APPENDIX D: PROJECT SHEETS

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Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0069 LL062-BMP-1**
Asset Number: **AGM_02804**

Benefit/Cost:	4.50	Address:	5470 Glenridge Drive
Estimated Cost:	$536,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond Extended Detention

Project Description

Retrofit existing dry pond into a wet extended detention pond. The existing BMP is located on a Commercial area near Roswell Rd Rear. 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

This proposed retrofit will achieve full water quality and a portion of the channel protection benefits by converting it to a wet extended detention pond and redesigning the control structure. Modifications include increasing the dam height to increase capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

Photo 2

No photo available

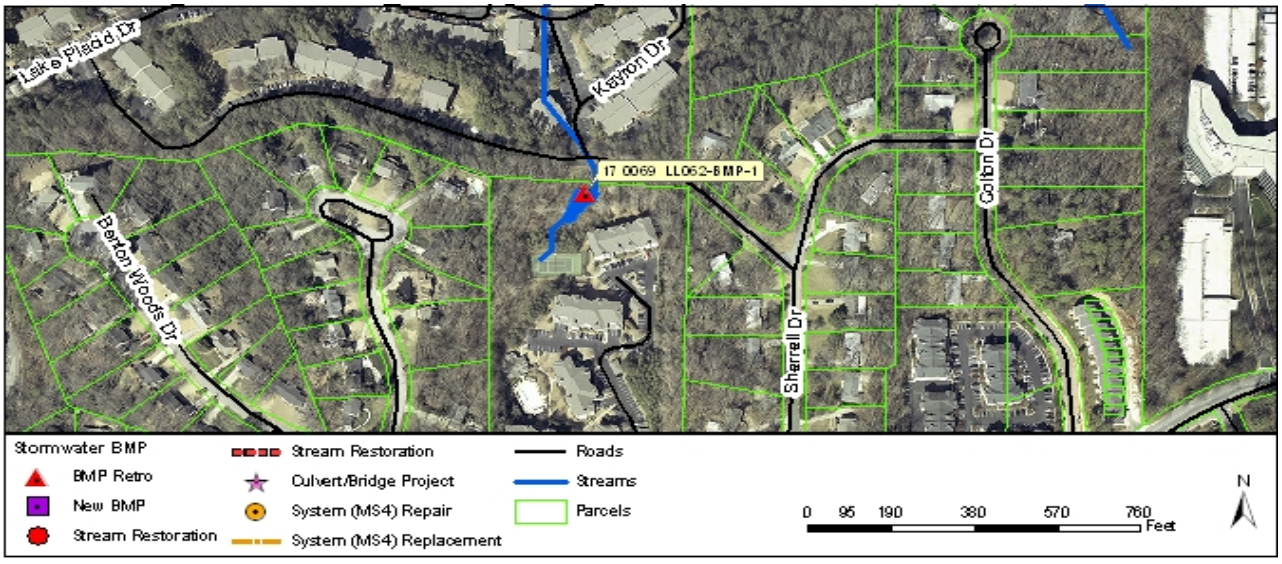

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0069 LL062-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_02804**

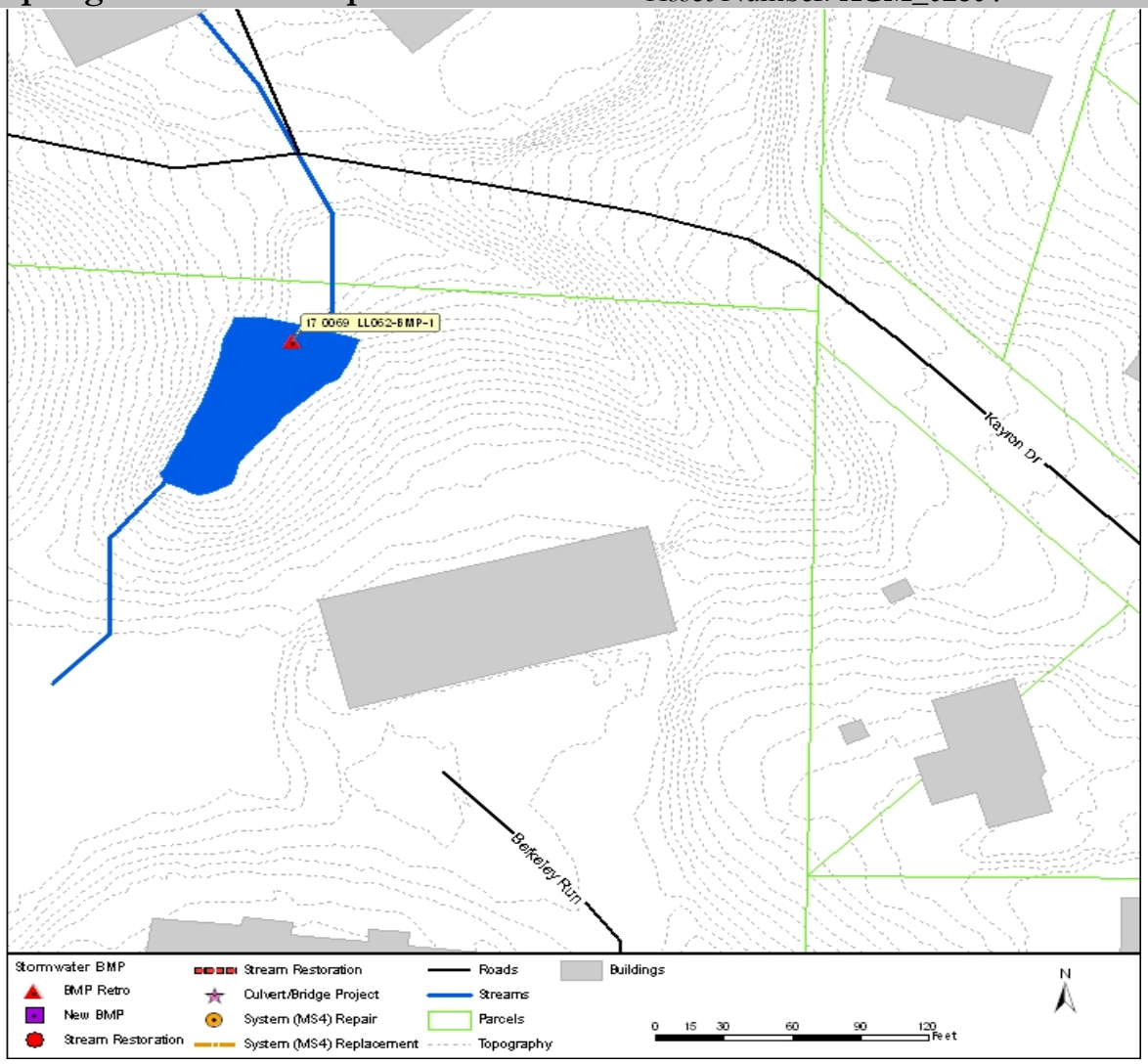

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	467	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	44,308	ft^3
Parcel Ownership:	Private		Potential Volume:	88,616	ft^3
Land Use:	Commercial		WQ Volume:	69,689	ft^3
			CP Volume:	293,431	ft^3
			25-Year Volume:	376,184	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	39.6	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	37	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	15	
Flood Width Over Road:	N/A	ft	Change in Risk:	22	
Structure Type:	N/A		**Benefit/Cost:**	4.50	
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: **17 0069 LL062-BMP-2**
Asset Number: **AGM_11433**

Benefit/Cost:	1.05	Address:	5641 Roswell Rd Rear
Estimated Cost:	$2,858,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Commercial area near Roswell Rd Rear. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24320306. 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

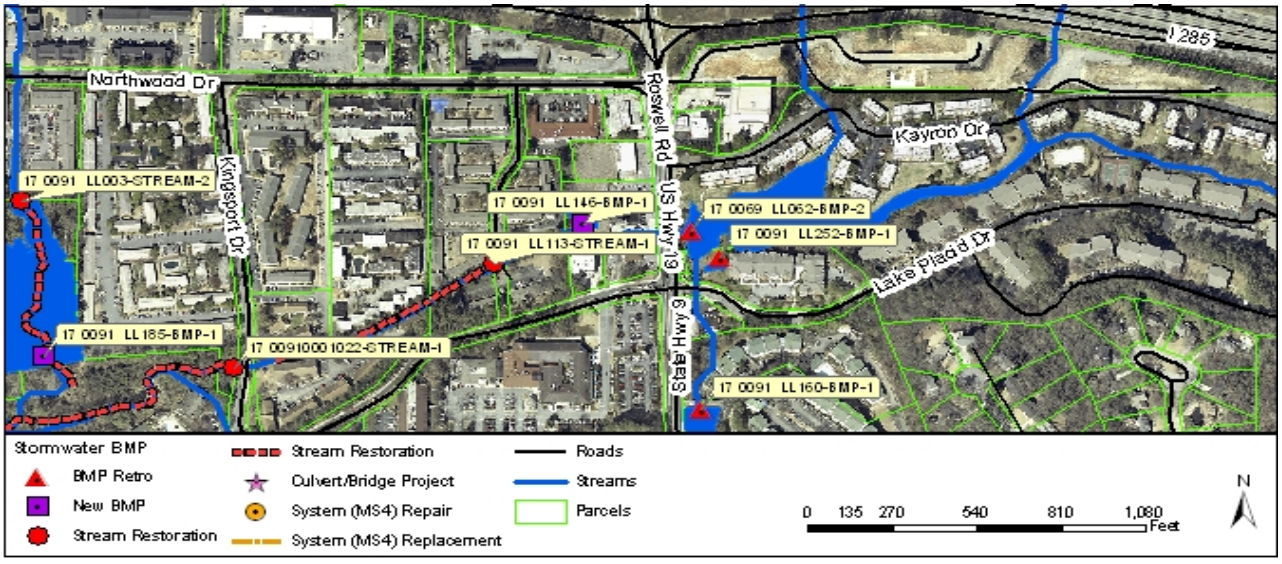

Figure 1 Plan View of Project with Aerial Photography

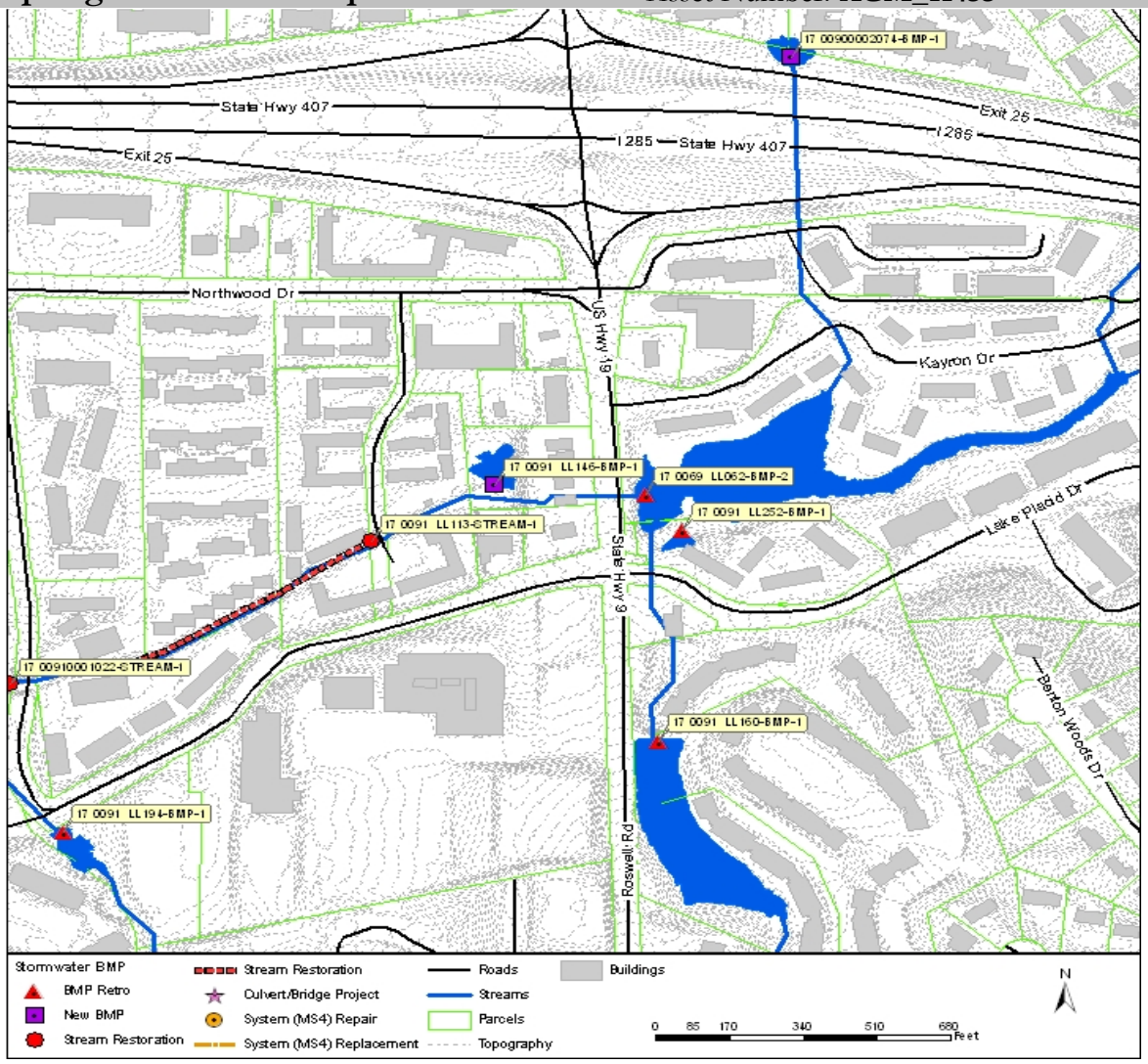

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5, District 6		TSS Yield:	719	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	1,093,091	ft^3
Parcel Ownership:	Private		Potential Volume:	1,518,320	ft^3
Land Use:	Commercial; Water		WQ Volume:	1,399,243	ft^3
			CP Volume:	4,857,148	ft^3
			25-Year Volume:	5,926,700	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	3	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	772.7	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500		Existing Risk:	36	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	26	
Flood Width Over Road:	N/A	ft	Change in Risk:	10	
Structure Type:	N/A		**Benefit/Cost:**	1.05	
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 0070 LL059-STREAM-1**
Asset Number: **AGM_03871, AGM_04017**

Benefit/Cost:	5.62	Address:	300 Carpenter Dr
Estimated Cost:	$531,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

A level 2 stream restoration is proposed along approximately 500 feet of stream where the stream is incising and widening. Both banks are very steep. The stream can be moved toward left bank as it is encroaching on properties along the right bank. 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.

Photos and Maps

Photo 1

Photo 2

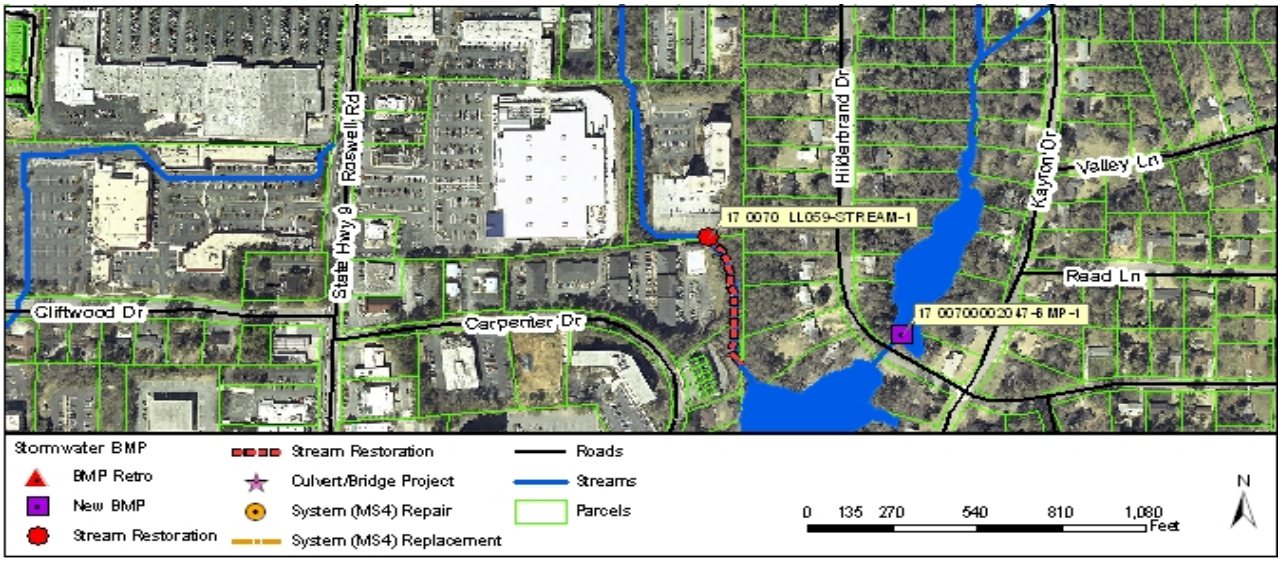

Figure 1 Plan View of Project with Aerial Photography

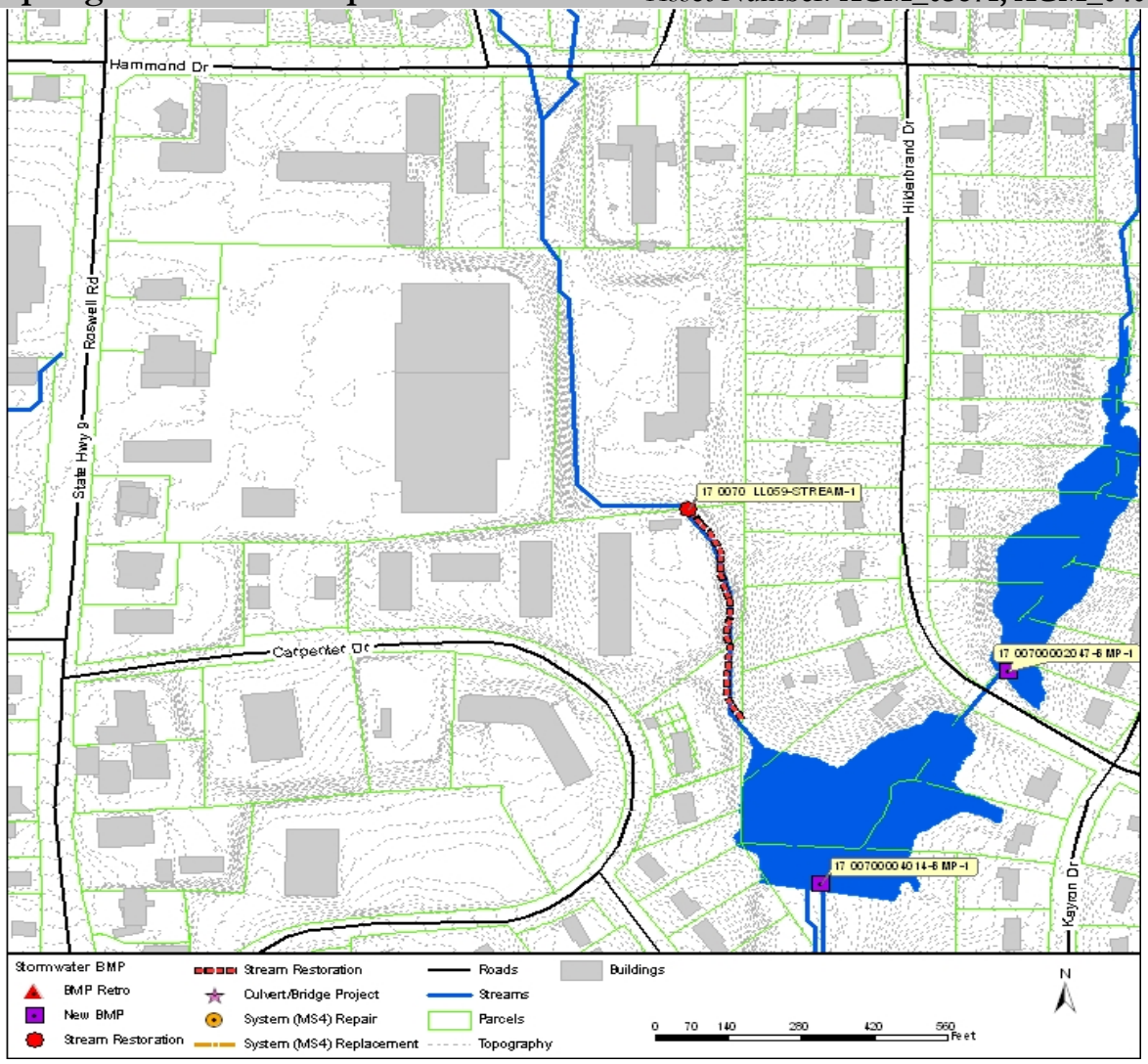

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	806	lb/ac/yr
Asset Ownership:	Not Applicable		Existing Volume:	N/A	ft^3
Parcel Ownership:	Private		Potential Volume:	N/A	ft^3
Land Use:	Commercial		WQ Volume:	N/A	ft^3
			CP Volume:	N/A	ft^3
			25-Year Volume:	N/A	ft^3
			Stream Project Length:	494	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	50-75% RB
Drainage Area:	96.7	acres	Bank Height:	4ft LB	7ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	37	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	9	
Flood Width Over Road:	N/A	ft	Change in Risk:	28	
Structure Type:	N/A		**Benefit/Cost:**	5.62	
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 0090 LL087-BMP-1**
Asset Number: **AGM_10633**

Benefit/Cost:	0.57	Address:	0 Reddington Pl
Estimated Cost:	$306,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Commercial area near Reddington Pl. This BMP is online and may therefore present a permitting difficulty. In a micro pool 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 greater water quality benefits by converting it into a micropool extended detention pond and redesigning the control structure. 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 Project ID: **17 0090 LL087-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_10633**

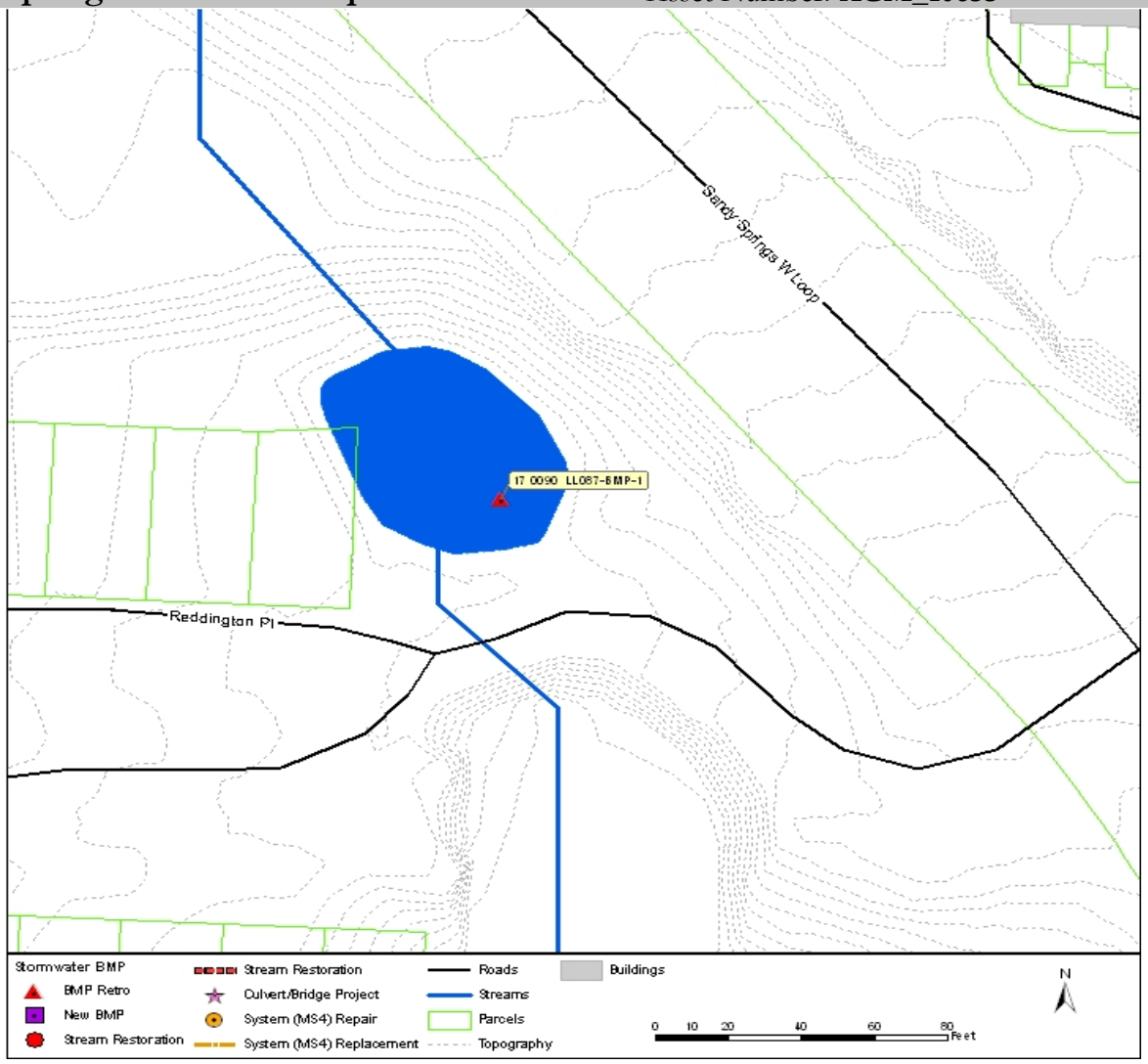

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3		TSS Yield:	724	lb/ac/yr
Asset Ownership:	9: To Be Determined		Existing Volume:	9,819	ft^3
Parcel Ownership:	Private		Potential Volume:	9,819	ft^3
Land Use:	Commercial		WQ Volume:	114,867	ft^3
			CP Volume:	387,163	ft^3
			25-Year Volume:	505,219	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	40.0	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	39	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	37	
Flood Width Over Road:	N/A	ft	Change in Risk:	2	
Structure Type:	N/A		**Benefit/Cost:**	0.57	
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 0091 LL003-STREAM-2**
Asset Number: **N/A, AGM_11670**

Benefit/Cost:	3.79	Address:	5655 Lake Forrest Dr
Estimated Cost:	$782,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 3 stream restoration is proposed along approximately 800 foot reach with high erosion scores on both banks. Buffer is present but banks are high and very steep. A Level 3 approach includes restoring the degraded channel to a stable condition at existing grade and providing a floodprone area within the channel. 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 and decrease suspended sediment load to 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.

Photos and Maps

Photo 1

Photo 2

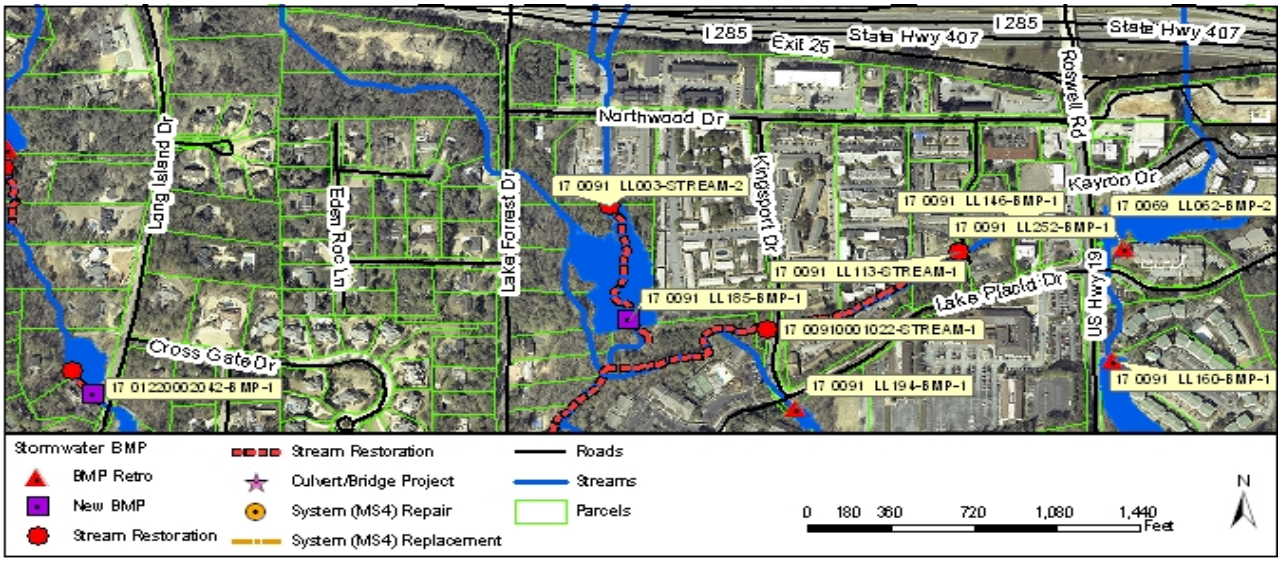

Figure 1 Plan View of Project with Aerial Photography

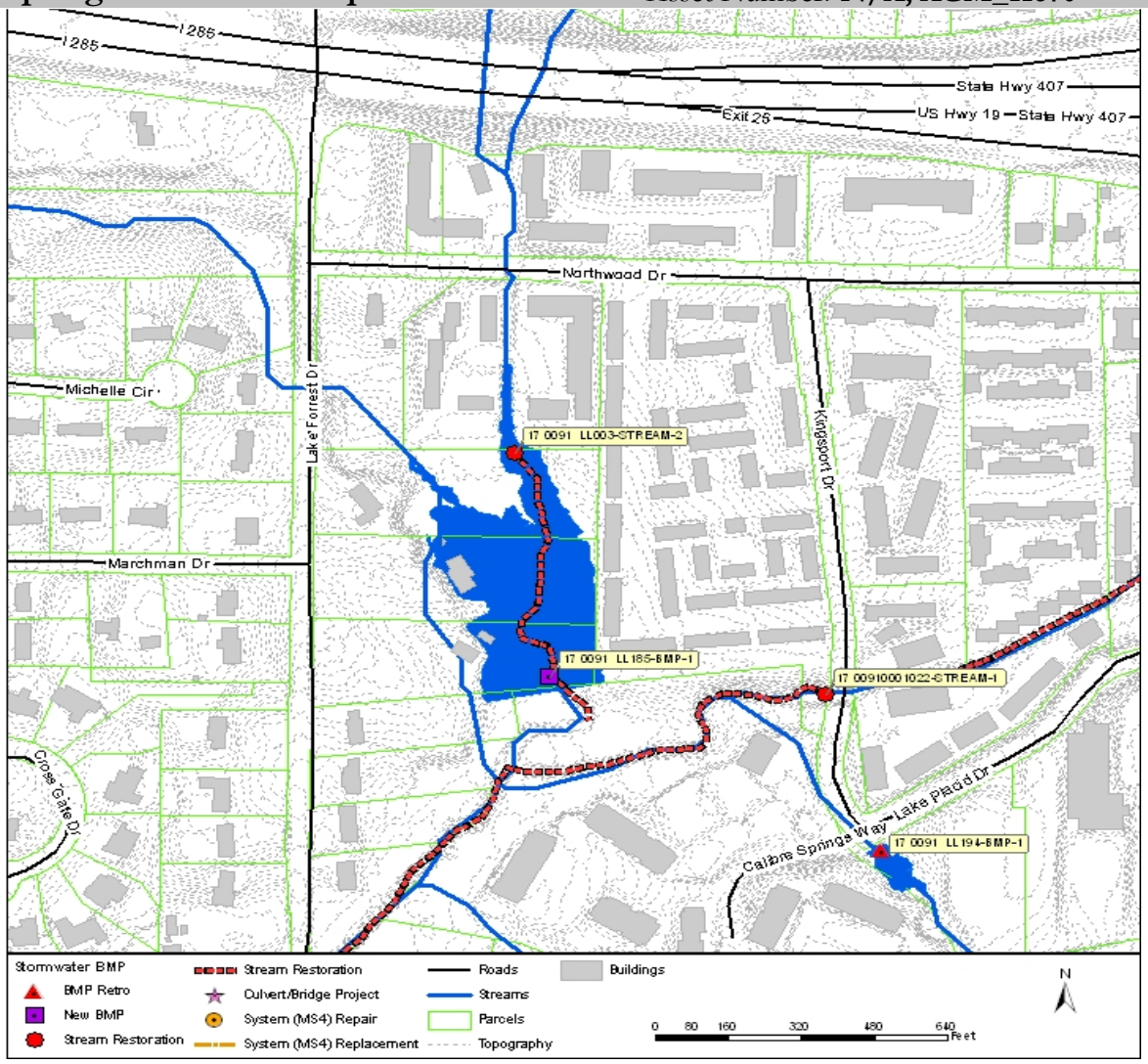

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	828	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;		WQ Volume:	N/A	ft^3
	Woods - Grass Combination		CP Volume:	N/A	ft^3
	Fair		25-Year Volume:	N/A	ft^3
			Stream Project Length:	789	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	50-75% LB	75-100% RB
Drainage Area:	307.9 acres		Bank Height:	5.5ft LB	2.5ft RB
FEMA Flood Hazard Zone:	AE, X500		Existing Risk:	35	
Max Flood Depth Over Road:	N/A ft		Proposed Risk:	12	
Flood Width Over Road:	N/A ft		Change in Risk:	23	
Structure Type:	N/A		**Benefit/Cost:**	3.79	
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 0091 LL113-STREAM-1**
Asset Number: **AGM_11737, AGM_11735**

Benefit/Cost:	2.53	Address:	0 Northwood Dr
Estimated Cost:	$824,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 3 stream restoration is proposed along approximatley a 800 foot reach where the stream has incised and widened. No buffers are available and the stream is encroaching on properties on both banks. Bank slopes are very steep. High erosion scores were noted along the entire reach. A Level 3 approach includes restoring the degraded channel to a stable condition at existing grade and providing a floodprone area within the channel. 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.

Photos and Maps

Photo 1

Photo 2

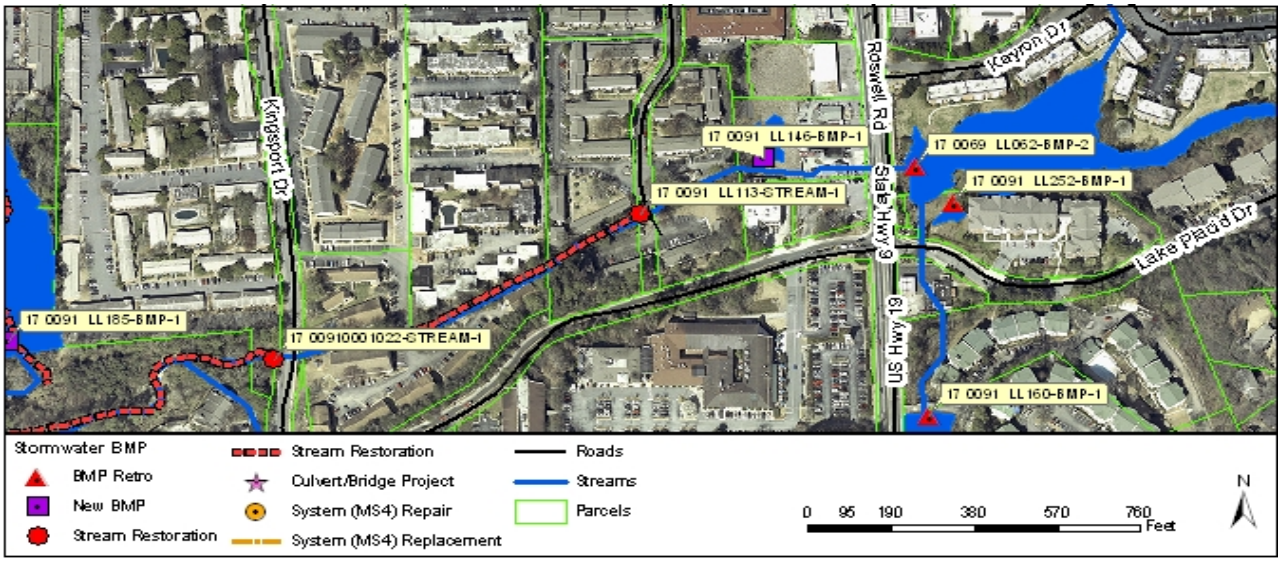

Figure 1 Plan View of Project with Aerial Photography

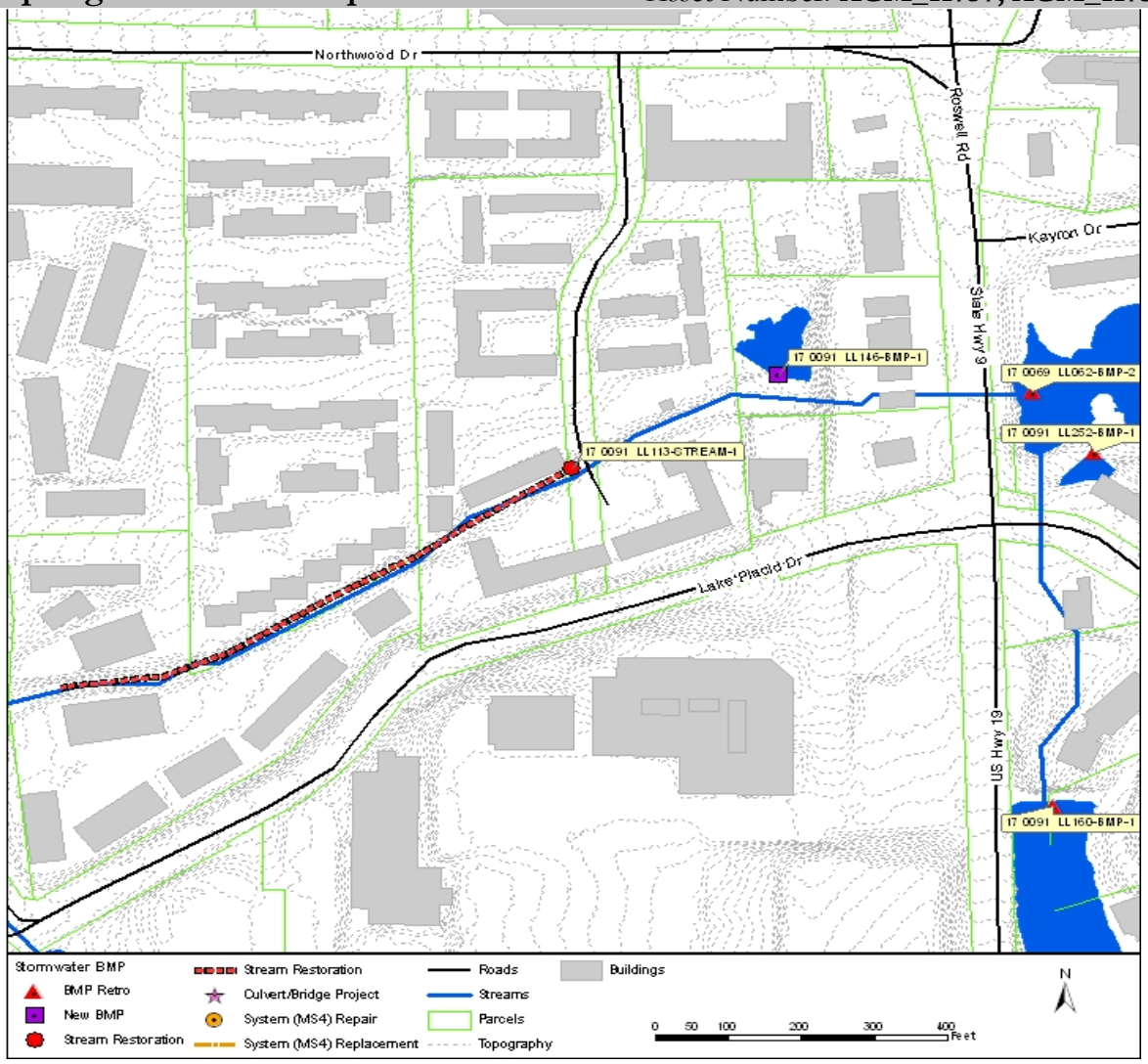

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	728	lb/ac/yr
Asset Ownership:	Not Applicable		Existing Volume:	N/A	ft^3
Parcel Ownership:	Private		Potential Volume:	N/A	ft^3
Land Use:	Commercial		WQ Volume:	N/A	ft^3
			CP Volume:	N/A	ft^3
			25-Year Volume:	N/A	ft^3
			Stream Project Length:	795	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	3	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	25-50% LB	0-25% RB
Drainage Area:	805.9	acres	Bank Height:	2ft LB	2ft RB
FEMA Flood Hazard Zone:	AE-FLOODWAY		Existing Risk:	23	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	8	
Flood Width Over Road:	N/A	ft	Change in Risk:	15	
Structure Type:	N/A		**Benefit/Cost:**	2.53	
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: **17 0091 LL146-BMP-1**
Asset Number: **AGM_11877**

Benefit/Cost:	1.87	Address:	5680 Roswell Rd
Estimated Cost:	$250,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Build a new micropool extended detention pond. The new BMP is located on a Commercial area near Roswell Rd. This project was included in the previous CIP as SS-BMP-24320313. 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. Closest Asset number chosen.

Project Goals

Design a micropool with extended detention that provides water quality benefits.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

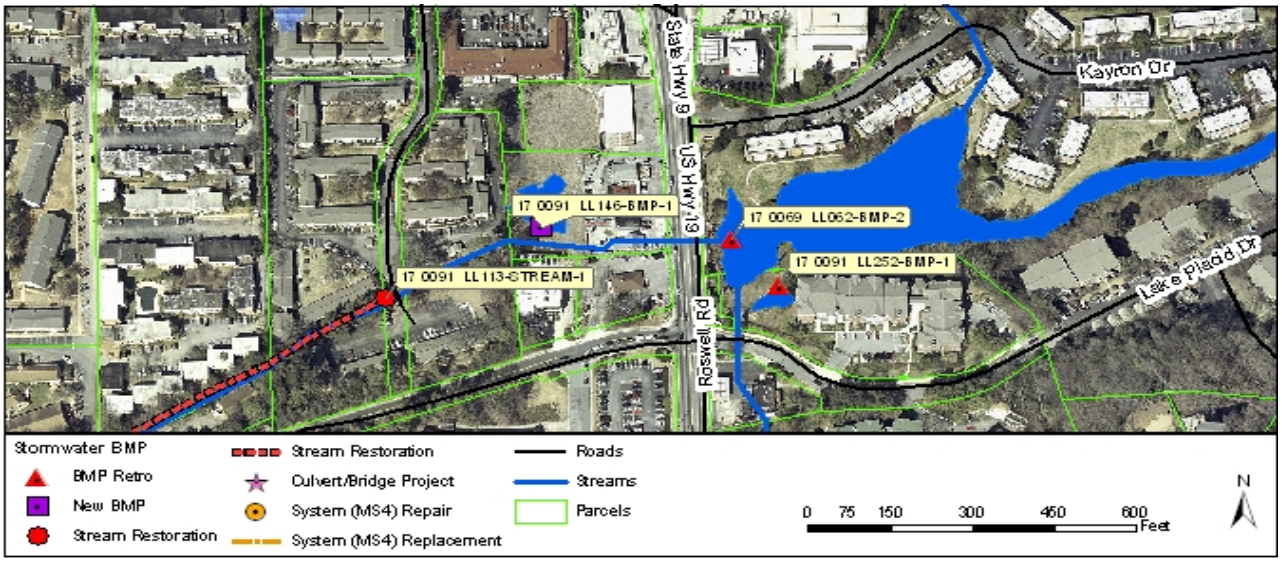

Figure 1 Plan View of Project with Aerial Photography

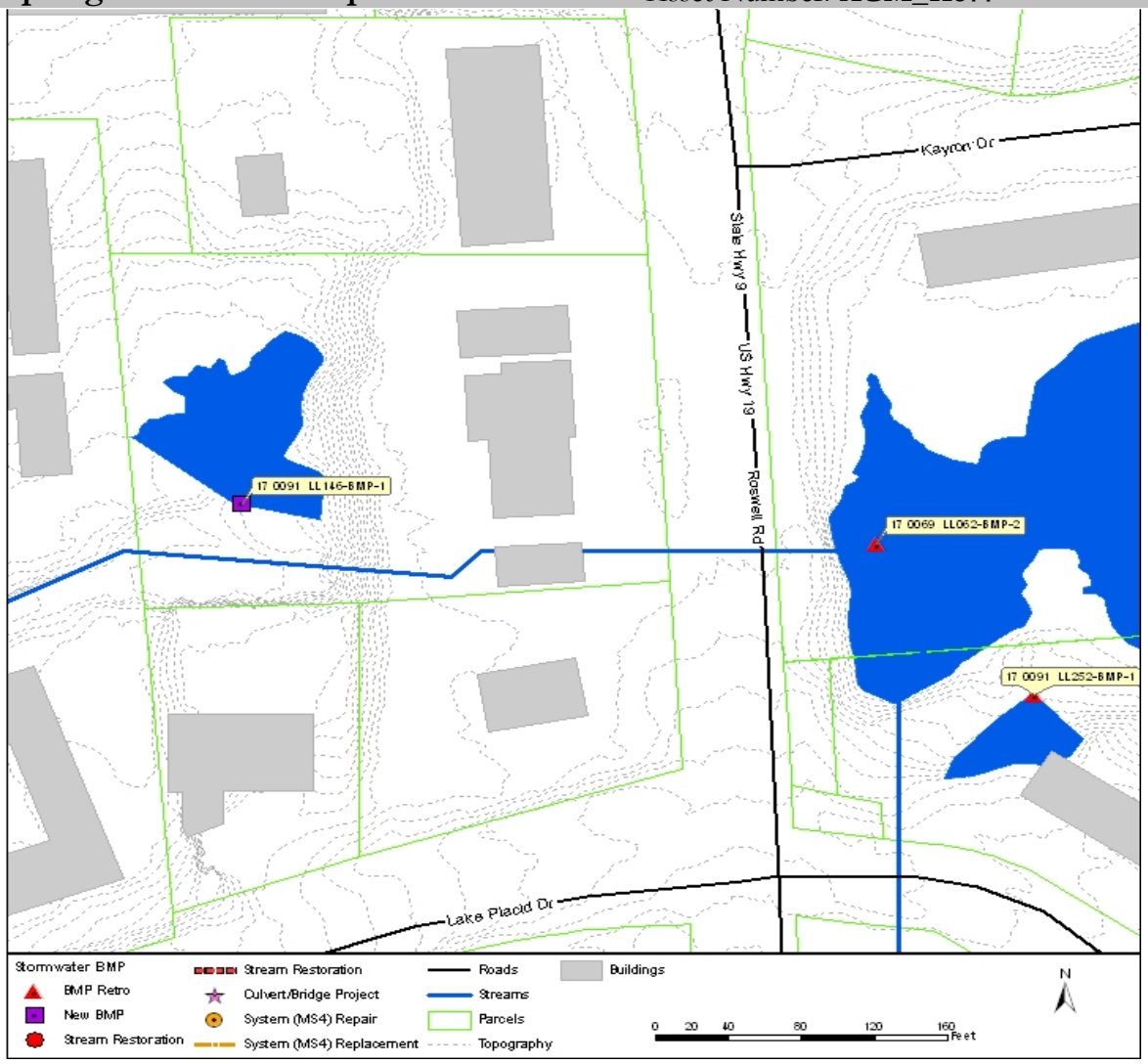

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	462	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	25,706	ft^3
Parcel Ownership:	Private		Potential Volume:	25,706	ft^3
Land Use:	Commercial		WQ Volume:	70,318	ft^3
			CP Volume:	209,737	ft^3
			25-Year Volume:	271,527	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	23.6	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	38	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	31	
Flood Width Over Road:	N/A	ft	Change in Risk:	7	
Structure Type:	N/A		**Benefit/Cost:**	1.87	
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 0091 LL160-BMP-1**
Asset Number: **AGM_11503**

Benefit/Cost:	2.54	Address:	5585 Roswell Rd
Estimated Cost:	$483,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Commercial area near Roswell 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

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

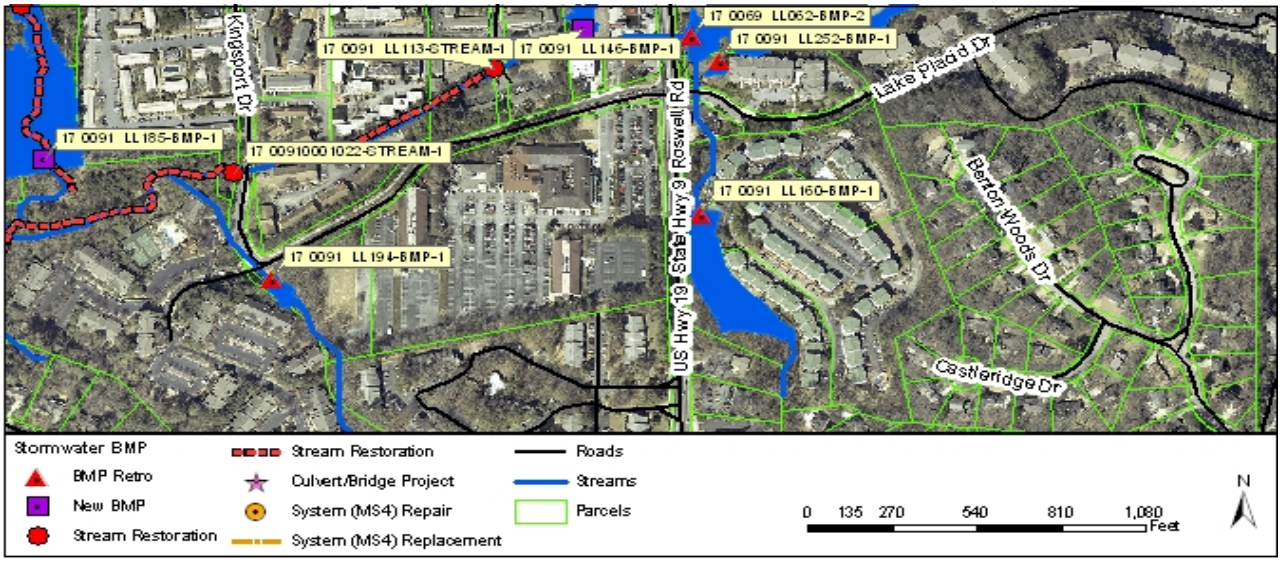

Figure 1 Plan View of Project with Aerial Photography

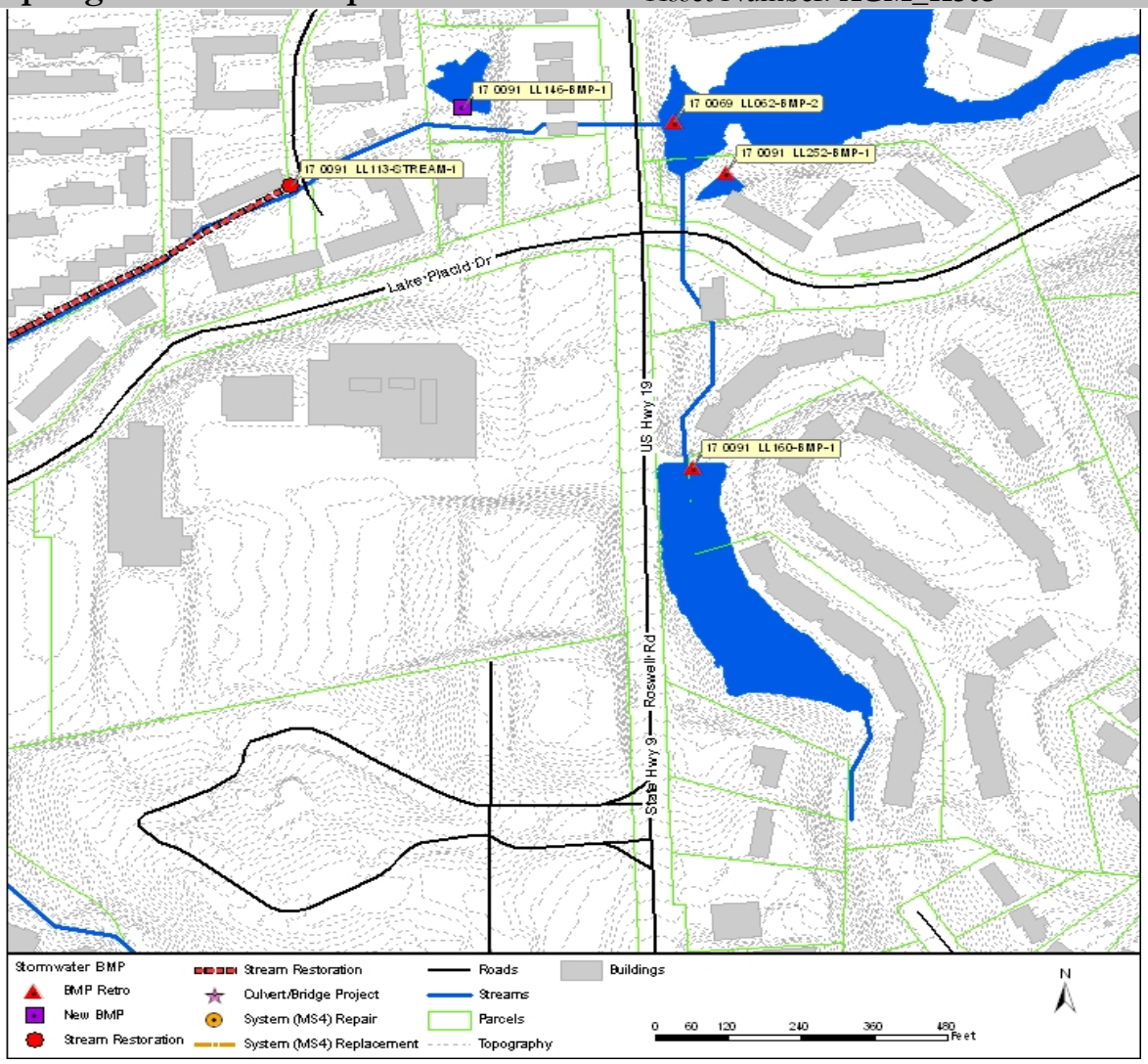

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	178	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	586,967	ft^3
Parcel Ownership:	Private		Potential Volume:	586,967	ft^3
Land Use:	Commercial; Water		WQ Volume:	92,650	ft^3
			CP Volume:	329,402	ft^3
			25-Year Volume:	414,556	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	46.4	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	20	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	10	
Flood Width Over Road:	N/A	ft	Change in Risk:	10	
Structure Type:	N/A		**Benefit/Cost:**	2.54	
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 0091 LL163-BMP-1**
Asset Number: **AGM_11757**

Benefit/Cost:	6.63	Address:	5472 Roswell Rd
Estimated Cost:	$544,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Commercial area near Roswell Rd. This project was included in the previous CIP as SS-BMP-24320360. 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 a portion of the channel protection benefits by converting it to a micropool extended detention pond and redesigning the control structure. Modifications include increasing the dam height to increase capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

Photo 2

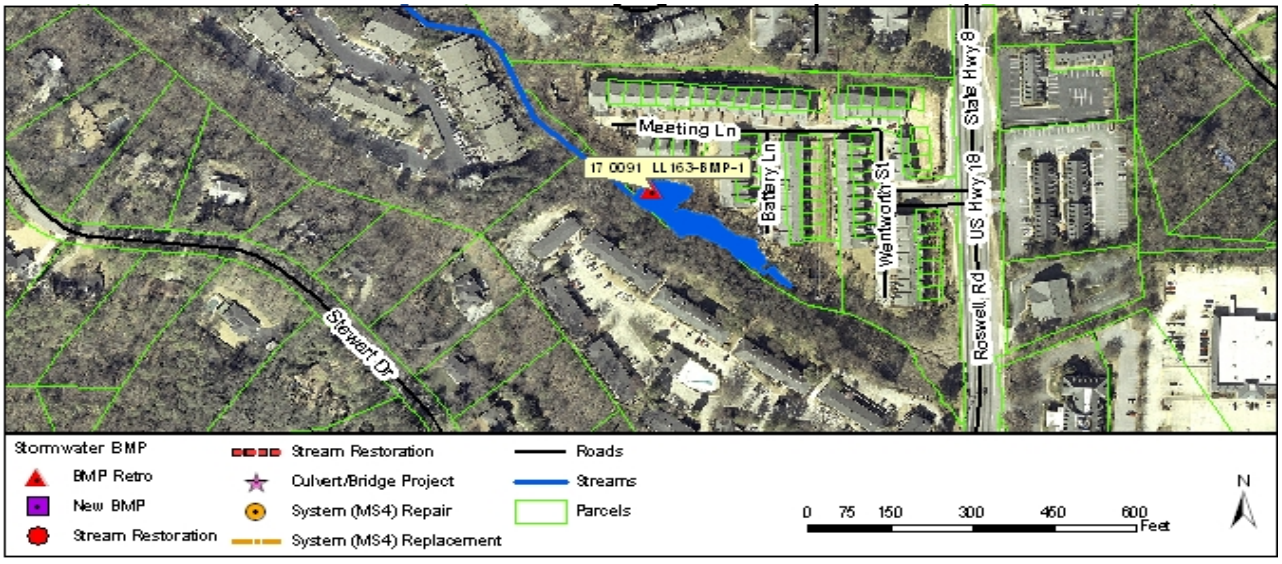

Figure 1 Plan View of Project with Aerial Photography

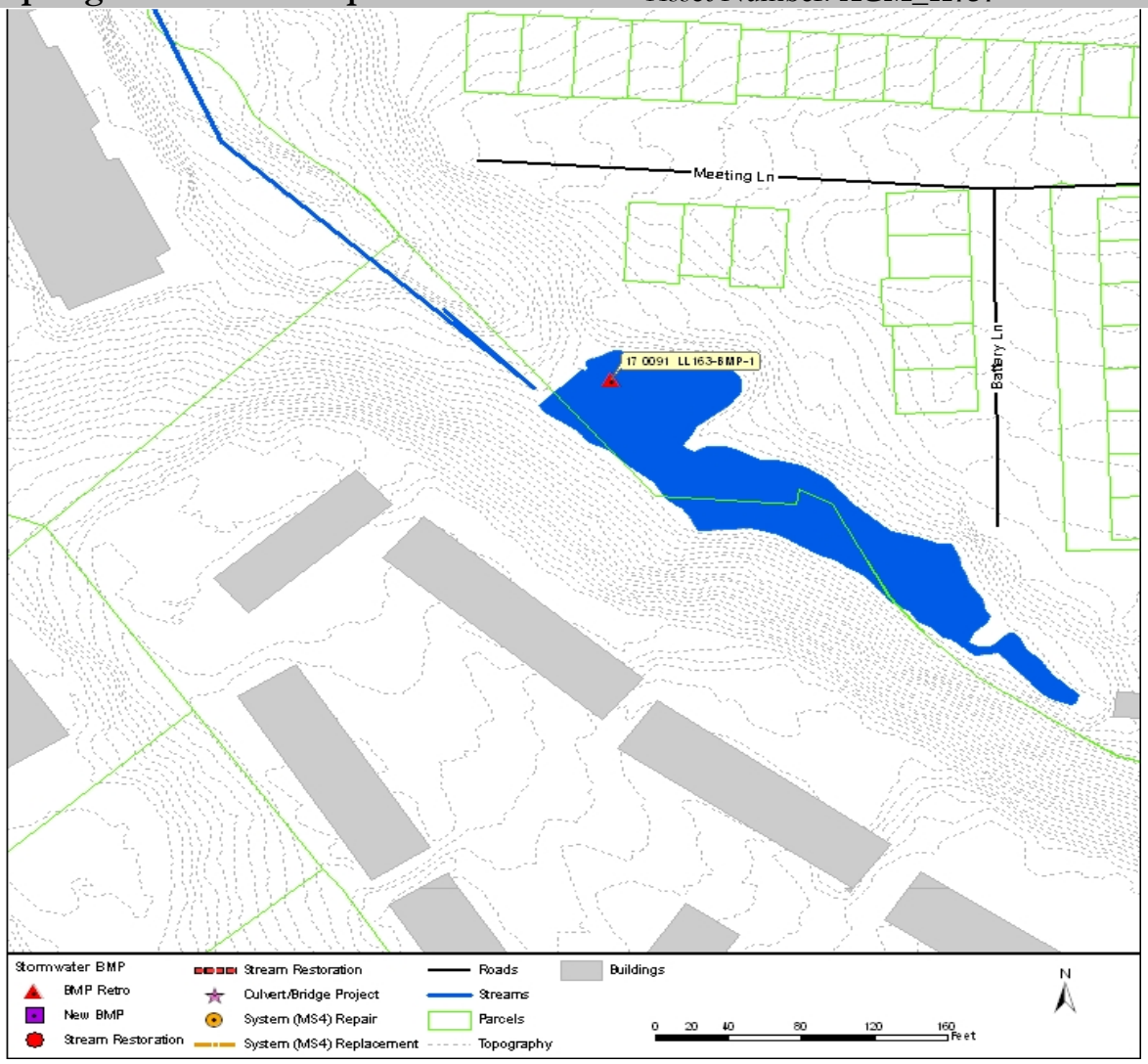

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	526	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	49,209	ft^3
Parcel Ownership:	Private		Potential Volume:	98,417	ft^3
Land Use:	Commercial		WQ Volume:	59,655	ft^3
			CP Volume:	233,291	ft^3
			25-Year Volume:	305,213	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	24.2	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	47	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	14	
Flood Width Over Road:	N/A	ft	Change in Risk:	33	
Structure Type:	N/A		**Benefit/Cost:**	6.63	
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 0091 LL185-BMP-1**
Asset Number: **AGM_11863**

Benefit/Cost:	1.24	Address:	5611 Lake Forrest Drive NE
Estimated Cost:	$2,545,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Build a new wet pond. The new BMP is located on a Commercial; Residential - 2 acre; Woods - Grass Combination area near Lake Placid Dr. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24320381. 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. Closest Asset number chosen.

Project Goals

Design a wet pond that provides water quality benefits.

Photos and Maps

Photo 1

Photo 2

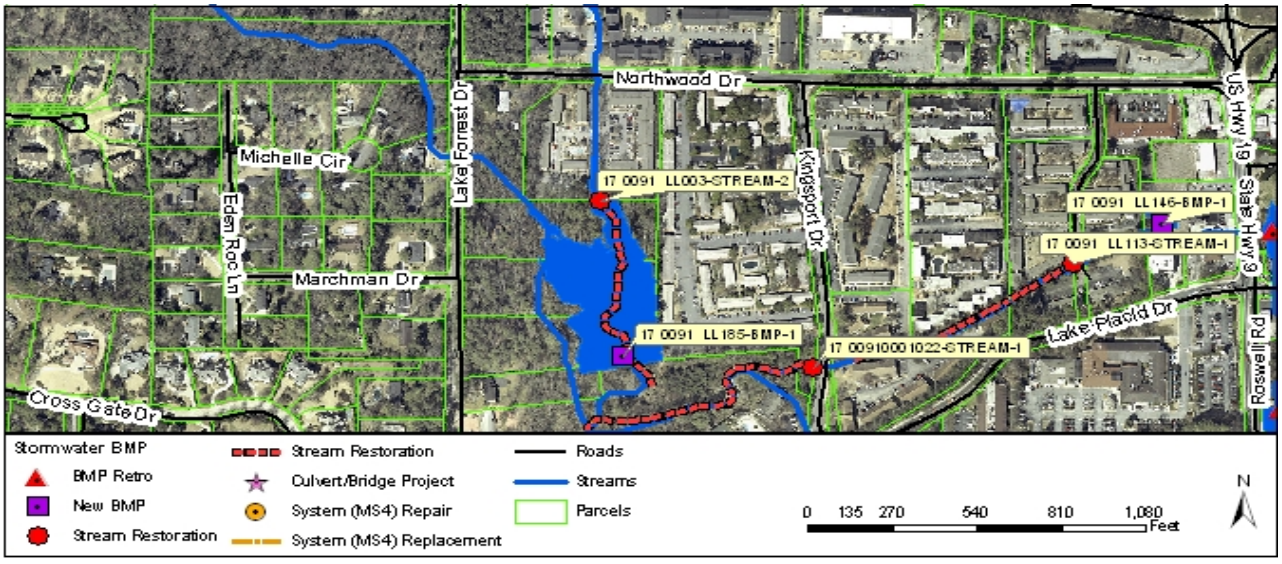

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0091 LL185-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_11863**

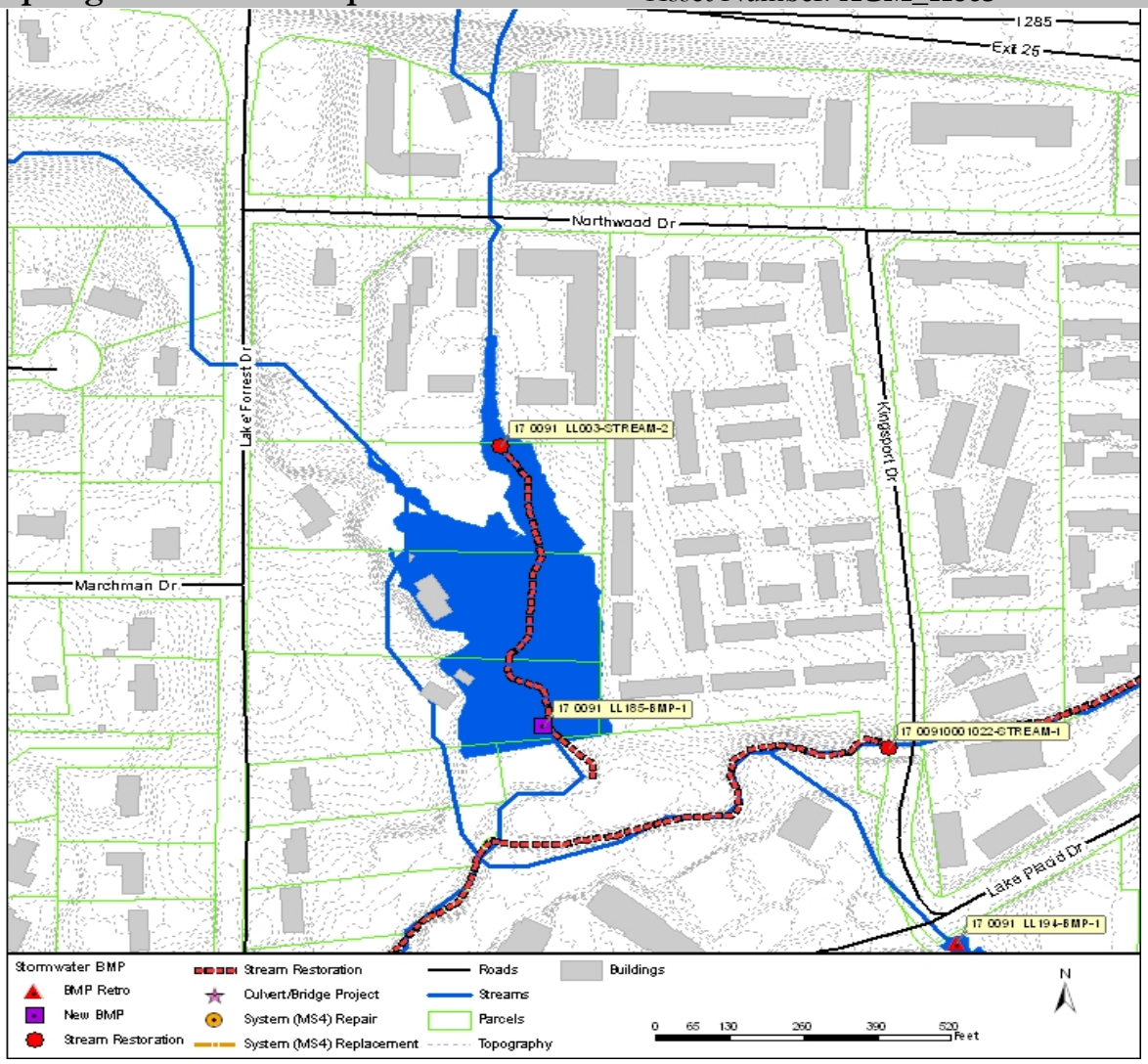

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	1,186	lb/ac/yr
Asset Ownership:	6: Non SF Res-Attached		Existing Volume:	694,968	ft^3
Parcel Ownership:	Private		Potential Volume:	694,968	ft^3
Land Use:	Commercial; Residential - 2 acre lot size; Woods - Grass Combination Fair		WQ Volume:	793,169	ft^3
			CP Volume:	2,571,649	ft^3
			25-Year Volume:	3,286,917	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	312.6 acres		Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	AE, X500, X		Existing Risk:	40	
Max Flood Depth Over Road:	N/A ft		Proposed Risk:	28	
Flood Width Over Road:	N/A ft		Change in Risk:	12	
Structure Type:	N/A		**Benefit/Cost:**	1.24	
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 0091 LL194-BMP-1**

Asset Number: **AGM_11715**

Benefit/Cost:	1.43	Address:	0 Lake Placid Dr
Estimated Cost:	$540,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Commercial area near Lake Placid Dr. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24320361. 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. Closest Asset number chosen.

Project Goals

This proposed retrofit will achieve greater water quality benefits by converting it into a micropool extended detention pond and redesigning the control structure. Modifications include excavating and expanding the BMP's footprint to increase it's capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

Photo 2

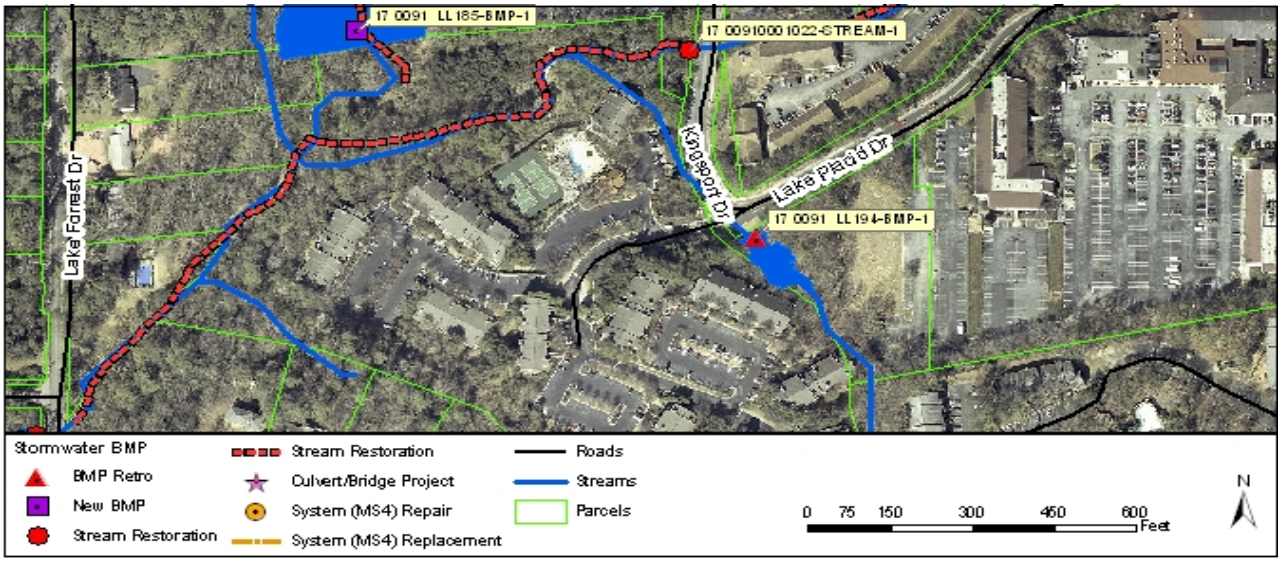

Figure 1 Plan View of Project with Aerial Photography

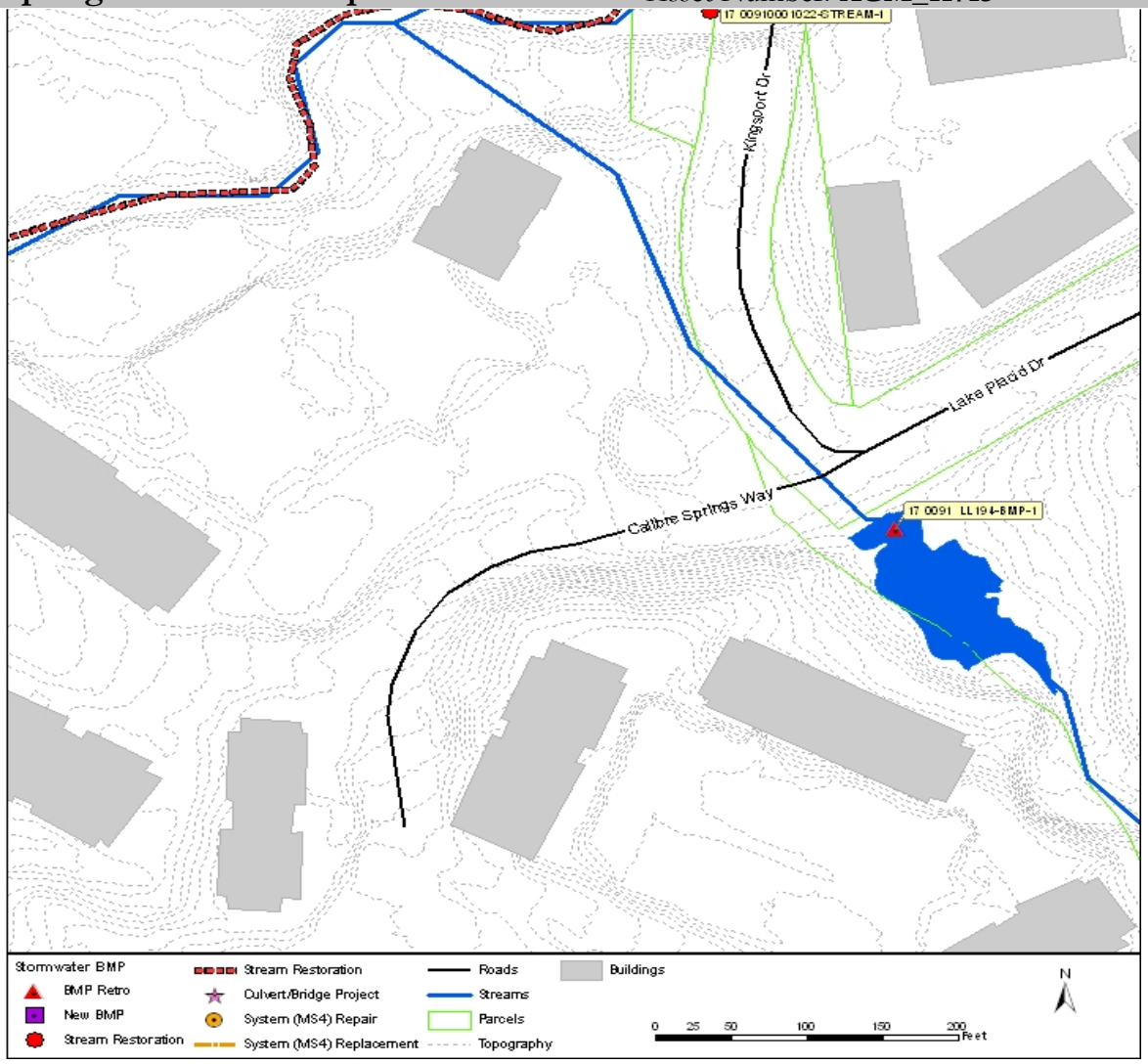

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	1,162	lb/ac/yr
Asset Ownership:	6: Non SF Res-Attached		Existing Volume:	9,607	ft^3
Parcel Ownership:	Private		Potential Volume:	28,820	ft^3
Land Use:	Commercial		WQ Volume:	92,386	ft^3
			CP Volume:	399,225	ft^3
			25-Year Volume:	523,267	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	41.9	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	46	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	39	
Flood Width Over Road:	N/A	ft	Change in Risk:	7	
Structure Type:	N/A		**Benefit/Cost:**	1.43	
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 0091 LL252-BMP-1**
Asset Number: **AGM_11435**

Benefit/Cost:	1.88	Address:	5641 Roswell Rd 107
Estimated Cost:	$353,000	Study Area:	Long Island Creek
		Proposed Project Type:	Dry Extended Detention

Project Description

Retrofit existing dry pond into a dry extended detention basin. The existing BMP is located on a Commercial area near Roswell Rd 107. 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

This proposed retrofit will achieve full channel protection benefits by converting it to a dry extended detention basin and redesigning the control structure. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

Photo 2

No photo available

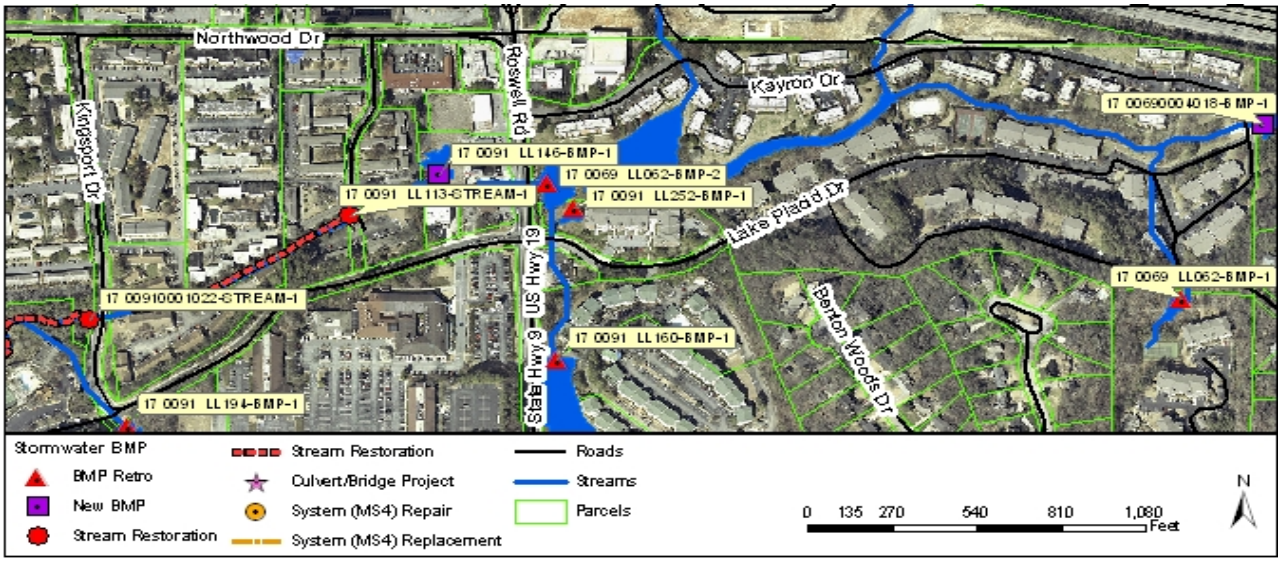

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0091 LL252-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_11435**

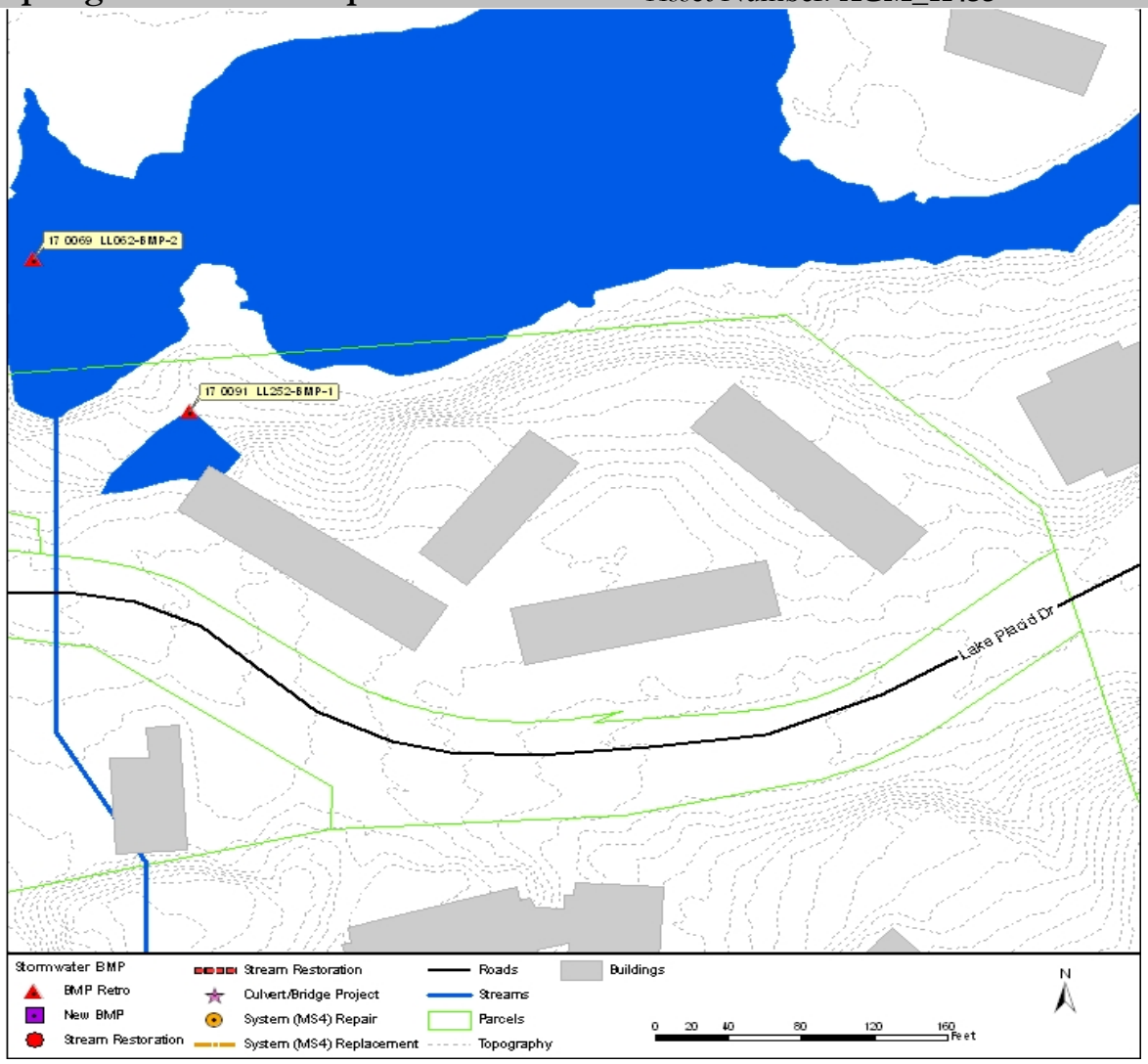

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	539	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	15,833	ft^3
Parcel Ownership:	Private		Potential Volume:	15,833	ft^3
Land Use:	Commercial		WQ Volume:	2,304	ft^3
			CP Volume:	8,472	ft^3
			25-Year Volume:	11,052	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	0.9	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500		Existing Risk:	17	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	9	
Flood Width Over Road:	N/A	ft	Change in Risk:	8	
Structure Type:	N/A		**Benefit/Cost:**	1.88	
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 0092 LL037-BMP-1**
Asset Number: **AGM_01530**

Benefit/Cost:	3.18	Address:	5320 Roswell Rd
Estimated Cost:	$271,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Commercial; Residential - 1 acre area near Roswell Rd. 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 a portion of the channel protection benefits by converting it to a micropool extended detention pond and redesigning the control structure. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

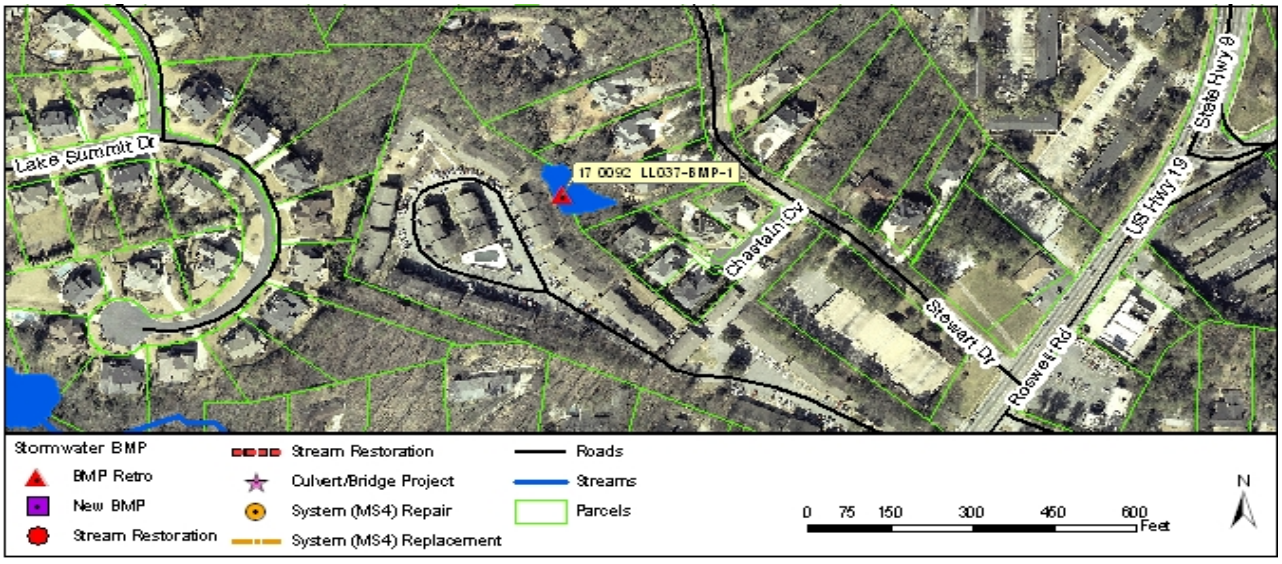

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0092 LL037-BMP-1**
Asset Number: **AGM_01530**

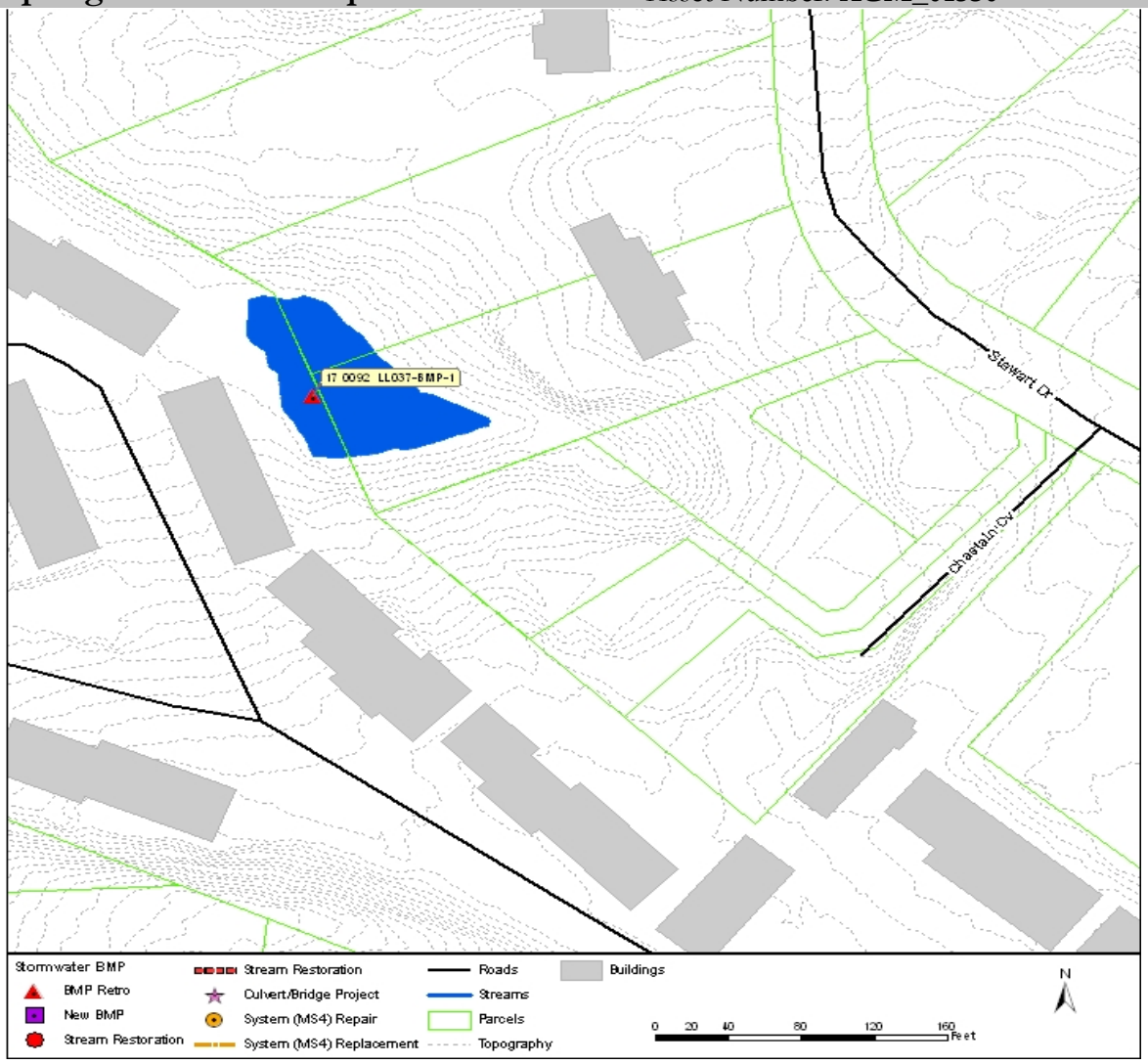

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6	
Asset Ownership:	7: SF Residential-Not Attach	
Parcel Ownership:	Private	
Land Use:	Commercial; Residential - 1 acre lot size	
TMDL Stream(FecalColiform):	Y	
TMDL Stream (Biota):	Y	
Drainage Area:	7.7	acres
FEMA Flood Hazard Zone:	X	
Max Flood Depth Over Road:	N/A	ft
Flood Width Over Road:	N/A	ft
Structure Type:	N/A	
Pipe Size:	N/A	ft
Structure/Pipe Age:	N/A	
Structure/Pipe Conditions:	N/A	

TSS Yield:	337	lb/ac/yr
Existing Volume:	16,291	ft^3
Potential Volume:	16,291	ft^3
WQ Volume:	15,622	ft^3
CP Volume:	52,120	ft^3
25-Year Volume:	64,764	ft^3
Stream Project Length:	N/A	ft
Stream Order:	Offline	
Bank Stability (% exposed):	N/A	N/A
Bank Height:	N/A	N/A
Existing Risk:	29	
Proposed Risk:	17	
Change in Risk:	13	
Benefit/Cost:	3.18	

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0092 LL043-BMP-1**
Asset Number: **AGM_01785**

Benefit/Cost:	1.78	Address:	700 Lake Summit Dr
Estimated Cost:	$274,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Residential - 1/3 acre area near Lake Summit Dr. 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 both water quality and channel protection benefits by converting it to a micropool extended detention pond and redesigning the control structure. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

Photo 2

No photo available

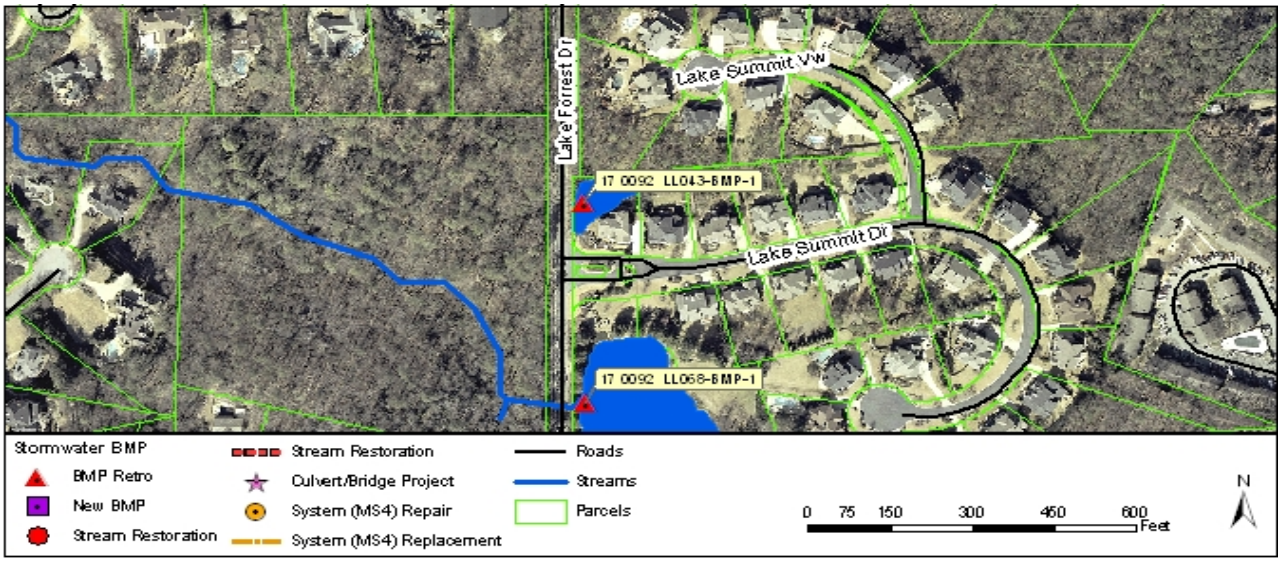

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0092 LL043-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_01785**

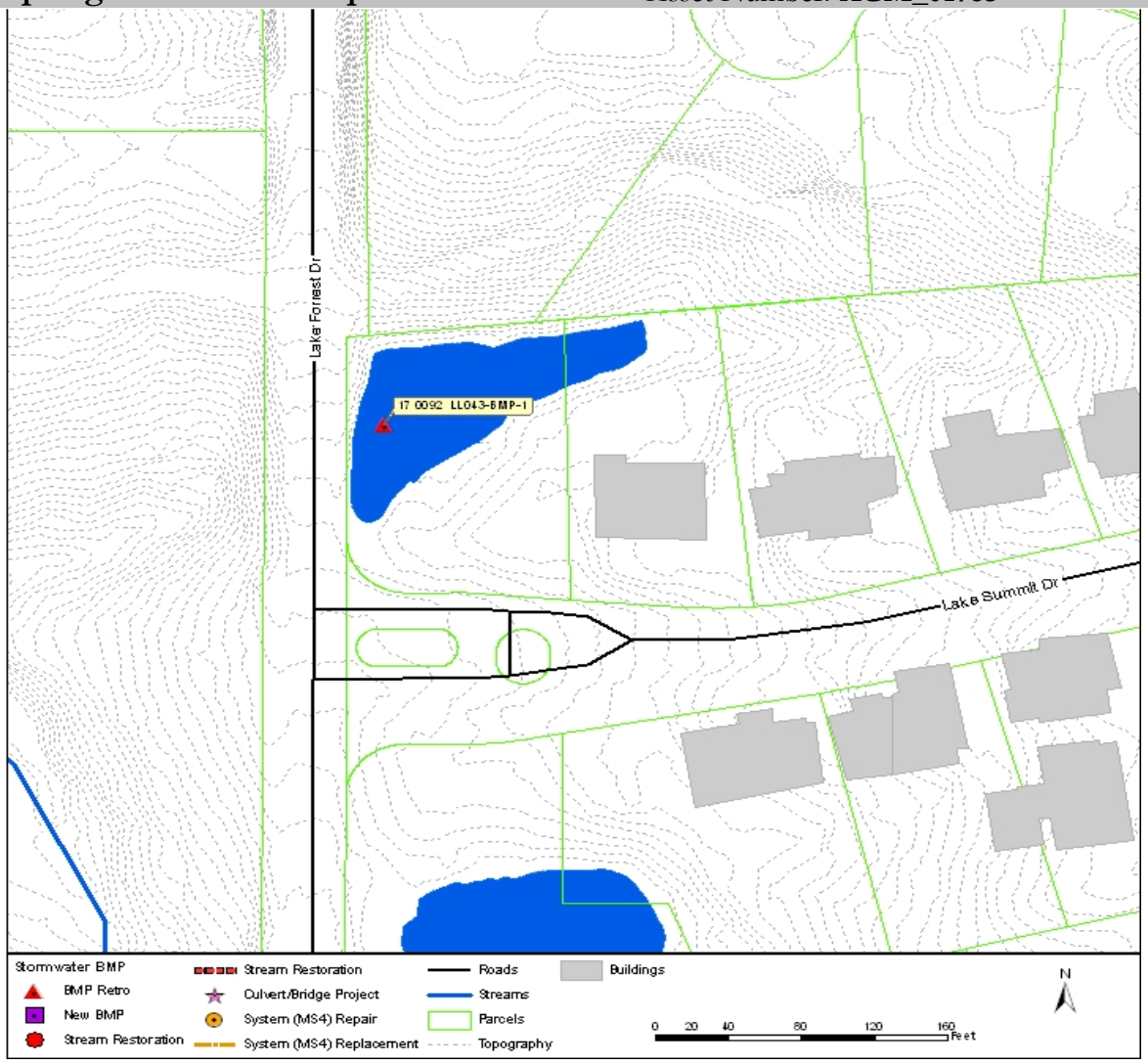

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	113	lb/ac/yr
Asset Ownership:	5: SF Residential-Attach		Existing Volume:	48,485	ft^3
Parcel Ownership:	Private		Potential Volume:	48,485	ft^3
Land Use:	Residential - 1/3 acre lot size		WQ Volume:	3,853	ft^3
			CP Volume:	23,290	ft^3
			25-Year Volume:	26,011	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	6.2	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	12	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	5	
Flood Width Over Road:	N/A	ft	Change in Risk:	7	
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: **17 0092 LL068-BMP-1**
Asset Number: **AGM_01790**

Benefit/Cost:	0.94	Address:	0 Lake Forrest Dr
Estimated Cost:	$463,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1/3 acre area near Lake Forrest Dr. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24210210. 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

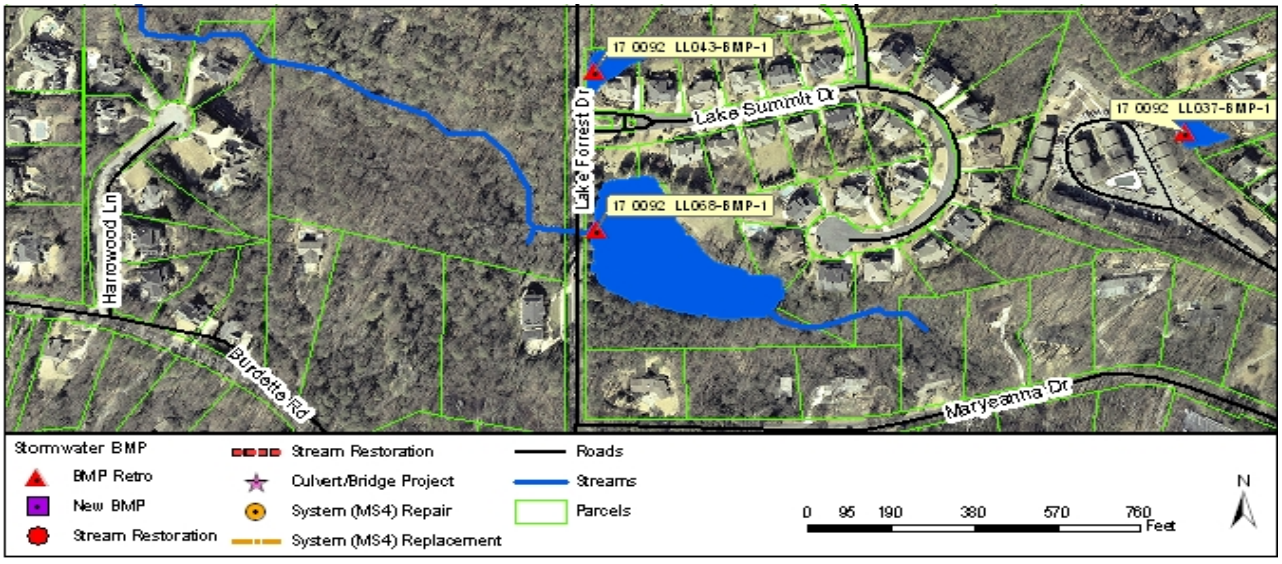

Figure 1 Plan View of Project with Aerial Photography

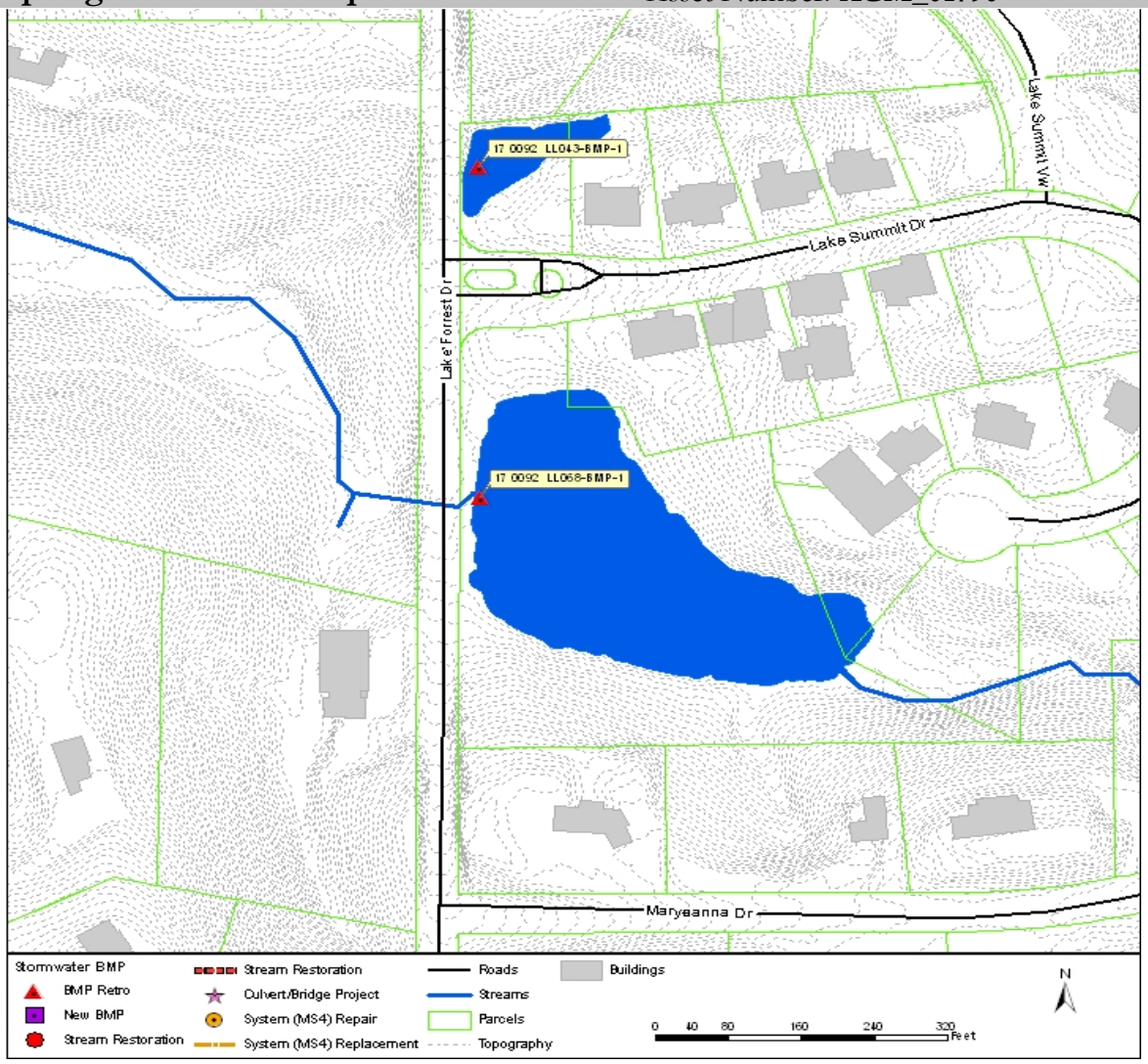

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	130	lb/ac/yr
Asset Ownership:	5: SF Residential-Attach		Existing Volume:	987,091	ft^3
Parcel Ownership:	Private		Potential Volume:	987,091	ft^3
Land Use:	Residential - 1/3 acre lot size; Water		WQ Volume:	60,189	ft^3
			CP Volume:	217,360	ft^3
			25-Year Volume:	248,081	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	42.9	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	8	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	5	
Flood Width Over Road:	N/A	ft	Change in Risk:	4	
Structure Type:	N/A		**Benefit/Cost:**	0.94	
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: **17 0123 LL159-BMP-1**
Asset Number: **AGM_08029**

Benefit/Cost:	0.85	Address:	905 Lancaster Way
Estimated Cost:	$292,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Residential - 1/4 acre area near Lancaster Way. 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 greater water quality benefits by converting it into a micropool extended detention pond and redesigning the control structure. Modifications include expanding the BMP's footprint to increase it's capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

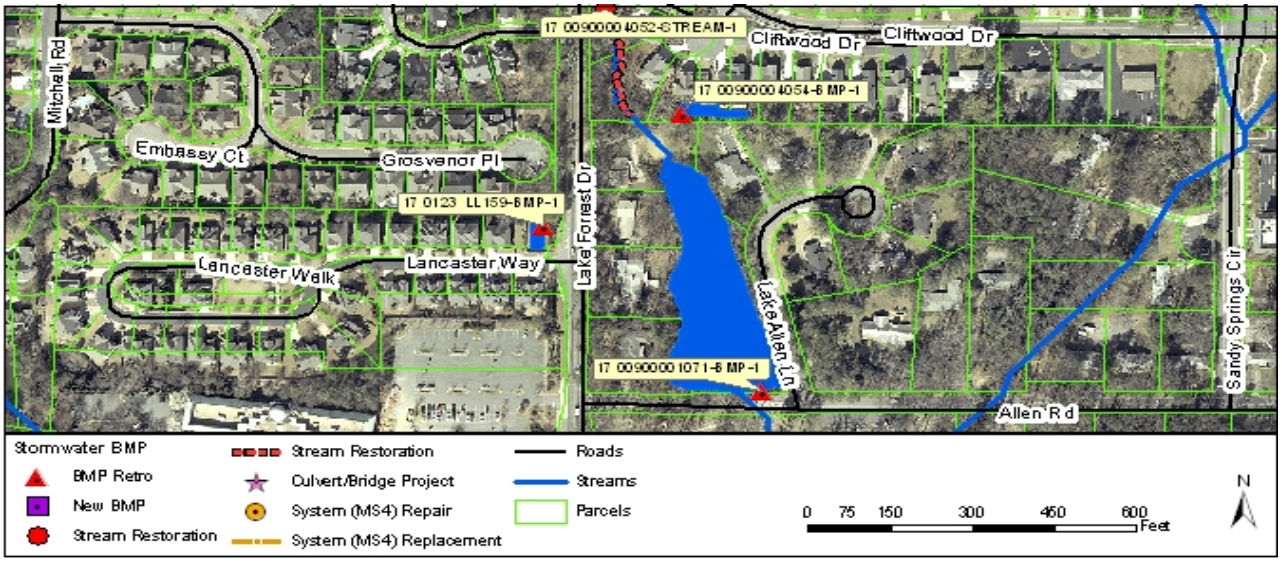

Figure 1 Plan View of Project with Aerial Photography

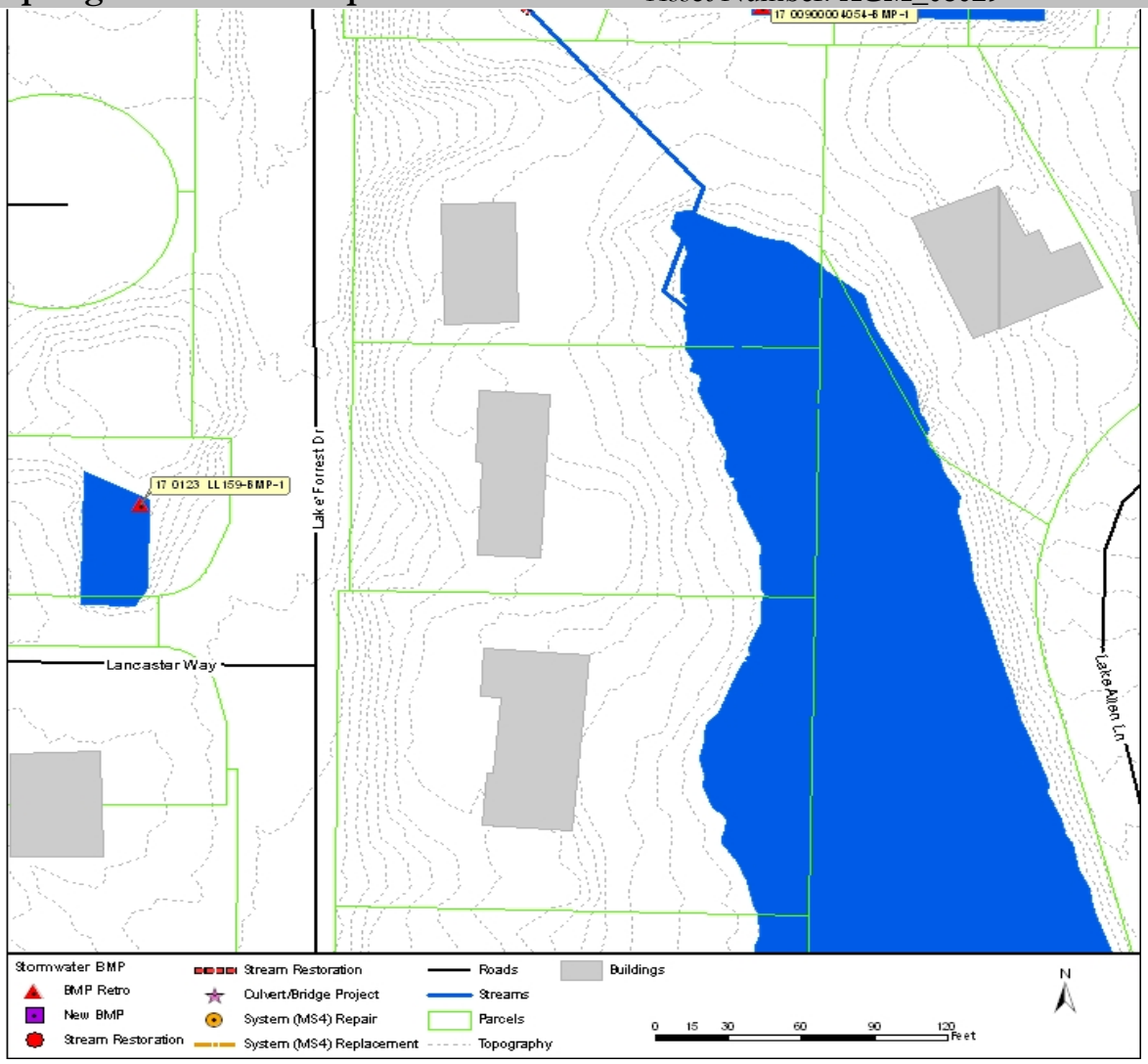

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3		TSS Yield:	223	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	2,994	ft^3
Parcel Ownership:	Private		Potential Volume:	5,987	ft^3
Land Use:	Residential - 1/4 acre lot size		WQ Volume:	22,578	ft^3
			CP Volume:	68,793	ft^3
			25-Year Volume:	90,578	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	9.3	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	35	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	31	
Flood Width Over Road:	N/A	ft	Change in Risk:	3	
Structure Type:	N/A		**Benefit/Cost:**	0.85	
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 0124 LL021-BMP-1**
Asset Number: **AGM_07994**

Benefit/Cost:	1.66	Address:	0 Lake Forrest Dr
Estimated Cost:	$470,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Commercial area near Lake Forrest Dr. 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

Project Description & Evaluation Project ID: **17 0124 LL021-BMP-1**

Sandy Springs Watershed Improvement Plan Asset Number: **AGM_07994**

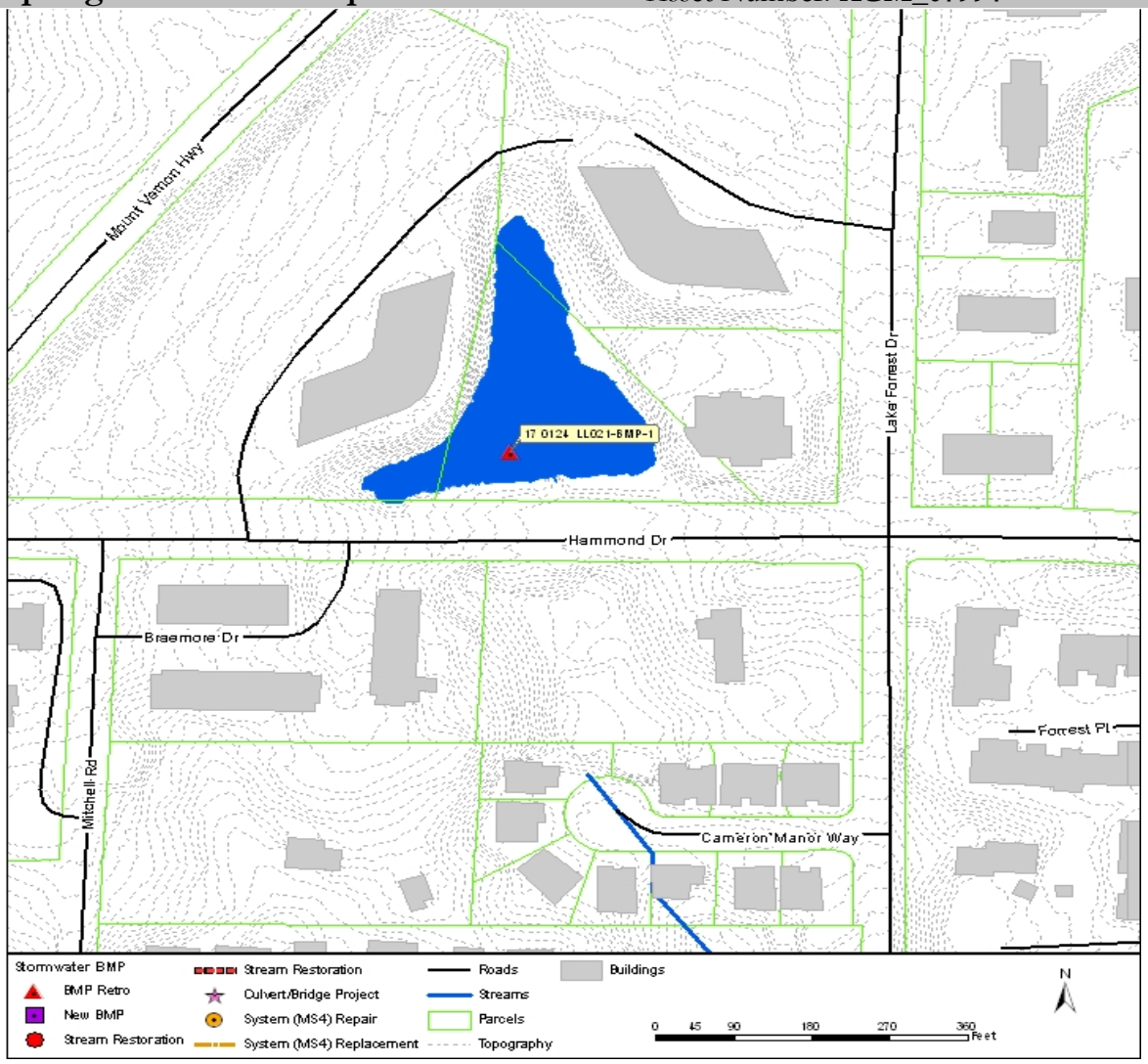

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3		TSS Yield:	202	lb/ac/yr
Asset Ownership:	6: Non SF Res-Attached		Existing Volume:	356,414	ft^3
Parcel Ownership:	Private		Potential Volume:	356,414	ft^3
Land Use:	Commercial; Water		WQ Volume:	39,892	ft^3
			CP Volume:	161,424	ft^3
			25-Year Volume:	209,560	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	16.0	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	14	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	7	
Flood Width Over Road:	N/A	ft	Change in Risk:	7	
Structure Type:	N/A		**Benefit/Cost:**	1.66	
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 LL101-BMP-1**
Asset Number: **AGM_08598**

Benefit/Cost:	1.33	Address:	401 Glen Errol Rd Nw
Estimated Cost:	$472,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre; Residential - 2 acre area near Glen Errol Rd Nw. This project was included in the previous CIP as SS-BMP-24220414. 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 0133 LL101-BMP-1**
Asset Number: **AGM_08598**

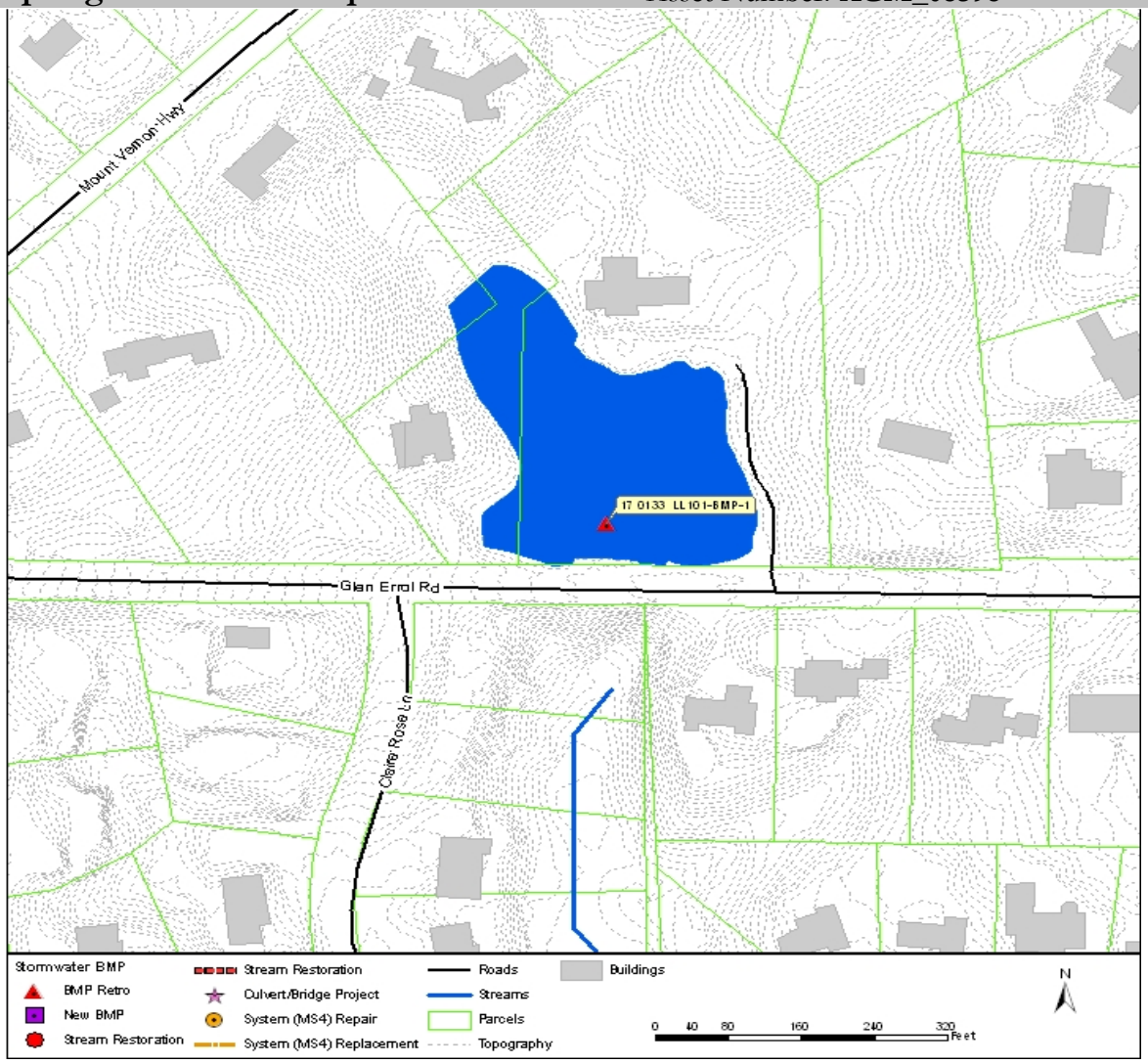

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6	
Asset Ownership:	5: SF Residential-Attach	
Parcel Ownership:	Private	
Land Use:	Residential - 1 acre lot size;	
	Residential - 2 acre lot size;	
	Water	
TMDL Stream(FecalColiform):	Y	
TMDL Stream (Biota):	Y	
Drainage Area:	23.2	acres
FEMA Flood Hazard Zone:	X500, X	
Max Flood Depth Over Road:	N/A	ft
Flood Width Over Road:	N/A	ft
Structure Type:	N/A	
Pipe Size:	N/A	ft
Structure/Pipe Age:	N/A	
Structure/Pipe Conditions:	N/A	

TSS Yield:	29	lb/ac/yr
Existing Volume:	952,465	ft^3
Potential Volume:	952,465	ft^3
WQ Volume:	22,257	ft^3
CP Volume:	76,704	ft^3
25-Year Volume:	71,628	ft^3
Stream Project Length:	N/A	ft
Stream Order:	Offline	
Bank Stability (% exposed):	N/A	N/A
Bank Height:	N/A	N/A
Existing Risk:	10	
Proposed Risk:	4	
Change in Risk:	5	
Benefit/Cost:	1.33	

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0135 LL059-STREAM-1**
Asset Number: **AGM_07211, AGM_07209**

Benefit/Cost:	7.22	Address:	482 Londonberry Rd
Estimated Cost:	$396,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

A level 2 stream restoration is proposed along approximately 350 feet of stream where the stream is widening. The right bank is eroding under fence of property. The stream can be moved toward left bank as it is encroaching on properties along the right bank. 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

Photo 2

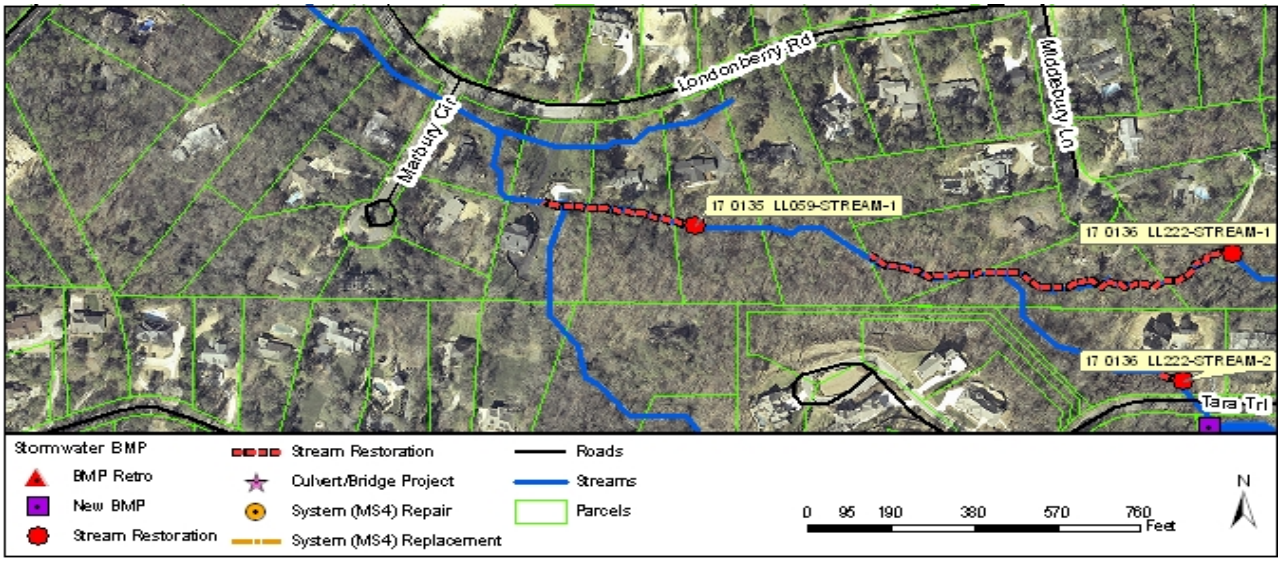

Figure 1 Plan View of Project with Aerial Photography

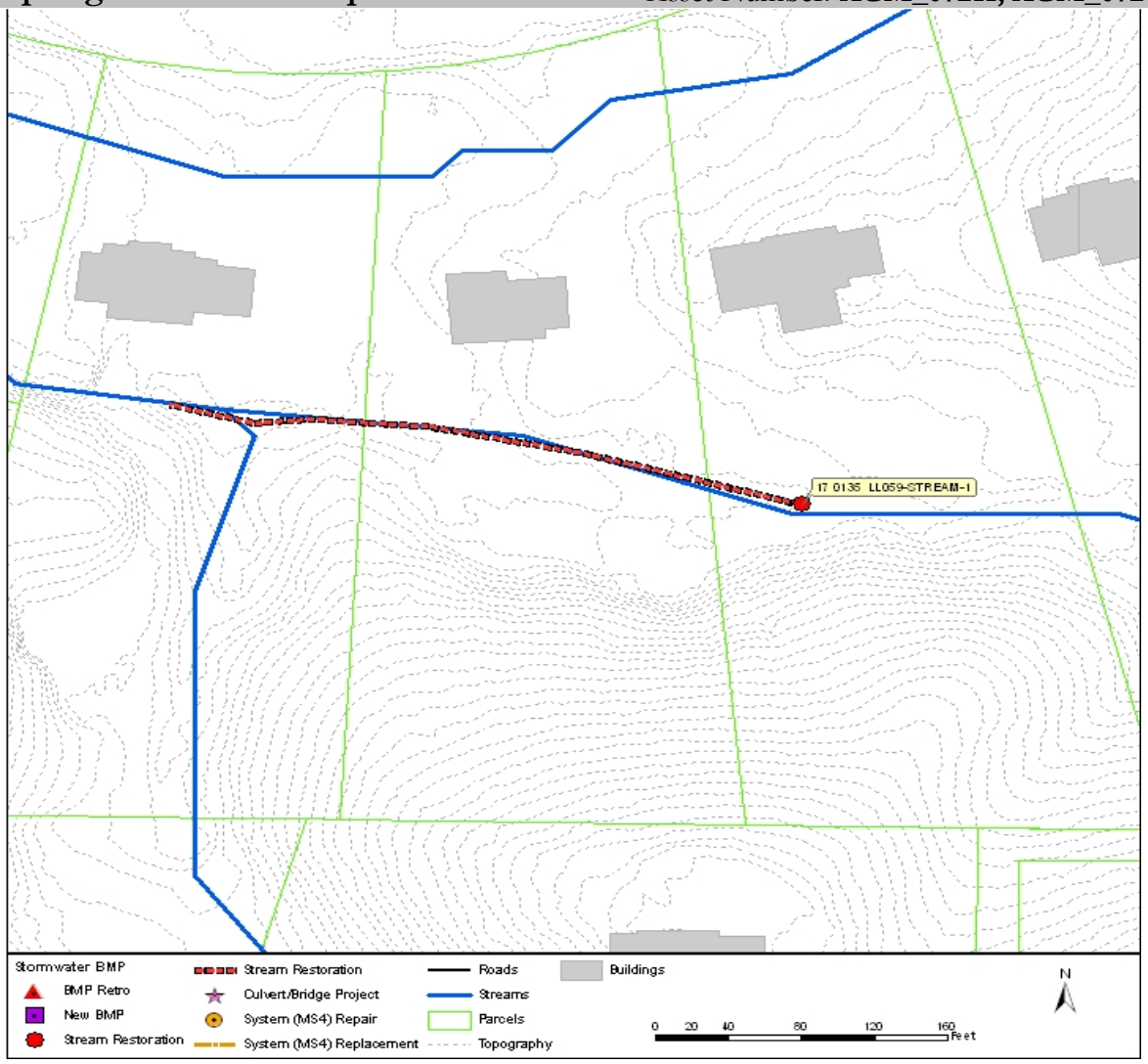

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	1,285	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
	Woods - Grass Combination		CP Volume:	N/A	ft^3
	Fair		25-Year Volume:	N/A	ft^3
			Stream Project Length:	356	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	50-75% LB	50-75% RB
Drainage Area:	114.3	acres	Bank Height:	2ft LB	2ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	41	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	12	
Flood Width Over Road:	N/A	ft	Change in Risk:	29	
Structure Type:	N/A		**Benefit/Cost:**	7.22	
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 0135 LL092-BMP-1**
Asset Number: **AGM_00438**

Benefit/Cost:	3.53	Address:	250 Londonberry Rd
Estimated Cost:	$343,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond Extended Detention

Project Description

Build a new wet extended detention pond. The new BMP is located on a Residential - 1 acre; Woods - Grass Combination area near Londonberry Rd. This project was included in the previous CIP as SS-BMP-24210201. 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. Closest Asset number chosen.

Project Goals

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

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

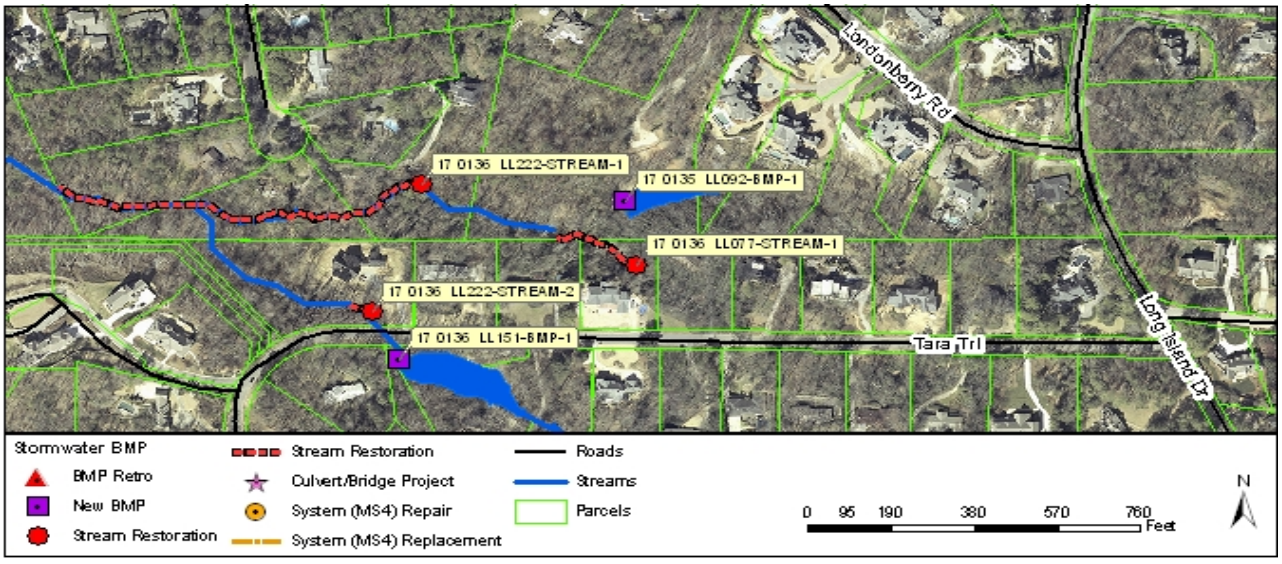

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0135 LL092-BMP-1**

Sandy Springs Watershed Improvement Plan Asset Number: **AGM_00438**

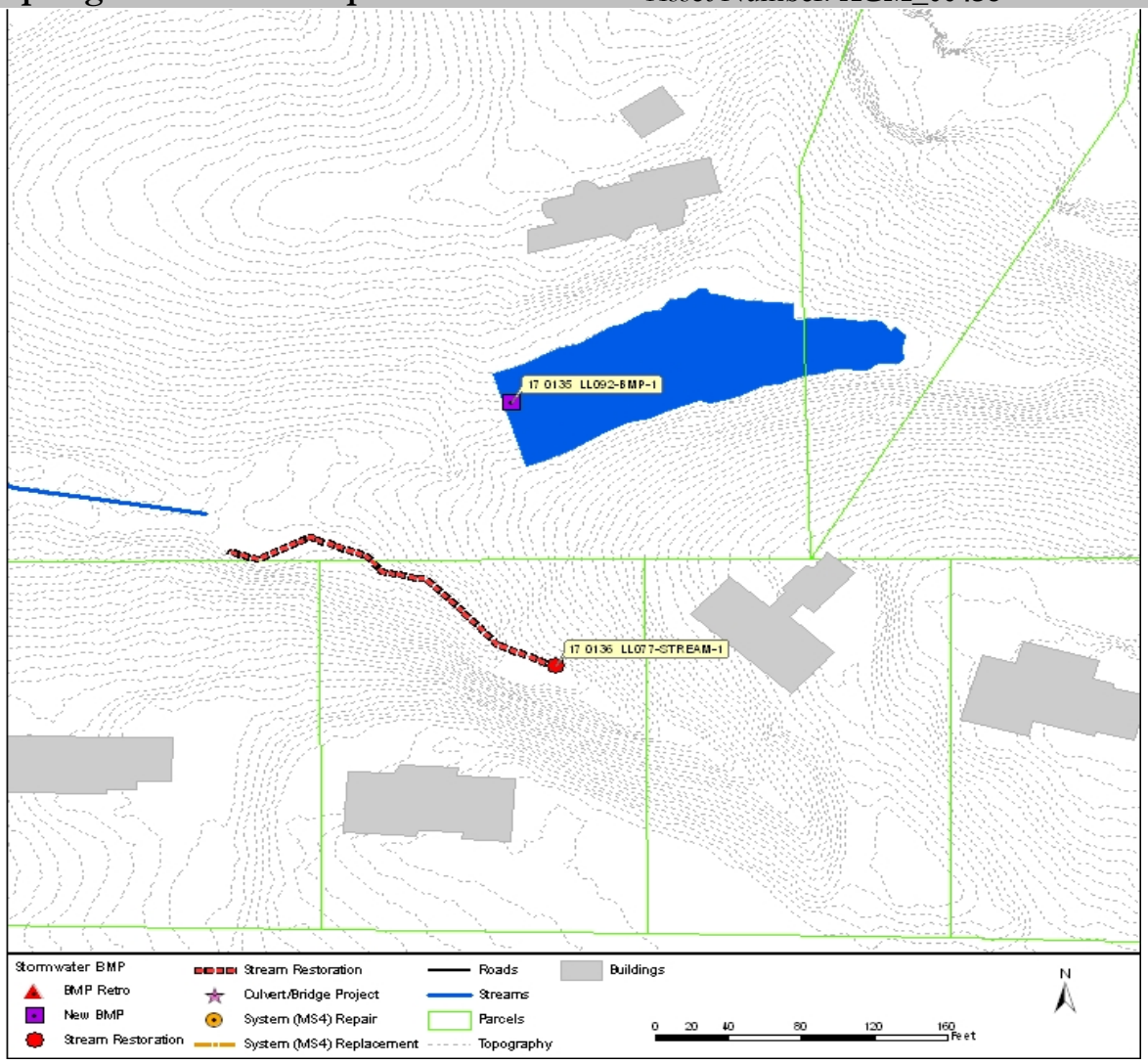

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	49	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	46,969	ft^3
Parcel Ownership:	Private		Potential Volume:	46,969	ft^3
Land Use:	Residential - 1 acre lot size;		WQ Volume:	8,105	ft^3
	Water; Woods - Grass		CP Volume:	28,051	ft^3
	Combination Fair		25-Year Volume:	26,189	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	8.8	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	22	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	8	
Flood Width Over Road:	N/A	ft	Change in Risk:	14	
Structure Type:	N/A		**Benefit/Cost:**	3.53	
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: **17 0136 LL077-STREAM-1**
Asset Number: **AGM_00438, AGM_07291**

Benefit/Cost:	2.07	Address:	311 Tara Trl Nw
Estimated Cost:	$237,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 3 stream restoration is proposed along approximately 200 foot reach where the stream has incised and widened. A Level 3 approach includes restoring the degraded channel to a stable condition at existing grade and providing a floodprone area within the channel. 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 and decrease suspended sediment load to 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.

Photos and Maps

Photo 1

Photo 2

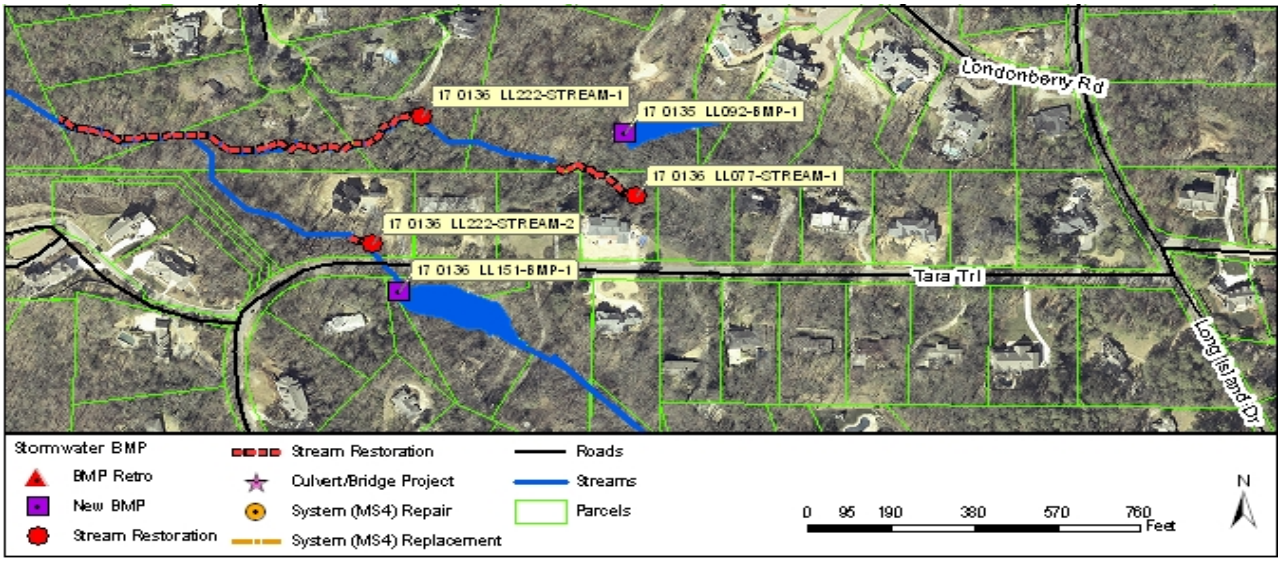

Figure 1 Plan View of Project with Aerial Photography

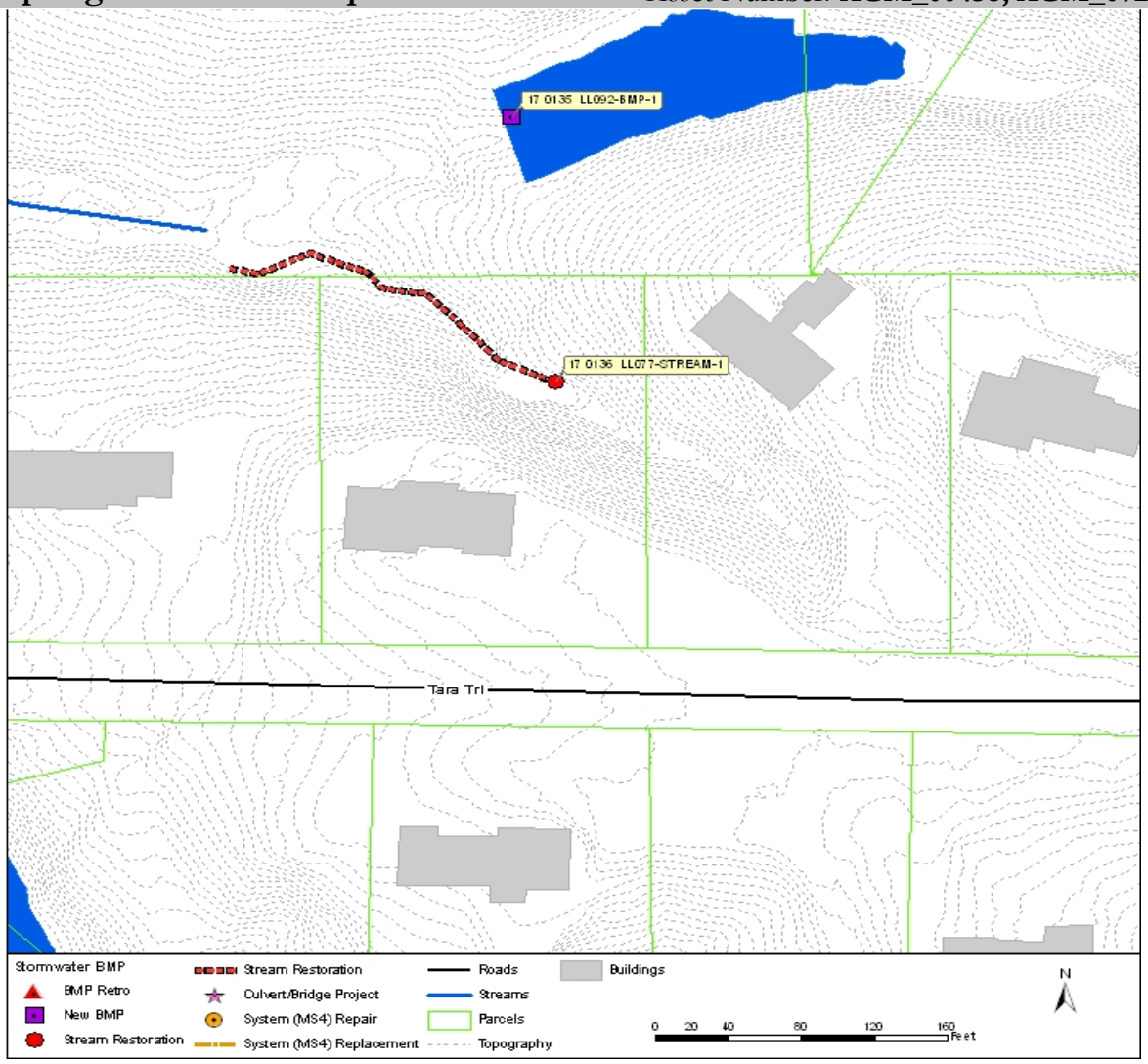

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	122	lb/ac/yr
Asset Ownership:	Not Applicable		Existing Volume:	N/A	ft^3
Parcel Ownership:	Private		Potential Volume:	N/A	ft^3
Land Use:	Woods - Grass Combination		WQ Volume:	N/A	ft^3
	Fair		CP Volume:	N/A	ft^3
			25-Year Volume:	N/A	ft^3
			Stream Project Length:	213	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	25-50% LB	25-50% RB
Drainage Area:	16.3	acres	Bank Height:	2.5ft LB	2.5ft RB
FEMA Flood Hazard Zone:	X		Existing Risk:	15	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	9	
Flood Width Over Road:	N/A	ft	Change in Risk:	6	
Structure Type:	N/A		**Benefit/Cost:**	2.07	
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 0136 LL089-BMP-1**
Asset Number: **AGM_01146**

Benefit/Cost:	3.76	Address:	4936 Powers Ferry Rd Nw
Estimated Cost:	$420,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Residential - 1 acre area near Powers Ferry Rd Nw. 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. Closest Asset number chosen.

Project Goals

This proposed retrofit will achieve both water quality and channel protection benefits by converting it to a micropool extended detention pond and redesigning the control structure. Modifications include expanding the BMP's footprint to increase it's capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

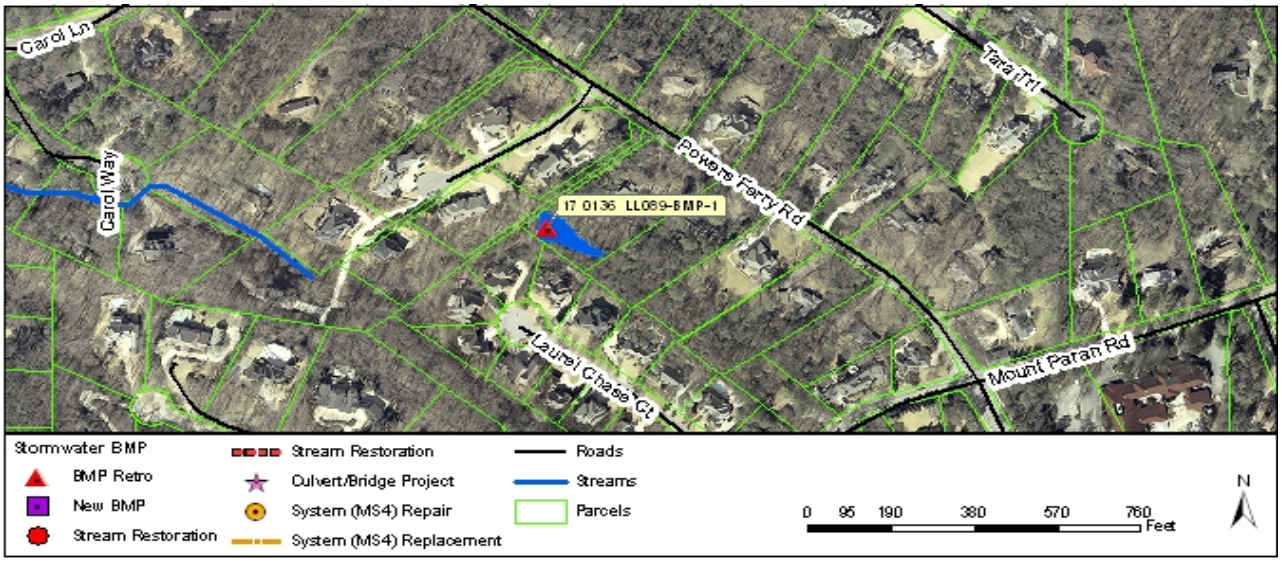

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0136 LL089-BMP-1**
Asset Number: **AGM_01146**

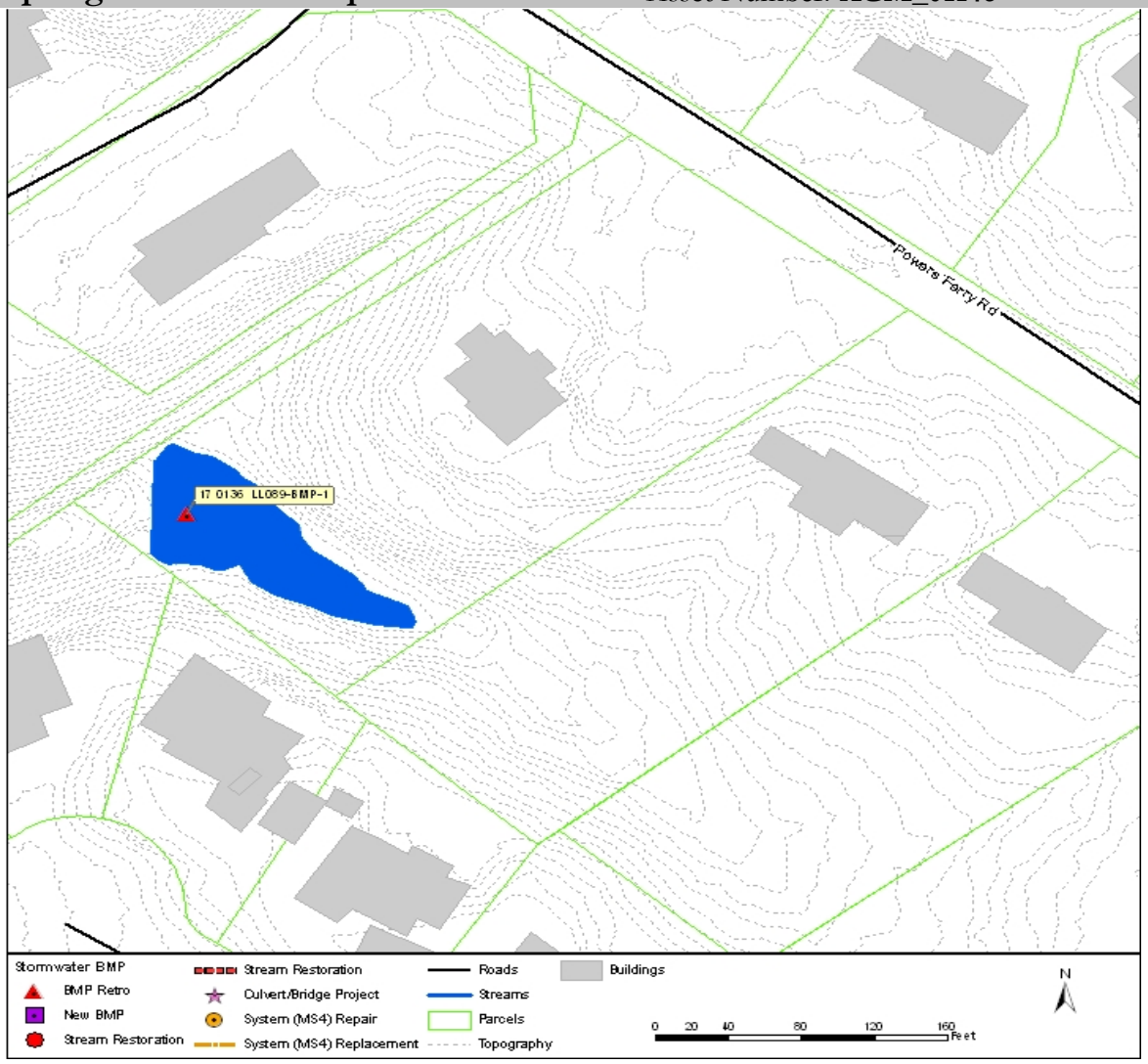

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6	
Asset Ownership:	9: To Be Determined	
Parcel Ownership:	Private	
Land Use:	Residential - 1 acre lot size; Water	
TMDL Stream(FecalColiform):	Y	
TMDL Stream (Biota):	Y	
Drainage Area:	10.3	acres
FEMA Flood Hazard Zone:	X	
Max Flood Depth Over Road:	N/A	ft
Flood Width Over Road:	N/A	ft
Structure Type:	N/A	
Pipe Size:	N/A	ft
Structure/Pipe Age:	N/A	
Structure/Pipe Conditions:	N/A	

TSS Yield:	71	lb/ac/yr
Existing Volume:	26,271	ft^3
Potential Volume:	52,543	ft^3
WQ Volume:	11,462	ft^3
CP Volume:	33,656	ft^3
25-Year Volume:	32,902	ft^3
Stream Project Length:	N/A	ft
Stream Order:	Offline	
Bank Stability (% exposed):	N/A	N/A
Bank Height:	N/A	N/A
Existing Risk:	20	
Proposed Risk:	5	
Change in Risk:	15	
Benefit/Cost:	3.76	

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0136 LL099-STREAM-1**
Asset Number: **AGM_01071, AGM_01150**

Benefit/Cost:	2.53	Address:	4956 Carol Ln
Estimated Cost:	$222,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 4 stream restoration is proposed along right bank for approximately 200 feet. The area of concern is downstream of a culvert. Stream is cutting into right bank causing it to be cantilever. 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. 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.

Photos and Maps

Photo 1

Photo 2

No photo available

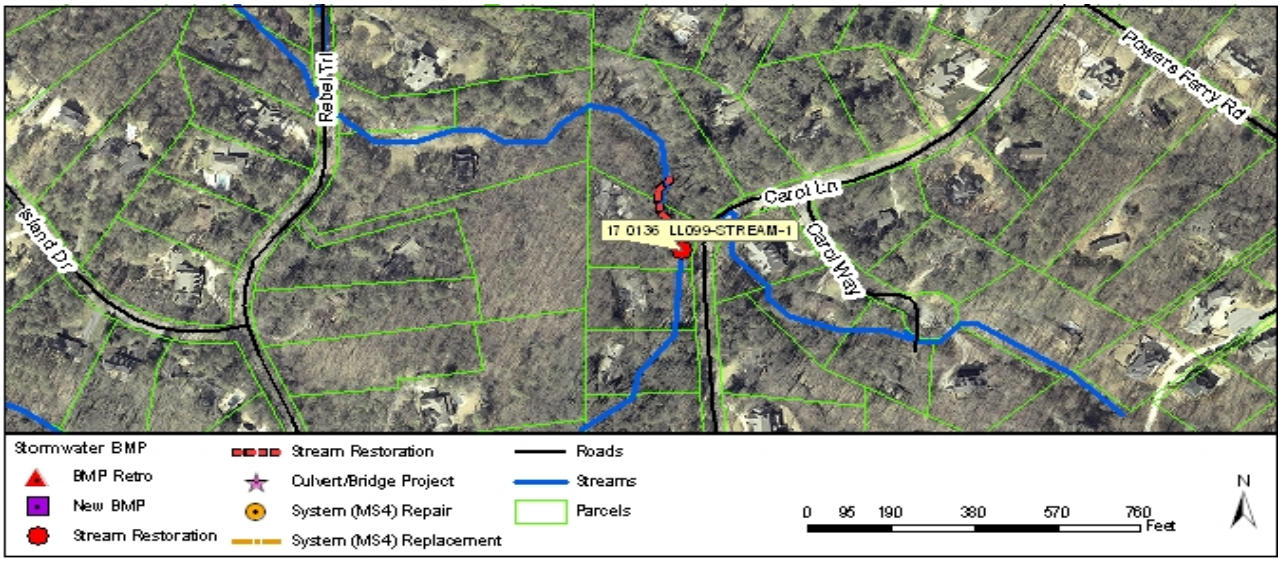

Figure 1 Plan View of Project with Aerial Photography

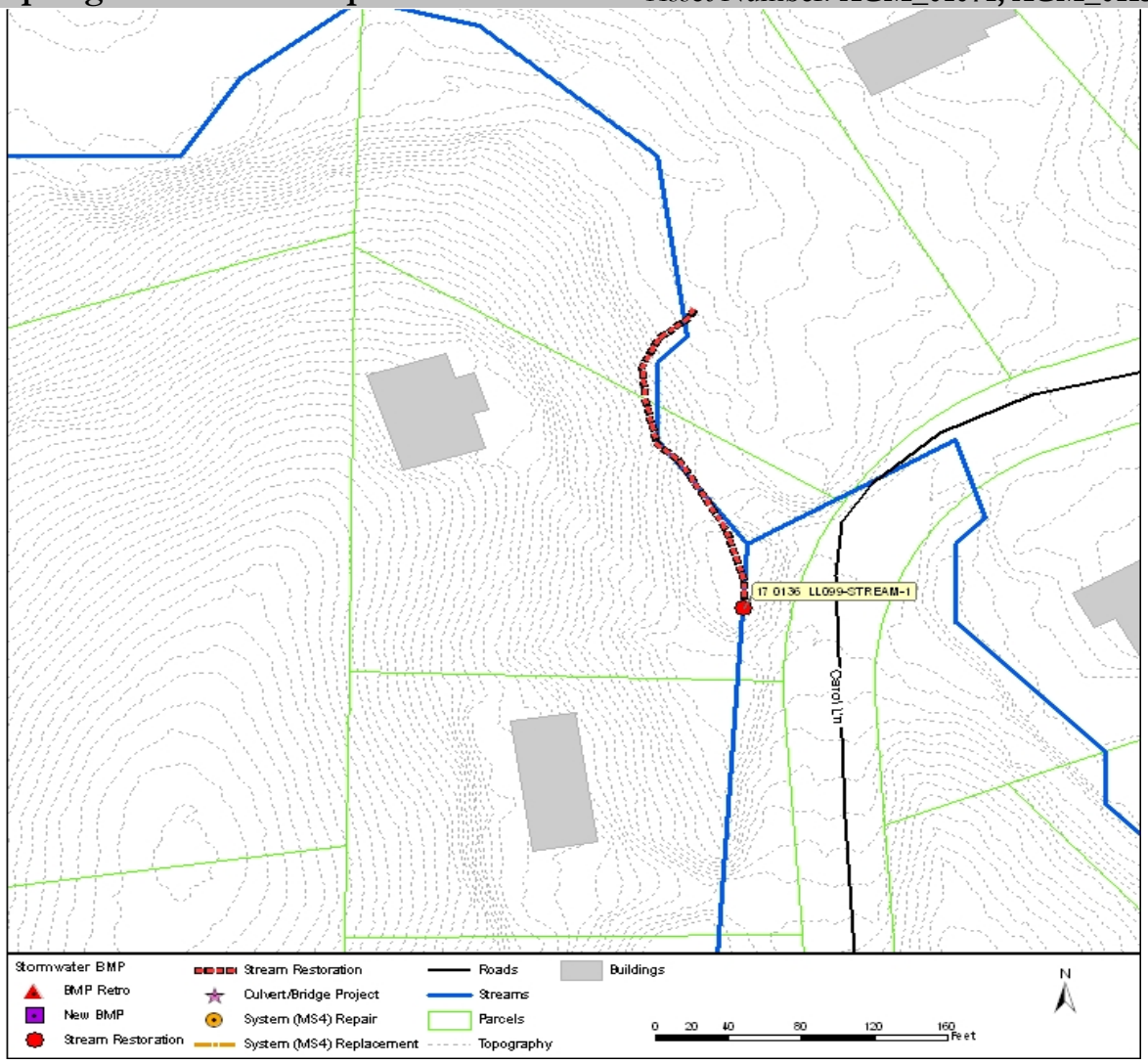

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6	
Asset Ownership:	Not Applicable	
Parcel Ownership:	Private	
Land Use:	Residential - 1 acre lot size	
TMDL Stream(FecalColiform):	Y	
TMDL Stream (Biota):	Y	
Drainage Area:	34.3	acres
FEMA Flood Hazard Zone:	X	
Max Flood Depth Over Road:	N/A	ft
Flood Width Over Road:	N/A	ft
Structure Type:	N/A	
Pipe Size:	N/A	ft
Structure/Pipe Age:	N/A	
Structure/Pipe Conditions:	N/A	

TSS Yield:	343	lb/ac/yr
Existing Volume:	N/A	ft^3
Potential Volume:	N/A	ft^3
WQ Volume:	N/A	ft^3
CP Volume:	N/A	ft^3
25-Year Volume:	N/A	ft^3
Stream Project Length:	217	ft
Stream Order:	1	
Bank Stability (% exposed):	25-50% LB	25-50% RB
Bank Height:	1.5ft LB	1.5ft RB
Existing Risk:	18	
Proposed Risk:	11	
Change in Risk:	8	
Benefit/Cost:	2.53	

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0136 LL151-BMP-1**
Asset Number: **AGM_01103**

Benefit/Cost:	2.66	Address:	360 Tara Trail NW
Estimated Cost:	$1,075,000	Study Area:	Long Island Creek
		Proposed Project Type:	Shallow Wetland

Project Description

Build a new shallow wetland. The new BMP is located on a Residential - 1 acre; Woods - Grass Combination area near Peachtree Rd. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24210203. 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. Closest Asset number chosen.

Project Goals

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

Photos and Maps

Photo 1

Photo 2

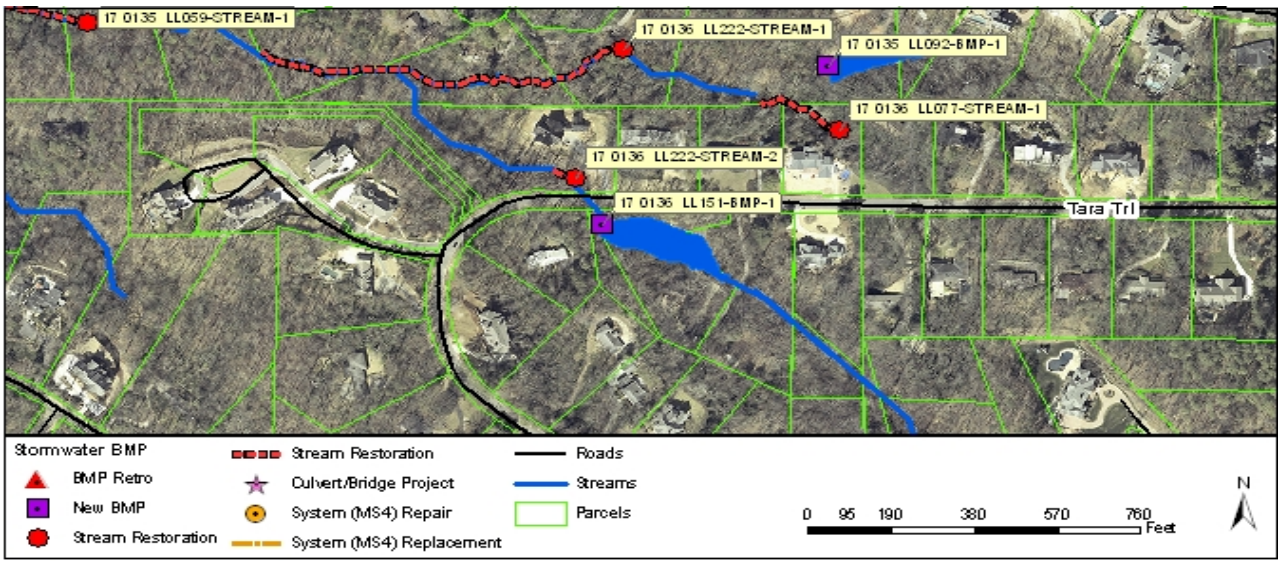

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0136 LL151-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_01103**

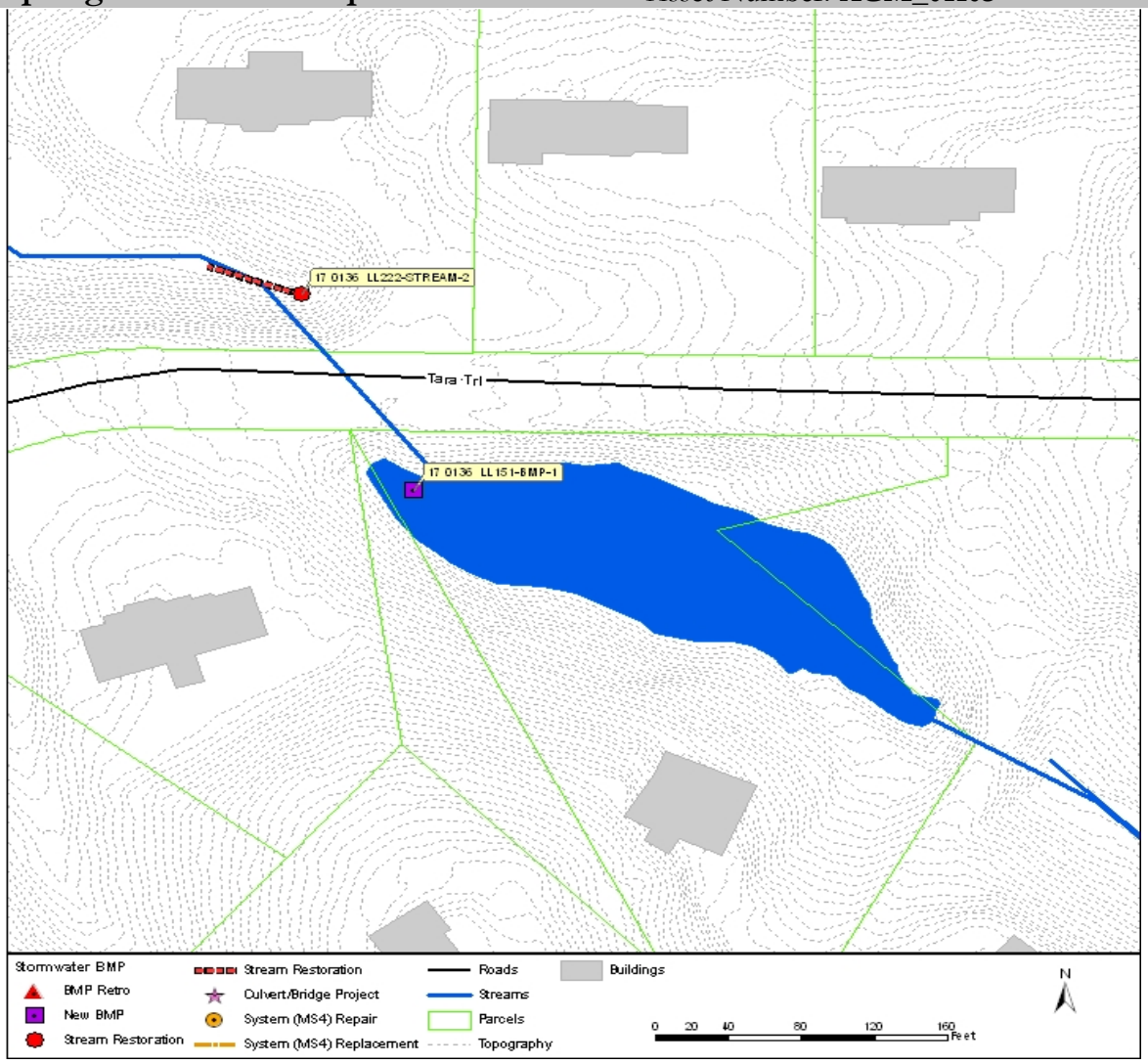

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	260	lb/ac/yr
Asset Ownership:	9: To Be Determined		Existing Volume:	237,777	ft^3
Parcel Ownership:	Private		Potential Volume:	237,777	ft^3
Land Use:	Residential - 1 acre lot size;		WQ Volume:	33,253	ft^3
	Woods - Grass Combination		CP Volume:	143,895	ft^3
	Fair		25-Year Volume:	117,037	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	50.1	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	23	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	5	
Flood Width Over Road:	N/A	ft	Change in Risk:	19	
Structure Type:	N/A		**Benefit/Cost:**	2.66	
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 0136 LL222-STREAM-1**
Asset Number: **AGM_00438, AGM_01119**

Benefit/Cost:	3.08	Address:	5137 Middlebury Lane
Estimated Cost:	$920,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

A Level 3 restoration is proposed along approximately 1,000 foot reach with erosion scores of 50-75% on both banks. Stream is very sinuous and is eroding on outer bends. Both banks are undercutting. A Level 3 approach includes restoring the degraded channel to a stable condition at existing grade and providing a floodprone area within the channel. 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 and decrease suspended sediment load to 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.

Photos and Maps

Photo 1

Photo 2

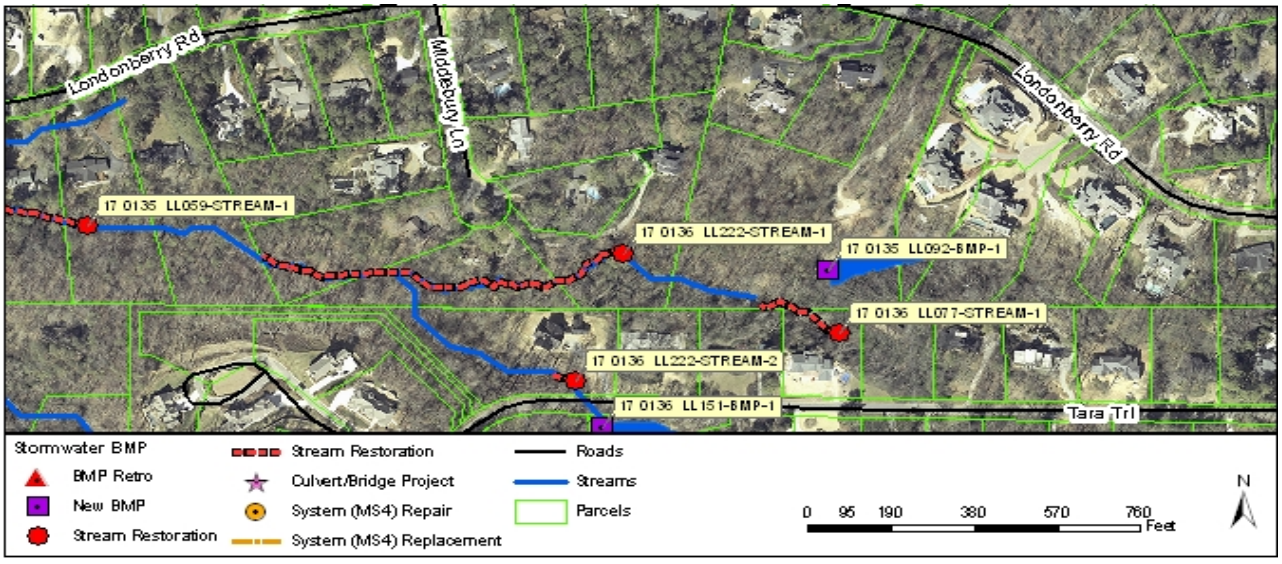

Figure 1 Plan View of Project with Aerial Photography

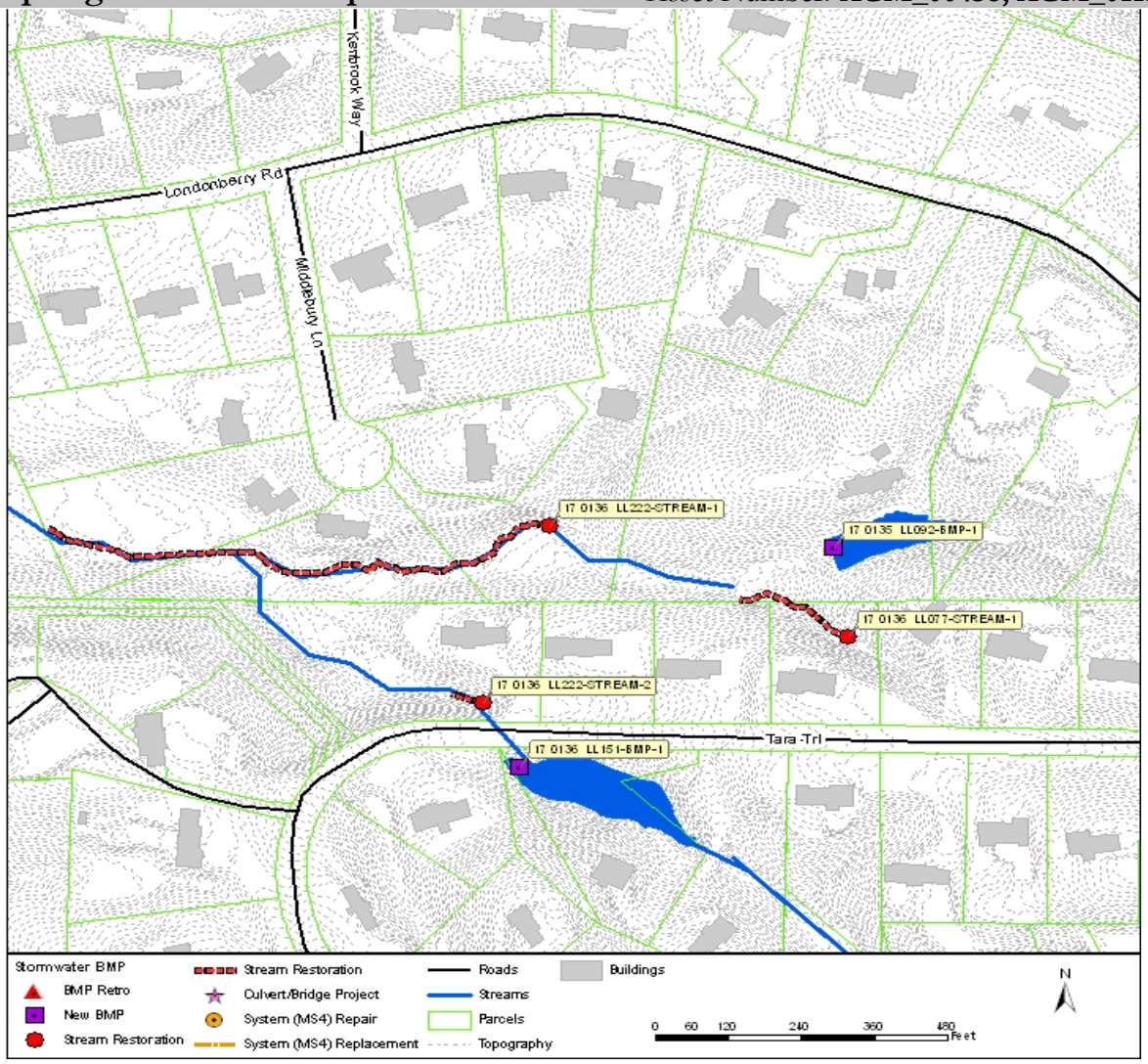

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	691	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
	Woods - Grass Combination		CP Volume:	N/A	ft^3
	Fair		25-Year Volume:	N/A	ft^3
			Stream Project Length:	923	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	50-75% LB	50-75% RB
Drainage Area:	33.6	acres	Bank Height:	2.5ft LB	2.5ft RB
FEMA Flood Hazard Zone:	X, X500		Existing Risk:	30	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	12	
Flood Width Over Road:	N/A	ft	Change in Risk:	19	
Structure Type:	N/A		**Benefit/Cost:**	3.08	
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 0136 LL222-STREAM-2**
Asset Number: **AGM_01102, AGM_01124**

Benefit/Cost:	3.41	Address:	377 Tara Trl Nw
Estimated Cost:	$104,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 4 stream restoration is proposed along both banks. The area of concern is downstream of a culvert. Both banks are very steep and left bank has a high erosion score of 75-100%. 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 and decrease suspended sediment load. Restore proper dimension, pattern, and profile so the channel will move water and sediment without aggrading or degrading while also considering flood hazards.

Photos and Maps

Photo 1

Photo 2

No photo available

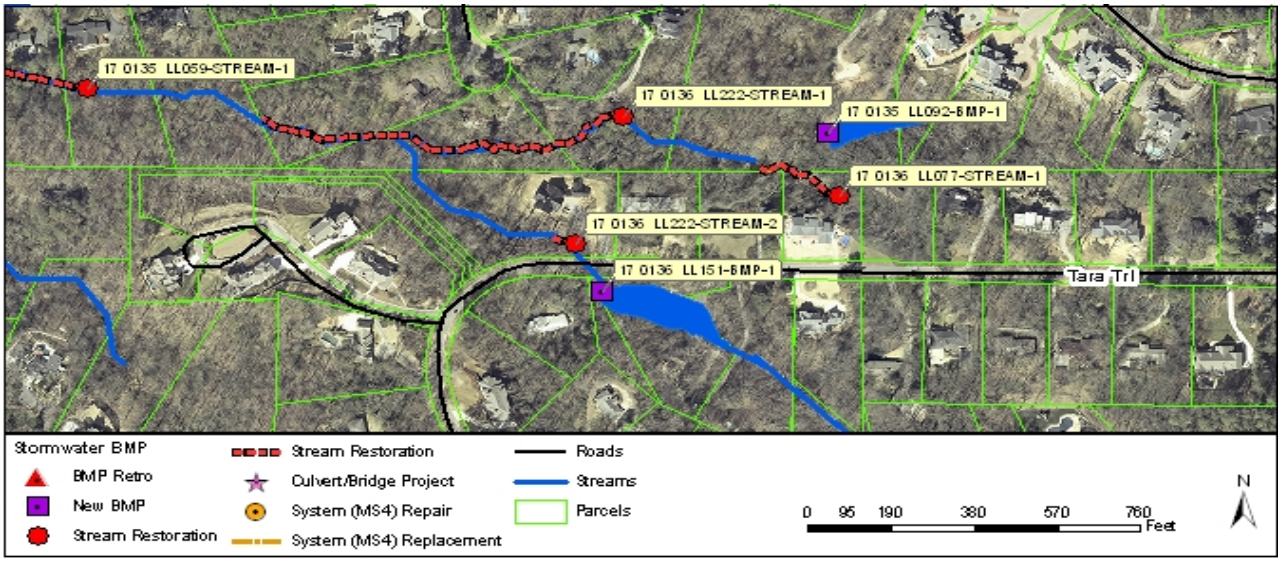

Figure 1 Plan View of Project with Aerial Photography

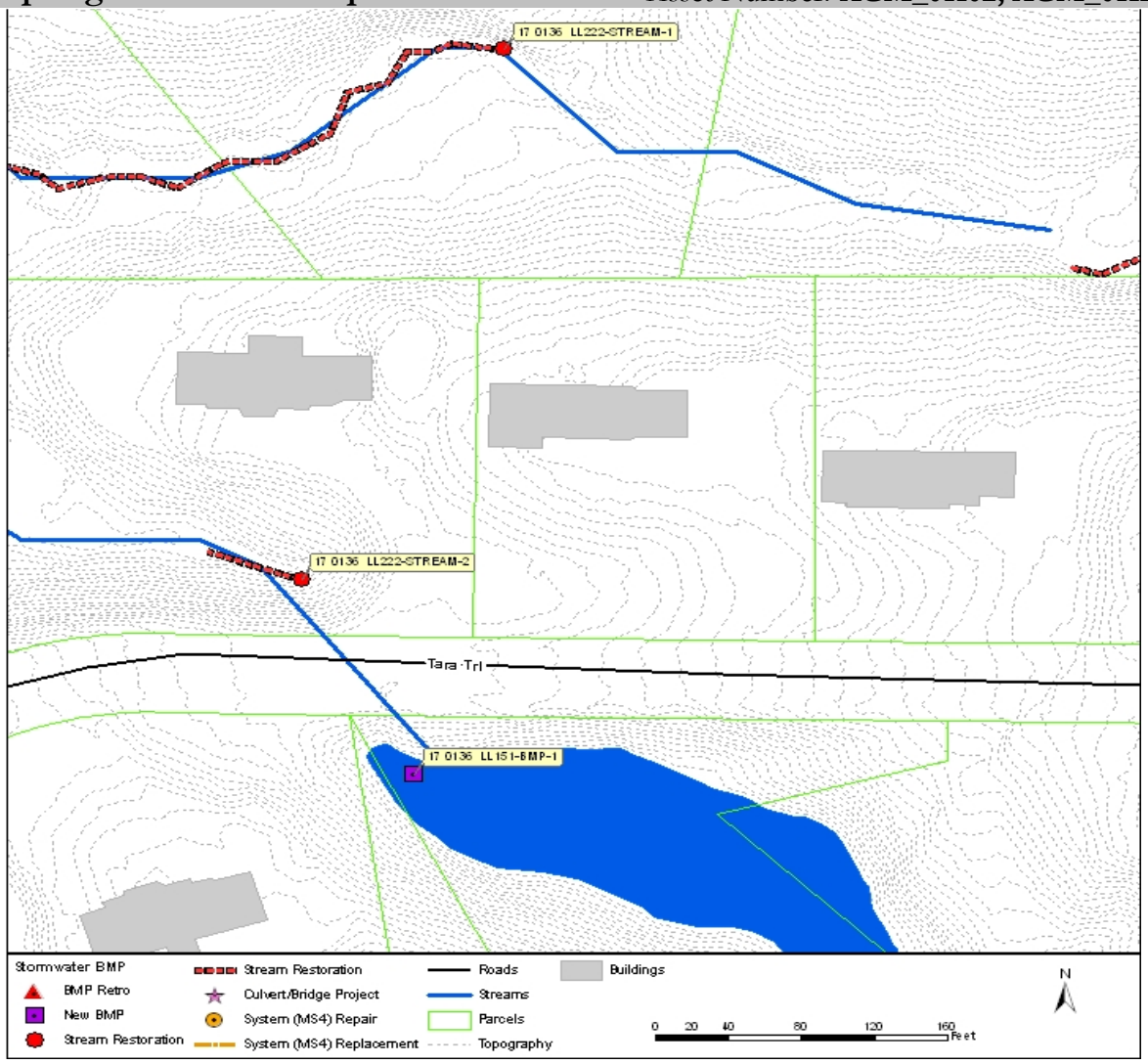

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6	
Asset Ownership:	Not Applicable	
Parcel Ownership:	Private	
Land Use:	Residential - 1 acre lot size	
TMDL Stream(FecalColiform):	Y	
TMDL Stream (Biota):	Y	
Drainage Area:	53.9	acres
FEMA Flood Hazard Zone:	X500	
Max Flood Depth Over Road:	N/A	ft
Flood Width Over Road:	N/A	ft
Structure Type:	N/A	
Pipe Size:	N/A	ft
Structure/Pipe Age:	N/A	
Structure/Pipe Conditions:	N/A	

TSS Yield:	308	lb/ac/yr
Existing Volume:	N/A	ft^3
Potential Volume:	N/A	ft^3
WQ Volume:	N/A	ft^3
CP Volume:	N/A	ft^3
25-Year Volume:	N/A	ft^3
Stream Project Length:	55	ft
Stream Order:	1	
Bank Stability (% exposed):	75-100% LB	50-75% RB
Bank Height:	3.5ft LB	3.5ft RB
Existing Risk:	19	
Proposed Risk:	9	
Change in Risk:	10	
Benefit/Cost:	3.41	

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0162 LL141-BMP-1**
Asset Number: **AGM_00917**

Benefit/Cost:	0.73	Address:	4615 Northside Dr Nw
Estimated Cost:	$438,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre area near Northside Dr Nw. 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

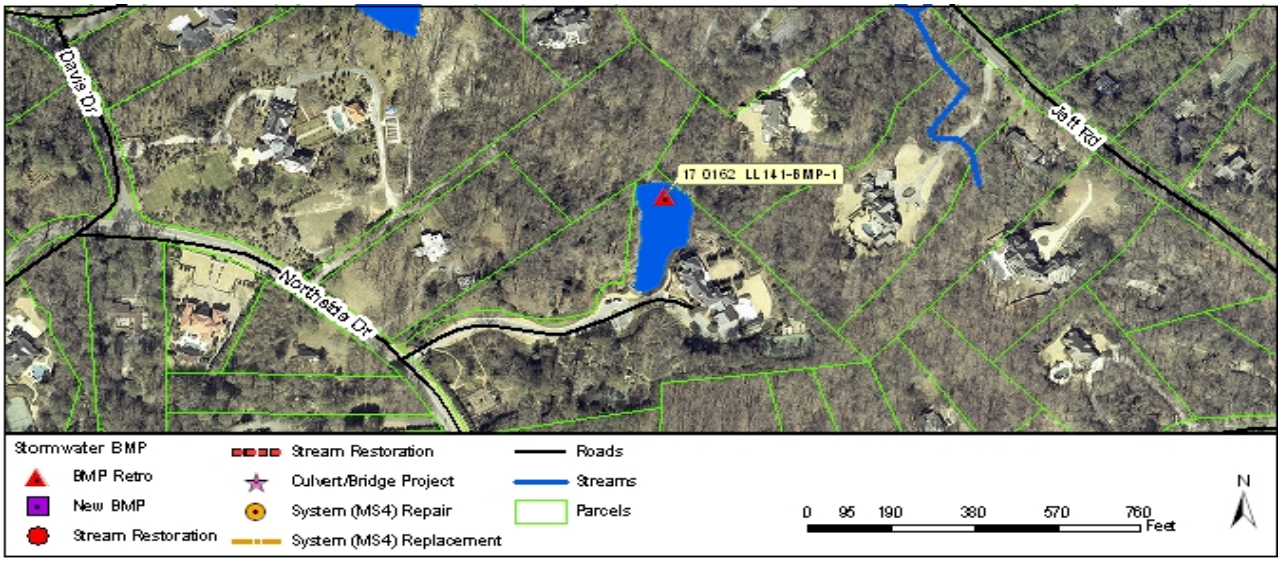

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0162 LL141-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_00917**

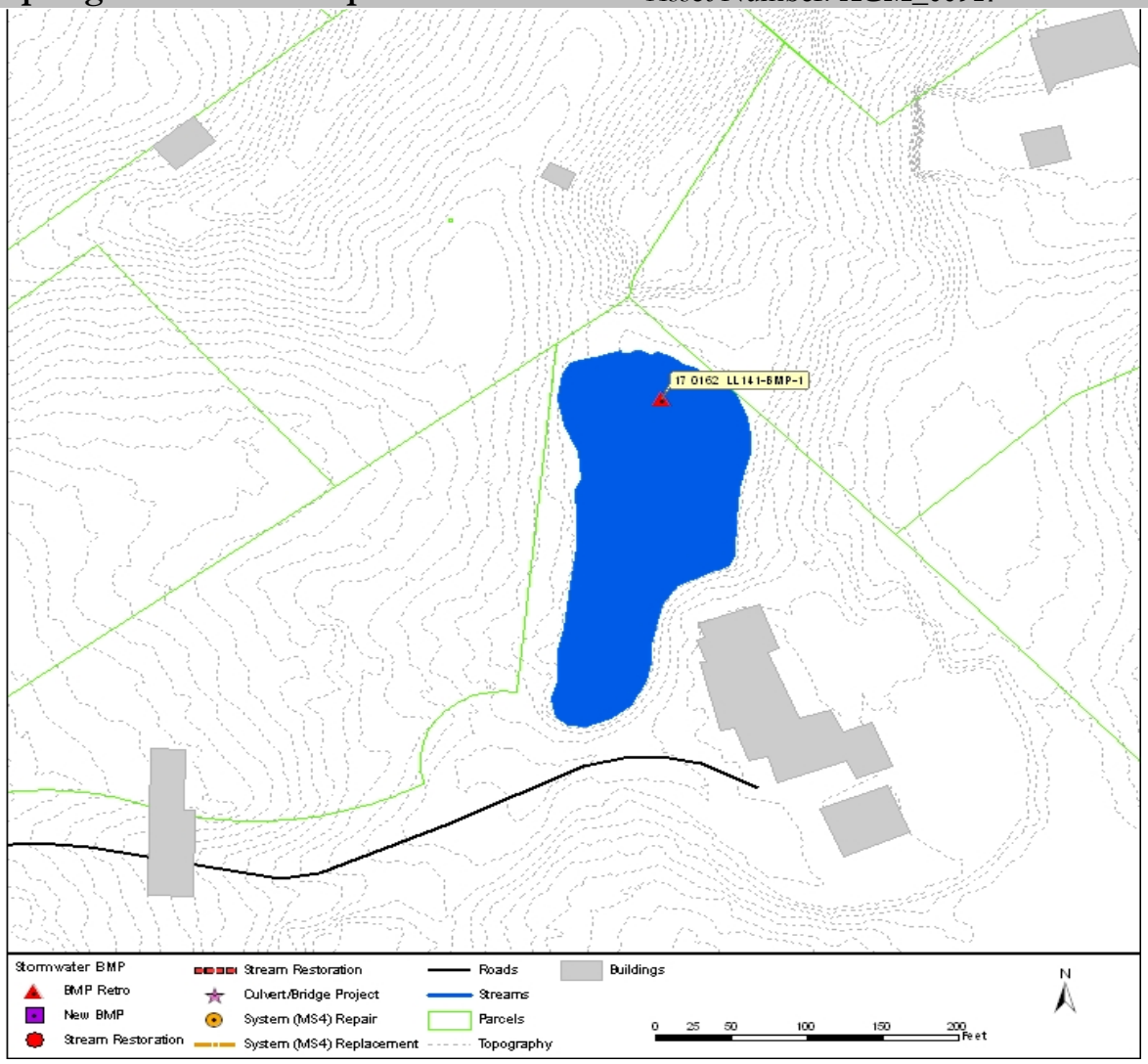

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	25	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	181,791	ft^3
Parcel Ownership:	Private		Potential Volume:	181,791	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	16,816	ft^3
			CP Volume:	54,788	ft^3
			25-Year Volume:	53,900	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	15.9	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	8	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	5	
Flood Width Over Road:	N/A	ft	Change in Risk:	3	
Structure Type:	N/A		**Benefit/Cost:**	0.73	
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 0164 LL020-BMP-1**
Asset Number: **AGM_07113**

Benefit/Cost:	1.82	Address:	5350 Powers Ferry Rd Nw
Estimated Cost:	$783,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre area near Powers Ferry Rd Nw. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24210108. 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 and expanding the BMP's footprint to increase capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

Photo 2

No photo available

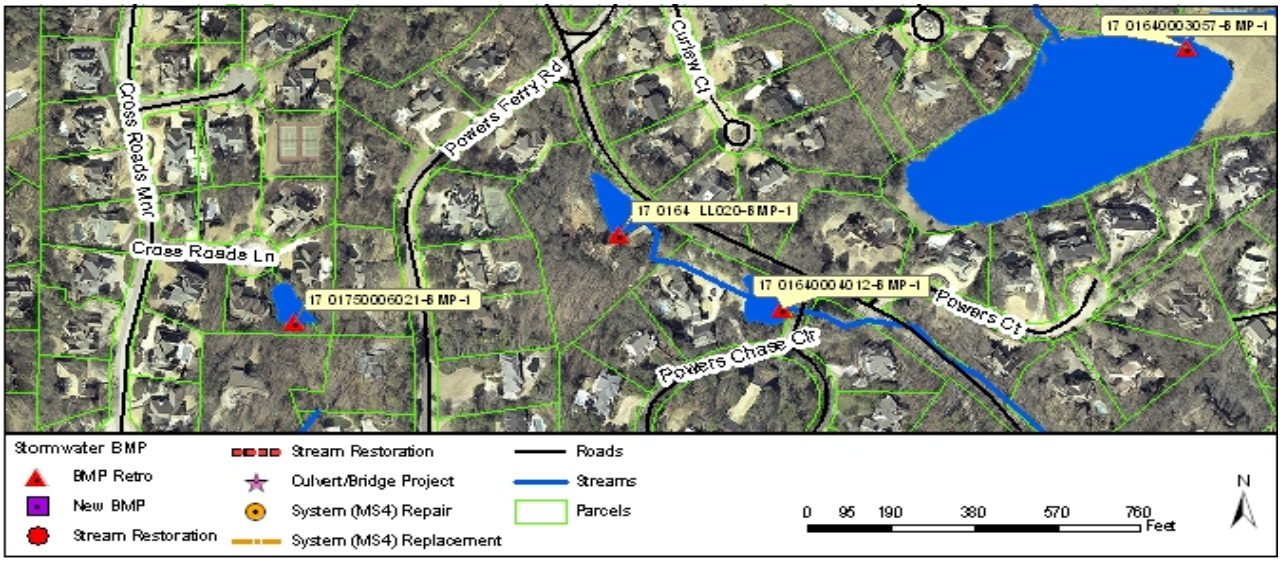

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0164 LL020-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_07113**

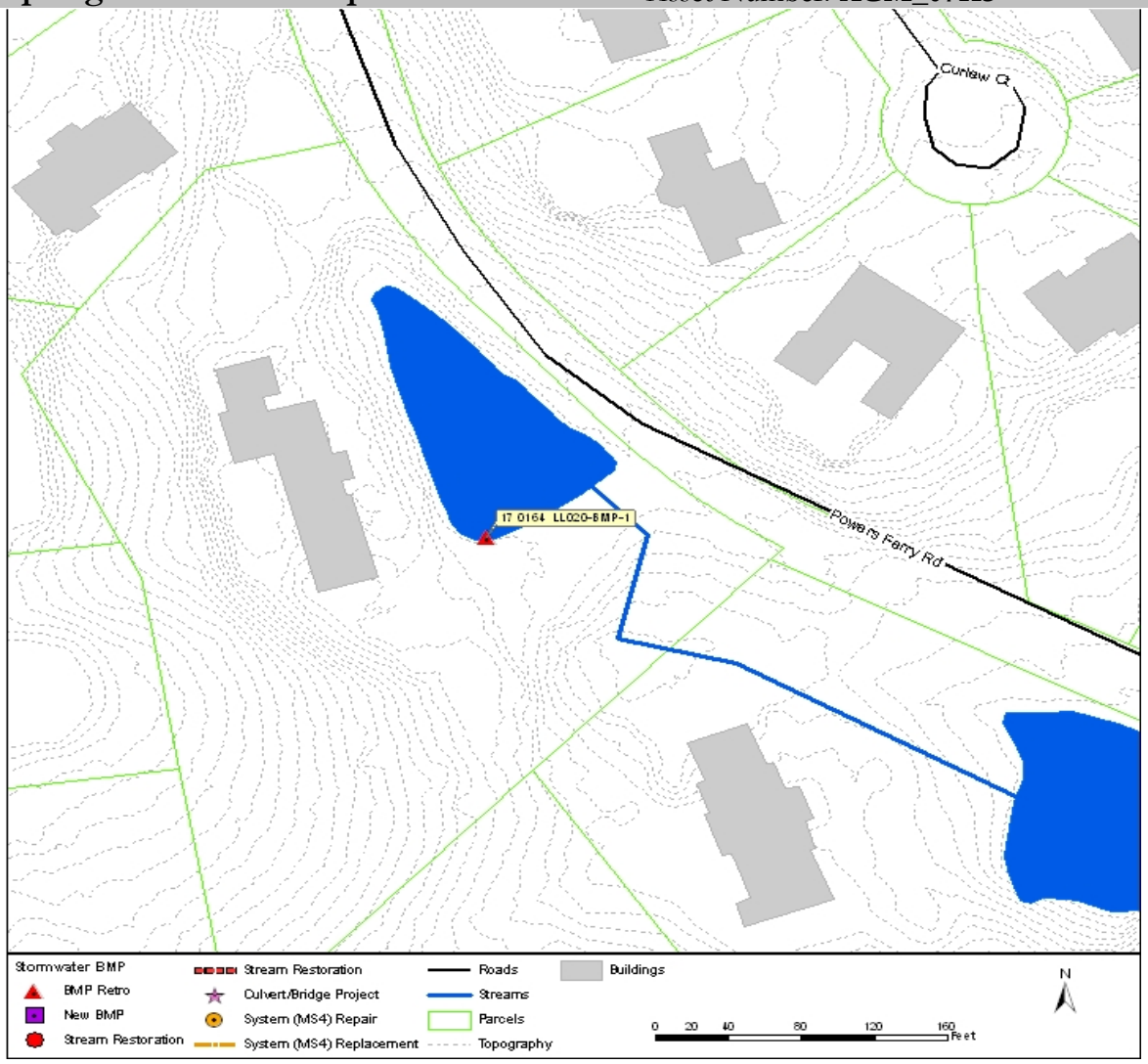

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	80	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	49,172	ft^3
Parcel Ownership:	Private		Potential Volume:	80,531	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	41,453	ft^3
			CP Volume:	111,052	ft^3
			25-Year Volume:	121,228	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	26.7	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	24	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	13	
Flood Width Over Road:	N/A	ft	Change in Risk:	11	
Structure Type:	N/A		**Benefit/Cost:**	1.82	
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 0164 LL068-STREAM-1**
Asset Number: **AGM_07128, AGM_06839**

Benefit/Cost:	6.78	Address:	0 Powers Ferry Rd Nw
Estimated Cost:	$264,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 4 stream restoration is proposed along the right bank. The right bank has collapsed and has encroached on property. A structure (home) is very near edge of right bank where the bank angle is greater than 90 degrees. 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 prevent property damage. 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.

Photos and Maps

Photo 1

Photo 2

No photo available

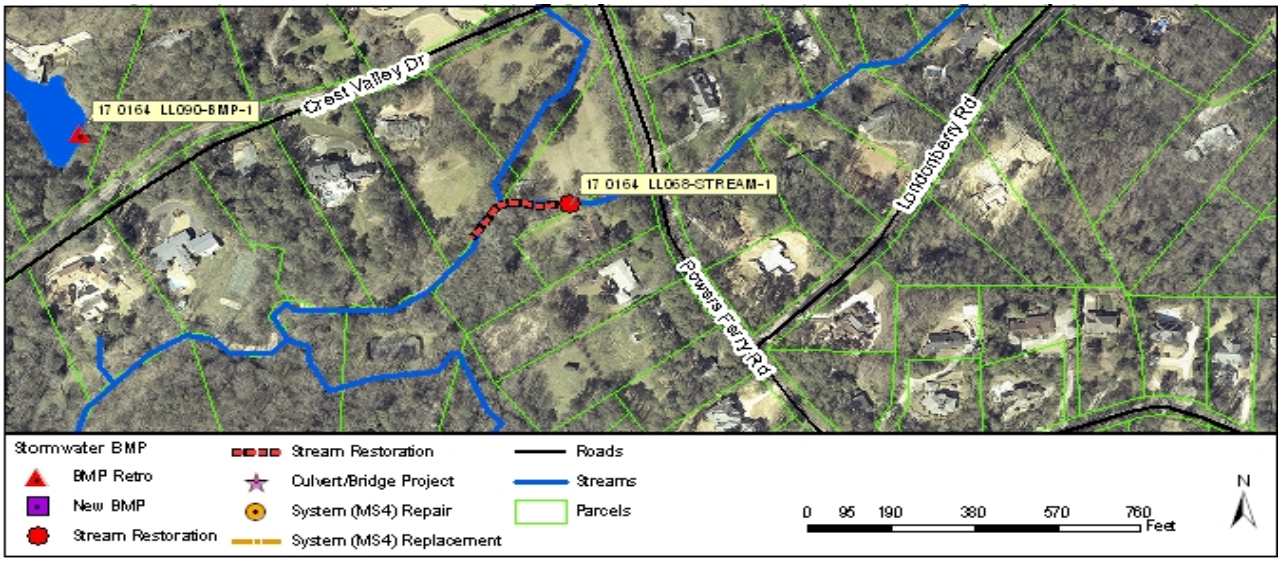

Figure 1 Plan View of Project with Aerial Photography

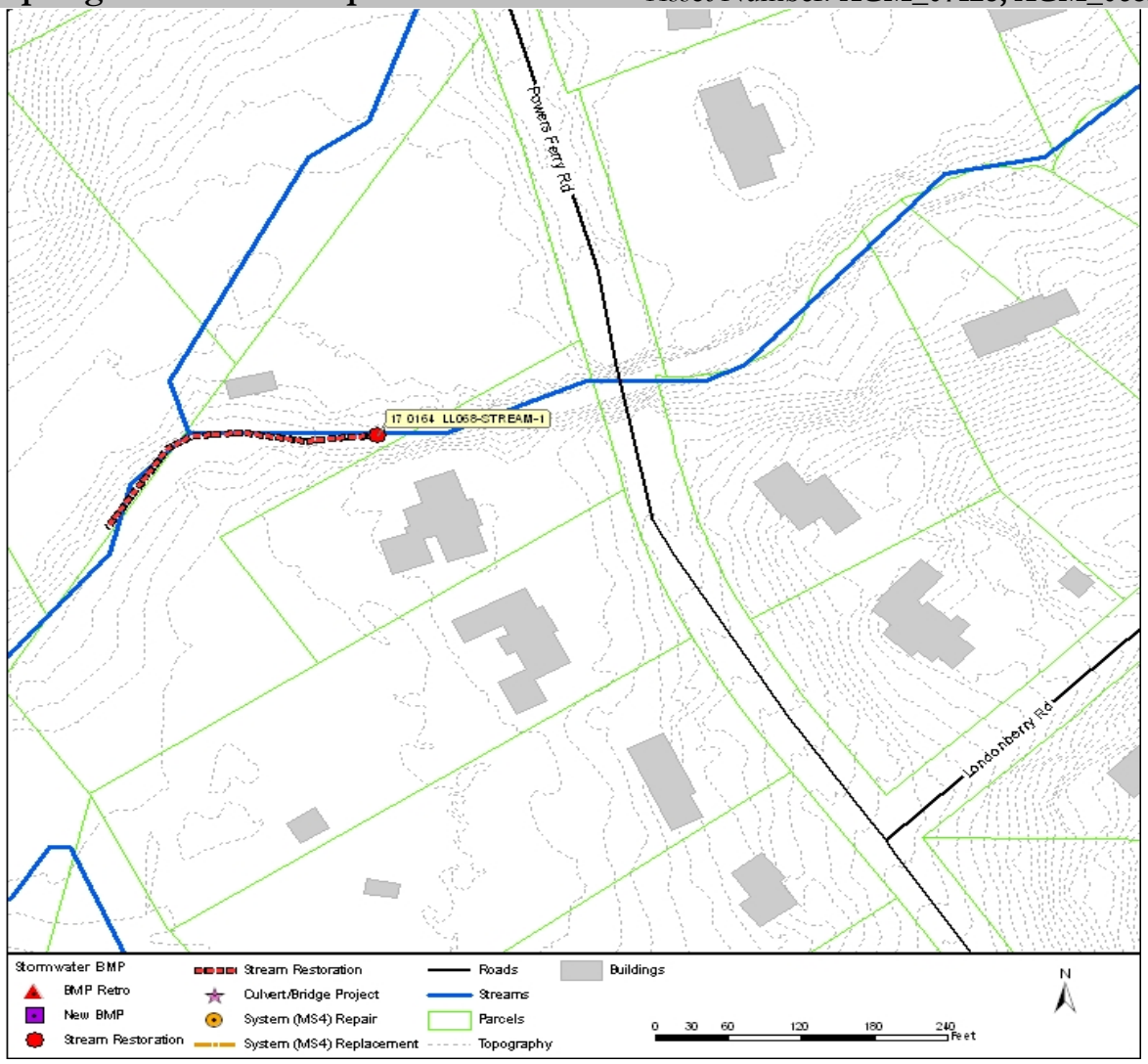

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	1,187	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		WQ Volume:	N/A	ft^3
			CP Volume:	N/A	ft^3
			25-Year Volume:	N/A	ft^3
			Stream Project Length:	268	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	3	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	0-25% LB	75-100% RB
Drainage Area:	2,822.5 acres		Bank Height:	9ft LB	9ft RB
FEMA Flood Hazard Zone:	AE-FLOODWAY		Existing Risk:	38	
Max Flood Depth Over Road:	N/A ft		Proposed Risk:	10	
Flood Width Over Road:	N/A ft		Change in Risk:	27	
Structure Type:	N/A		**Benefit/Cost:**	6.78	
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: **17 0164 LL073-STREAM-1**
Asset Number: **AGM_07137, AGM_06995**

Benefit/Cost:	3.60	Address:	5270 New London Trace
Estimated Cost:	$870,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

A level 2 stream restoration is proposed along approximately 800 feet of stream that has rip rap all along right bank. The stream can be moved toward left bank as it is encroaching on properties along the right bank. 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 and decrease suspended sediment load to 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.

Photos and Maps

Photo 1

Photo 2

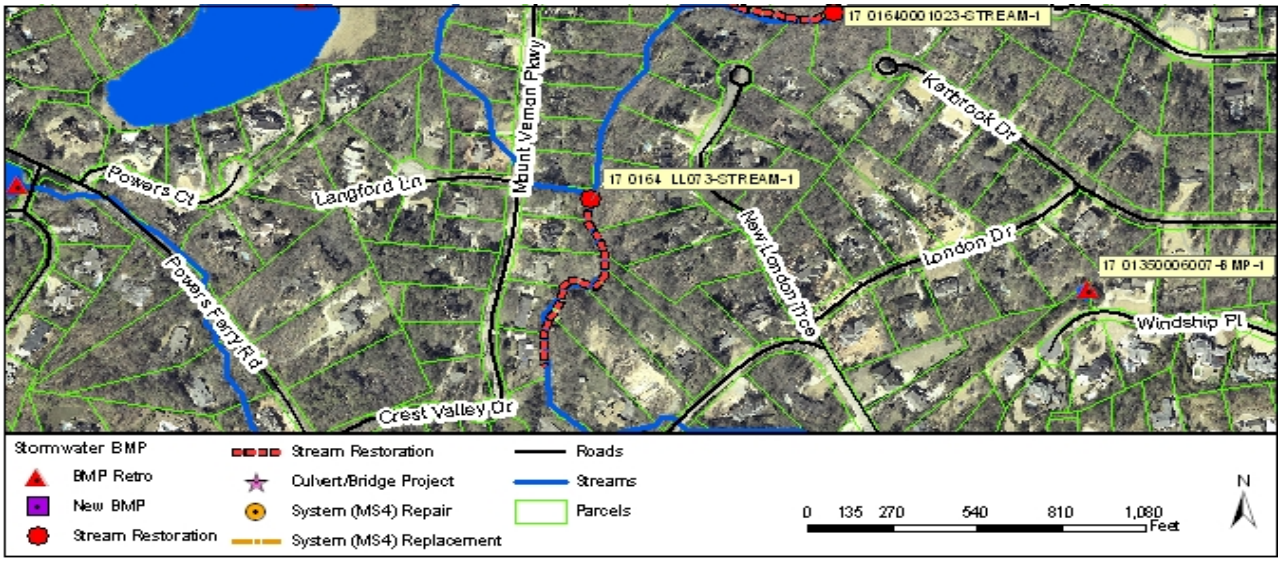

Figure 1 Plan View of Project with Aerial Photography

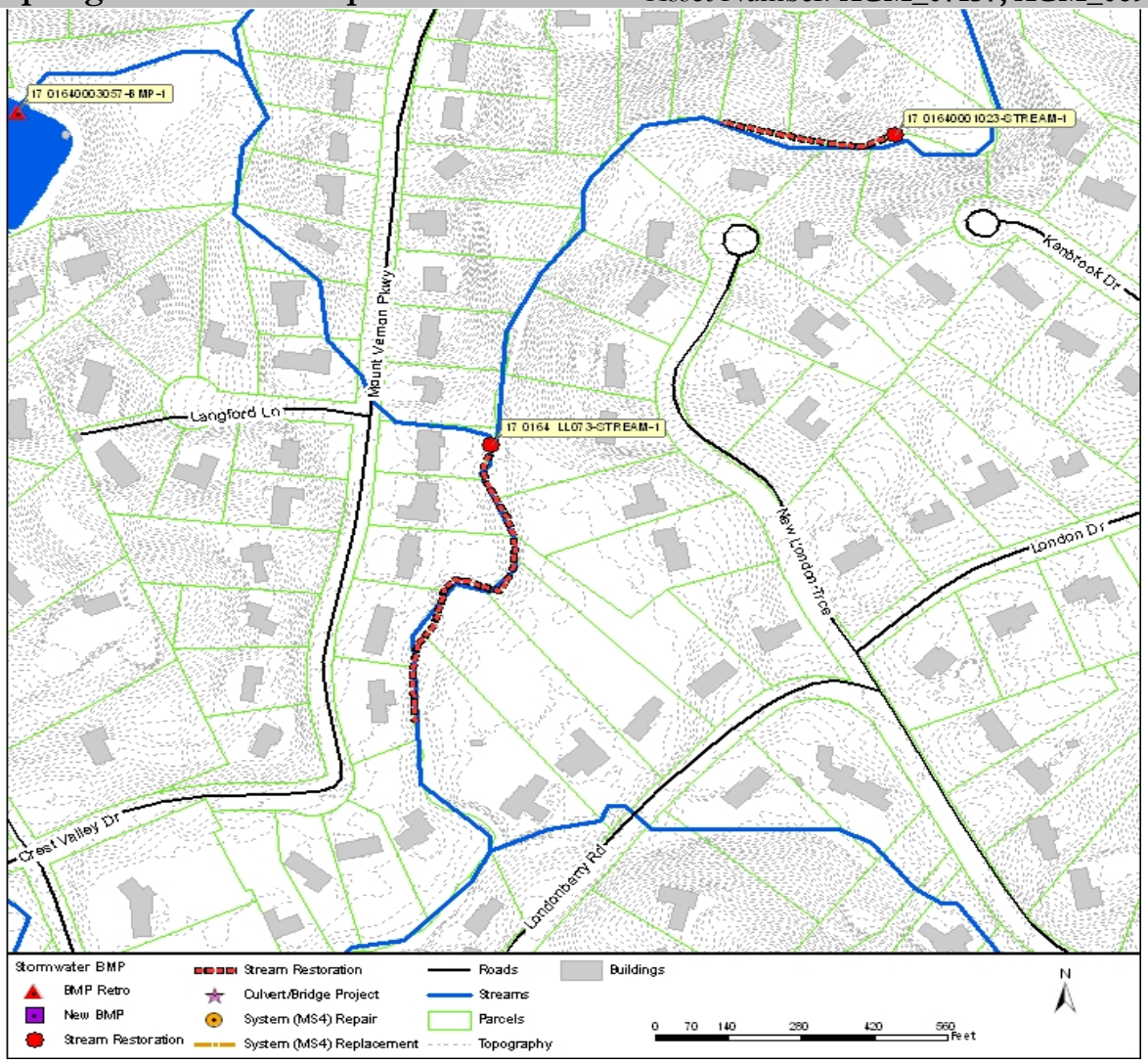

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	1,147	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:	770	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	3	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	50-75% LB	0-25% RB
Drainage Area:	2,531.0 acres		Bank Height:	6ft LB	6ft RB
FEMA Flood Hazard Zone:	AE-FLOODWAY		Existing Risk:	33	
Max Flood Depth Over Road:	N/A ft		Proposed Risk:	11	
Flood Width Over Road:	N/A ft		Change in Risk:	22	
Structure Type:	N/A		**Benefit/Cost:**	3.60	
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 0164 LL090-BMP-1**
Asset Number: **AGM_07082**

Benefit/Cost:	0.89	Address:	875 Crest Valley Dr Nw
Estimated Cost:	$429,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 2 acre area near Crest Valley Dr Nw. This project was included in the previous CIP as SS-BMP-24210107. 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

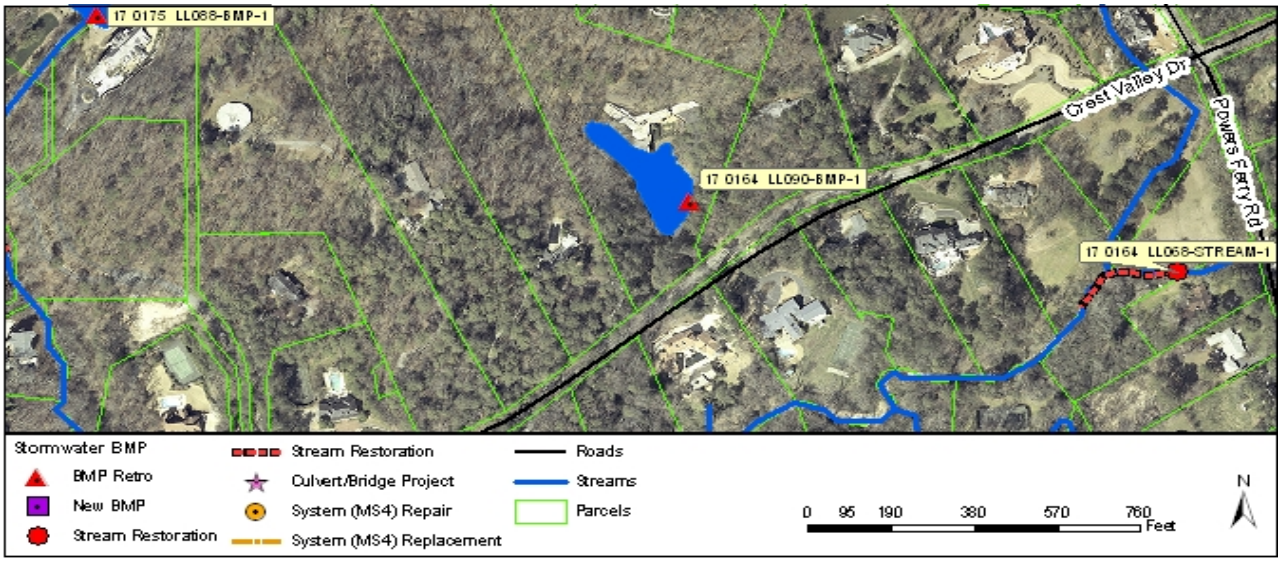

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0164 LL090-BMP-1**
Asset Number: **AGM_07082**

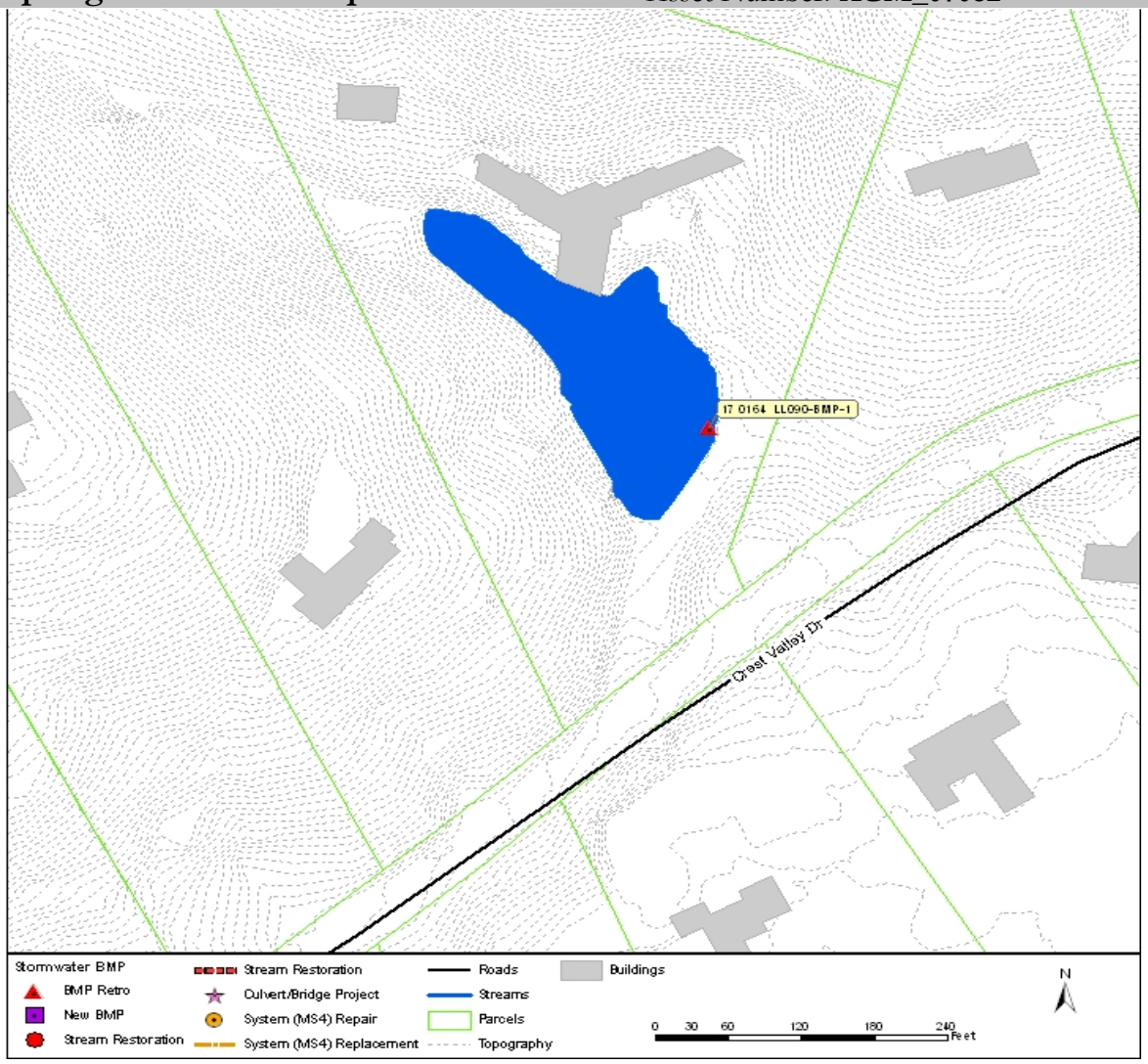

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	16	lb/ac/yr
Asset Ownership:	9: To Be Determined		Existing Volume:	194,981	ft^3
Parcel Ownership:	Private		Potential Volume:	194,981	ft^3
Land Use:	Residential - 2 acre lot size; Water		WQ Volume:	16,876	ft^3
			CP Volume:	60,388	ft^3
			25-Year Volume:	50,306	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	20.7	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	9	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	6	
Flood Width Over Road:	N/A	ft	Change in Risk:	4	
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: **17 0165 LL029-BMP-1**
Asset Number: **AGM_09921**

Benefit/Cost:	4.73	Address:	850 Mount Vernon Hwy Nw
Estimated Cost:	$269,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Commercial area near Mount Vernon Hwy Nw. 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 a portion of the channel protection benefits by converting it to a micropool extended detention pond and redesigning the control structure. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

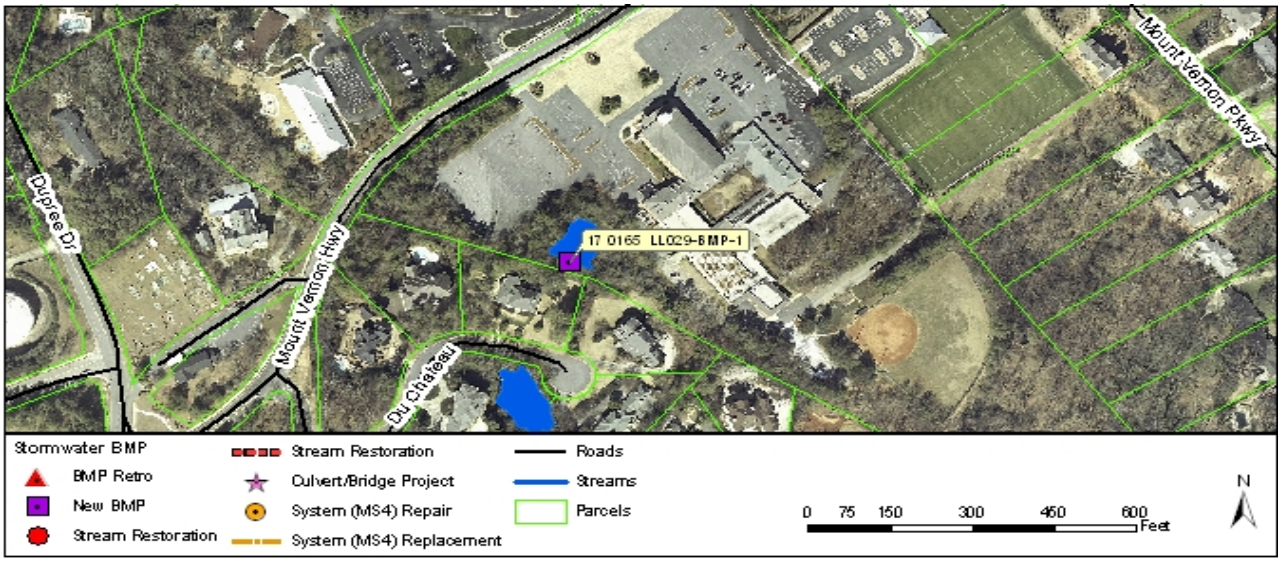

Figure 1 Plan View of Project with Aerial Photography

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	523	lb/ac/yr
Asset Ownership:	2: County		Existing Volume:	44,196	ft^3
Parcel Ownership:	Private		Potential Volume:	44,196	ft^3
Land Use:	Commercial		WQ Volume:	15,902	ft^3
			CP Volume:	53,180	ft^3
			25-Year Volume:	69,275	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	5.3	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	28	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	9	
Flood Width Over Road:	N/A	ft	Change in Risk:	19	
Structure Type:	N/A		**Benefit/Cost:**	4.73	
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 0165 LL046-BMP-1**
Asset Number: **AGM_09991**

Benefit/Cost:	2.82	Address:	105 Parc Du Chateau
Estimated Cost:	$453,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 2 acre area near Parc Du Chateau. This project was included in the previous CIP as SS-BMP-24220302. 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

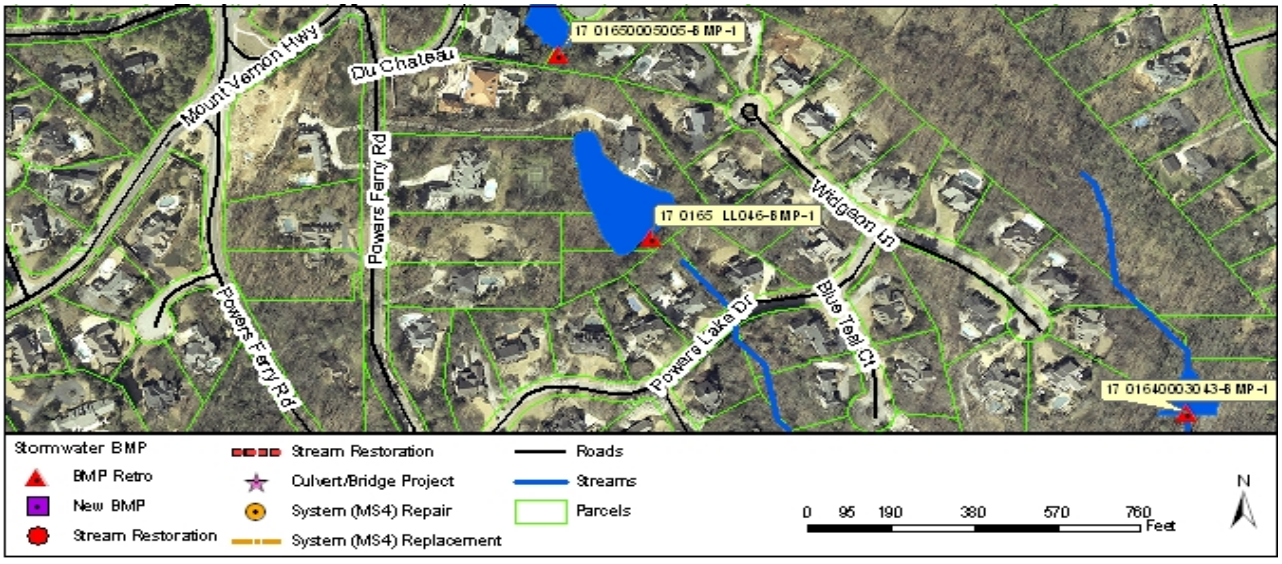

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0165 LL046-BMP-1**

Sandy Springs Watershed Improvement Plan Asset Number: **AGM_09991**

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	76	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	262,031	ft^3
Parcel Ownership:	Private		Potential Volume:	262,031	ft^3
Land Use:	Residential - 2 acre lot size; Water		WQ Volume:	48,805	ft^3
			CP Volume:	145,136	ft^3
			25-Year Volume:	172,052	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	24.4	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	23	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	12	
Flood Width Over Road:	N/A	ft	Change in Risk:	11	
Structure Type:	N/A		**Benefit/Cost:**	2.82	
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 0175 LL086-STREAM-1**
Asset Number: **AGM_08460, AGM_07430**

Benefit/Cost: 4.56
Estimated Cost: $367,000
Address: 969 Crest Valley Dr
Study Area: Long Island Creek
Proposed Project Type: Stream Restoration

Project Description

Level 3 stream restoration is proposed along approximately 350 foot reach where the stream has incised and widened. Both banks have high erosion scores of 75-100%. A Level 3 approach includes restoring the degraded channel to a stable condition at existing grade and providing a floodprone area within the channel. 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 and decrease suspended sediment load to 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.

Photos and Maps

Photo 1

Photo 2

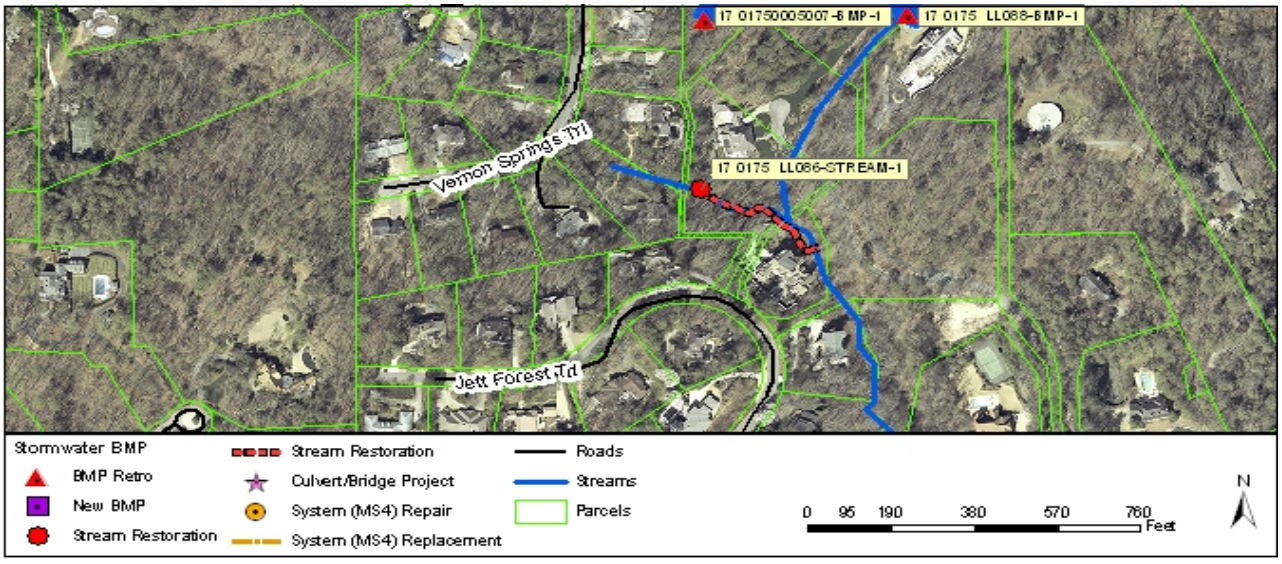

Figure 1 Plan View of Project with Aerial Photography

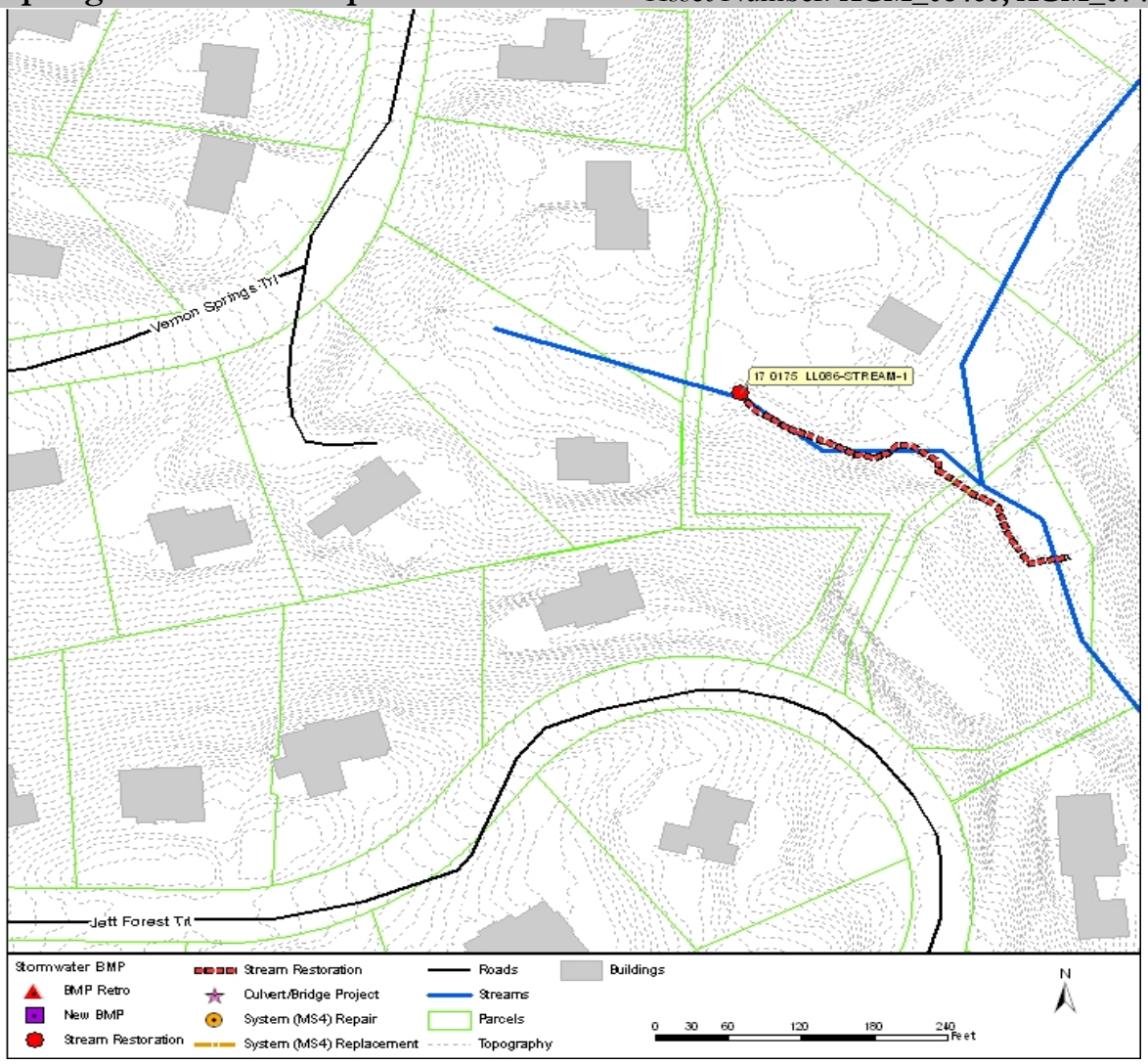

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6	
Asset Ownership:	Not Applicable	
Parcel Ownership:	Private	
Land Use:	Residential - 1 acre lot size; Residential - 2 acre lot size	
TMDL Stream(FecalColiform):	Y	
TMDL Stream (Biota):	Y	
Drainage Area:	63.5	acres
FEMA Flood Hazard Zone:	X500	
Max Flood Depth Over Road:	N/A	ft
Flood Width Over Road:	N/A	ft
Structure Type:	N/A	
Pipe Size:	N/A	ft
Structure/Pipe Age:	N/A	
Structure/Pipe Conditions:	N/A	

TSS Yield:	156	lb/ac/yr
Existing Volume:	N/A	ft^3
Potential Volume:	N/A	ft^3
WQ Volume:	N/A	ft^3
CP Volume:	N/A	ft^3
25-Year Volume:	N/A	ft^3
Stream Project Length:	353	ft
Stream Order:	1	
Bank Stability (% exposed):	75-100% LB	75-100% RB
Bank Height:	2ft LB	2ft RB
Existing Risk:	26	
Proposed Risk:	8	
Change in Risk:	18	
Benefit/Cost:	4.56	

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0175 LL088-BMP-1**
Asset Number: **AGM_08439**

Benefit/Cost:	2.21	Address:	0 Crest Valley Dr
Estimated Cost:	$466,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre; Residential - 2 acre area near Crest Valley Dr. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24110205. 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

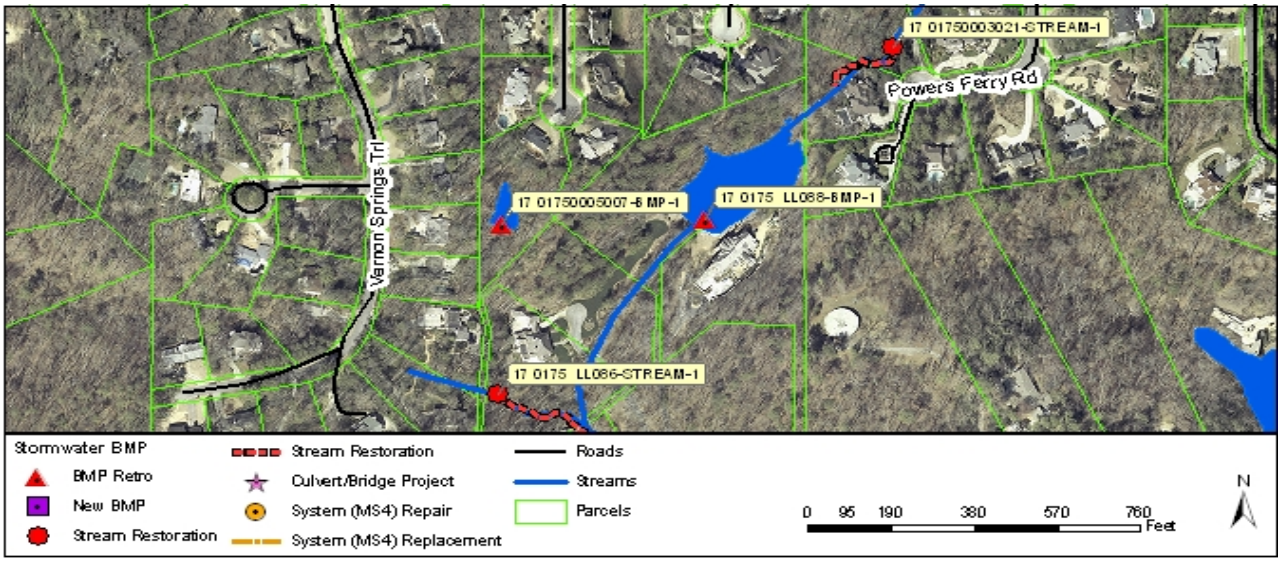

Figure 1 Plan View of Project with Aerial Photography

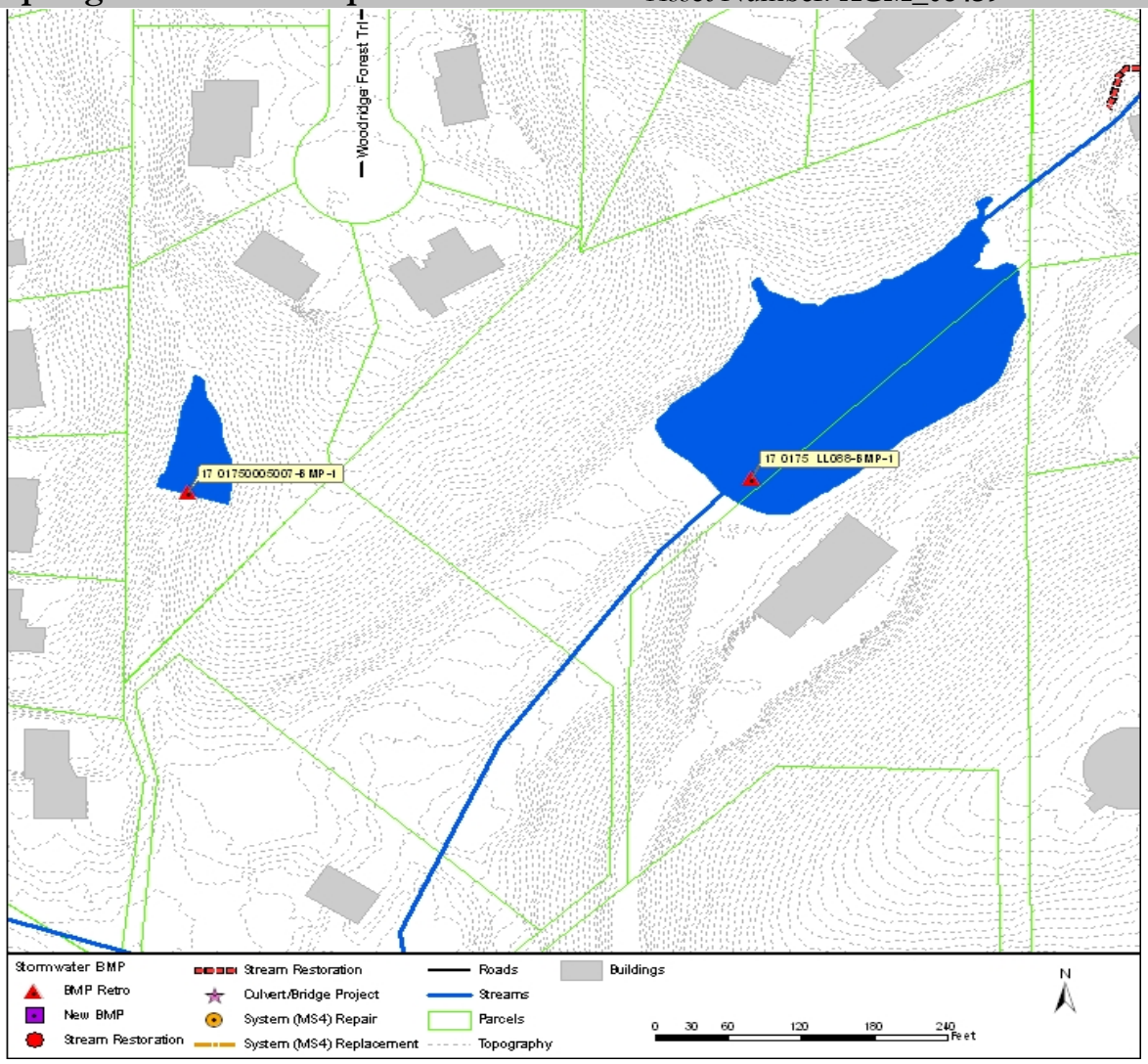

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	357	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	353,190	ft^3
Parcel Ownership:	Private		Potential Volume:	353,190	ft^3
Land Use:	Residential - 1 acre lot size;		WQ Volume:	71,561	ft^3
	Residential - 2 acre lot size;		CP Volume:	184,195	ft^3
	Water		25-Year Volume:	190,510	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	50.8	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	17	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	8	
Flood Width Over Road:	N/A	ft	Change in Risk:	9	
Structure Type:	N/A		**Benefit/Cost:**	2.21	
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 0176 LL079-STREAM-1**
Asset Number: **AGM_07474, AGM_07473**

Benefit/Cost:	3.92	Address:	980 Crest Valley Dr Nw
Estimated Cost:	$1,266,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 3 stream restoration is proposed along approximately 1,300 foot reach where the stream has incised and widened. There is no buffer on either bank and both banks are very steep and have high erosion. Right bank has eroded to edge of property fence. A Level 3 approach includes restoring the degraded channel to a stable condition at existing grade and providing a floodprone area within the channel. 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

Photo 2

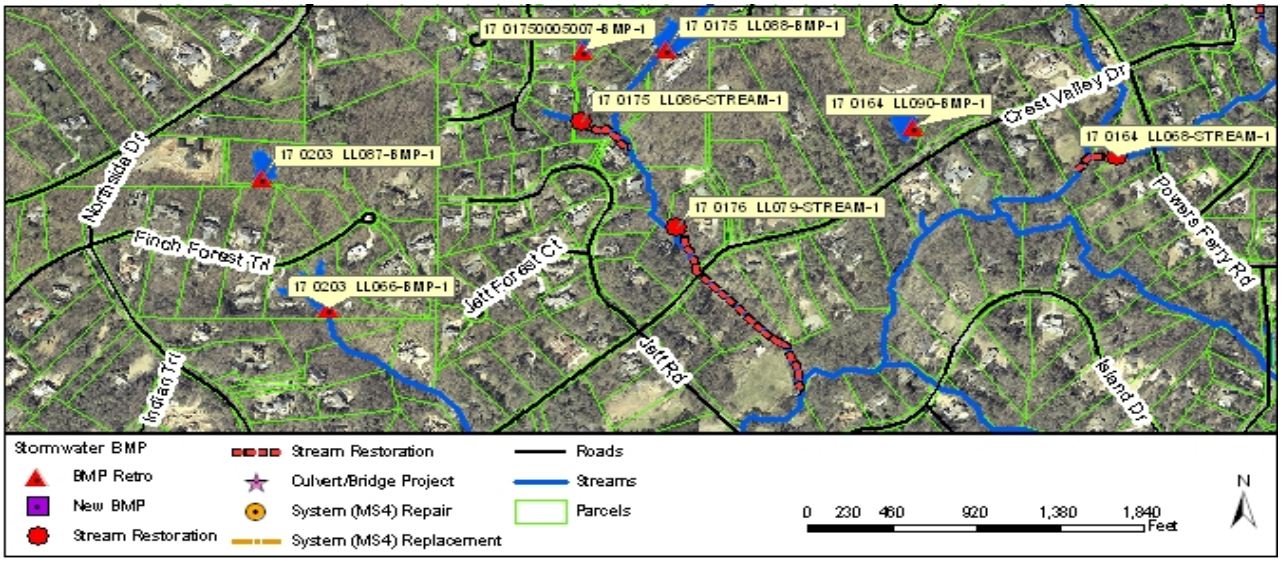

Figure 1 Plan View of Project with Aerial Photography

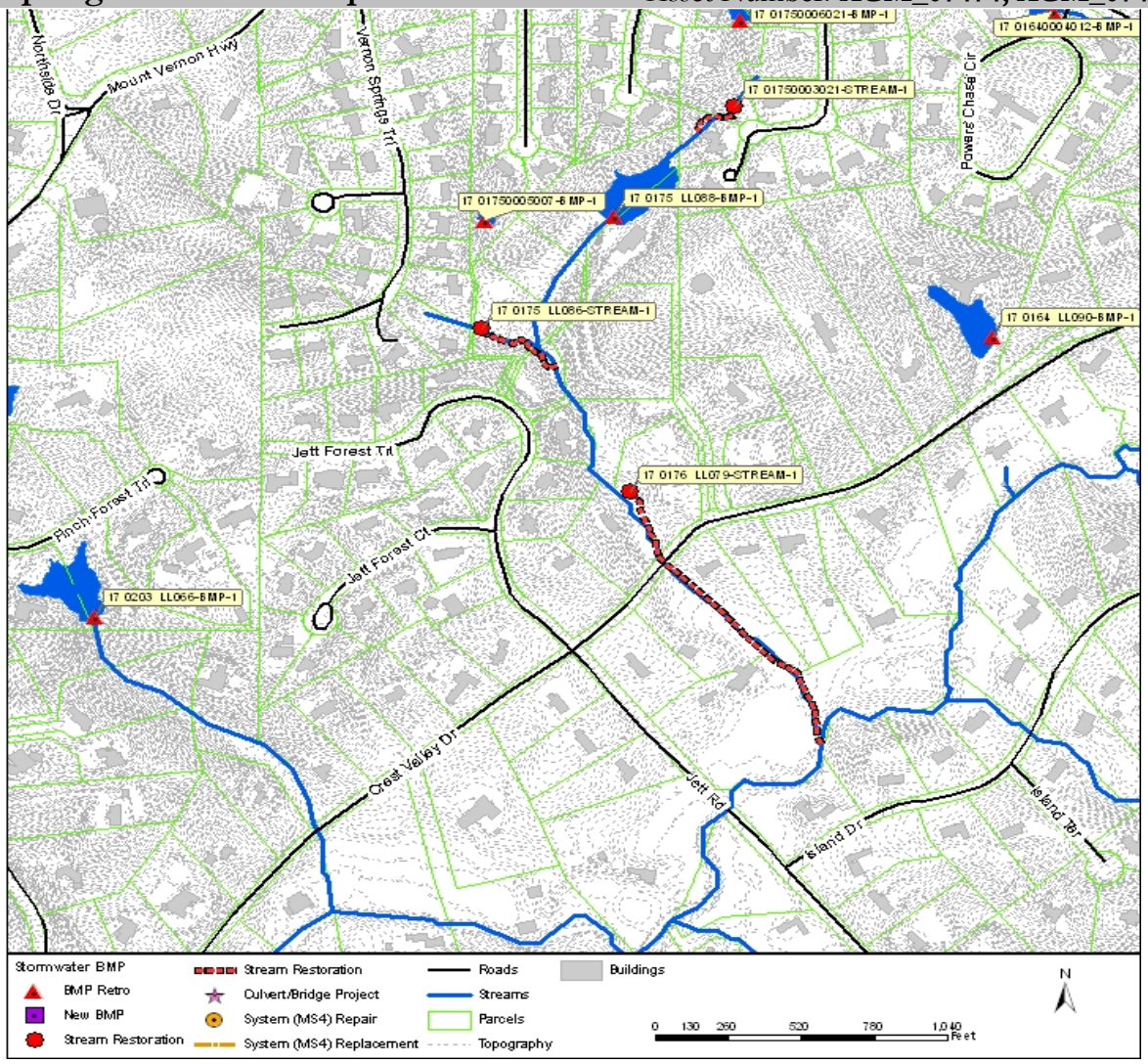

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	533	lb/ac/yr
Asset Ownership:	Not Applicable		Existing Volume:	N/A	ft^3
Parcel Ownership:	City, Private		Potential Volume:	N/A	ft^3
Land Use:	Residential - 2 acre lot size;		WQ Volume:	N/A	ft^3
	Streets - Open		CP Volume:	N/A	ft^3
	Ditch/includes ROW		25-Year Volume:	N/A	ft^3
			Stream Project Length:	1,295	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	50-75% LB	50-75% RB
Drainage Area:	138.9	acres	Bank Height:	3ft LB	3ft RB
FEMA Flood Hazard Zone:	AE, AE-FLOODWAY, X500		Existing Risk:	36	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	9	
Flood Width Over Road:	N/A	ft	Change in Risk:	27	
Structure Type:	N/A		**Benefit/Cost:**	3.92	
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 0177 LL001-BMP-1**
Asset Number: **AGM_06893**

Benefit/Cost:	0.93	Address:	4787 Northside Dr Nw
Estimated Cost:	$347,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 2 acre area near Northside Dr Nw. 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

This proposed retrofit will achieve greater water quality 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

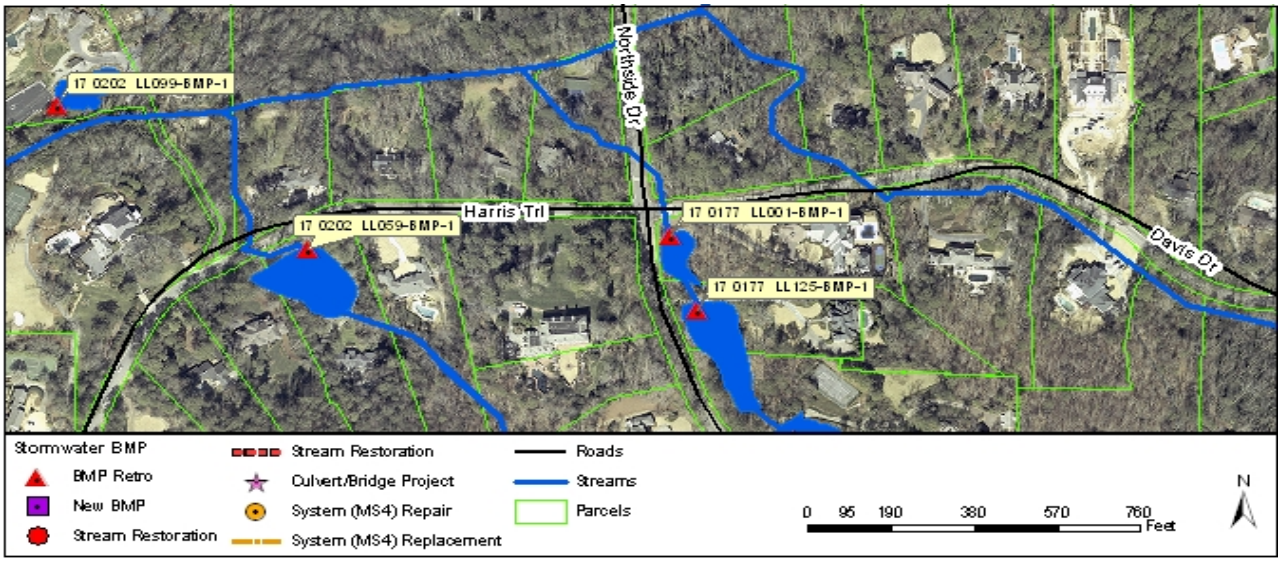

Figure 1 Plan View of Project with Aerial Photography

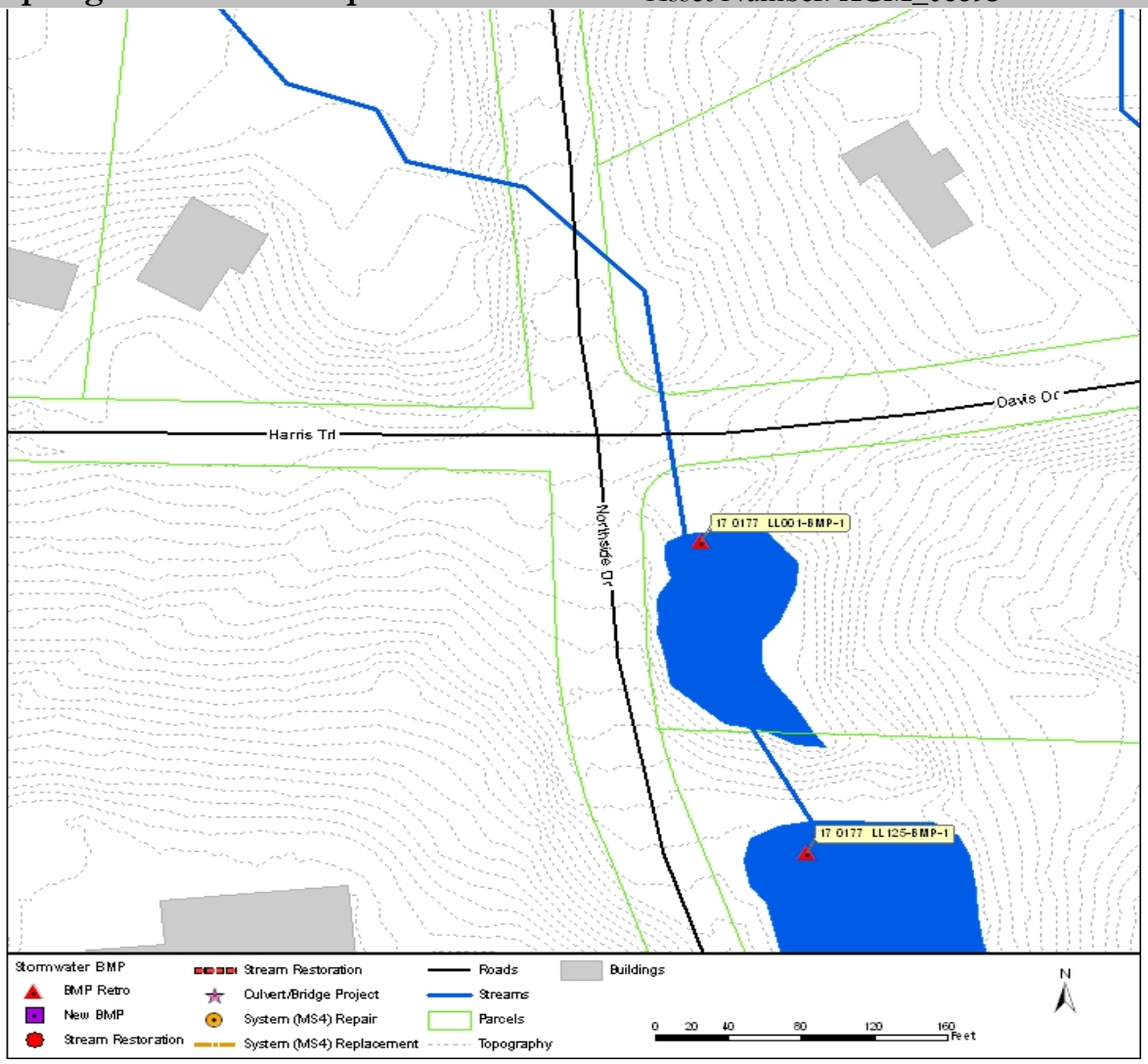

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	48	lb/ac/yr
Asset Ownership:	5: SF Residential-Attach		Existing Volume:	43,678	ft^3
Parcel Ownership:	Private		Potential Volume:	43,678	ft^3
Land Use:	Residential - 2 acre lot size; Water		WQ Volume:	42,188	ft^3
			CP Volume:	122,629	ft^3
			25-Year Volume:	108,717	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	37.4	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500		Existing Risk:	23	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	19	
Flood Width Over Road:	N/A	ft	Change in Risk:	4	
Structure Type:	N/A		**Benefit/Cost:**	0.93	
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 0177 LL077-BMP-1**
Asset Number: **AGM_06909**

Benefit/Cost:	1.60	Address:	4755 Northside Dr Nw
Estimated Cost:	$452,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 2 acre area near Northside Dr Nw. 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

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

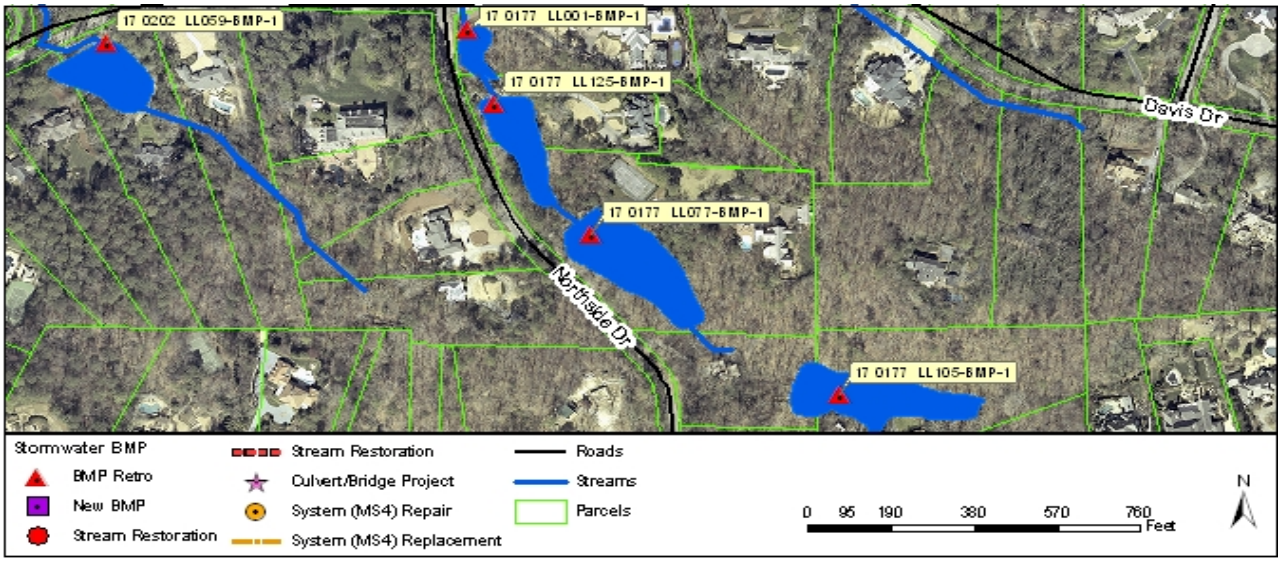

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation

Project ID: **17 0177 LL077-BMP-1**

Sandy Springs Watershed Improvement Plan

Asset Number: **AGM_06909**

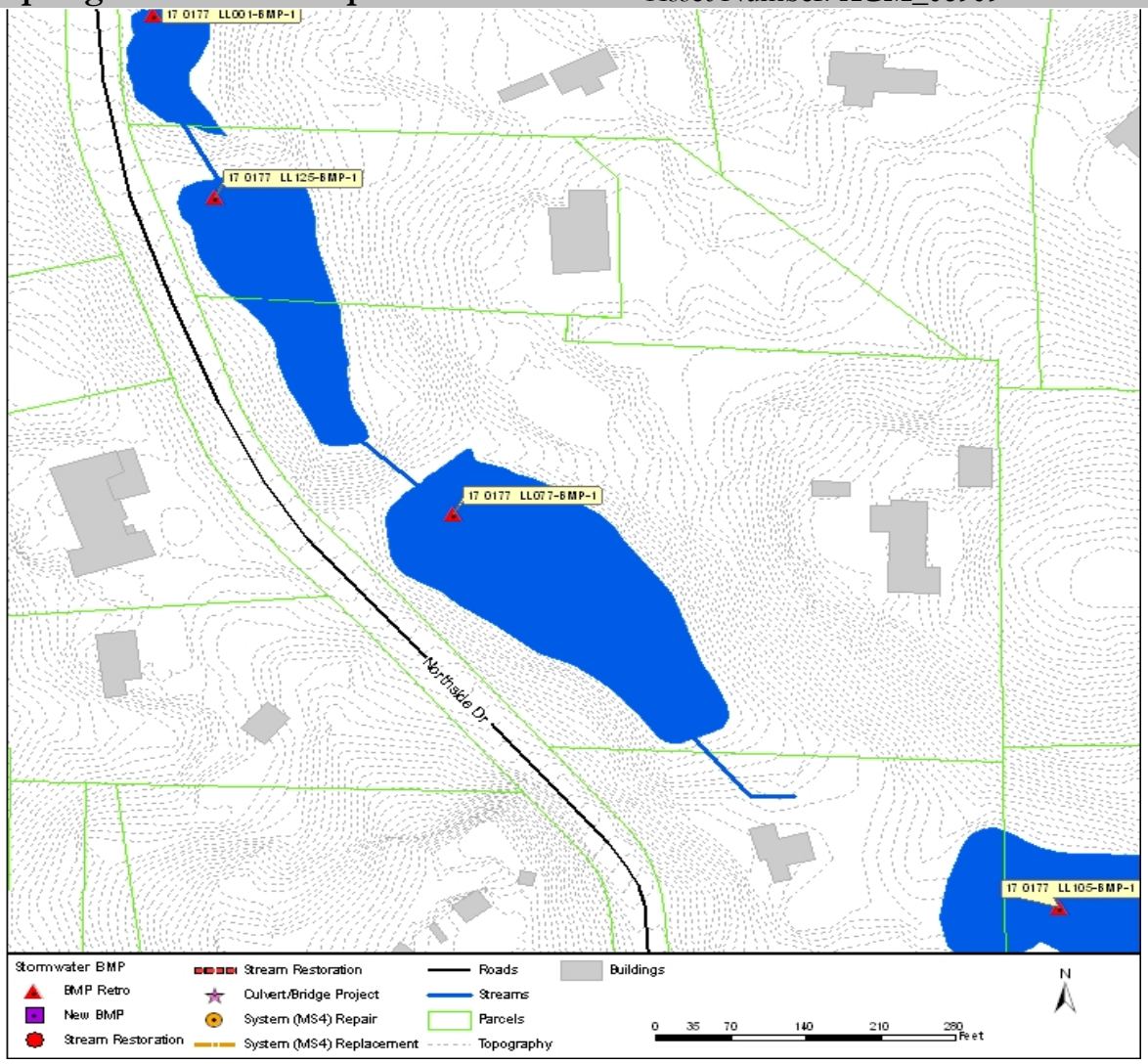

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	67	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	522,468	ft^3
Parcel Ownership:	Private		Potential Volume:	522,468	ft^3
Land Use:	Residential - 2 acre lot size; Water		WQ Volume:	33,556	ft^3
			CP Volume:	96,966	ft^3
			25-Year Volume:	83,023	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	31.1	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	10	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	4	
Flood Width Over Road:	N/A	ft	Change in Risk:	6	
Structure Type:	N/A		**Benefit/Cost:**	1.60	
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 0177 LL105-BMP-1**
Asset Number: **AGM_06941**

Benefit/Cost:	1.40	Address:	4725 Northside Dr Nw
Estimated Cost:	$442,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 2 acre area near Northside Dr Nw. 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

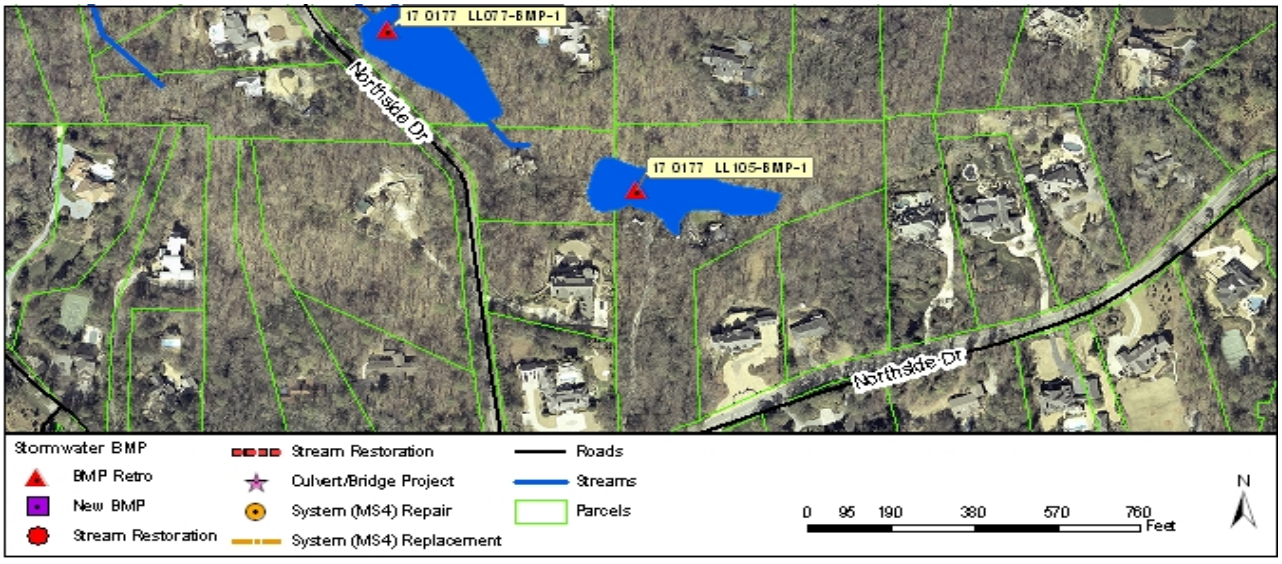

Figure 1 Plan View of Project with Aerial Photography

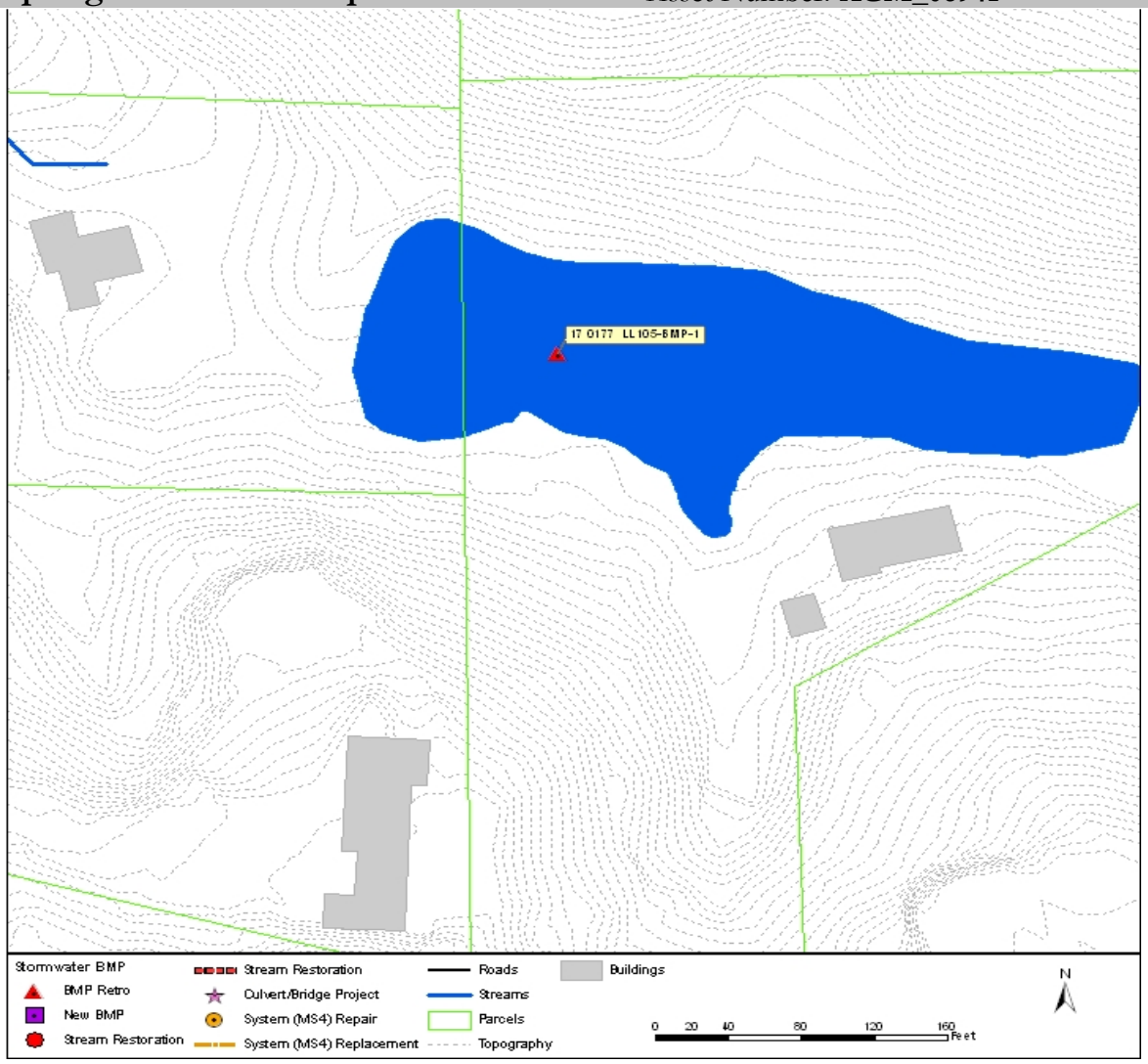

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	24	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	242,509	ft^3
Parcel Ownership:	Private		Potential Volume:	242,509	ft^3
Land Use:	Residential - 2 acre lot size; Water		WQ Volume:	22,562	ft^3
			CP Volume:	62,176	ft^3
			25-Year Volume:	51,377	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	20.8	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	10	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	5	
Flood Width Over Road:	N/A	ft	Change in Risk:	6	
Structure Type:	N/A		**Benefit/Cost:**	1.40	
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 0177 LL125-BMP-1**
Asset Number: **AGM_06916**

Benefit/Cost:	1.12	Address:	4781 Northside Dr
Estimated Cost:	$444,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 2 acre area near Northside Dr. 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

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

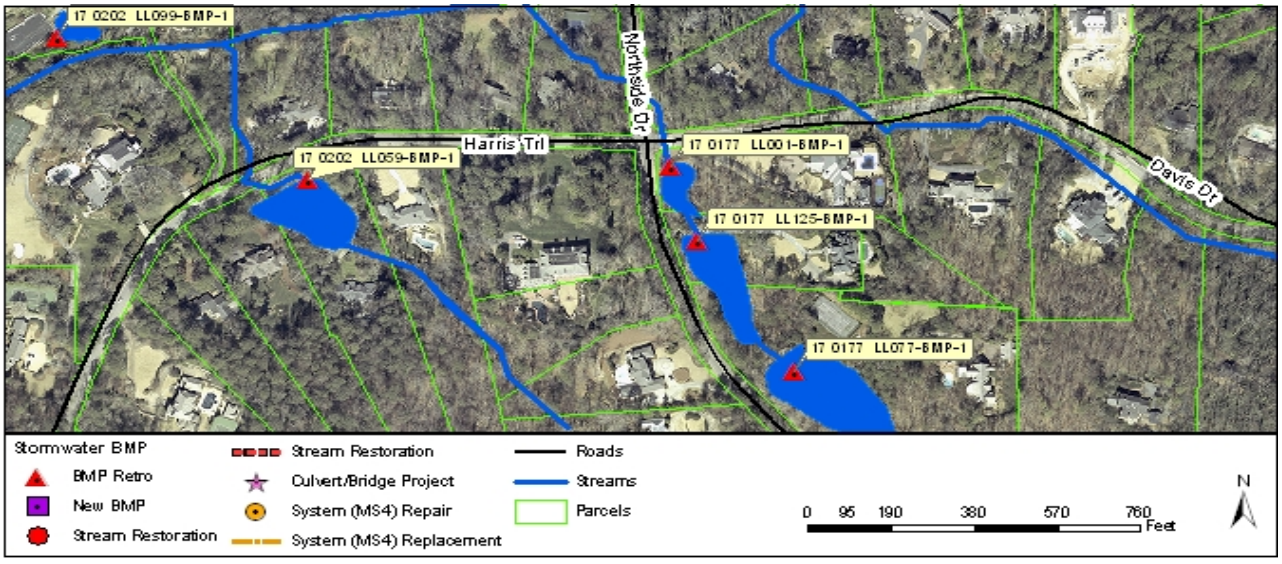

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0177 LL125-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_06916**

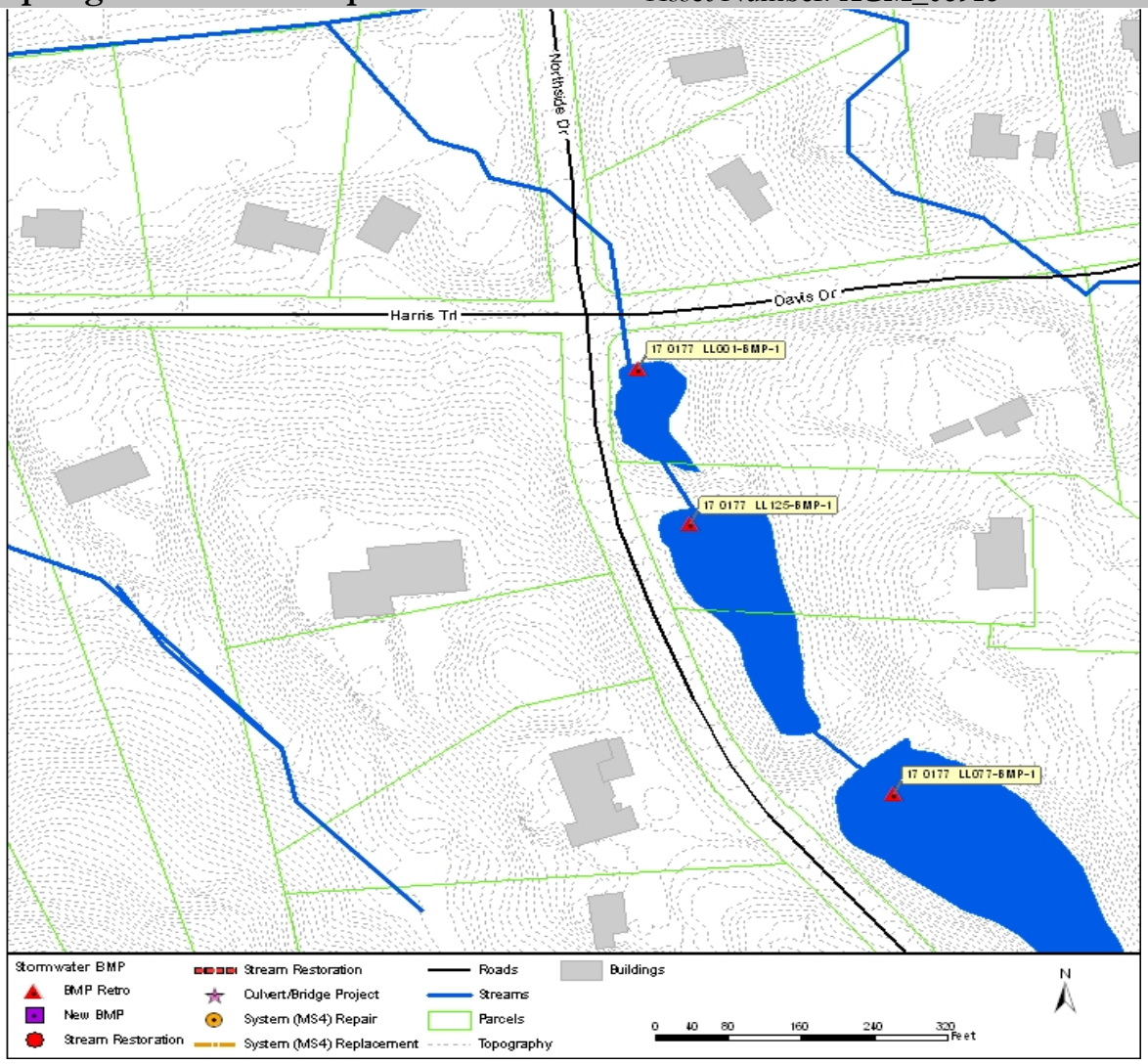

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	45	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	199,172	ft^3
Parcel Ownership:	Private		Potential Volume:	199,172	ft^3
Land Use:	Residential - 2 acre lot size; Water		WQ Volume:	39,746	ft^3
			CP Volume:	114,729	ft^3
			25-Year Volume:	100,596	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	35.6	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500		Existing Risk:	12	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	7	
Flood Width Over Road:	N/A	ft	Change in Risk:	4	
Structure Type:	N/A		**Benefit/Cost:**	1.12	
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 0202 LL059-BMP-1**
Asset Number: **AGM_07515**

Benefit/Cost:	1.97	Address:	4745 Harris Trl Nw
Estimated Cost:	$437,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 2 acre area near Harris Trl Nw. 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

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

No photo available

Photo 2

No photo available

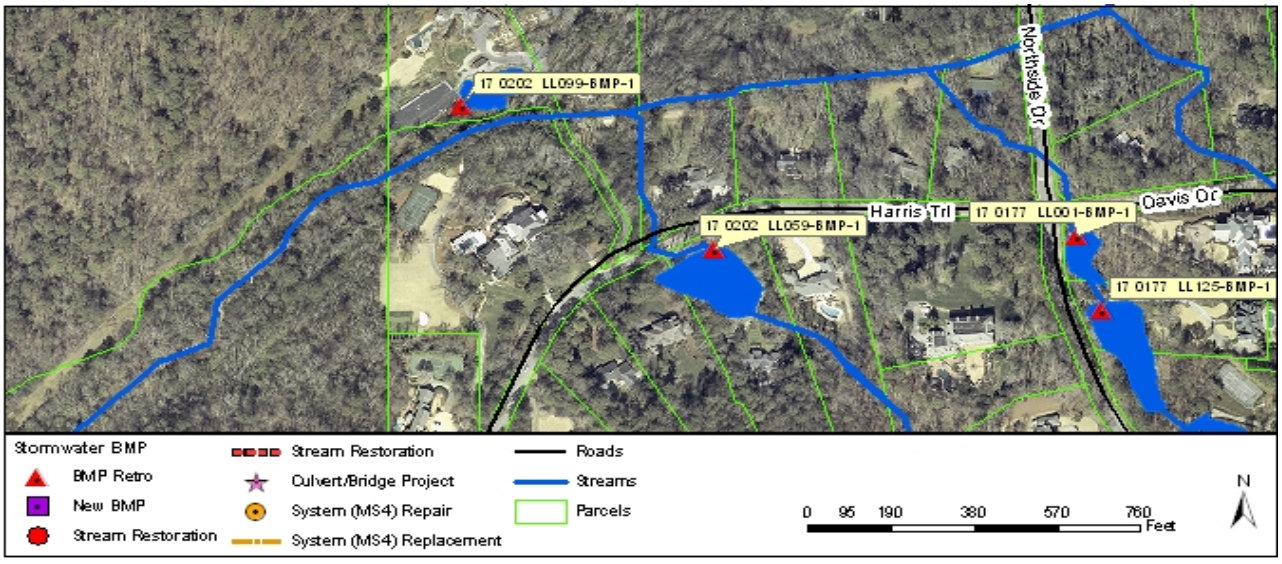

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0202 LL059-BMP-1**
Asset Number: **AGM_07515**

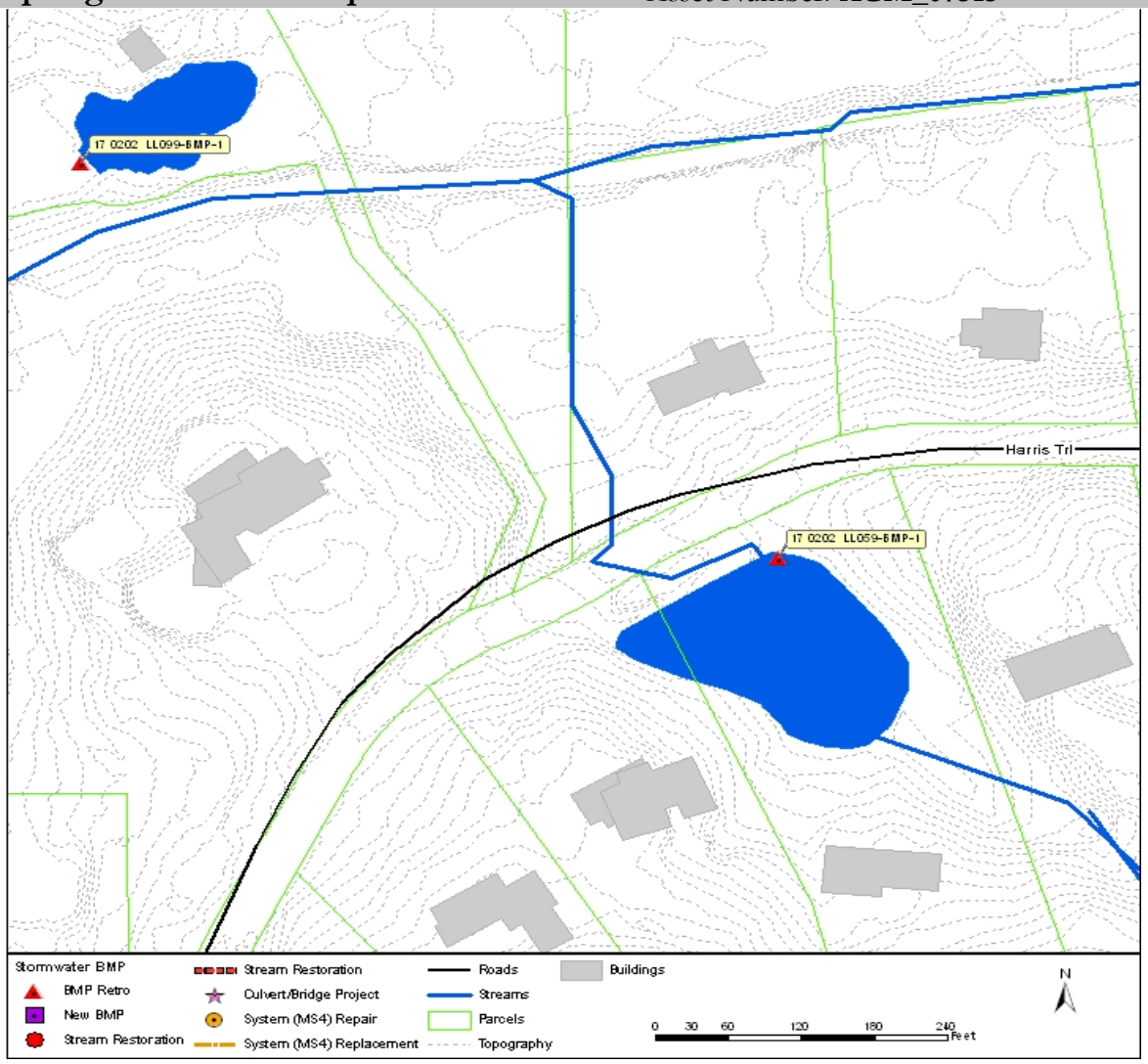

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	123	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	162,960	ft^3
Parcel Ownership:	Private		Potential Volume:	162,960	ft^3
Land Use:	Residential - 2 acre lot size; Water		WQ Volume:	34,357	ft^3
			CP Volume:	105,520	ft^3
			25-Year Volume:	83,759	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	37.3	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	19	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	11	
Flood Width Over Road:	N/A	ft	Change in Risk:	8	
Structure Type:	N/A		**Benefit/Cost:**	1.97	
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 0203 LL066-BMP-1**
Asset Number: **AGM_07416**

Benefit/Cost:	1.67	Address:	55 Finch Forest Trl
Estimated Cost:	$476,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 2 acre area near Finch Forest Trl. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24110211. 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

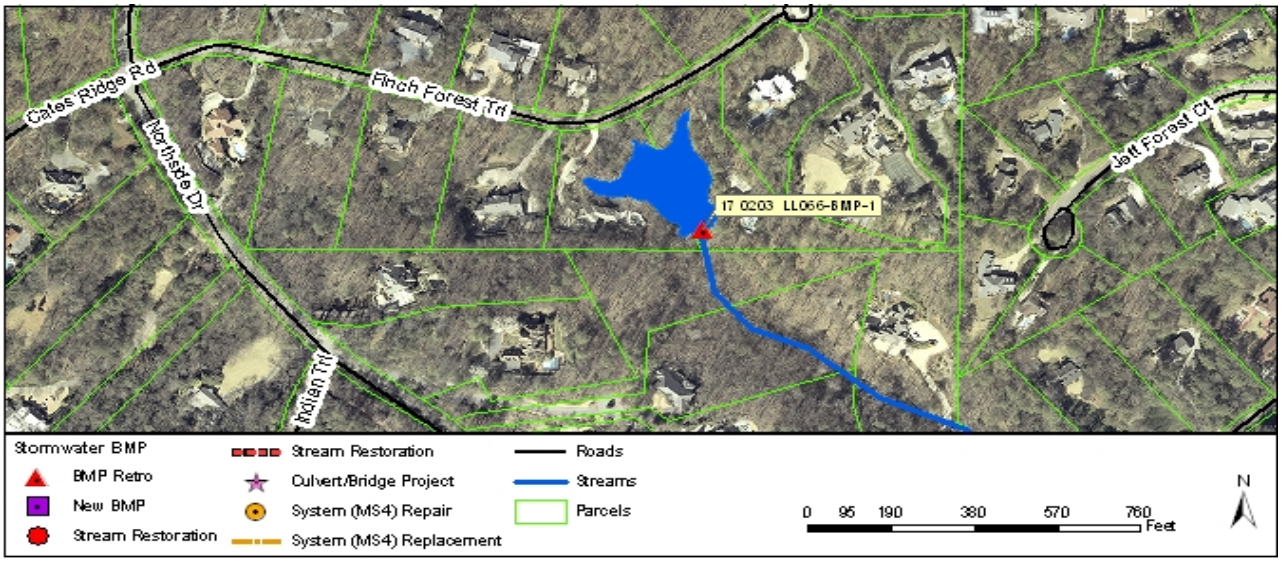

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0203 LL066-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_07416**

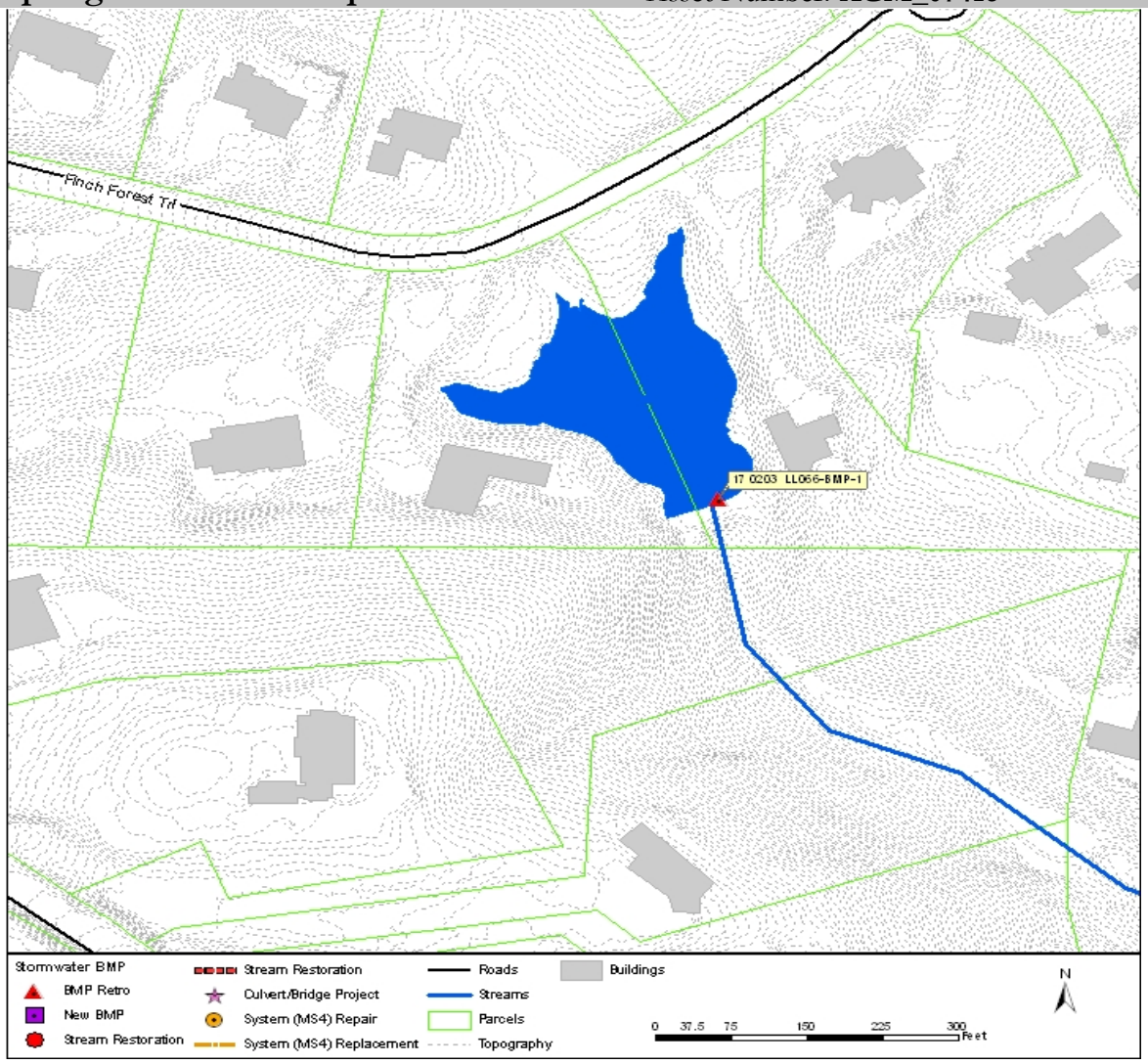

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	29	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	283,405	ft^3
Parcel Ownership:	Private		Potential Volume:	283,405	ft^3
Land Use:	Residential - 2 acre lot size; Water		WQ Volume:	58,762	ft^3
			CP Volume:	174,841	ft^3
			25-Year Volume:	147,717	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	57.6	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	20	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	13	
Flood Width Over Road:	N/A	ft	Change in Risk:	7	
Structure Type:	N/A		**Benefit/Cost:**	1.67	
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 0203 LL075-BMP-1**
Asset Number: **AGM_07770**

Benefit/Cost:	0.77	Address:	0 Cates Ridge
Estimated Cost:	$416,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 2 acre area near Cates Ridge. 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

No photo available

Photo 2

No photo available

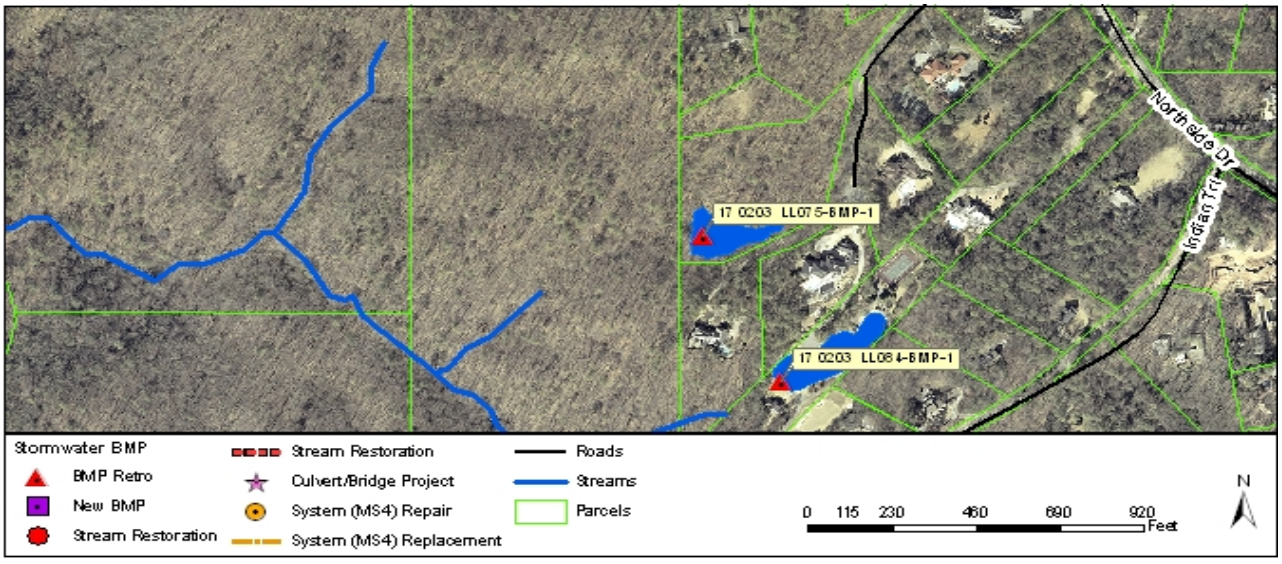

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0203 LL075-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_07770**

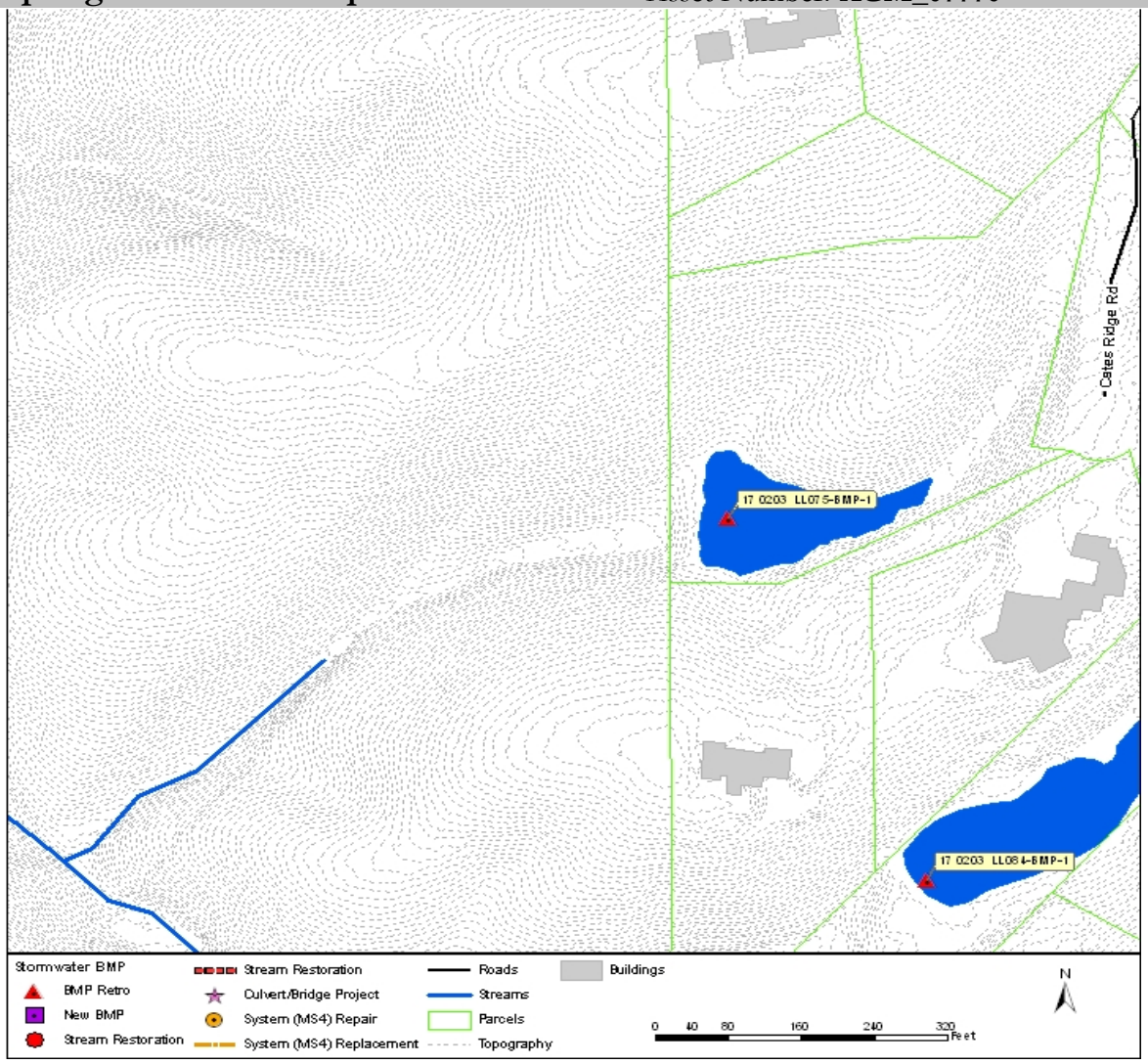

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	14	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	94,931	ft^3
Parcel Ownership:	Private		Potential Volume:	94,931	ft^3
Land Use:	Residential - 2 acre lot size; Water		WQ Volume:	14,032	ft^3
			CP Volume:	53,201	ft^3
			25-Year Volume:	38,343	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	20.2	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	17	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	14	
Flood Width Over Road:	N/A	ft	Change in Risk:	3	
Structure Type:	N/A		**Benefit/Cost:**	0.77	
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 0203 LL084-BMP-1**

Asset Number: **AGM_07758**

Benefit/Cost:	1.72	Address:	0 Northside Dr Nw Rear
Estimated Cost:	$433,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 2 acre area near Northside Dr Nw Rear. 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. Closest Asset number chosen.

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

No photo available

Photo 2

No photo available

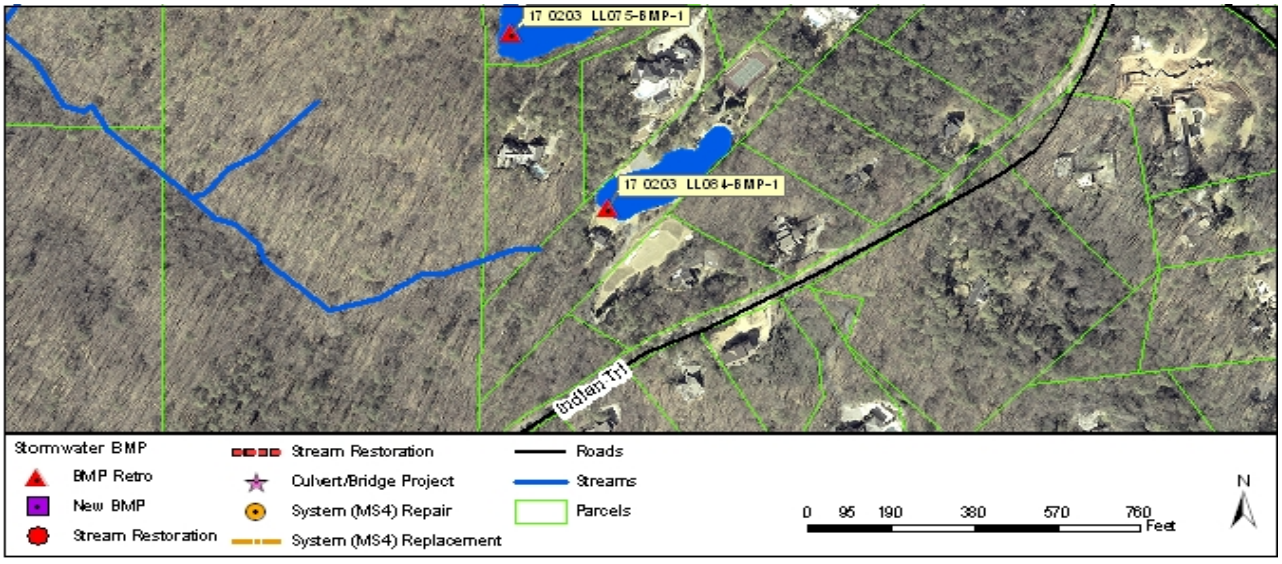

Figure 1 Plan View of Project with Aerial Photography

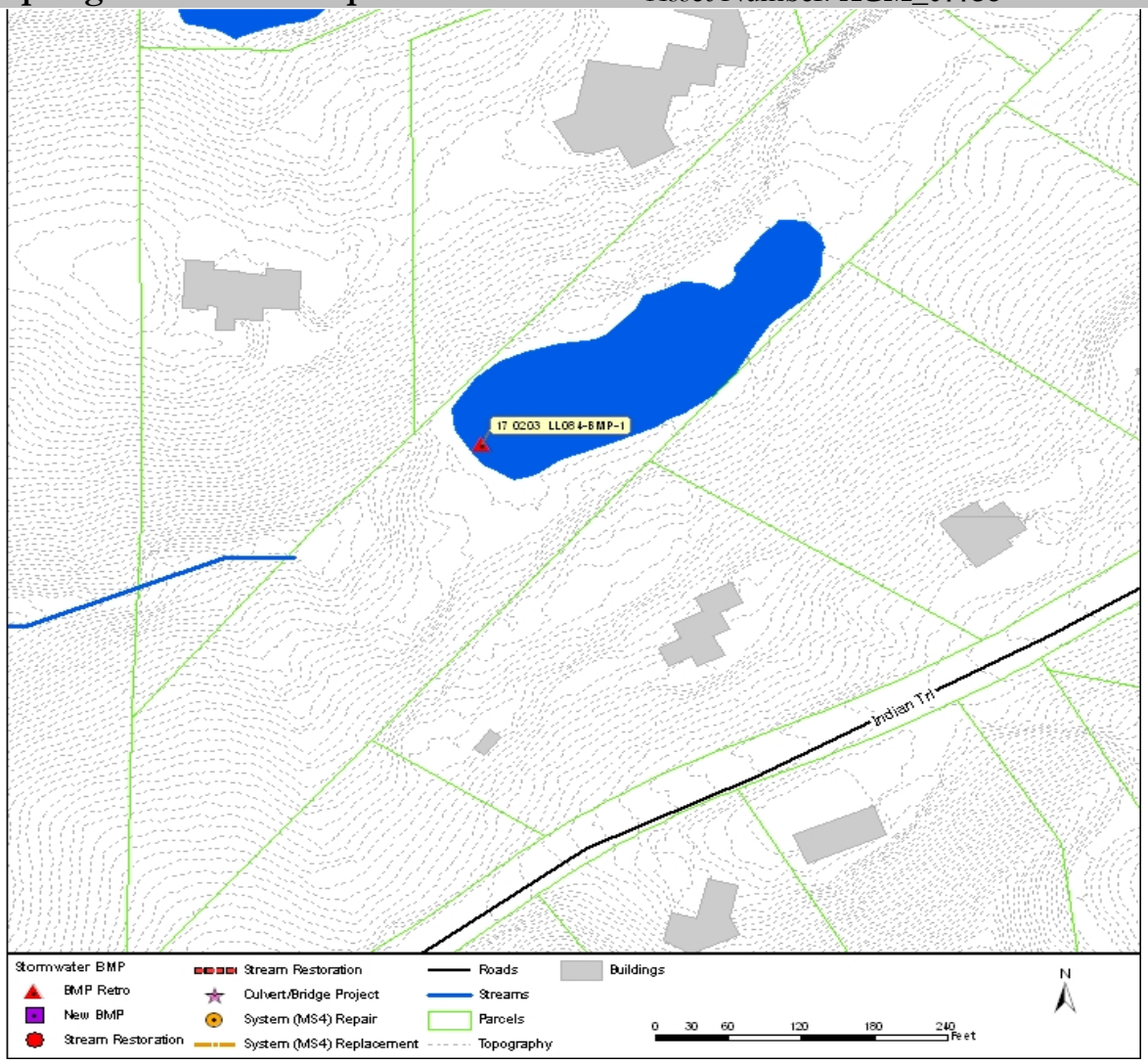

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	24	lb/ac/yr
Asset Ownership:	0: N/A		Existing Volume:	215,488	ft^3
Parcel Ownership:	Private		Potential Volume:	215,488	ft^3
Land Use:	Residential - 2 acre lot size; Water		WQ Volume:	21,378	ft^3
			CP Volume:	67,795	ft^3
			25-Year Volume:	56,441	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	22.5	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	17	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	10	
Flood Width Over Road:	N/A	ft	Change in Risk:	7	
Structure Type:	N/A		**Benefit/Cost:**	1.72	
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: **17 0213 LL002-STREAM-1**
Asset Number: **BAC_00001**

Benefit/Cost:	3.46	Address:	0 Chattahoochee River
Estimated Cost:	$533,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

A level 2 stream restoration is proposed along approximatey 500 feet of stream in a state park. The stream is incising and widening. Bank heights approach 10 feet with high erosion scores on both banks (75-100%). There is significant buffer where stream could be moved. 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. No Assets near the project, so an asset number is assigned.

Project Goals

Stabilize streambanks to reduce streambank erosion and decrease suspended sediment load to 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.

Photos and Maps

Photo 1

Photo 2

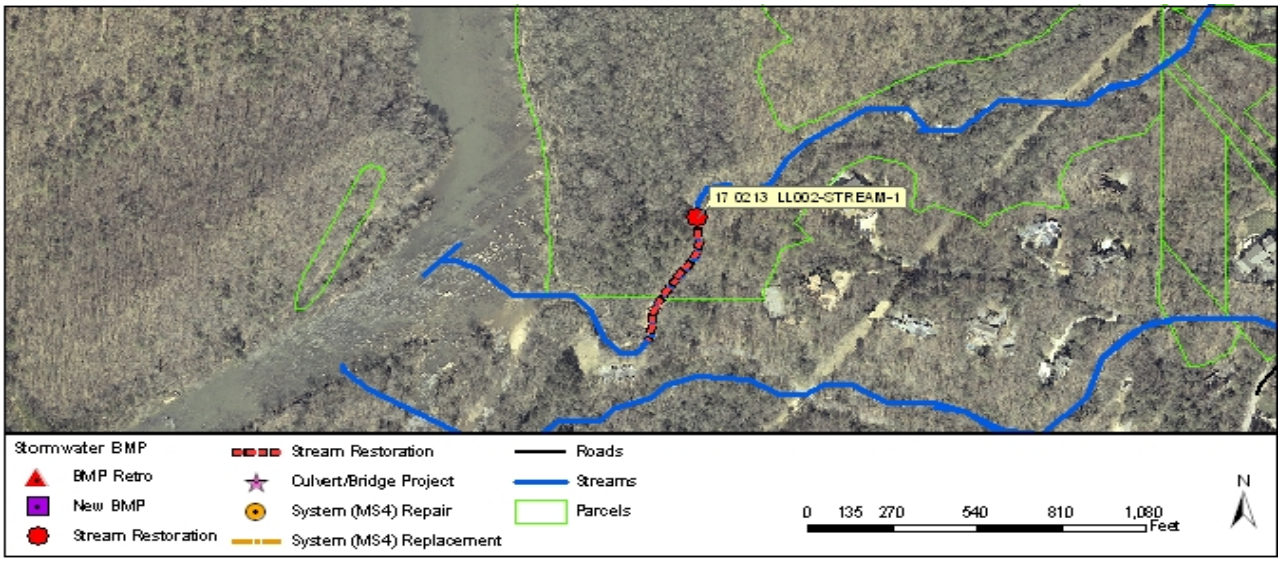

Figure 1 Plan View of Project with Aerial Photography

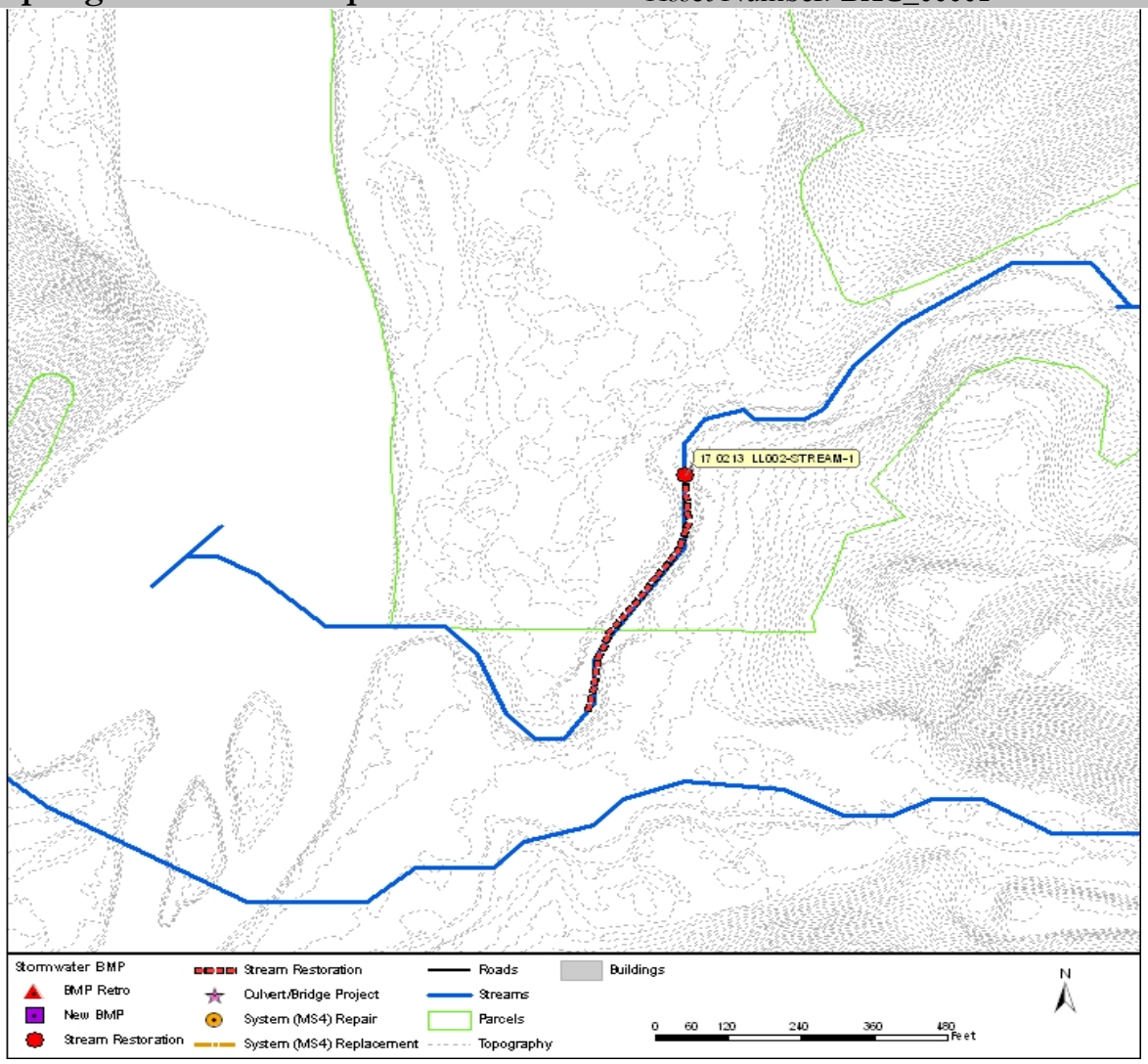

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	1,350	lb/ac/yr
Asset Ownership:	Not Applicable		Existing Volume:	N/A	ft^3
Parcel Ownership:	State		Potential Volume:	N/A	ft^3
Land Use:	Woods		WQ Volume:	N/A	ft^3
			CP Volume:	N/A	ft^3
			25-Year Volume:	N/A	ft^3
			Stream Project Length:	492	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	3	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	75-100% RB
Drainage Area:	4,178.4	acres	Bank Height:	9ft LB	9ft RB
FEMA Flood Hazard Zone:	AE-FLOODWAY		Existing Risk:	22	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	5	
Flood Width Over Road:	N/A	ft	Change in Risk:	17	
Structure Type:	N/A		**Benefit/Cost:**	3.46	
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 00690004018-BMP-1**
Asset Number: **AGM_02846**

Benefit/Cost:	1.22	Address:	0 Colton Dr Rear
Estimated Cost:	$1,295,000	Study Area:	Long Island Creek
		Proposed Project Type:	Shallow Wetland

Project Description

Build a new shallow wetland. The new BMP is located on a Residential - 1/2 acre; Woods - Grass Combination area near Colton Dr Rear. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24320307. 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. Closest Asset number chosen.

Project Goals

Design a shallow wetland that provides water quality benefits.

Photos and Maps

Photo 1

Photo 2

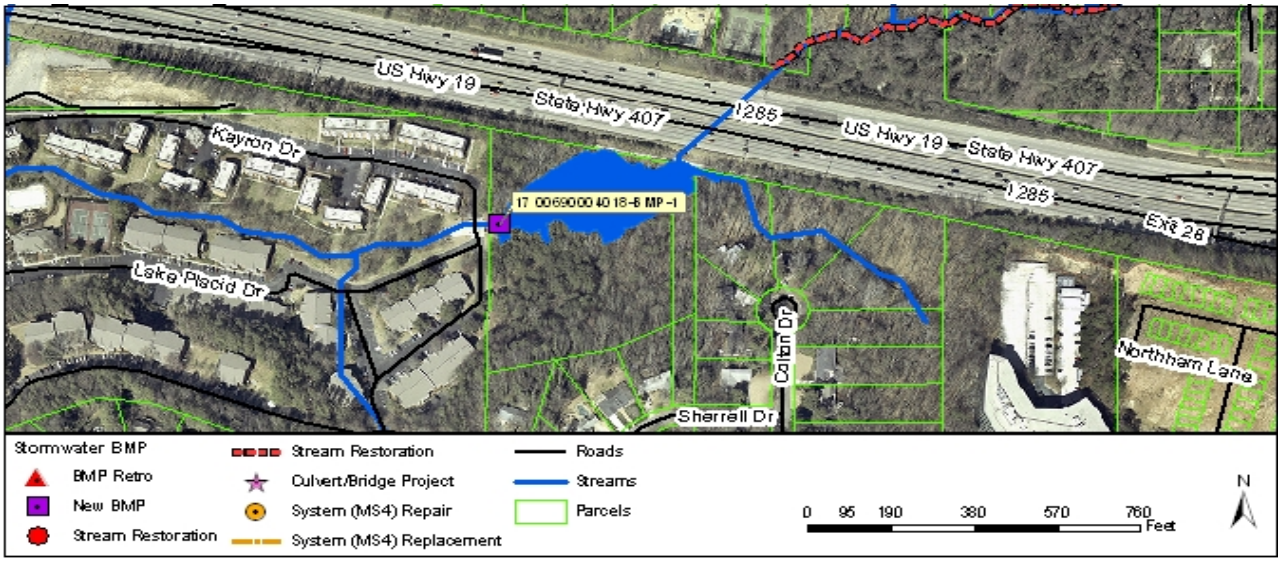

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 00690004018-BMP-1**
Asset Number: **AGM_02846**

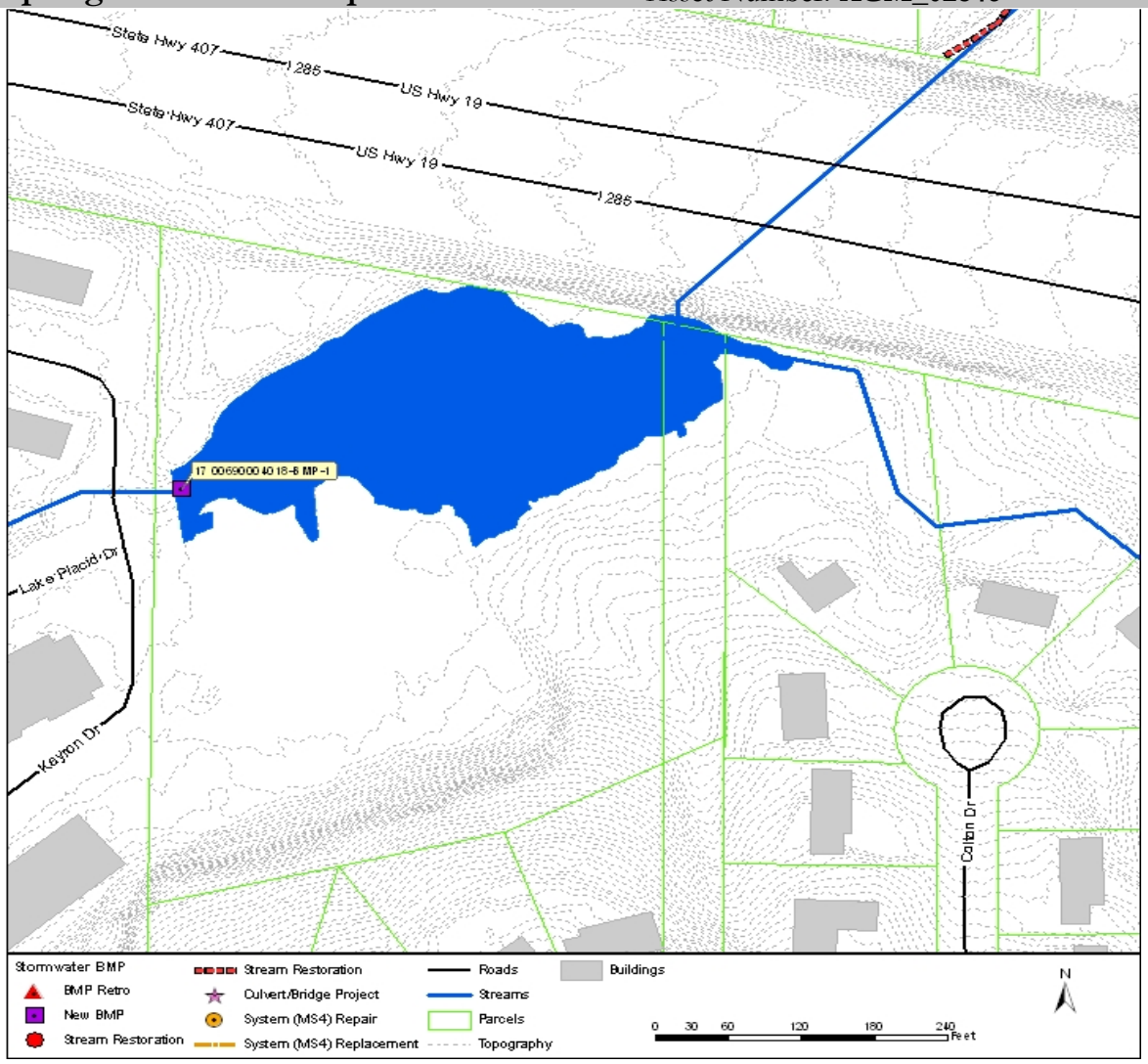

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	1,726	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	193,097	ft^3
Parcel Ownership:	Federal, Private		Potential Volume:	193,097	ft^3
Land Use:	Residential - 1/2 acre lot size;		WQ Volume:	438,426	ft^3
	Woods - Grass Combination		CP Volume:	1,496,987	ft^3
	Fair		25-Year Volume:	1,831,458	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	249.5	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500		Existing Risk:	43	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	34	
Flood Width Over Road:	N/A	ft	Change in Risk:	9	
Structure Type:	N/A		**Benefit/Cost:**	1.22	
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 00700002047-BMP-1**
Asset Number: **AGM_03822**

Benefit/Cost:	2.56	Address:	5870 Kayron Dr
Estimated Cost:	$1,719,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Build a new wet pond. The new BMP is located on a Residential - 1/2 acre; Woods - Grass Combination area near Kayron Dr. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24320302. 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. Closest Asset number chosen.

Project Goals

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

Photos and Maps

Photo 1

Photo 2

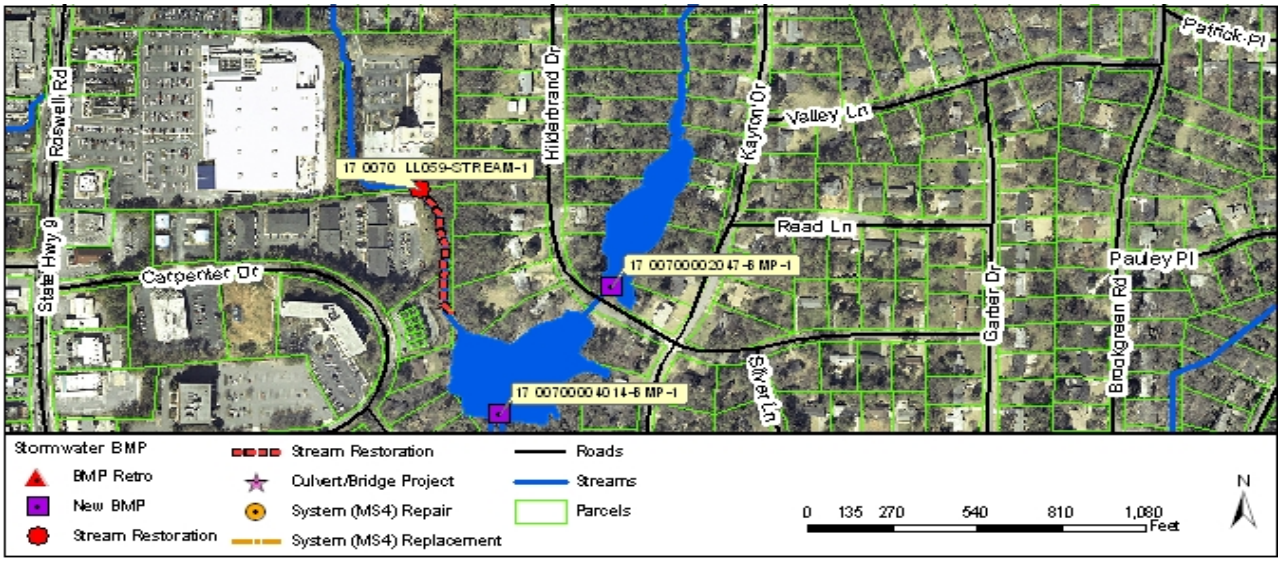

Figure 1 Plan View of Project with Aerial Photography

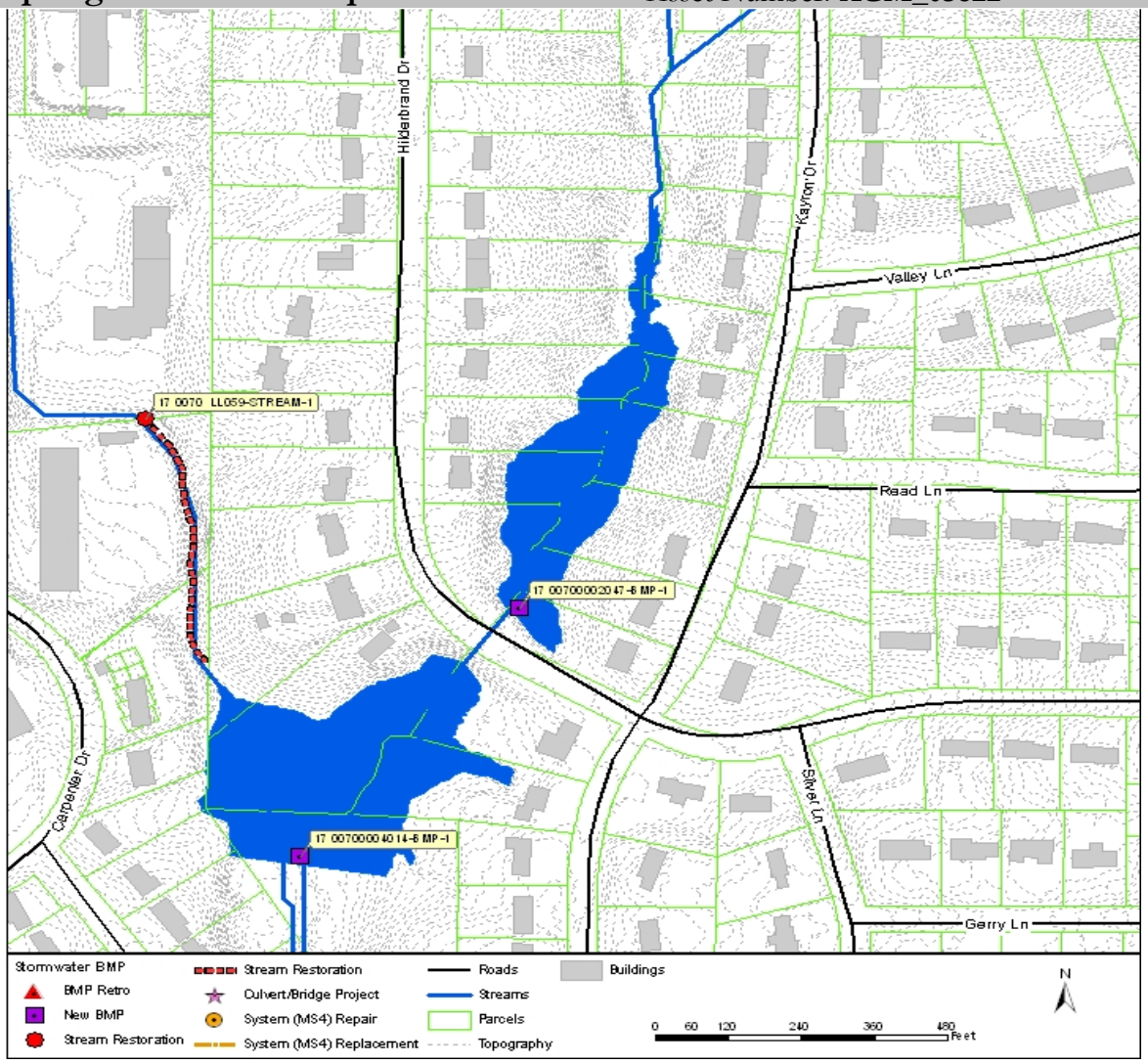

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	585	lb/ac/yr
Asset Ownership:	5: SF Residential-Attach		Existing Volume:	468,189	ft^3
Parcel Ownership:	Private		Potential Volume:	468,189	ft^3
Land Use:	Residential - 1/2 acre lot size;		WQ Volume:	151,353	ft^3
	Woods - Grass Combination		CP Volume:	482,257	ft^3
	Fair		25-Year Volume:	494,664	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	125.6	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	31	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	11	
Flood Width Over Road:	N/A	ft	Change in Risk:	20	
Structure Type:	N/A		**Benefit/Cost:**	2.56	
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 00700003010-STREAM-1**
Asset Number: **N/A, AGM_04032**

Benefit/Cost:	2.64	Address:	655 Glenforest Road
Estimated Cost:	$1,193,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

A level 2 stream restoration is proposed along approximately 1,200 feet of stream where the stream is incising and widening. No buffer is present on right bank and banks are very steep on both banks. The stream can be moved toward the left bank as it is encroaching on properties along the right bank. 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 and decrease suspended sediment load to 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.

Photos and Maps

Photo 1

Photo 2

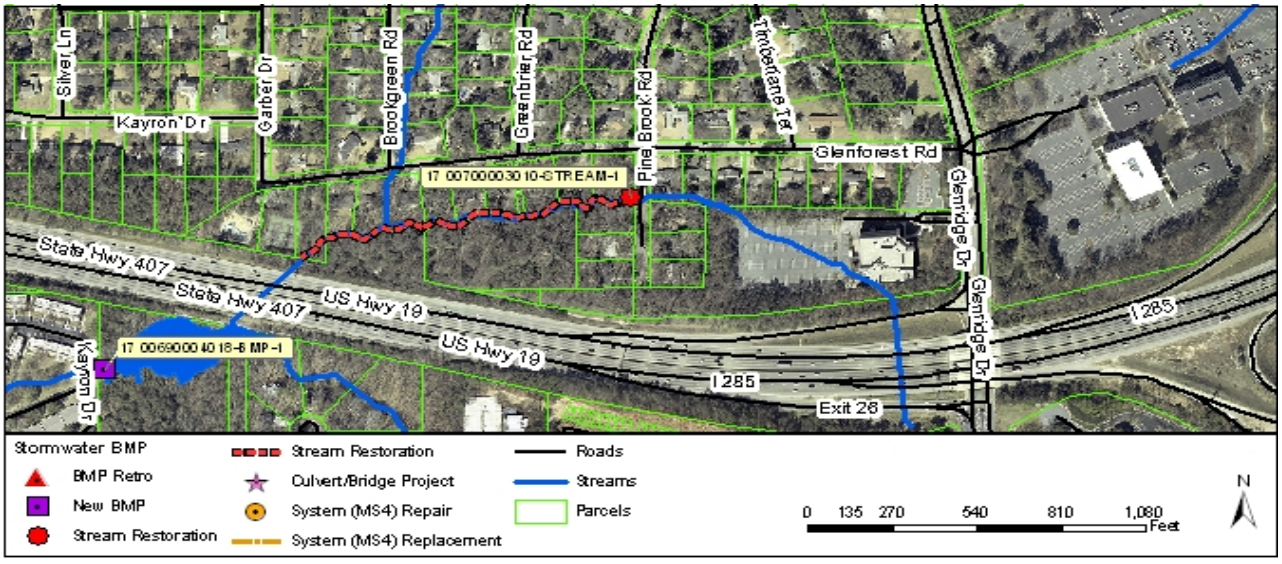

Figure 1 Plan View of Project with Aerial Photography

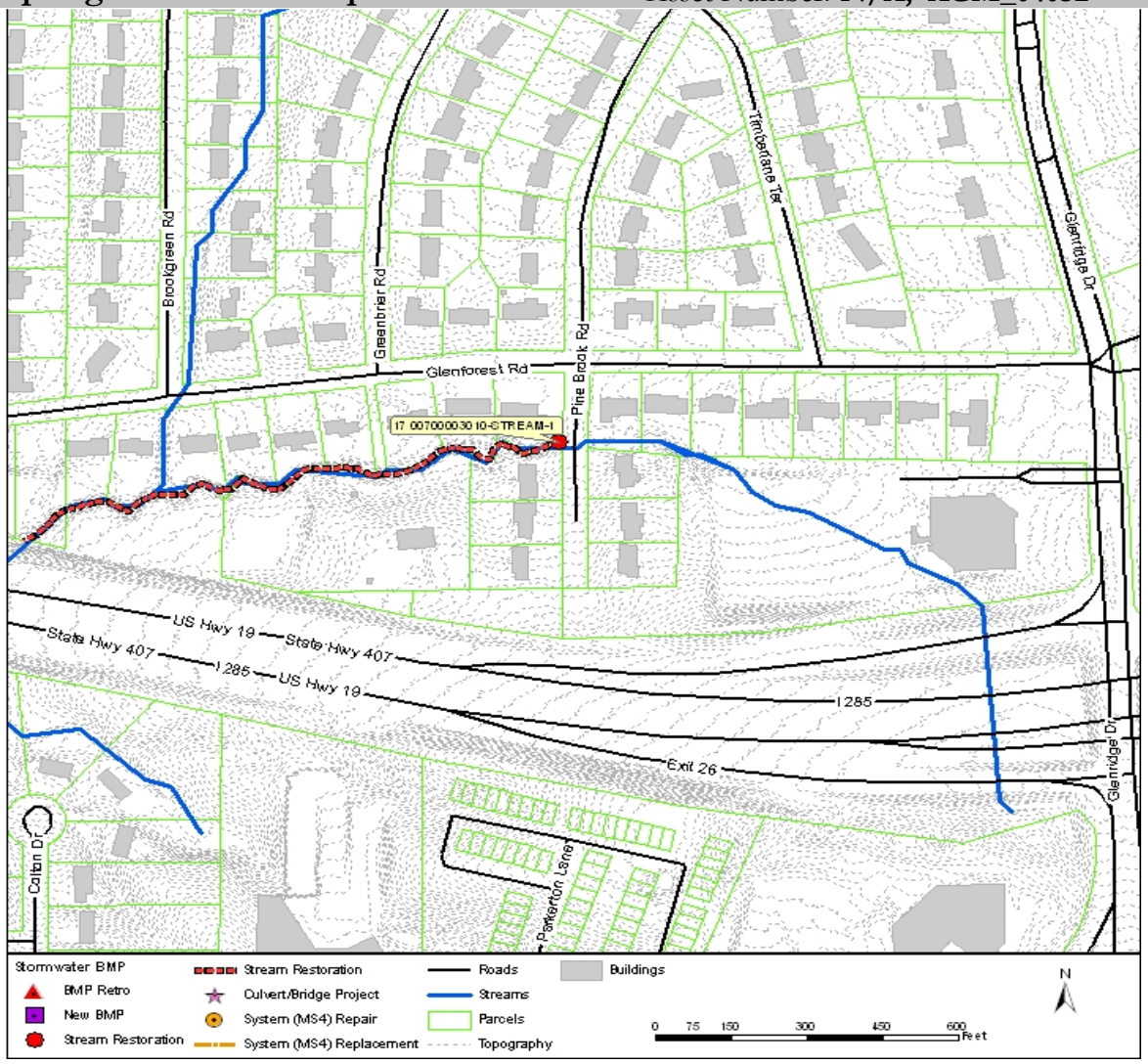

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	688	lb/ac/yr
Asset Ownership:	Not Applicable		Existing Volume:	N/A	ft^3
Parcel Ownership:	Federal, Private		Potential Volume:	N/A	ft^3
Land Use:	Residential - 1/2 acre lot size;		WQ Volume:	N/A	ft^3
	Woods - Grass Combination		CP Volume:	N/A	ft^3
	Fair		25-Year Volume:	N/A	ft^3
			Stream Project Length:	1,218	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	50-75% LB	50-75% RB
Drainage Area:	59.9	acres	Bank Height:	7ft LB	7ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	31	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	12	
Flood Width Over Road:	N/A	ft	Change in Risk:	19	
Structure Type:	N/A		**Benefit/Cost:**	2.64	
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 00700004014-BMP-1**

Asset Number: **AGM_03836**

Benefit/Cost:	2.28	Address:	0 Mountain Creek Rd R
Estimated Cost:	$3,065,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Build a new wet pond. The new BMP is located on a Residential - 1/2 acre; Woods - Grass Combination area near Mountain Creek Rd R. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24320382. 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. Closest Asset number chosen.

Project Goals

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

Photos and Maps

Photo 1

Photo 2

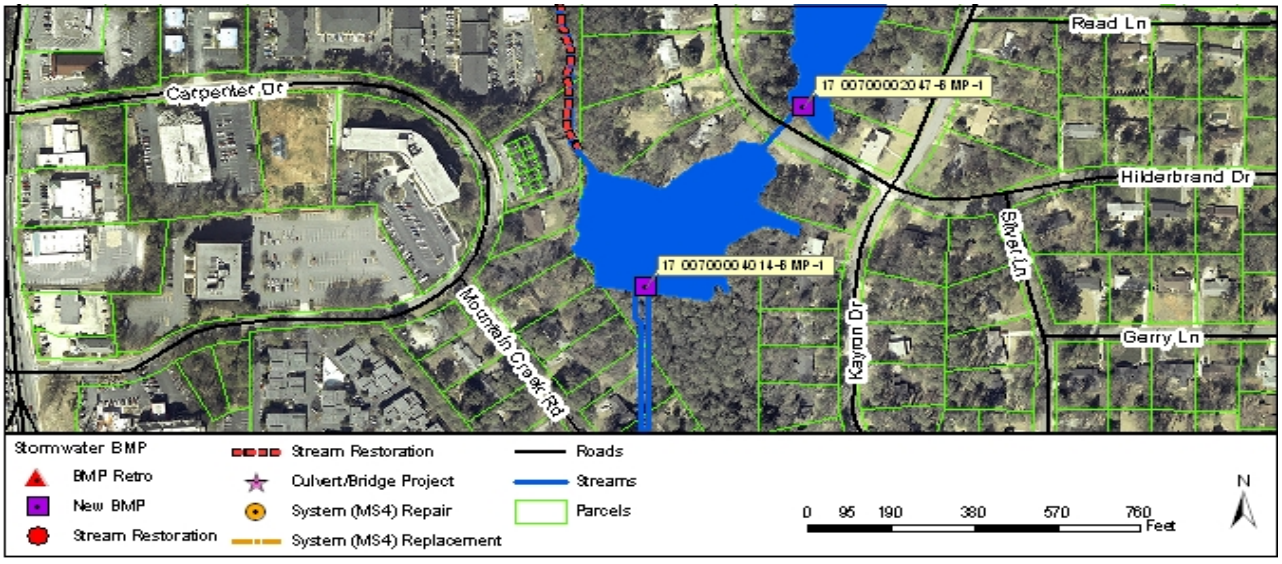

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 00700004014-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_03836**

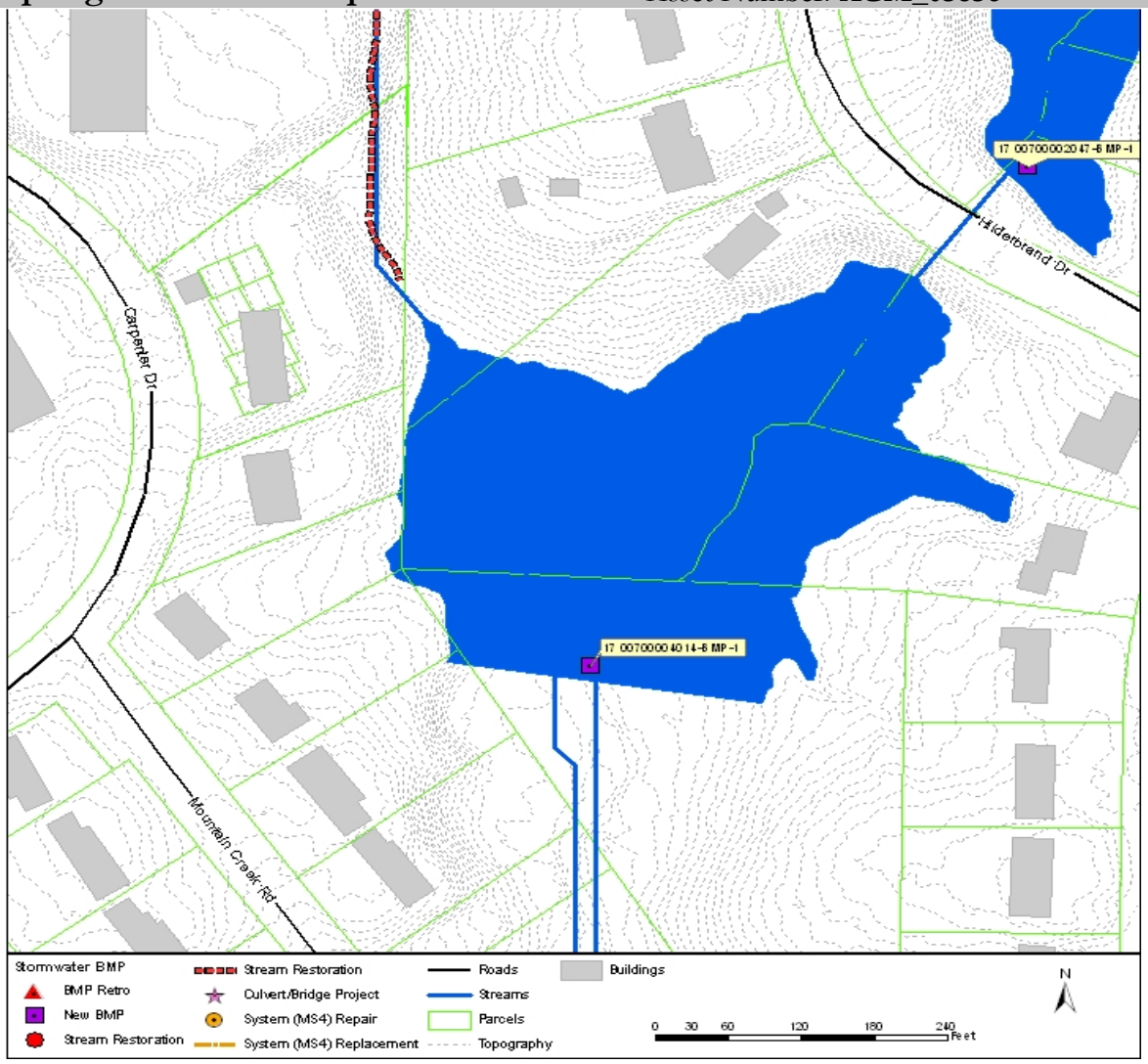

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	875	lb/ac/yr
Asset Ownership:	5: SF Residential-Attach		Existing Volume:	913,847	ft^3
Parcel Ownership:	Private		Potential Volume:	913,847	ft^3
Land Use:	Residential - 1/2 acre lot size;		WQ Volume:	456,247	ft^3
	Woods - Grass Combination		CP Volume:	1,439,858	ft^3
	Fair		25-Year Volume:	1,674,124	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	3	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	266.4 acres		Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	40	
Max Flood Depth Over Road:	N/A ft		Proposed Risk:	18	
Flood Width Over Road:	N/A ft		Change in Risk:	23	
Structure Type:	N/A		**Benefit/Cost:**	2.28	
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 00890009047-BMP-1**
Asset Number: **AGM_10569**

Benefit/Cost:	4.36	Address:	263 Hilderbrand Ave
Estimated Cost:	$155,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Commercial area near Roswell Rd. 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. Closest Asset number chosen.

Project Goals

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

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

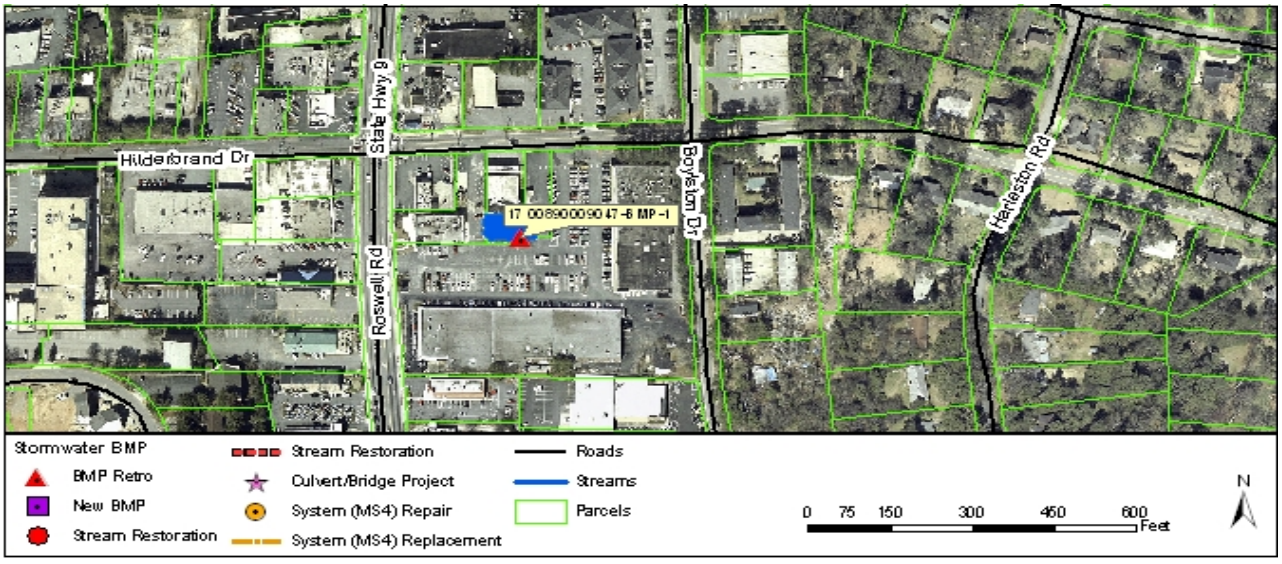

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 00890009047-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_10569**

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3	
Asset Ownership:	6: Non SF Res-Attached	
Parcel Ownership:	Private	
Land Use:	Commercial	
TMDL Stream(FecalColiform):	Y	
TMDL Stream (Biota):	Y	
Drainage Area:	13.9	acres
FEMA Flood Hazard Zone:	X	
Max Flood Depth Over Road:	N/A	ft
Flood Width Over Road:	N/A	ft
Structure Type:	N/A	
Pipe Size:	N/A	ft
Structure/Pipe Age:	N/A	
Structure/Pipe Conditions:	N/A	

TSS Yield:	531	lb/ac/yr
Existing Volume:	32,517	ft^3
Potential Volume:	32,517	ft^3
WQ Volume:	50,361	ft^3
CP Volume:	136,364	ft^3
25-Year Volume:	177,741	ft^3
Stream Project Length:	N/A	ft
Stream Order:	Offline	
Bank Stability (% exposed):	N/A	N/A
Bank Height:	N/A	N/A
Existing Risk:	44	
Proposed Risk:	31	
Change in Risk:	13	
Benefit/Cost:	4.36	

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 00890011061-BMP-1**
Asset Number: **AGM_10365**

Benefit/Cost:	5.42	Address:	0 Sandy Springs Cir
Estimated Cost:	$270,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Commercial area near Sandy Springs Cir. 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 both water quality and channel protection benefits by converting it to a micropool extended detention pond and redesigning the control structure. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

Photo 2

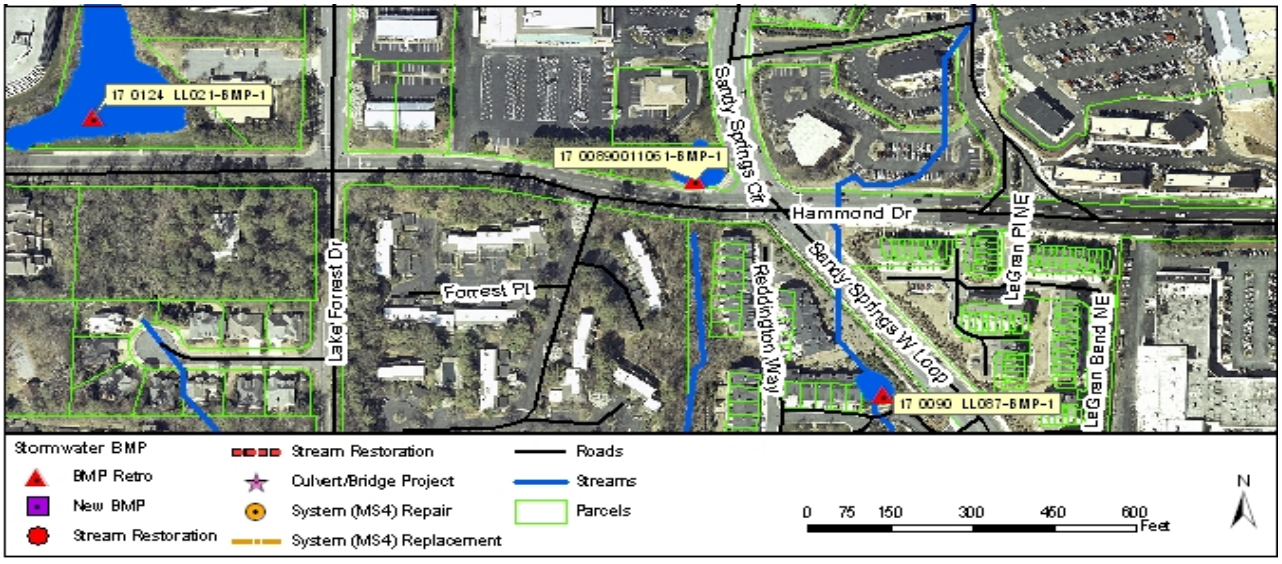

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 00890011061-BMP-1**
Asset Number: **AGM_10365**

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3	
Asset Ownership:	6: Non SF Res-Attached	
Parcel Ownership:	Private	
Land Use:	Commercial	
TMDL Stream(FecalColiform):	Y	
TMDL Stream (Biota):	Y	
Drainage Area:	5.2	acres
FEMA Flood Hazard Zone:	X	
Max Flood Depth Over Road:	N/A	ft
Flood Width Over Road:	N/A	ft
Structure Type:	N/A	
Pipe Size:	N/A	ft
Structure/Pipe Age:	N/A	
Structure/Pipe Conditions:	N/A	

TSS Yield:	519	lb/ac/yr
Existing Volume:	29,293	ft^3
Potential Volume:	29,293	ft^3
WQ Volume:	17,573	ft^3
CP Volume:	51,567	ft^3
25-Year Volume:	67,272	ft^3
Stream Project Length:	N/A	ft
Stream Order:	Offline	
Bank Stability (% exposed):	N/A	N/A
Bank Height:	N/A	N/A
Existing Risk:	34	
Proposed Risk:	13	
Change in Risk:	22	
Benefit/Cost:	5.42	

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 00900001071-BMP-1**
Asset Number: **AGM_11042**

Benefit/Cost:	2.62	Address:	0 Allen Rd
Estimated Cost:	$504,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1/2 acre area near Allen Rd. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24220481. 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

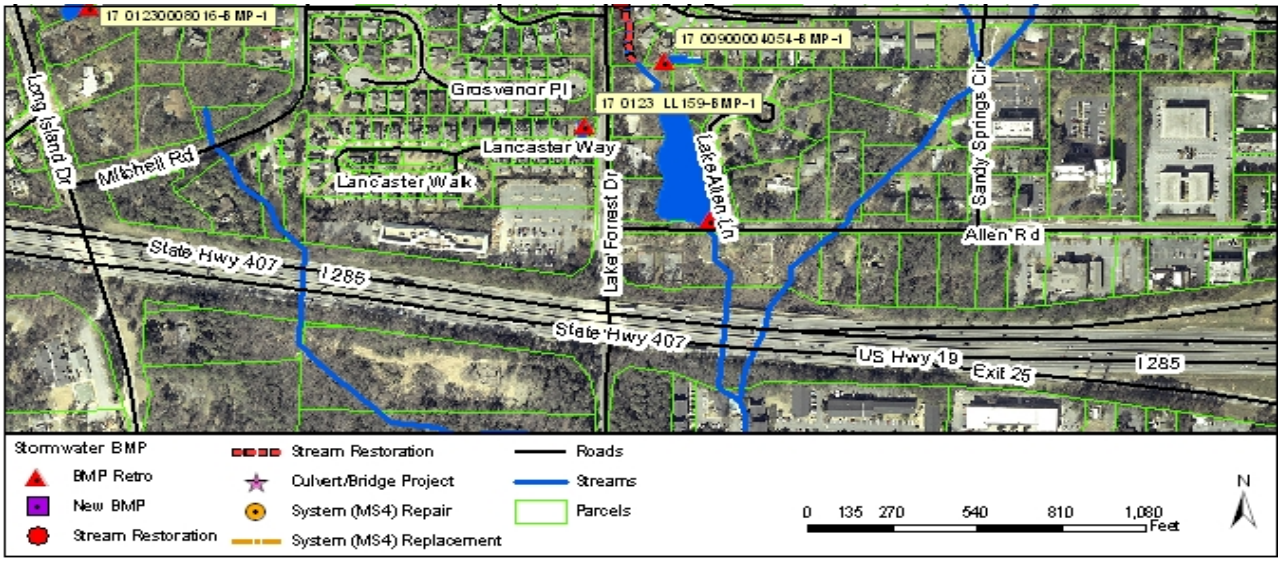

Figure 1 Plan View of Project with Aerial Photography

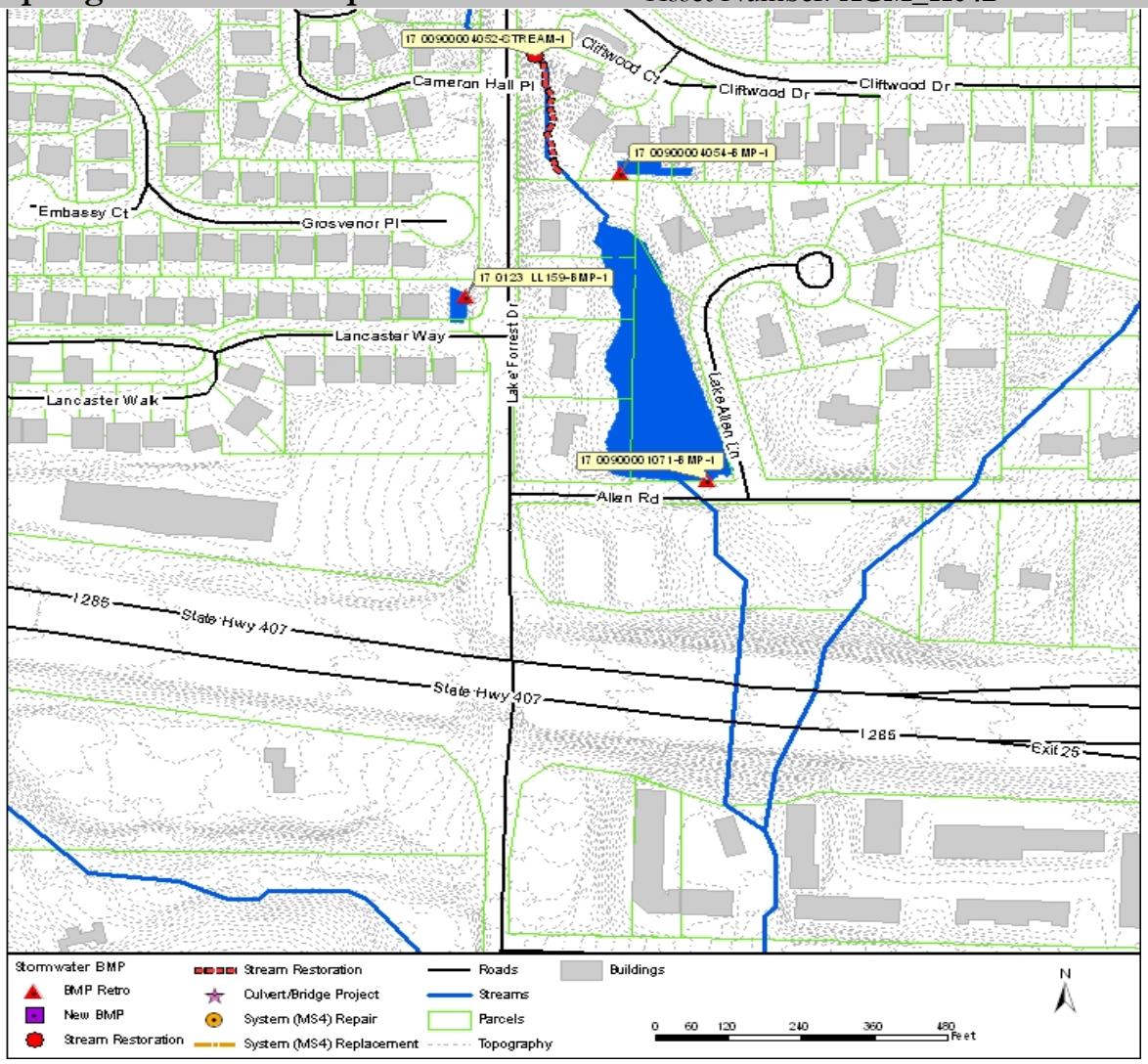

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3		TSS Yield:	264	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	404,668	ft^3
Parcel Ownership:	Private		Potential Volume:	404,668	ft^3
Land Use:	Residential - 1/2 acre lot size; Water		WQ Volume:	163,322	ft^3
			CP Volume:	550,142	ft^3
			25-Year Volume:	686,995	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	83.2	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	26	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	13	
Flood Width Over Road:	N/A	ft	Change in Risk:	13	
Structure Type:	N/A		**Benefit/Cost:**	2.62	
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 00900002074-BMP-1**
Asset Number: **AGM_03971**

Benefit/Cost:	1.71	Address:	5793 Roswell Rd Ne
Estimated Cost:	$264,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond Extended Detention

Project Description

Build a new wet extended detention pond. The new BMP is located on a Commercial; Woods - Grass Combination area near Roswell Rd 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. Closest Asset number chosen.

Project Goals

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

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

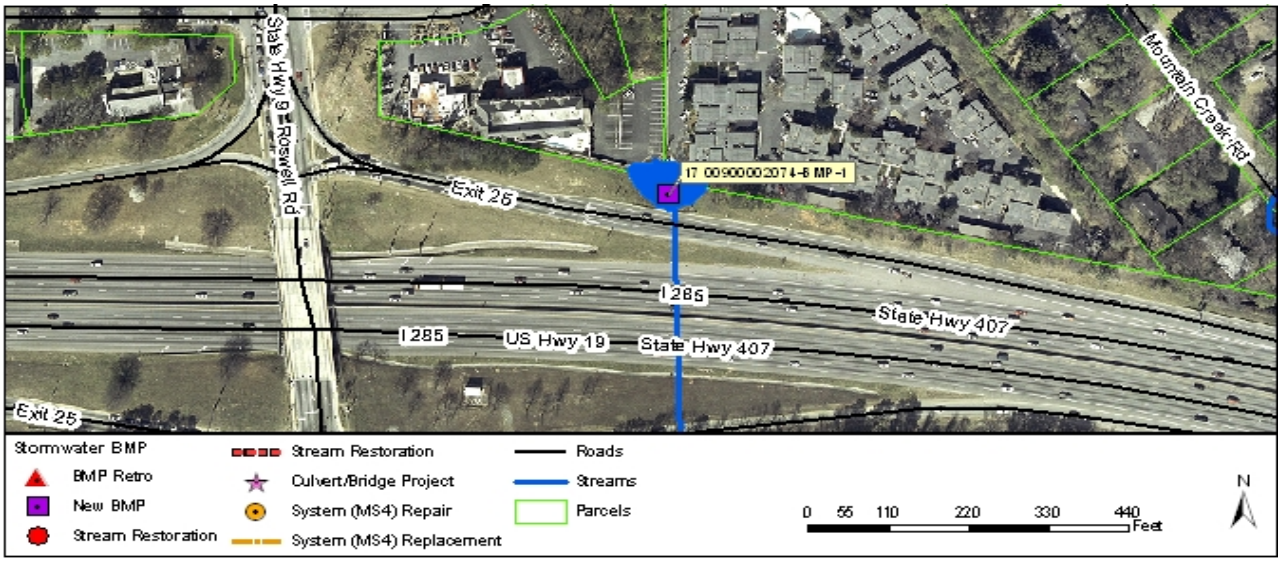

Figure 1 Plan View of Project with Aerial Photography

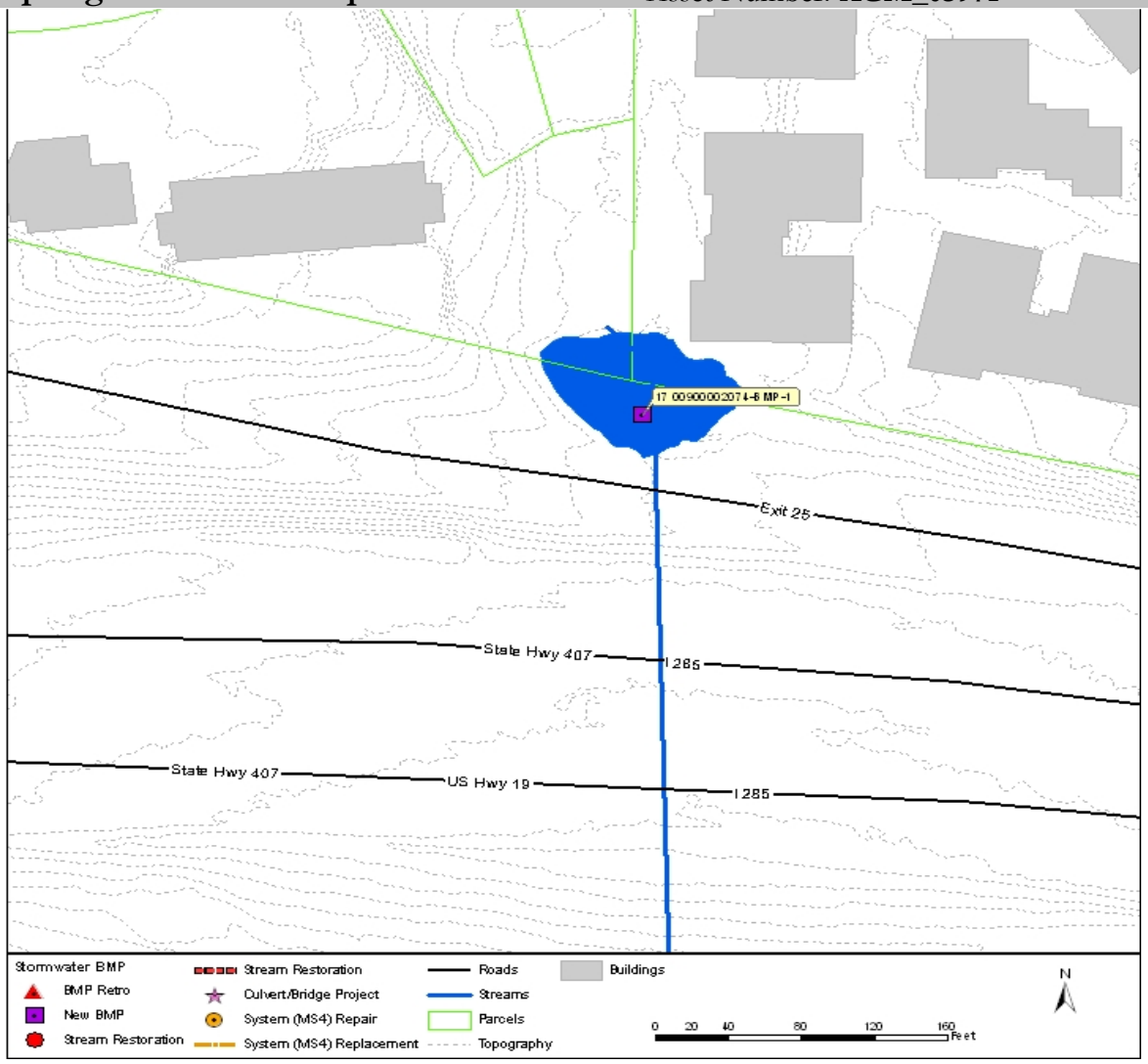

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	527	lb/ac/yr
Asset Ownership:	3: State		Existing Volume:	27,009	ft^3
Parcel Ownership:	Federal, Private		Potential Volume:	27,009	ft^3
Land Use:	Commercial; Woods - Grass Combination Fair		WQ Volume:	85,659	ft^3
			CP Volume:	259,420	ft^3
			25-Year Volume:	337,869	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	27.2	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	39	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	32	
Flood Width Over Road:	N/A	ft	Change in Risk:	7	
Structure Type:	N/A		**Benefit/Cost:**	1.71	
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 00900004052-STREAM-1**
Asset Number: **AGM_10749, AGM_10753**

Benefit/Cost:	6.71	Address:	570 Cliftwood Ct
Estimated Cost:	$272,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 4 stream restoration is proposed along both banks. There is no buffer on left bank. Both banks are steep and are approximately 4 feet high. Level 4 restoration is proposed where an an incised channel is stabilized in place using in stream structures and bioengineering. in place using in stream structures and bioengineering.

Project Goals

Stabilize streambanks to reduce streambank erosion and decrease suspended sediment load to 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.

Photos and Maps

Photo 1

Photo 2

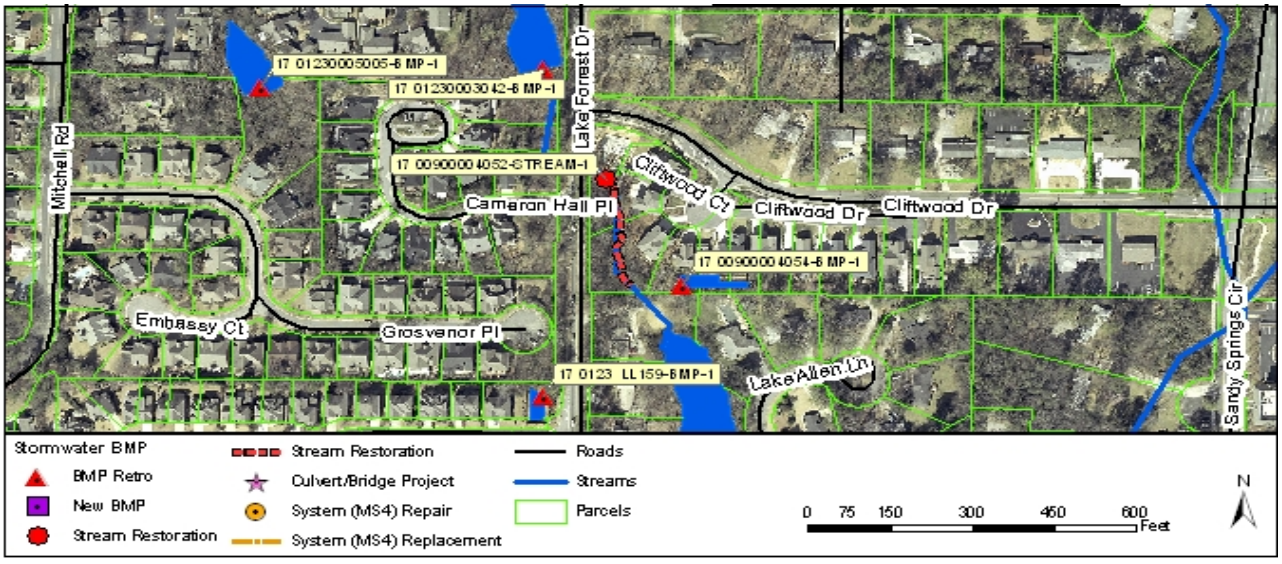

Figure 1 Plan View of Project with Aerial Photography

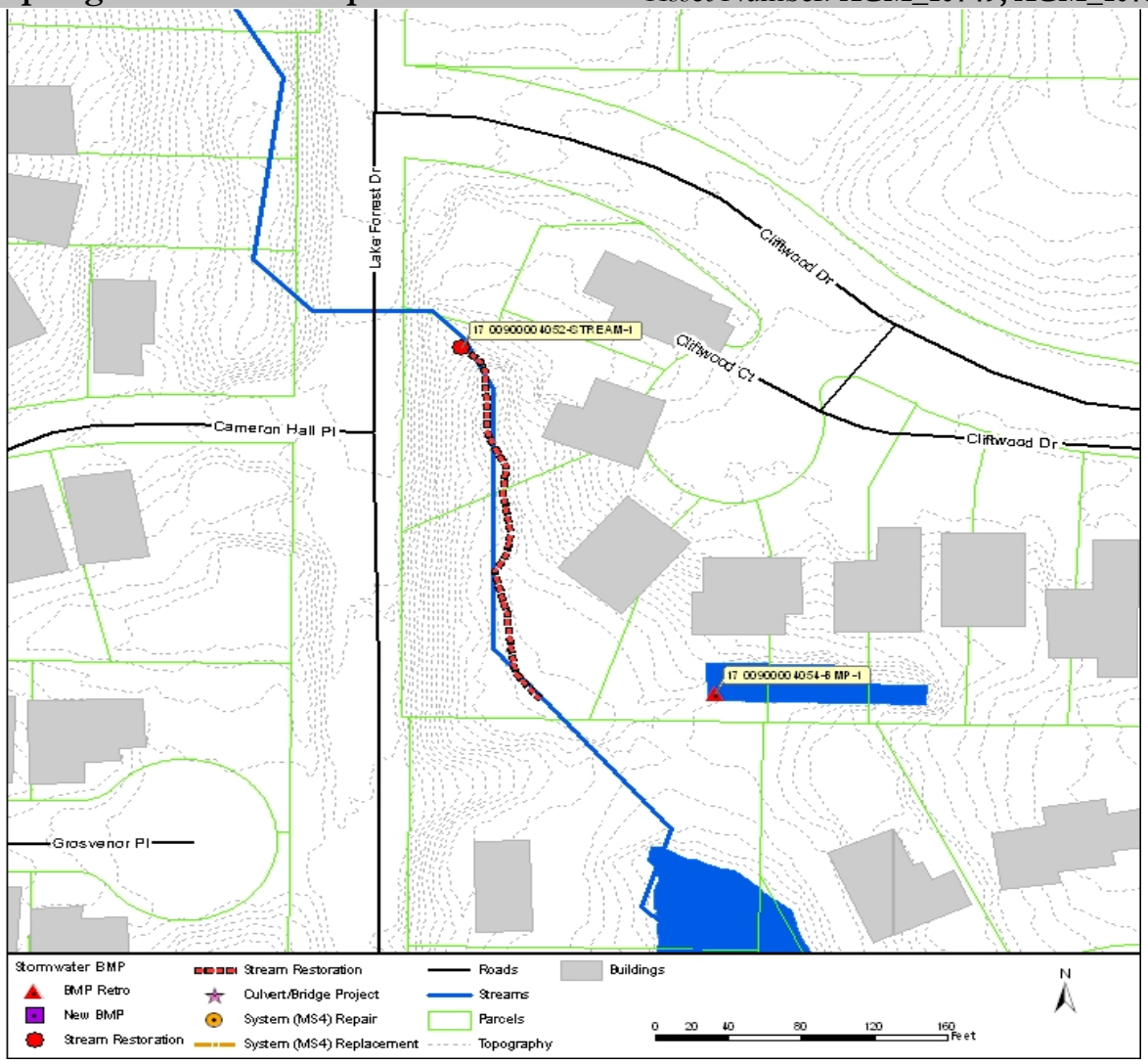

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3		TSS Yield:	762	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 - 1/8 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:	238	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	75-100% RB
Drainage Area:	39.7	acres	Bank Height:	3.5ft LB	3.5ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	37	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	11	
Flood Width Over Road:	N/A	ft	Change in Risk:	27	
Structure Type:	N/A		**Benefit/Cost:**	6.71	
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 00910001022-STREAM-1**
Asset Number: **N/A, AGM_08124**

Benefit/Cost:	1.91	Address:	5677 Kingsport Dr Ne
Estimated Cost:	$1,556,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 3 stream restoration is proposed along approximatley a 1,600 foot reach where the stream has incised and widened. A sewer pipe is exposed. High erosion scores were noted along the entire reach. Buffers are sufficient on both banks. Large amounts of trash observed in stream. A Level 3 approach includes restoring the degraded channel to a stable condition at existing grade and providing a floodprone area within the channel. The new channel will be based on the dimension, pattern, and profile characteristic of a stable reference reach.

Project Goals

Remove trash and stabilize streambanks to reduce streambank erosion and decrease suspended sediment load to 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.

Photos and Maps

Photo 1

Photo 2

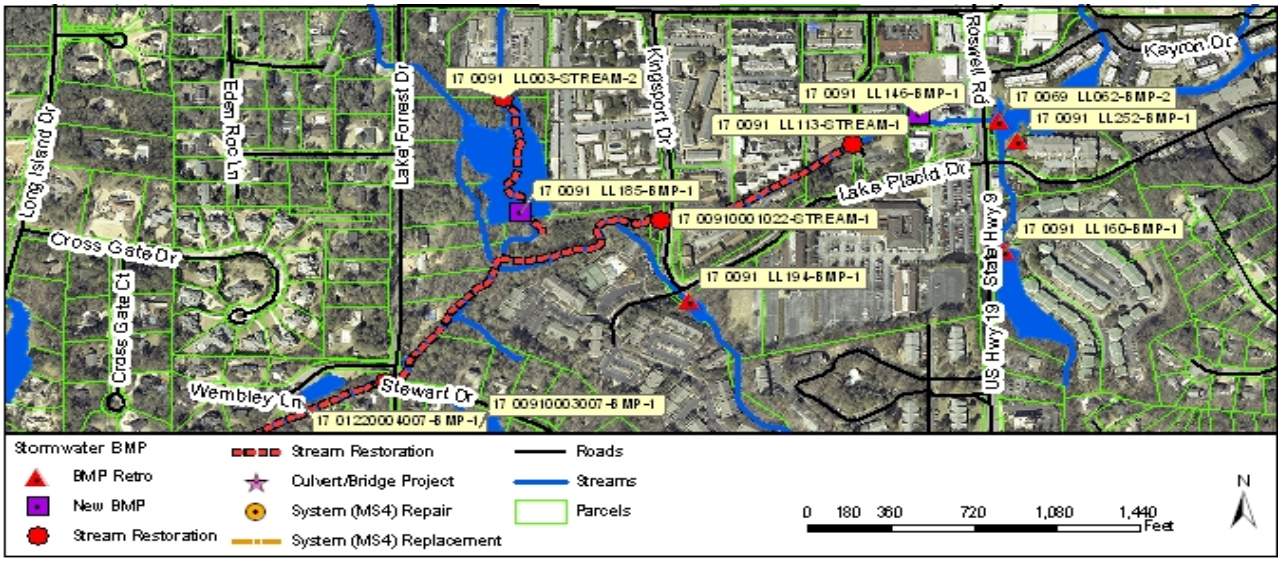

Figure 1 Plan View of Project with Aerial Photography

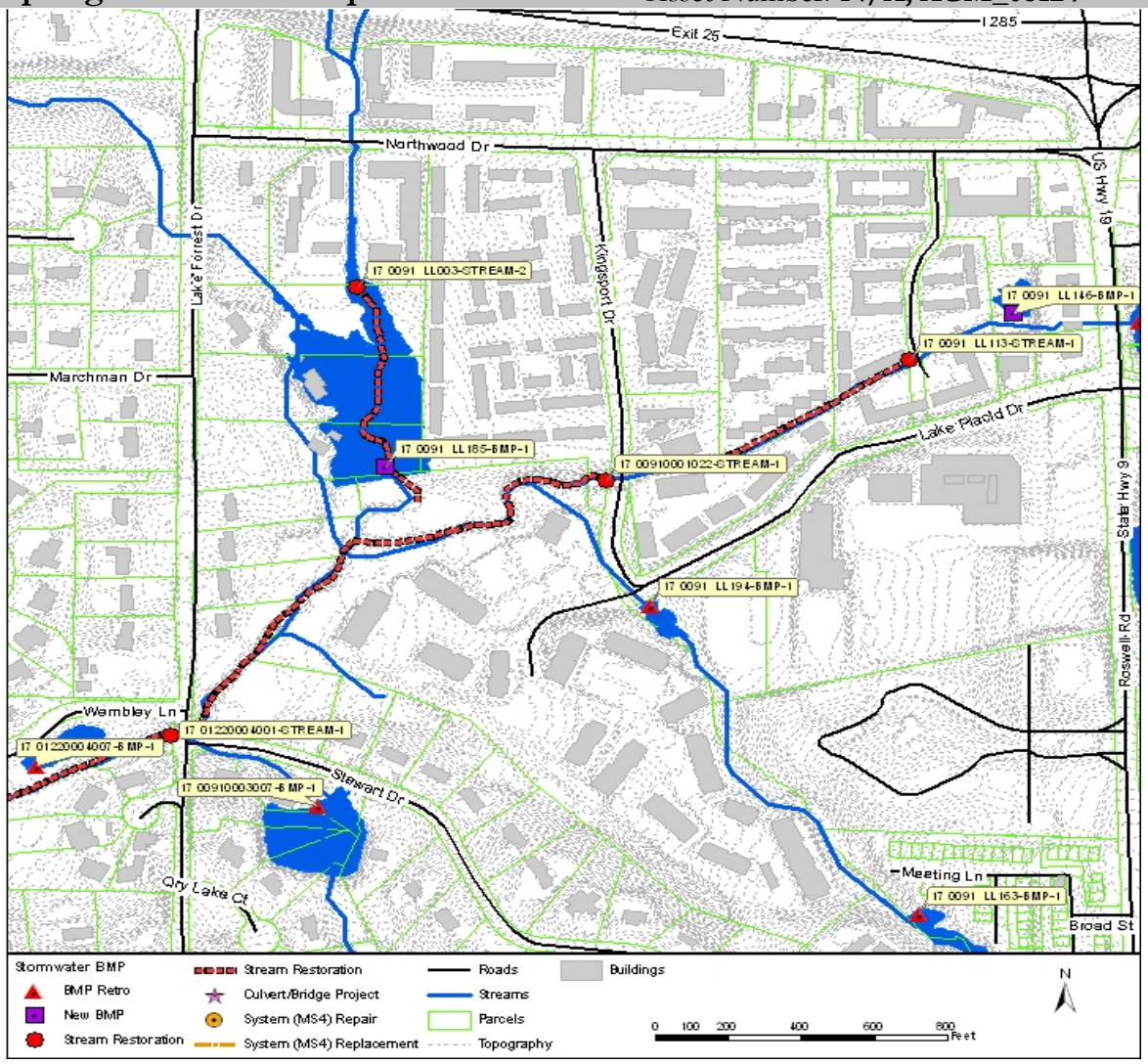

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	815	lb/ac/yr
Asset Ownership:	Not Applicable		Existing Volume:	N/A	ft^3
Parcel Ownership:	Private		Potential Volume:	N/A	ft^3
Land Use:	Commercial; Residential - 1 acre lot size; Woods - Grass Combination Fair		WQ Volume:	N/A	ft^3
			CP Volume:	N/A	ft^3
			25-Year Volume:	N/A	ft^3
			Stream Project Length:	1,607	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	3	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	25-50% LB	25-50% RB
Drainage Area:	844.8 acres		Bank Height:	4ft LB	6ft RB
FEMA Flood Hazard Zone:	AE, AE-FLOODWAY		Existing Risk:	27	
Max Flood Depth Over Road:	N/A ft		Proposed Risk:	11	
Flood Width Over Road:	N/A ft		Change in Risk:	15	
Structure Type:	N/A		**Benefit/Cost:**	1.91	
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 00910003007-BMP-1**
Asset Number: **AGM_11589**

Benefit/Cost:	1.33	Address:	45 Stewart Dr
Estimated Cost:	$488,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre area near Stewart Dr. 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

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

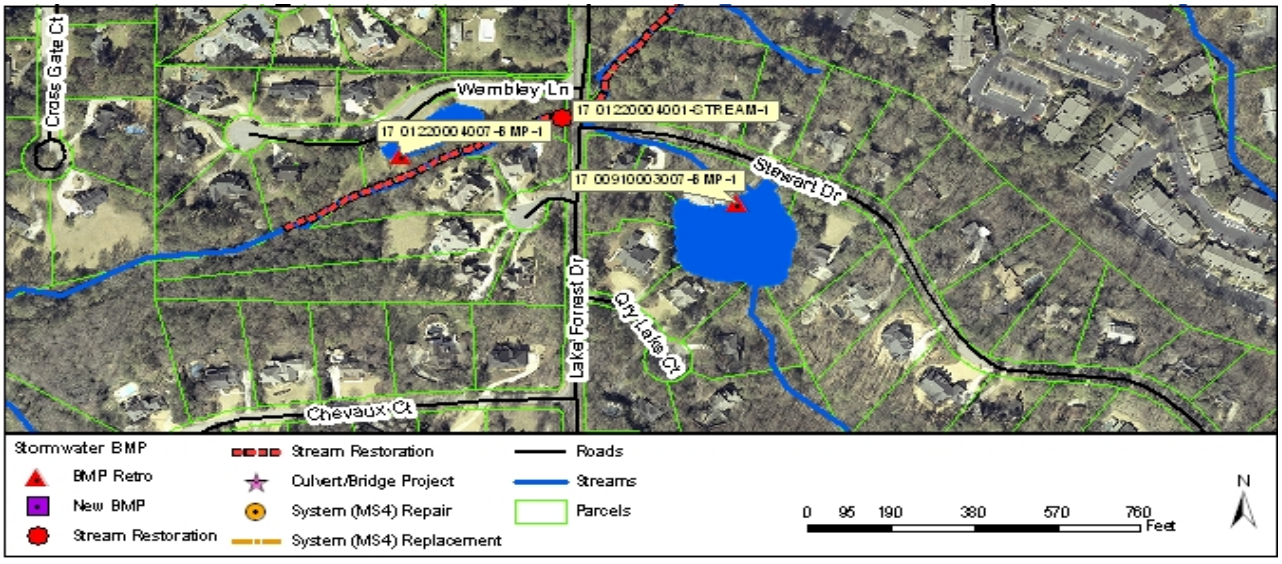

Figure 1 Plan View of Project with Aerial Photography

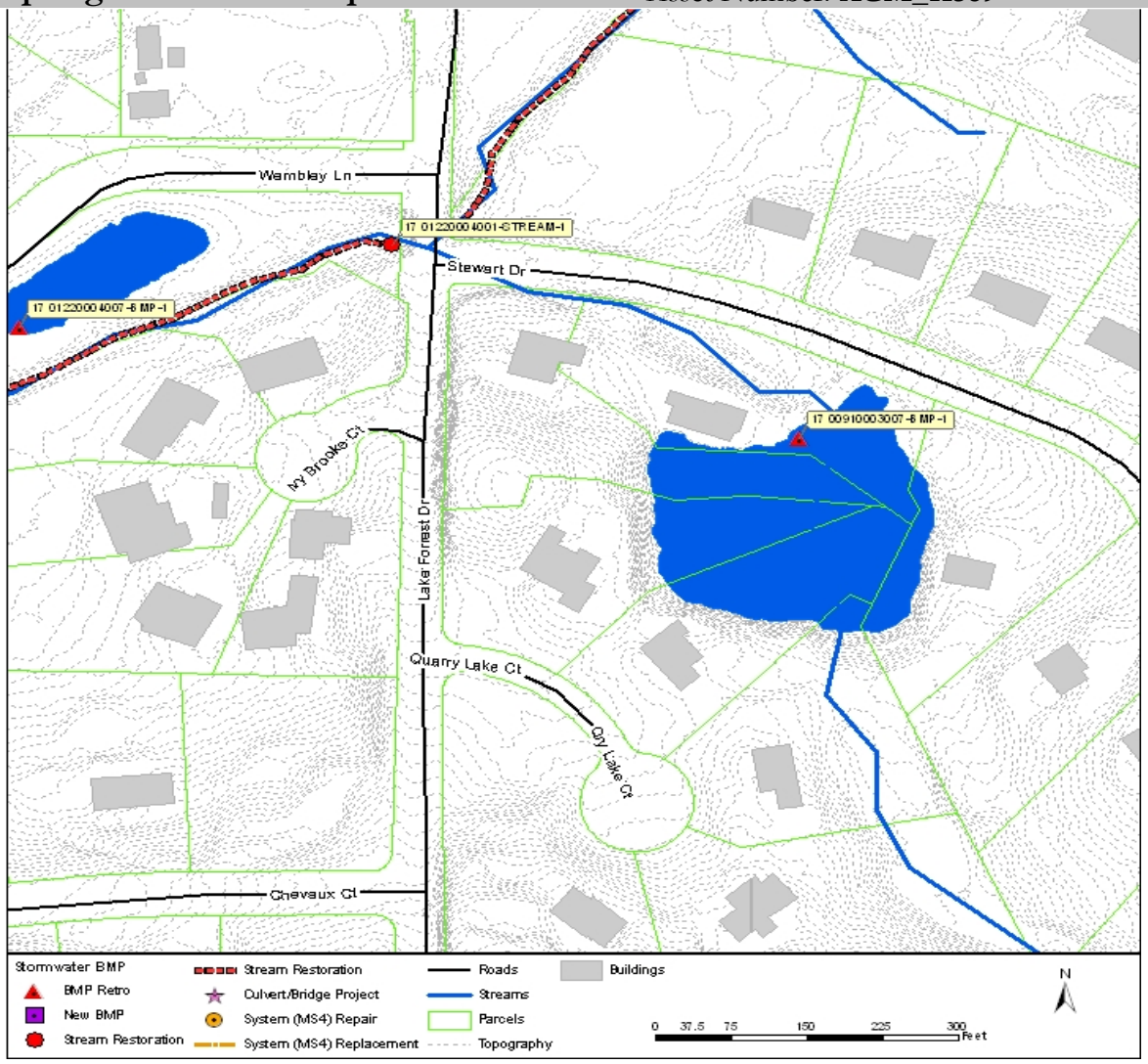

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	134	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	544,113	ft^3
Parcel Ownership:	Private		Potential Volume:	544,113	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	45,859	ft^3
			CP Volume:	160,540	ft^3
			25-Year Volume:	168,761	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	36.6	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	10	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	4	
Flood Width Over Road:	N/A	ft	Change in Risk:	5	
Structure Type:	N/A		**Benefit/Cost:**	1.33	
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 01210001069-BMP-1**
Asset Number: **AGM_04466**

Benefit/Cost:	1.33	Address:	250 Burdette Rd Nw
Estimated Cost:	$605,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre area near Burdette Rd Nw. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24210206. 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

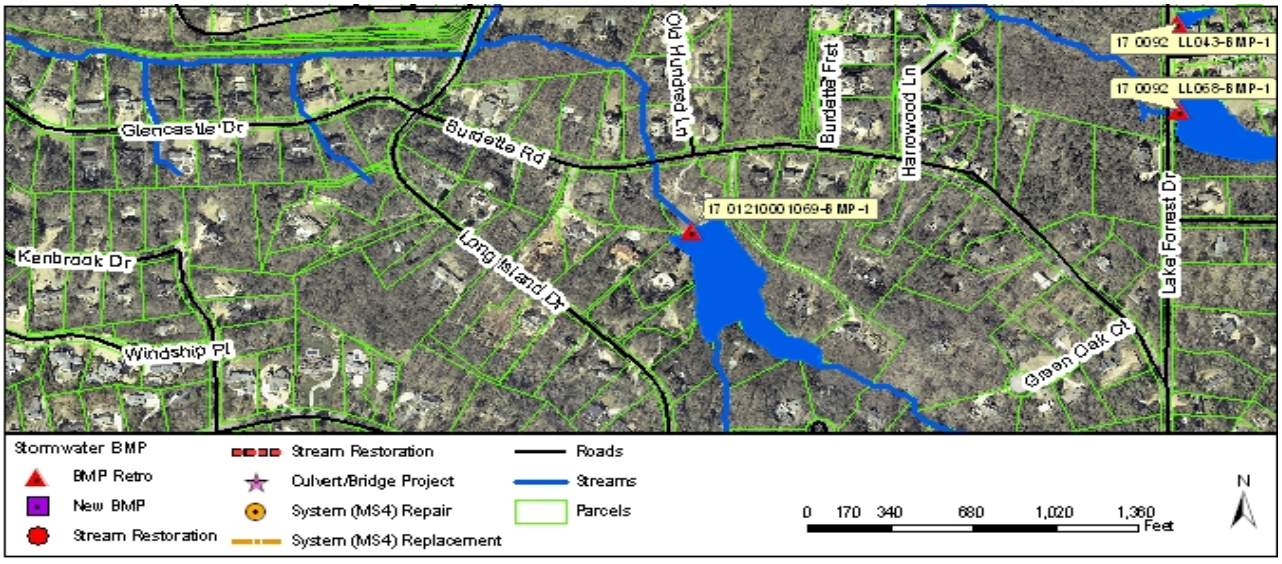

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 01210001069-BMP-1**

Sandy Springs Watershed Improvement Plan Asset Number: **AGM_04466**

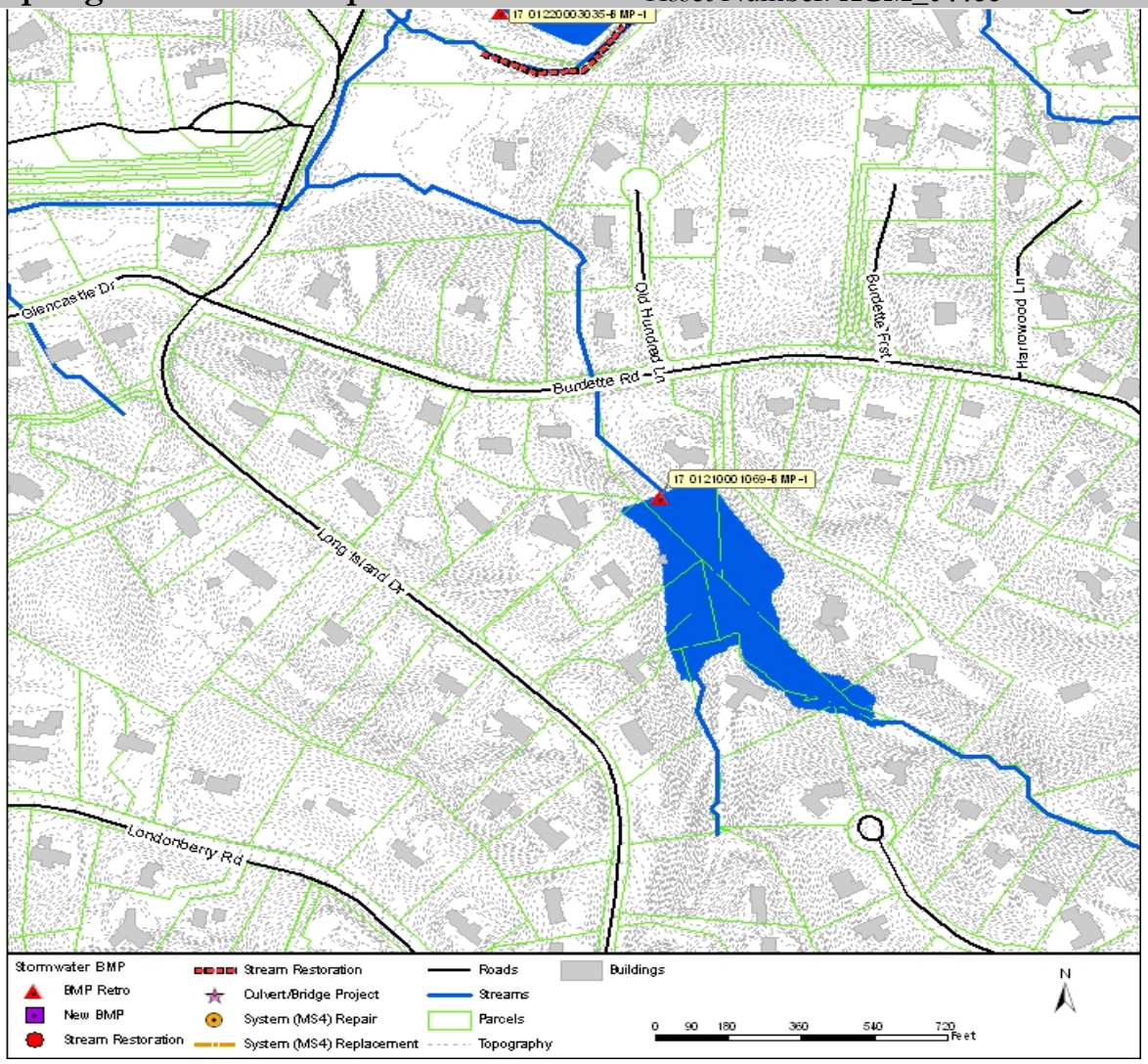

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	135	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	1,716,819	ft^3
Parcel Ownership:	Private		Potential Volume:	1,716,819	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	95,503	ft^3
			CP Volume:	327,834	ft^3
			25-Year Volume:	339,761	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	87.4	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	13	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	6	
Flood Width Over Road:	N/A	ft	Change in Risk:	7	
Structure Type:	N/A		**Benefit/Cost:**	1.33	
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 01220002040-STREAM-1**
Asset Number: **AGM_08237, AGM_08301**

Benefit/Cost:	4.10	Address:	5676 Long Island Dr
Estimated Cost:	$337,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

A level 2 stream restoration is proposed along approximately300 feet of stream where the stream is widening. Both banks are very steep. There is no buffer on left bank. The stream can be moved toward right bank as it is encroaching on properties along the left bank. 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 and decrease suspended sediment load to 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

Photo 2

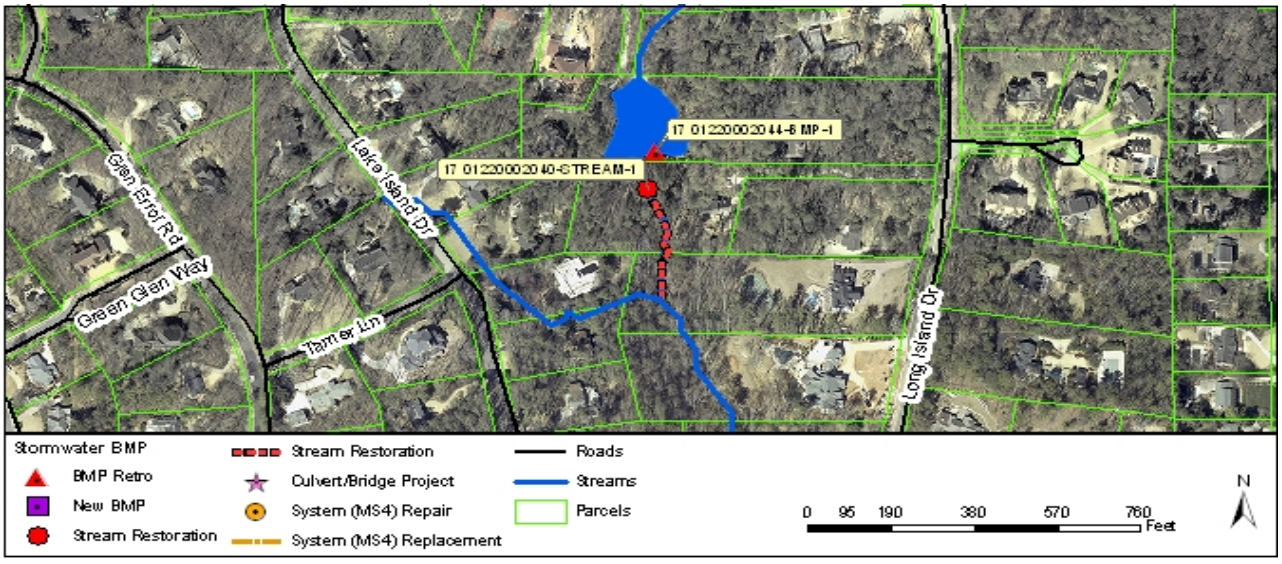

Figure 1 Plan View of Project with Aerial Photography

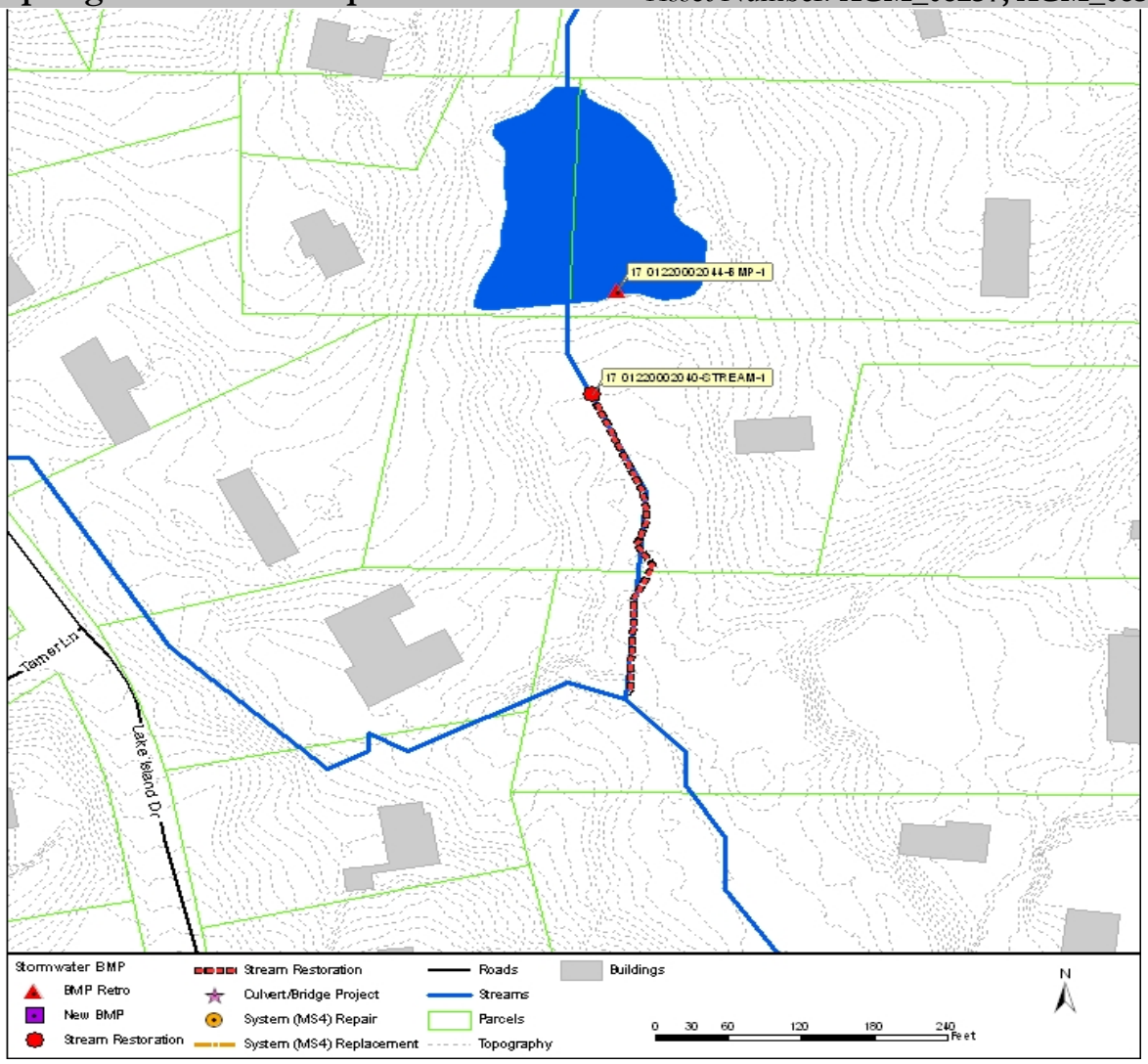

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	218	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		WQ Volume:	N/A	ft^3
			CP Volume:	N/A	ft^3
			25-Year Volume:	N/A	ft^3
			Stream Project Length:	301	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	75-100% RB
Drainage Area:	76.8	acres	Bank Height:	5.5ft LB	5ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	25	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	9	
Flood Width Over Road:	N/A	ft	Change in Risk:	16	
Structure Type:	N/A		**Benefit/Cost:**	4.10	
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 01220002042-BMP-1**
Asset Number: **AGM_08171**

Benefit/Cost:	1.87	Address:	5590 Long Island Dr
Estimated Cost:	$398,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond Extended Detention

Project Description

Build a new wet extended detention pond. The new BMP is located on a Residential - 1 acre area near Long Island Dr. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24220415. 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. Closest Asset number chosen.

Project Goals

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

Photos and Maps

Photo 1

Photo 2

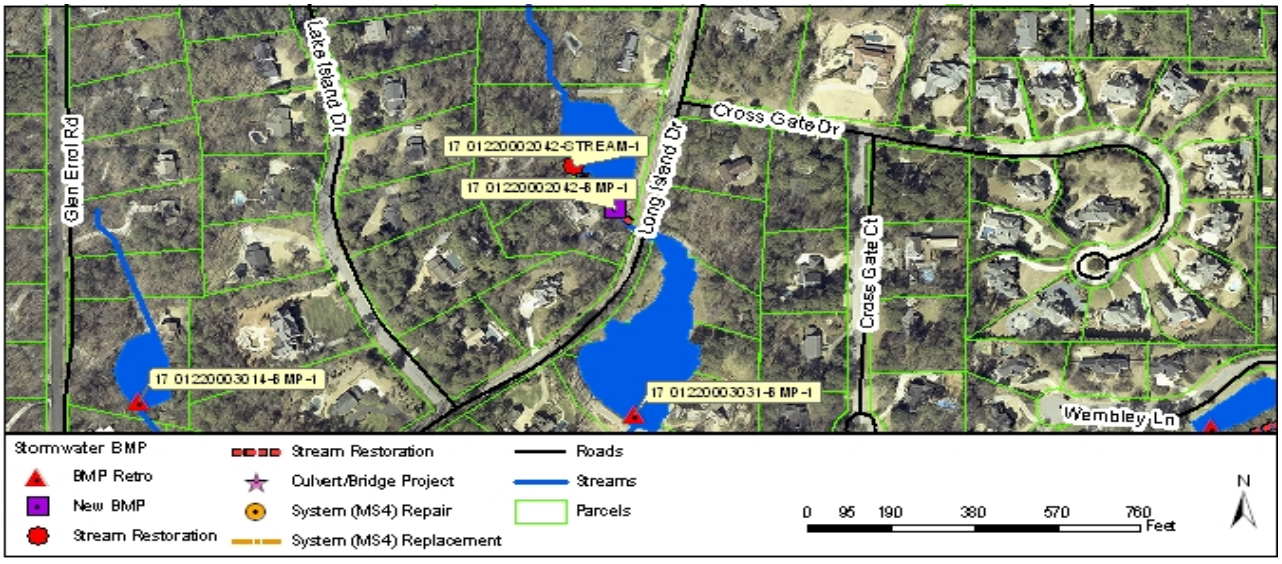

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 01220002042-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_08171**

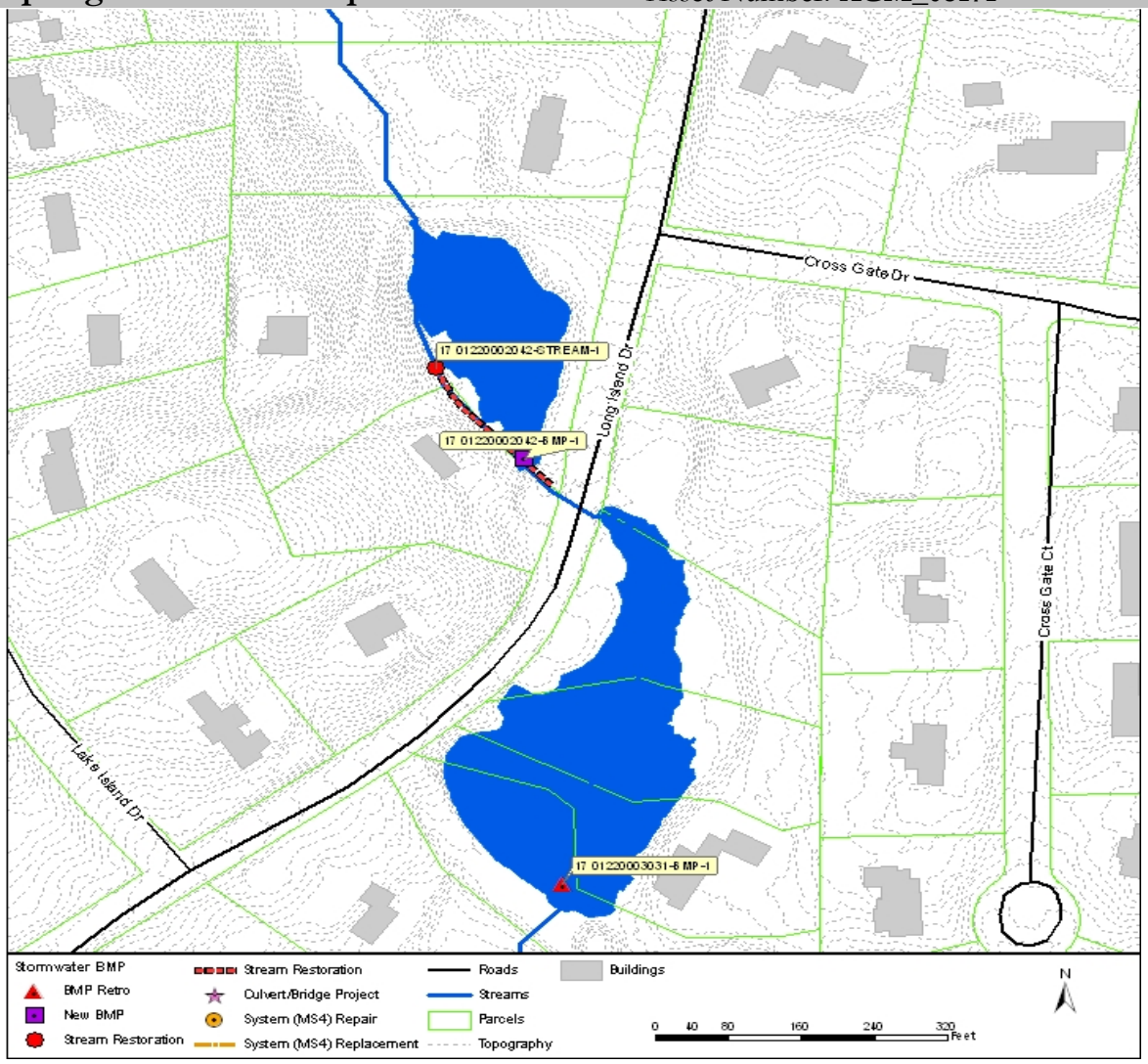

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	379	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	66,649	ft^3
Parcel Ownership:	Private		Potential Volume:	66,649	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	222,046	ft^3
			CP Volume:	684,838	ft^3
			25-Year Volume:	734,745	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	165.2	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500		Existing Risk:	34	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	26	
Flood Width Over Road:	N/A	ft	Change in Risk:	7	
Structure Type:	N/A		**Benefit/Cost:**	1.87	
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 01220002042-STREAM-1**
Asset Number: **AGM_08248, AGM_08171**

Benefit/Cost:	2.67	Address:	5590 Long Island Dr
Estimated Cost:	$199,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 4 stream restoration is proposed along left bank. Left bank is very steep with an erosion score of 75-100%. There is no vegetative cover on left buffer. 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 and decrease suspended sediment load to 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.

Photos and Maps

Photo 1

Photo 2

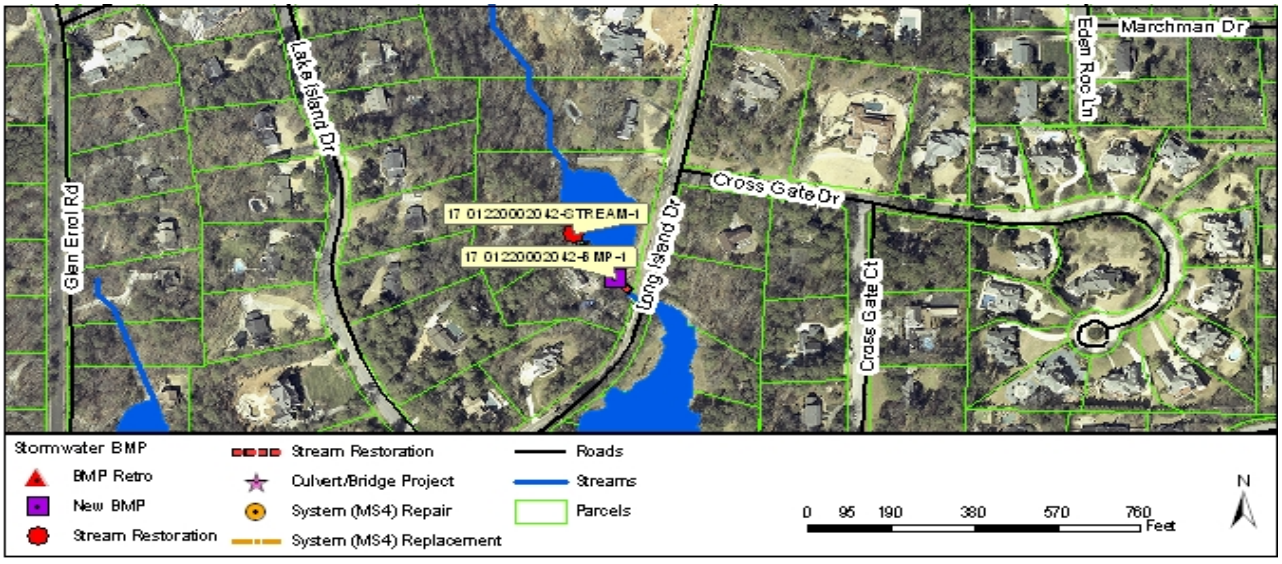

Figure 1 Plan View of Project with Aerial Photography

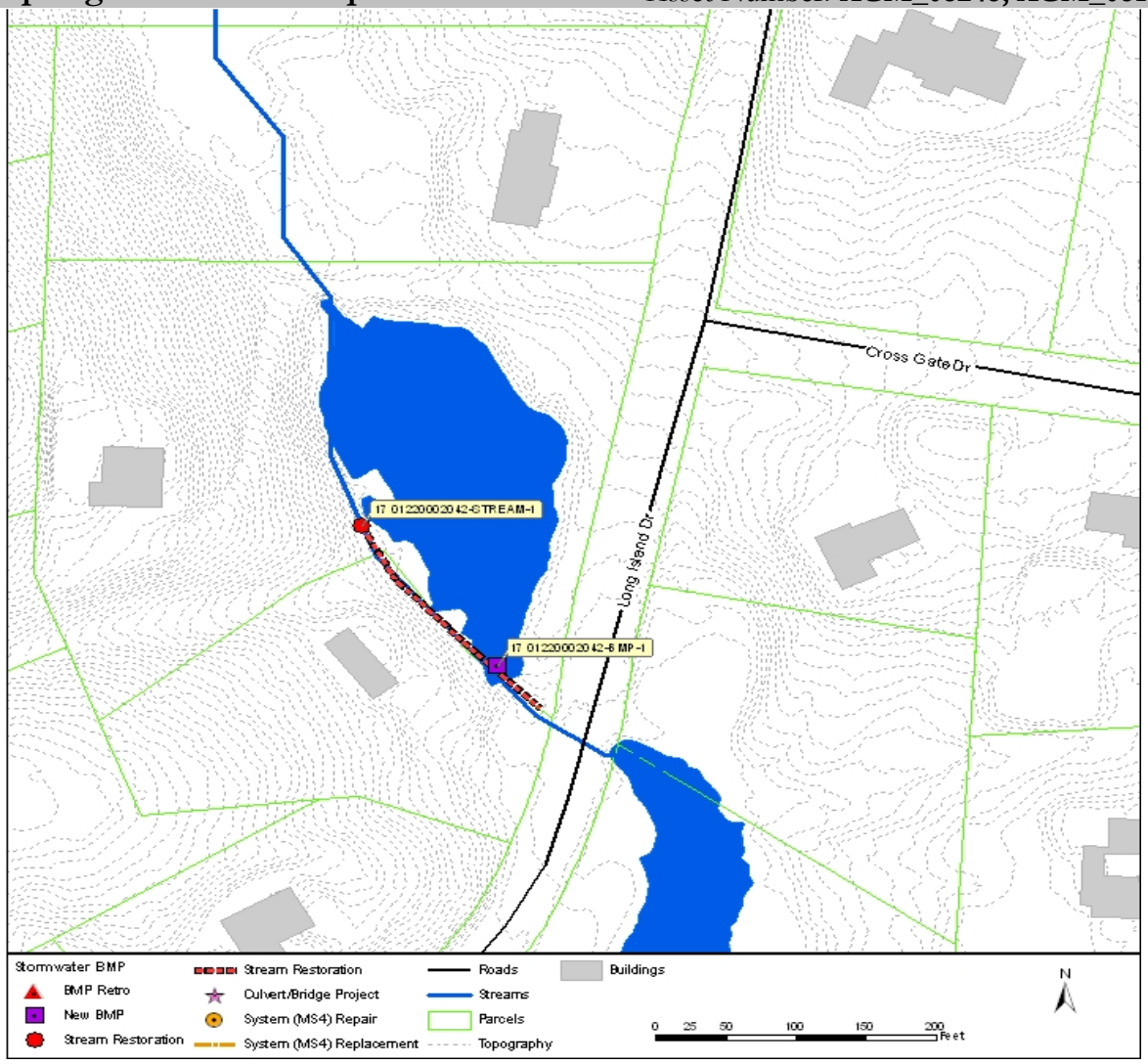

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	368	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:	198	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	0-25% RB
Drainage Area:	158.5	acres	Bank Height:	4ft LB	4ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	18	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	10	
Flood Width Over Road:	N/A	ft	Change in Risk:	8	
Structure Type:	N/A		**Benefit/Cost:**	2.67	
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 01220002044-BMP-1**
Asset Number: **AGM_08236**

Benefit/Cost:	2.47	Address:	5696 Long Island Dr
Estimated Cost:	$911,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre; Woods - Grass Combination area near Long Island Dr. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24220417. 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 expanding the BMP's footprint to increase it's capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

Photo 2

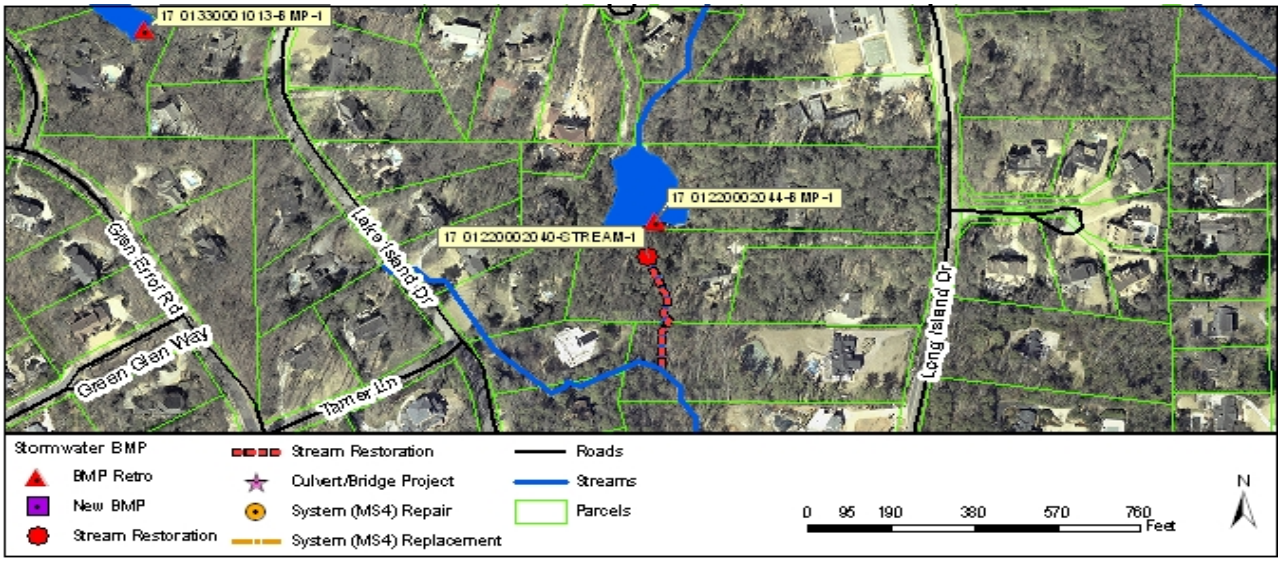

Figure 1 Plan View of Project with Aerial Photography

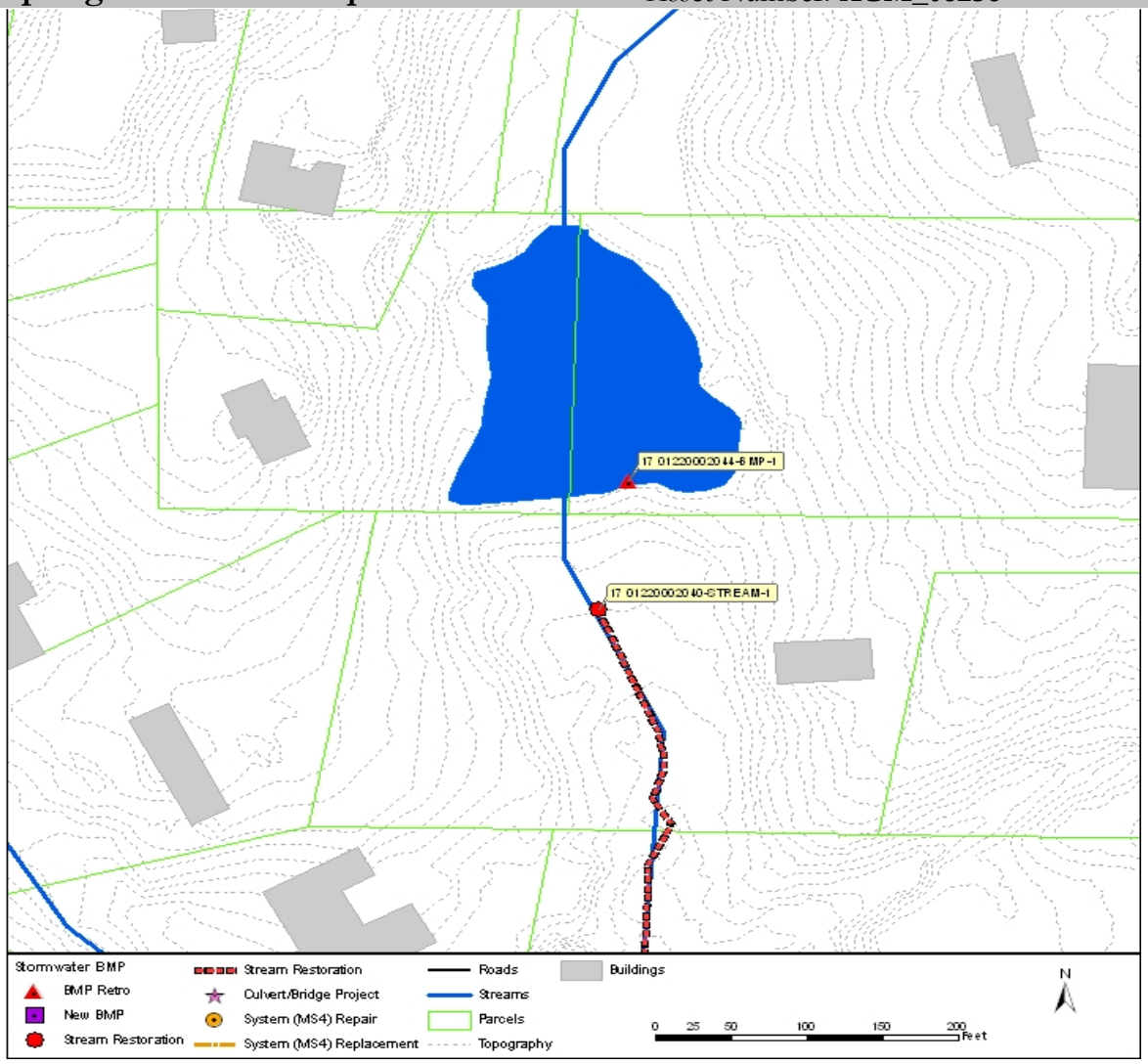

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	196	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	133,447	ft^3
Parcel Ownership:	Private		Potential Volume:	200,170	ft^3
Land Use:	Residential - 1 acre lot size;		WQ Volume:	122,512	ft^3
	Water; Woods - Grass		CP Volume:	351,772	ft^3
	Combination Fair		25-Year Volume:	392,028	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	76.0	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500		Existing Risk:	30	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	15	
Flood Width Over Road:	N/A	ft	Change in Risk:	15	
Structure Type:	N/A		**Benefit/Cost:**	2.47	
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 01220003014-BMP-1**
Asset Number: **AGM_08255**

Benefit/Cost:	1.59	Address:	5545 Glen Errol Rd
Estimated Cost:	$713,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 2 acre area near Glen Errol Rd. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24220416. 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 expanding the BMP's footprint to increase it's capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

Photo 2

No photo available

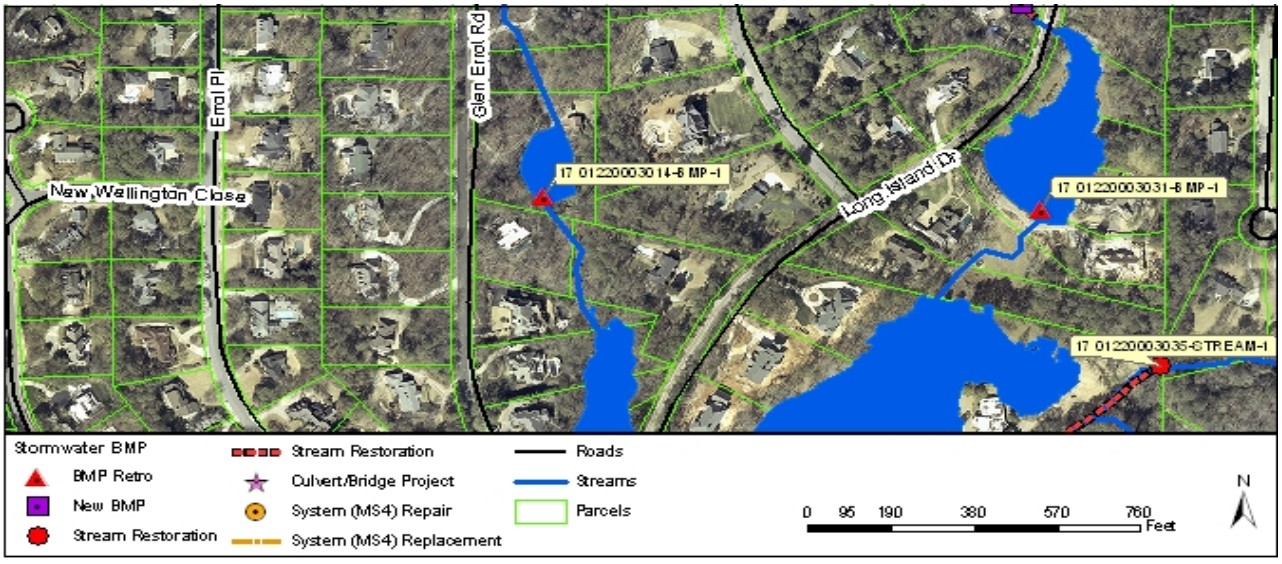

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 01220003014-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_08255**

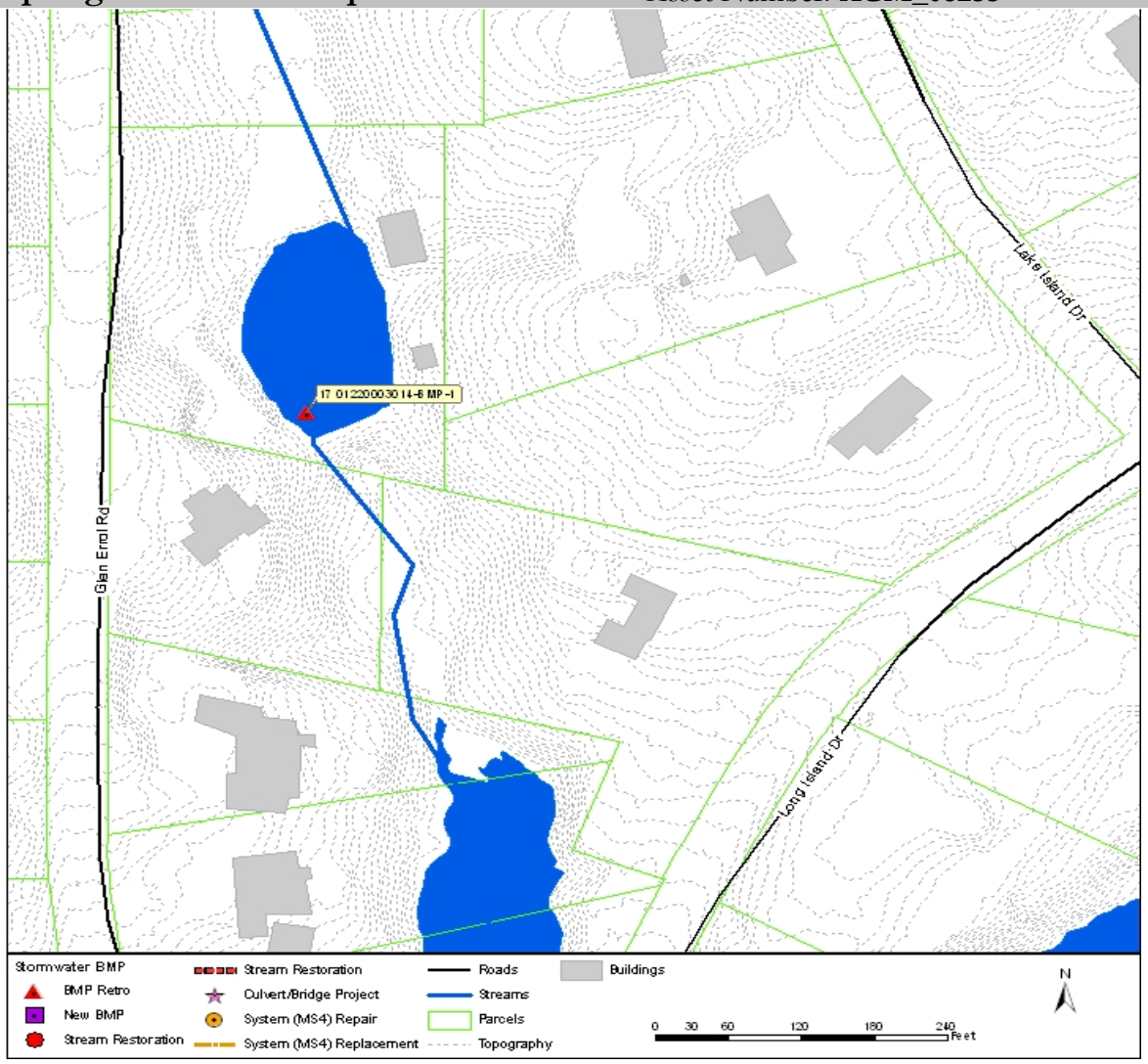

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	104	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	145,076	ft^3
Parcel Ownership:	Private		Potential Volume:	181,345	ft^3
Land Use:	Residential - 2 acre lot size; Water		WQ Volume:	53,768	ft^3
			CP Volume:	144,729	ft^3
			25-Year Volume:	147,225	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	40.2	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	18	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	10	
Flood Width Over Road:	N/A	ft	Change in Risk:	8	
Structure Type:	N/A		**Benefit/Cost:**	1.59	
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 01220003026-BMP-1**
Asset Number: **AGM_08157**

Benefit/Cost:	0.99	Address:	5495 Glen Errol Rd
Estimated Cost:	$1,273,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre area near Glen Errol Rd. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24220413. 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. Note: This dam is now breach and must be repaired in order to implement the proposed modifications

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 and expanding the BMP's footprint to increase capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

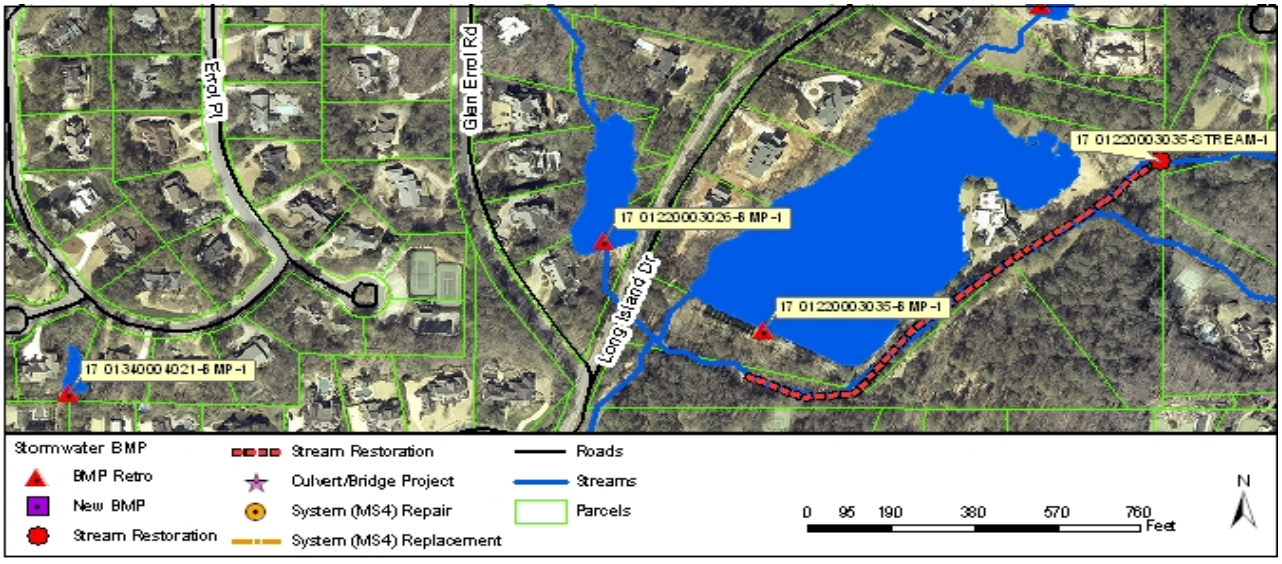

Figure 1 Plan View of Project with Aerial Photography

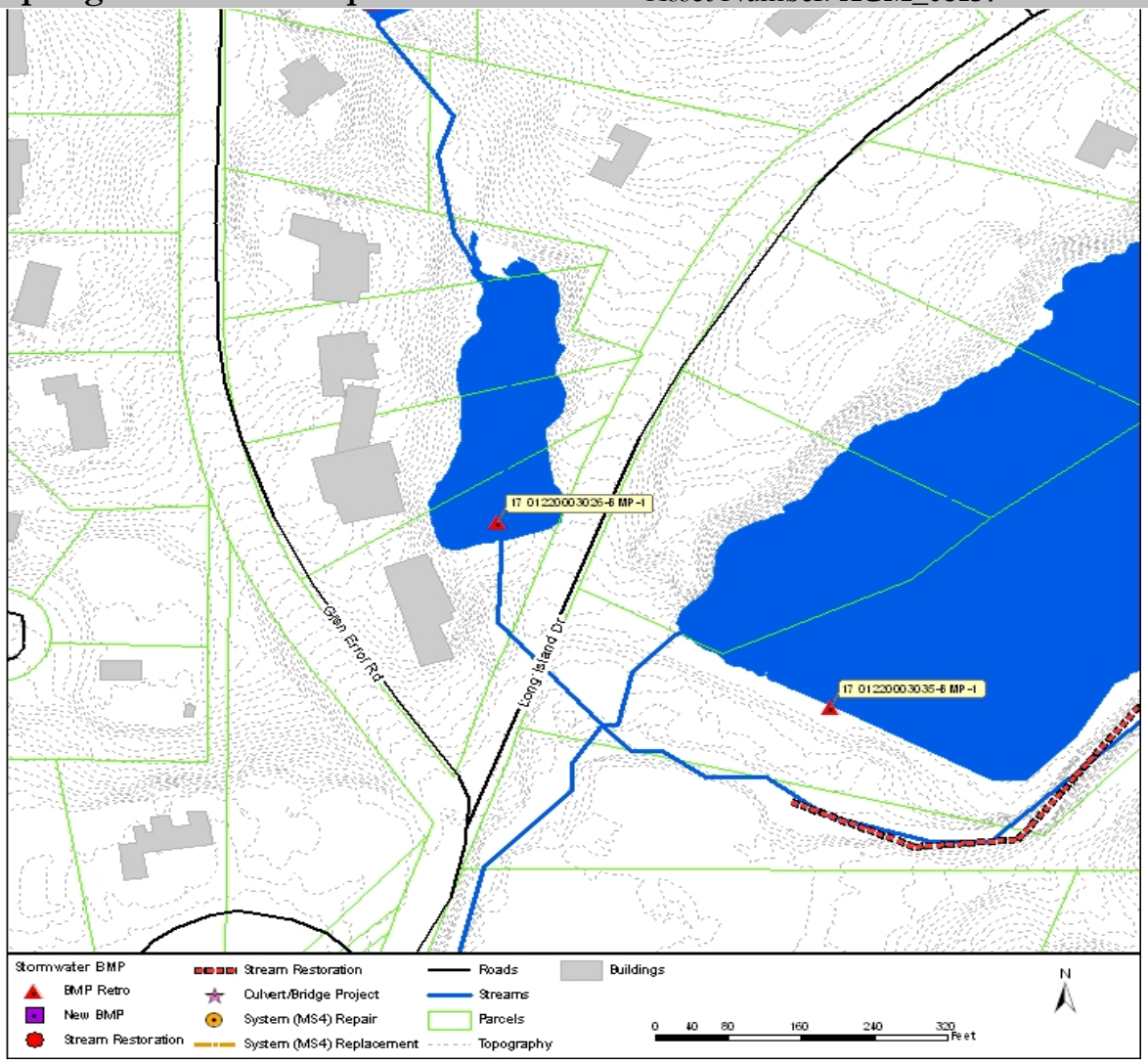

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	86	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	277,290	ft^3
Parcel Ownership:	Private		Potential Volume:	394,955	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	64,860	ft^3
			CP Volume:	175,971	ft^3
			25-Year Volume:	178,642	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	48.3	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	15	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	8	
Flood Width Over Road:	N/A	ft	Change in Risk:	7	
Structure Type:	N/A		**Benefit/Cost:**	0.99	
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 01220003031-BMP-1**
Asset Number: **AGM_08166**

Benefit/Cost:	2.06	Address:	5537 Long Island Dr
Estimated Cost:	$380,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre area near Long Island Dr. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24220412. 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

No photo available

Photo 2

No photo available

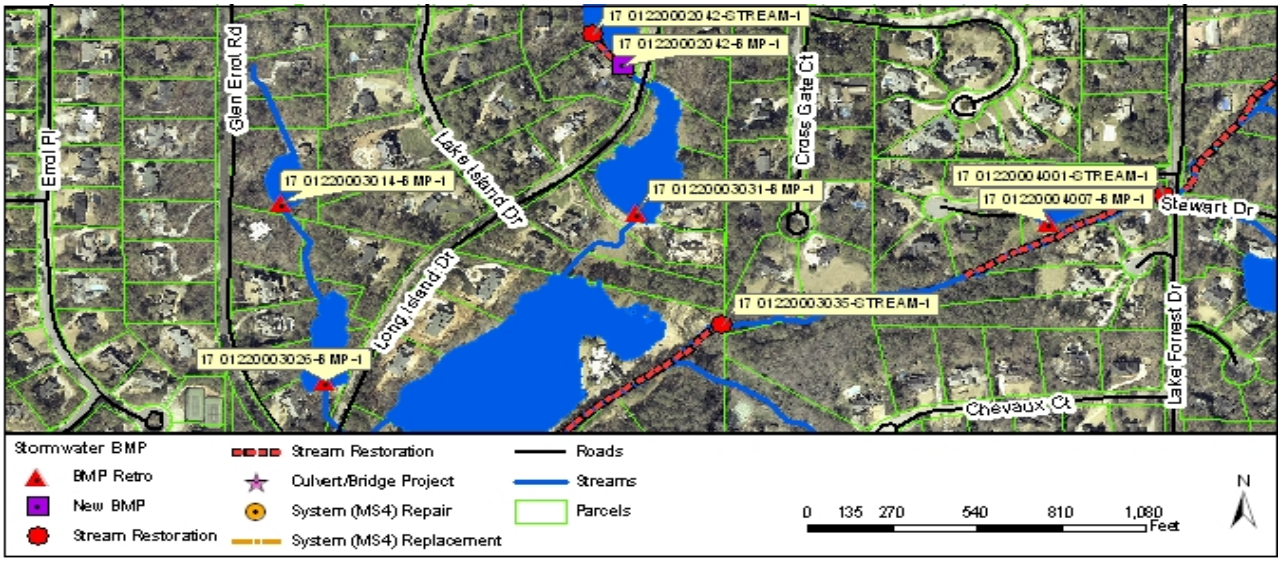

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 01220003031-BMP-1**
Asset Number: **AGM_08166**

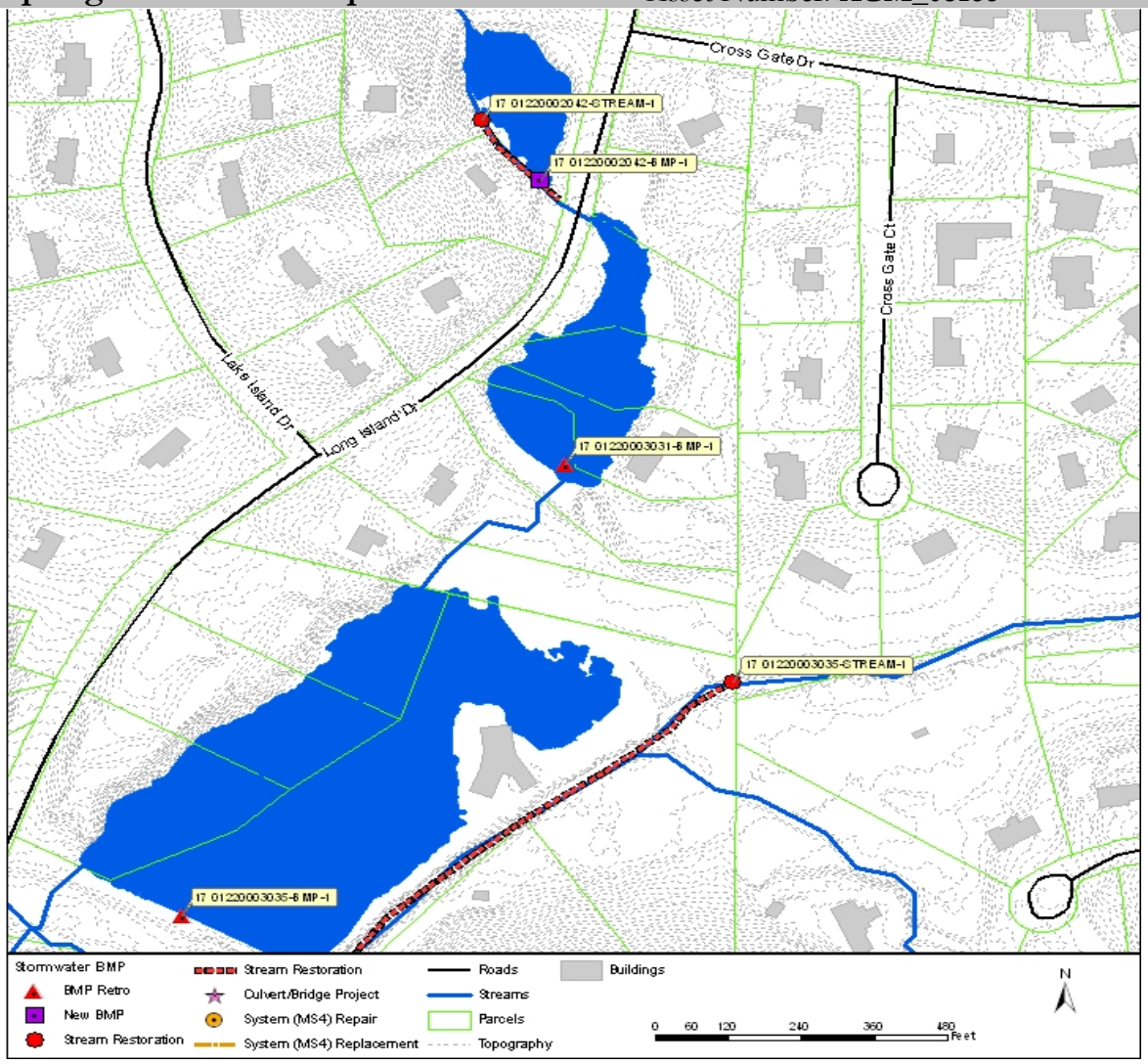

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	144	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	849,769	ft^3
Parcel Ownership:	Private		Potential Volume:	849,769	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	255,615	ft^3
			CP Volume:	776,246	ft^3
			25-Year Volume:	831,628	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	187.4 acres		Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	18	
Max Flood Depth Over Road:	N/A ft		Proposed Risk:	10	
Flood Width Over Road:	N/A ft		Change in Risk:	8	
Structure Type:	N/A		**Benefit/Cost:**	2.06	
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 01220003035-BMP-1**
Asset Number: **AGM_04459**

Benefit/Cost:	2.25	Address:	5503 Long Island Dr
Estimated Cost:	$618,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 2 acre area near Long Island Dr. 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. Closest Asset number chosen.

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 removing trees from the dam embankment.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

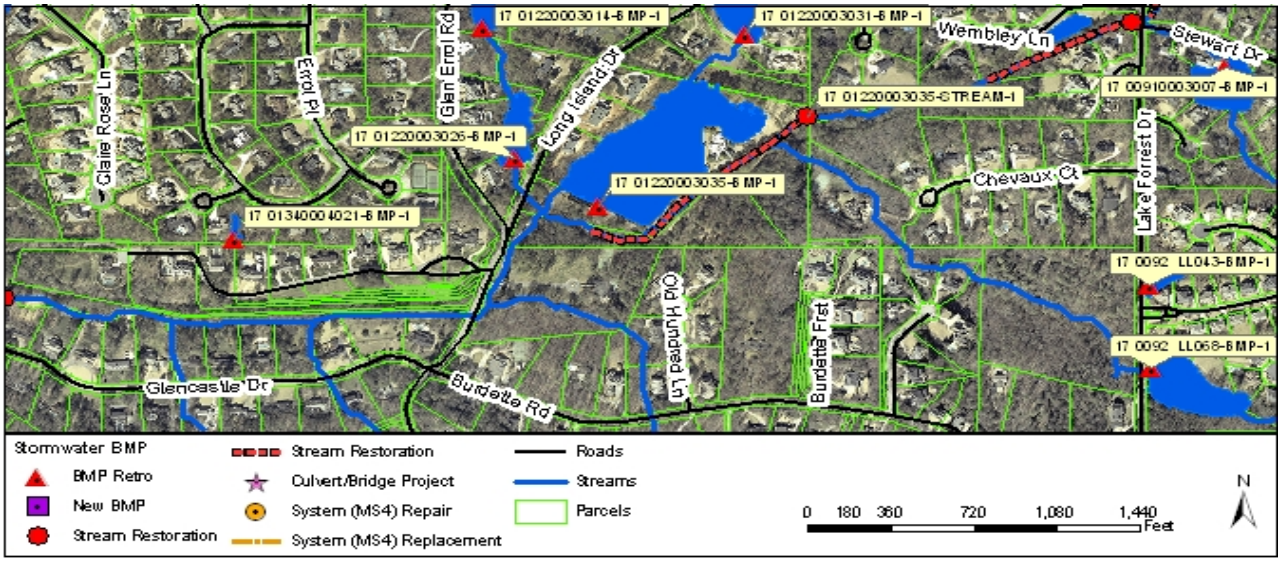

Figure 1 Plan View of Project with Aerial Photography

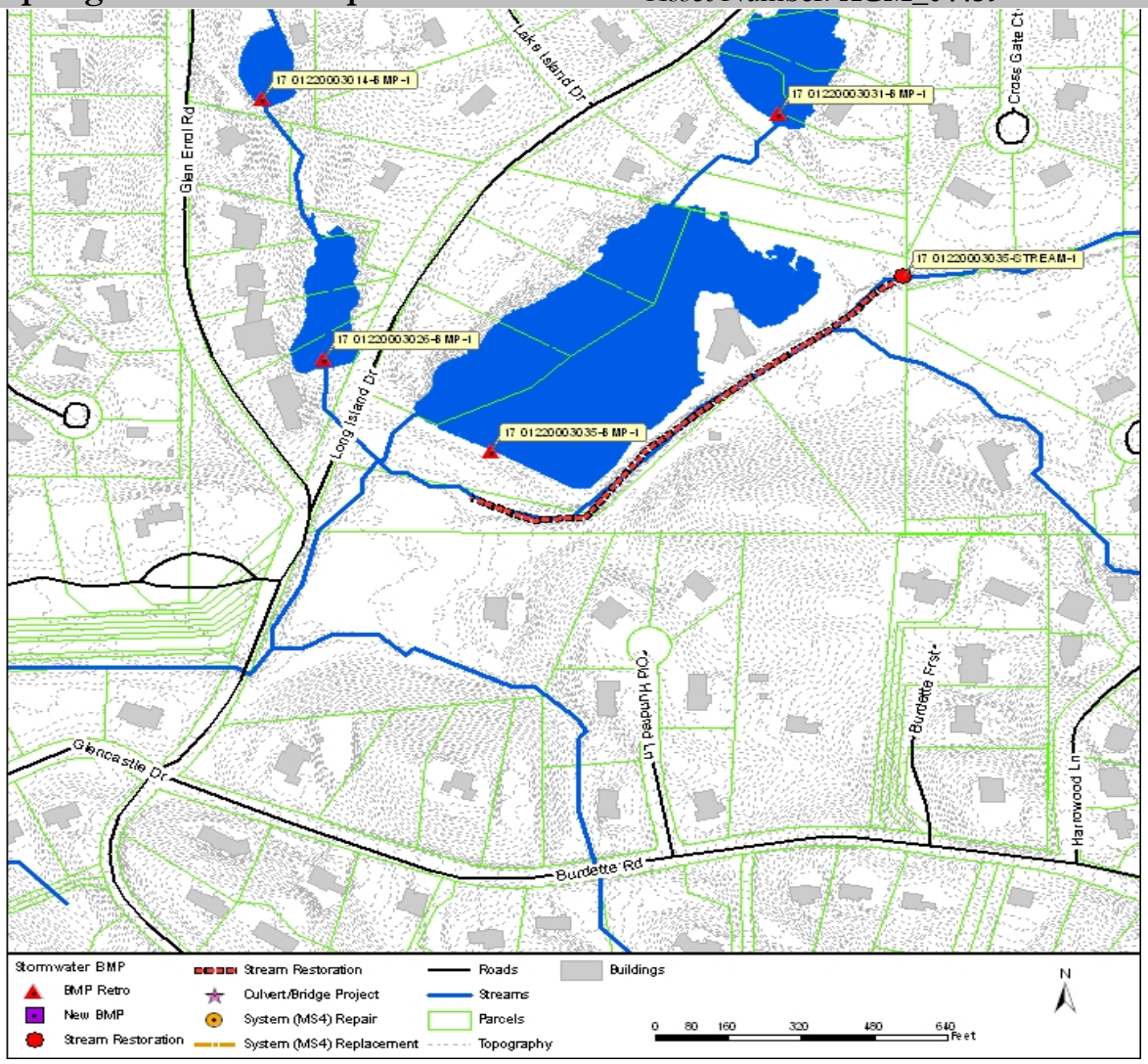

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	72	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	3,820,618	ft^3
Parcel Ownership:	Private		Potential Volume:	3,820,618	ft^3
Land Use:	Residential - 2 acre lot size; Water		WQ Volume:	288,127	ft^3
			CP Volume:	882,144	ft^3
			25-Year Volume:	956,063	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	203.5 acres		Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	AE, AE-FLOODWAY		Existing Risk:	26	
Max Flood Depth Over Road:	N/A ft		Proposed Risk:	15	
Flood Width Over Road:	N/A ft		Change in Risk:	11	
Structure Type:	N/A		**Benefit/Cost:**	2.25	
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 01220003035-STREAM-1**
Asset Number: **AGM_08167, AGM_08299**

Benefit/Cost:	3.07	Address:	5503 Long Island Dr
Estimated Cost:	$1,210,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 3 stream restoration is proposed along approximately a 1,200 foot reach with very steep banks where the stream has incised and widened. Trees have been lost to bank collapse. A Level 3 approach includes restoring the degraded channel to a stable condition at existing grade and providing a floodprone area within the channel. 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.

Photos and Maps

Photo 1

Photo 2

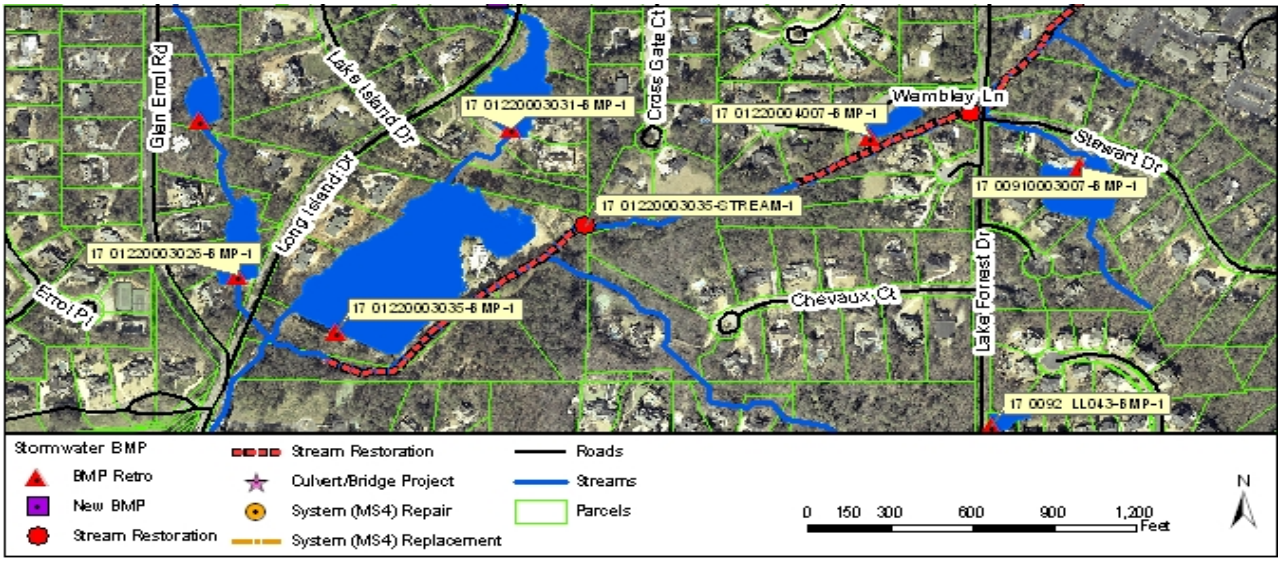

Figure 1 Plan View of Project with Aerial Photography

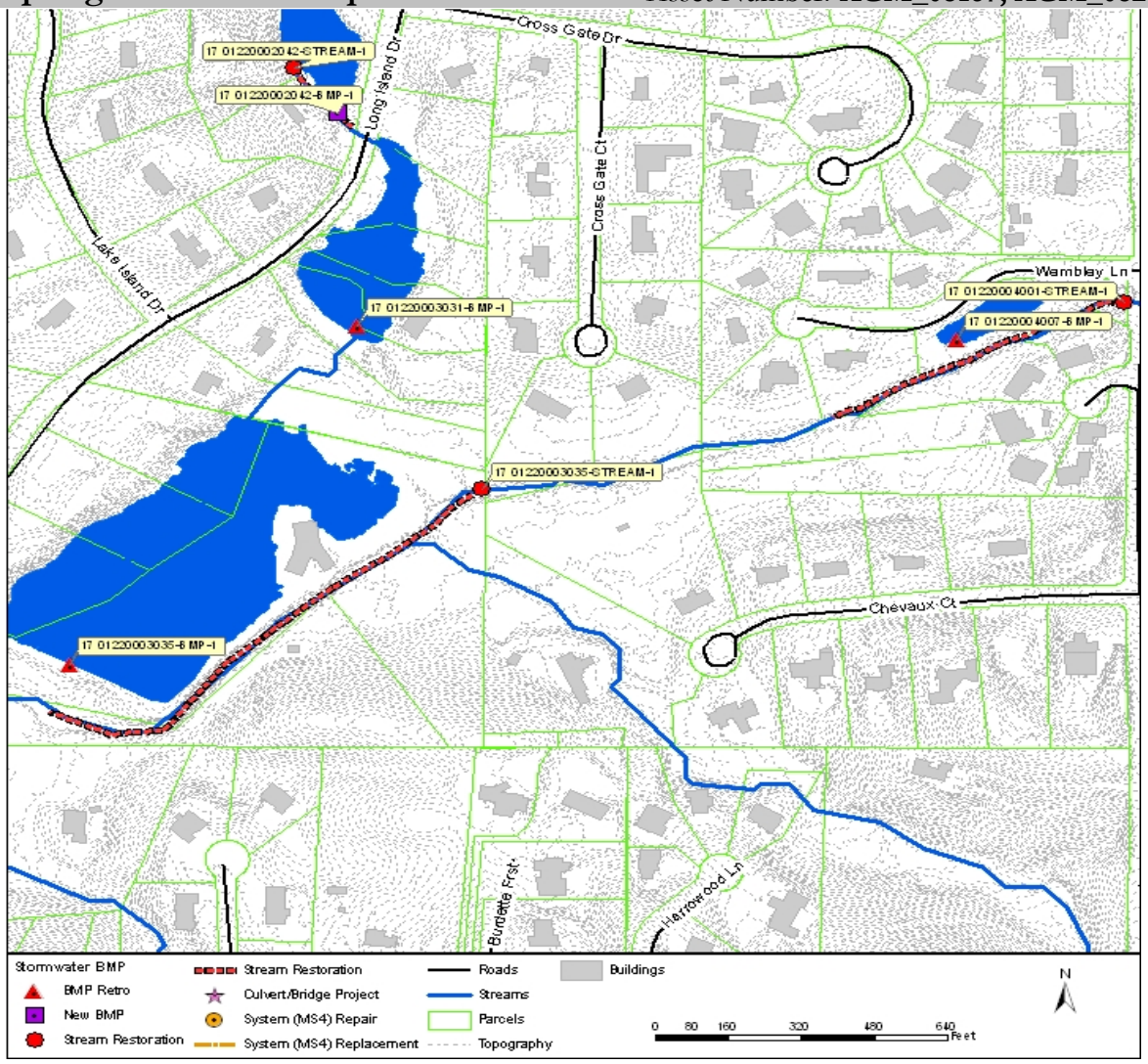

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	1,333	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; Residential - 2 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:	1,202	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	3	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	0-25% RB
Drainage Area:	1,445.6 acres		Bank Height:	5ft LB	5ft RB
FEMA Flood Hazard Zone:	AE-FLOODWAY		Existing Risk:	31	
Max Flood Depth Over Road:	N/A ft		Proposed Risk:	9	
Flood Width Over Road:	N/A ft		Change in Risk:	21	
Structure Type:	N/A		**Benefit/Cost:**	3.07	
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 01220004001-STREAM-1**
Asset Number: **AGM_08127, AGM_08154**

Benefit/Cost:	6.94	Address:	0 Lake Forest Drive
Estimated Cost:	$728,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 3 stream restoration is proposed along approximately a 700 foot reach with very steep banks where the stream has incised and widened. The left bank is encroaching on property and a fence is less than 2 feet from top of left bank. A Level 3 approach includes restoring the degraded channel to a stable condition at existing grade and providing a floodprone area within the channel. 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

Photo 2

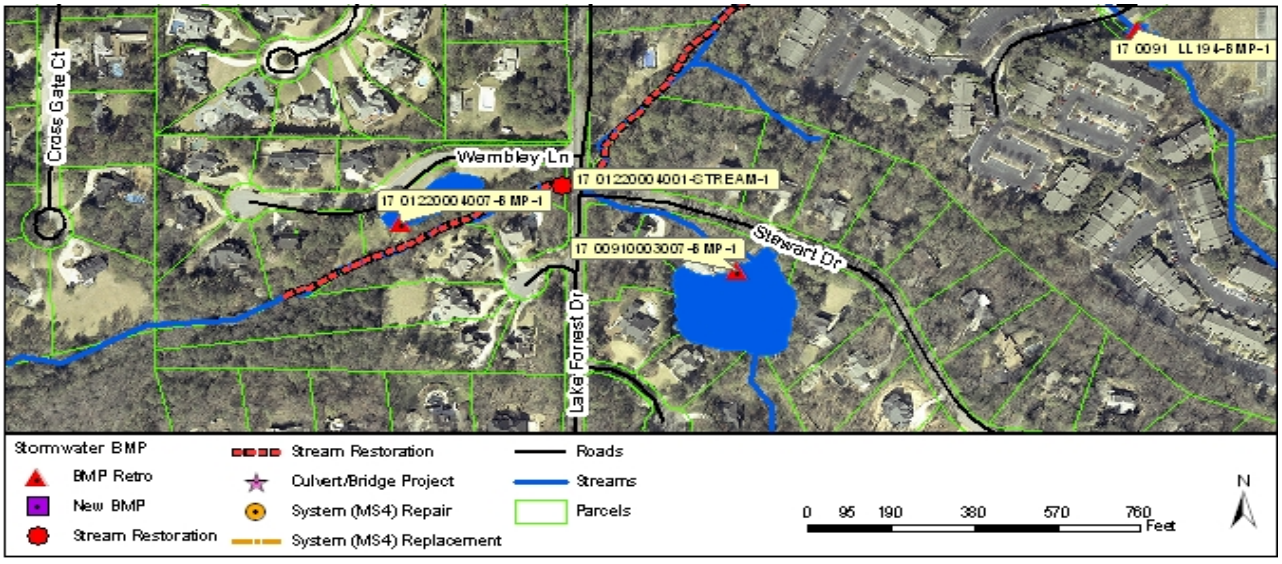

Figure 1 Plan View of Project with Aerial Photography

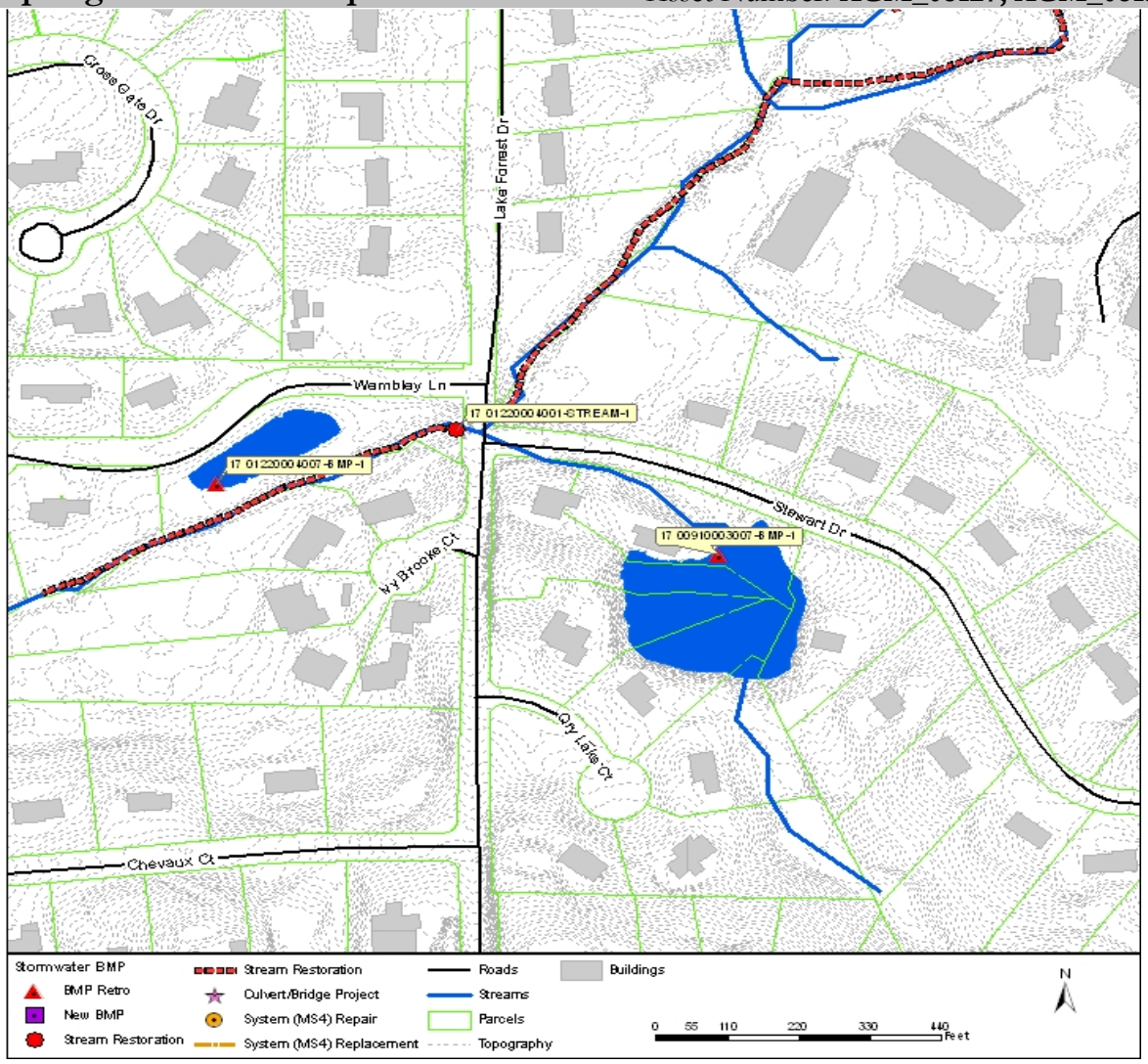

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	1,116	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:	710	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	3	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	75-100% RB
Drainage Area:	1,389.1 acres		Bank Height:	4ft LB	5ft RB
FEMA Flood Hazard Zone:	AE-FLOODWAY		Existing Risk:	46	
Max Flood Depth Over Road:	N/A ft		Proposed Risk:	12	
Flood Width Over Road:	N/A ft		Change in Risk:	35	
Structure Type:	N/A		**Benefit/Cost:**	6.94	
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: **17 01220004007-BMP-1**
Asset Number: **AGM_08135**

Benefit/Cost:	1.13	Address:	0 Lake Forest Dr
Estimated Cost:	$340,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre area near Lake Forest Dr. 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

No photo available

Photo 2

No photo available

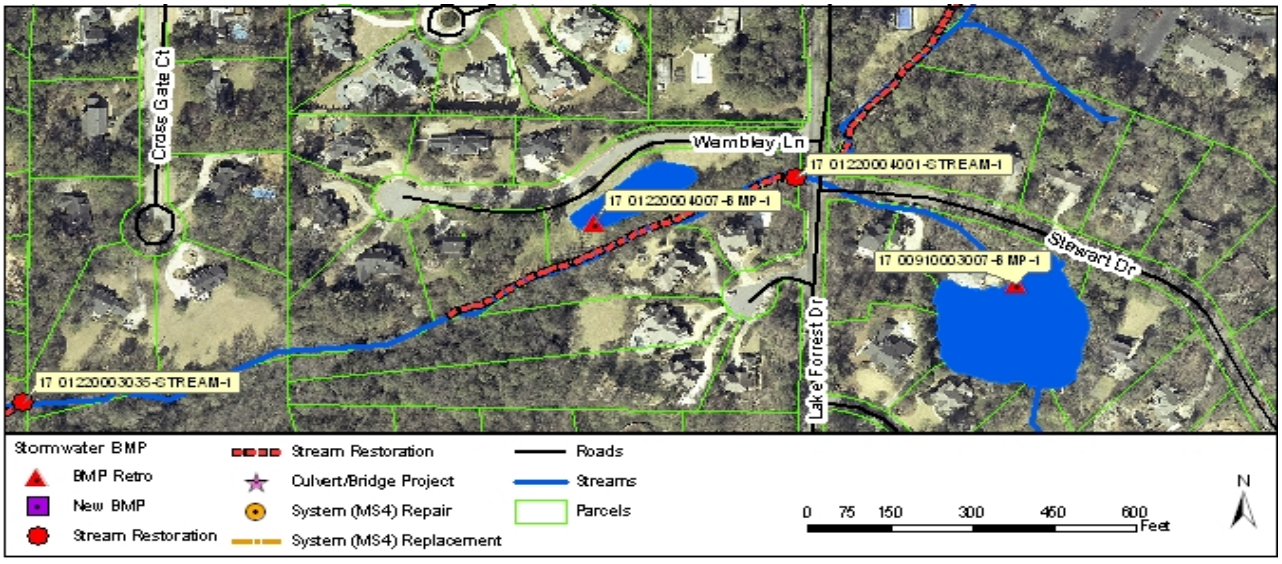

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 01220004007-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_08135**

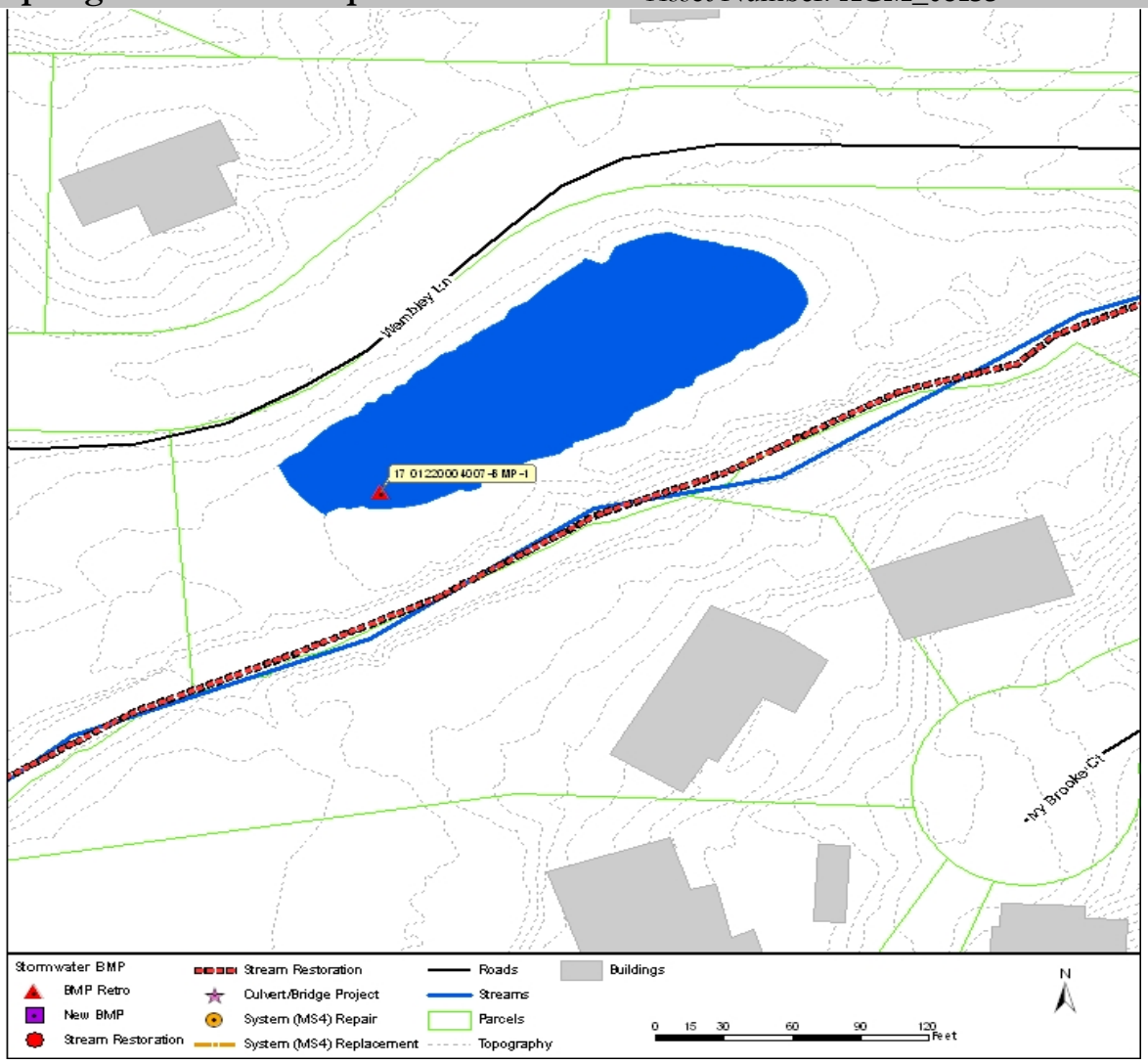

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	50	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	72,303	ft^3
Parcel Ownership:	Private		Potential Volume:	72,303	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	34,709	ft^3
			CP Volume:	94,978	ft^3
			25-Year Volume:	109,015	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	21.2	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	AE		Existing Risk:	17	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	12	
Flood Width Over Road:	N/A	ft	Change in Risk:	5	
Structure Type:	N/A		**Benefit/Cost:**	1.13	
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 01230003042-BMP-1**
Asset Number: **AGM_07980**

Benefit/Cost:	4.58	Address:	42 Ridgemere Trc
Estimated Cost:	$877,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Woods - Grass Combination area near Ridgemere Trc. 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 a portion of the channel protection benefits by converting it to a micropool extended detention pond and redesigning the control structure. Modifications include expanding the BMP's footprint to increase it's capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

Photo 2

No photo available

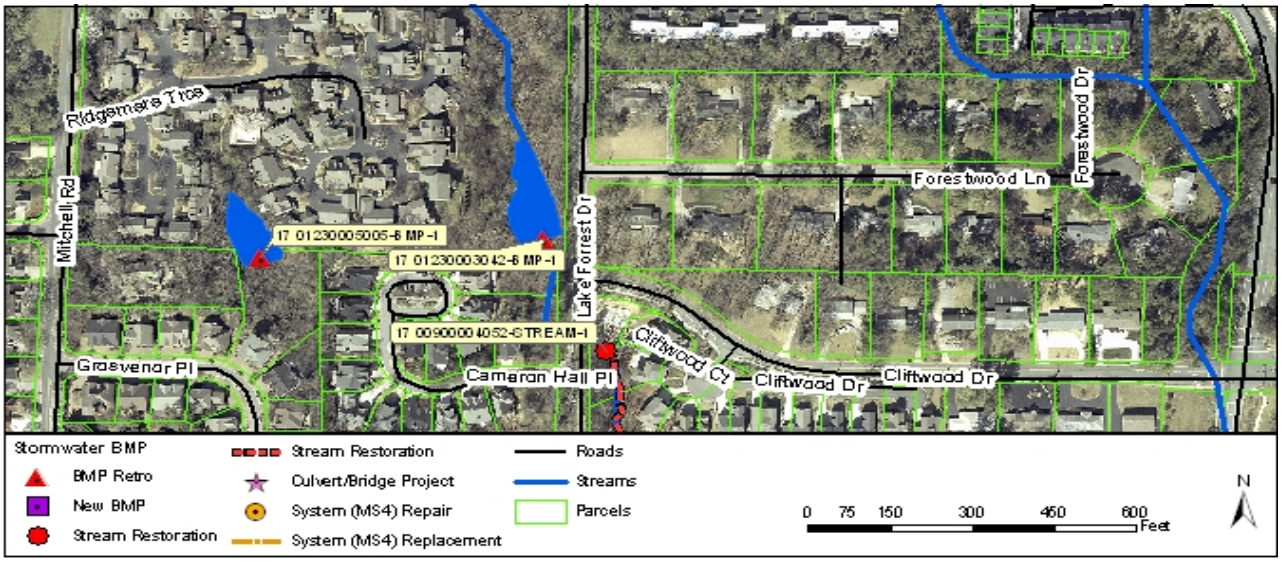

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 01230003042-BMP-1**

Sandy Springs Watershed Improvement Plan Asset Number: **AGM_07980**

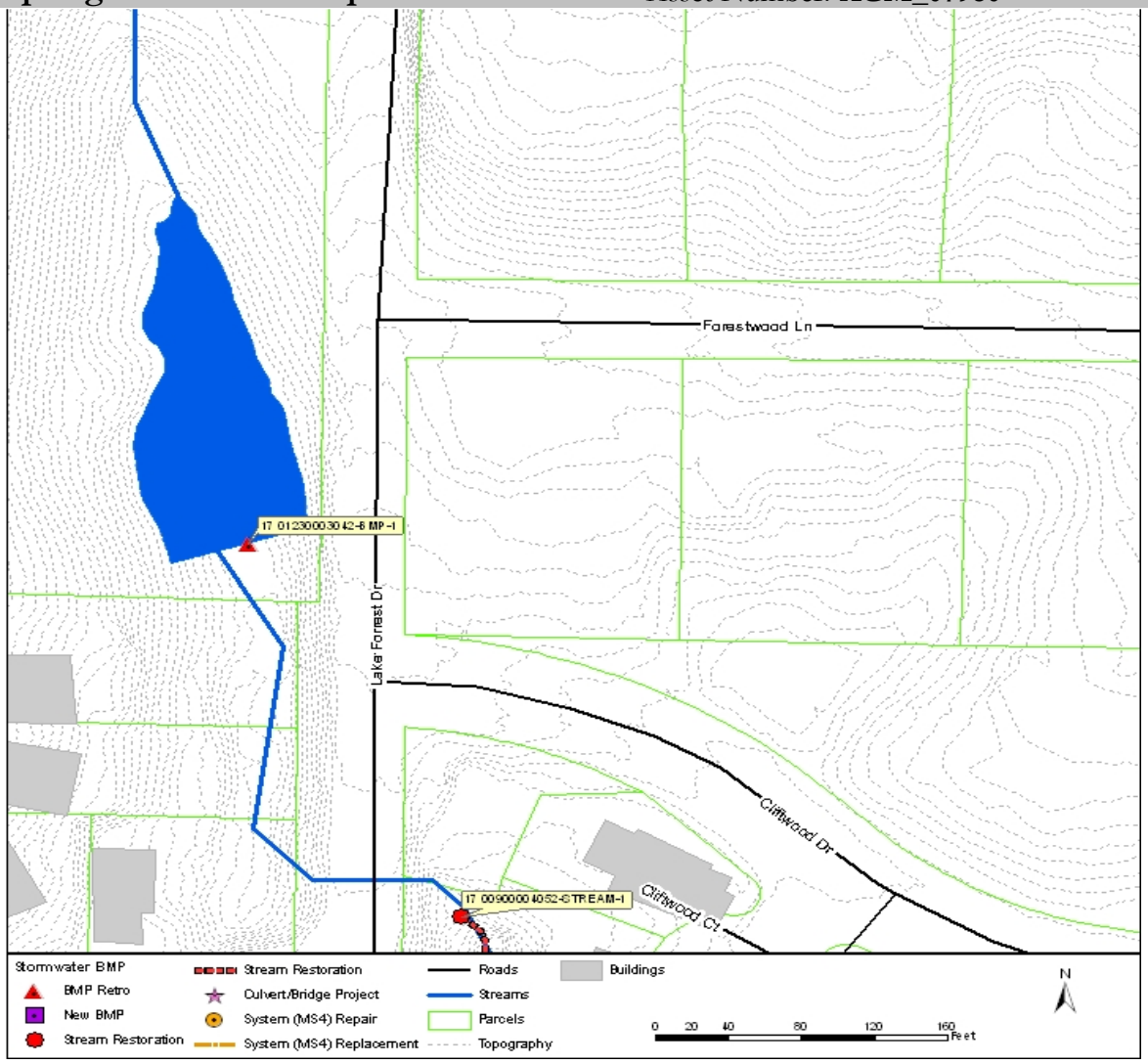

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3		TSS Yield:	653	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	68,330	ft^3
Parcel Ownership:	Private		Potential Volume:	136,661	ft^3
Land Use:	Woods - Grass Combination		WQ Volume:	80,624	ft^3
	Fair		CP Volume:	296,571	ft^3
			25-Year Volume:	373,586	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	37.6	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	39	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	12	
Flood Width Over Road:	N/A	ft	Change in Risk:	27	
Structure Type:	N/A		**Benefit/Cost:**	4.58	
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 01230005005-BMP-1**
Asset Number: **AGM_07961**

Benefit/Cost:	2.57	Address:	140 Grosvenor Pl
Estimated Cost:	$418,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Residential - 1/4 acre area near Grosvenor Pl. 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 both water quality and channel protection benefits by converting it to a micropool extended detention pond and redesigning the control structure. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

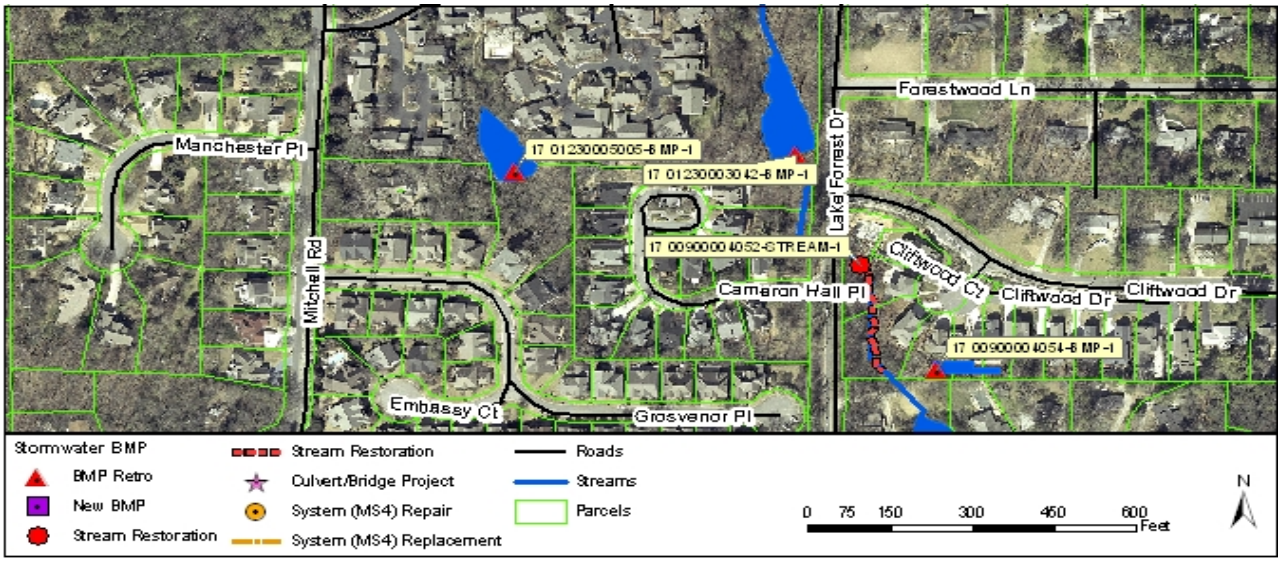

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 01230005005-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_07961**

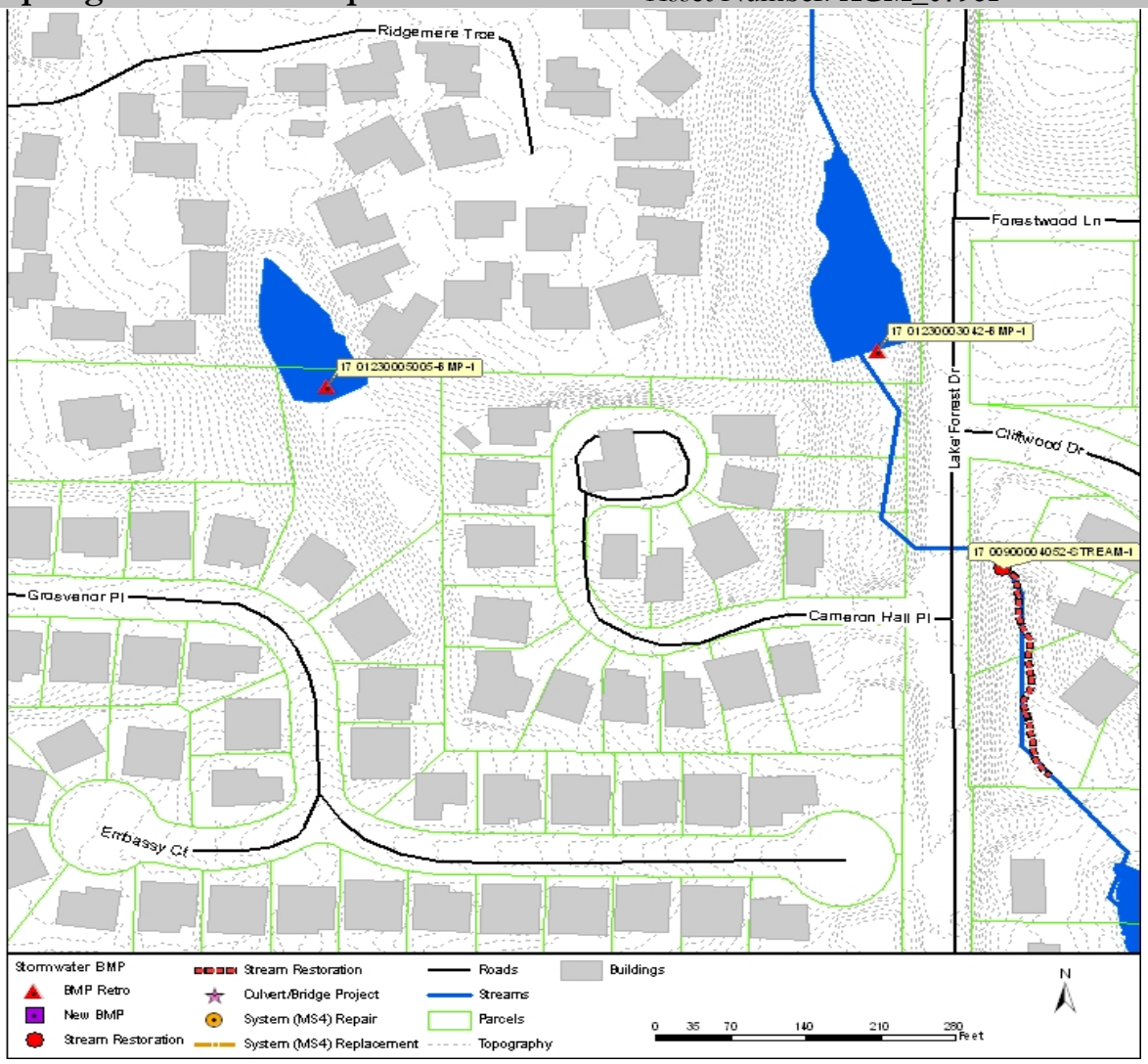

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3		TSS Yield:	172	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	103,765	ft^3
Parcel Ownership:	Private		Potential Volume:	103,765	ft^3
Land Use:	Residential - 1/4 acre lot size		WQ Volume:	15,507	ft^3
			CP Volume:	45,060	ft^3
			25-Year Volume:	53,347	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	9.6	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	15	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	5	
Flood Width Over Road:	N/A	ft	Change in Risk:	10	
Structure Type:	N/A		**Benefit/Cost:**	2.57	
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 01230006001-BMP-1**
Asset Number: **AGM_07914**

Benefit/Cost:	4.89	Address:	0 Mitchell Rd
Estimated Cost:	$286,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Commercial; Woods - Grass Combination area near Mitchell Rd. 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 both water quality and channel protection benefits by converting it to a micropool extended detention pond and redesigning the control structure. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

Photo 2

No photo available

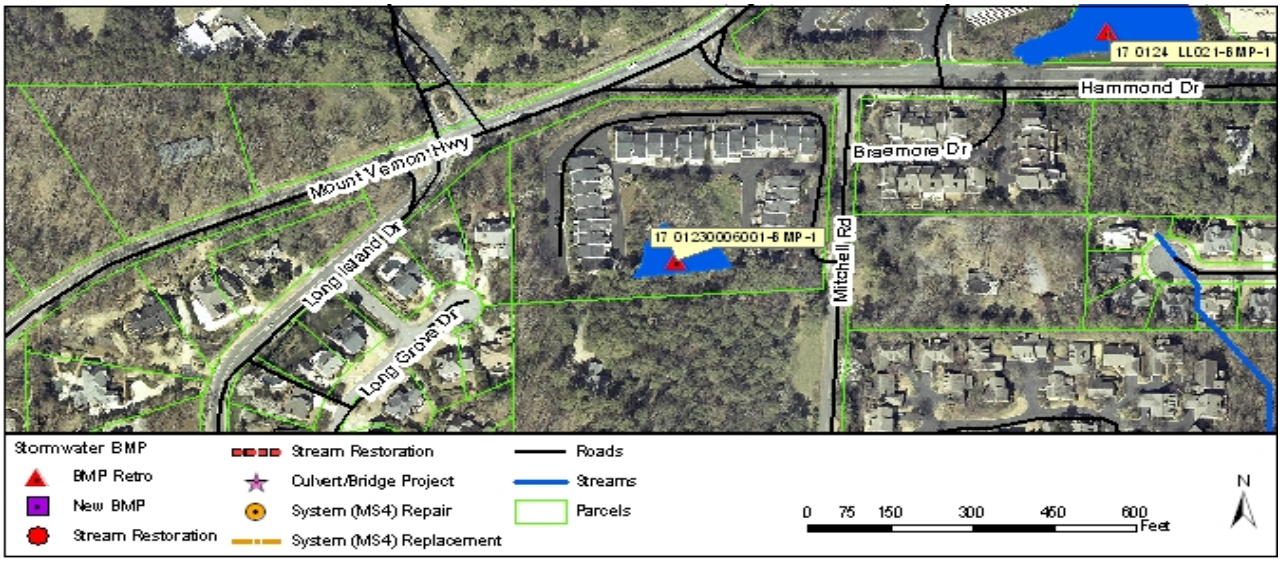

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 01230006001-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_07914**

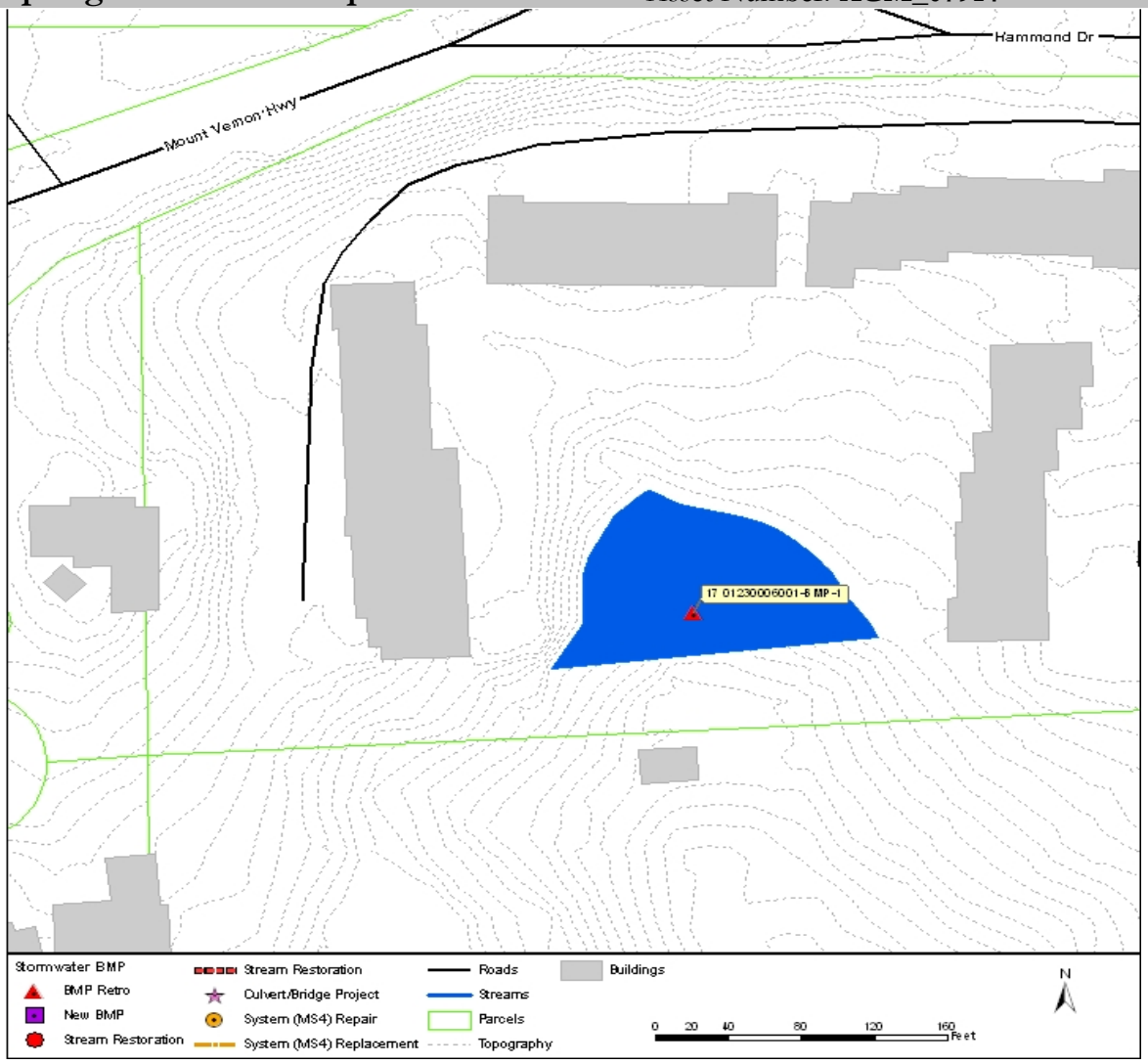

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3		TSS Yield:	409	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	56,353	ft^3
Parcel Ownership:	Private		Potential Volume:	56,353	ft^3
Land Use:	Commercial; Woods - Grass Combination Fair		WQ Volume:	11,906	ft^3
			CP Volume:	43,425	ft^3
			25-Year Volume:	53,743	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	5.5	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	24	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	5	
Flood Width Over Road:	N/A	ft	Change in Risk:	20	
Structure Type:	N/A		**Benefit/Cost:**	4.89	
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: **17 01230007014-BMP-1**
Asset Number: **AGM_07895**

Benefit/Cost:	0.90	Address:	5815 Declaire Ct
Estimated Cost:	$319,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre area near Declaire Ct. 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

No photo available

Photo 2

No photo available

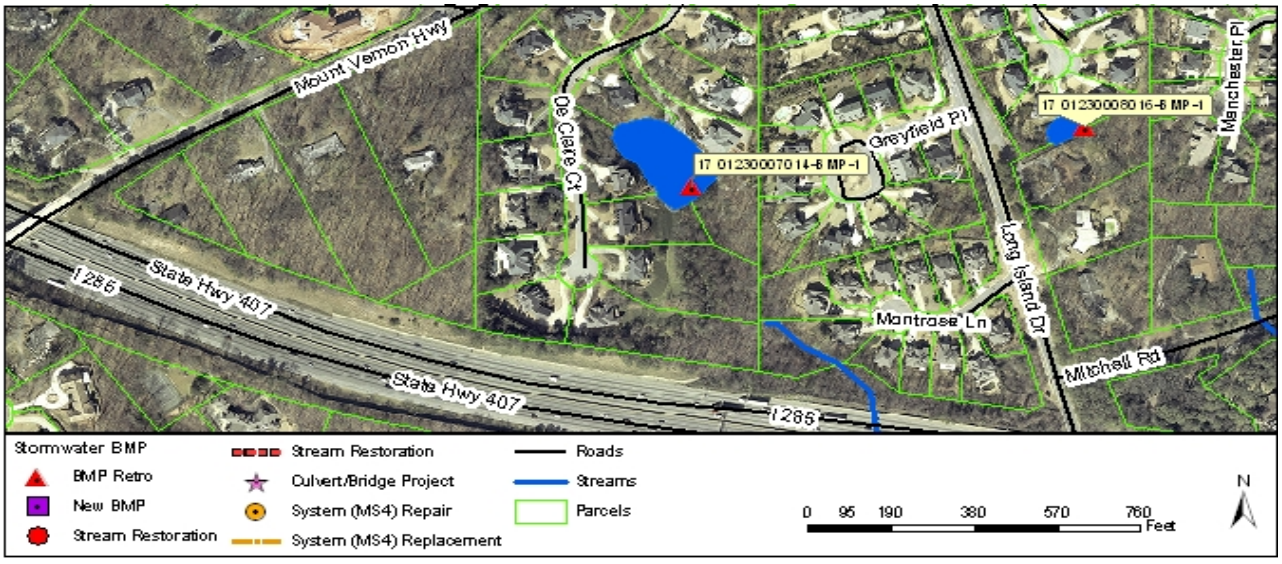

Figure 1 Plan View of Project with Aerial Photography

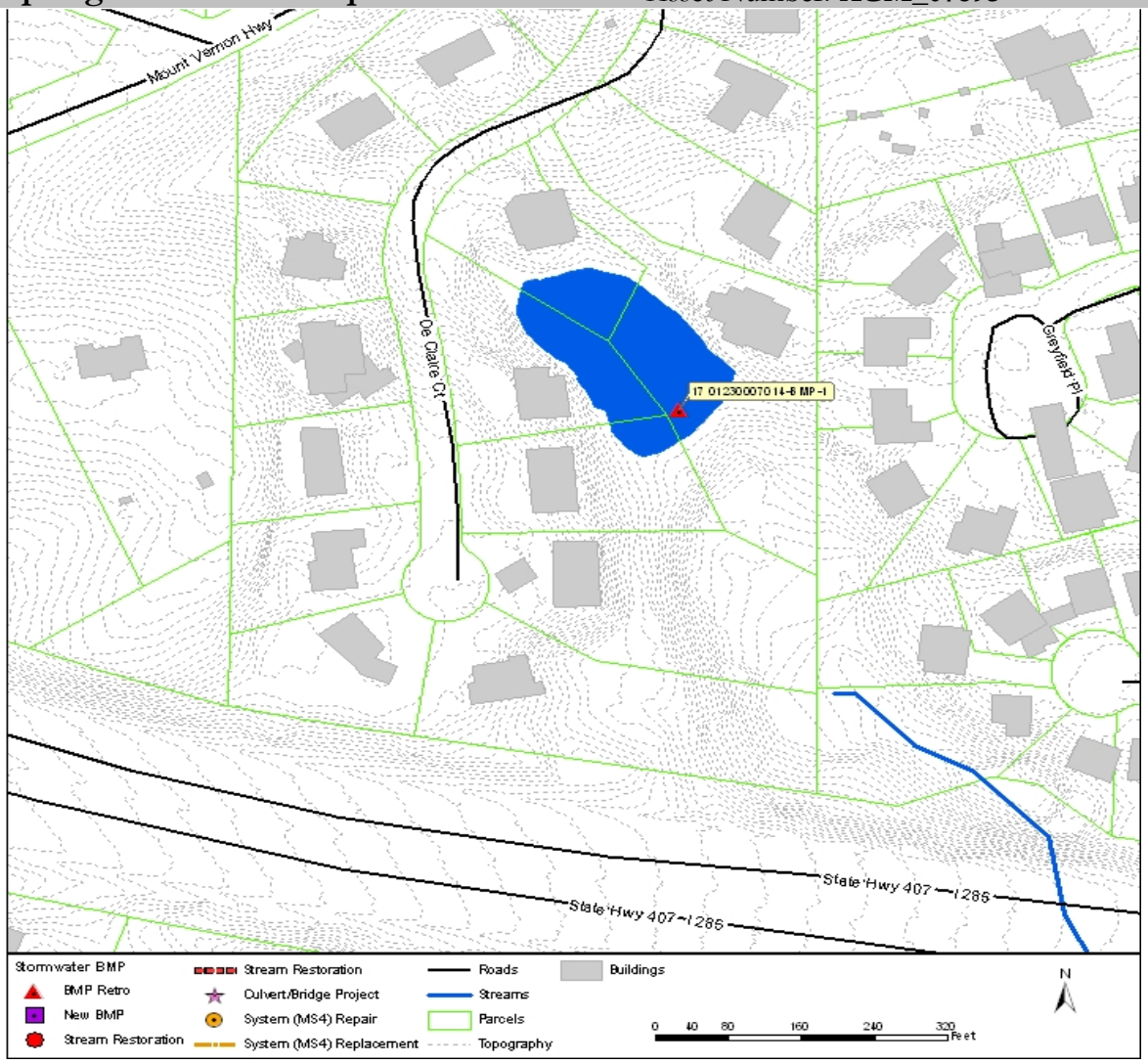

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3		TSS Yield:	44	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	164,003	ft^3
Parcel Ownership:	Private		Potential Volume:	164,003	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	21,875	ft^3
			CP Volume:	52,158	ft^3
			25-Year Volume:	53,887	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	13.4	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	12	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	8	
Flood Width Over Road:	N/A	ft	Change in Risk:	4	
Structure Type:	N/A		**Benefit/Cost:**	0.90	
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 01230008016-BMP-1**
Asset Number: **AGM_07885**

Benefit/Cost:	1.63	Address:	5750 Long Grove Dr
Estimated Cost:	$358,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Residential - 1/3 acre; Residential - 1 acre area near Long Grove Dr. 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 greater water quality benefits by converting it into a micropool extended detention pond and redesigning the control structure. Modifications include expanding the BMP's footprint to increase it's capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

Photo 2

No photo available

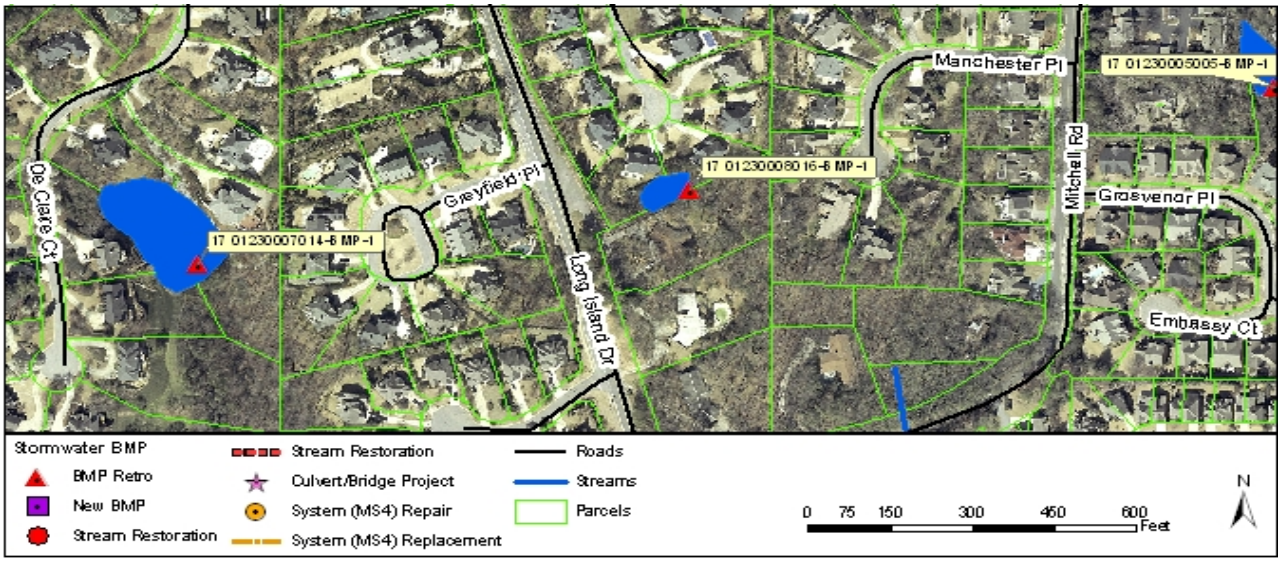

Figure 1 Plan View of Project with Aerial Photography

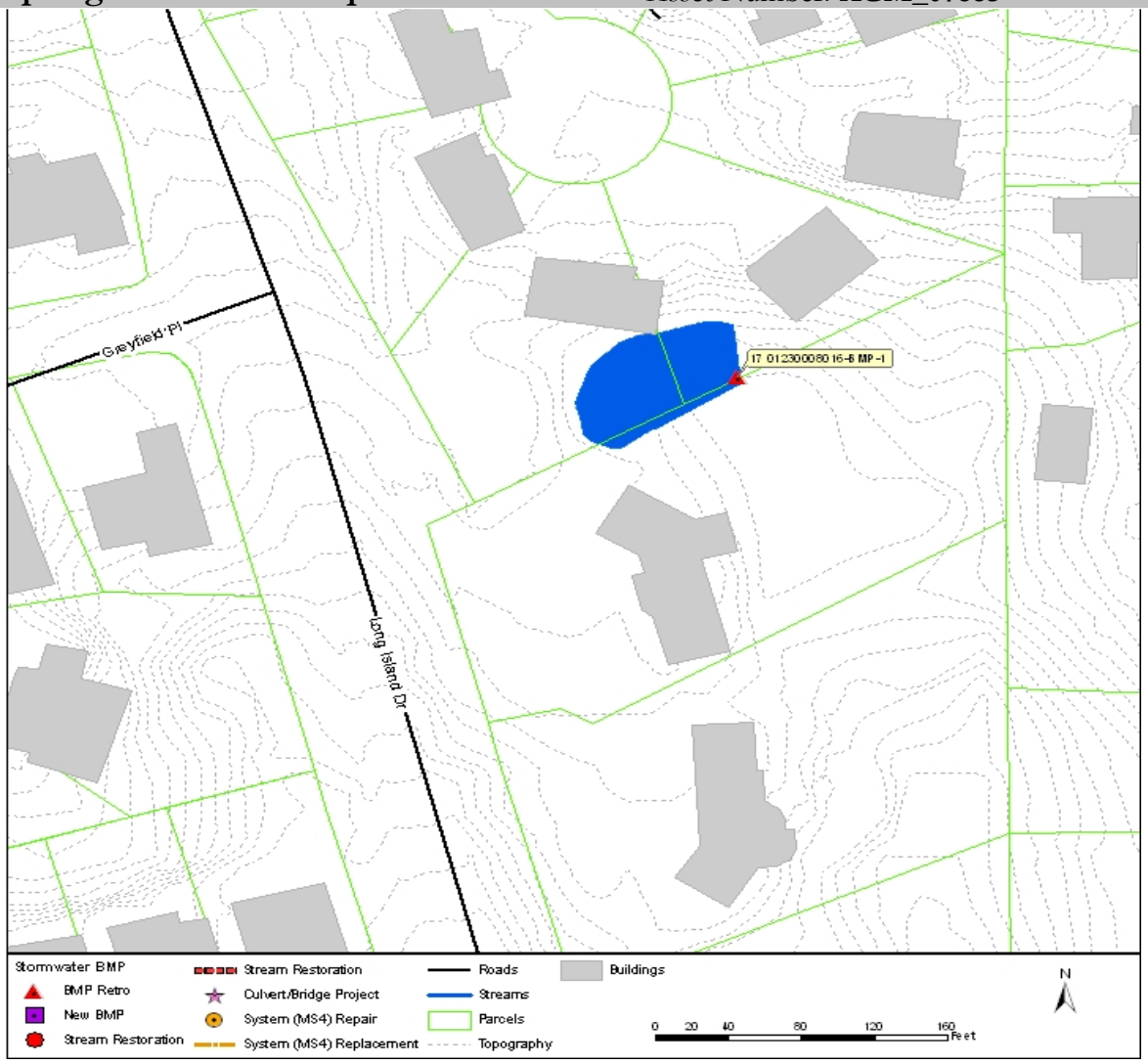

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3		TSS Yield:	197	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	11,983	ft^3
Parcel Ownership:	Private		Potential Volume:	23,965	ft^3
Land Use:	Residential - 1/3 acre lot size;		WQ Volume:	25,628	ft^3
	Residential - 1 acre lot size		CP Volume:	60,701	ft^3
			25-Year Volume:	70,048	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	13.6	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	27	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	20	
Flood Width Over Road:	N/A	ft	Change in Risk:	7	
Structure Type:	N/A		**Benefit/Cost:**	1.63	
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 01330001013-BMP-1**
Asset Number: **AGM_09728**

Benefit/Cost:	1.45	Address:	360 Glen Lake Dr Nw
Estimated Cost:	$426,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre; Residential - 2 acre area near Glen Lake Dr Nw. 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

No photo available

Photo 2

No photo available

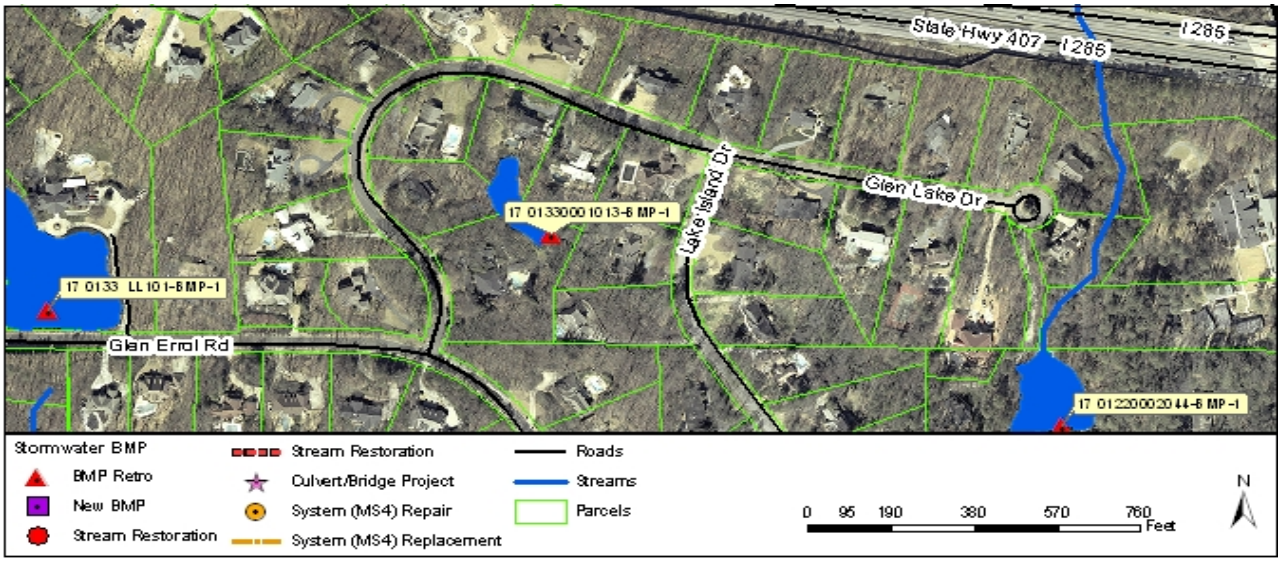

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 01330001013-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_09728**

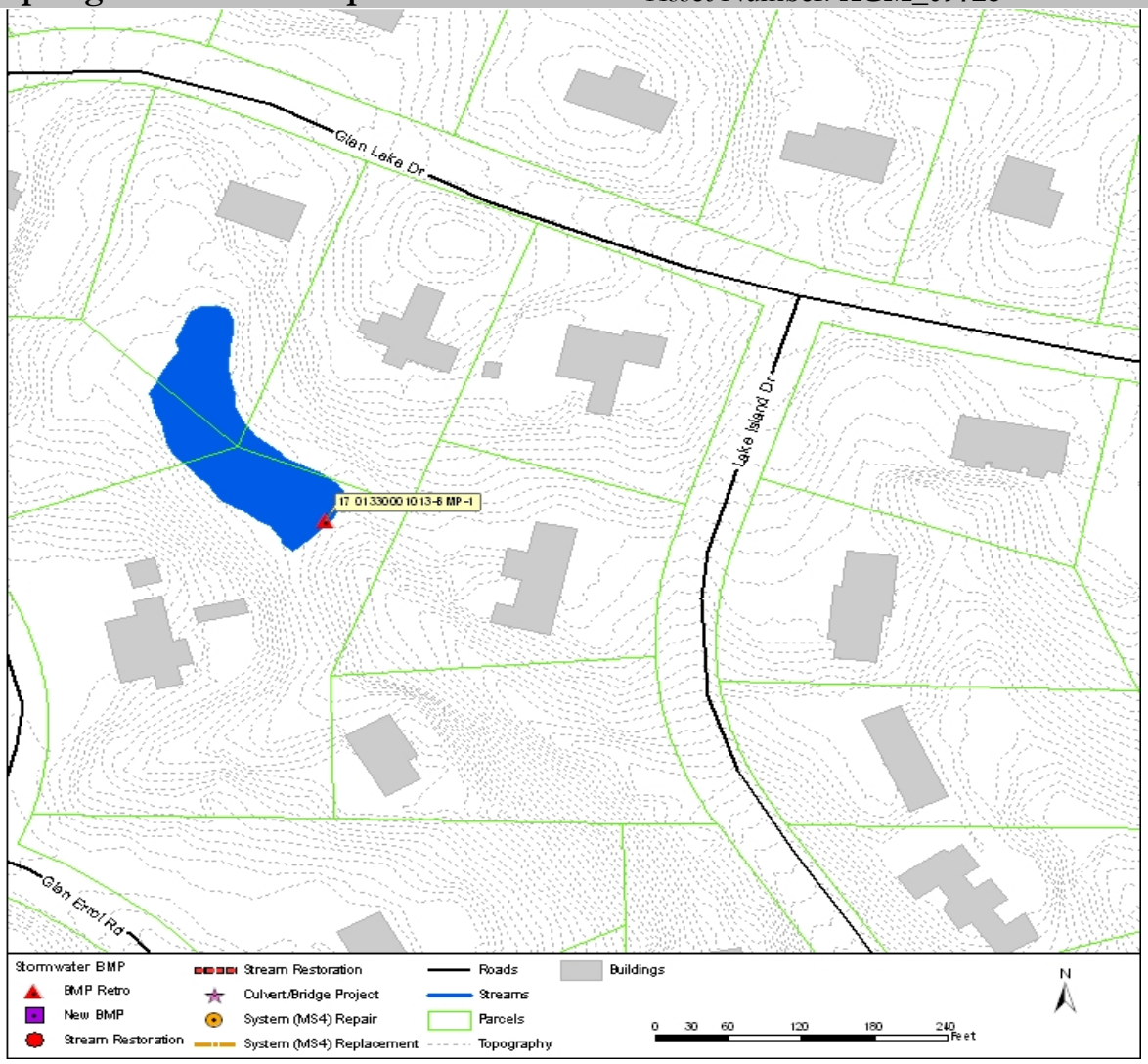

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	41	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	86,057	ft^3
Parcel Ownership:	Private		Potential Volume:	86,057	ft^3
Land Use:	Residential - 1 acre lot size;		WQ Volume:	15,857	ft^3
	Residential - 2 acre lot size;		CP Volume:	49,964	ft^3
	Water		25-Year Volume:	49,838	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	13.9	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	16	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	10	
Flood Width Over Road:	N/A	ft	Change in Risk:	6	
Structure Type:	N/A		**Benefit/Cost:**	1.45	
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 01340004021-BMP-1**
Asset Number: **AGM_08624**

Benefit/Cost:	3.02	Address:	700 South Brighton
Estimated Cost:	$252,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Residential - 1 acre area near South Brighton. 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 greater water quality benefits by converting it into a micropool extended detention pond and redesigning the control structure. Modifications include expanding the BMP's footprint to increase it's capacity. Additional modifications include building a sediment forebay and repairing any other significant issues found.

Photos and Maps

Photo 1

Photo 2

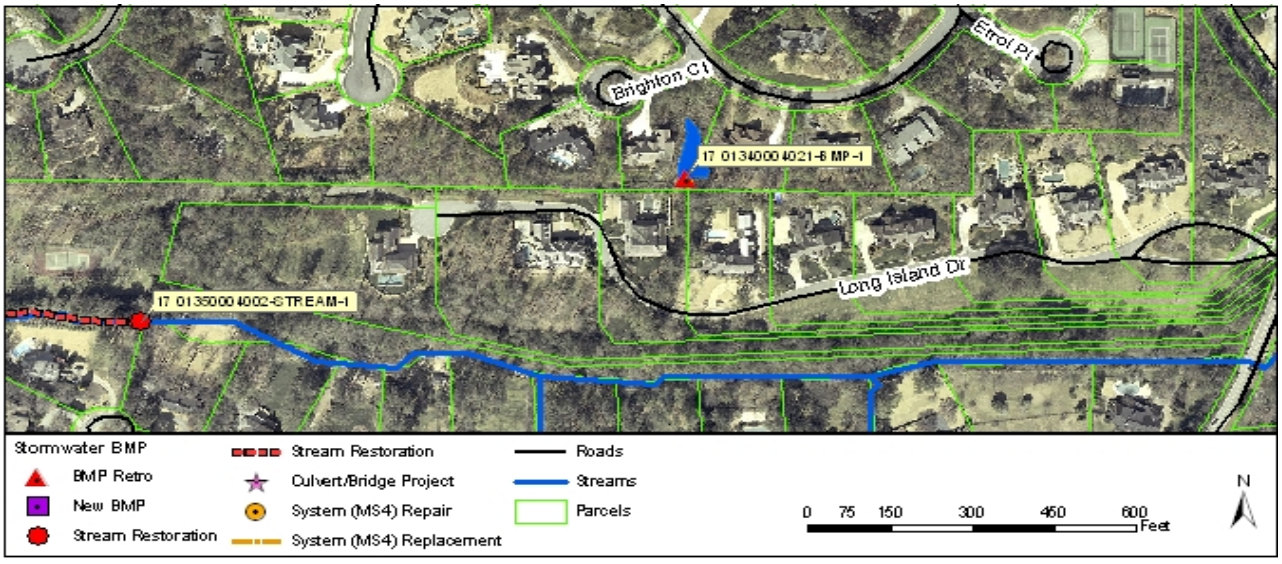

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 01340004021-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_08624**

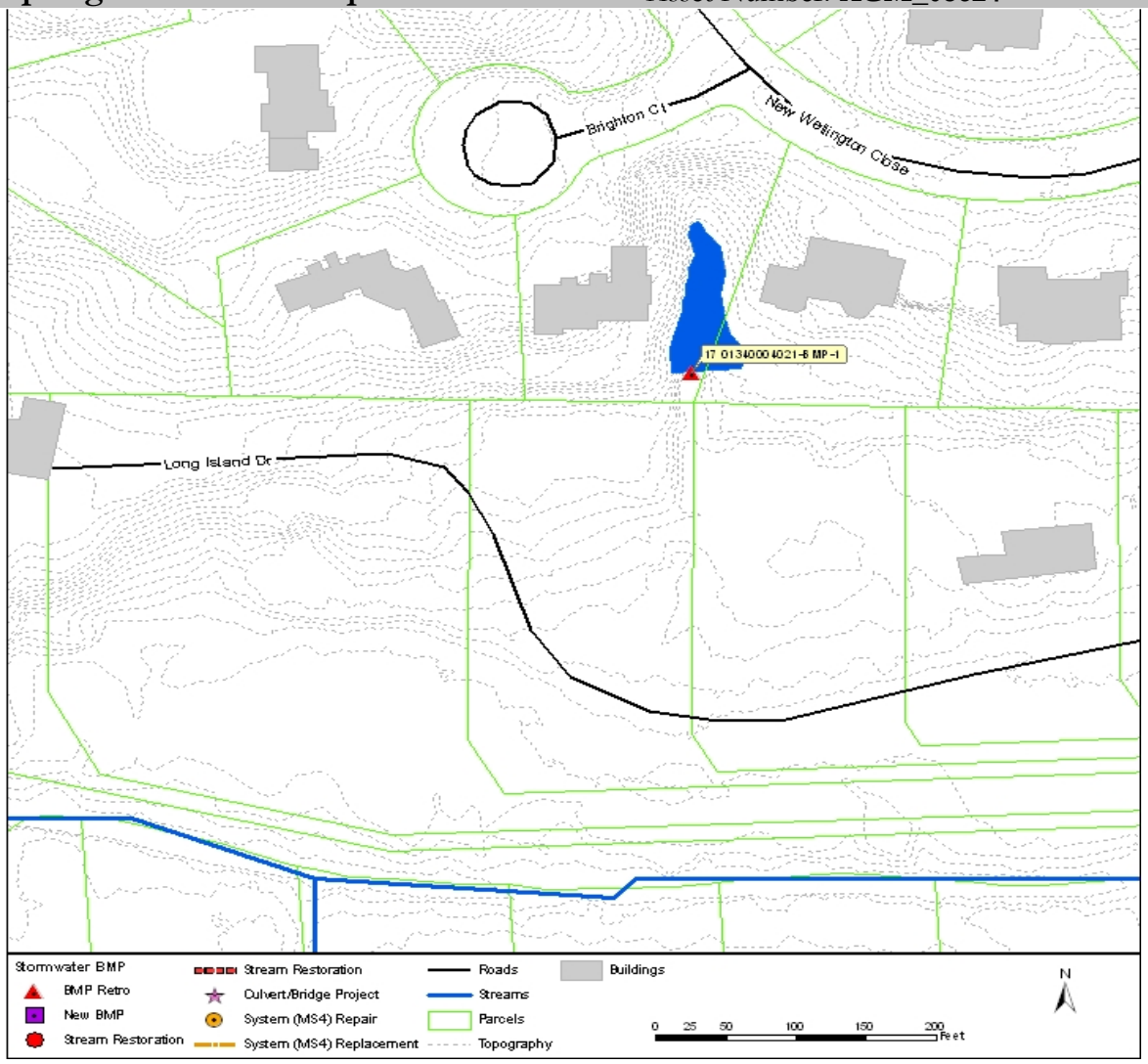

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	127	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	8,199	ft^3
Parcel Ownership:	Private		Potential Volume:	8,199	ft^3
Land Use:	Residential - 1 acre lot size		WQ Volume:	31,473	ft^3
			CP Volume:	68,686	ft^3
			25-Year Volume:	71,758	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	18.5	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	34	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	22	
Flood Width Over Road:	N/A	ft	Change in Risk:	12	
Structure Type:	N/A		**Benefit/Cost:**	3.02	
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 01350004002-STREAM-1**
Asset Number: **AGM_07309, AGM_07332**

Benefit/Cost:	4.68	Address:	5320 Long Island Drive NW
Estimated Cost:	$397,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 4 stream restoration is proposed along the left bank. The stream is aggrading and widening in this reach. A fence is at edge of left bank. 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 prevent property damage. 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.

Photos and Maps

Photo 1

Photo 2

No photo available

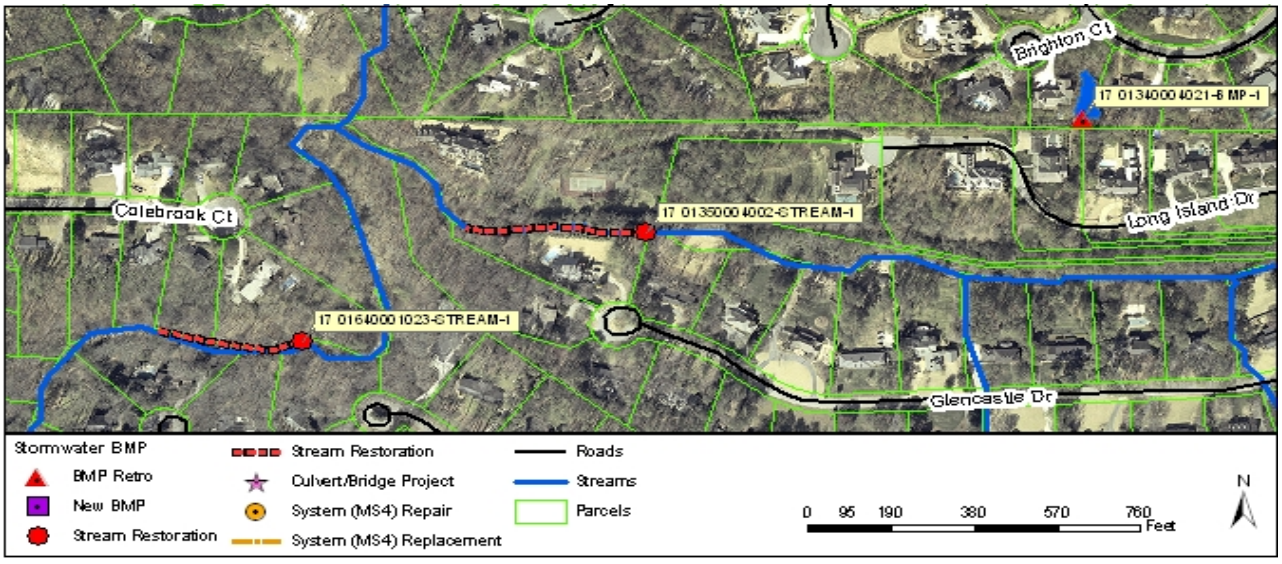

Figure 1 Plan View of Project with Aerial Photography

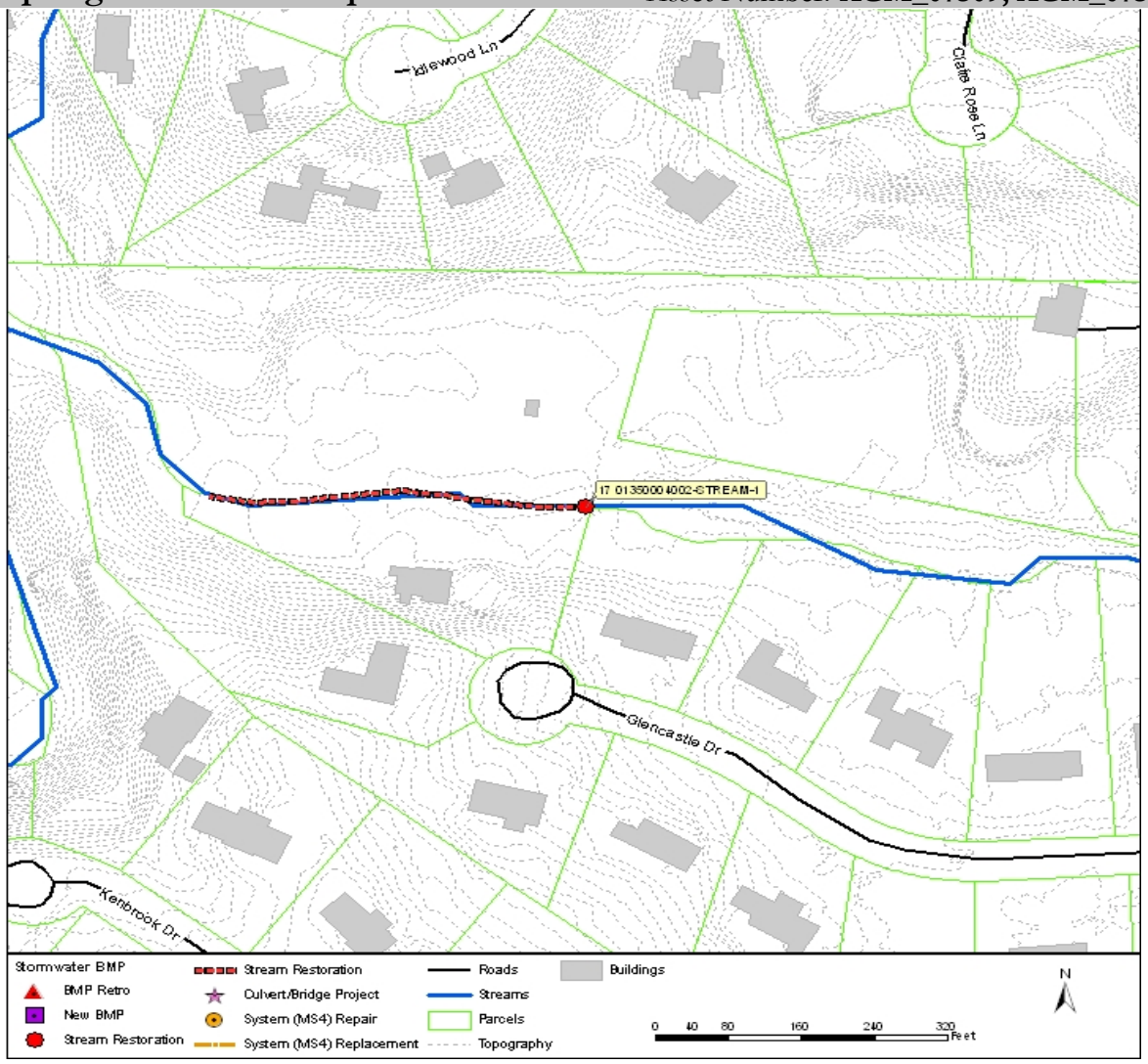

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	1,156	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:	418	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	3	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	50-75% LB	25-50% RB
Drainage Area:	2,142.0 acres		Bank Height:	2ft LB	2.5ft RB
FEMA Flood Hazard Zone:	AE-FLOODWAY		Existing Risk:	29	
Max Flood Depth Over Road:	N/A ft		Proposed Risk:	10	
Flood Width Over Road:	N/A ft		Change in Risk:	19	
Structure Type:	N/A		**Benefit/Cost:**	4.68	
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 01640001023-STREAM-1**
Asset Number: **AGM_07247, AGM_06983**

Benefit/Cost:	6.44	Address:	545 Kenbrook Drive
Estimated Cost:	$370,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 3 stream restoration is proposed along a reach with very steep banks where numerous trees have fallen into stream. The floodplain is a steep valley and banks have high erosion scores (75-100%). The stream has incised to a bedrock channel bed. A Level 3 approach includes restoring the degraded channel to a stable condition at existing grade and providing a floodprone area within the channel. 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 and decrease suspended sediment load to 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.

Photos and Maps

Photo 1

Photo 2

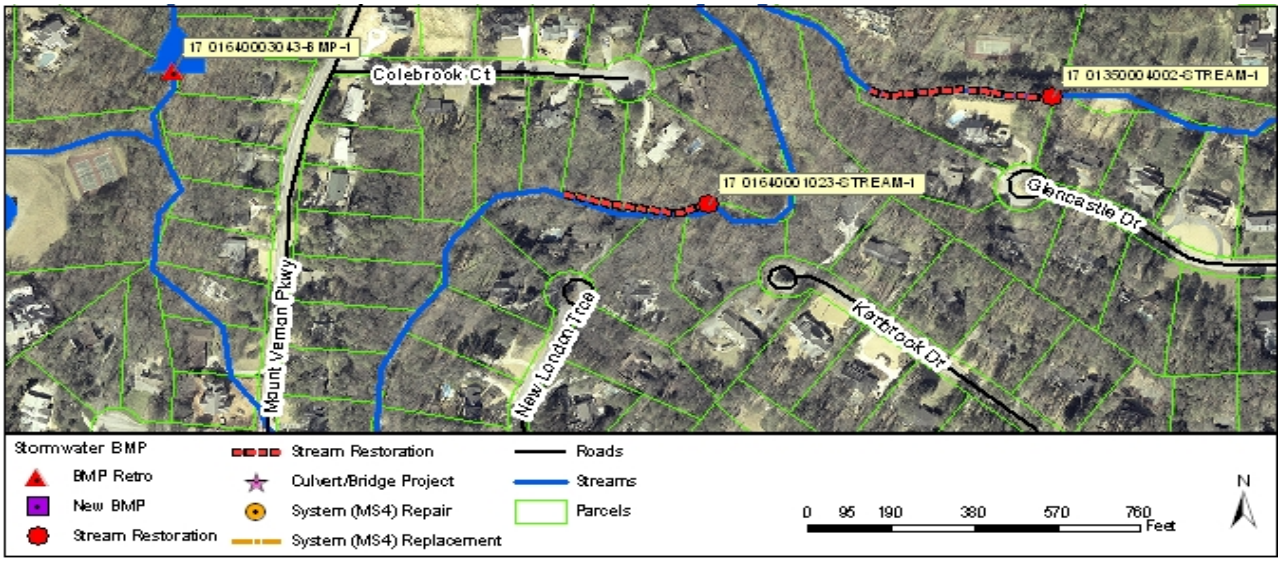

Figure 1 Plan View of Project with Aerial Photography

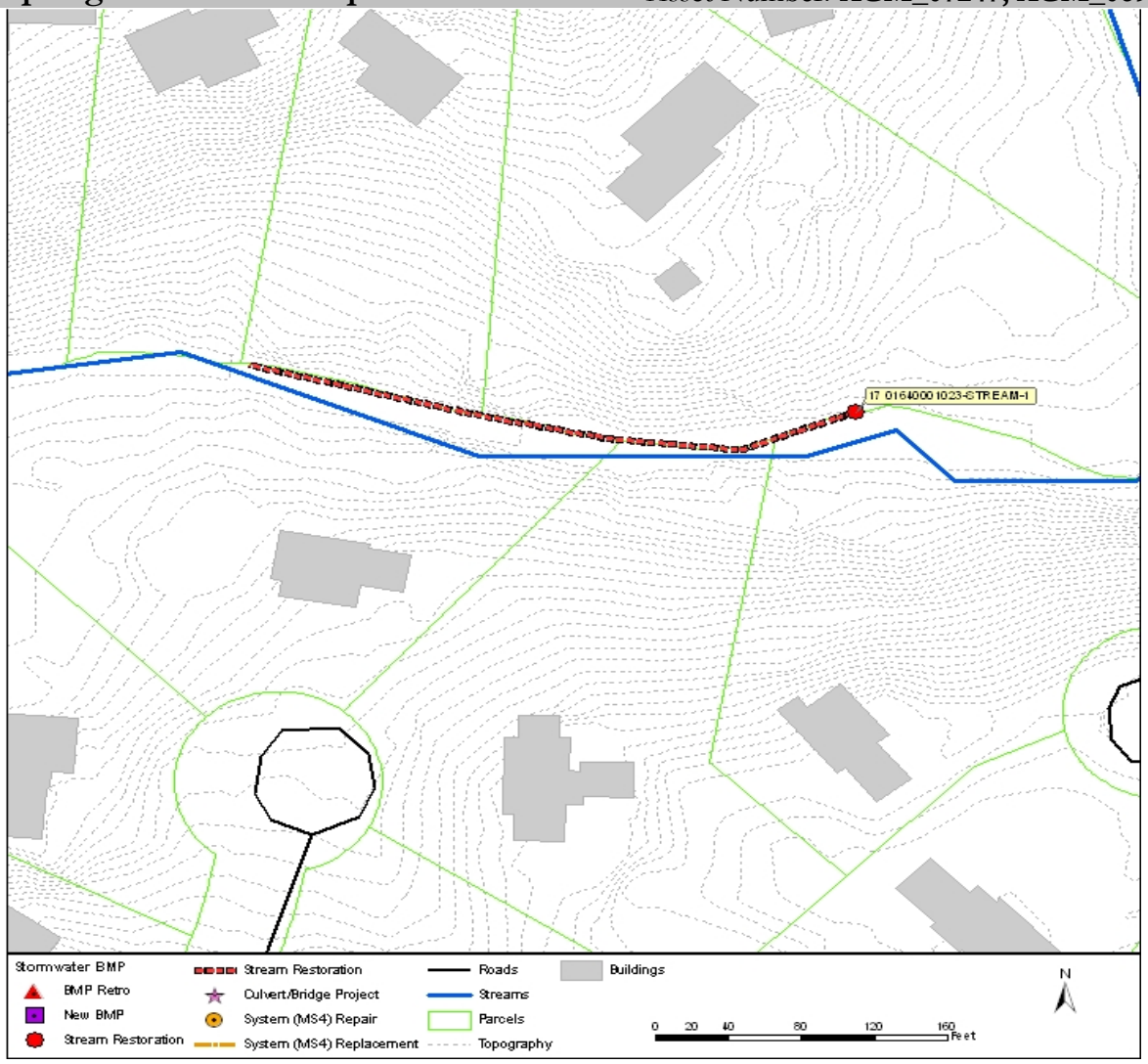

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	1,146	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:	343	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	3	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	75-100% RB
Drainage Area:	2,381.8 acres		Bank Height:	5ft LB	5ft RB
FEMA Flood Hazard Zone:	AE-FLOODWAY		Existing Risk:	37	
Max Flood Depth Over Road:	N/A ft		Proposed Risk:	11	
Flood Width Over Road:	N/A ft		Change in Risk:	26	
Structure Type:	N/A		**Benefit/Cost:**	6.44	
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 01640003043-BMP-1**
Asset Number: **AGM_07141**

Benefit/Cost:	3.87	Address:	580 Widgeon Ln Nw
Estimated Cost:	$755,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond Extended Detention

Project Description

Retrofit existing dry pond into a wet extended detention pond. The existing BMP is located on a Woods - Grass Combination area near Widgeon Ln Nw. 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. Closest Asset number chosen.

Project Goals

This proposed retrofit will achieve full water quality and a portion of the channel protection benefits by converting it to a wet extended detention pond and redesigning the control structure. Modifications include expanding the BMP's footprint to increase it's capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

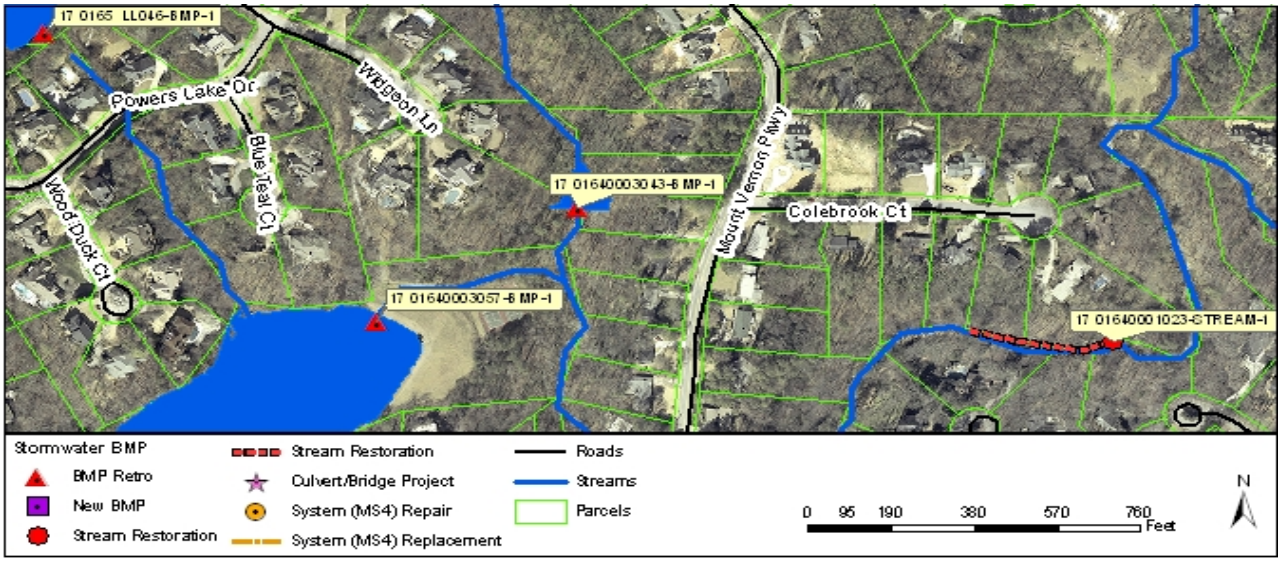

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 01640003043-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_07141**

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	407	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	52,193	ft^3
Parcel Ownership:	Private		Potential Volume:	104,386	ft^3
Land Use:	Woods - Grass Combination		WQ Volume:	38,178	ft^3
	Fair		CP Volume:	138,566	ft^3
			25-Year Volume:	130,056	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	37.1	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	33	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	10	
Flood Width Over Road:	N/A	ft	Change in Risk:	23	
Structure Type:	N/A		**Benefit/Cost:**	3.87	
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 01640003057-BMP-1**
Asset Number: **AGM_07043**

Benefit/Cost:	1.64	Address:	0 Powers Ferry Rd
Estimated Cost:	$504,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre area near Powers Ferry Rd. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as SS-BMP-24210118. 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

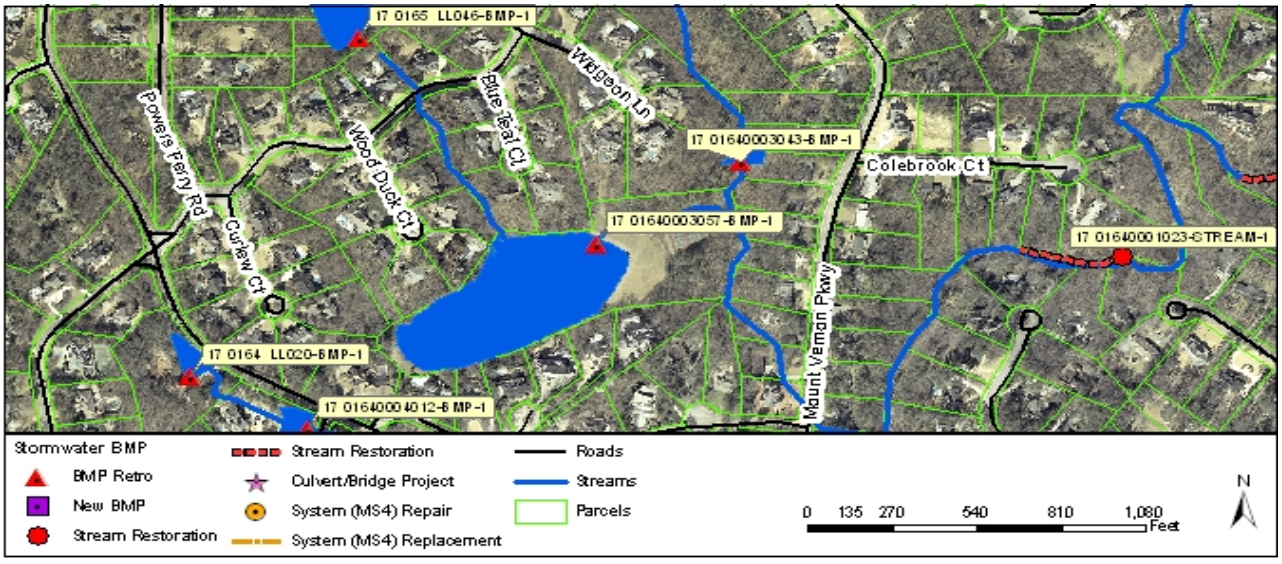

Figure 1 Plan View of Project with Aerial Photography

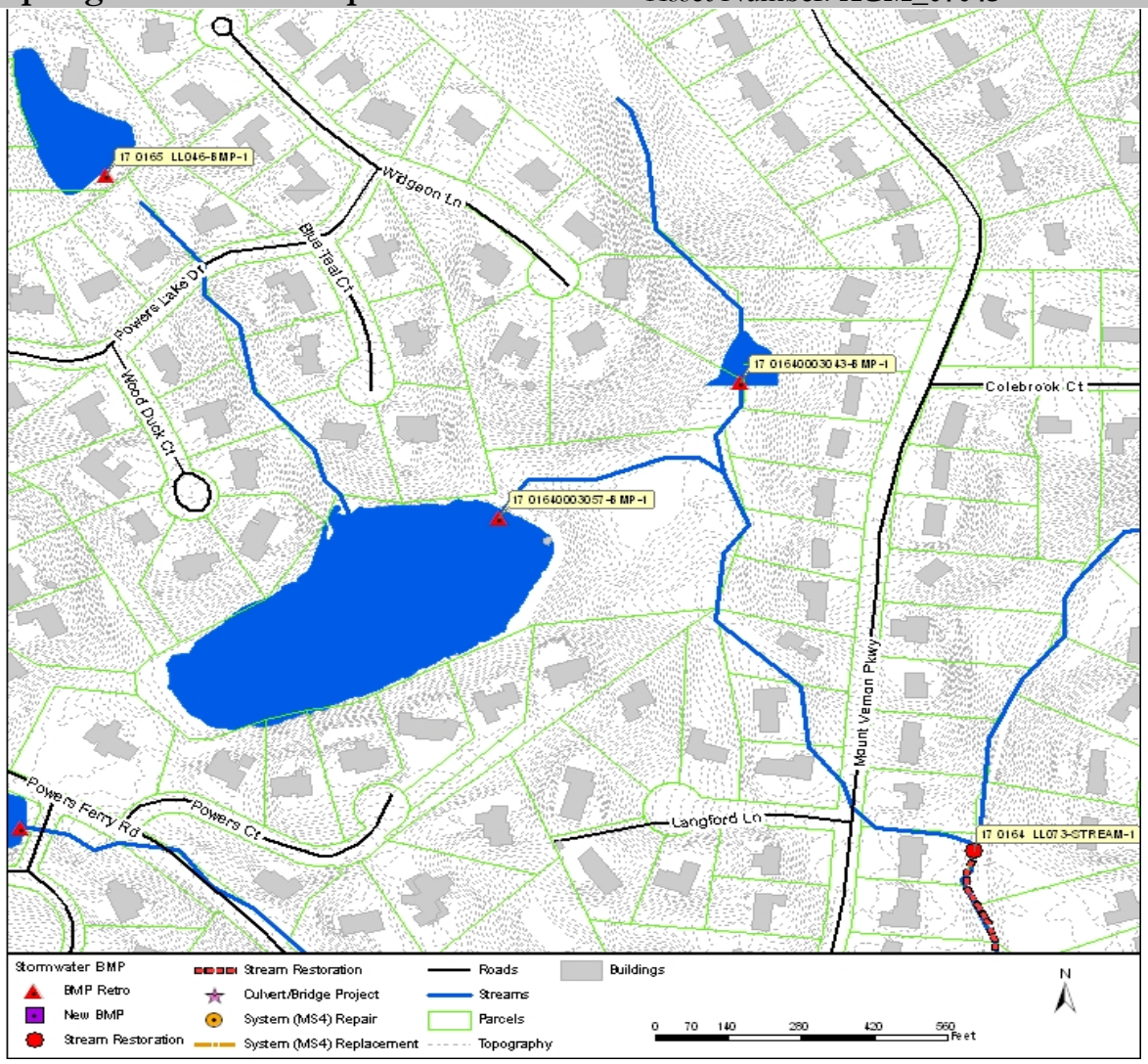

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	124	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	2,860,835	ft^3
Parcel Ownership:	Private		Potential Volume:	2,860,835	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	119,213	ft^3
			CP Volume:	311,555	ft^3
			25-Year Volume:	354,258	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	60.9	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	12	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	4	
Flood Width Over Road:	N/A	ft	Change in Risk:	8	
Structure Type:	N/A		**Benefit/Cost:**	1.64	
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 01650003013-BMP-1**
Asset Number: **AGM_09887**

Benefit/Cost:	1.11	Address:	65 Glen Oaks Dr
Estimated Cost:	$478,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre area near Glen Oaks Dr. This project was included in the previous CIP as SS-BMP-24220304. 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

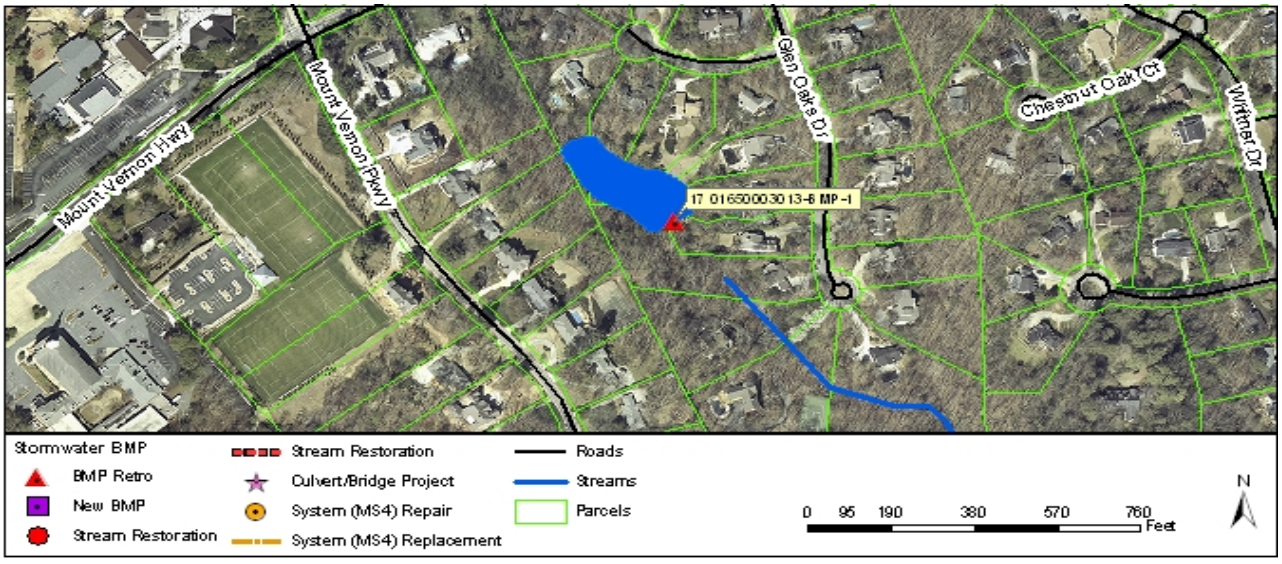

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 01650003013-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_09887**

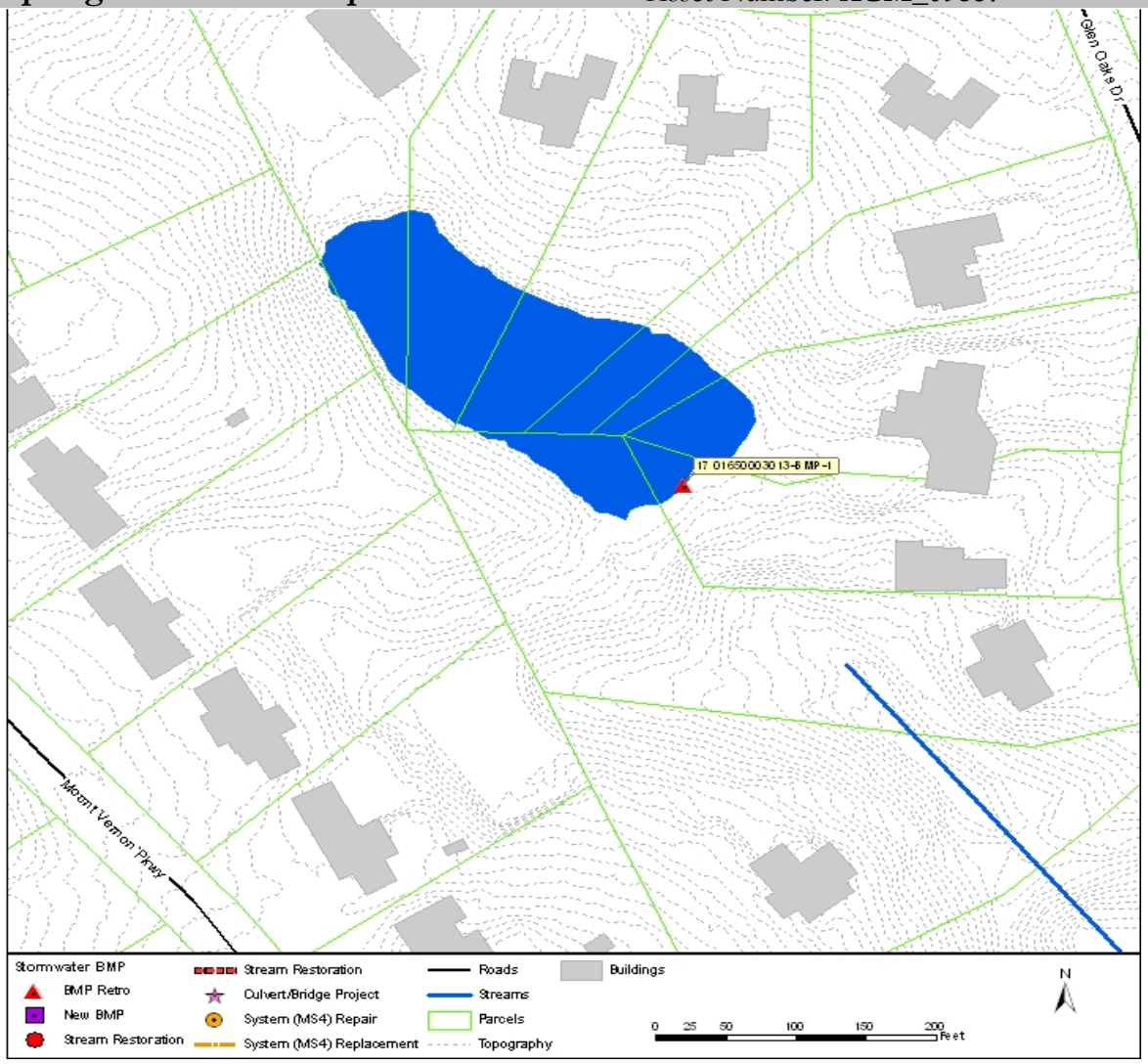

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	37	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	299,025	ft^3
Parcel Ownership:	Private		Potential Volume:	299,025	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	19,000	ft^3
			CP Volume:	52,311	ft^3
			25-Year Volume:	54,074	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	13.3	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500		Existing Risk:	9	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	4	
Flood Width Over Road:	N/A	ft	Change in Risk:	4	
Structure Type:	N/A		**Benefit/Cost:**	1.11	
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 01650005005-BMP-1**
Asset Number: **AGM_09986**

Benefit/Cost:	2.13	Address:	125 Parc Du Chateau
Estimated Cost:	$405,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre area near Parc Du Chateau. 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

No photo available

Photo 2

No photo available

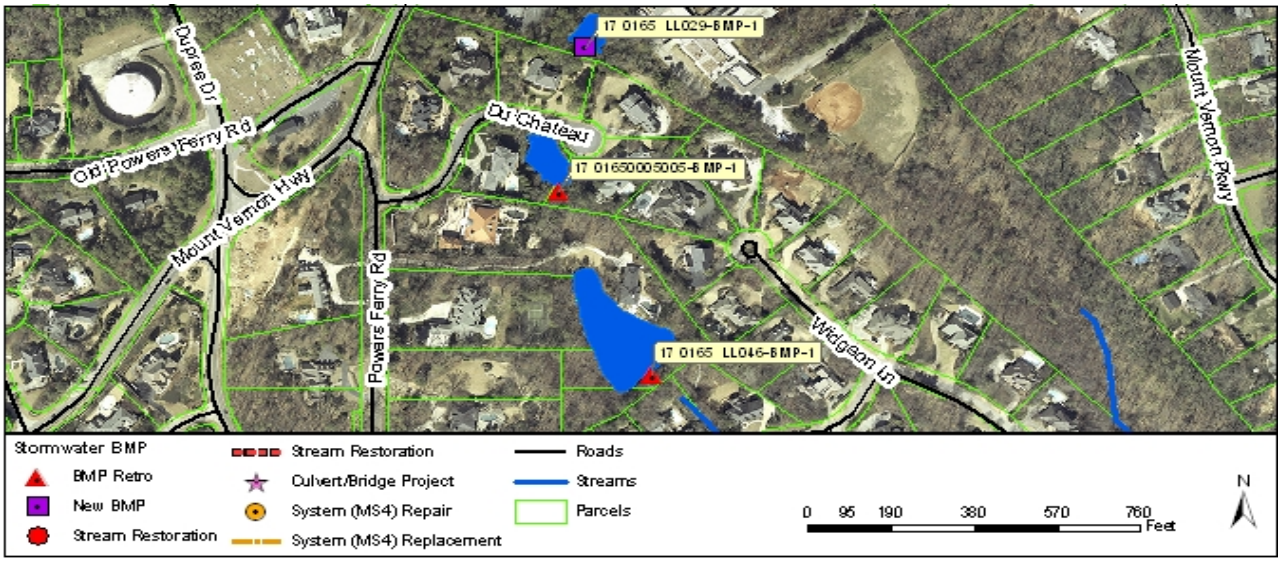

Figure 1 Plan View of Project with Aerial Photography

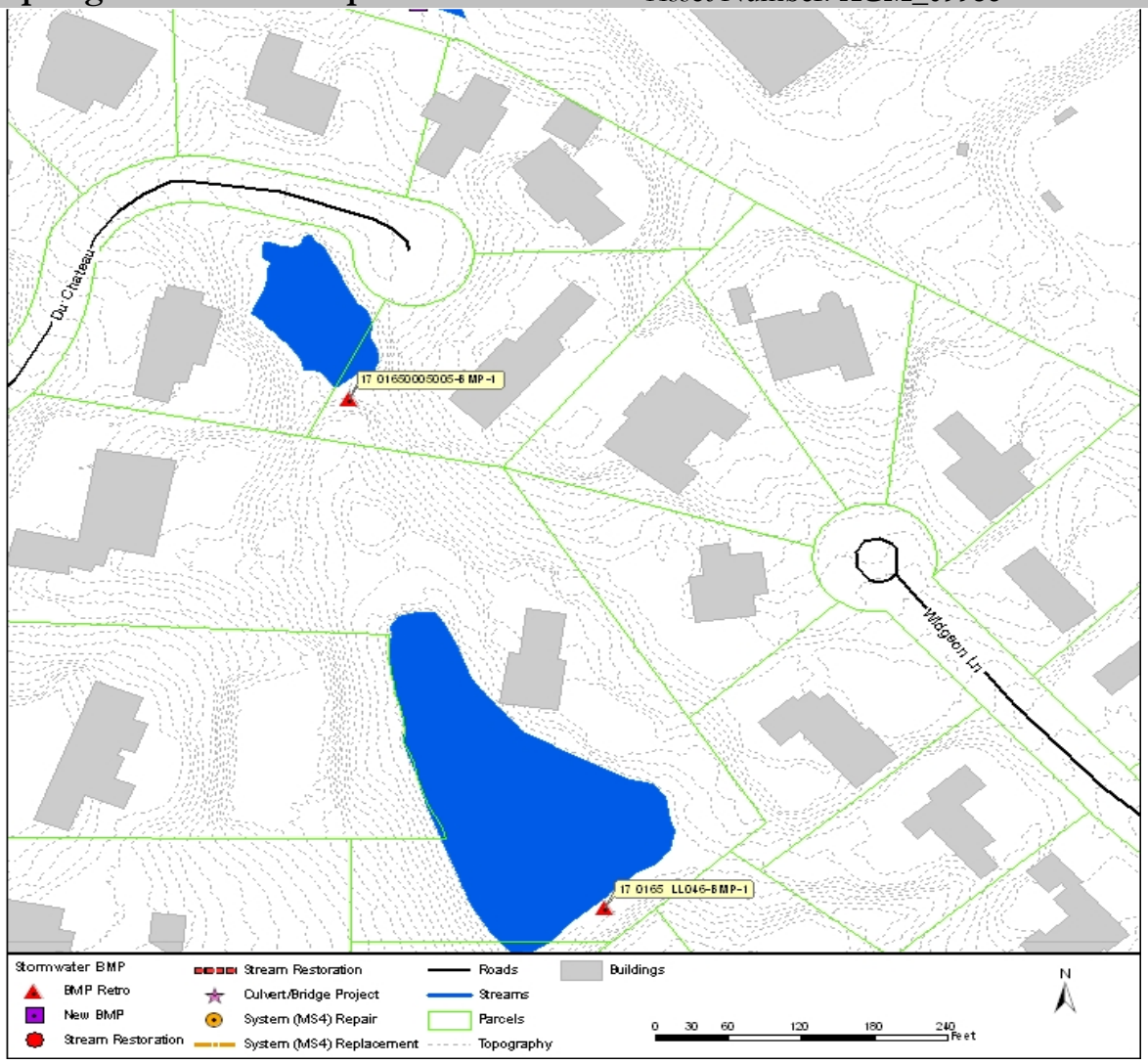

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	265	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	27,040	ft^3
Parcel Ownership:	Private		Potential Volume:	33,929	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	33,137	ft^3
			CP Volume:	105,502	ft^3
			25-Year Volume:	131,772	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	14.4	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	33	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	24	
Flood Width Over Road:	N/A	ft	Change in Risk:	9	
Structure Type:	N/A		**Benefit/Cost:**	2.13	
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 01750003021-STREAM-1**
Asset Number: **AGM_08319, AGM_08459**

Benefit/Cost:	4.60	Address:	5280 North Powers Ferry Rd
Estimated Cost:	$234,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 3 stream restoration is proposed along approximately 200 foot reach where the stream has incised and widened. Both banks are very steep and have high erosion scores of 50-75%. A Level 3 approach includes restoring the degraded channel to a stable condition at existing grade and providing a floodprone area within the channel. The new channel will be based on the dimension, pattern, and profile characteristic of a stable reference reach. channel to a stable condition at existing grade and providing a floodprone area within the channel. 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 and decrease suspended sediment load to 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.

Photos and Maps

Photo 1

Photo 2

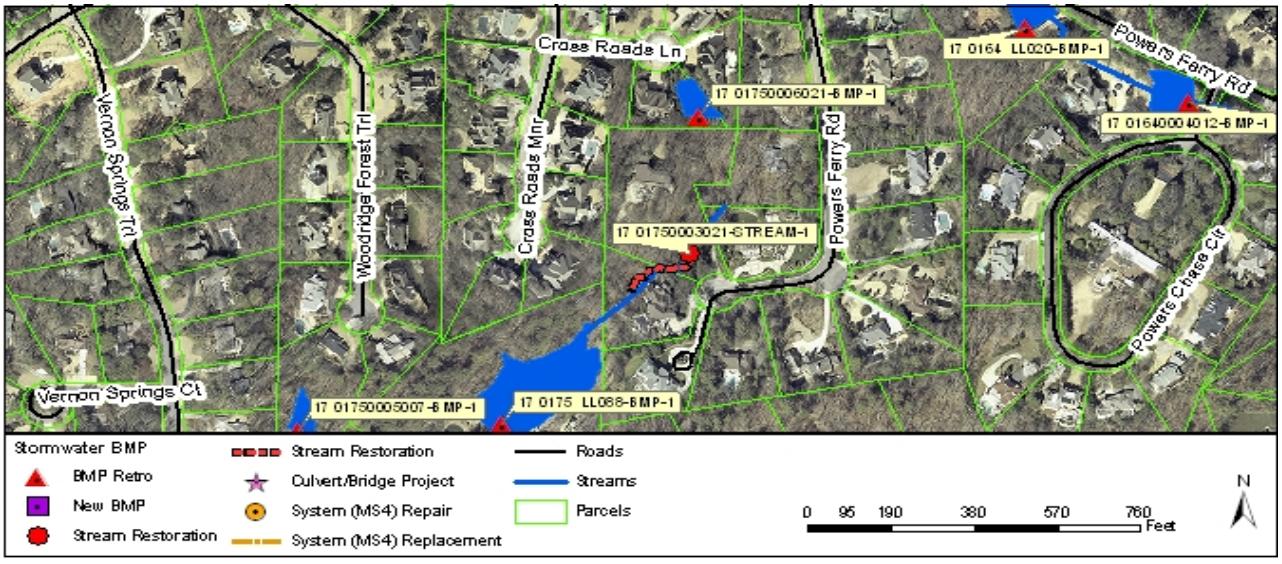

Figure 1 Plan View of Project with Aerial Photography

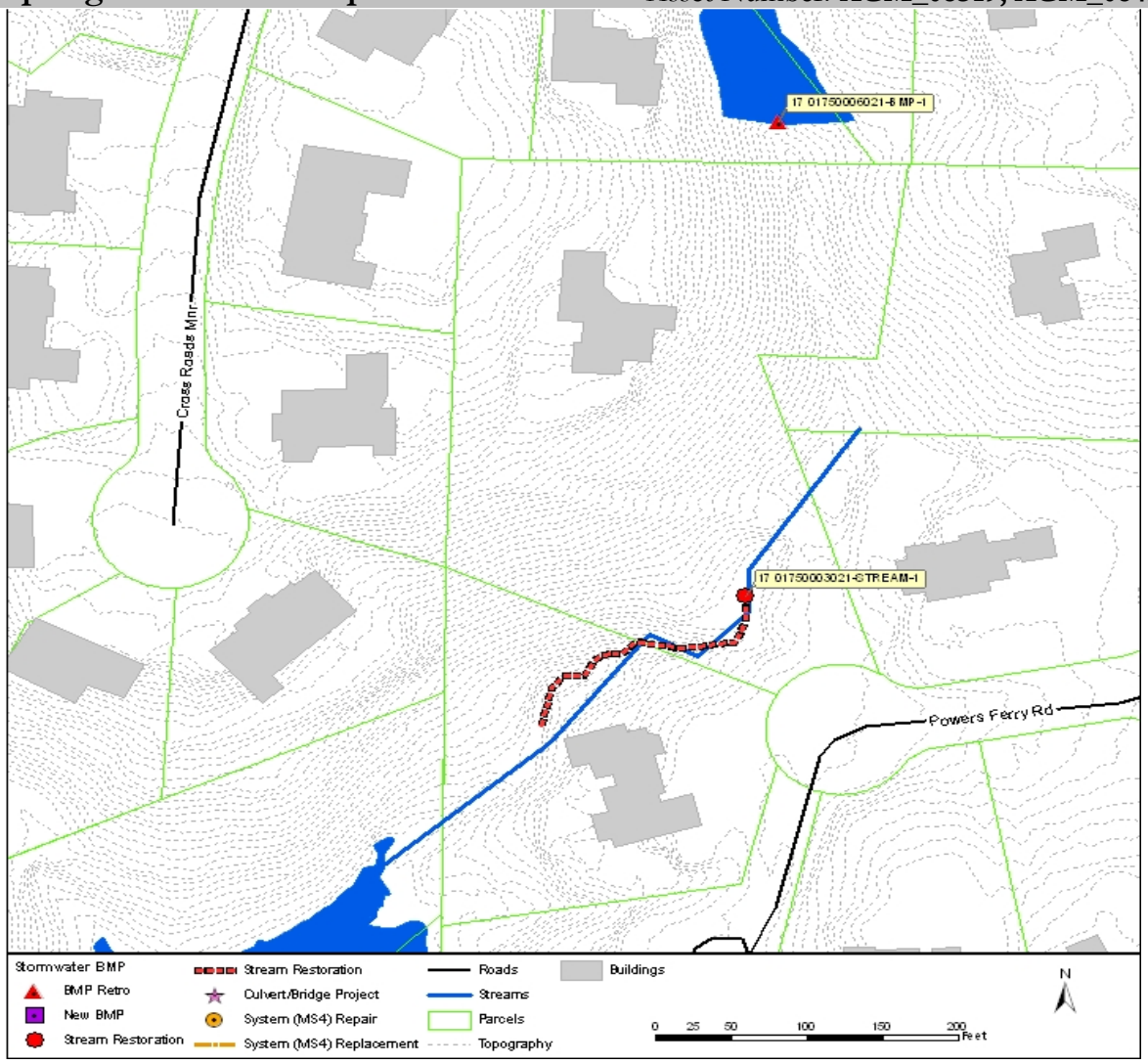

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	599	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:	206	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	50-75% LB	50-75% RB
Drainage Area:	29.1	acres	Bank Height:	3ft LB	3ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	23	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	9	
Flood Width Over Road:	N/A	ft	Change in Risk:	14	
Structure Type:	N/A		**Benefit/Cost:**	4.60	
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 01750005007-BMP-1**
Asset Number: **AGM_08401**

Benefit/Cost:	5.46	Address:	5240 Woodridge Forest Trl
Estimated Cost:	$367,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Woods - Grass Combination area near Woodridge Forest Trl. 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. Closest Asset number chosen.

Project Goals

This proposed retrofit will achieve full water quality and a portion of the channel protection benefits by converting it to a micropool extended detention pond and redesigning the control structure. Modifications include expanding the BMP's footprint to increase it's capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

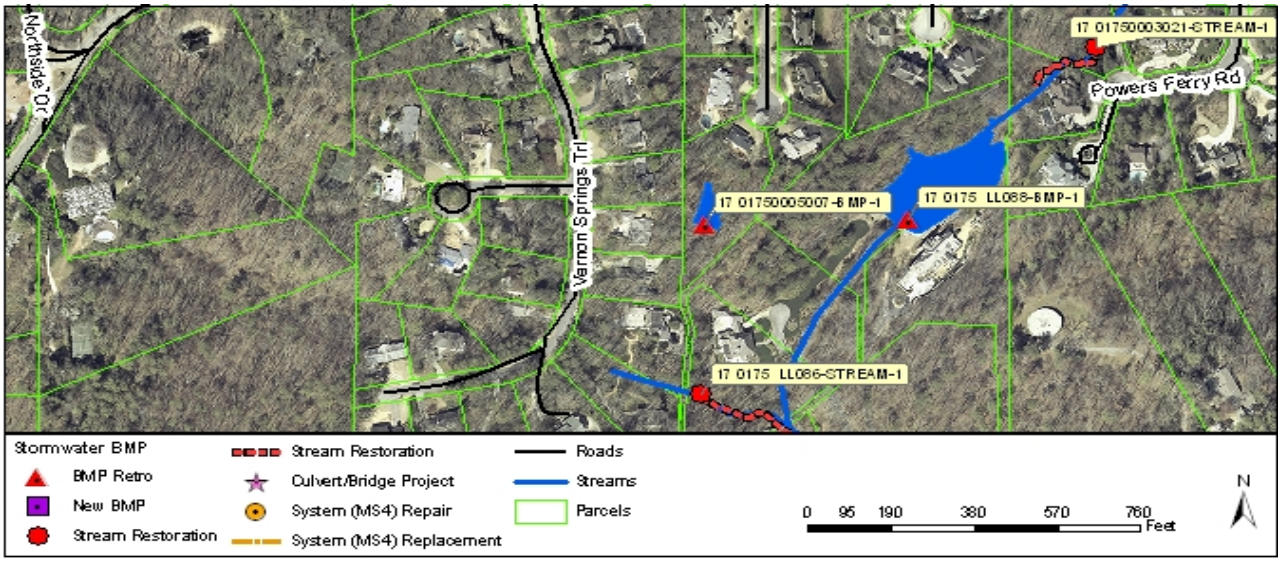

Figure 1 Plan View of Project with Aerial Photography

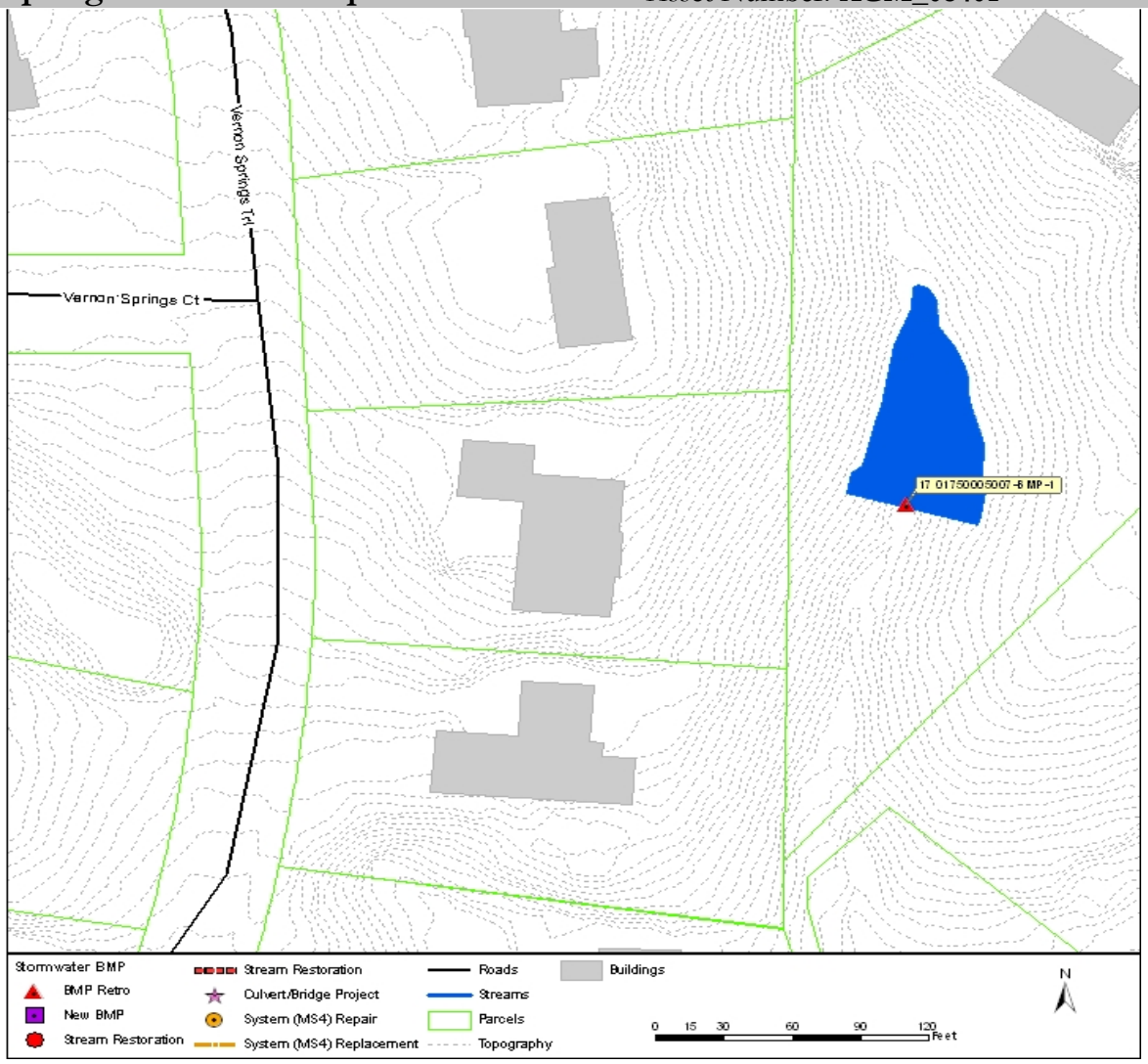

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	78	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	16,086	ft^3
Parcel Ownership:	Private		Potential Volume:	32,172	ft^3
Land Use:	Woods - Grass Combination		WQ Volume:	17,995	ft^3
	Fair		CP Volume:	37,631	ft^3
			25-Year Volume:	31,454	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	12.7	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	30	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	9	
Flood Width Over Road:	N/A	ft	Change in Risk:	22	
Structure Type:	N/A		**Benefit/Cost:**	5.46	
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 01750006021-BMP-1**
Asset Number: **AGM_08337**

Benefit/Cost:	3.15	Address:	215 Cross Roads Ln Nw
Estimated Cost:	$340,000	Study Area:	Long Island Creek
		Proposed Project Type:	Micropool Extended Detention

Project Description

Retrofit existing dry pond into a micropool extended detention pond. The existing BMP is located on a Residential - 1/2 acre area near Cross Roads Ln Nw. 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 a portion of the channel protection benefits by converting it to a micropool extended detention pond and redesigning the control structure. Modifications include excavating within the existing footprint to increase capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

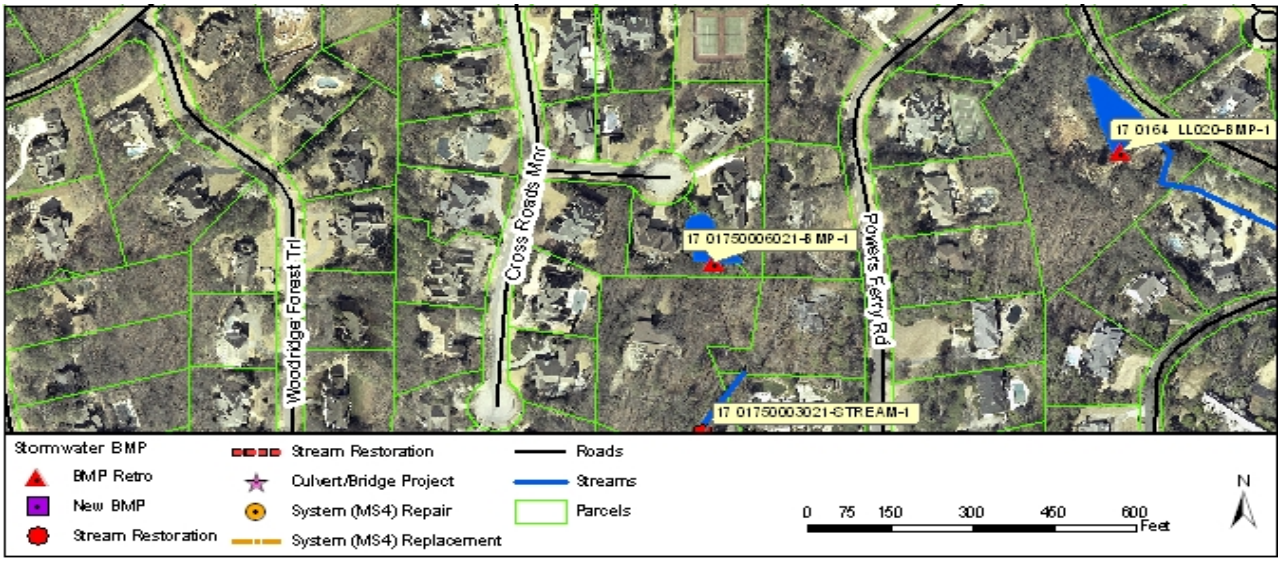

Figure 1 Plan View of Project with Aerial Photography

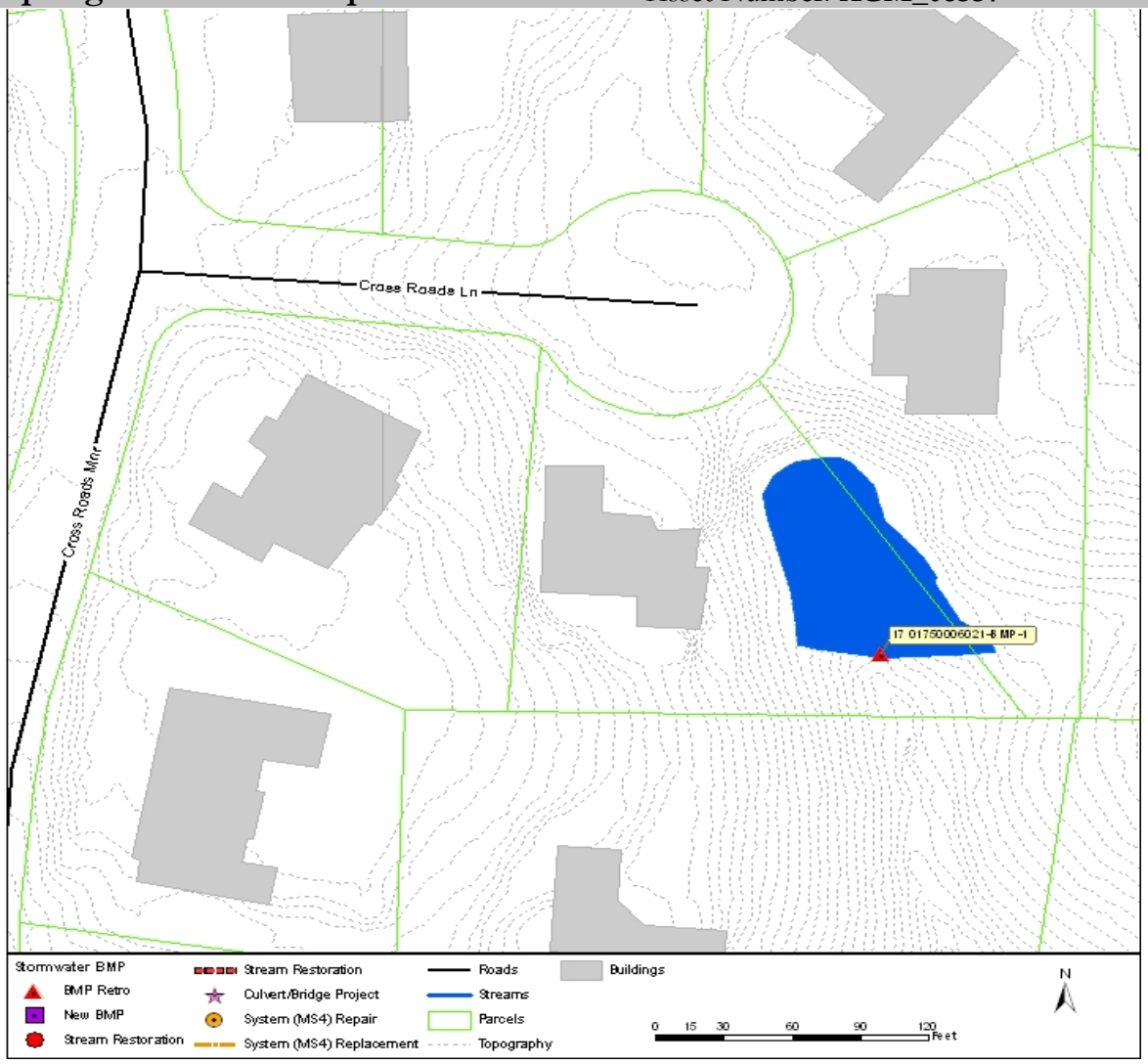

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	127	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	30,625	ft^3
Parcel Ownership:	Private		Potential Volume:	38,282	ft^3
Land Use:	Residential - 1/2 acre lot size; Water		WQ Volume:	35,191	ft^3
			CP Volume:	84,058	ft^3
			25-Year Volume:	90,603	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	22.2	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500		Existing Risk:	29	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	16	
Flood Width Over Road:	N/A	ft	Change in Risk:	13	
Structure Type:	N/A		**Benefit/Cost:**	3.15	
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 01770001023-STREAM-1**
Asset Number: **AGM_07476, AGM_07382**

Benefit/Cost:	6.03	Address:	0 Crest Valley Dr Nw
Estimated Cost:	$336,000	Study Area:	Long Island Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 4 stream restoration is proposed along the right bank. There is no buffer on right bank and the stream is encroaching on tennis courts along the right bank. 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 prevent property damage. 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

Photo 2

No photo available

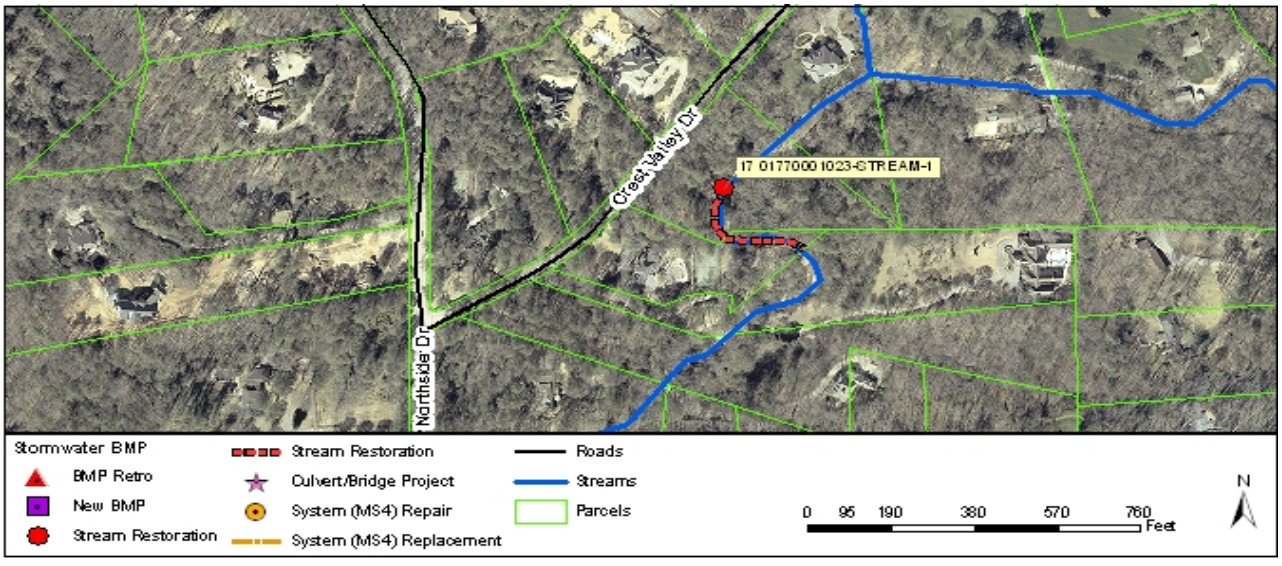

Figure 1 Plan View of Project with Aerial Photography

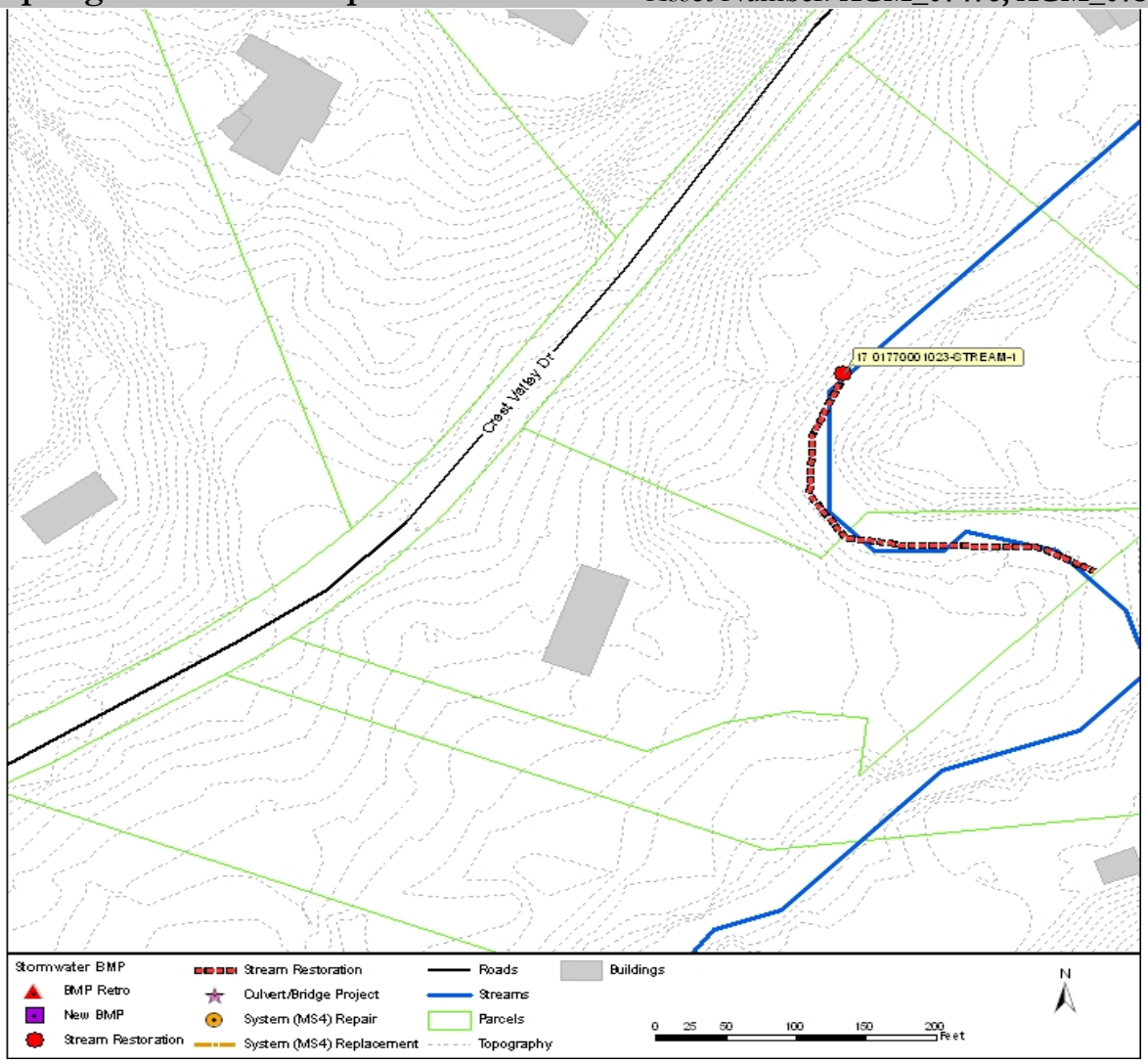

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	1,197	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:	332	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	3	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	50-75% LB	75-100% RB
Drainage Area:	3,763.9 acres		Bank Height:	5ft LB	5ft RB
FEMA Flood Hazard Zone:	AE-FLOODWAY		Existing Risk:	32	
Max Flood Depth Over Road:	N/A ft		Proposed Risk:	8	
Flood Width Over Road:	N/A ft		Change in Risk:	24	
Structure Type:	N/A		**Benefit/Cost:**	6.03	
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 01770002001-BMP-1**
Asset Number: **AGM_06842**

Benefit/Cost:	0.96	Address:	100 East Chambord Dr Nw
Estimated Cost:	$339,000	Study Area:	Long Island Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre area near East Chambord Dr Nw. 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

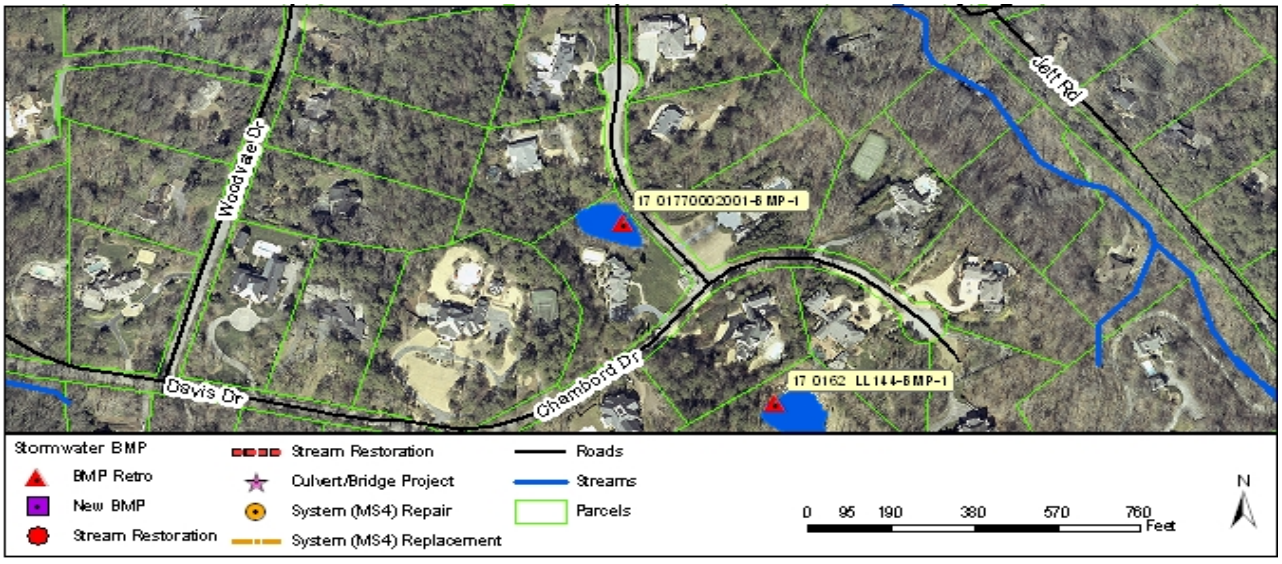

Figure 1 Plan View of Project with Aerial Photography

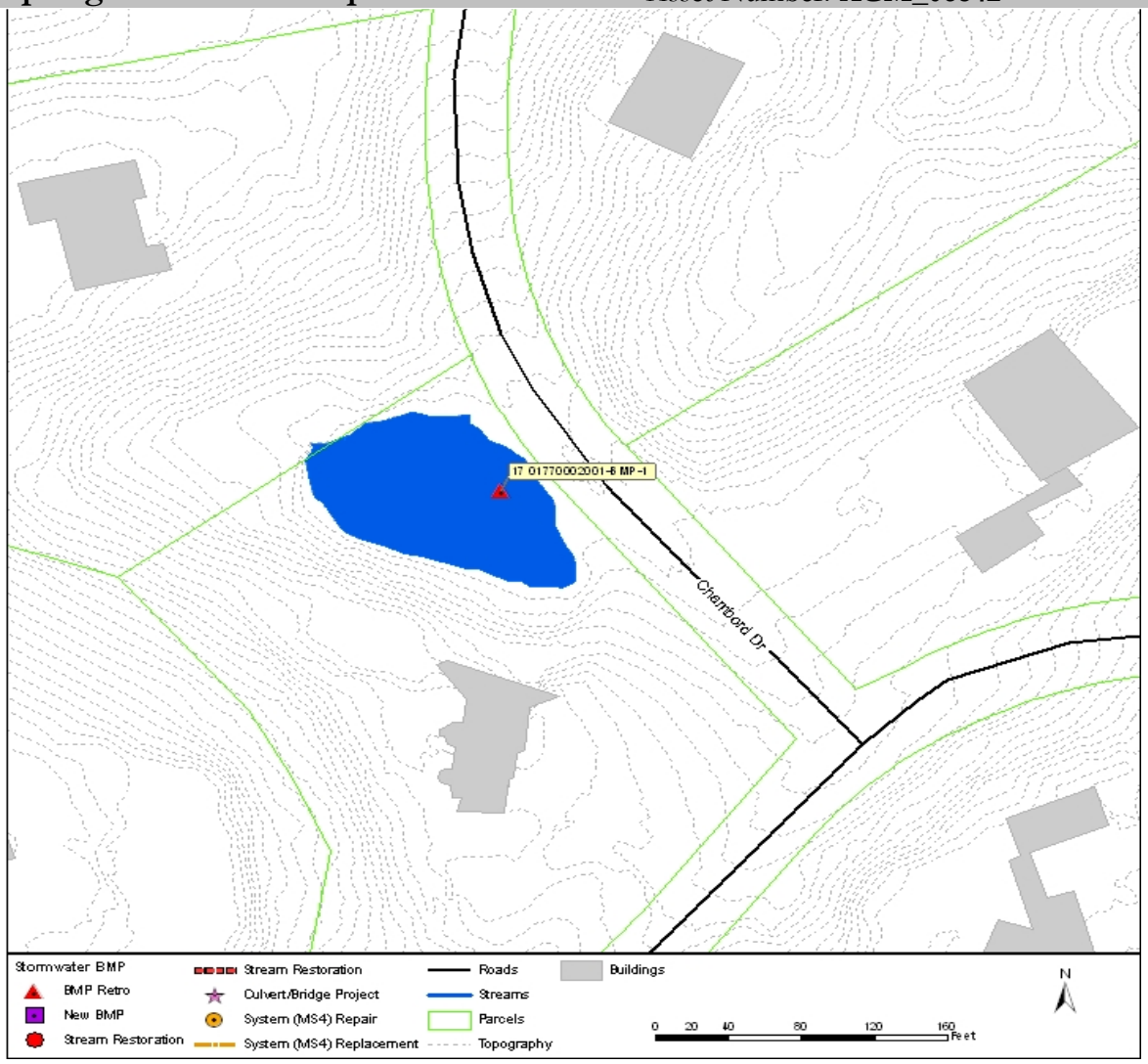

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	20	lb/ac/yr
Asset Ownership:	5: SF Residential-Attach		Existing Volume:	59,687	ft^3
Parcel Ownership:	Private		Potential Volume:	59,687	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	2,858	ft^3
			CP Volume:	10,537	ft^3
			25-Year Volume:	10,376	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	3.0	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	8	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	5	
Flood Width Over Road:	N/A	ft	Change in Risk:	4	
Structure Type:	N/A		**Benefit/Cost:**	0.96	
Pipe Size:	N/A	ft			
Structure/Pipe Age:	N/A				
Structure/Pipe Conditions:	N/A				