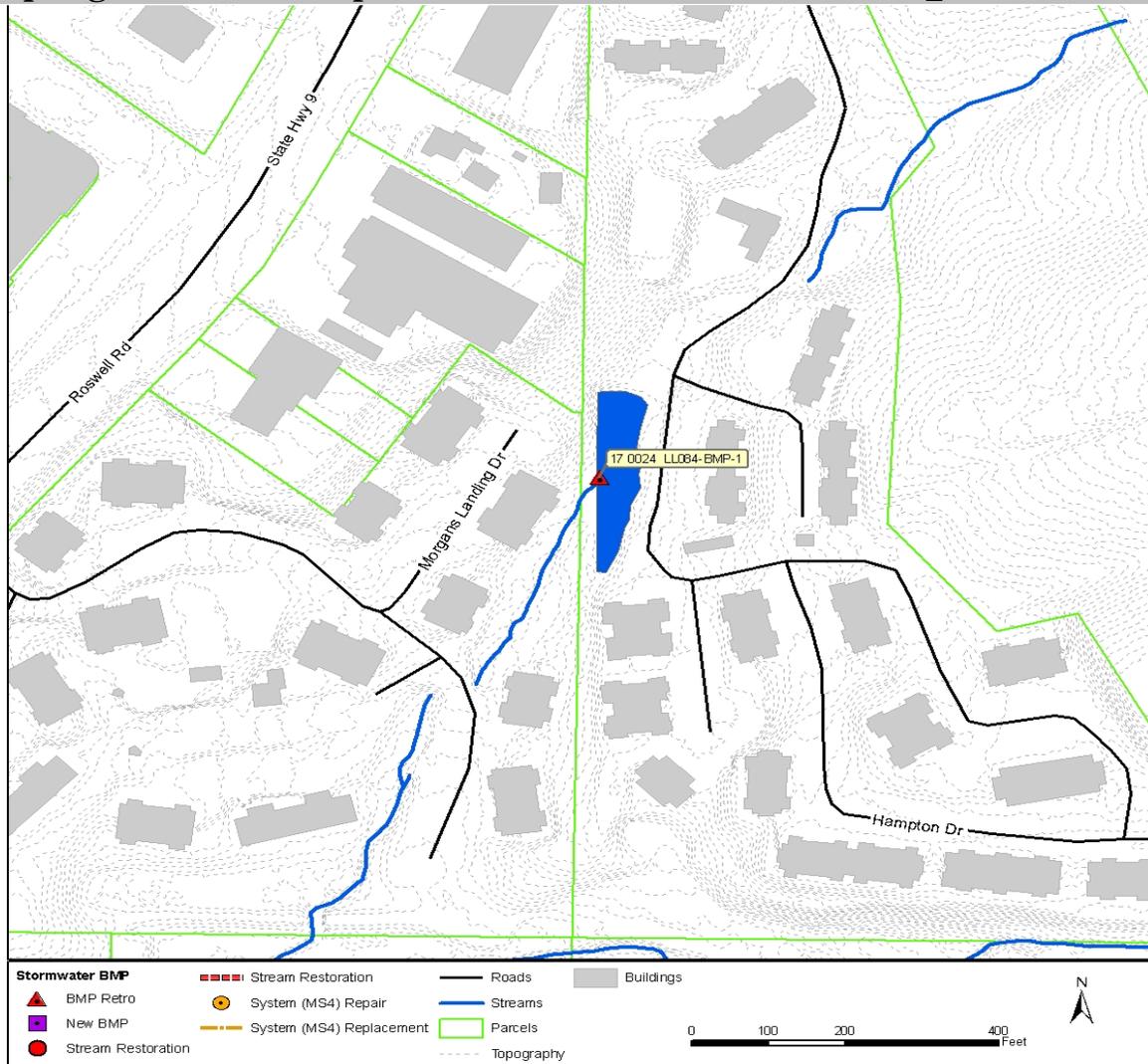


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 4	TSS Yield:	1,296	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	131,247	ft ³
Parcel Ownership:	Private	Potential Volume:	131,247	ft ³
Land Use:	Commercial	WQ Volume:	101,427	ft ³
		CP Volume:	462,818	ft ³
		25-Year Volume:	528,503	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	57.8 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500	Existing Risk:	33.5	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	12.2	
Flood Width Over Road:	N/A ft	Change in Risk:	21.2	
Structure Type:	N/A	Benefit/Cost:	5.31	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0024 LL085-BMP-1

Asset Number: AGM_19565

Benefit/Cost: 2.36
Estimated Cost: \$825,000

Address: 0 Roswell Rd
Study Area: Marsh Creek
Proposed Project Type: Shallow Wetland

Project Description

Build a new shallow wetland. The new BMP is located in a Commercial and Woods area near Roswell Rd. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24340415. In the shallow wetland, most of the water quality volume is in the relatively shallow marsh depths. The only deep portions of the shallow wetland design are the forebay at the inlet, and the micropool at the outlet. Temporary storage may also be provided for channel protection and for larger storm events.

Project Goals

Design a shallow wetland that provides full water quality and a portion of the channel protection benefits.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

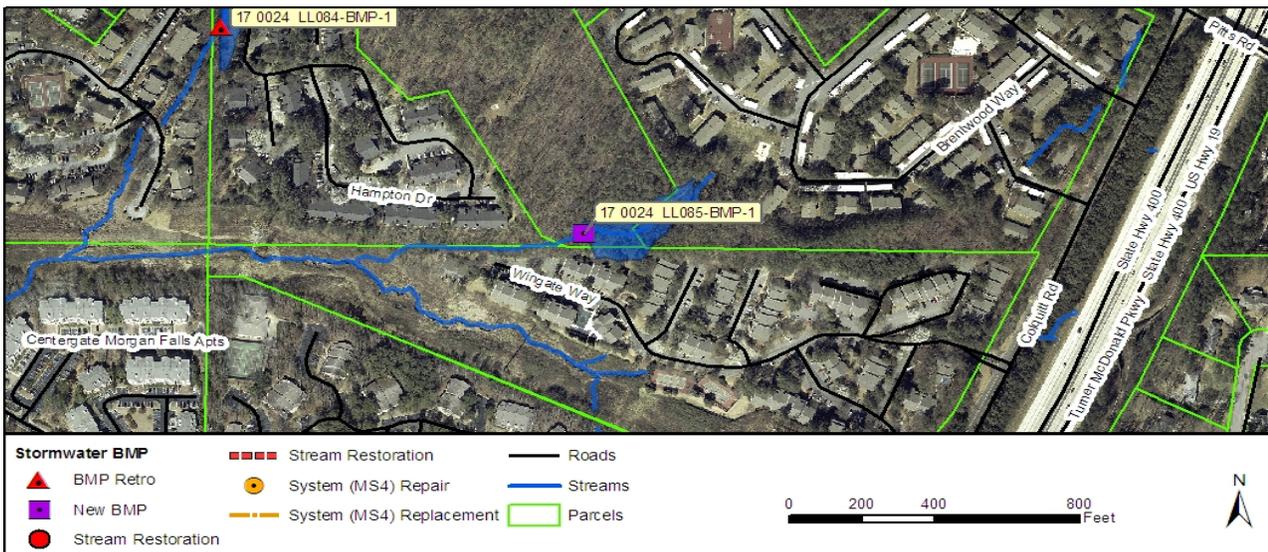


Figure 1 Plan View of Project with Aerial Photography

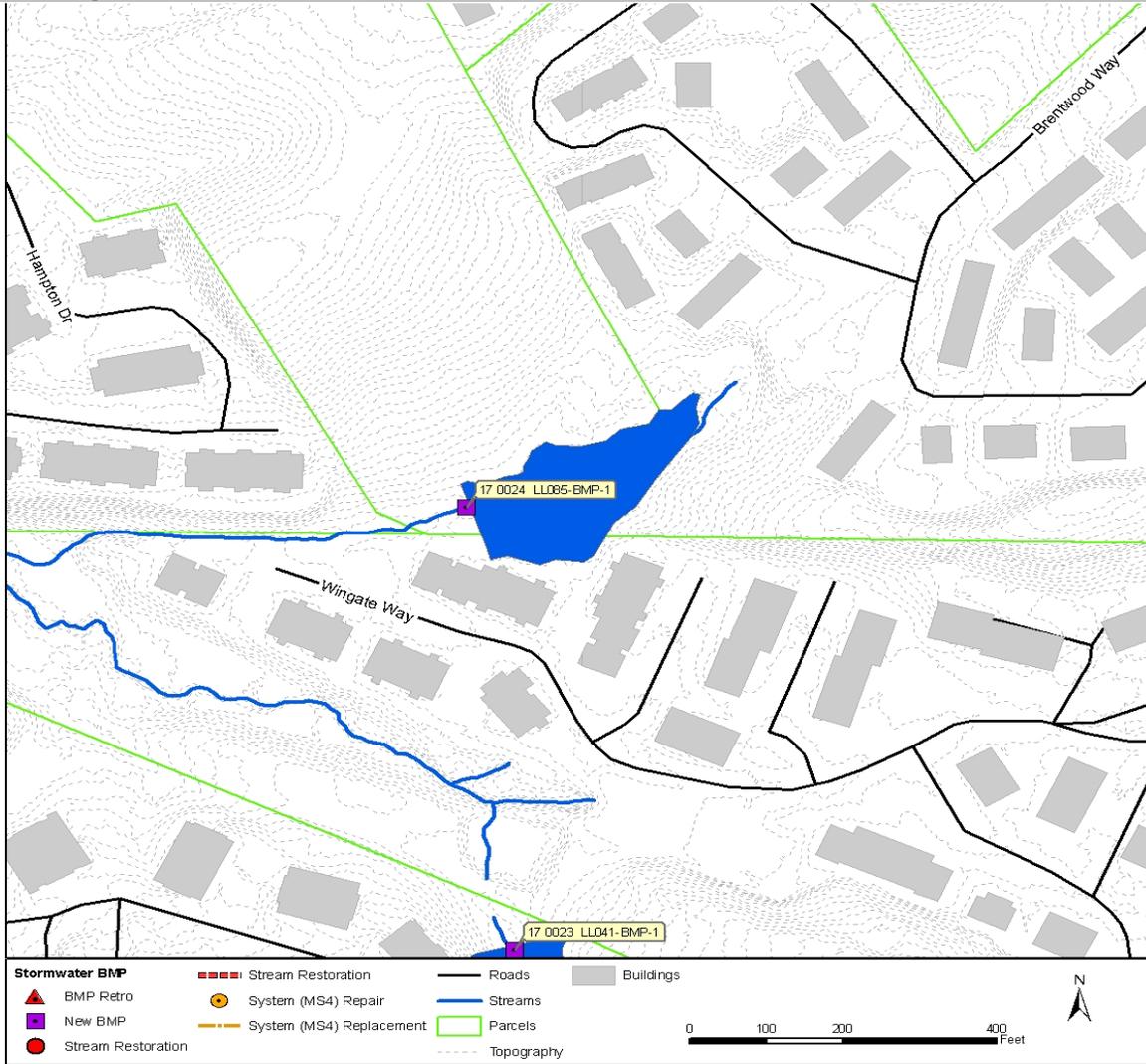


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 4	TSS Yield:	909	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	110,344	ft ³
Parcel Ownership:	Private	Potential Volume:	110,344	ft ³
Land Use:	Commercial; Woods	WQ Volume:	39,237	ft ³
		CP Volume:	194,907	ft ³
		25-Year Volume:	240,095	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	29.8 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X, X500	Existing Risk:	19.8	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	5.6	
Flood Width Over Road:	N/A ft	Change in Risk:	14.2	
Structure Type:	N/A	Benefit/Cost:	2.36	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00250004044-BMP-1

Asset Number: AGM_22715

Benefit/Cost: 3.09
Estimated Cost: \$862,000

Address: 510 Granite Ridge Pl
Study Area: Marsh Creek
Proposed Project Type: Wet Pond

Project Description

Build a new wet pond. The new BMP is located in a Residential - 1/3 acre lot size and Commercial area near Granite Ridge Pl. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24440109. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events. City may purchase property if funding is obtained.

Project Goals

Design a wet pond that provides a portion of both water quality and channel protection benefits.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

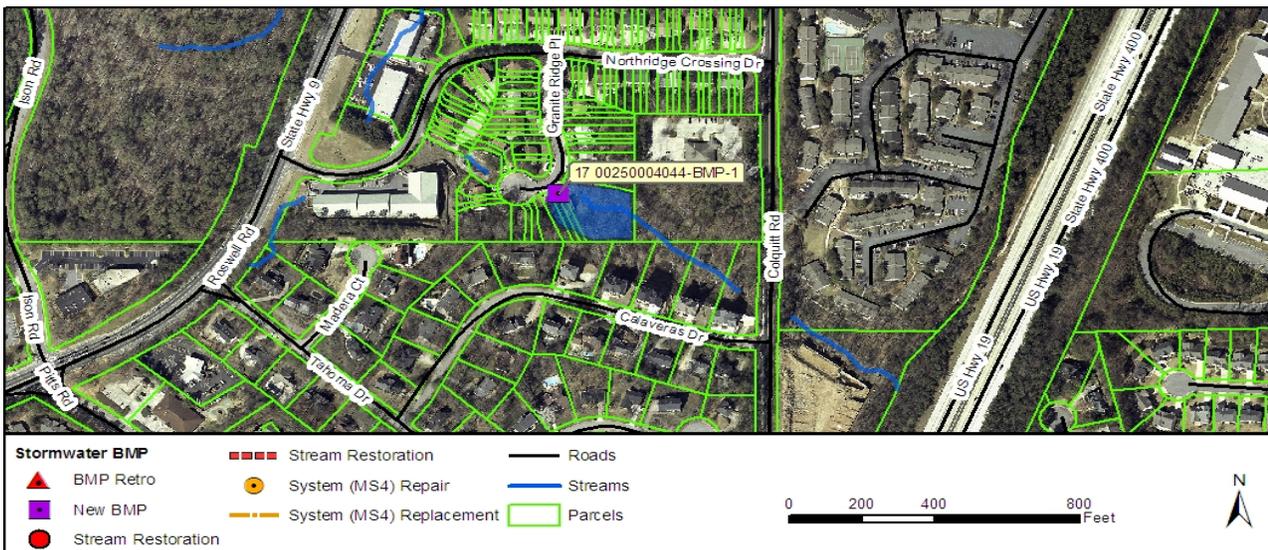


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00250004044-BMP-1
 Asset Number: AGM_22715



Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 1	TSS Yield:	1,335	lb/ac/yr
Asset Ownership:	1: City	Existing Volume:	200,145	ft ³
Parcel Ownership:	Private	Potential Volume:	200,145	ft ³
Land Use:	Residential - 1/3 acre lot size; Commercial	WQ Volume:	266,198	ft ³
		CP Volume:	945,634	ft ³
		25-Year Volume:	1,035,003	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	2	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	166.6 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500	Existing Risk:	28.2	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	9.7	
Flood Width Over Road:	N/A ft	Change in Risk:	18.5	
Structure Type:	N/A	Benefit/Cost:	3.09	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation Sandy Springs Watershed Improvement Plan

Project ID: 17 0027 LL005-BMP-1

Asset Number: AGM_16998

Benefit/Cost: 1.26
Estimated Cost: \$492,000

Address: 0 Chattahoochee River

Study Area: Marsh Creek

Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Residential - 1 acre lot size and Industrial area near Chattahoochee River. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as BC-CDM-46. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve both full water quality and channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

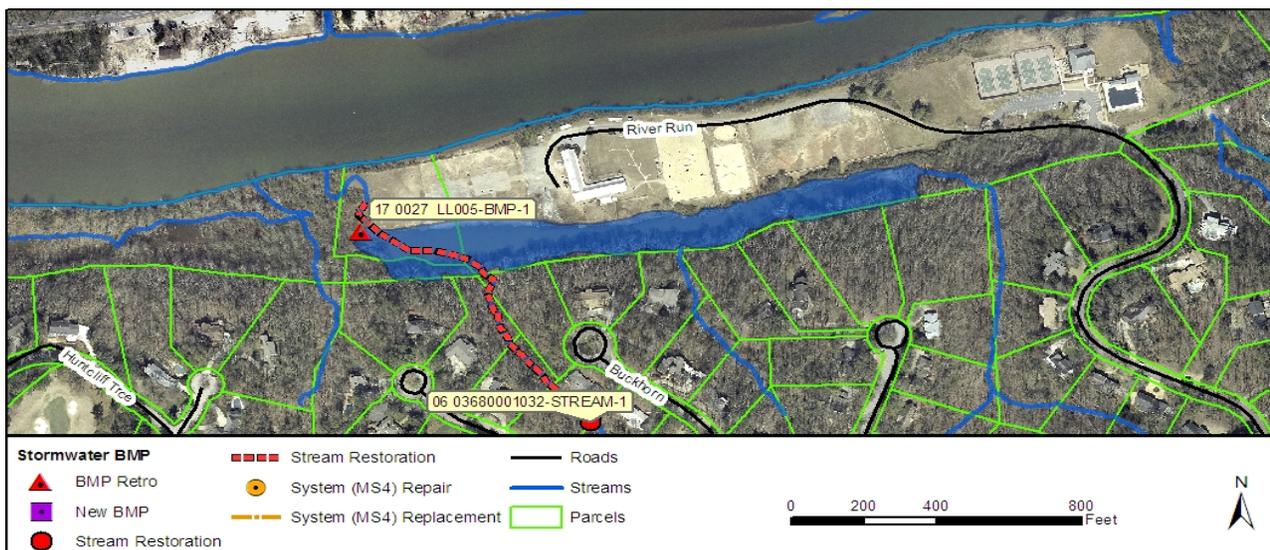


Figure 1 Plan View of Project with Aerial Photography

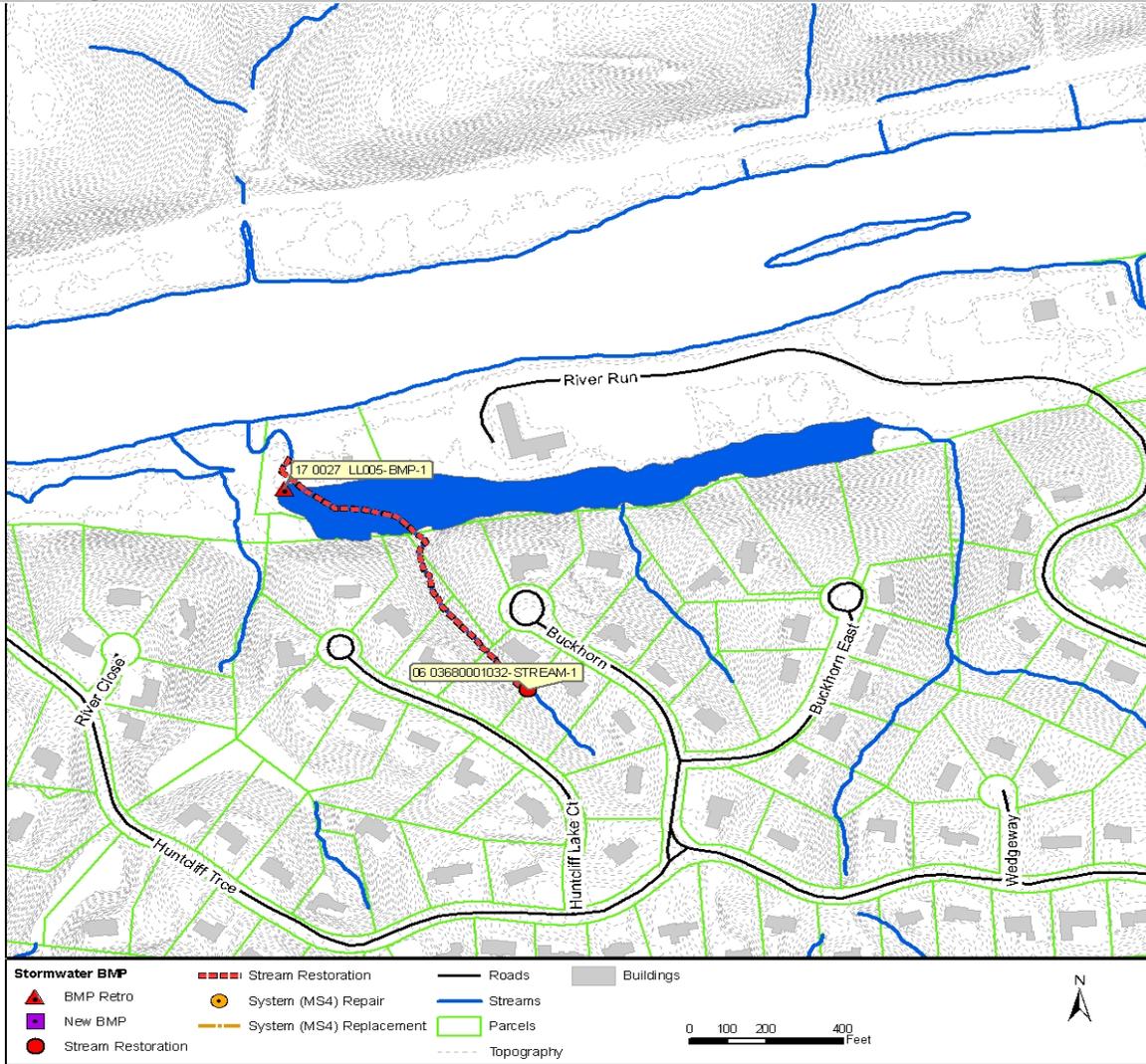


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 2	TSS Yield:	323	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	3,395,657	ft ³
Parcel Ownership:	Private	Potential Volume:	3,395,657	ft ³
Land Use:	Industrial; Residential - 1 acre lot size; Water	WQ Volume:	124,425	ft ³
		CP Volume:	460,980	ft ³
		25-Year Volume:	437,584	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	119.0 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	AE, X	Existing Risk:	7.1	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	2.1	
Flood Width Over Road:	N/A ft	Change in Risk:	5.0	
Structure Type:	N/A	Benefit/Cost:	1.26	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 17 00290002040-BMP-1

Asset Number: AGM_23229

Benefit/Cost: 3.44
Estimated Cost: \$733,000

Address: 165 Grogans Landing
Study Area: Marsh Creek

Proposed Project Type: Shallow Wetland Extended Detention

Project Description

Build a new shallow wetland extended detention. The new BMP is located in a Residential - 1/2 acre lot size and Residential - 1/3 acre lot size area near Grogans Landing. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24340210. In the shallow wetland, most of the water quality volume is in the relatively shallow marsh depths. The only deep portions of the shallow wetland design are the forebay at the inlet, and the micropool at the outlet. The outlet structure is sized to detain the water quality volume for 24 hours. Temporary storage may also be provided for channel protection and for larger storm events.

Project Goals

Design a shallow extended detention wetland that provides full water quality and a portion of the channel protection benefits.

Photos and Maps

Photo 1



Photo 2

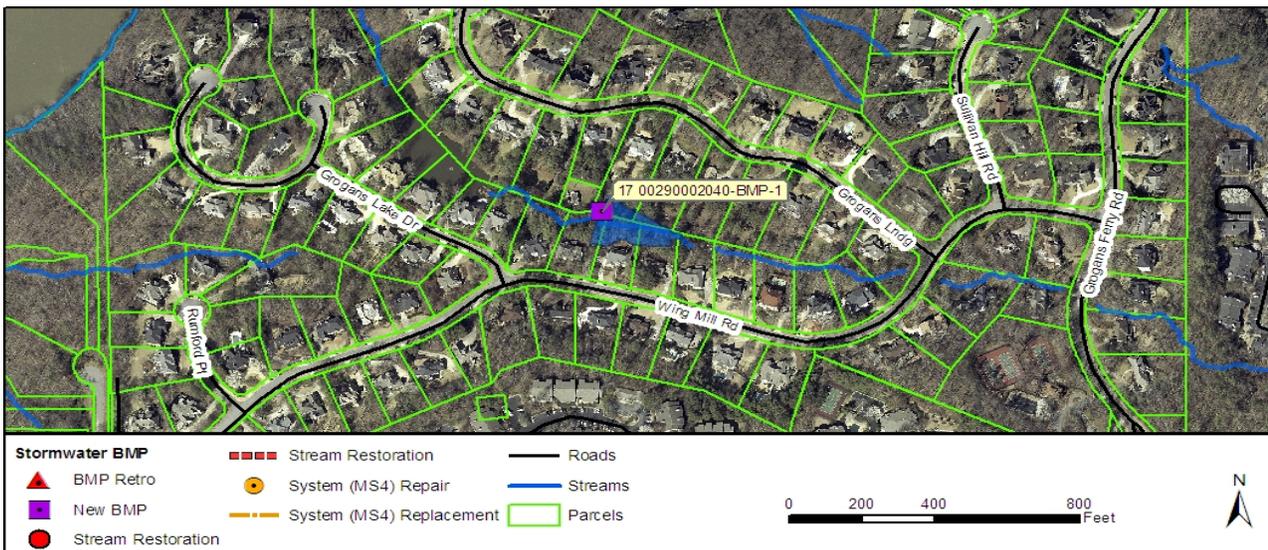


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00290002040-BMP-1
 Asset Number: AGM_23229



Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 2	TSS Yield:	1,333	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	127,328	ft ³
Parcel Ownership:	Private	Potential Volume:	127,328	ft ³
Land Use:	Residential - 1/2 acre lot size; Residential - 1/3 acre lot size	WQ Volume:	94,043	ft ³
		CP Volume:	337,178	ft ³
		25-Year Volume:	416,774	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	58.9 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	27.5	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	10.3	
Flood Width Over Road:	N/A ft	Change in Risk:	17.2	
Structure Type:	N/A	Benefit/Cost:	3.44	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 17 0030 LL066-BMP-1

Asset Number: AGM_23629

Benefit/Cost: 3.64
Estimated Cost: \$540,000

Address: 8085 Brandon Mill Rd

Study Area: Marsh Creek

Proposed Project Type: Wet Pond

Project Description

Retrofit existing dry pond into a wet pond. The existing BMP is located in a Commercial area near Brandon Mill Rd. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24340204. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve both full water quality and channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2

No photo available

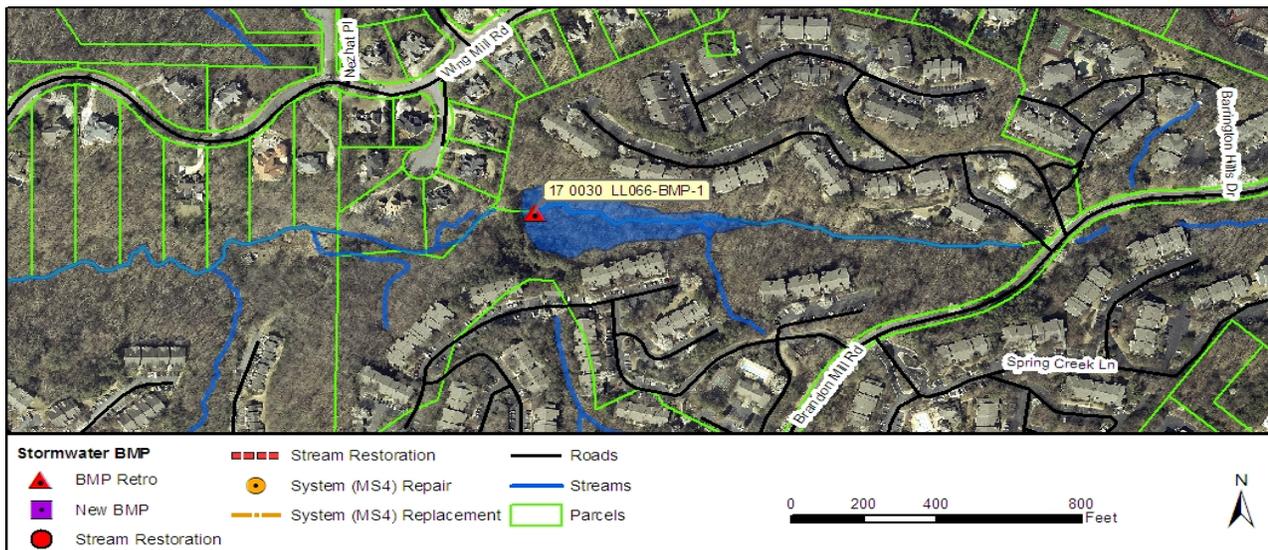


Figure 1 Plan View of Project with Aerial Photography

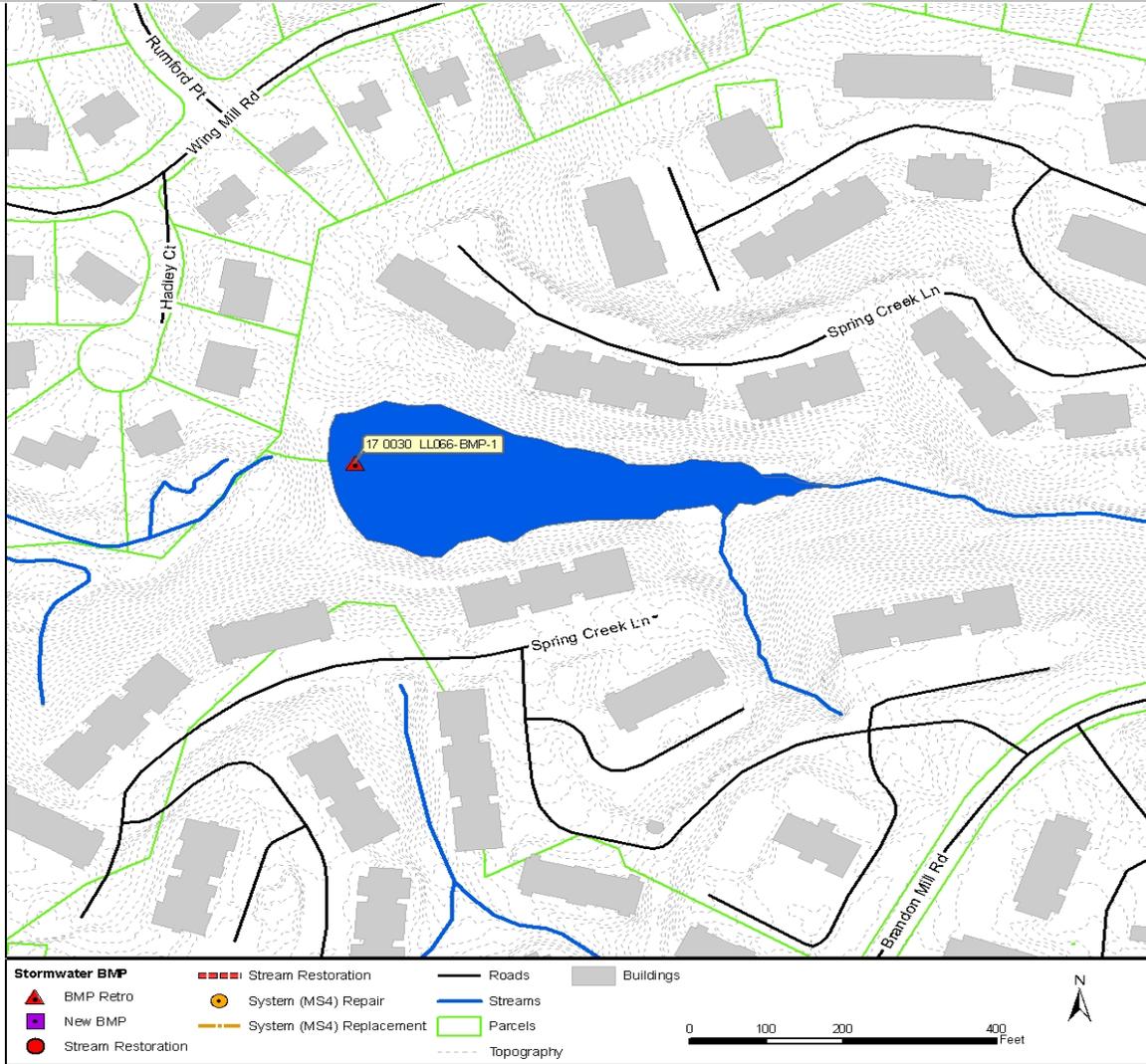


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 2	TSS Yield:	1,680	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	1,426,247	ft ³
Parcel Ownership:	Private	Potential Volume:	1,426,247	ft ³
Land Use:	Commercial	WQ Volume:	178,110	ft ³
		CP Volume:	770,785	ft ³
		25-Year Volume:	1,009,813	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	80.7 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X, X500	Existing Risk:	21.4	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	3.2	
Flood Width Over Road:	N/A ft	Change in Risk:	18.2	
Structure Type:	N/A	Benefit/Cost:	3.64	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation Sandy Springs Watershed Improvement Plan

Project ID: 17 0031 LL031-BMP-1

Asset Number: AGM_25470

Benefit/Cost: 2.45
Estimated Cost: \$564,000

Address: 800 Trowbridge Rd
Study Area: Marsh Creek
Proposed Project Type: Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located in a Commercial and Street ROW area near Trowbridge Rd. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24340419. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve both full water quality and channel protection benefits by building or significantly redesigning the control structure of the wet pond. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2

No photo available

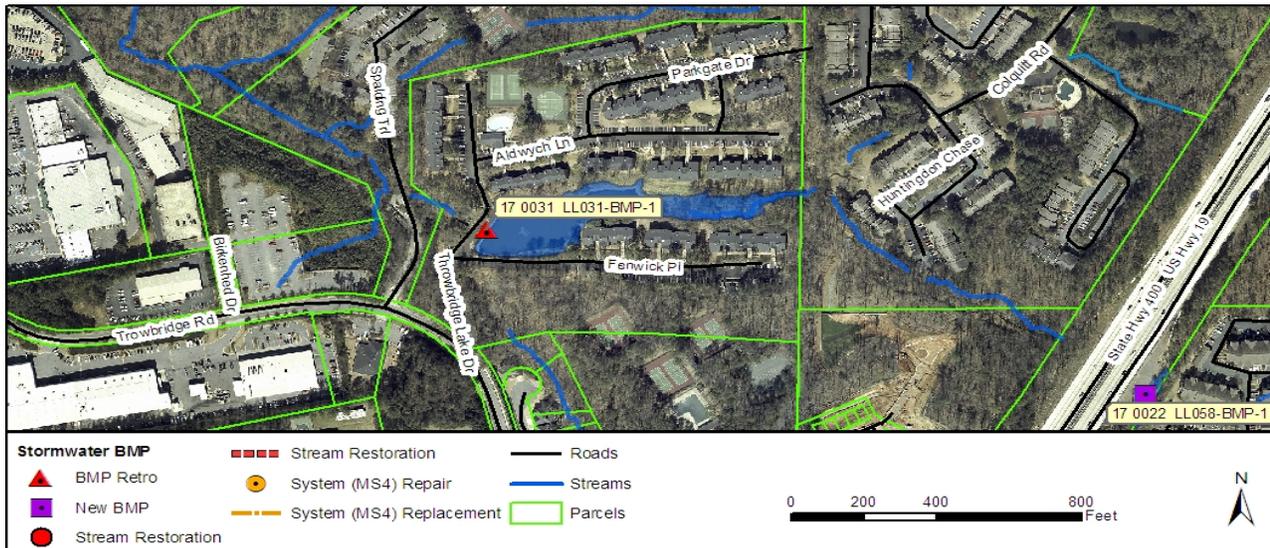


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0031 LL031-BMP-1
 Asset Number: AGM_25470

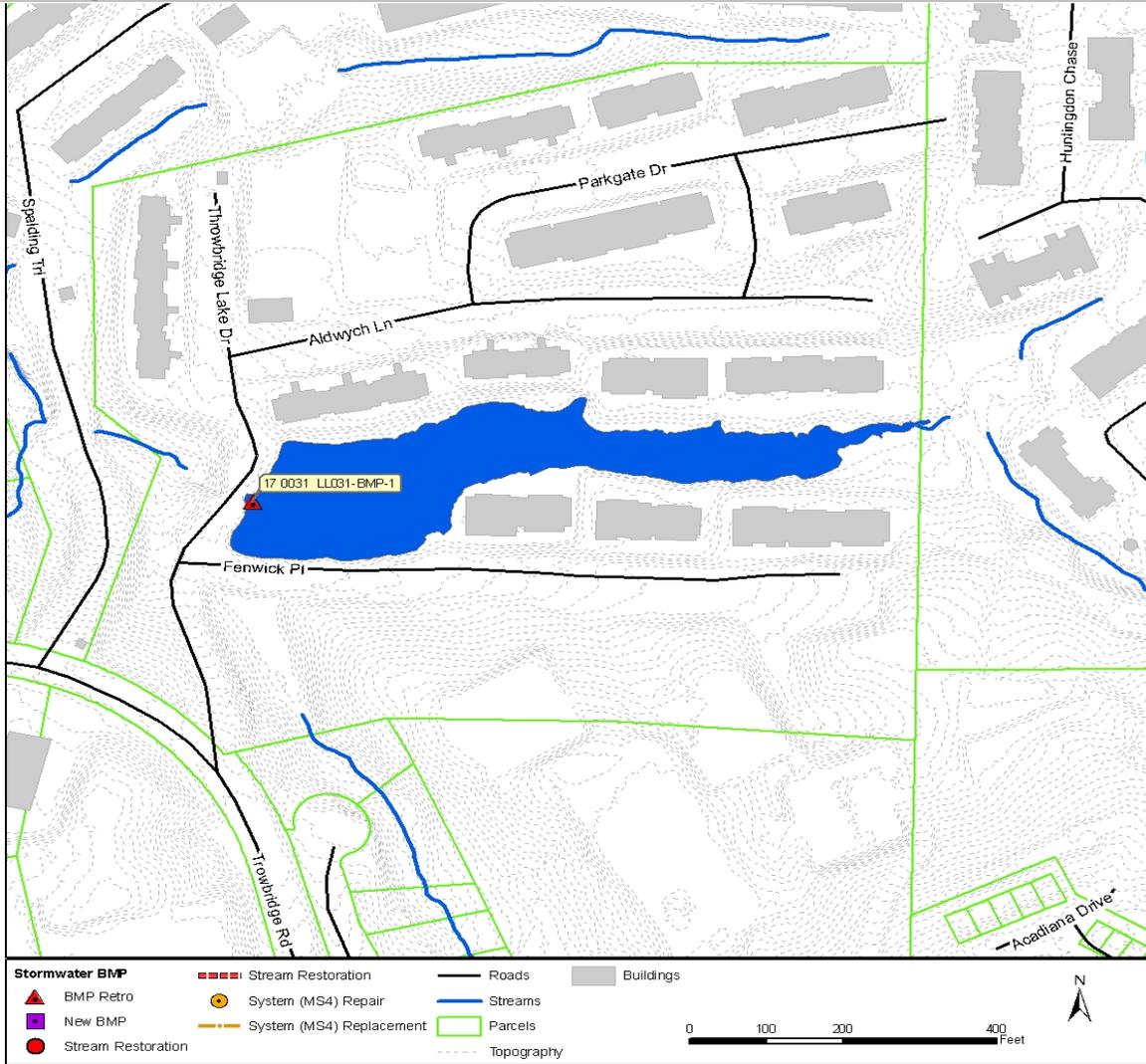


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 4	TSS Yield:	513	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	863,133	ft ³
Parcel Ownership:	Private	Potential Volume:	863,133	ft ³
Land Use:	Commercial; Streets - Open/Ditch/Includes ROW; Water	WQ Volume:	248,361	ft ³
		CP Volume:	1,224,000	ft ³
		25-Year Volume:	1,590,975	ft ³
TMDL Stream(FecalColiform):	N	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	N	Stream Order:	2	
Drainage Area:	139.4 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X, X500	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	18.3	
Flood Width Over Road:	N/A ft	Proposed Risk:	6.1	
Structure Type:	N/A	Change in Risk:	12.3	
Pipe Size:	N/A ft	Benefit/Cost:	2.45	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation Sandy Springs Watershed Improvement Plan

Project ID: 17 00330003022-BMP-1

Asset Number: AGM_19878

Benefit/Cost: 2.31
Estimated Cost: \$276,000

Address: 6985 Northgreen Dr
Study Area: Marsh Creek

Proposed Project Type: Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located in a Residential - 1 acre lot size and Commercial area near Northgreen Dr. This BMP is online and may therefore present a permitting difficulty. In a micropool extended detention pond, only a small volume of water is maintained at the outlet from the pond. The outlet structure is sized to detain the water quality volume for 24 hours. Temporary storage may also be provided for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve full water quality and channel protection benefits by converting it to a micropool extended detention pond and redesigning the control structure.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available



Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00330003022-BMP-1
 Asset Number: AGM_19878



Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 4	TSS Yield:	603	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	257,237	ft ³
Parcel Ownership:	Private	Potential Volume:	257,237	ft ³
Land Use:	Commercial	WQ Volume:	48,385	ft ³
		CP Volume:	179,237	ft ³
		25-Year Volume:	222,193	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	27.4 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	12.4	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	3.2	
Flood Width Over Road:	N/A ft	Change in Risk:	9.2	
Structure Type:	N/A	Benefit/Cost:	2.31	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 17 0034 LL012-BMP-1

Asset Number: AGM_13752

Benefit/Cost: 2.04
Estimated Cost: \$1,019,000

Address: 6615 Glenridge Dr
Study Area: Marsh Creek
Proposed Project Type: Wet Pond Extended Detention

Project Description

Build a new wet pond extended detention. The new BMP is located in a Woods area near Glenridge Dr. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24330456. In a wet extended detention pond, the water quality volume is split evenly between the permanent pool and extended detention storage provided above the permanent pool. During storm events, water is detained above the permanent pool and released over 24 hours. Temporary storage may also be provided above the water quality elevation for channel protection and for larger storm events.

Project Goals

Design a wet extended detention pond that provides a portion of the water quality benefits.

Photos and Maps

Photo 1



Photo 2

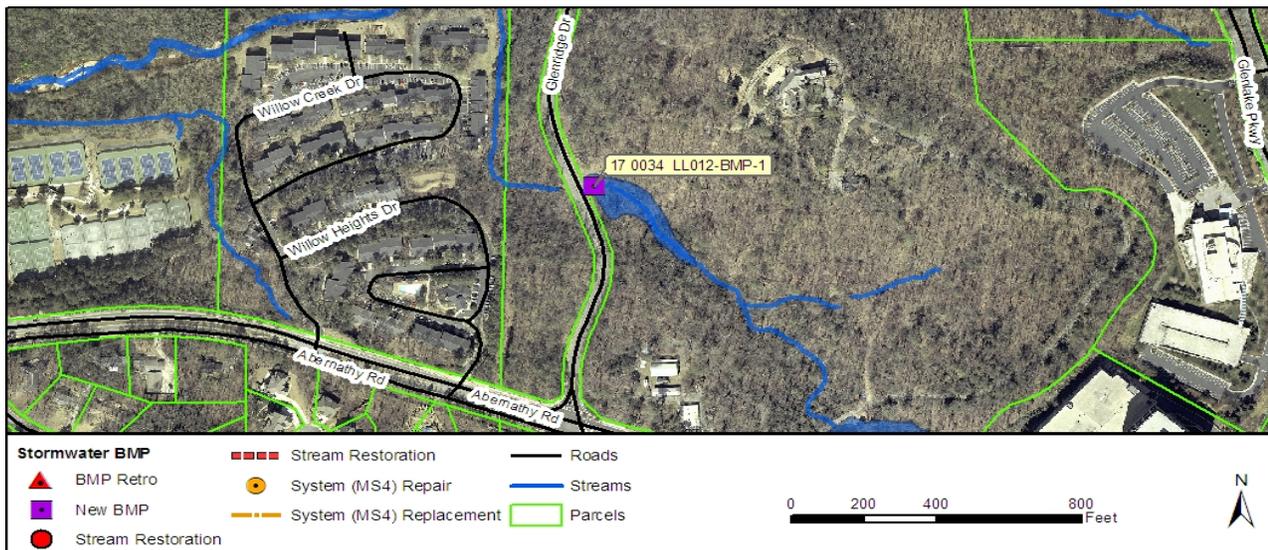


Figure 1 Plan View of Project with Aerial Photography

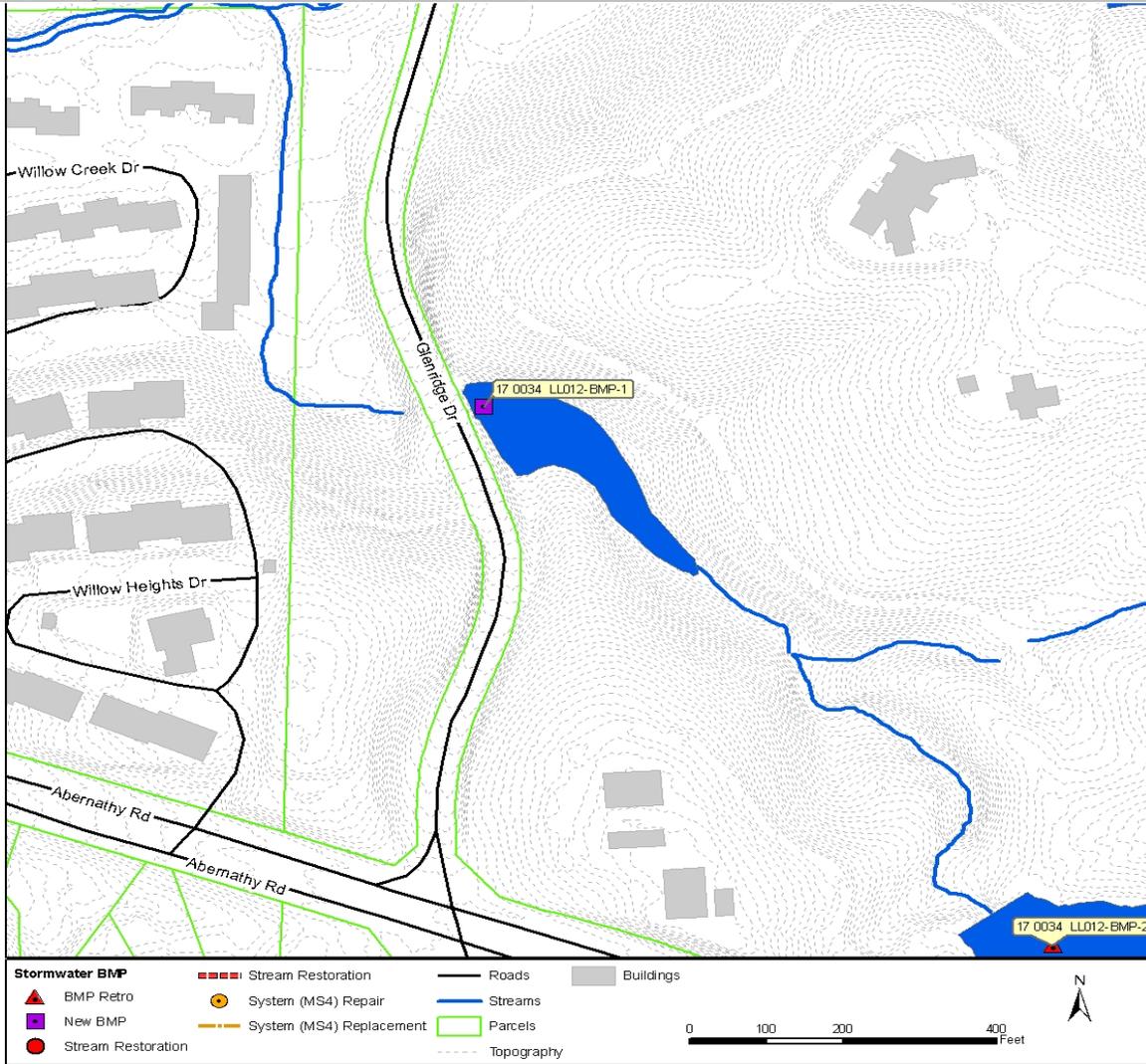


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 4	TSS Yield:	498	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach	Existing Volume:	258,261	ft ³
Parcel Ownership:	Private	Potential Volume:	258,261	ft ³
Land Use:	Woods	WQ Volume:	697,425	ft ³
		CP Volume:	2,858,389	ft ³
		25-Year Volume:	3,492,488	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y	Stream Order:	2	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	410.1 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	AE-FLOODWAY, X	Existing Risk:	27.4	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	13.1	
Flood Width Over Road:	N/A ft	Change in Risk:	14.3	
Structure Type:	N/A	Benefit/Cost:	2.04	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 17 0034 LL031-BMP-1

Asset Number: AGM_13756

Benefit/Cost: 4.42
Estimated Cost: \$1,032,000

Address: 0 Glenlake Pkwy
Study Area: Marsh Creek
Proposed Project Type: Wet Pond Extended Detention

Project Description

Build a new wet pond extended detention. The new BMP is located in a Woods area near Glenlake Pkwy. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24330465. In a wet extended detention pond, the water quality volume is split evenly between the permanent pool and extended detention storage provided above the permanent pool. During storm events, water is detained above the permanent pool and released over 24 hours. Temporary storage may also be provided above the water quality elevation for channel protection and for larger storm events.

Project Goals

Design a wet extended detention pond that provides full water quality and a portion of the channel protection benefits.

Photos and Maps

Photo 1



Photo 2

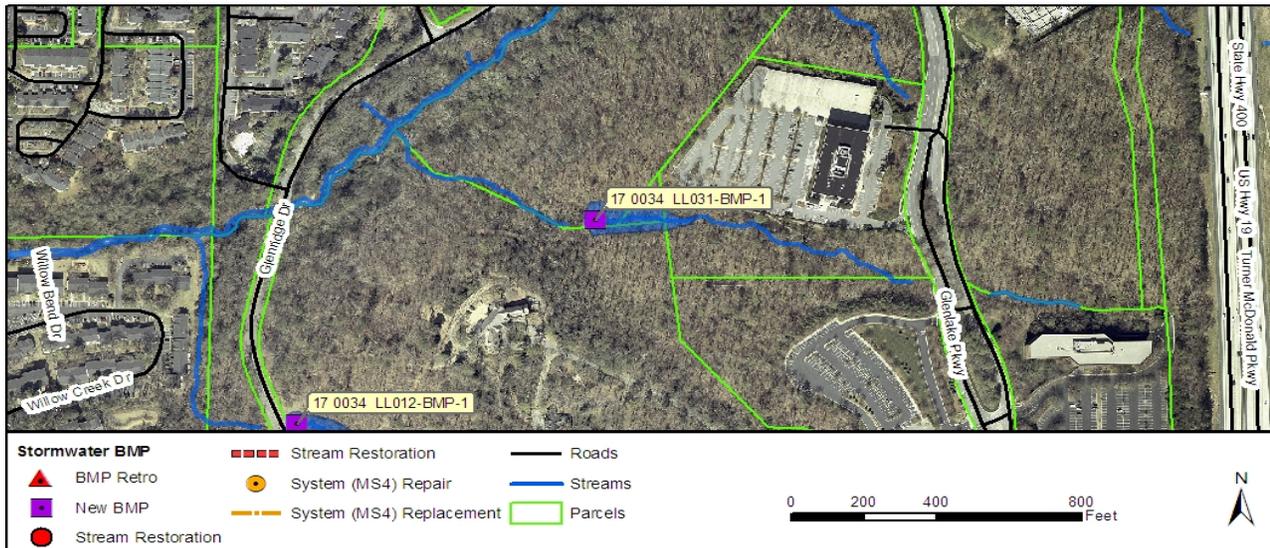


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0034 LL031-BMP-1
 Asset Number: AGM_13756

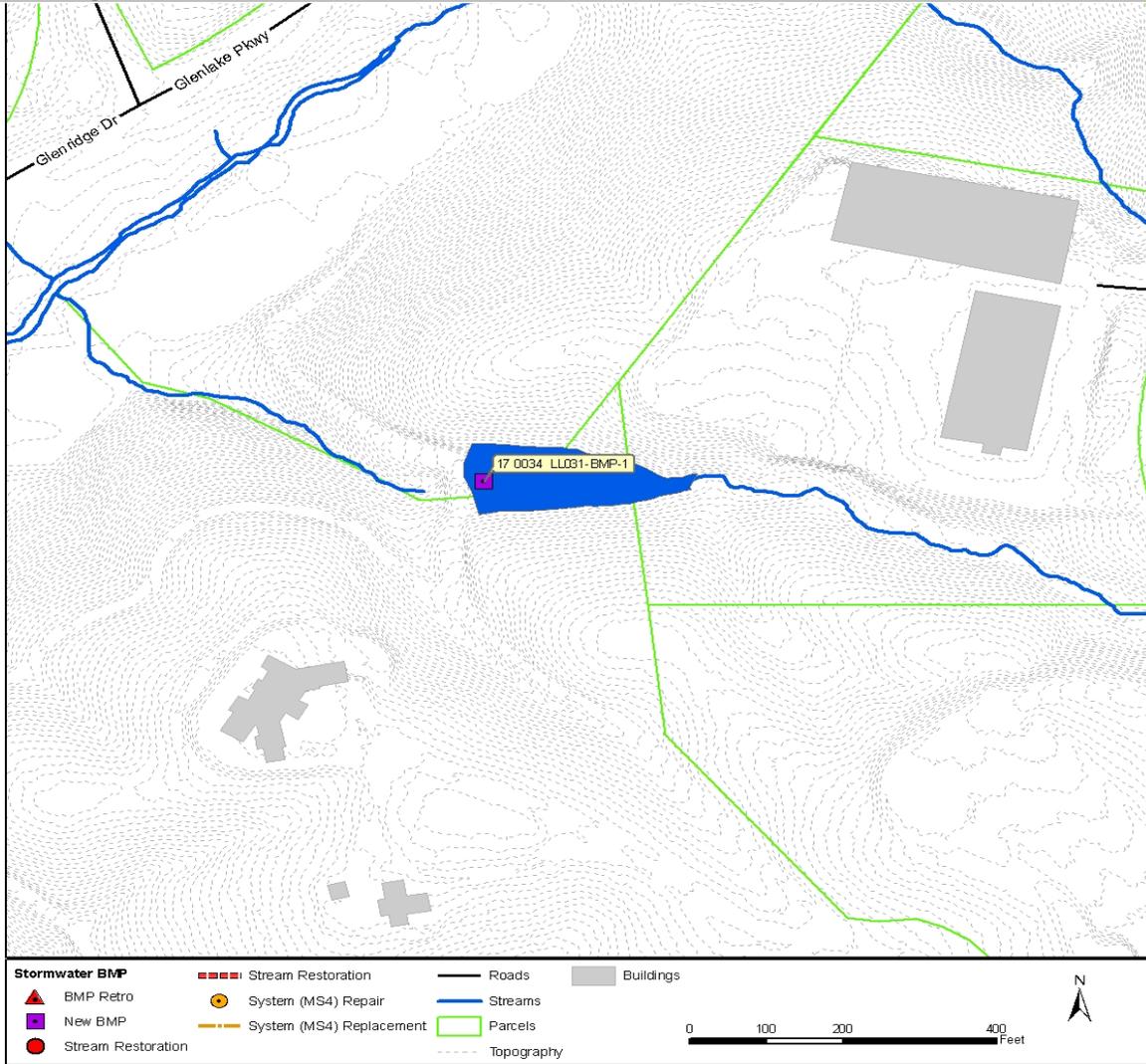


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics				
City Council District:	District 4	TSS Yield:	1,386	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	259,757	ft ³
Parcel Ownership:	Private	Potential Volume:	259,757	ft ³
Land Use:	Woods	WQ Volume:	71,995	ft ³
		CP Volume:	269,585	ft ³
		25-Year Volume:	331,281	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	35.2 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	37.2	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	6.2	
Flood Width Over Road:	N/A ft	Change in Risk:	30.9	
Structure Type:	N/A	Benefit/Cost:	4.42	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0074 LL019-BMP-1

Asset Number: AGM_15612

Benefit/Cost: 3.06
Estimated Cost: \$1,630,000

Address: 7200 Roswell Rd Ne
Study Area: Marsh Creek
Proposed Project Type: Wet Pond

Project Description

Build a new wet pond. The new BMP is located in a Commercial area near Roswell Rd NE. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24330114. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

Design a wet pond that provides full water quality and a portion of the channel protection benefits.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

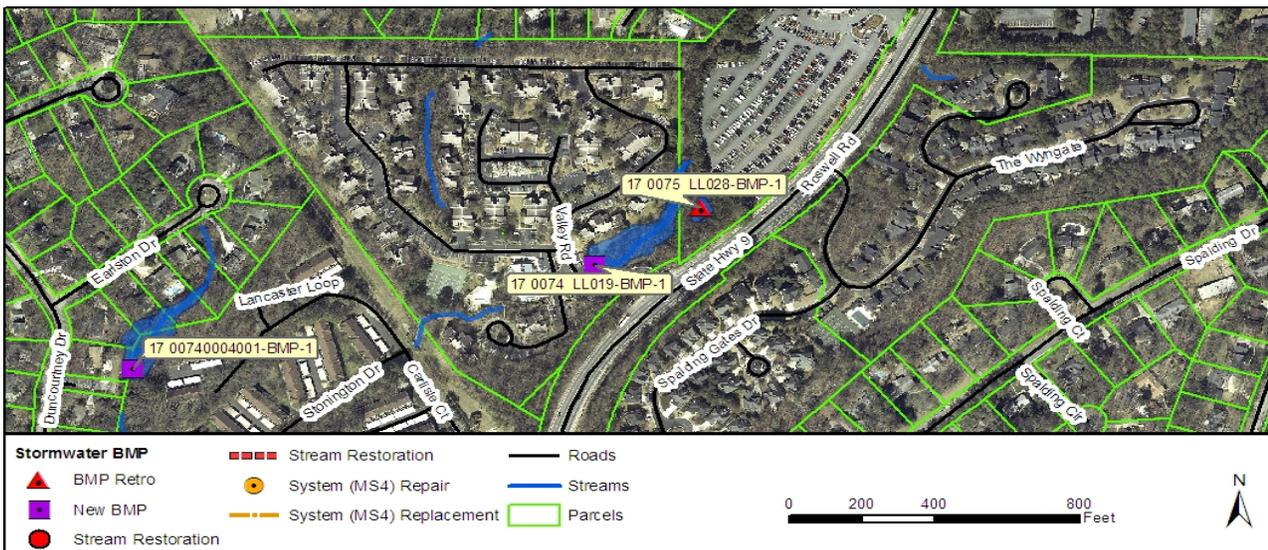


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0074 LL019-BMP-1
 Asset Number: AGM_15612

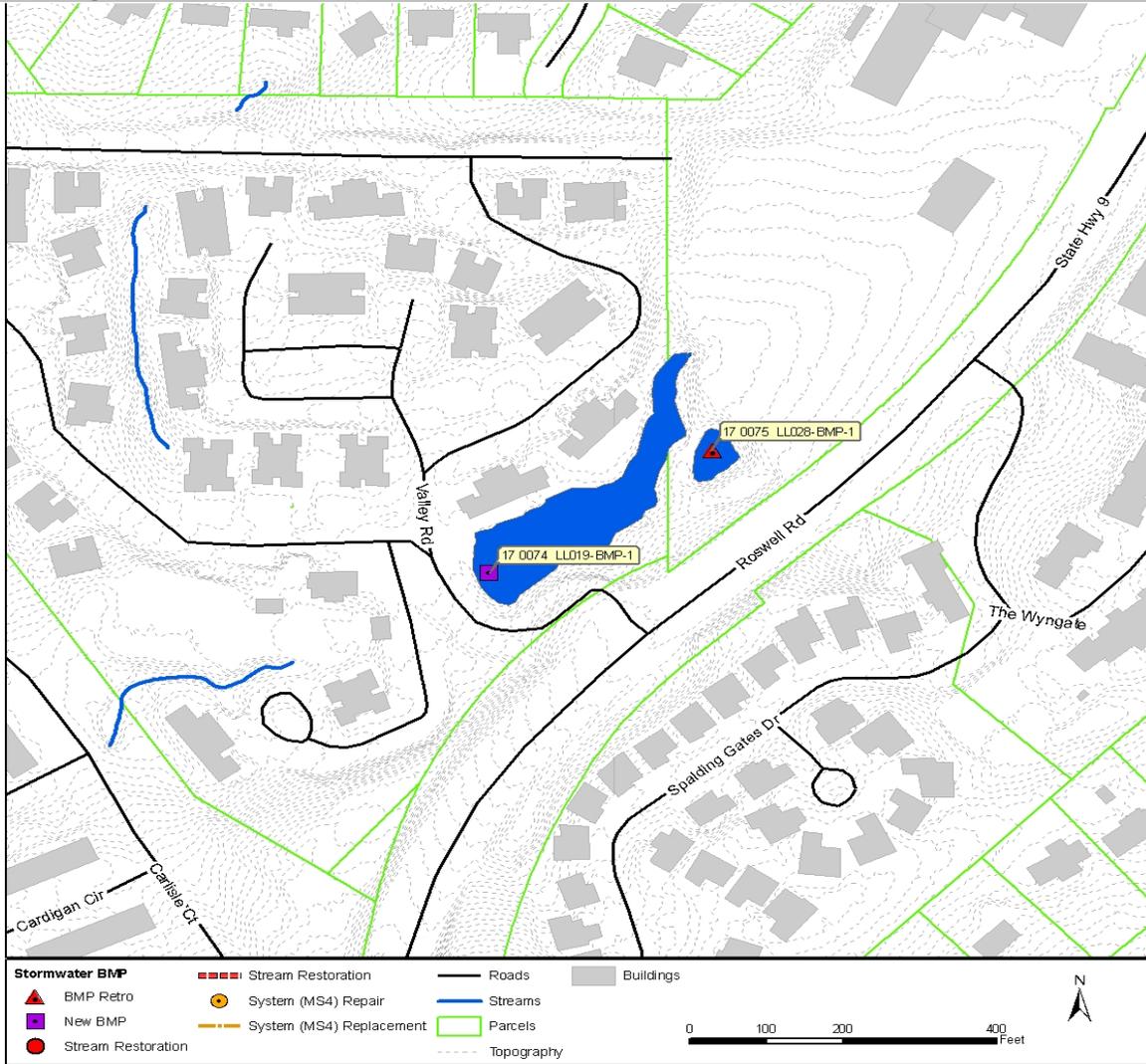


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3	TSS Yield:	1,367	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	454,518	ft ³
Parcel Ownership:	Private	Potential Volume:	454,518	ft ³
Land Use:	Commercial	WQ Volume:	187,268	ft ³
		CP Volume:	701,631	ft ³
		25-Year Volume:	912,945	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	78.8 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X, X500	Existing Risk:	35.4	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	10.9	
Flood Width Over Road:	N/A ft	Change in Risk:	24.5	
Structure Type:	N/A	Benefit/Cost:	3.06	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 17 00740002017-BMP-1

Asset Number: AGM_15580

Benefit/Cost: 2.07
Estimated Cost: \$1,630,000

Address: 445 W Spalding Dr Ne
Study Area: Marsh Creek

Proposed Project Type: Wet Pond Extended Detention

Project Description

Build a new wet pond extended detention. The new BMP is located in a Residential - 1/2 acre lot size and Woods area near W Spalding Dr NE. This BMP is online and may therefore present a permitting difficulty. In a wet extended detention pond, the water quality volume is split evenly between the permanent pool and extended detention storage provided above the permanent pool. During storm events, water is detained above the permanent pool and released over 24 hours. Temporary storage may also be provided above the water quality elevation for channel protection and for larger storm events.

Project Goals

Design a wet extended detention pond that provides full water quality and a portion of the channel protection benefits.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

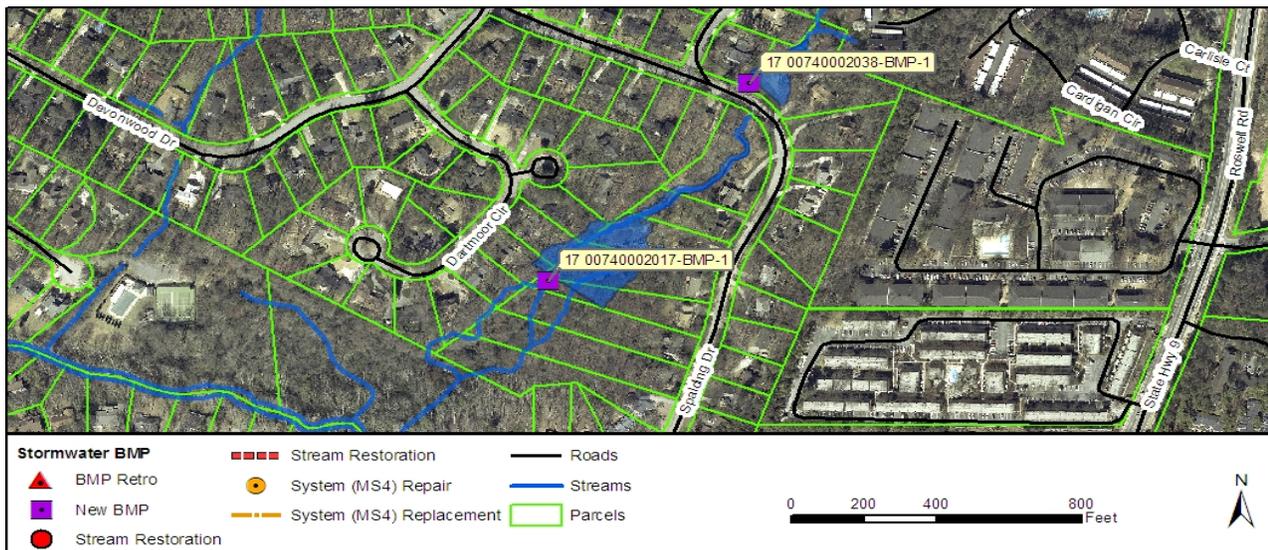


Figure 1 Plan View of Project with Aerial Photography

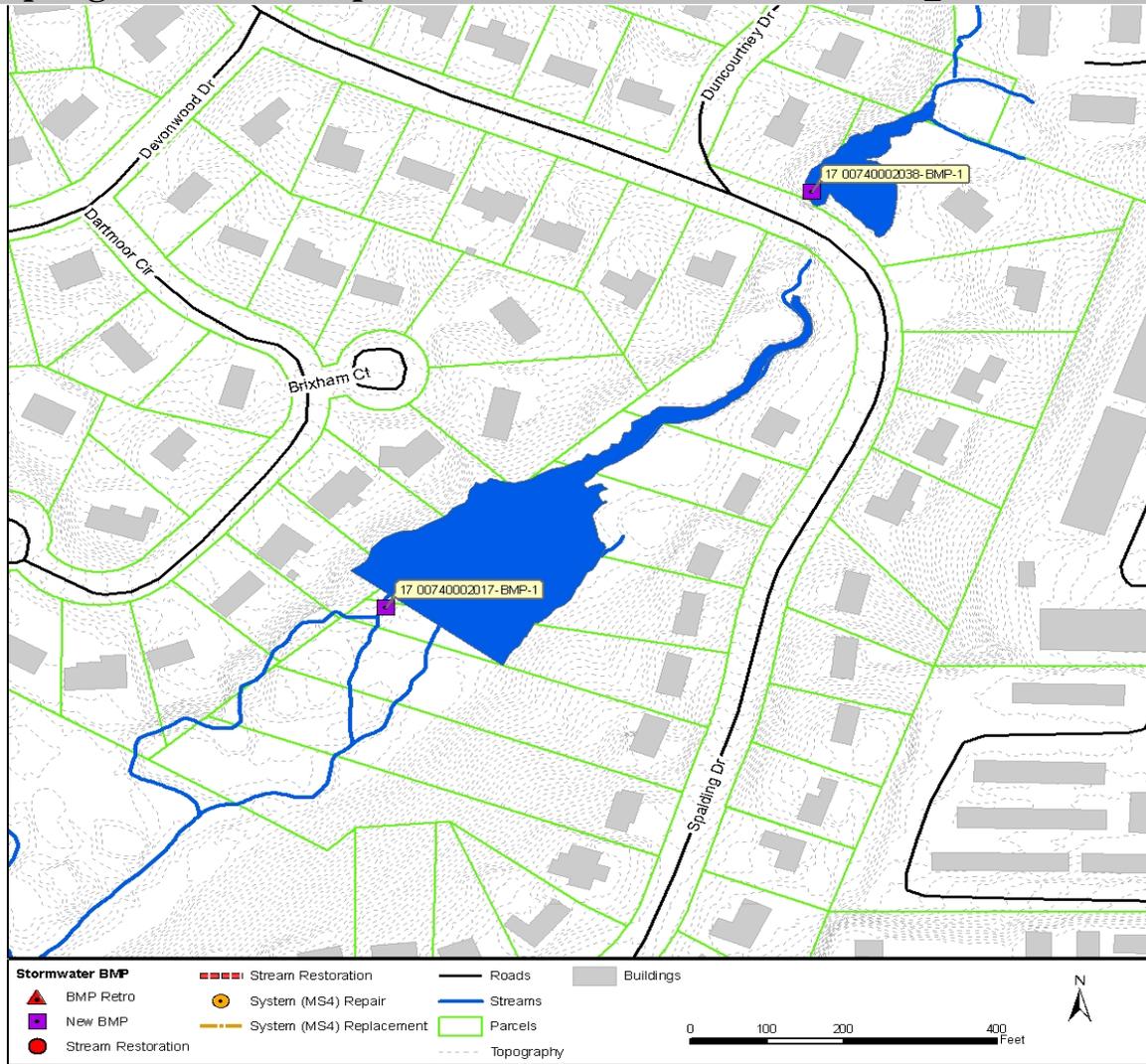


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3	TSS Yield:	1,753	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach	Existing Volume:	454,518	ft ³
Parcel Ownership:	Private	Potential Volume:	454,518	ft ³
Land Use:	Residential - 1/2 acre lot size; Woods	WQ Volume:	395,796	ft ³
		CP Volume:	1,519,335	ft ³
		25-Year Volume:	1,929,197	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	N	Stream Order:	2	
Drainage Area:	203.0 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X, X500	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	36.3	
Flood Width Over Road:	N/A ft	Proposed Risk:	19.7	
Structure Type:	N/A	Change in Risk:	16.6	
Pipe Size:	N/A ft	Benefit/Cost:	2.07	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00740002038-BMP-1

Asset Number: AGM_15559

Benefit/Cost: 1.05
 Estimated Cost: \$306,000

Address: 360 W Spalding Dr Ne
 Study Area: Marsh Creek

Proposed Project Type: Dry Extended Detention

Project Description

Build a new dry extended detention basin. The new BMP is located in a Residential - 1/2 acre lot size and Street ROW area near W Spalding Dr NE. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24330109. In a dry extended detention basin, the channel protection volume is stored and released over 24 hours. Temporary storage may also be provided for larger storm events.

Project Goals

Design a dry extended detention basin to achieve a portion of the channel protection benefits.

Photos and Maps

Photo 1



Photo 2

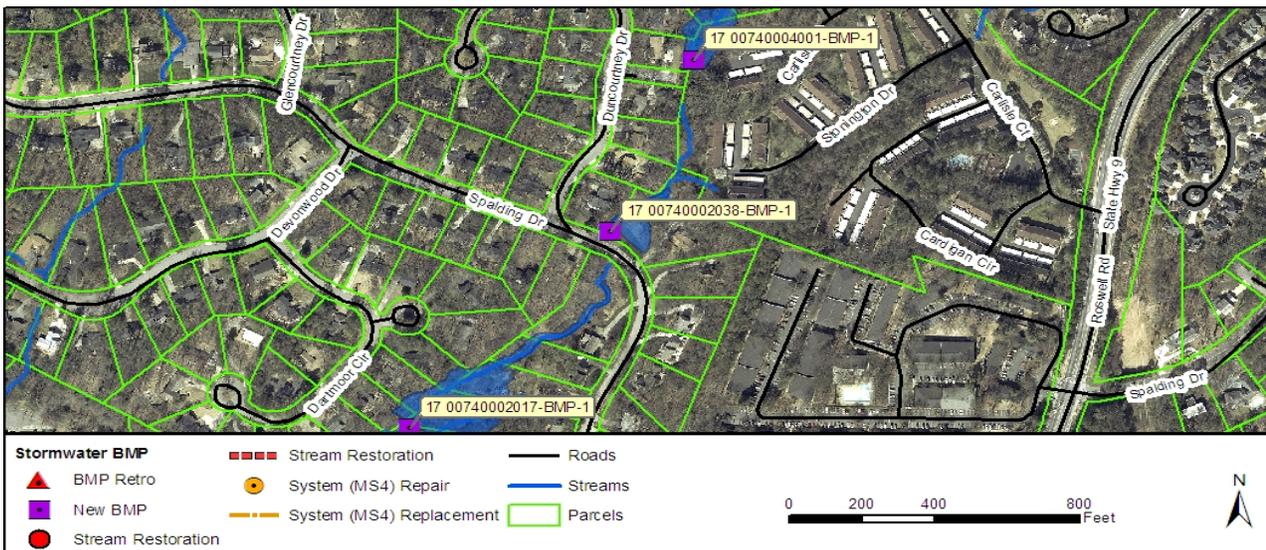


Figure 1 Plan View of Project with Aerial Photography

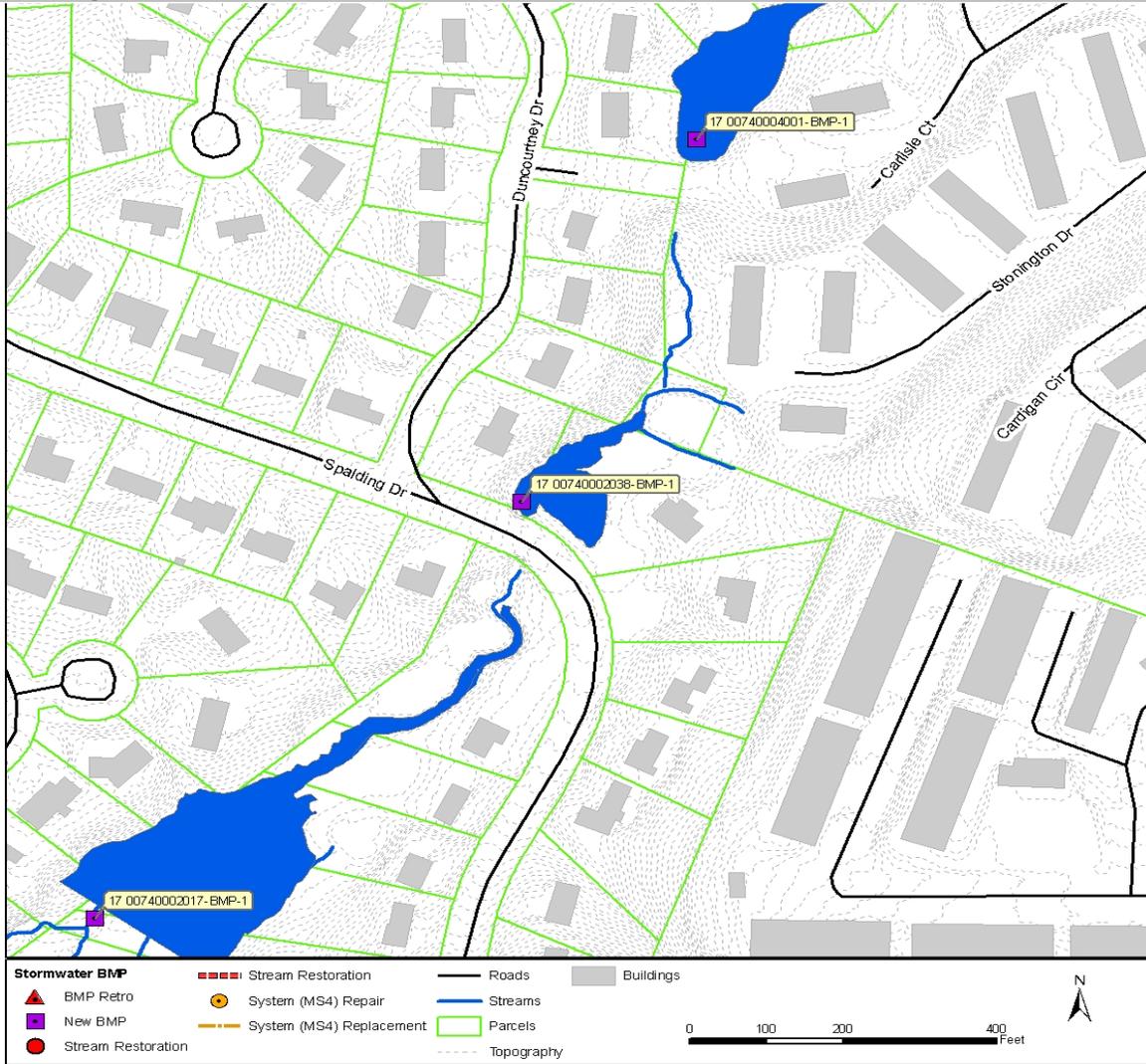


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3	TSS Yield:	1,465	lb/ac/yr
Asset Ownership:	9: To Be Determined	Existing Volume:	42,630	ft ³
Parcel Ownership:	Private, City	Potential Volume:	42,630	ft ³
Land Use:	Residential - 1/2 acre lot size; Streets - Open/Ditch/Includes ROW	WQ Volume:	343,235	ft ³
		CP Volume:	1,346,270	ft ³
		25-Year Volume:	1,721,959	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	N	Stream Order:	2	
Drainage Area:	170.0 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X500	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	41.7	
Flood Width Over Road:	N/A ft	Proposed Risk:	37.5	
Structure Type:	N/A	Change in Risk:	4.2	
Pipe Size:	N/A ft	Benefit/Cost:	1.05	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00740004001-BMP-1

Asset Number: AGM_15555

Benefit/Cost: 1.48
Estimated Cost: \$1,106,000

Address: 7313 Cardigan Cir
Study Area: Marsh Creek
Proposed Project Type: Shallow Wetland

Project Description

Build a new shallow wetland. The new BMP is located in a Residential - 1/2 acre lot size and Commercial area near Cardigan Cir. This project was included in the previous CIP as SS-BMP-24330108. In the shallow wetland, most of the water quality volume is in the relatively shallow marsh depths. The only deep portions of the shallow wetland design are the forebay at the inlet, and the micropool at the outlet. Temporary storage may also be provided for channel protection and for larger storm events.

Project Goals

Design a shallow wetland that provides both full water quality benefits.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available



Figure 1 Plan View of Project with Aerial Photography

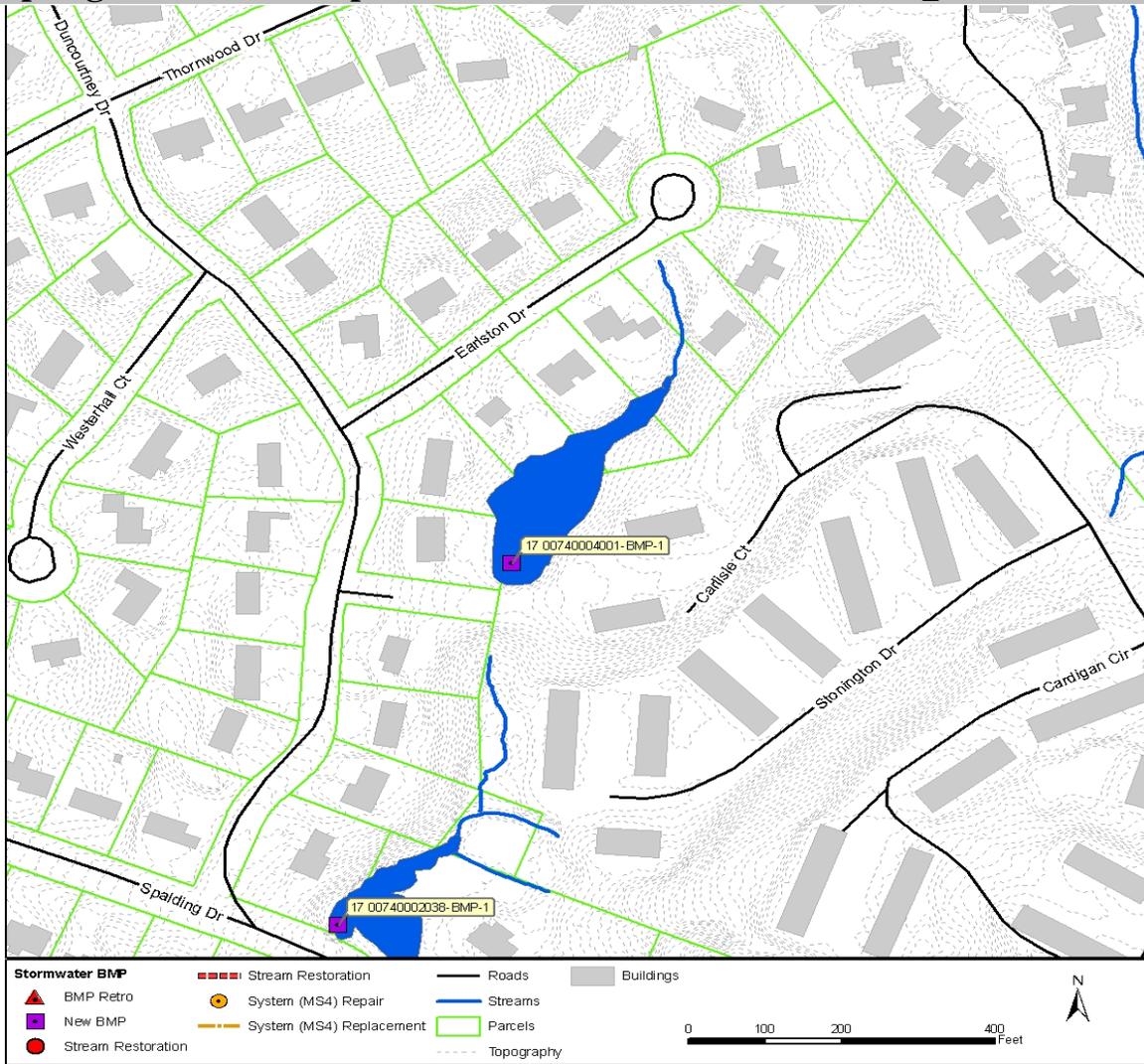


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3	TSS Yield:	175	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	239,268	ft ³
Parcel Ownership:	Private	Potential Volume:	239,268	ft ³
Land Use:	Commercial; Residential - 1/2 acre lot size	WQ Volume:	26,460	ft ³
		CP Volume:	85,257	ft ³
		25-Year Volume:	97,316	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y	Stream Order:	Offline	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	19.4 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	21.9	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	11.5	
Flood Width Over Road:	N/A ft	Change in Risk:	10.4	
Structure Type:	N/A	Benefit/Cost:	1.48	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 17 0075 LL028-BMP-1

Asset Number: AGM_15523

Benefit/Cost: 4.27
Estimated Cost: \$144,000

Address: 7200 Roswell Rd Ne
Study Area: Marsh Creek

Proposed Project Type: Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located in a Commercial area near Roswell Rd NE. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24330206. In a micropool extended detention pond, only a small volume of water is maintained at the outlet from the pond. The outlet structure is sized to detain the water quality volume for 24 hours. Temporary storage may also be provided for channel protection and for larger storm events.

Project Goals

This proposed retrofit will achieve a portion of the water quality benefits by converting it into a micropool extended detention pond and redesigning the control structure.

Photos and Maps

Photo 1



Photo 2

No photo available

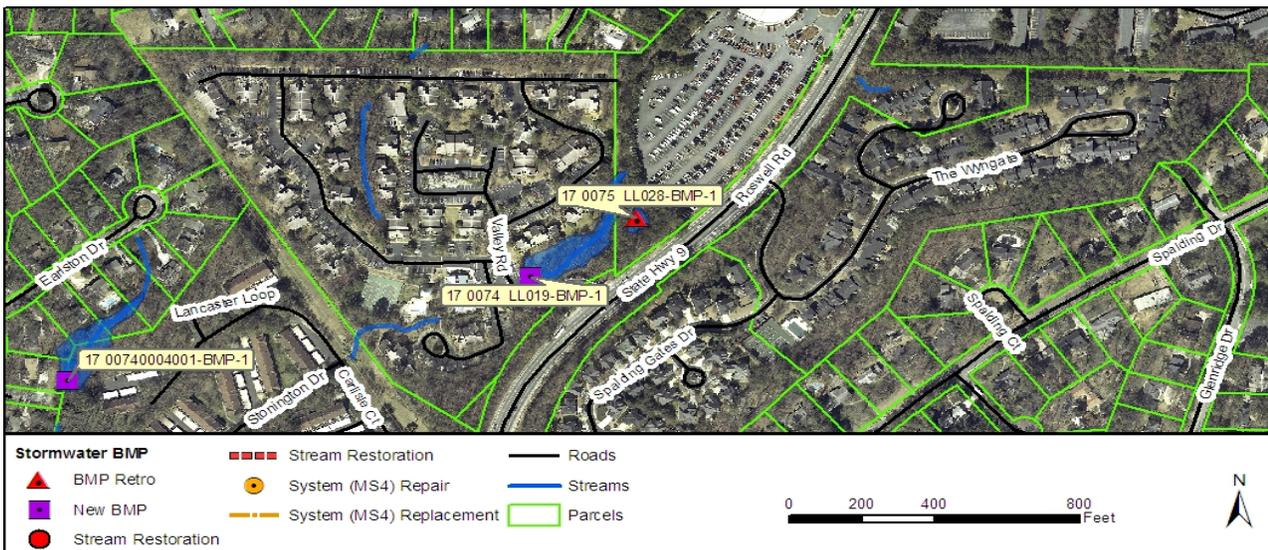


Figure 1 Plan View of Project with Aerial Photography

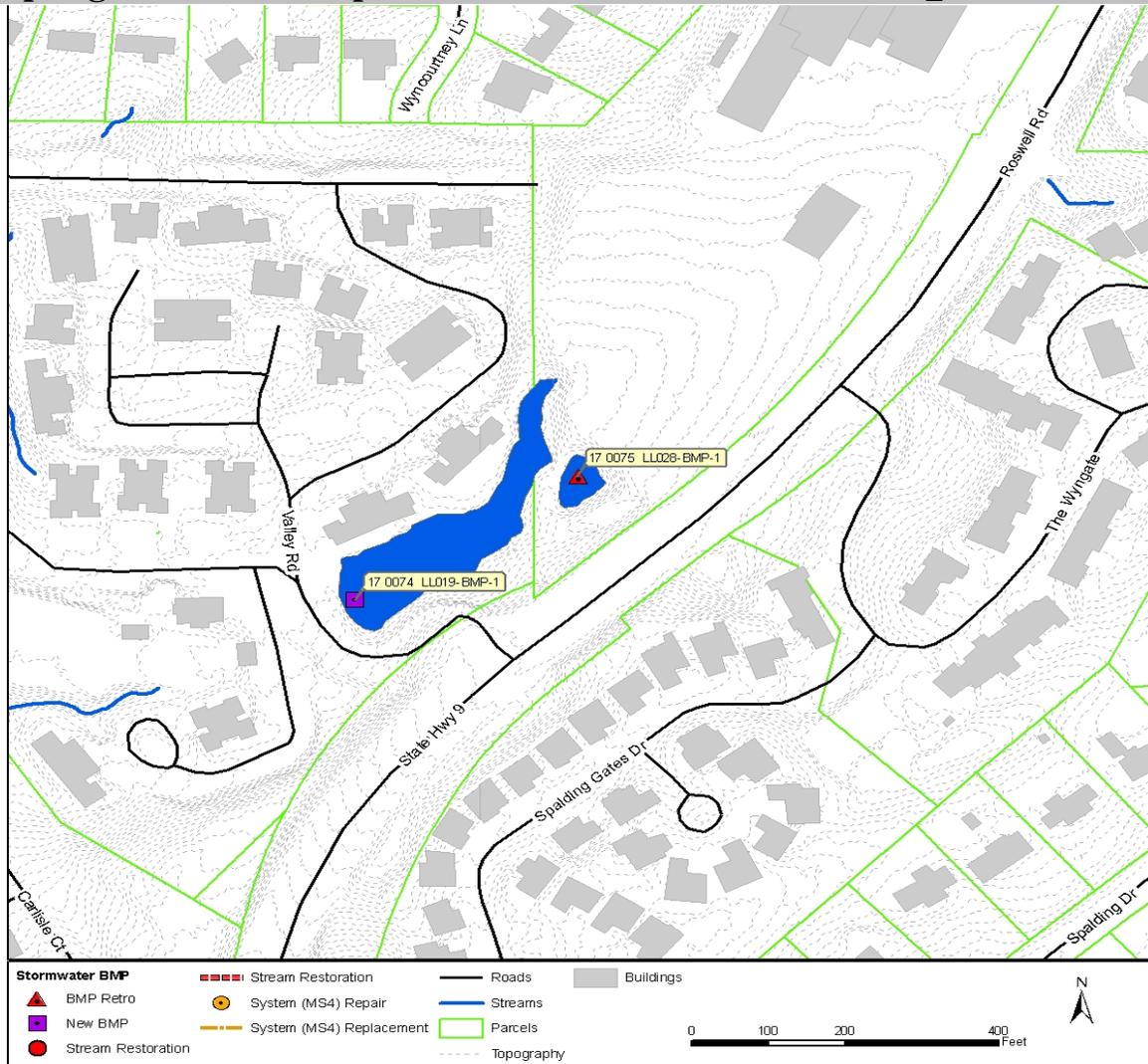


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3	TSS Yield:	525	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	30,518	ft ³
Parcel Ownership:	Private	Potential Volume:	30,518	ft ³
Land Use:	Commercial	WQ Volume:	34,998	ft ³
		CP Volume:	164,792	ft ³
		25-Year Volume:	216,283	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y	Stream Order:	Offline	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	18.5 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X, X500	Existing Risk:	26.8	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	14.0	
Flood Width Over Road:	N/A ft	Change in Risk:	12.8	
Structure Type:	N/A	Benefit/Cost:	4.27	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0076 LL061-BMP-1

Asset Number: AGM_23984

Benefit/Cost: 3.68
Estimated Cost: \$982,000

Address: 415 Trowgate Ln Rear
Study Area: Marsh Creek

Proposed Project Type: Wet Pond Extended Detention

Project Description

Build a new wet pond extended detention. The new BMP is located in a Commercial area near Trowgate Ln Rear. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24340311. In a wet extended detention pond, the water quality volume is split evenly between the permanent pool and extended detention storage provided above the permanent pool. During storm events, water is detained above the permanent pool and released over 24 hours. Temporary storage may also be provided above the water quality elevation for channel protection and for larger storm events.

Project Goals

Design a wet extended detention pond that provides full water quality and a portion of the channel protection benefits.

Photos and Maps

Photo 1

Photo 2

No photo available

No photo available

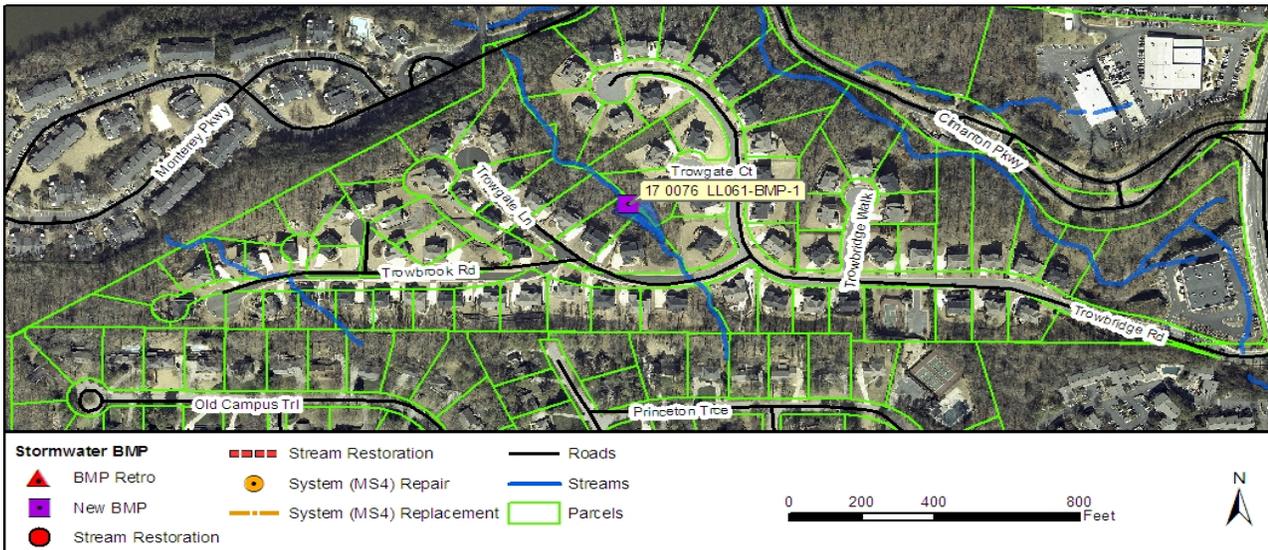


Figure 1 Plan View of Project with Aerial Photography



Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 2	TSS Yield:	837	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	250,117	ft ³
Parcel Ownership:	Private	Potential Volume:	250,117	ft ³
Land Use:	Commercial	WQ Volume:	103,821	ft ³
		CP Volume:	278,669	ft ³
		25-Year Volume:	319,054	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	1	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	61.8 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	26.8	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	4.7	
Flood Width Over Road:	N/A ft	Change in Risk:	22.1	
Structure Type:	N/A	Benefit/Cost:	3.68	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00790001025-STREAM-1

Asset Number: BAC_00037

Benefit/Cost: 0.61
Estimated Cost: \$719,000

Address: 8700 The Fifth Green Ne

Study Area: Marsh Creek

Proposed Project Type: Stream Restoration

Project Description

Level 2 restoration is proposed for a 700 foot reach located west of Dunwoody Club golf course and east of Chattahoochee River. A Level 2 approach includes restoring the stream and floodplain within the existing channel at the present elevation or a new channel adjacent to the old but at the same elevation. The new channel will be based on the dimension, pattern, and profile characteristic of a stable reference reach

Project Goals

Stabilize streambanks to reduce streambank erosion, decrease suspended sediment load, and prevent property damage. Improve water quality and instream habitat. Establish and protect a vegetated buffer along the stream. Restore proper dimension, pattern, and profile so the channel will move water and sediment without aggrading or degrading while also considering flood hazards. Work with property owners to encourage near-stream conservation efforts.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

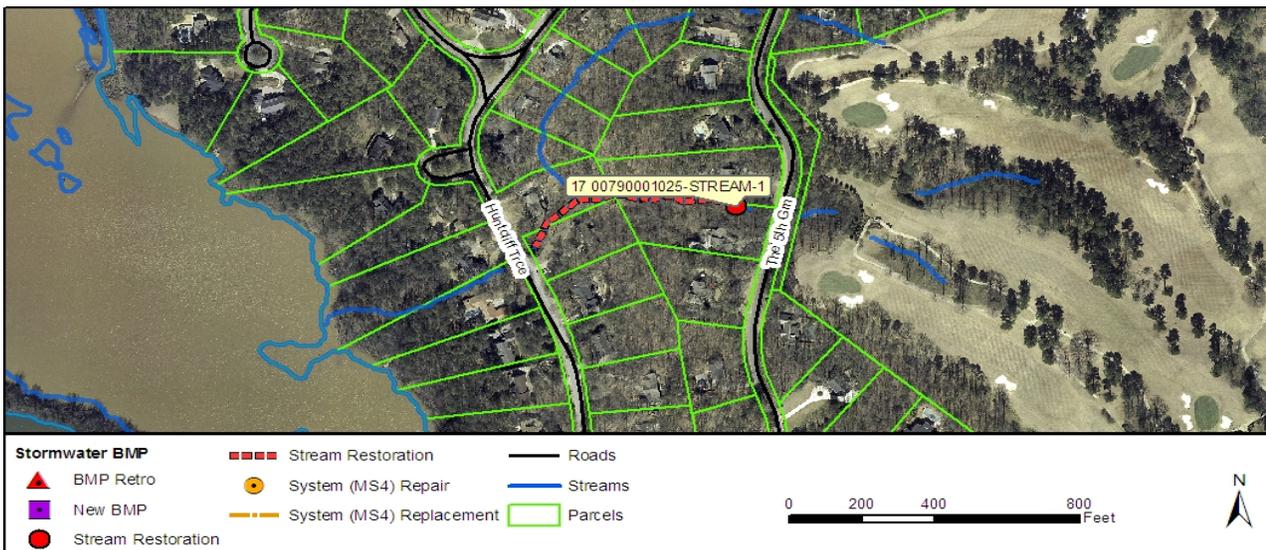


Figure 1 Plan View of Project with Aerial Photography

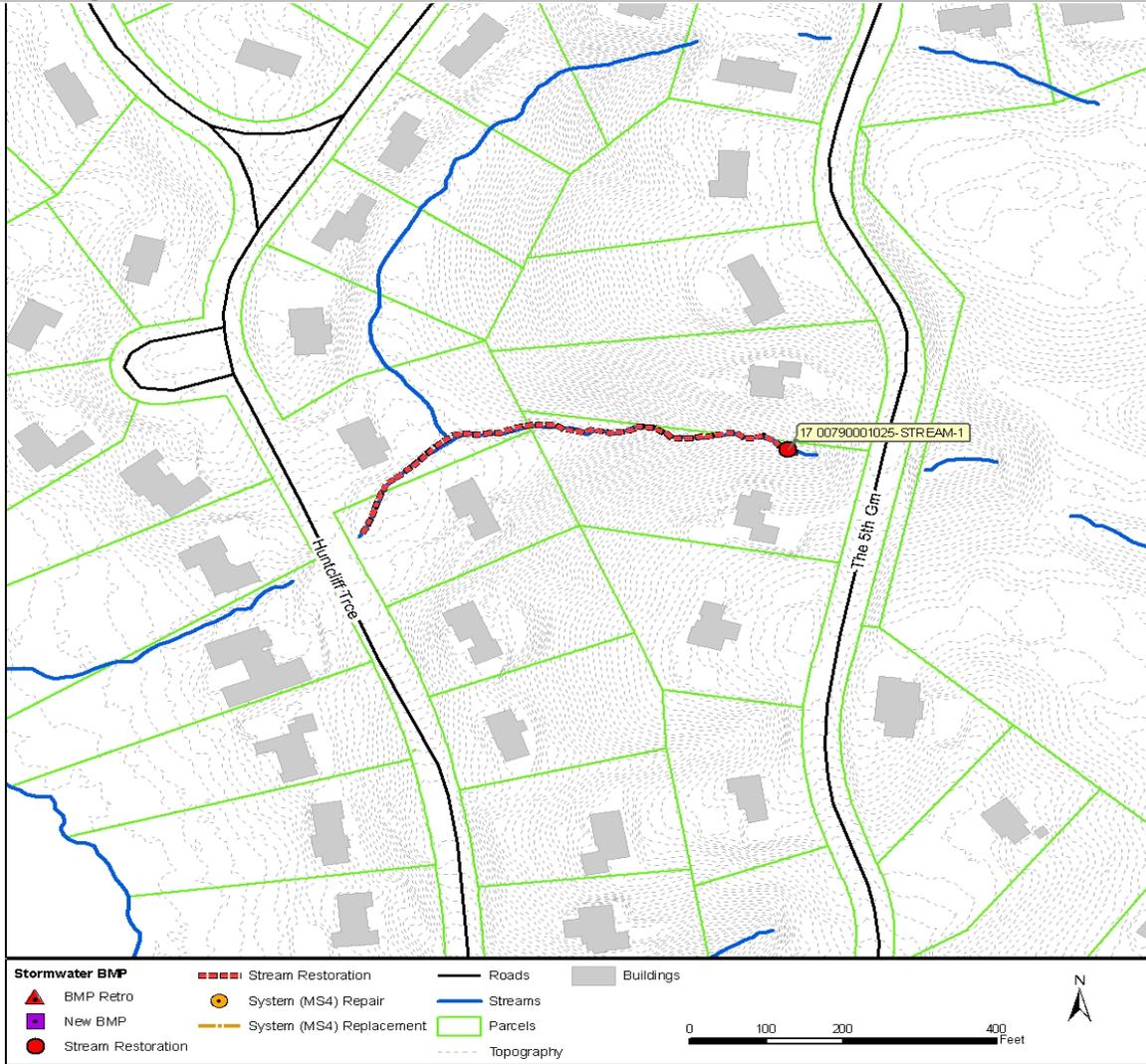


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 2	TSS Yield:	55	lb/ac/yr
Asset Ownership:	Not Applicable	Existing Volume:	N/A	ft ³
Parcel Ownership:	Private	Potential Volume:	N/A	ft ³
Land Use:	Residential - 1 acre lot size	WQ Volume:	N/A	ft ³
		CP Volume:	N/A	ft ³
		25-Year Volume:	N/A	ft ³
		Stream Project Length:	672	ft
TMDL Stream(FecalColiform):	N	Stream Order:	Offline	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	No Data	No Data
Drainage Area:	17.1 acres	Bank Height:	No Data	No Data
FEMA Flood Hazard Zone:	X	Existing Risk:	8.8	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	5.8	
Flood Width Over Road:	N/A ft	Change in Risk:	3.0	
Structure Type:	N/A	Benefit/Cost:	0.61	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00850004025-BMP-1

Asset Number: AGM_15888

Benefit/Cost: 2.75
Estimated Cost: \$889,000

Address: 320 Wilderlake Ct
Study Area: Marsh Creek
Proposed Project Type: Wet Pond

Project Description

Build a new wet pond. The new BMP is located in a Residential - 1 acre lot size and Woods area near Wilderlake Ct. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24340310. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

Design a wet pond that provides full water quality and a portion of the channel protection benefits.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

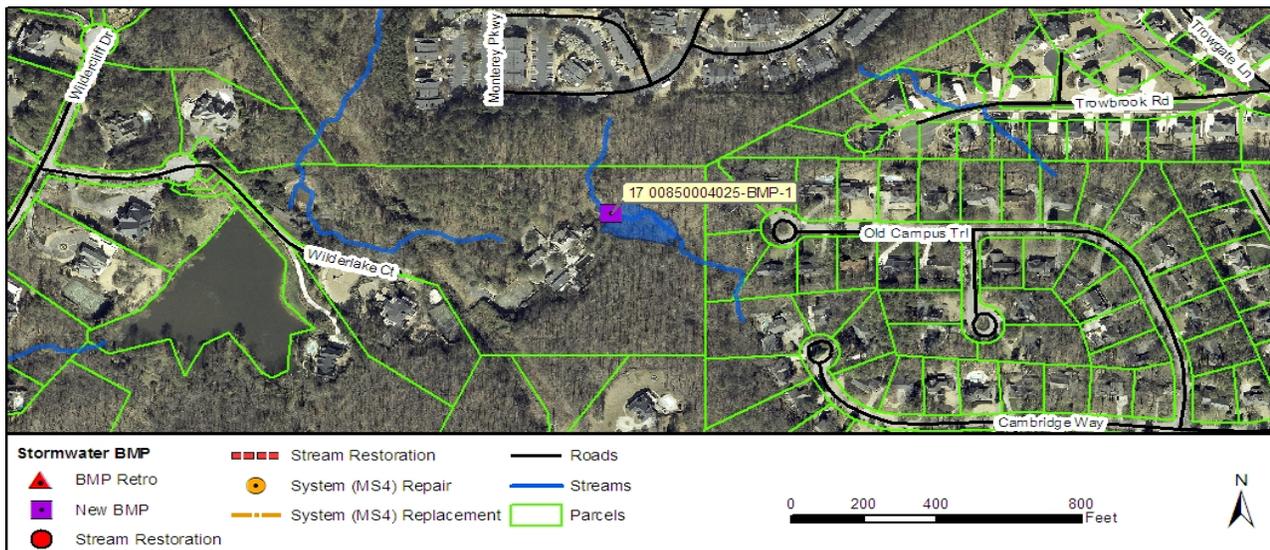


Figure 1 Plan View of Project with Aerial Photography

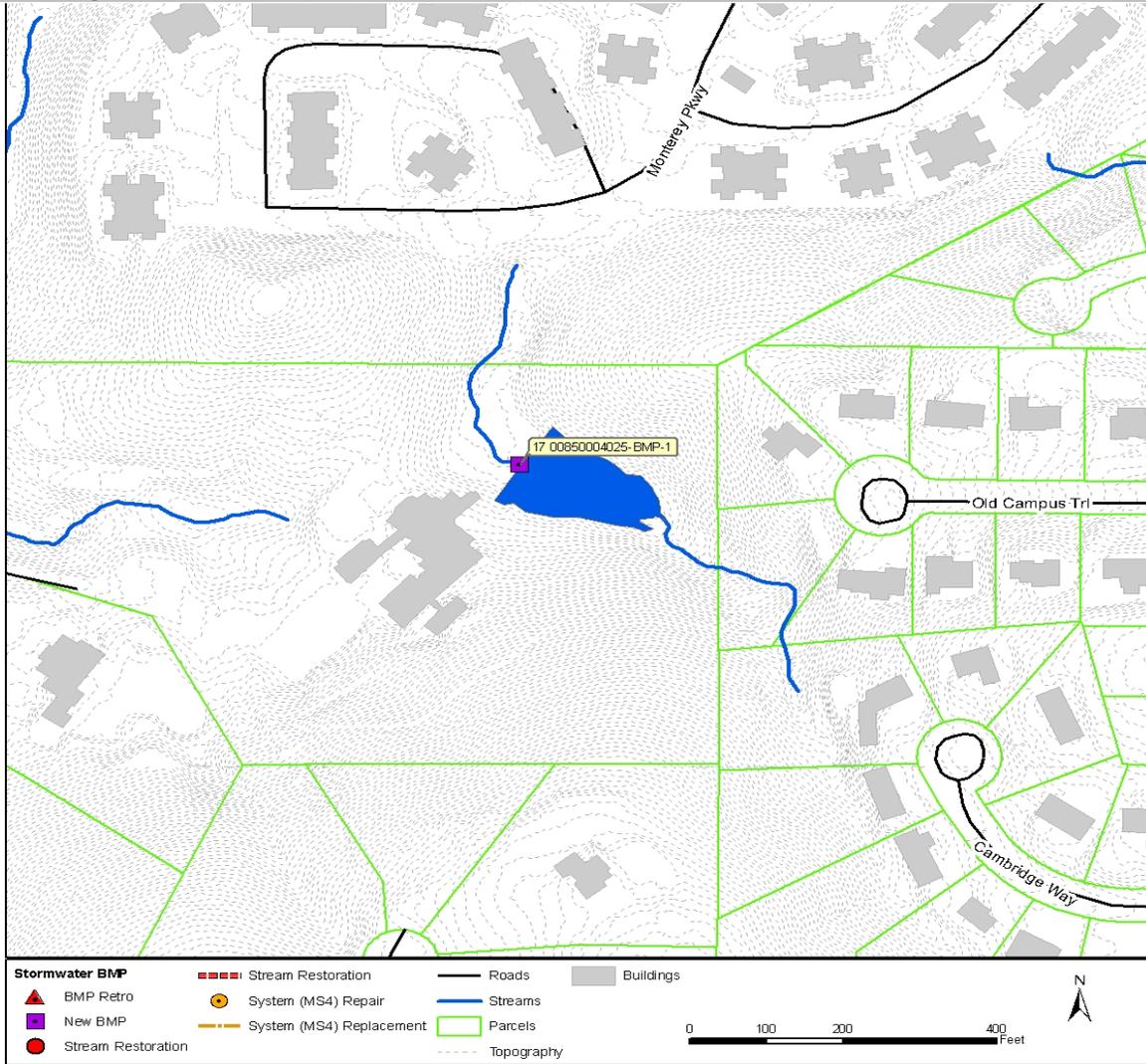


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 2	TSS Yield:	975	lb/ac/yr
Asset Ownership:	0: N/A	Existing Volume:	218,450	ft ³
Parcel Ownership:	Private	Potential Volume:	218,450	ft ³
Land Use:	Residential - 1 acre lot size; Woods	WQ Volume:	80,783	ft ³
		CP Volume:	197,513	ft ³
		25-Year Volume:	188,695	ft ³
TMDL Stream(FecalColiform):	N	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	N	Stream Order:	1	
Drainage Area:	58.2 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	20.3	
Flood Width Over Road:	N/A ft	Proposed Risk:	3.8	
Structure Type:	N/A	Change in Risk:	16.5	
Pipe Size:	N/A ft	Benefit/Cost:	2.75	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 17 00870004032-BMP-1

Asset Number: AGM_18783

Benefit/Cost: 1.79
Estimated Cost: \$1,964,000

Address: 219 Abernathy Rd
Study Area: Marsh Creek
Proposed Project Type: Wet Pond

Project Description

Build a new wet pond. The new BMP is located in a Residential - 1/2 acre lot size and Commercial area near Abernathy Rd. This BMP is online and may therefore present a permitting difficulty. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

Design a wet pond that provides full water quality and a portion of the channel protection benefits.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

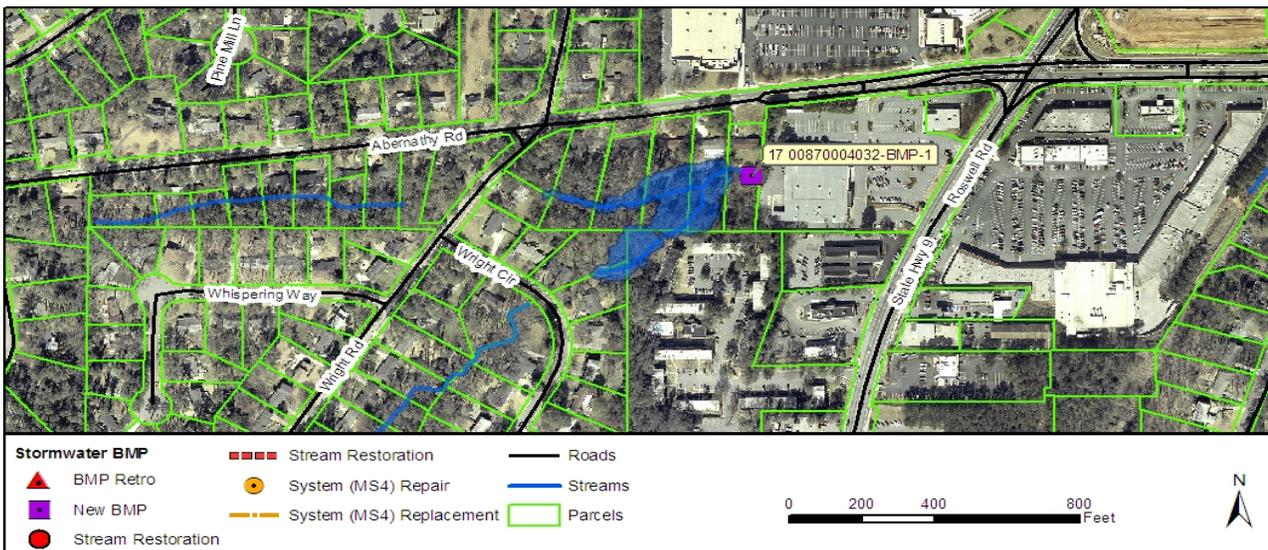


Figure 1 Plan View of Project with Aerial Photography

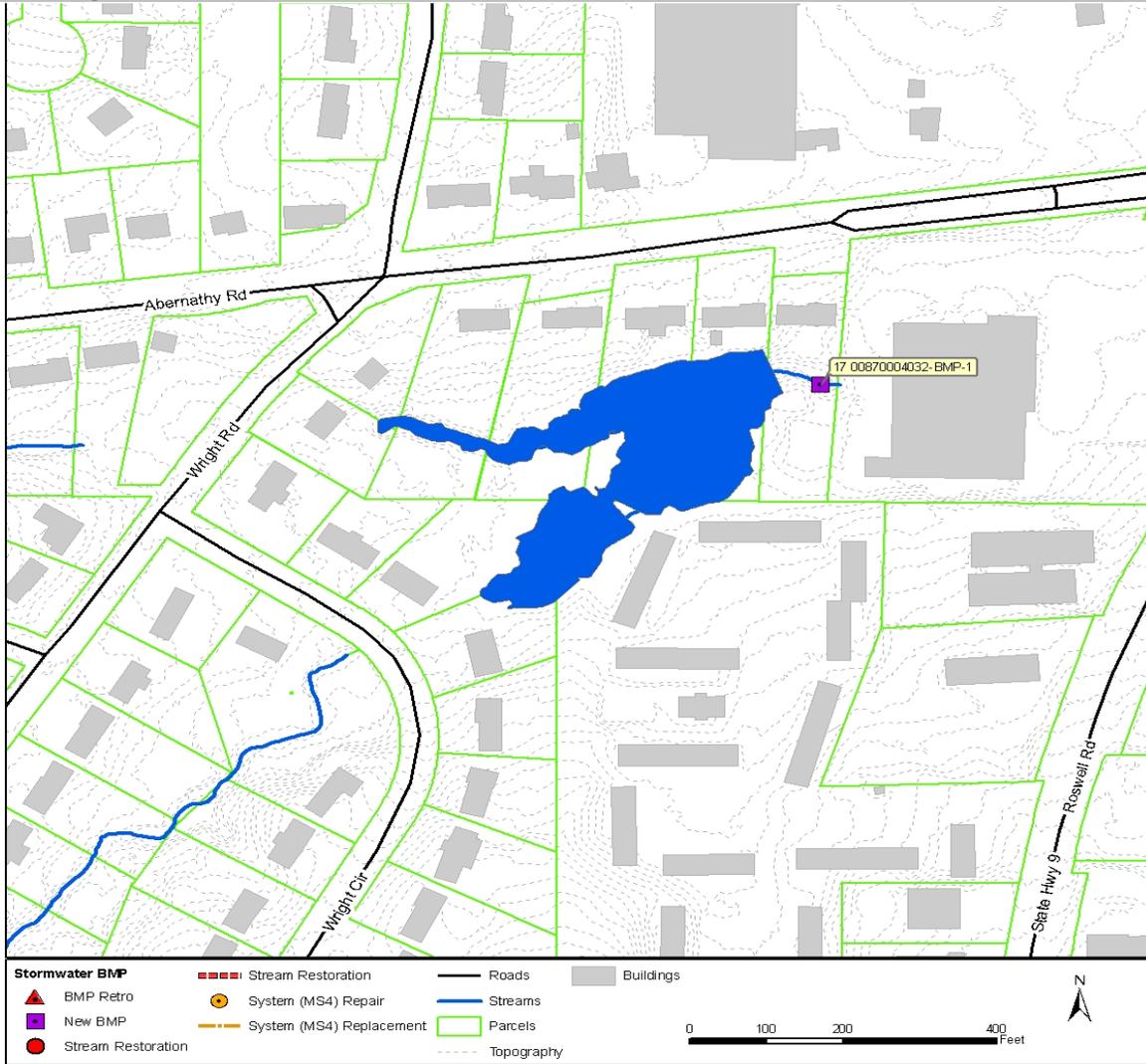


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3	TSS Yield:	2,085	lb/ac/yr
Asset Ownership:	0: N/A	Existing Volume:	564,251	ft ³
Parcel Ownership:	Private	Potential Volume:	564,251	ft ³
Land Use:	Commercial; Residential - 1/2 acre lot size	WQ Volume:	478,654	ft ³
		CP Volume:	1,286,636	ft ³
		25-Year Volume:	1,566,301	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y	Stream Order:	2	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	219.9 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	35.4	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	21.1	
Flood Width Over Road:	N/A ft	Change in Risk:	14.3	
Structure Type:	N/A	Benefit/Cost:	1.79	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00880002007-BMP-1

Asset Number: AGM_17821

Benefit/Cost: 4.57
Estimated Cost: \$1,405,000

Address: 102 Johnson Ferry Rd
Study Area: Marsh Creek
Proposed Project Type: Wet Pond

Project Description

Build a new wet pond. The new BMP is located in a Residential - 1/2 acre lot size, Commercial and Open Space area near Johnson Ferry Rd. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24320175. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

Design a wet pond that provides full water quality and a portion of the channel protection benefits.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

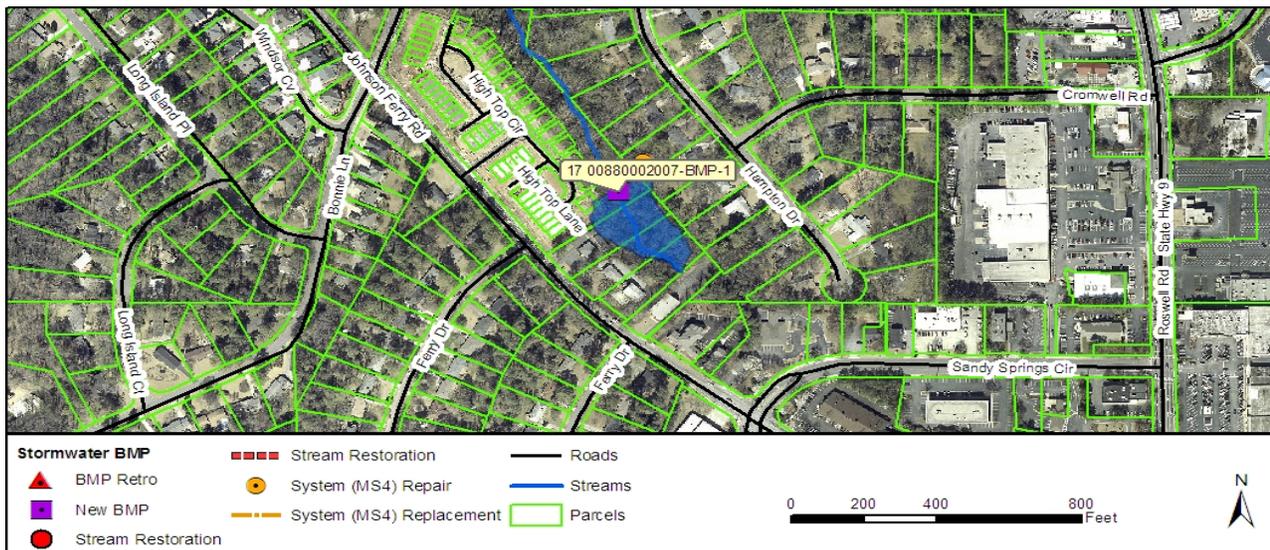


Figure 1 Plan View of Project with Aerial Photography



Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3	TSS Yield:	1,753	lb/ac/yr
Asset Ownership:	9: To Be Determined	Existing Volume:	388,253	ft ³
Parcel Ownership:	Private	Potential Volume:	388,253	ft ³
Land Use:	Commercial; Open Space	WQ Volume:	111,184	ft ³
	Good, Residential - 1/2 acre lot size	CP Volume:	317,889	ft ³
		25-Year Volume:	410,337	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	N	Stream Order:	1	
Drainage Area:	35.6 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	36.3	
Flood Width Over Road:	N/A ft	Proposed Risk:	4.3	
Structure Type:	N/A	Change in Risk:	32.0	
Pipe Size:	N/A ft	Benefit/Cost:	4.57	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation Sandy Springs Watershed Improvement Plan

Project ID: 17 01260001074-BMP-1

Asset Number: AGM_15241

Benefit/Cost: 3.74
Estimated Cost: \$375,000

Address: 0 River Springs Ct
Study Area: Marsh Creek
Proposed Project Type: Wet Pond Extended Detention

Project Description

Build a new wet pond extended detention. The new BMP is located in a Residential - 1/2 acre lot size area near River Springs Ct. In a wet extended detention pond, the water quality volume is split evenly between the permanent pool and extended detention storage provided above the permanent pool. During storm events, water is detained above the permanent pool and released over 24 hours. Temporary storage may also be provided above the water quality elevation for channel protection and for larger storm events.

Project Goals

Design a wet extended detention pond that provides full water quality and a portion of the channel protection benefits.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

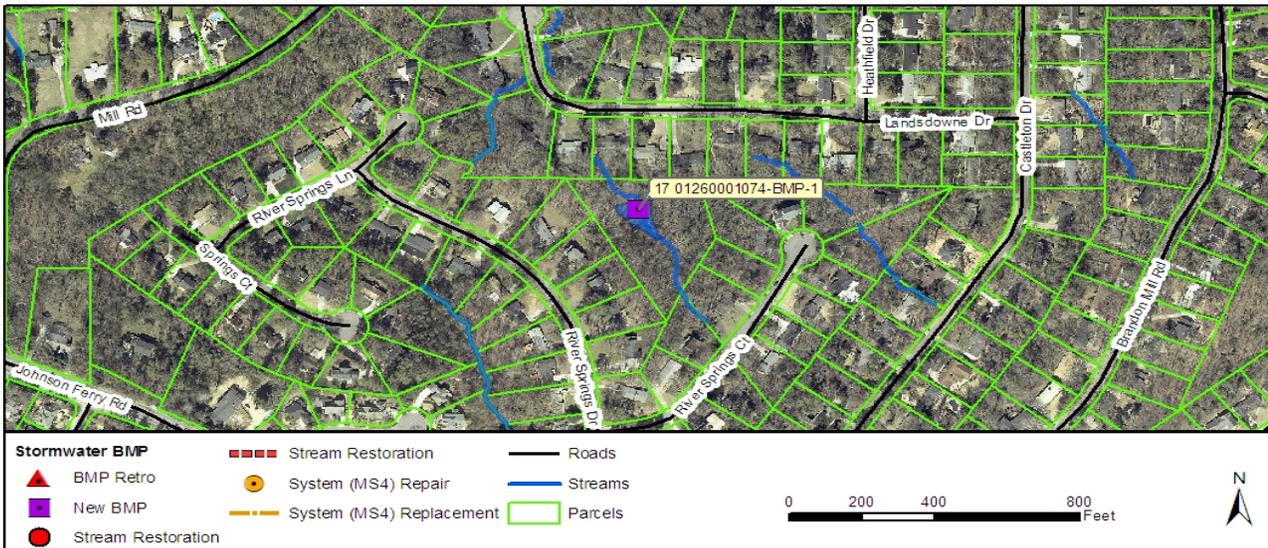


Figure 1 Plan View of Project with Aerial Photography



Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3	TSS Yield:	136	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach	Existing Volume:	72,370	ft ³
Parcel Ownership:	Private	Potential Volume:	72,370	ft ³
Land Use:	Residential - 1/2 acre lot size	WQ Volume:	30,466	ft ³
		CP Volume:	76,072	ft ³
		25-Year Volume:	84,784	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y	Stream Order:	Offline	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	19.1 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	21.9	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	6.9	
Flood Width Over Road:	N/A ft	Change in Risk:	15.0	
Structure Type:	N/A	Benefit/Cost:	3.74	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 17 0133 LL091-BMP-1

Asset Number: AGM_09788

Benefit/Cost: 2.10
Estimated Cost: \$1,310,000

Address: 5995 Riverside Dr Nw
Study Area: Long Island Creek
Proposed Project Type: Dry Extended Detention

Project Description

Build a new dry extended detention basin. The new BMP is located in a Residential - 2 acre lot size and Residential - 1 acre lot size area near Riverside Dr Nw. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24220101. In a dry extended detention basin, the channel protection volume is stored and released over 24 hours. Temporary storage may also be provided for larger storm events.

Project Goals

Design a dry extended detention basin to achieve a portion of the channel protection benefits.

Photos and Maps

Photo 1



Photo 2



Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0133 LL091-BMP-1
 Asset Number: AGM_09788

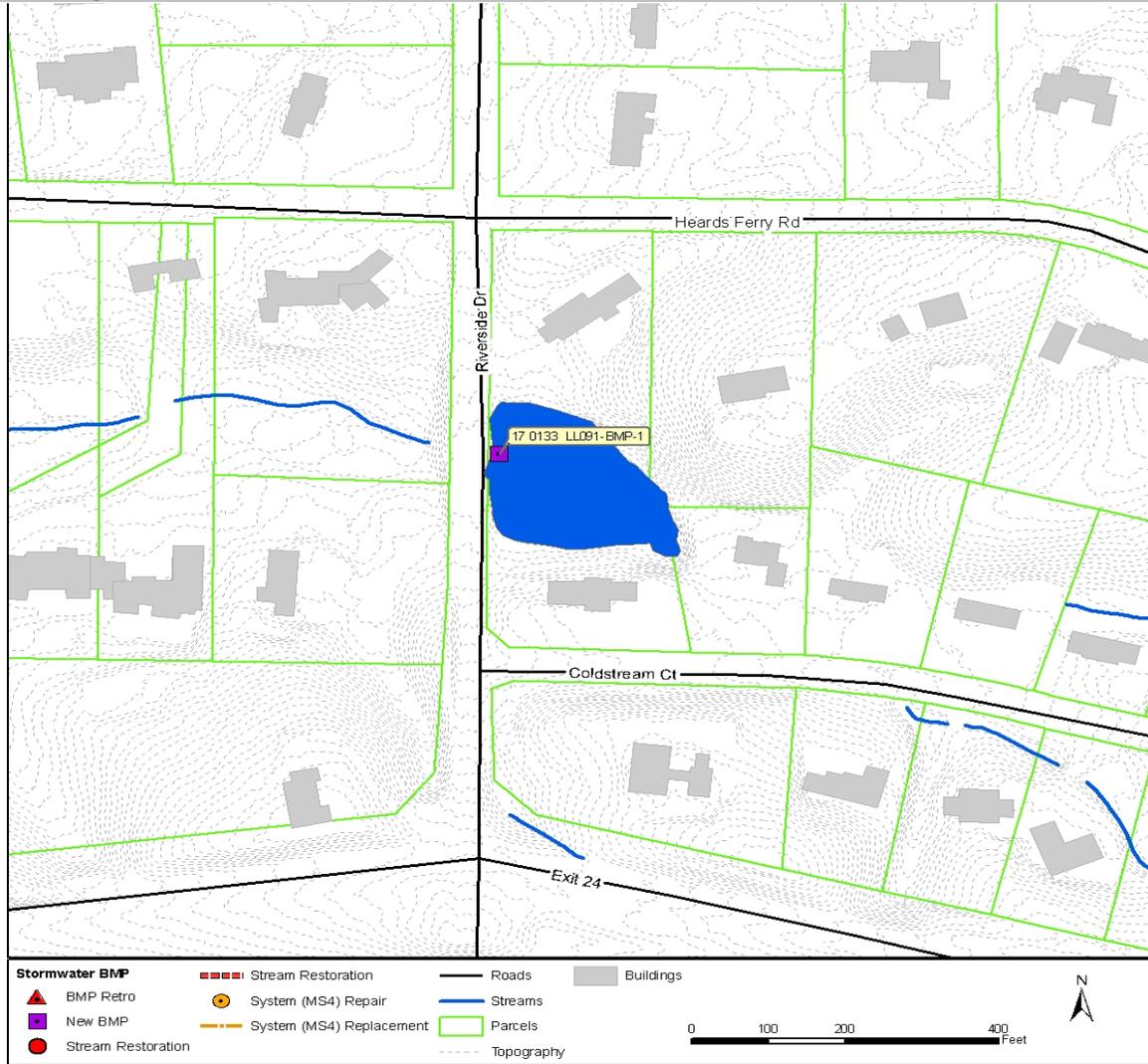


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3	TSS Yield:	620	lb/ac/yr
Asset Ownership:	5: SF Residential-Attach	Existing Volume:	354,715	ft ³
Parcel Ownership:	Private	Potential Volume:	354,715	ft ³
Land Use:	Residential - 2 acre lot size; Residential - 1 acre lot size	WQ Volume:	94,596	ft ³
		CP Volume:	362,979	ft ³
		25-Year Volume:	377,344	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	2	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	90.1 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X, X500	Existing Risk:	18.7	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	4.0	
Flood Width Over Road:	N/A ft	Change in Risk:	14.7	
Structure Type:	N/A	Benefit/Cost:	2.10	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 17 0166 LL043-BMP-1

Asset Number: AGM_11359

Benefit/Cost: 1.61
Estimated Cost: \$2,804,000

Address: 5845 Heards Rd Nw
Study Area: Long Island Creek
Proposed Project Type: Wet Pond

Project Description

Build a new wet pond. The new BMP is located in a Residential - 2 acre lot size, Residential - 1 acre lot size and Street ROW area near Heards Rd Nw. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24220325. In a wet pond, the permanent pool of water is equal to the water quality volume. Temporary storage may also be provided above the permanent pool elevation for channel protection and for larger storm events.

Project Goals

Design a wet pond that provides full water quality and channel protection benefits.

Photos and Maps

Photo 1



Photo 2

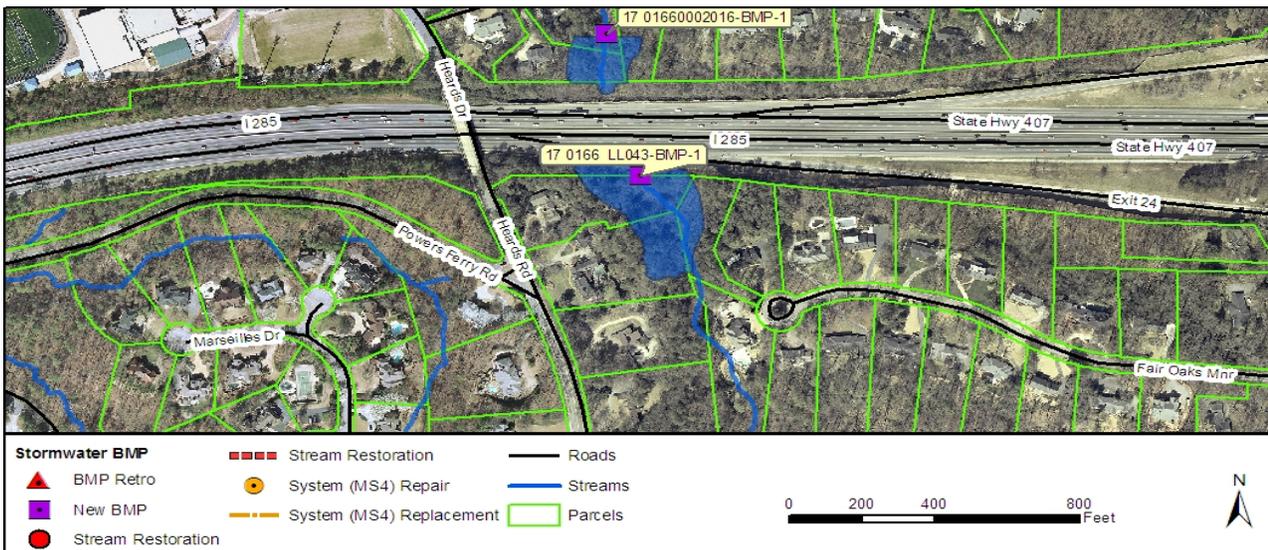


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0166 LL043-BMP-1
 Asset Number: AGM_11359

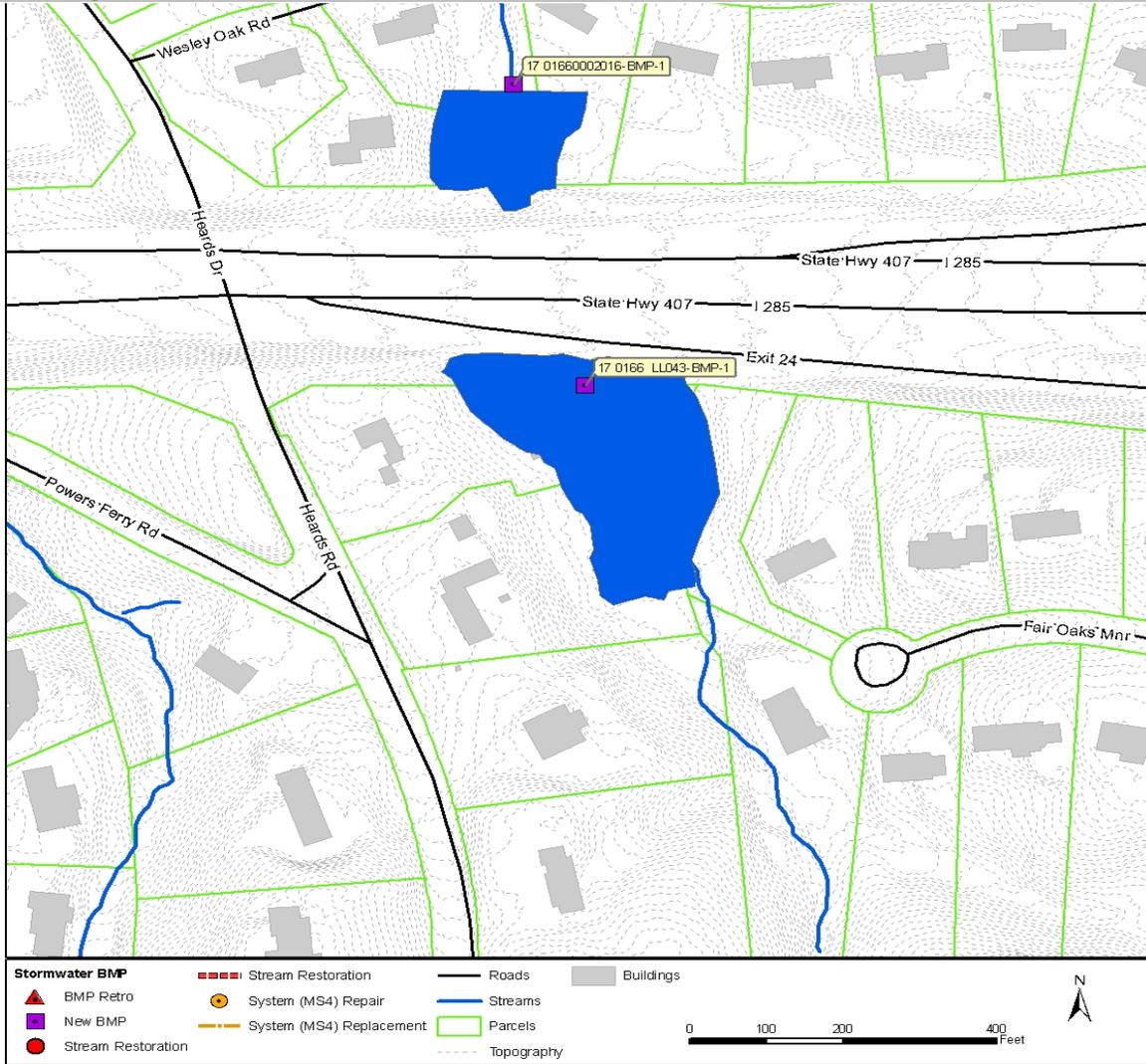


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6	TSS Yield:	686	lb/ac/yr
Asset Ownership:	3: State	Existing Volume:	835,203	ft ³
Parcel Ownership:	Private, Federal	Potential Volume:	835,203	ft ³
Land Use:	Residential - 2 acre lot size;	WQ Volume:	67,570	ft ³
	Residential - 1 acre lot size;	CP Volume:	280,878	ft ³
	Streets -	25-Year Volume:	276,247	ft ³
	Open/Ditch/Includes ROW	Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	N	Stream Order:	2	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	80.3 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	18.2	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	2.1	
Flood Width Over Road:	N/A ft	Change in Risk:	16.1	
Structure Type:	N/A	Benefit/Cost:	1.61	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 01660002016-BMP-1

Asset Number: AGM_11305

Benefit/Cost: 1.87
Estimated Cost: \$618,000

Address: 810 Wesley Oak Rd Nw
Study Area: Long Island Creek
Proposed Project Type: Dry Extended Detention

Project Description

Build a new dry extended detention basin. The new BMP is located in a Residential - 2 acre lot size, Residential - 1 acre lot size and Street ROW area near Wesley Oak Rd Nw. This BMP is online and may therefore present a permitting difficulty. In a dry extended detention basin, the channel protection volume is stored and released over 24 hours. Temporary storage may also be provided for larger storm events.

Project Goals

Design a dry extended detention basin to achieve full channel protection benefits.

Photos and Maps

Photo 1

Photo 2

No photo available

No photo available

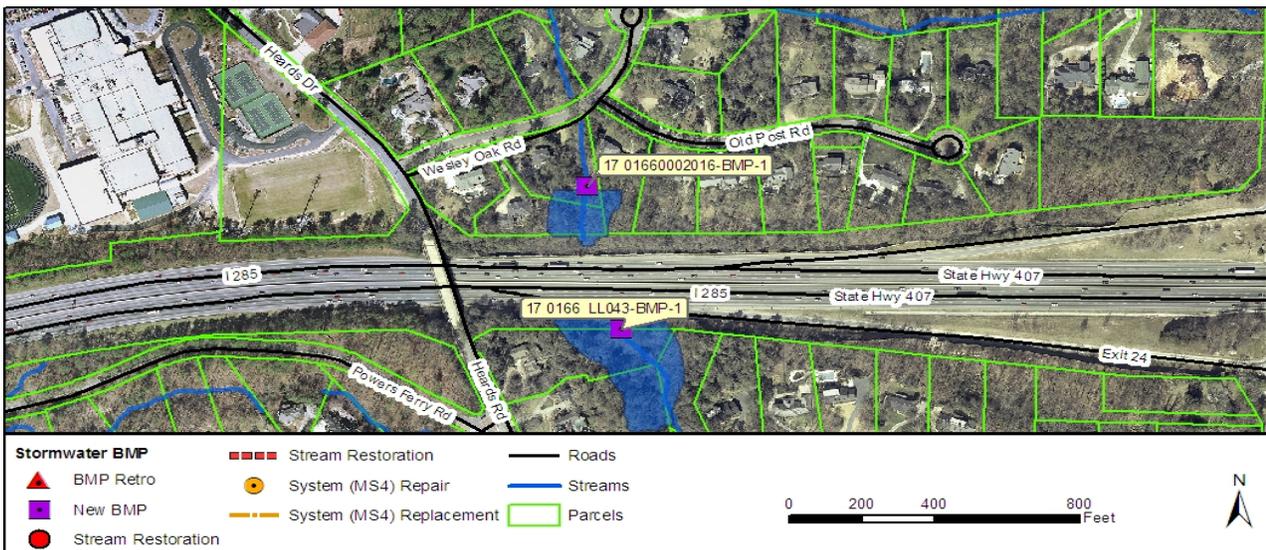


Figure 1 Plan View of Project with Aerial Photography

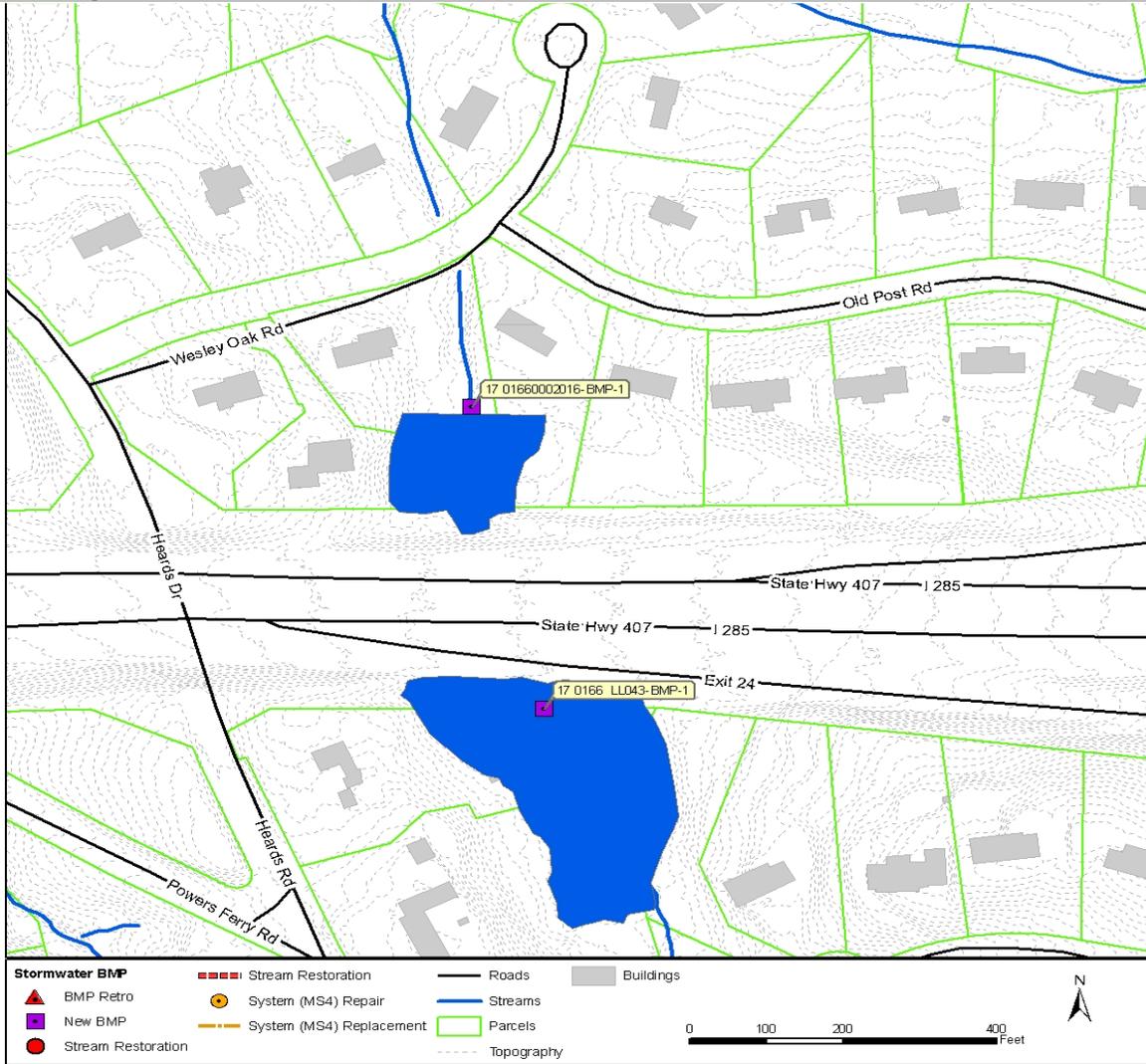


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3	TSS Yield:	783	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached	Existing Volume:	80,000	ft ³
Parcel Ownership:	Private, Federal	Potential Volume:	80,000	ft ³
Land Use:	Residential - 2 acre lot size; Residential - 1 acre lot size; Streets - Open/Ditch/Includes ROW	WQ Volume:	73,694	ft ³
TMDL Stream(FecalColiform):	N	CP Volume:	302,571	ft ³
TMDL Stream (Biota):	N	25-Year Volume:	304,223	ft ³
Drainage Area:	83.1 acres	Stream Project Length:	N/A	ft
FEMA Flood Hazard Zone:	X, X500	Stream Order:	2	
Max Flood Depth Over Road:	N/A ft	Bank Stability (% exposed):	N/A	N/A
Flood Width Over Road:	N/A ft	Bank Height:	N/A	N/A
Structure Type:	N/A	Existing Risk:	18.2	
Pipe Size:	N/A ft	Proposed Risk:	8.9	
Structure/Pipe Age:	N/A	Change in Risk:	9.4	
Structure/Pipe Conditions:	N/A	Benefit/Cost:	1.87	

Project Description & Evaluation Sandy Springs Watershed Improvement Plan

Project ID: GA400Aberntathy-BMP-1

Asset Number: AGM_05925

Benefit/Cost: 2.81
Estimated Cost: \$8,620,000

Address: Turner McDonald Pky
Study Area: Marsh Creek
Proposed Project Type: Dry Extended Detention

Project Description

Build a new dry extended detention basin. The new BMP is located in a Streets ROW area near Turner McDonald Parkway and Abernathy Rd. This BMP is online and may therefore present a permitting difficulty. In a dry extended detention basin, the channel protection volume is stored and released over 24 hours. Temporary storage may also be provided for larger storm events.

Project Goals

Design a dry extended detention basin to achieve full channel protection benefits.

Photos and Maps

Photo 1



Photo 2

No photo available

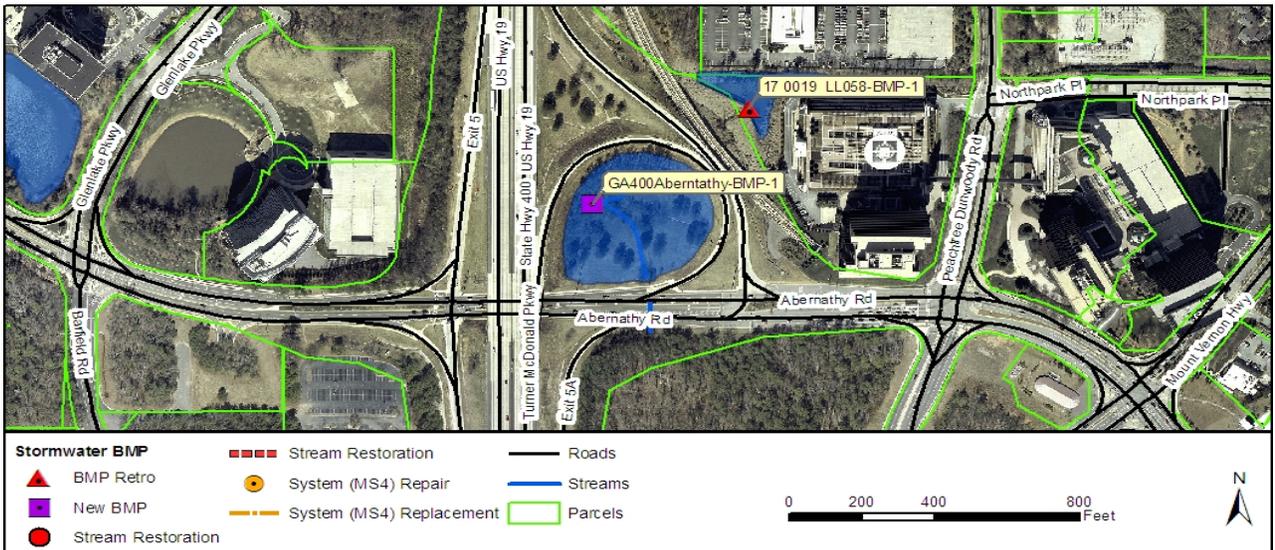


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: GA400Aberntathy-BMP-1
 Asset Number: AGM_05925

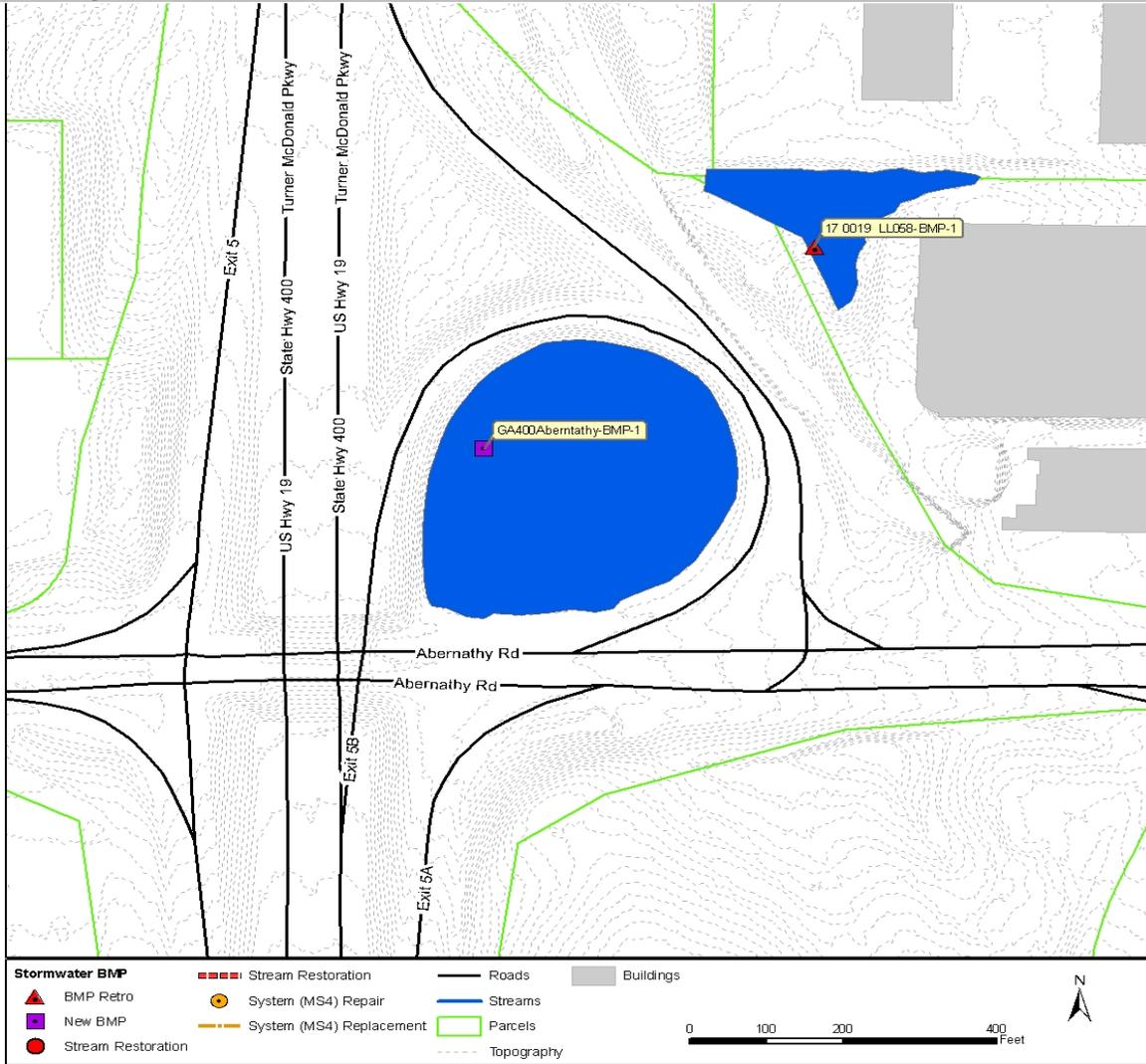


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 4	TSS Yield:	1,101	lb/ac/yr
Asset Ownership:	3: State	Existing Volume:	2,750,912	ft ³
Parcel Ownership:	State	Potential Volume:	2,750,912	ft ³
Land Use:	Streets - Open/Ditch/Includes ROW	WQ Volume:	437,538	ft ³
		CP Volume:	1,760,806	ft ³
		25-Year Volume:	2,205,532	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	N	Stream Order:	2	
Drainage Area:	242.7 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	A, X	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	34.5	
Flood Width Over Road:	N/A ft	Proposed Risk:	6.4	
Structure Type:	N/A	Change in Risk:	28.1	
Pipe Size:	N/A ft	Benefit/Cost:	2.81	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation Sandy Springs Watershed Improvement Plan

Project ID: GA400Spalding-BMP-1

Asset Number: AGM_26587

Benefit/Cost: 3.82
Estimated Cost: \$267,000

Address: Talbot Colony
Study Area: Marsh Creek
Proposed Project Type: Micropool Extended Detention

Project Description

Build a new micropool extended detention. The new BMP is located in a Residential - 1/3 acre lot size and Street ROW area near Talbot Colony. This project was included in the previous CIP as SS-BMP-24330211. In a micropool extended detention pond, only a small volume of water is maintained at the outlet from the pond. The outlet structure is sized to detain the water quality volume for 24 hours. Temporary storage may also be provided for channel protection and for larger storm events.

Project Goals

Design a micropool with extended detention that provides full water quality and a portion of the channel protection benefits.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available



Figure 1 Plan View of Project with Aerial Photography

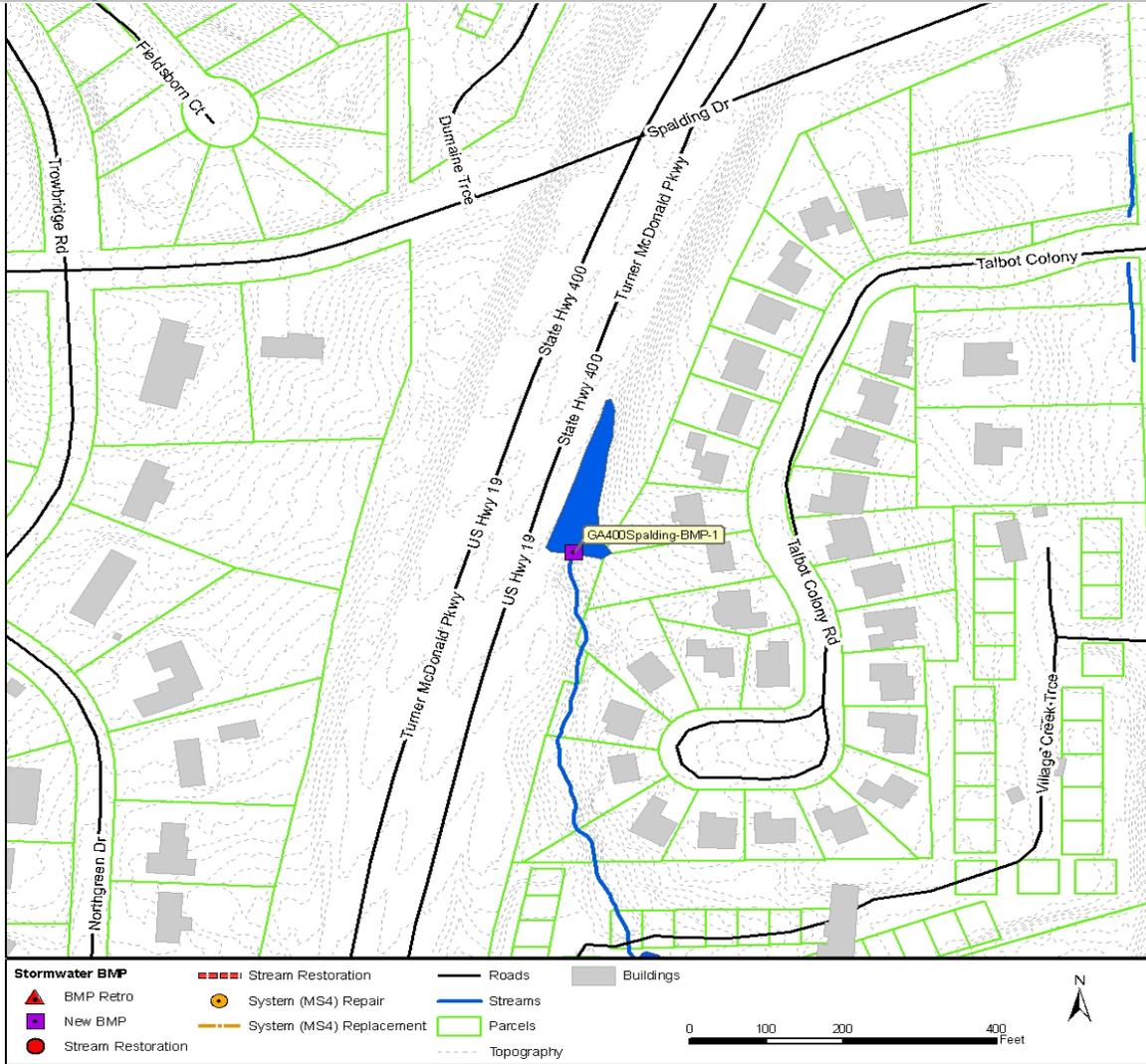


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 4	TSS Yield:	566	lb/ac/yr
Asset Ownership:	3: State	Existing Volume:	35,643	ft ³
Parcel Ownership:	Private, Federal	Potential Volume:	35,643	ft ³
Land Use:	Residential - 1/3 acre lot size; Streets - Open/Ditch/Includes ROW	WQ Volume:	17,078	ft ³
		CP Volume:	71,975	ft ³
		25-Year Volume:	94,654	ft ³
		Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y	Stream Order:	Offline	
TMDL Stream (Biota):	N	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	8.4 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	24.0	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	8.7	
Flood Width Over Road:	N/A ft	Change in Risk:	15.3	
Structure Type:	N/A	Benefit/Cost:	3.82	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			