APPENDIX D: PROJECT SHEETS

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Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 01200001067-BMP-1**
Asset Number: **AGM_00311**

Benefit/Cost:	0.71	Address:	32 Mount Paran Rd Nw
Estimated Cost:	$436,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre area near Mount Paran Rd 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

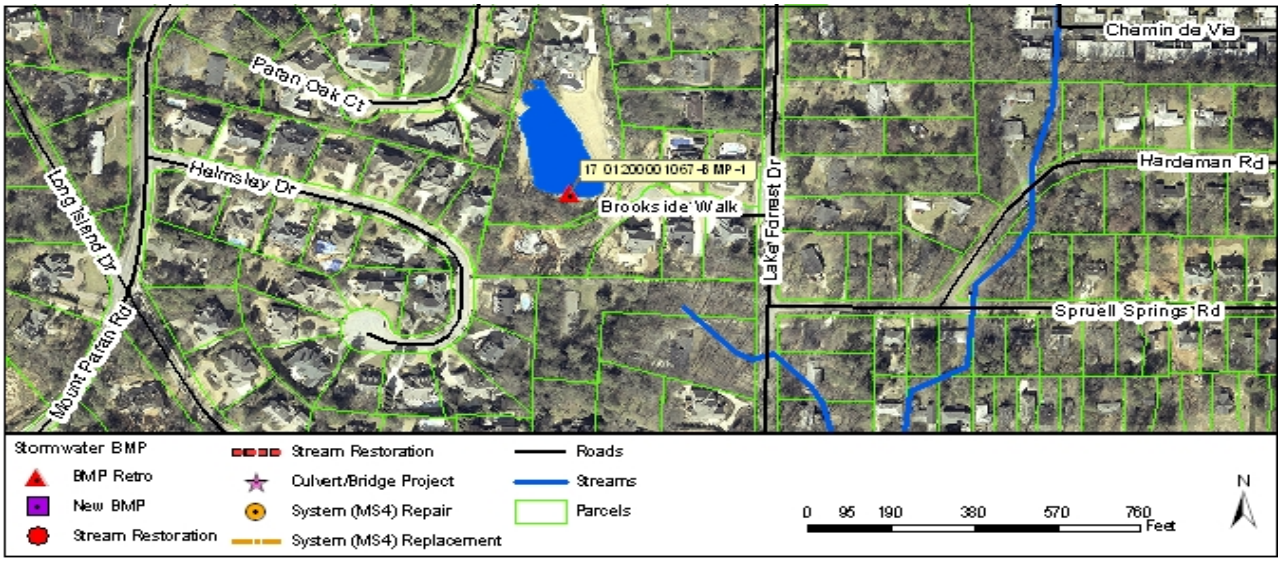

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 01200001067-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_00311**

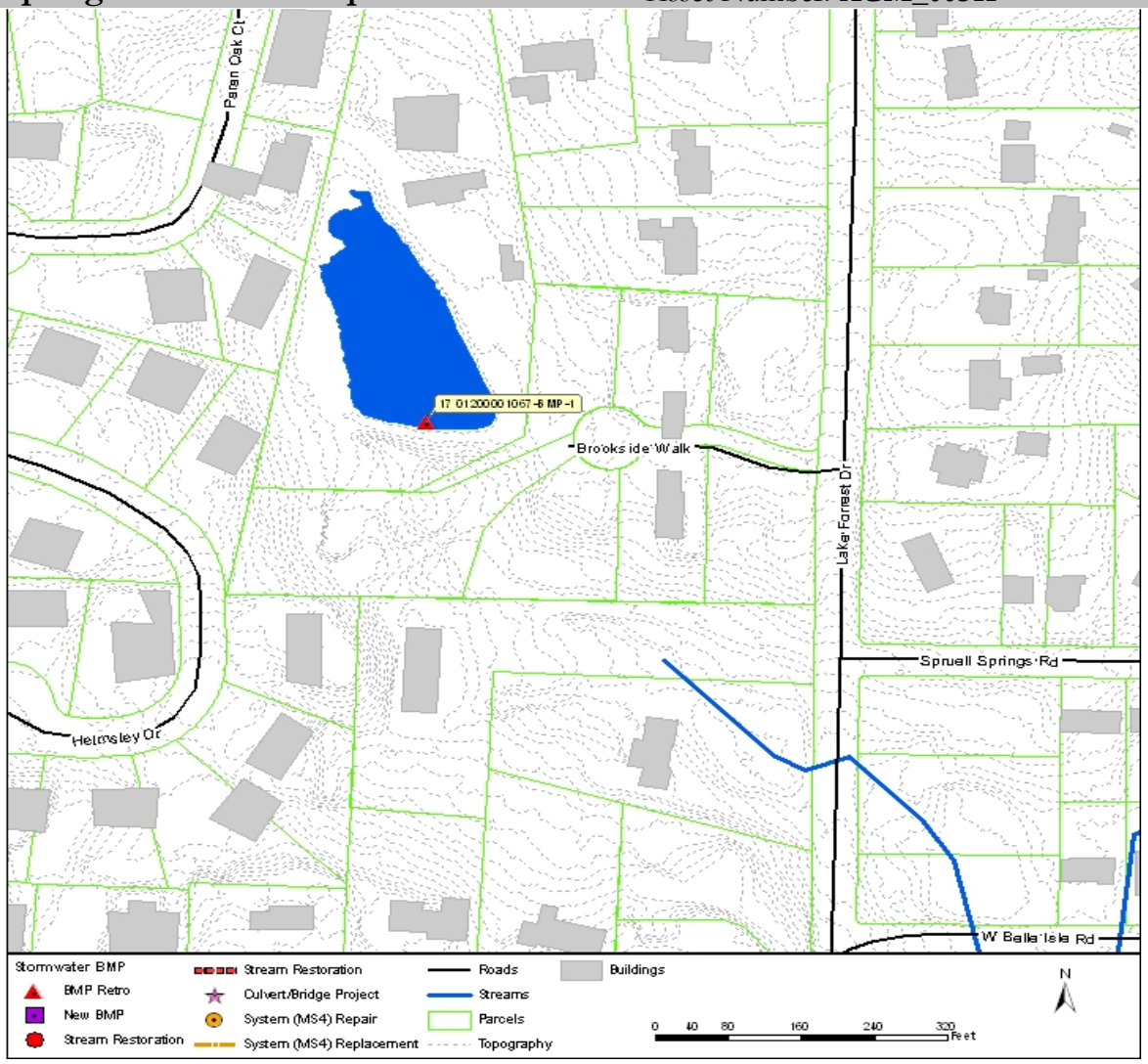

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	44	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	240,848	ft^3
Parcel Ownership:	Private		Potential Volume:	240,848	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	31,602	ft^3
			CP Volume:	71,435	ft^3
			25-Year Volume:	77,200	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:	18.1	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	7	
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:**	0.71	
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 0013 LL089-BMP-1**
Asset Number: **AGM_00115**

Benefit/Cost:	0.62	Address:	715 Registry Ln
Estimated Cost:	$526,000	Study Area:	Nancy 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 Registry Ln. 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

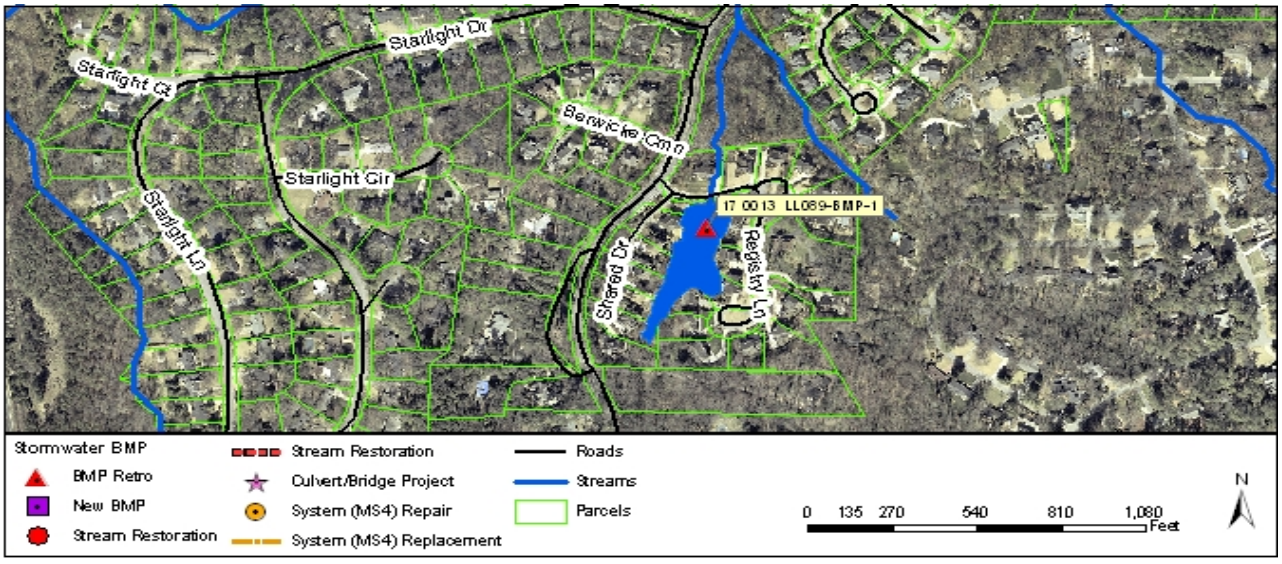

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation

Project ID: **17 0013 LL089-BMP-1**

Sandy Springs Watershed Improvement Plan

Asset Number: **AGM_00115**

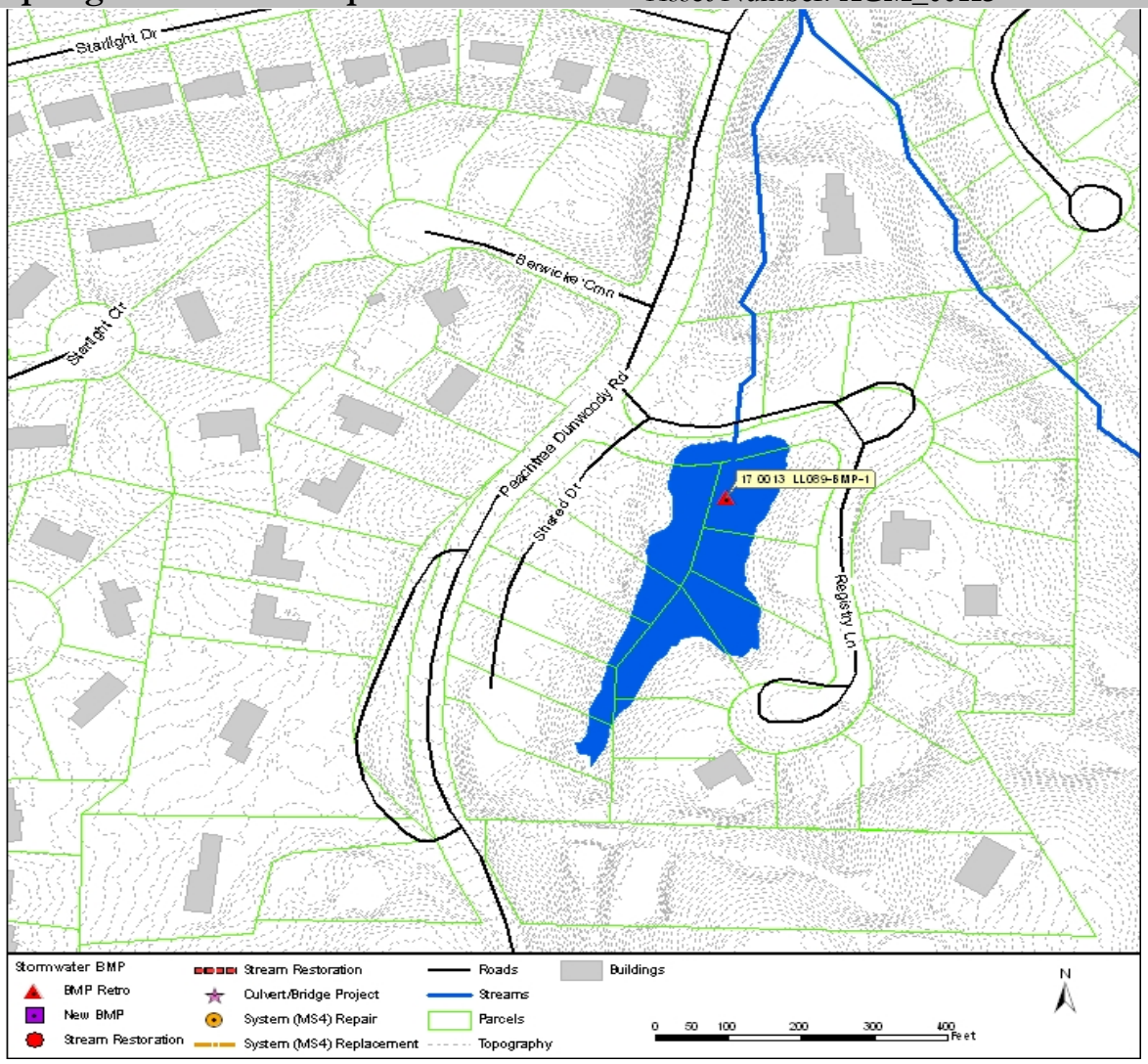

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	64	lb/ac/yr
Asset Ownership:	9: To Be Determined		Existing Volume:	499,514	ft^3
Parcel Ownership:	Private		Potential Volume:	499,514	ft^3
Land Use:	Residential - 1/3 acre lot size; Water		WQ Volume:	25,336	ft^3
			CP Volume:	138,131	ft^3
			25-Year Volume:	158,795	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:	32.4	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:**	0.62	
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 0014 LL104-BMP-1**
Asset Number: **AGM_00637**

Benefit/Cost:	1.39	Address:	555 Trimble Lake Ct
Estimated Cost:	$499,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Open Space; Residential - 1/2 acre; Woods - Grass Combination area near Trimble Lake 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 both full water quality and 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

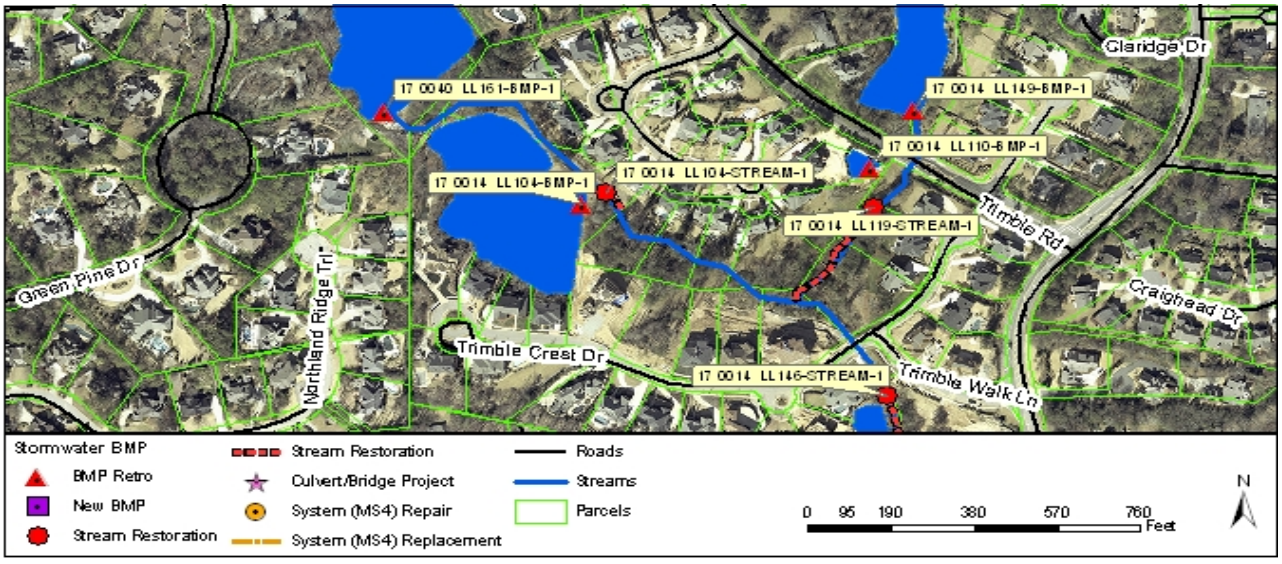

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0014 LL104-BMP-1**

Sandy Springs Watershed Improvement Plan Asset Number: **AGM_00637**

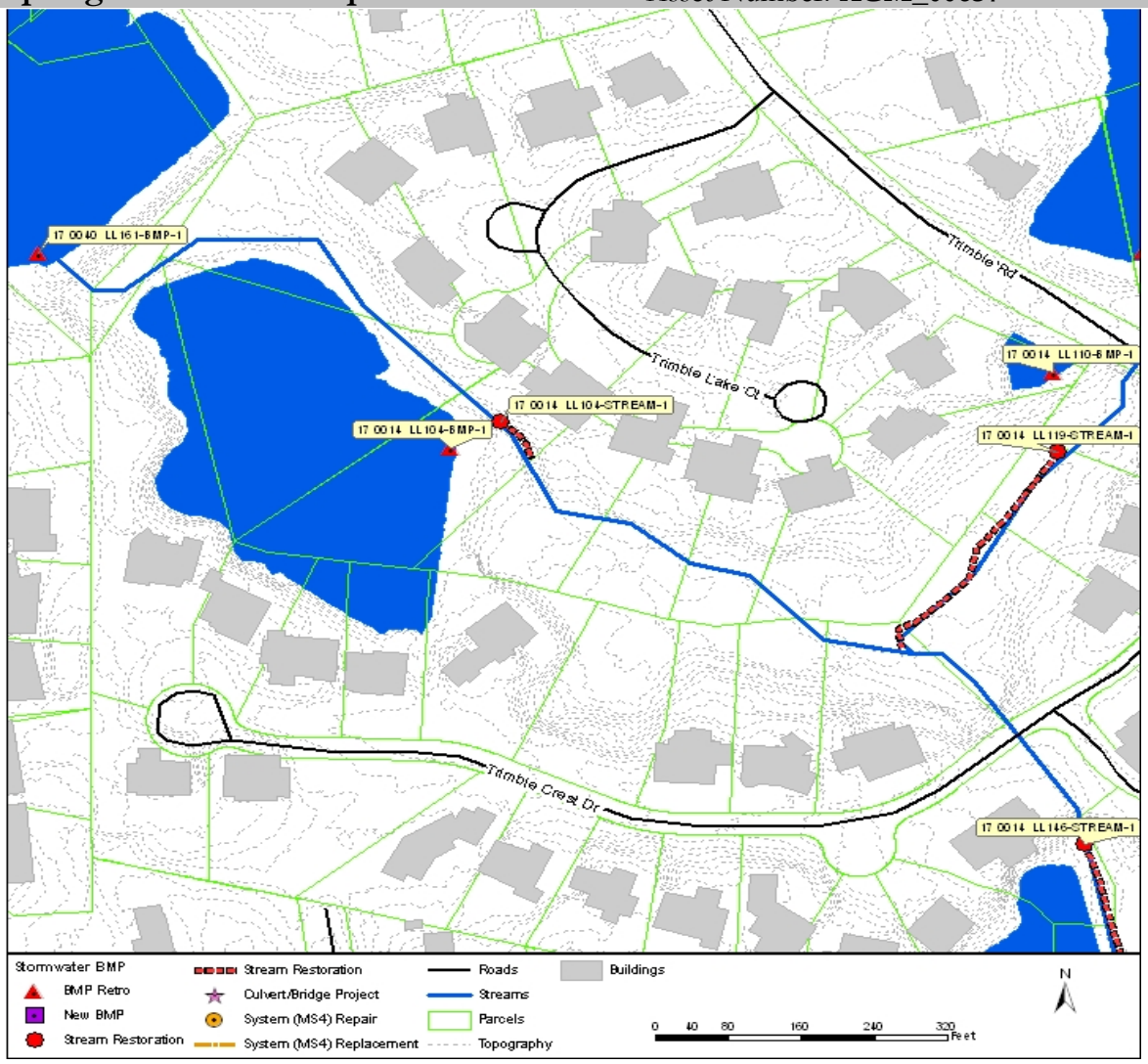

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	40	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	1,231,921	ft^3
Parcel Ownership:	Private		Potential Volume:	1,231,921	ft^3
Land Use:	Open Space Good;		WQ Volume:	27,302	ft^3
	Residential - 1/2 acre lot size;		CP Volume:	65,844	ft^3
	Water; Woods - Grass		25-Year Volume:	75,982	ft^3
	Combination Fair		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:	12.6	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500		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:**	1.39	
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 0014 LL104-STREAM-1**
Asset Number: **AGM_00635, AGM_00681**

Benefit/Cost:	6.19	Address:	555 Trimble Lake Ct
Estimated Cost:	$110,000	Study Area:	Nancy Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 4 restoration is needed for spot repair along approximately 60 foot reach just downstream of a stable knickpoint. The stream is incising and widening downstream of the knickpoint. 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 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

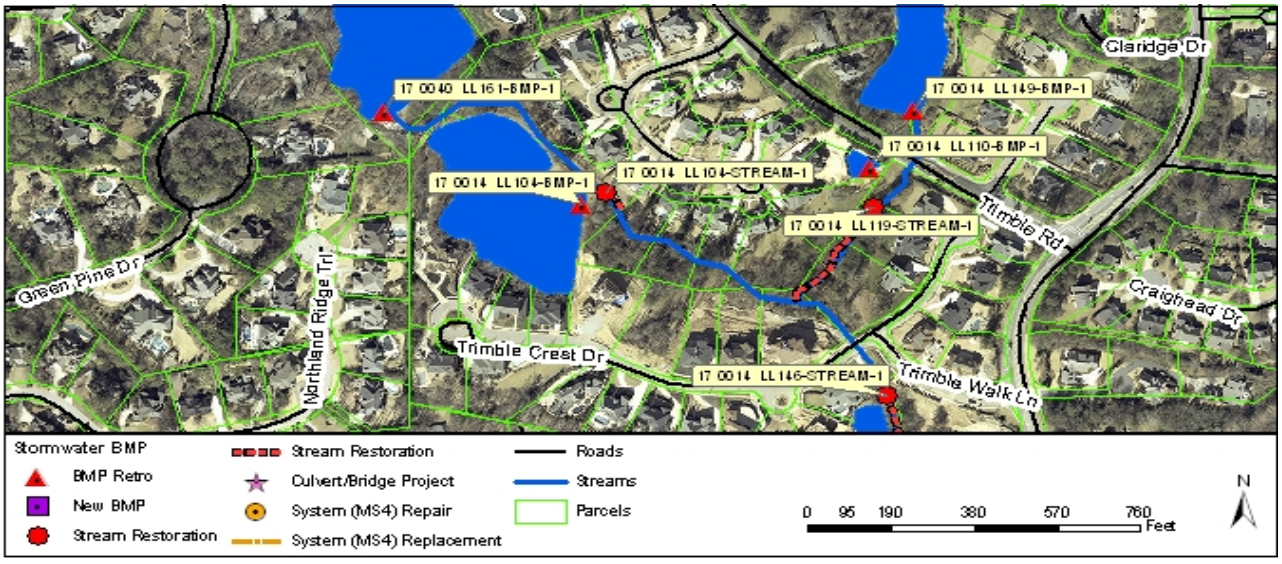

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0014 LL104-STREAM-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_00635, AGM_00681**

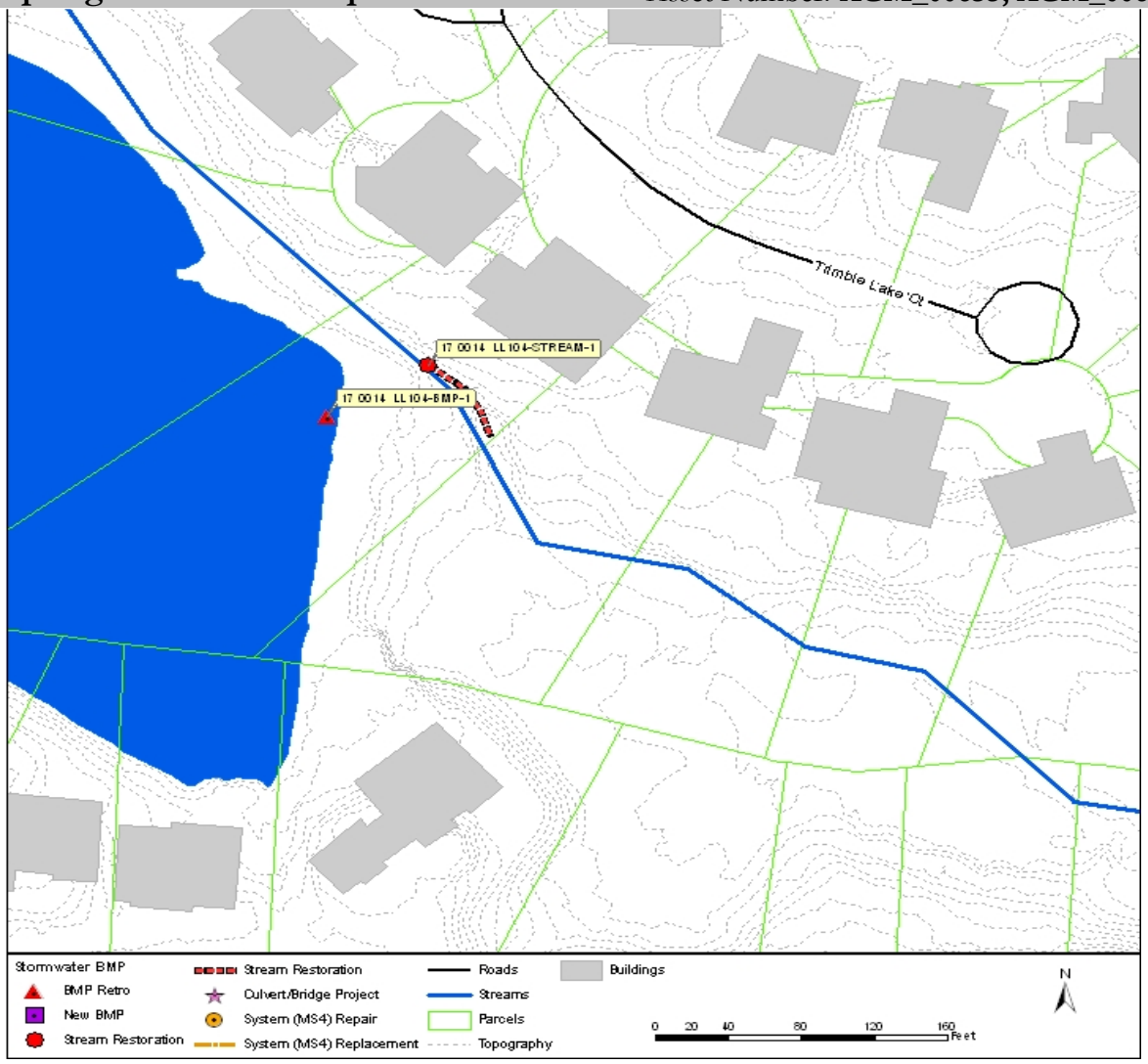

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	1,065	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 - 1/2 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:	59	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	75-100% RB
Drainage Area:	322.1	acres	Bank Height:	5ft LB	5ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	32	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	14	
Flood Width Over Road:	N/A	ft	Change in Risk:	19	
Structure Type:	N/A		**Benefit/Cost:**	6.19	
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 0014 LL110-BMP-1**
Asset Number: **AGM_00601**

Benefit/Cost:	3.74	Address:	550 Trimble Lake Ct
Estimated Cost:	$246,000	Study Area:	Nancy 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 Residential - 1/2 acre area near Trimble Lake Ct. 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

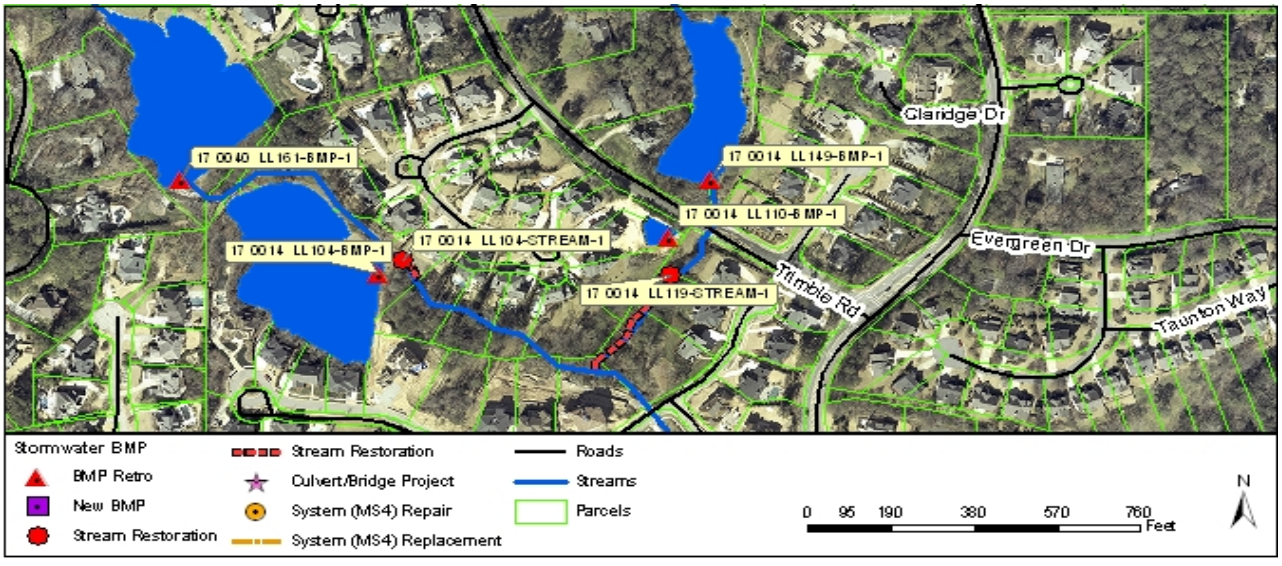

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0014 LL110-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_00601**

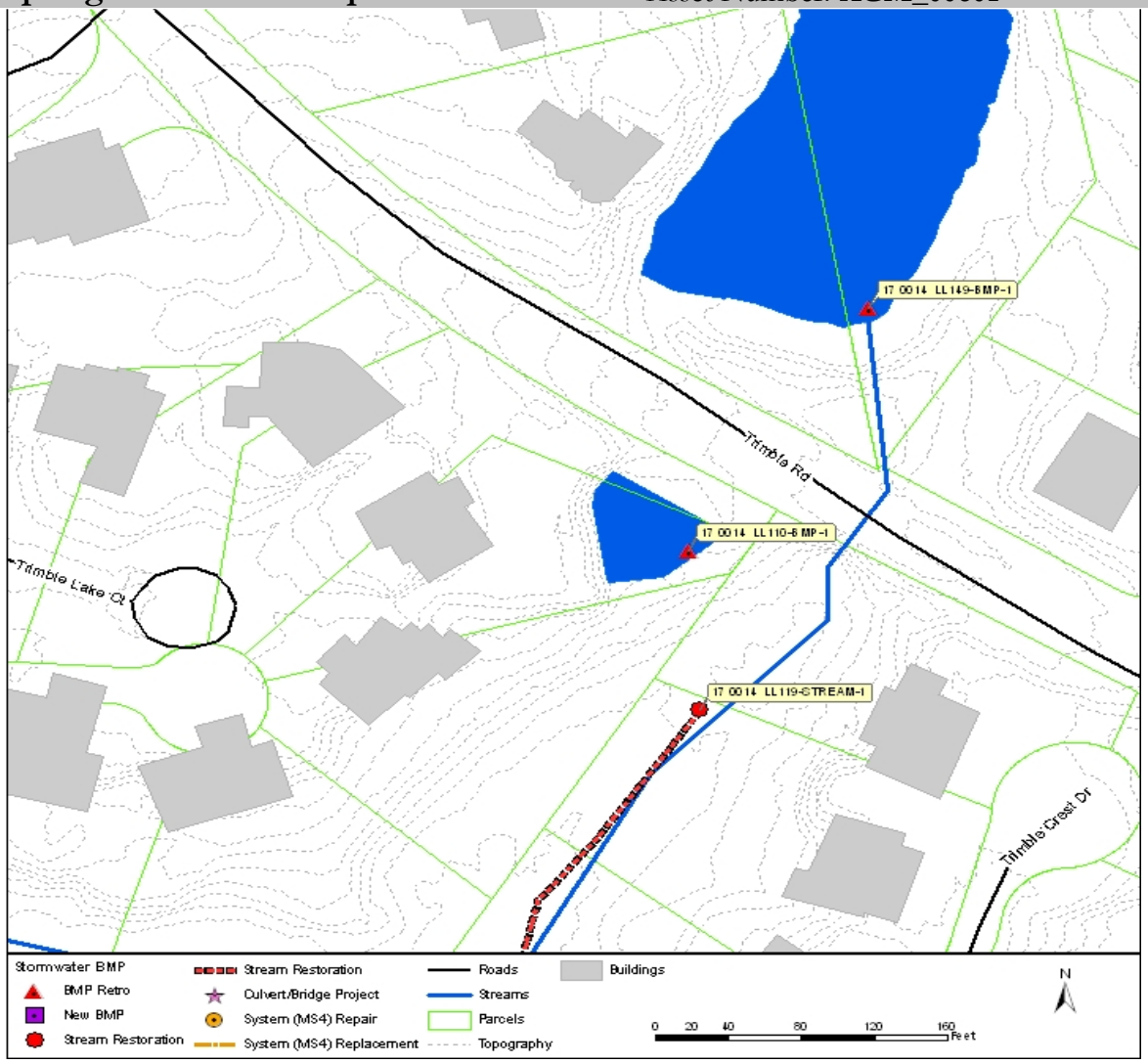

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	80	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	5,697	ft^3
Parcel Ownership:	Private		Potential Volume:	5,697	ft^3
Land Use:	Residential - 1/2 acre lot size		WQ Volume:	3,298	ft^3
			CP Volume:	4,981	ft^3
			25-Year Volume:	5,089	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:	1.5	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	21	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	10	
Flood Width Over Road:	N/A	ft	Change in Risk:	11	
Structure Type:	N/A		**Benefit/Cost:**	3.74	
Pipe Size:	N/A	ft			
Structure/Pipe Age:	N/A				
Structure/Pipe Conditions:	N/A				

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0014 LL119-STREAM-1**
Asset Number: **AGM_00592, AGM_00681**

Benefit/Cost: 3.81
Estimated Cost: $341,000
Address: 170 Trimble Crest Dr
Study Area: Nancy Creek
Proposed Project Type: Stream Restoration

Project Description

Level 4 stream restoration is proposed along a reach with steep eroding banks. Bank stabilization is needed along approximately 300 foot reach. This project is part of the original CIP (Project ID NC-AJ-BMP-7). Level 4 restoration is proposed where an an incised channel is stabilized in place using in stream structures and bioengineering.

Project Goals

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

Photos and Maps

Photo 1

Photo 2

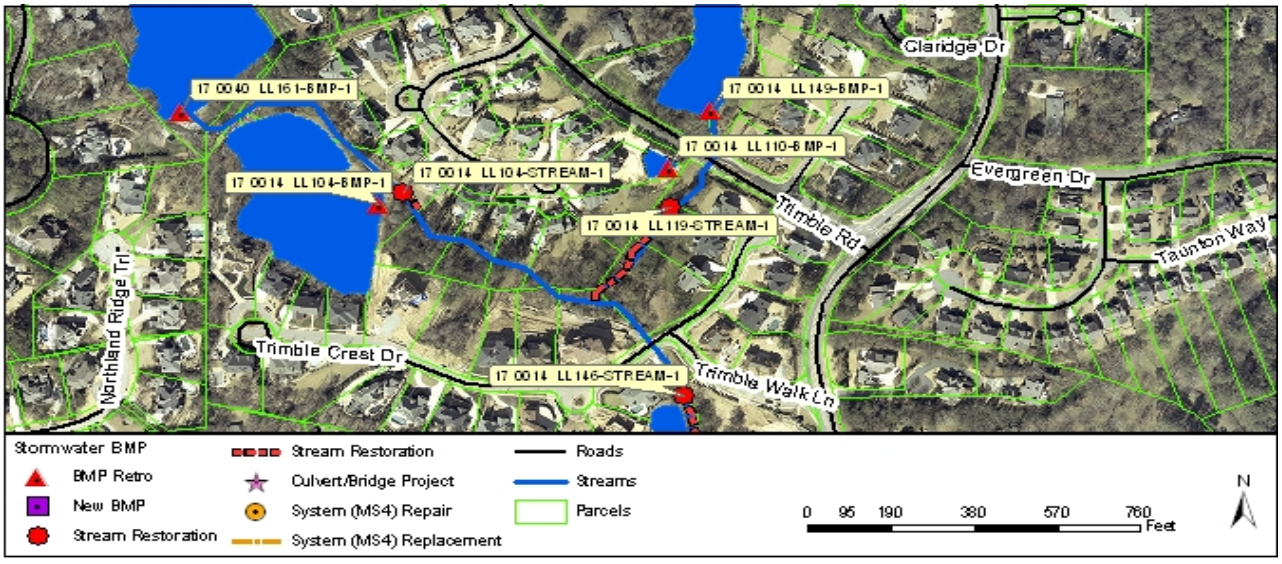

Figure 1 Plan View of Project with Aerial Photography

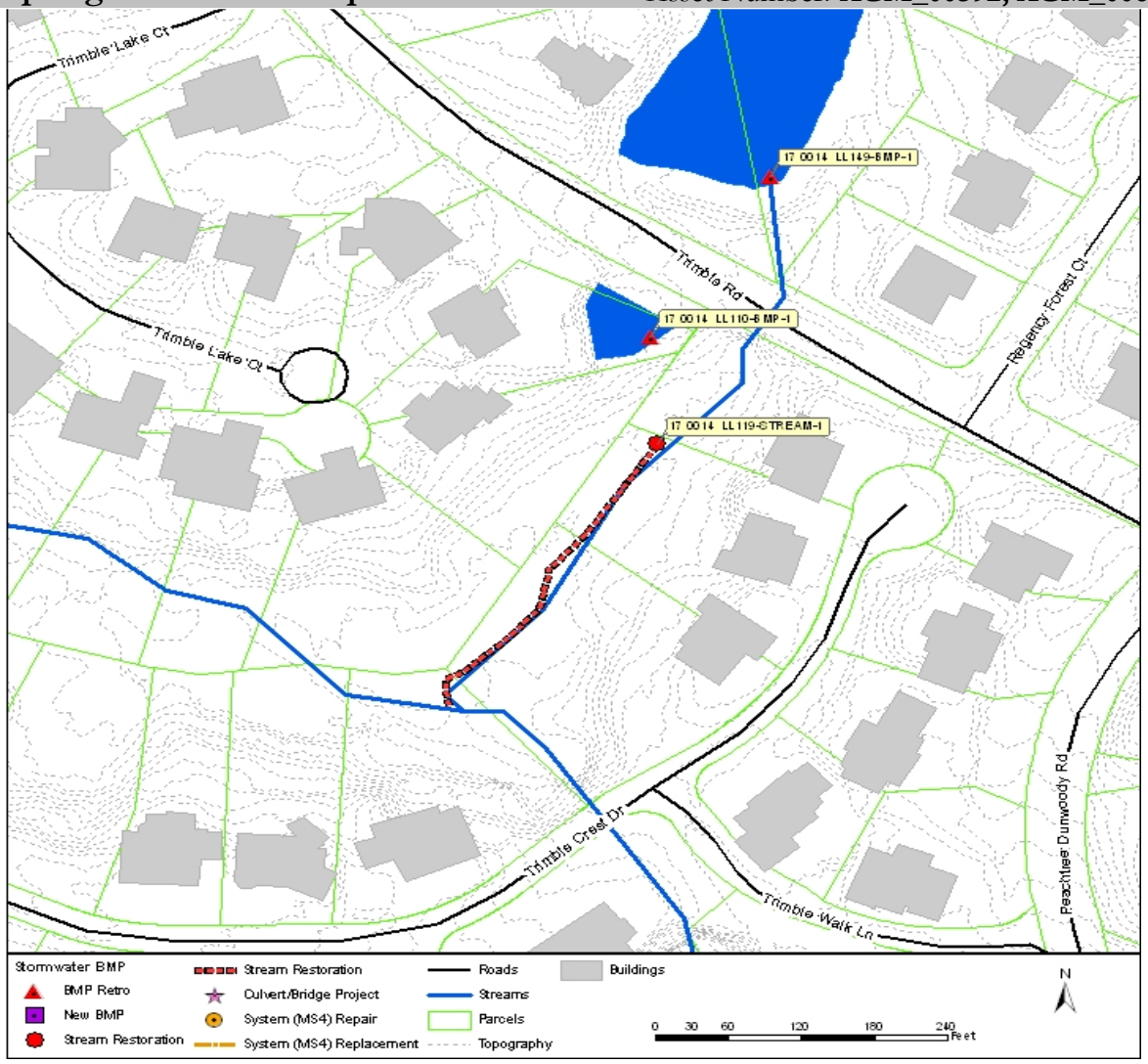

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	377	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:	316	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	75-100% RB
Drainage Area:	174.0	acres	Bank Height:	3ft LB	3ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	31	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	16	
Flood Width Over Road:	N/A	ft	Change in Risk:	15	
Structure Type:	N/A		**Benefit/Cost:**	3.81	
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 0014 LL140-BMP-1**
Asset Number: **AGM_00651**

Benefit/Cost:	0.89	Address:	700 Trimble Crest Drive
Estimated Cost:	$464,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1/2 acre; Woods - Grass Combination area near Trimble Crest Drive. This project was included in the previous CIP as NC-AJ-BMP-7. 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

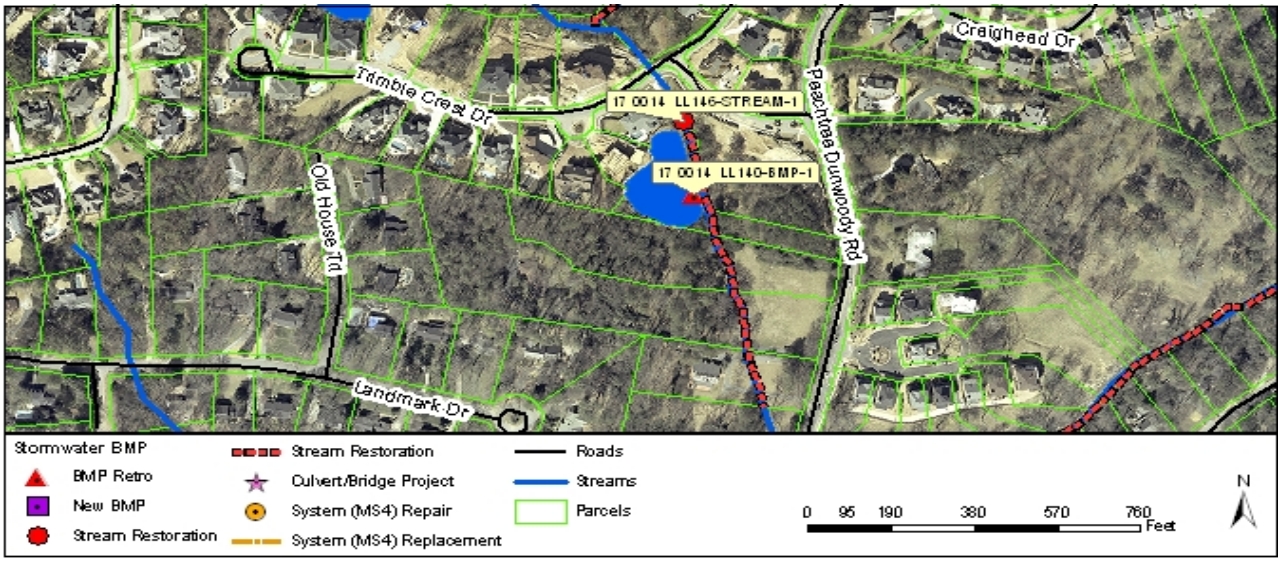

Figure 1 Plan View of Project with Aerial Photography

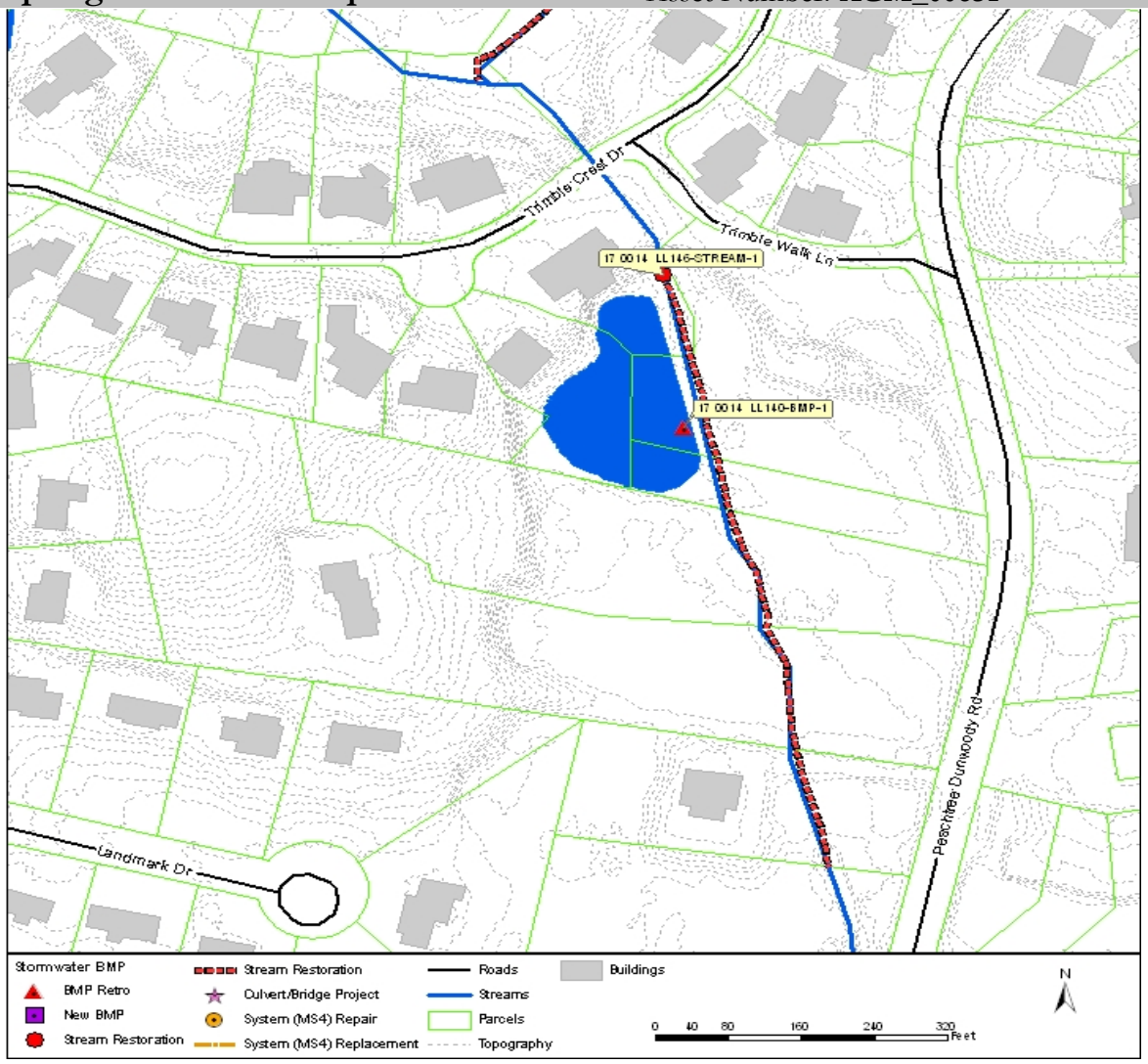

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	23	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	241,651	ft^3
Parcel Ownership:	Private		Potential Volume:	241,651	ft^3
Land Use:	Residential - 1/2 acre lot size;		WQ Volume:	4,424	ft^3
	Water; Woods - Grass		CP Volume:	9,477	ft^3
	Combination Fair		25-Year Volume:	10,721	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:	1.7	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	AE, X		Existing Risk:	8	
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:**	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 0014 LL146-STREAM-1**
Asset Number: **AGM_00665, AGM_00568**

Benefit/Cost:	2.83	Address:	215 Trimble Crest Drive
Estimated Cost:	$853,000	Study Area:	Nancy Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 3 restoration is proposed for approximately 800 foot reach where portions of the bed are eroded clay. Banks are 90 degrees and channel is very incised. Bank erosion is high on both banks (75-100%). This project is part of the original CIP (Project ID NC-AJ-BMP-7). 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 to decrease suspended sediment loads and improve water quality and instream habitat. Establish and protect a vegetated buffer along the stream. Restore proper dimension, pattern, and profile so the channel will move water and sediment without aggrading or degrading while also considering flood hazards. Work with property owner to encourage near-stream conservation efforts.

Photos and Maps

Photo 1

Photo 2

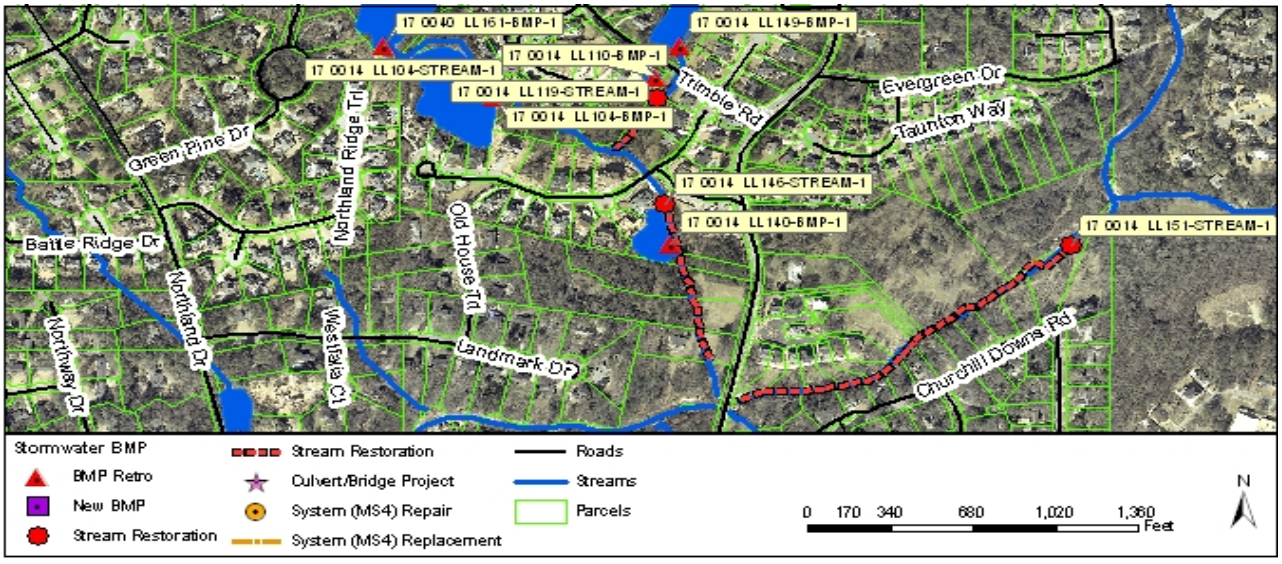

Figure 1 Plan View of Project with Aerial Photography

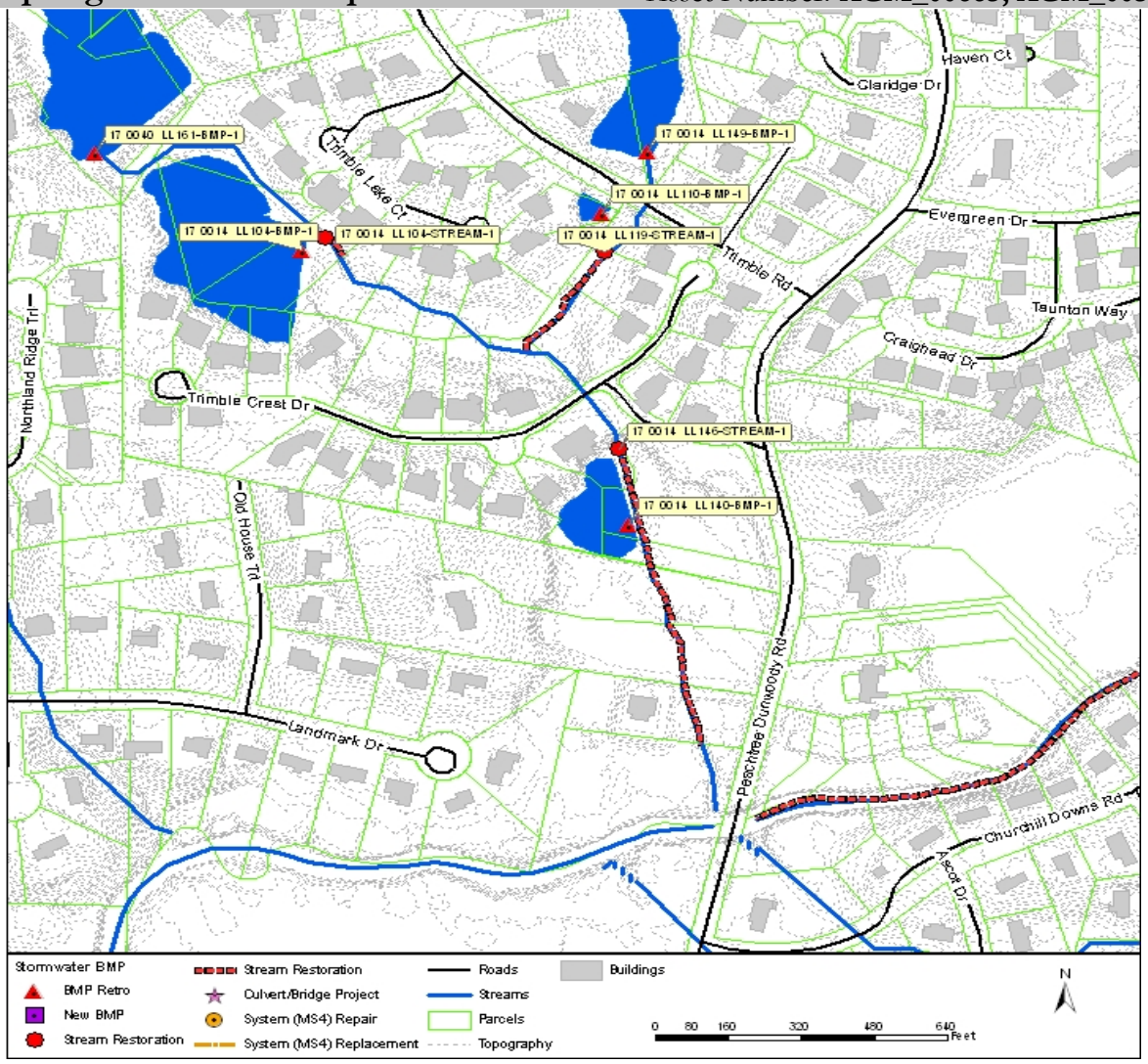

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	978	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:	777	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	75-100% RB
Drainage Area:	523.4	acres	Bank Height:	3ft LB	4ft RB
FEMA Flood Hazard Zone:	AE		Existing Risk:	37	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	20	
Flood Width Over Road:	N/A	ft	Change in Risk:	17	
Structure Type:	N/A		**Benefit/Cost:**	2.83	
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 0014 LL149-BMP-1**

Asset Number: **AGM_00575**

Benefit/Cost:	1.83	Address:	0 Trimble Rd
Estimated Cost:	$1,273,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1 acre area near Trimble Rd. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as NC-AJ-BMP-4. 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

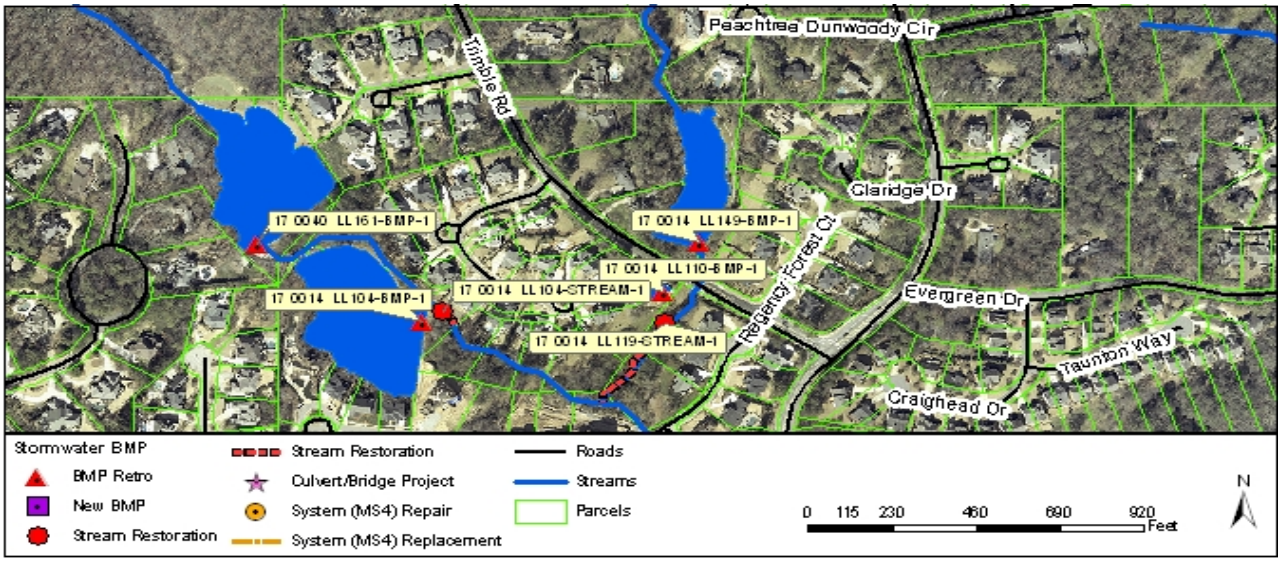

Figure 1 Plan View of Project with Aerial Photography

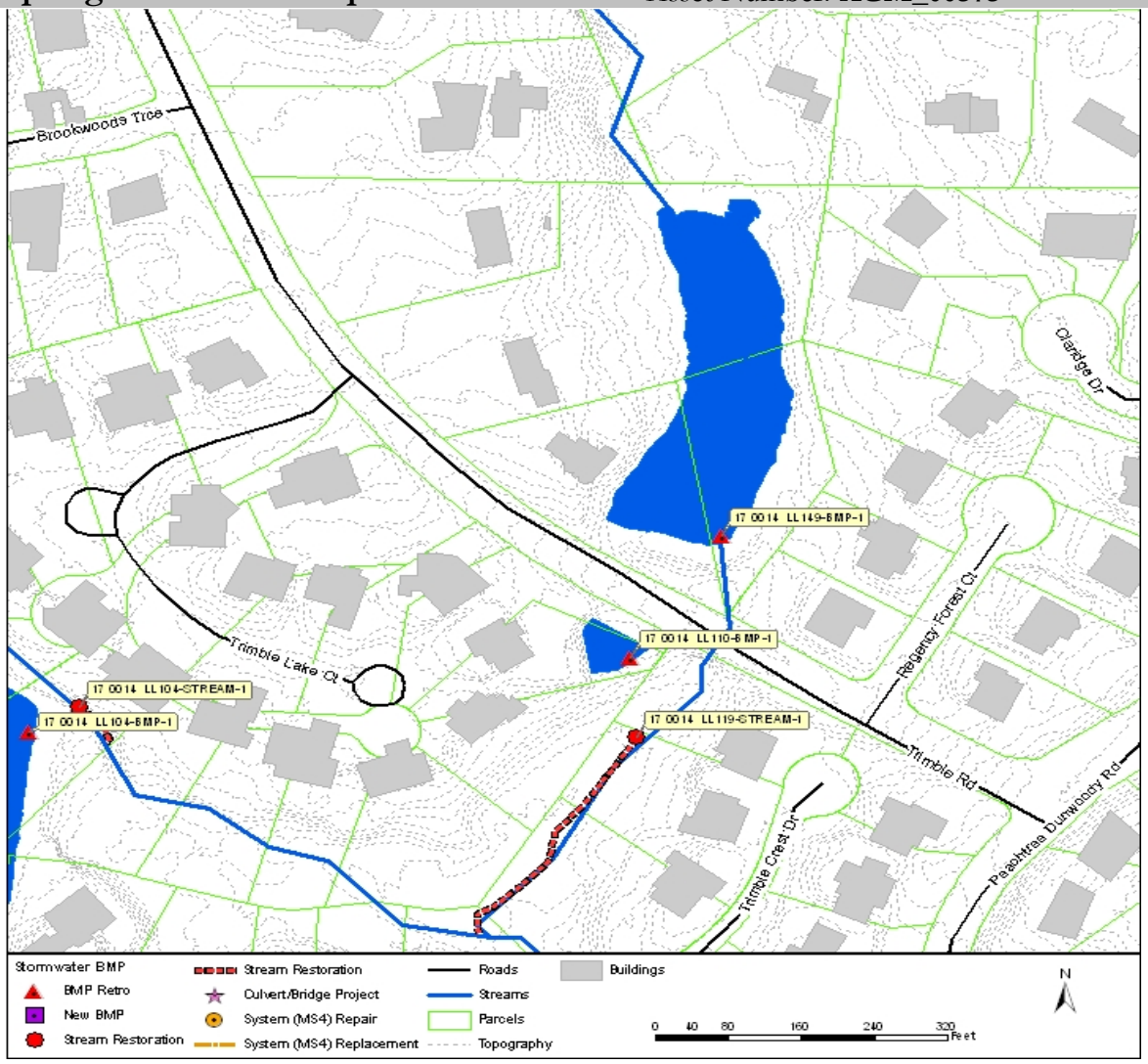

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	359	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	434,972	ft^3
Parcel Ownership:	Private		Potential Volume:	543,714	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	262,270	ft^3
			CP Volume:	949,587	ft^3
			25-Year Volume:	1,172,183	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:	154.4	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500		Existing Risk:	27	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	14	
Flood Width Over Road:	N/A	ft	Change in Risk:	13	
Structure Type:	N/A		**Benefit/Cost:**	1.83	
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 0014 LL151-STREAM-1**
Asset Number: **AGM_00685, AGM_00655**

Benefit/Cost:	2.63	Address:	0 Churchill Downs Road
Estimated Cost:	$1,646,000	Study Area:	Nancy Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 3 restoration is proposed for approximately 1,500 feet of stream. The banks are tall and steep and no adequate buffer is present. Banks need stabilization and sloping. 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 to decrease suspended sediment loads and improve water quality and instream habitat. Establish and protect a vegetated buffer along the stream. Restore proper dimension, pattern, and profile so the channel will move water and sediment without aggrading or degrading while also considering flood hazards.

Photos and Maps

Photo 1

Photo 2

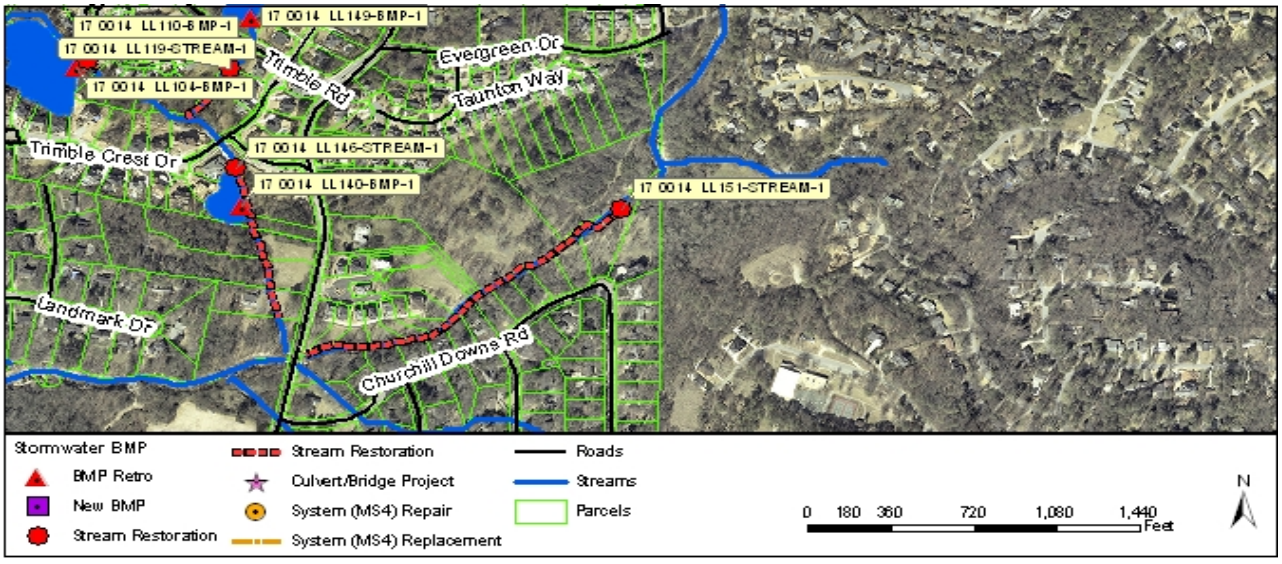

Figure 1 Plan View of Project with Aerial Photography

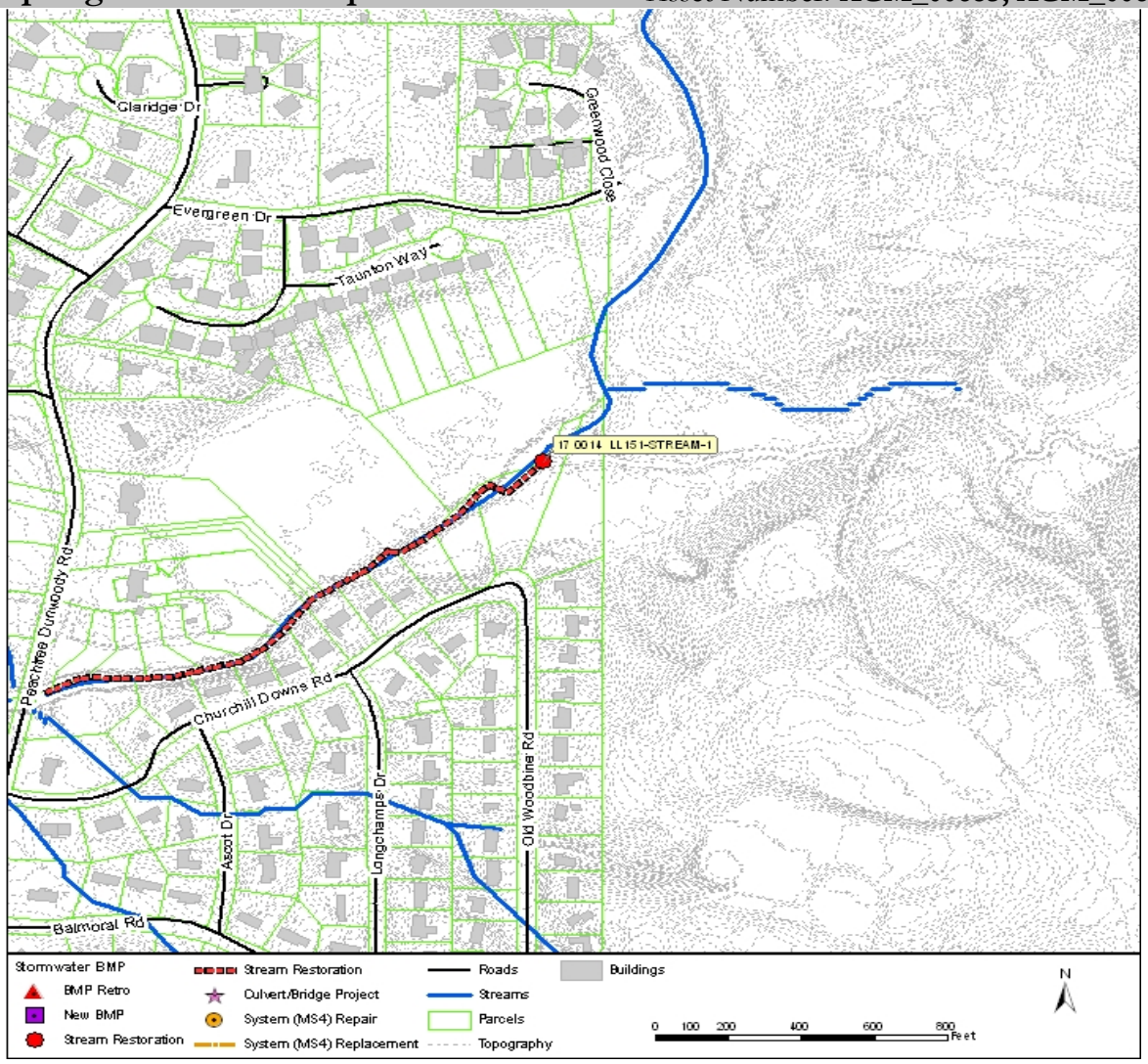

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	733	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
	Residential - 1/2 acre lot size;		CP Volume:	N/A	ft^3
	Water; Woods - Grass		25-Year Volume:	N/A	ft^3
	Combination Fair		Stream Project Length:	1,650	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	4	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	50-75% LB	0-25% RB
Drainage Area:	6,198.7 acres		Bank Height:	12ft LB	12ft RB
FEMA Flood Hazard Zone:	AE-FLOODWAY		Existing Risk:	33	
Max Flood Depth Over Road:	N/A ft		Proposed Risk:	12	
Flood Width Over Road:	N/A ft		Change in Risk:	21	
Structure Type:	N/A		**Benefit/Cost:**	2.63	
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 0015 LL097-BMP-1**
Asset Number: **AGM_02110**

Benefit/Cost:	1.51	Address:	5385 Peachtree Dunwoody Rd
Estimated Cost:	$750,000	Study Area:	Nancy 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 Peachtree Dunwoody Rd. 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 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

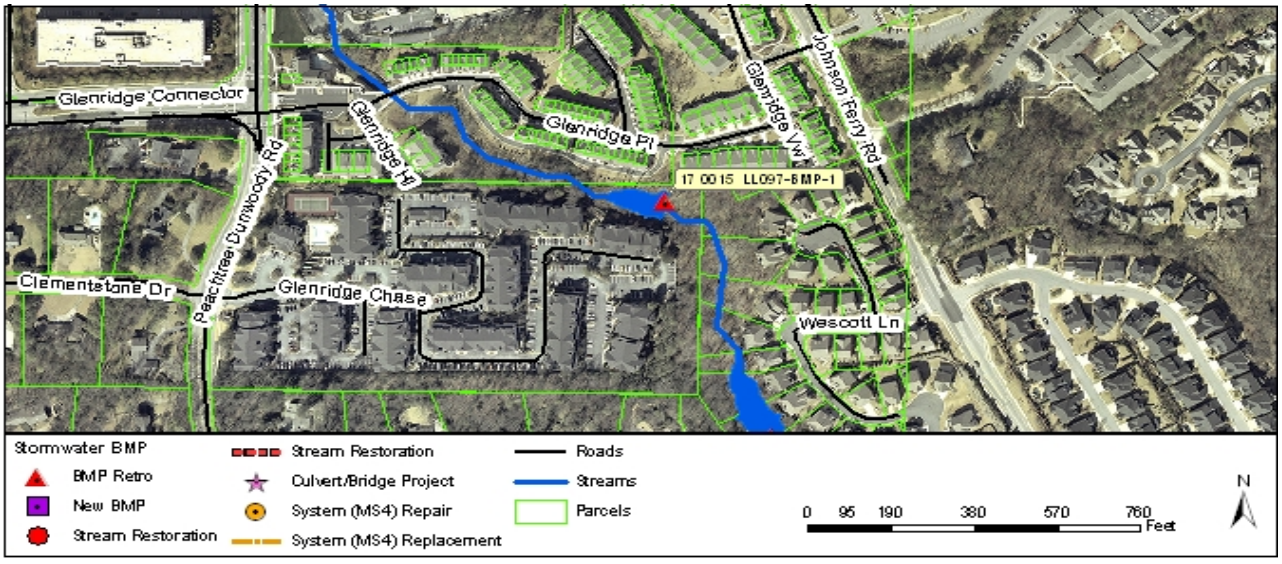

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0015 LL097-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_02110**

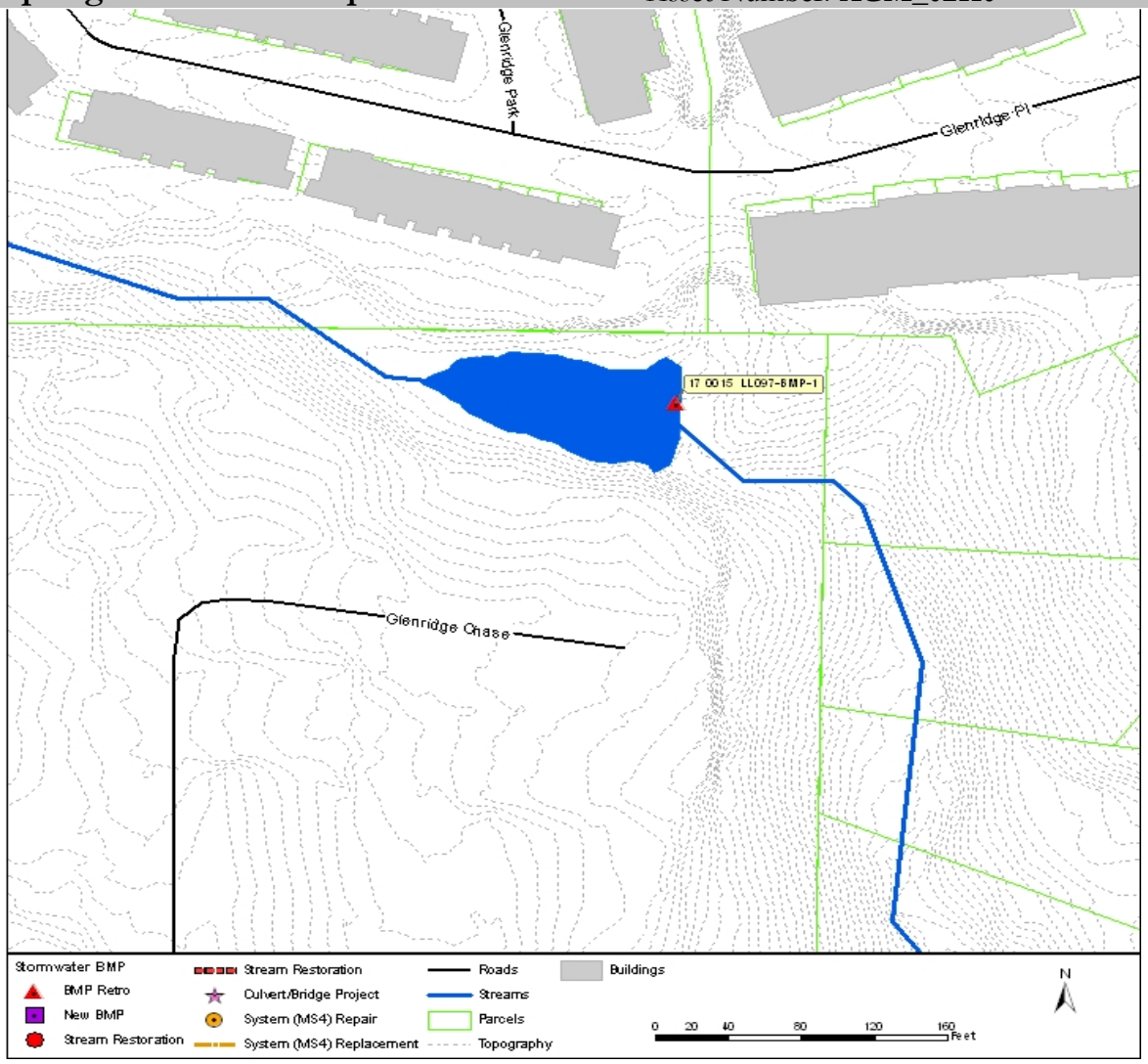

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	1,150	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	43,478	ft^3
Parcel Ownership:	Private		Potential Volume:	86,956	ft^3
Land Use:	Commercial		WQ Volume:	121,363	ft^3
			CP Volume:	394,190	ft^3
			25-Year Volume:	513,072	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:	40.5	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	40	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	31	
Flood Width Over Road:	N/A	ft	Change in Risk:	9	
Structure Type:	N/A		**Benefit/Cost:**	1.51	
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 0015 LL109-BMP-1**
Asset Number: **AGM_02119**

Benefit/Cost:	1.32	Address:	972 Wescott Ln
Estimated Cost:	$807,000	Study Area:	Nancy 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 - 1/8 acre; Woods - Grass Combination area near Wescott Ln. This BMP is online and may therefore present a permitting difficulty. In a micropool extended detention pond, only a small volume of water is maintained at the outlet from the pond. The outlet structure is sized to detain the water quality volume for 24 hours. Temporary storage may also be provided for channel protection and for larger storm events.

Project Goals

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

Project Description & Evaluation Project ID: **17 0015 LL109-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_02119**

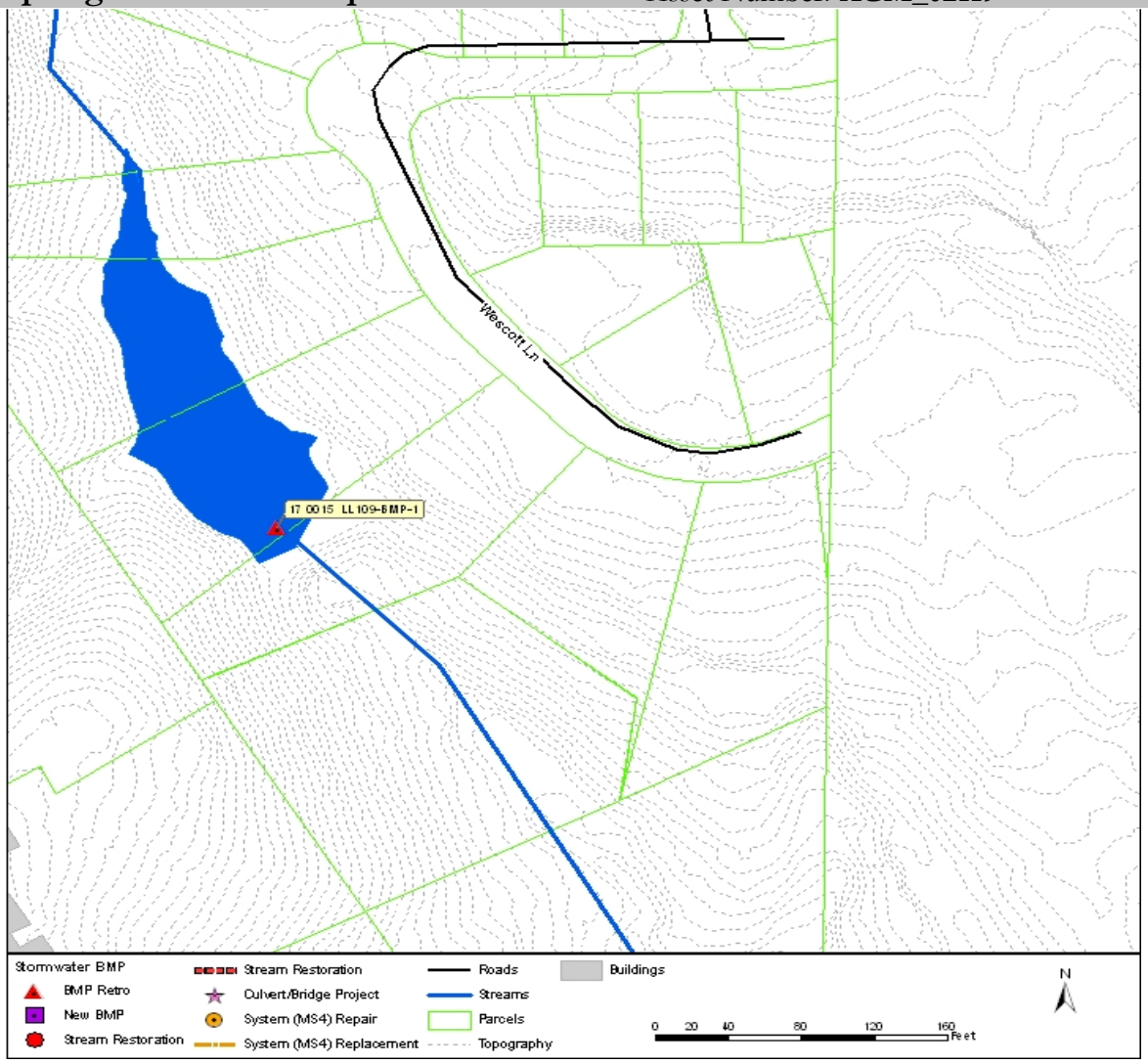

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	1,105	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	47,148	ft^3
Parcel Ownership:	Private		Potential Volume:	94,295	ft^3
Land Use:	Residential - 1/8 acre lot size;		WQ Volume:	180,029	ft^3
	Woods - Grass Combination		CP Volume:	680,838	ft^3
	Fair		25-Year Volume:	875,810	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:	77.0	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	43	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	35	
Flood Width Over Road:	N/A	ft	Change in Risk:	8	
Structure Type:	N/A		**Benefit/Cost:**	1.32	
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 0016 LL167-BMP-1**
Asset Number: **AGM_09262**

Benefit/Cost: 3.71
Estimated Cost: $358,000
Address: 1100 Johnson Ferry Rd
Study Area: Nancy 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 Johnson Ferry Rd. Also, a portion of the BMP footprint is located outside of the City Limits. 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 expanding the BMP's footprint to increase it's capacity.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

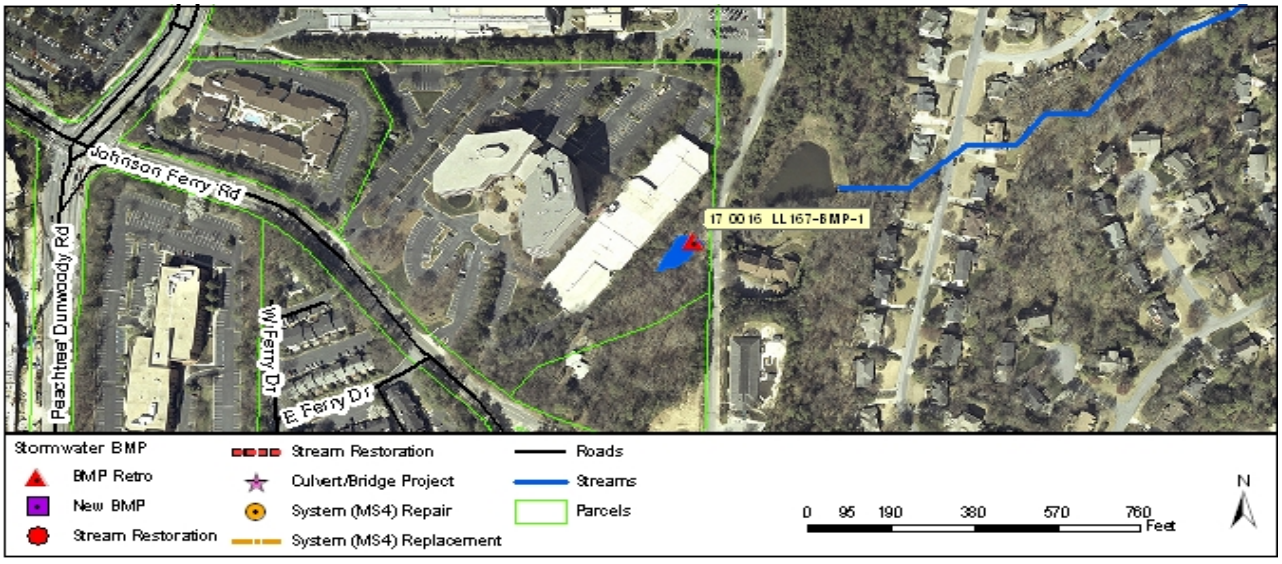

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0016 LL167-BMP-1**
Asset Number: **AGM_09262**

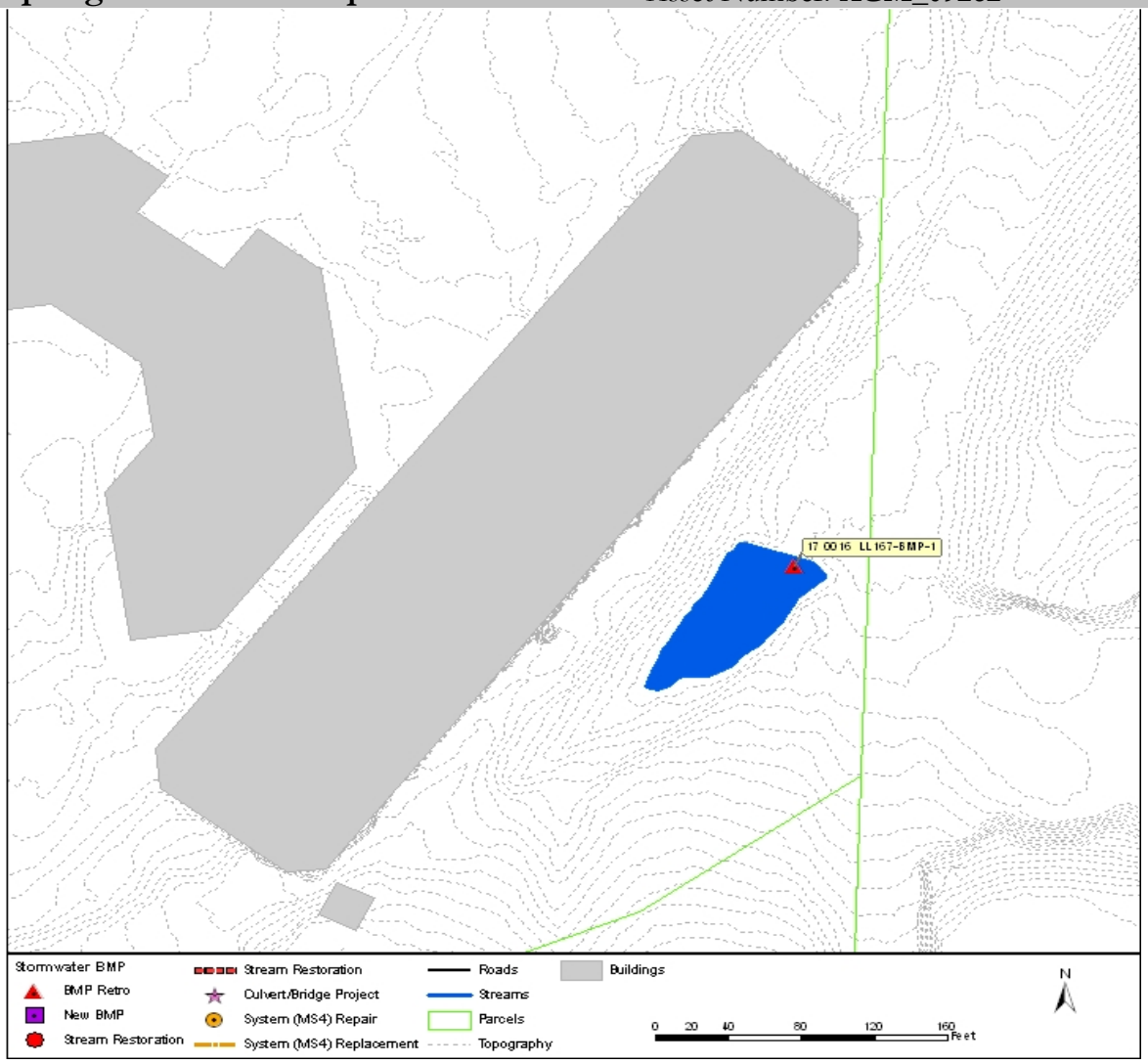

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	430	lb/ac/yr
Asset Ownership:	6: Non SF Res-Attached		Existing Volume:	5,118	ft^3
Parcel Ownership:	Private		Potential Volume:	20,472	ft^3
Land Use:	Woods - Grass Combination		WQ Volume:	20,699	ft^3
	Fair		CP Volume:	94,851	ft^3
			25-Year Volume:	123,084	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:	10.6	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	36	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	22	
Flood Width Over Road:	N/A	ft	Change in Risk:	15	
Structure Type:	N/A		**Benefit/Cost:**	3.71	
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 0016 LL171-BMP-1**
Asset Number: **AGM_04600**

Benefit/Cost:	3.71	Address:	0 Peachtree Dunwoody Rd
Estimated Cost:	$2,857,000	Study Area:	Nancy Creek
		Proposed Project Type:	Shallow Wetland

Project Description

Build a new shallow wetland. The new BMP is located on a Woods area near Peachtree Dunwoody Rd. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as NC-AJ-BMP-5. 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

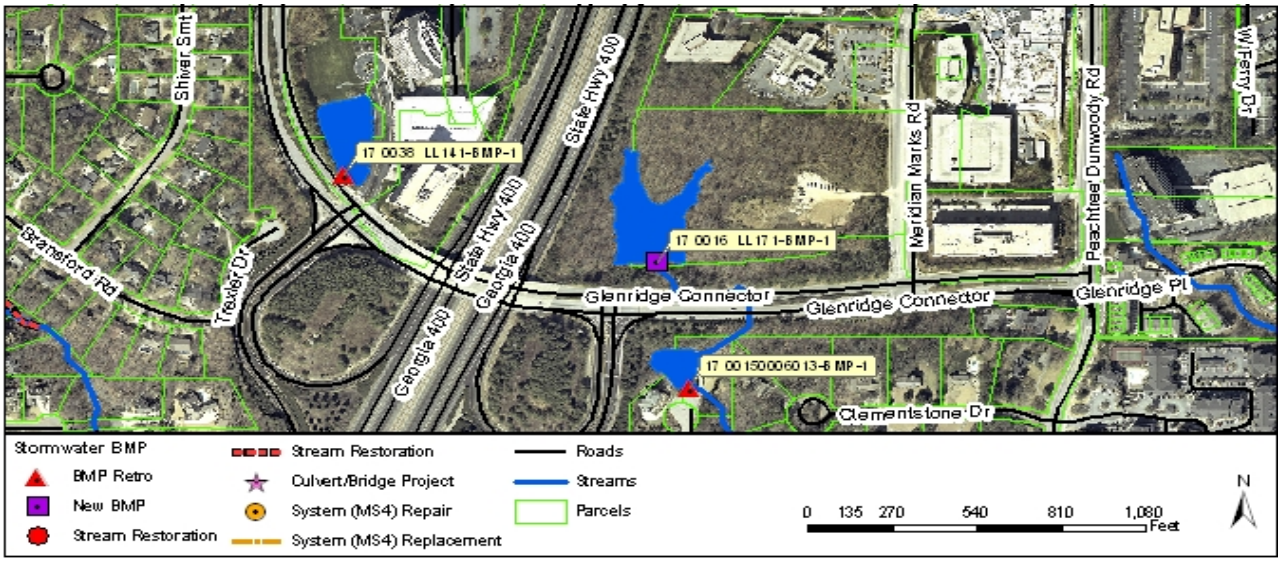

Figure 1 Plan View of Project with Aerial Photography

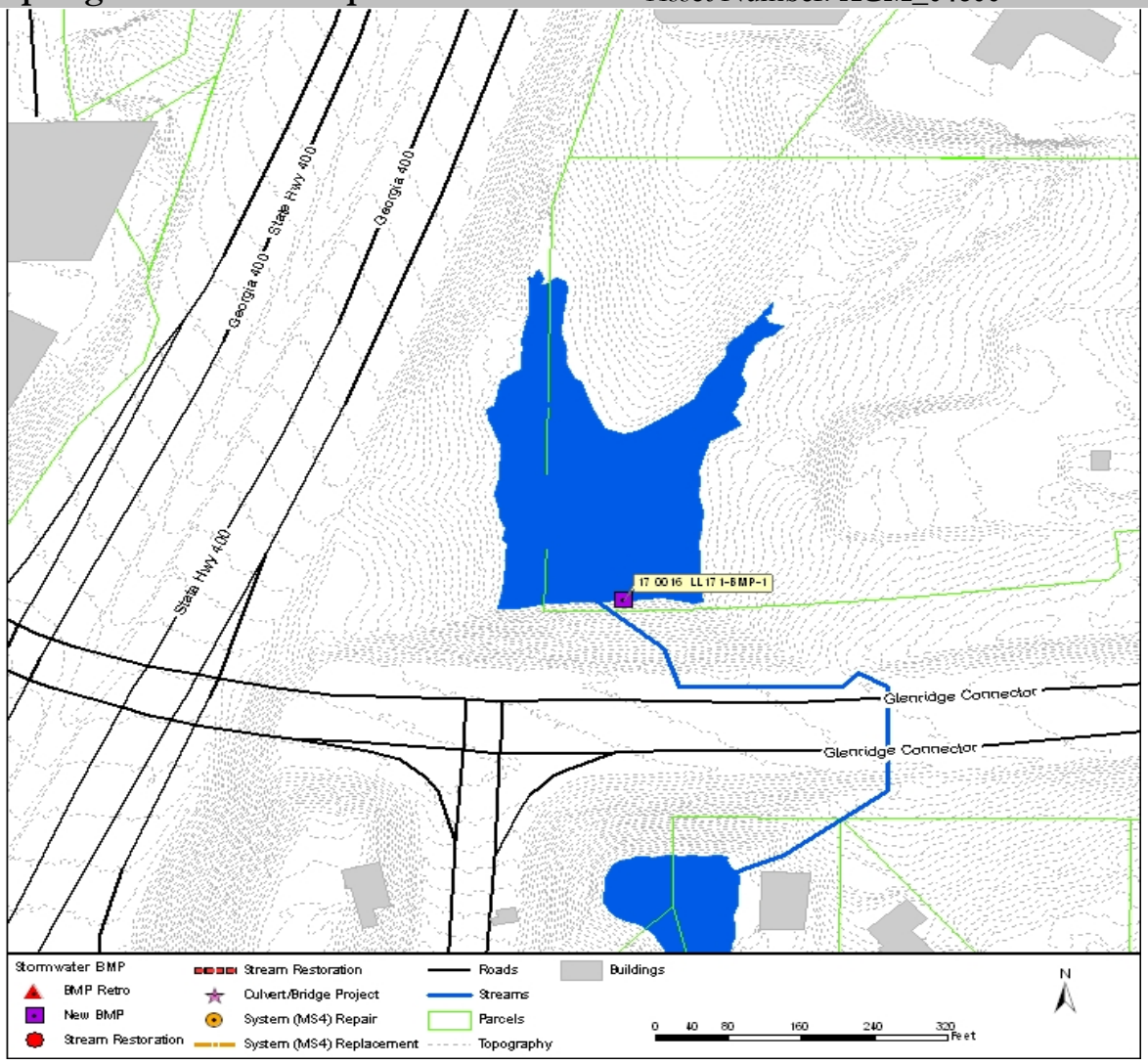

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	614	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	672,309	ft^3
Parcel Ownership:	Private, State		Potential Volume:	672,309	ft^3
Land Use:	Woods		WQ Volume:	116,509	ft^3
			CP Volume:	437,434	ft^3
			25-Year Volume:	568,565	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:	53.1	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	43	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	5	
Flood Width Over Road:	N/A	ft	Change in Risk:	37	
Structure Type:	N/A		**Benefit/Cost:**	3.71	
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 0017 LL084-BMP-1**
Asset Number: **AGM_06023**

Benefit/Cost:	2.39	Address:	5775 Peachtree Dunwoody Rd
Estimated Cost:	$419,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Commercial area near Peachtree Dunwoody Rd. 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

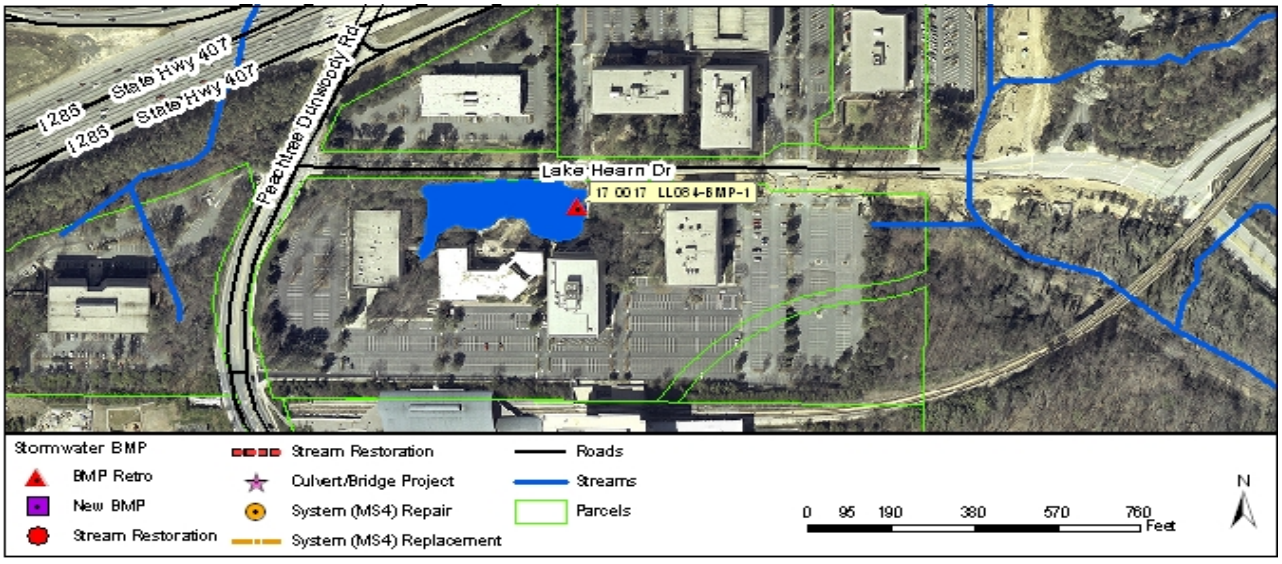

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0017 LL084-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_06023**

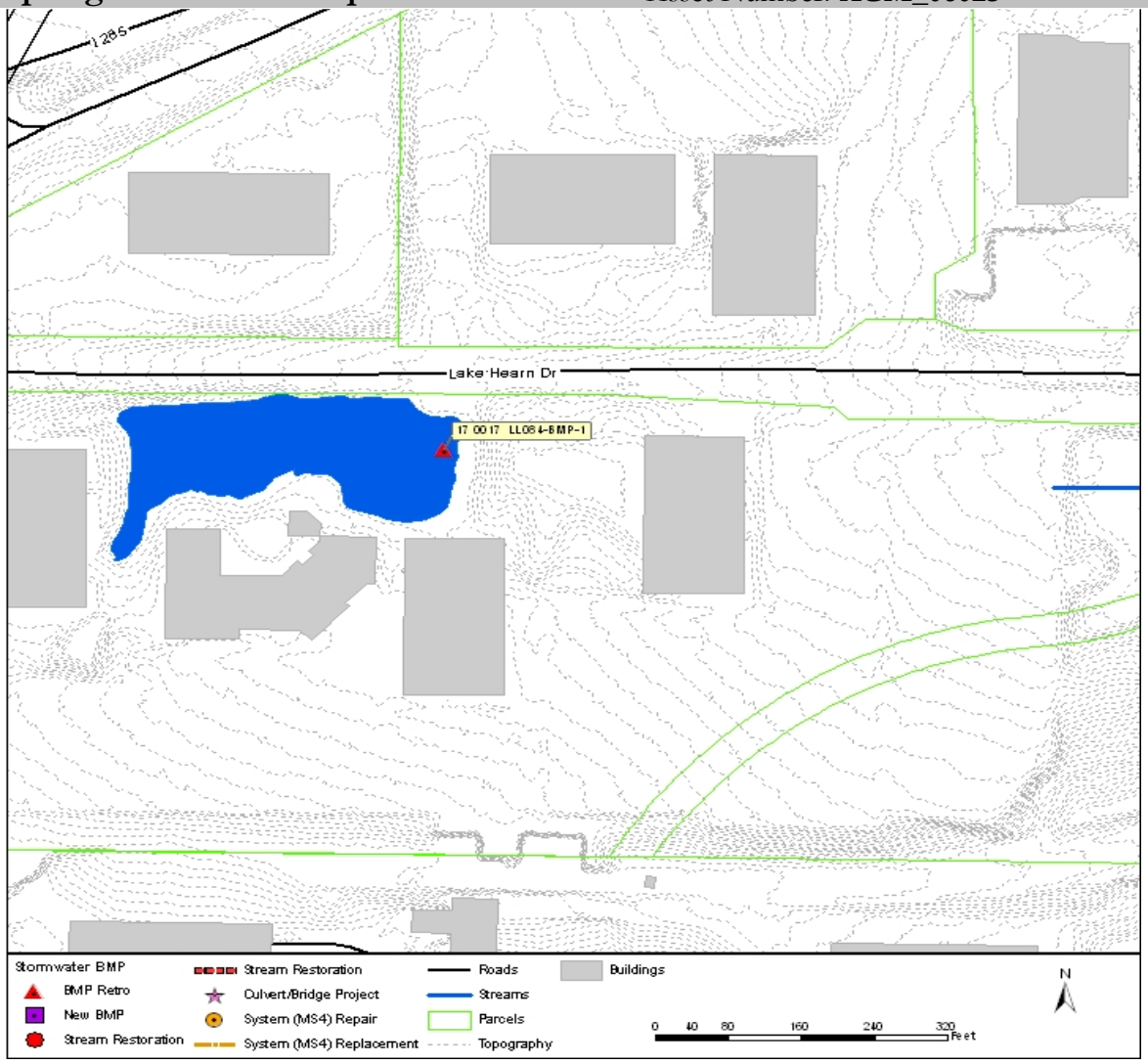

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	198	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	361,410	ft^3
Parcel Ownership:	Private		Potential Volume:	361,410	ft^3
Land Use:	Commercial; Water		WQ Volume:	48,153	ft^3
			CP Volume:	160,261	ft^3
			25-Year Volume:	208,157	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:	15.6	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:	11	
Flood Width Over Road:	N/A	ft	Change in Risk:	10	
Structure Type:	N/A		**Benefit/Cost:**	2.39	
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 0017 LL093-BMP-1**
Asset Number: **AGM_06017**

Benefit/Cost:	3.45	Address:	5901 Peachtree Dunwoody Rd A
Estimated Cost:	$361,000	Study Area:	Nancy 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 Peachtree Dunwoody Rd A. 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

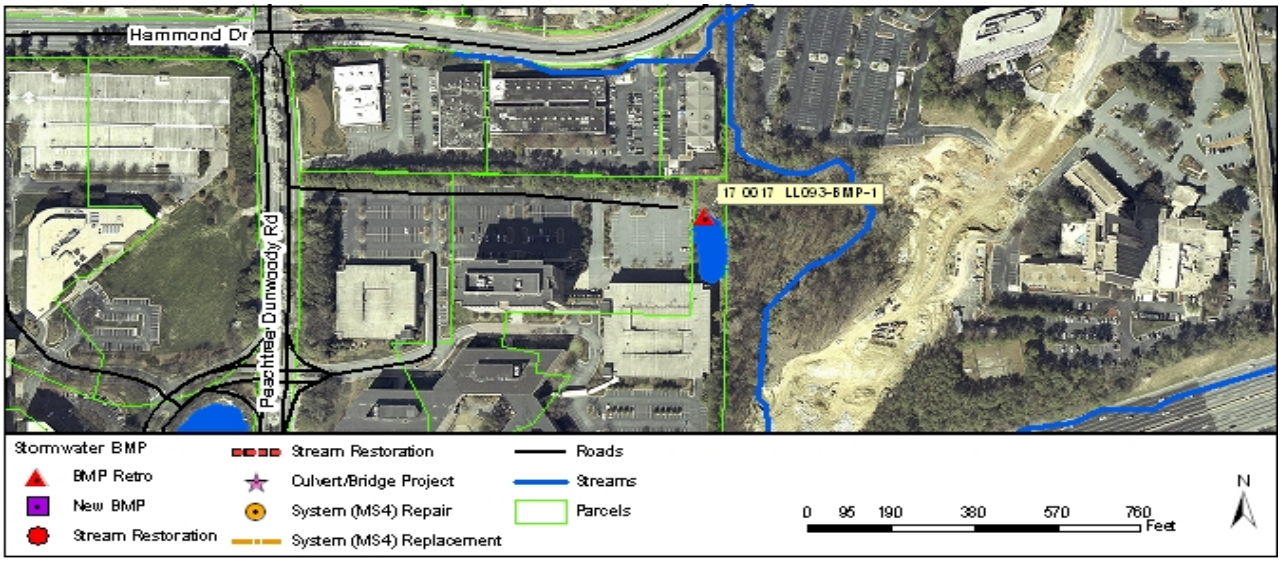

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0017 LL093-BMP-1**
Asset Number: **AGM_06017**

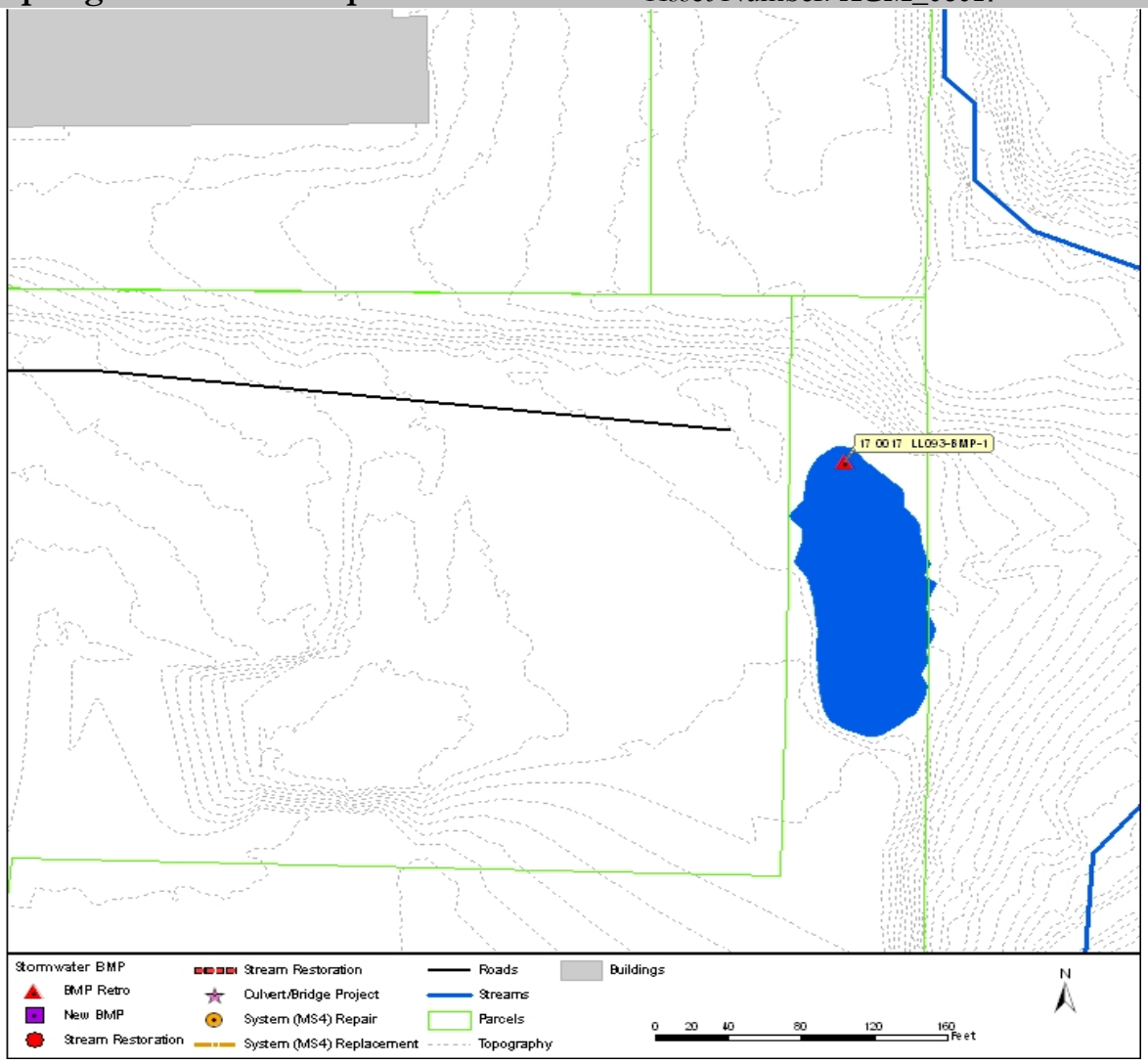

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	525	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	66,377	ft^3
Parcel Ownership:	Private		Potential Volume:	66,377	ft^3
Land Use:	Commercial		WQ Volume:	15,033	ft^3
			CP Volume:	46,303	ft^3
			25-Year Volume:	60,262	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:	4.6	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	26	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	12	
Flood Width Over Road:	N/A	ft	Change in Risk:	14	
Structure Type:	N/A		**Benefit/Cost:**	3.45	
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 0017 LL096-BMP-1**
Asset Number: **AGM_06106**

Benefit/Cost:	0.19	Address:	5901 Peachtree Dunwoody Rd C
Estimated Cost:	$807,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Commercial; Woods - Grass Combination area near Peachtree Dunwoody Rd C. 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.

Photos and Maps

Photo 1

Photo 2

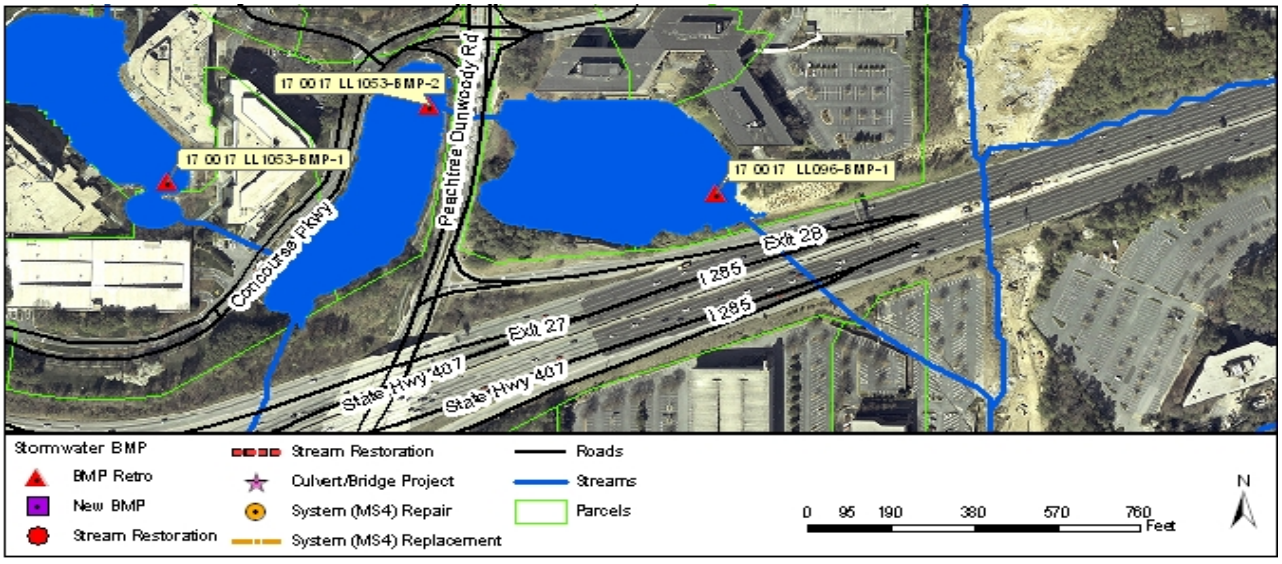

Figure 1 Plan View of Project with Aerial Photography

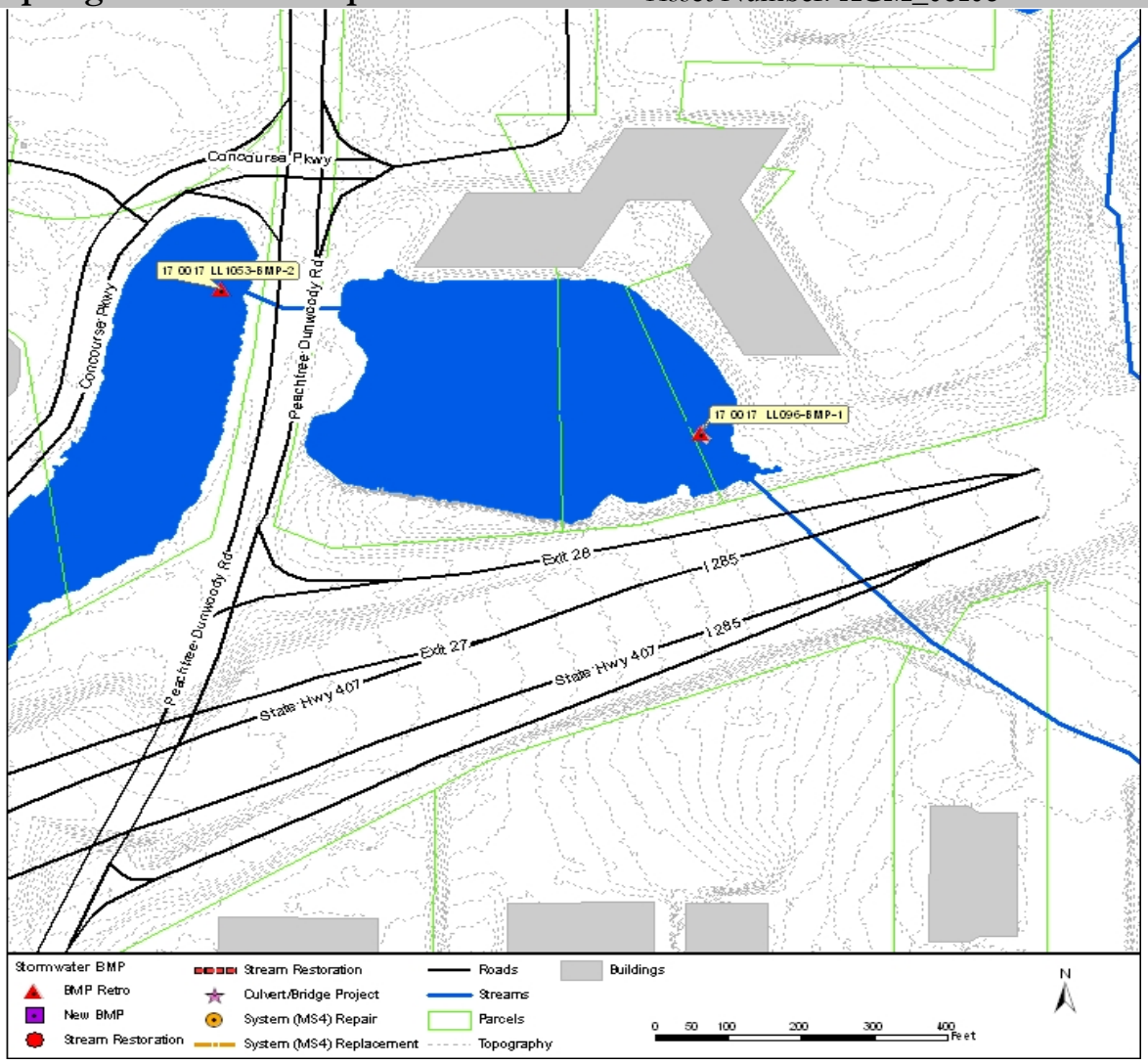

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	173	lb/ac/yr
Asset Ownership:	6: Non SF Res-Attached		Existing Volume:	3,104,223	ft^3
Parcel Ownership:	Private		Potential Volume:	3,104,223	ft^3
Land Use:	Commercial; Water; Woods - Grass Combination Fair		WQ Volume:	1,560,596	ft^3
			CP Volume:	5,362,663	ft^3
			25-Year Volume:	6,828,026	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:	675.0	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:	25	
Flood Width Over Road:	N/A	ft	Change in Risk:	1	
Structure Type:	N/A		**Benefit/Cost:**	0.19	
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 0017 LL1053-BMP-1**

Asset Number: **AGM_05965**

Benefit/Cost:	0.68	Address:	5900 Peachtree Dunwoody Rd
Estimated Cost:	$689,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Commercial area near Peachtree Dunwoody 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 greater water quality benefits by building or significantly redesigning the control structure of the wet pond.

Photos and Maps

Photo 1

Photo 2

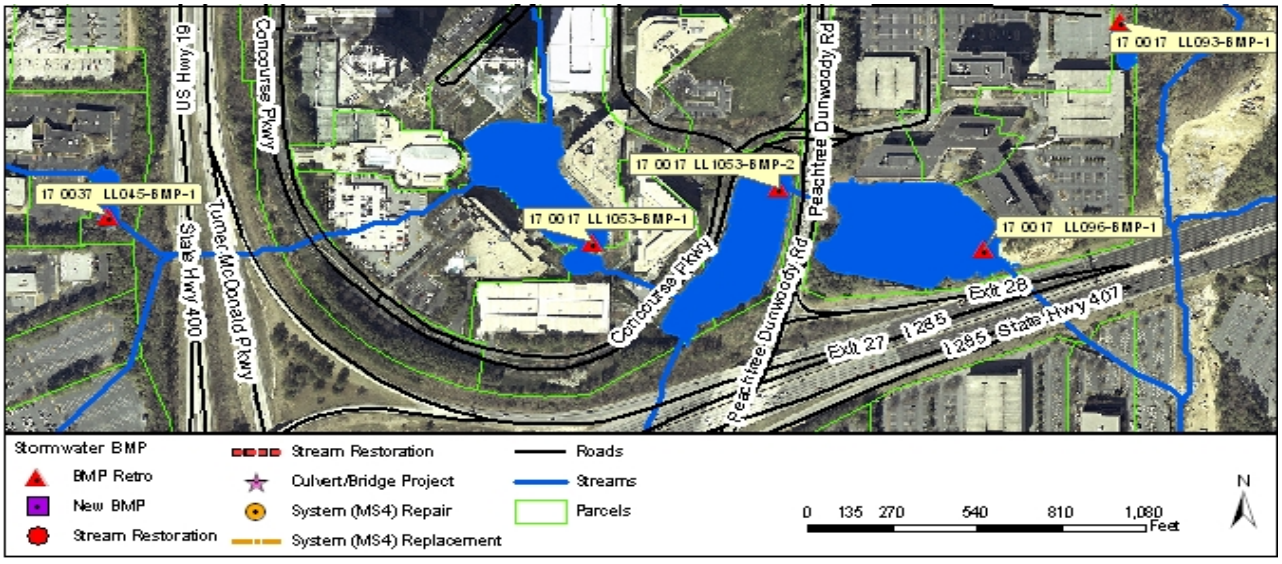

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0017 LL1053-BMP-1**

Sandy Springs Watershed Improvement Plan Asset Number: **AGM_05965**

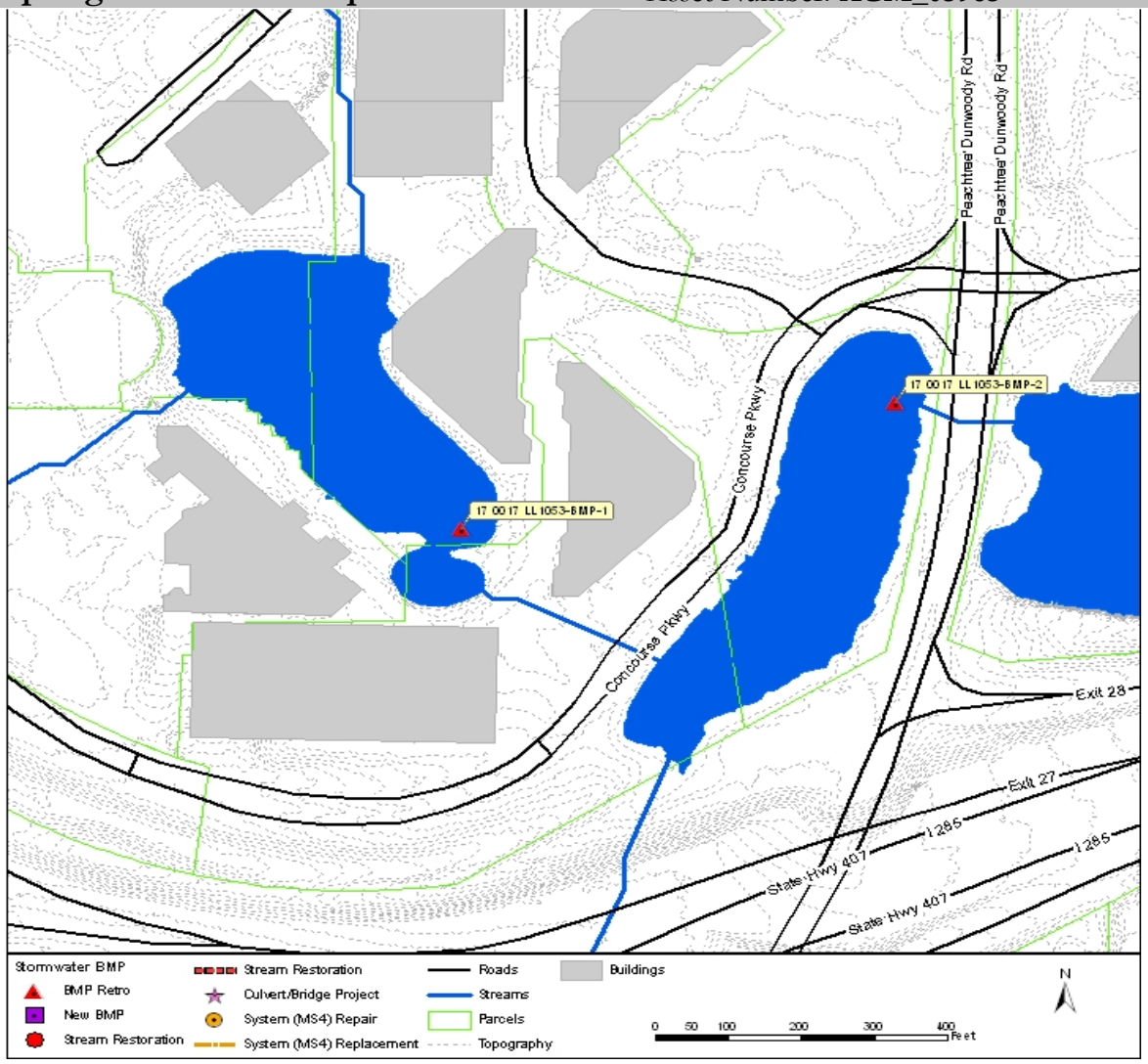

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	302	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	1,276,122	ft^3
Parcel Ownership:	Private		Potential Volume:	1,276,122	ft^3
Land Use:	Commercial; Water		WQ Volume:	1,208,631	ft^3
			CP Volume:	4,162,598	ft^3
			25-Year Volume:	5,267,393	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:	538.5	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	29	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	26	
Flood Width Over Road:	N/A	ft	Change in Risk:	3	
Structure Type:	N/A		**Benefit/Cost:**	0.68	
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 0017 LL1053-BMP-2**
Asset Number: **AGM_05991**

Benefit/Cost:	0.43	Address:	5900 Peachtree Dunwoody Rd
Estimated Cost:	$714,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Open Space; Woods - Grass Combination area near Peachtree Dunwoody Rd. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as NC-AO-BMP-9. 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.

Photos and Maps

Photo 1

Photo 2

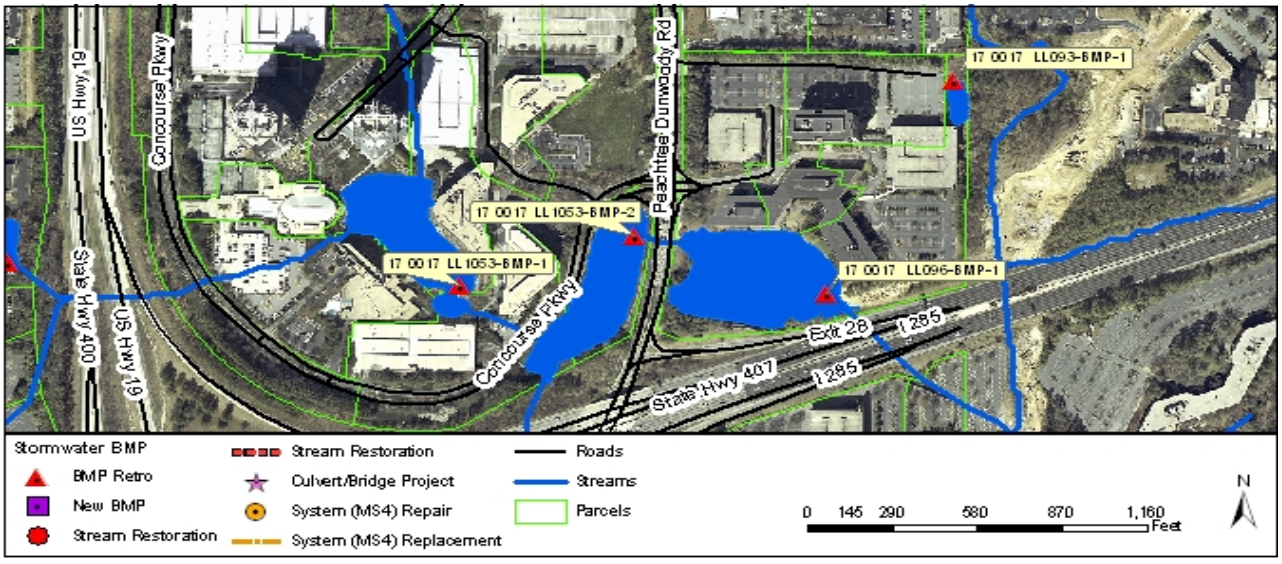

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0017 LL1053-BMP-2**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_05991**

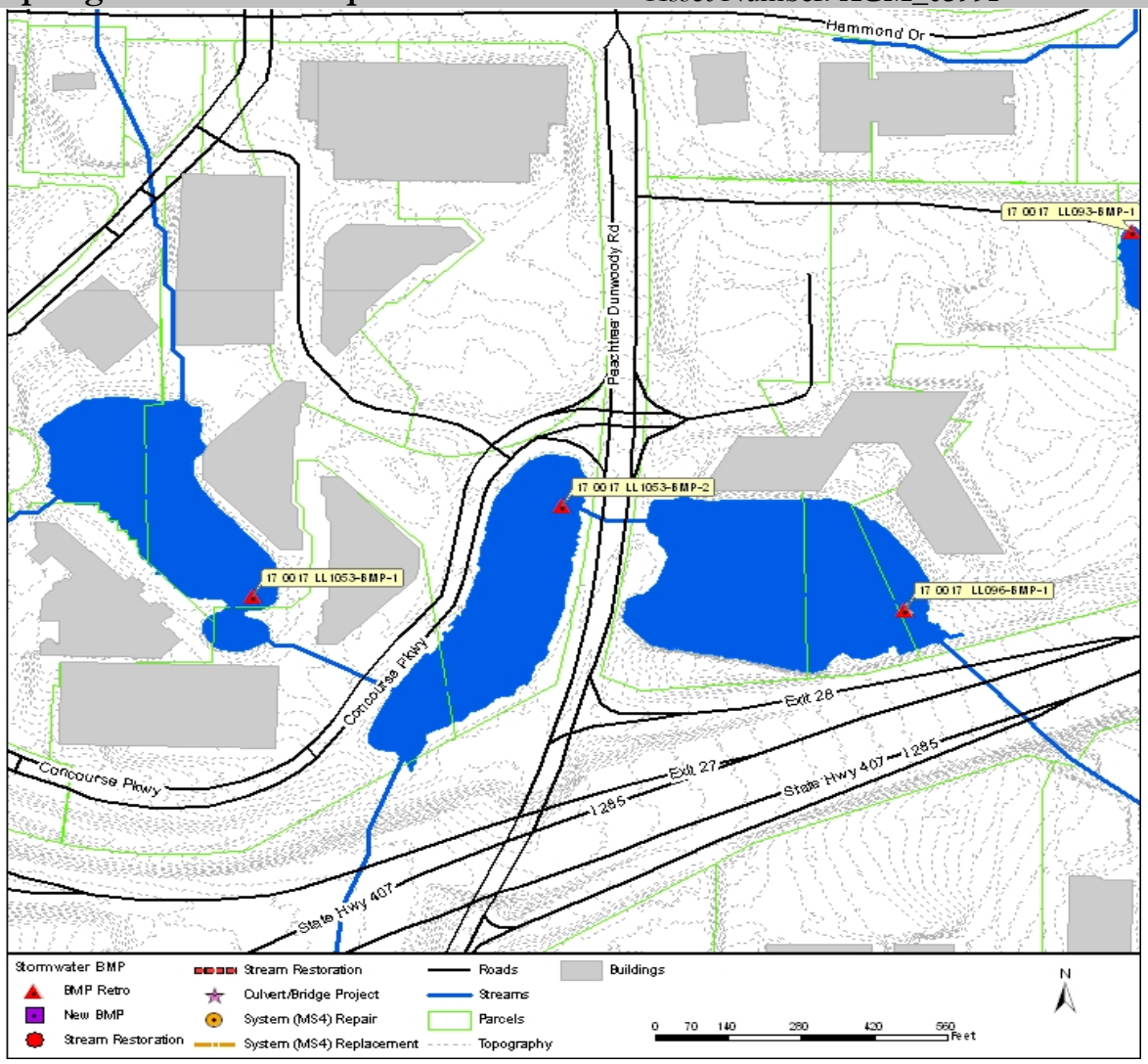

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	287	lb/ac/yr
Asset Ownership:	6: Non SF Res-Attached		Existing Volume:	1,859,484	ft^3
Parcel Ownership:	Private		Potential Volume:	1,859,484	ft^3
Land Use:	Open Space Good; Water;		WQ Volume:	1,510,748	ft^3
	Woods - Grass Combination		CP Volume:	5,180,998	ft^3
	Fair		25-Year Volume:	6,592,921	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:	656.4	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	28	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	25	
Flood Width Over Road:	N/A	ft	Change in Risk:	2	
Structure Type:	N/A		**Benefit/Cost:**	0.43	
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 0018 LL097-BMP-1**

Asset Number: **AGM_05199**

Benefit/Cost:	2.03	Address:	101 Dunwoody Springs Drive
Estimated Cost:	$629,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond Extended Detention

Project Description

Retrofit existing wet pond into a wet extended detention pond. The existing BMP is located on a Woods - Grass Combination area near Hammond Dr. 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 greater water quality benefits by converting it into a wet 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

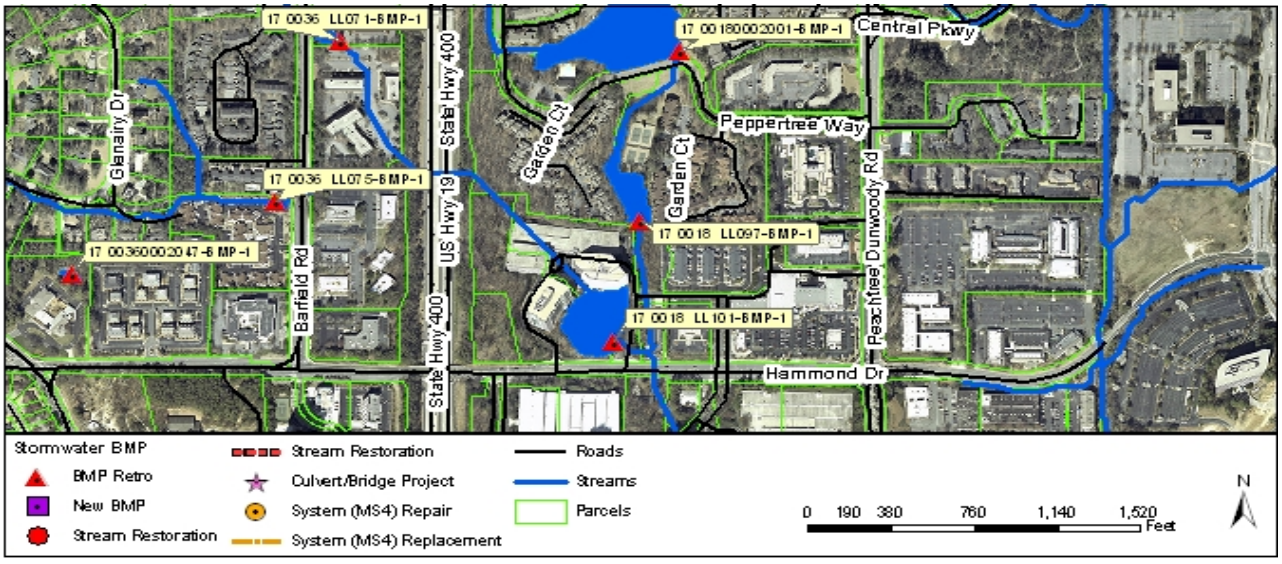

Figure 1 Plan View of Project with Aerial Photography

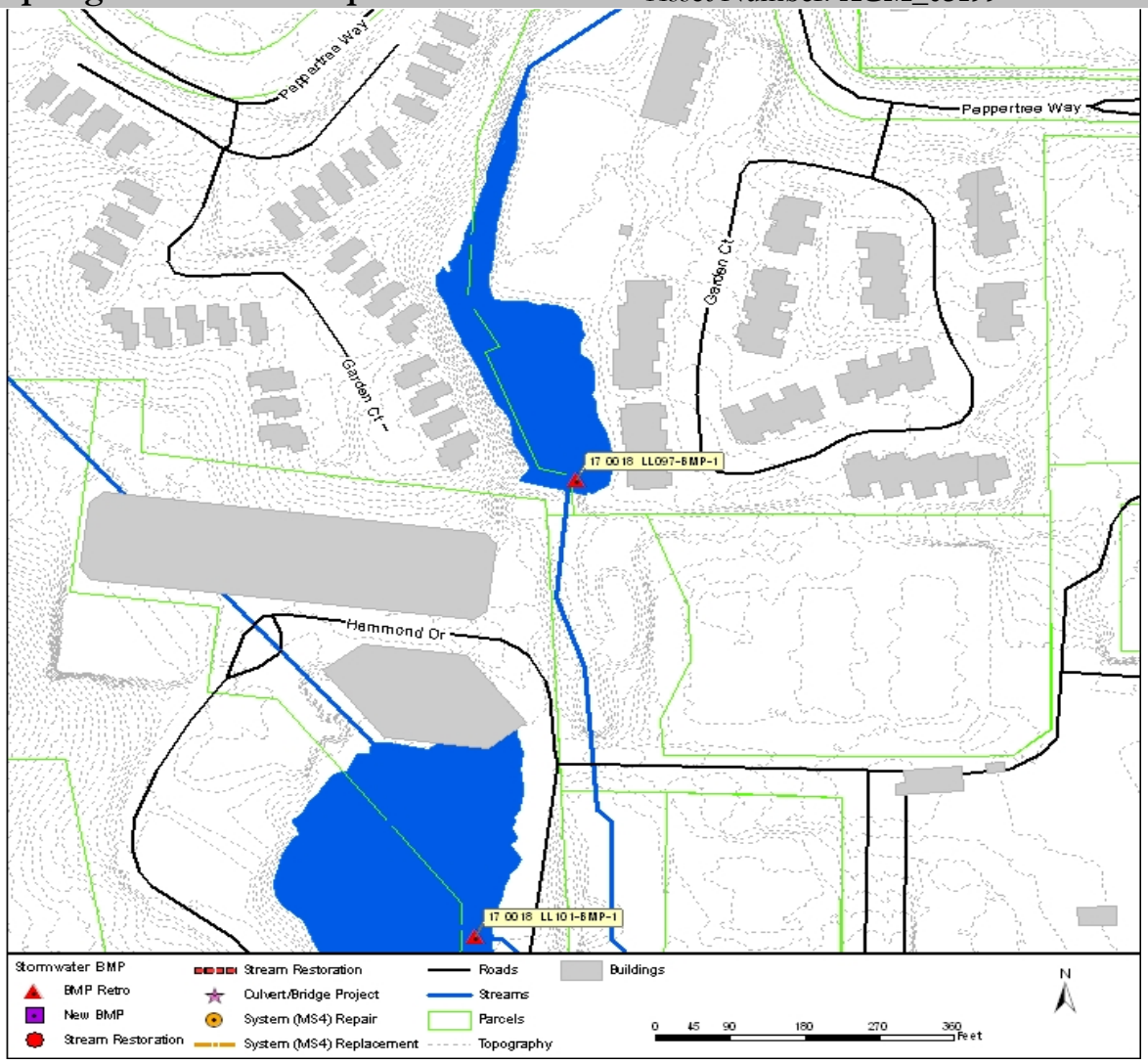

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	676	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	362,290	ft^3
Parcel Ownership:	Private		Potential Volume:	362,290	ft^3
Land Use:	Water; Woods - Grass		WQ Volume:	308,110	ft^3
	Combination Fair		CP Volume:	955,548	ft^3
			25-Year Volume:	1,205,925	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:	122.6	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		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:**	2.03	
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 0018 LL101-BMP-1**
Asset Number: **AGM_05320**

Benefit/Cost:	2.97	Address:	990 Hammond Dr
Estimated Cost:	$513,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

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

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

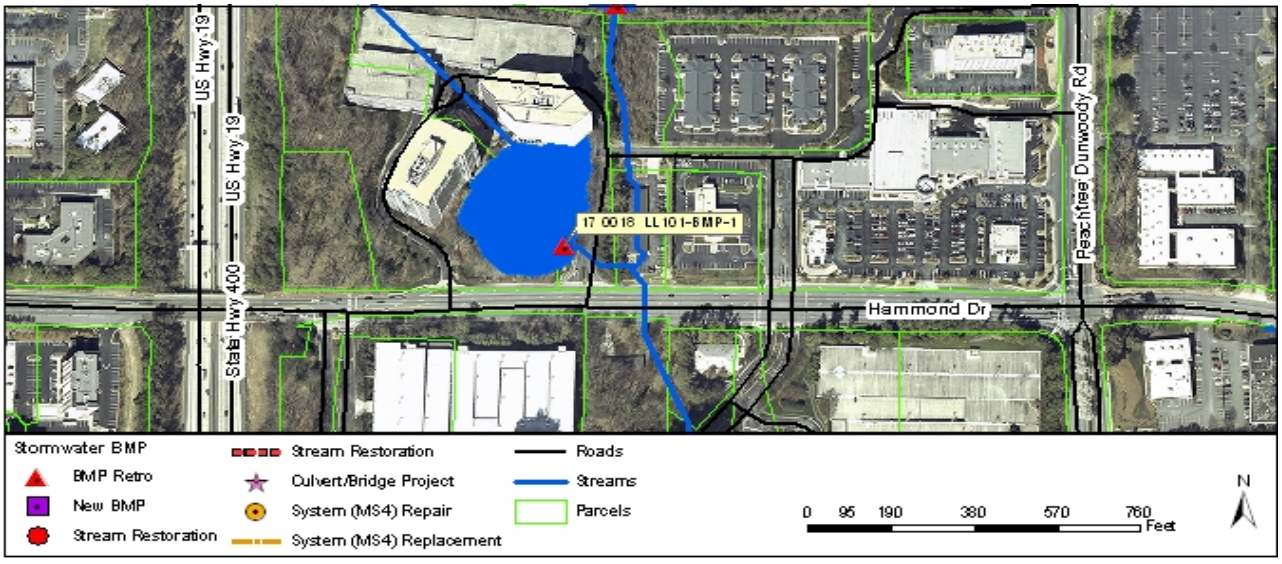

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0018 LL101-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_05320**

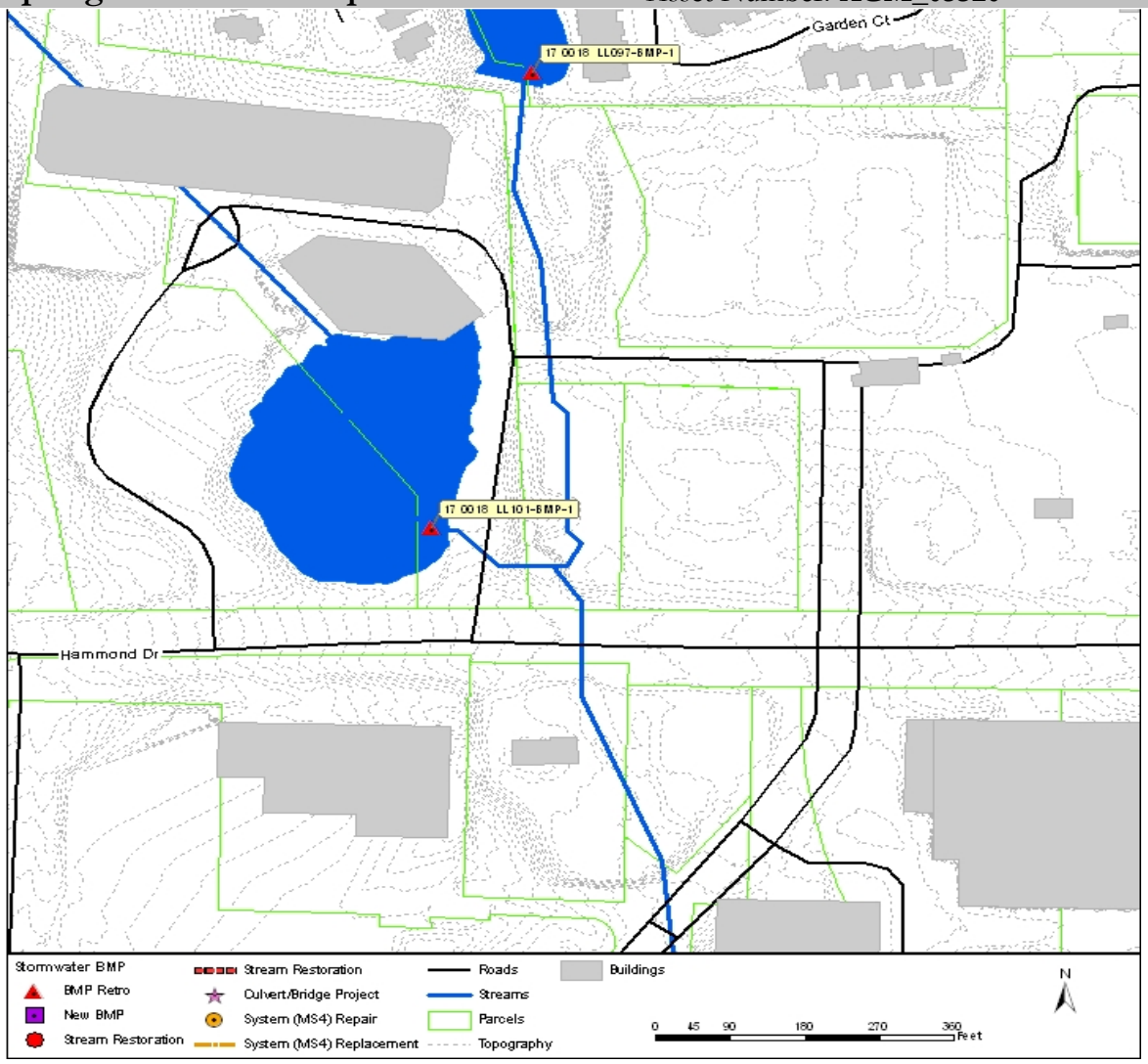

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	379	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	1,004,146	ft^3
Parcel Ownership:	Private		Potential Volume:	1,004,146	ft^3
Land Use:	Commercial; Water		WQ Volume:	379,727	ft^3
			CP Volume:	1,299,678	ft^3
			25-Year Volume:	1,590,030	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:	201.7	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		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:**	2.97	
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 0019 LL121-BMP-1**
Asset Number: **AGM_05826**

Benefit/Cost:	4.93	Address:	1200 Mount Vernon Hwy
Estimated Cost:	$502,000	Study Area:	Nancy 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 Open Space area near Mount Vernon Hwy. 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

No photo available

Photo 2

No photo available

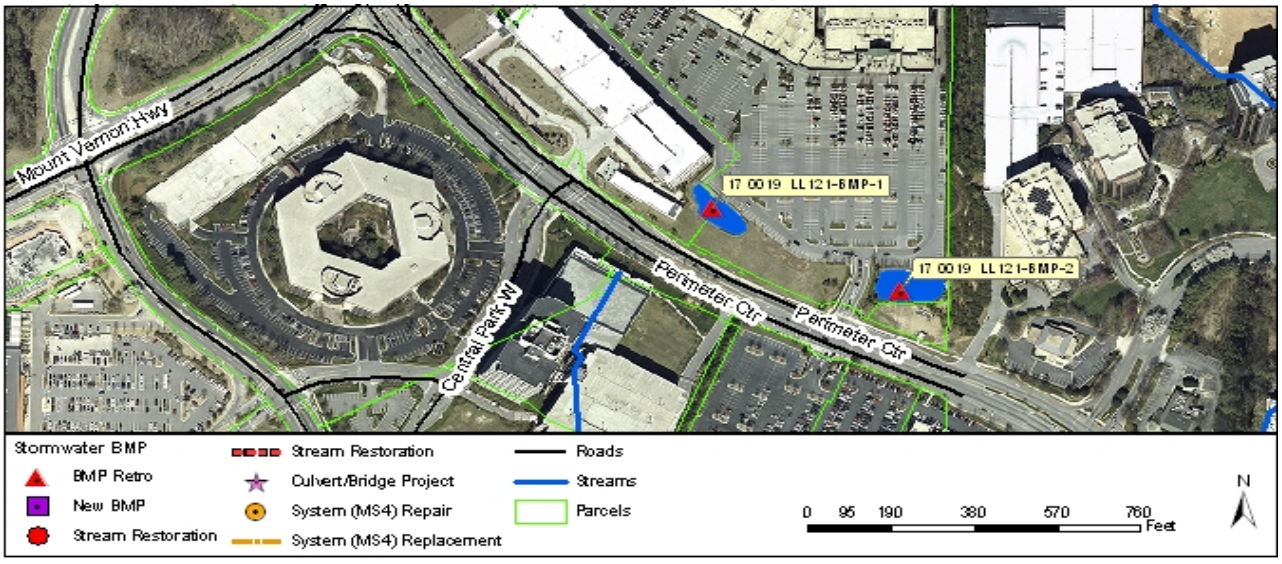

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0019 LL121-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_05826**

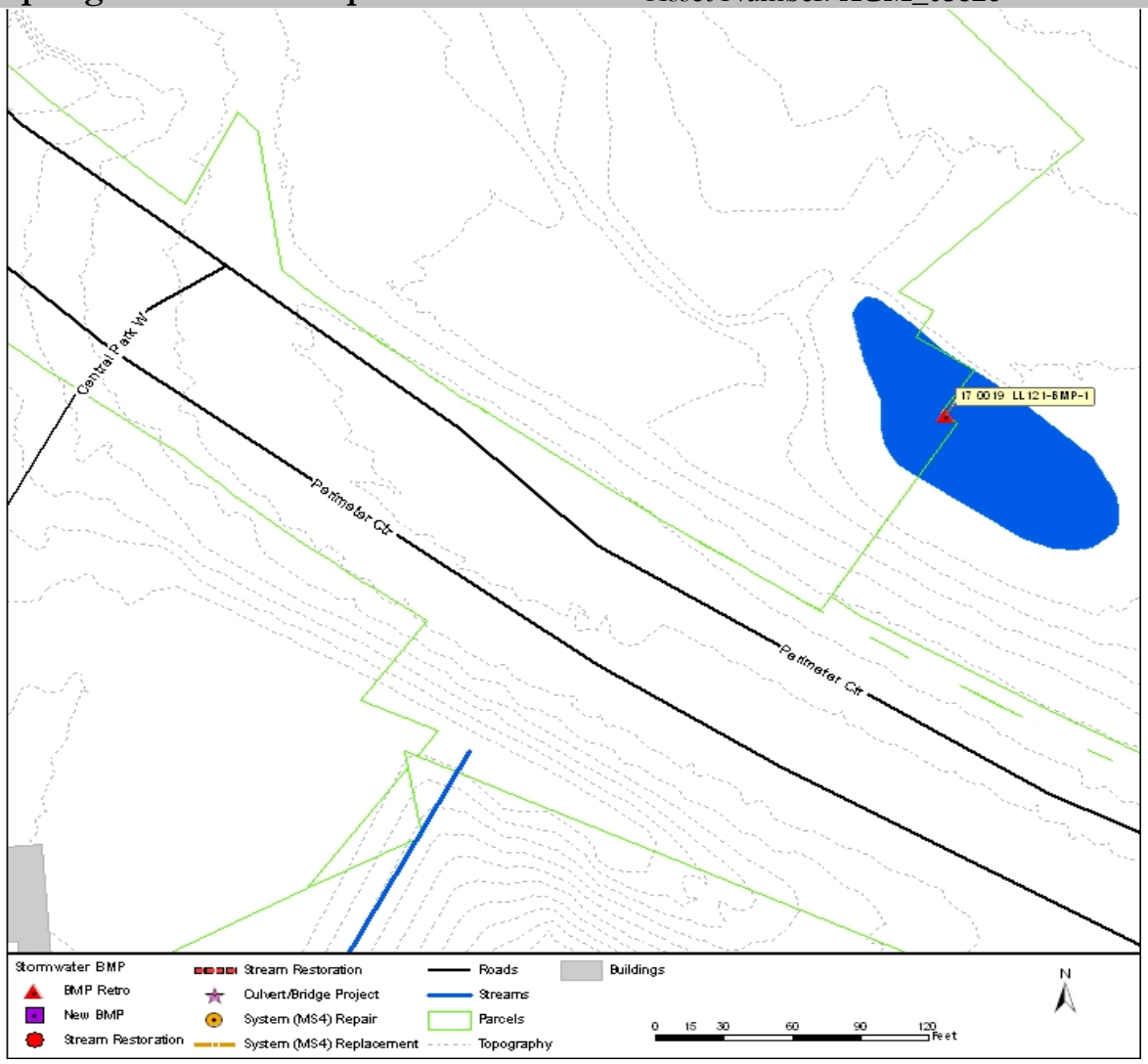

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	481	lb/ac/yr
Asset Ownership:	6: Non SF Res-Attached		Existing Volume:	33,480	ft^3
Parcel Ownership:	Private		Potential Volume:	66,961	ft^3
Land Use:	Open Space Fair		WQ Volume:	58,655	ft^3
			CP Volume:	161,876	ft^3
			25-Year Volume:	211,141	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:	16.6	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	40	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	16	
Flood Width Over Road:	N/A	ft	Change in Risk:	25	
Structure Type:	N/A		**Benefit/Cost:**	4.93	
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 0019 LL121-BMP-2**
Asset Number: **AGM_05833**

Benefit/Cost:	3.34	Address:	1200 Mount Vernon Hwy
Estimated Cost:	$253,000	Study Area:	Nancy 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 Open Space area near Mount Vernon Hwy. 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.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

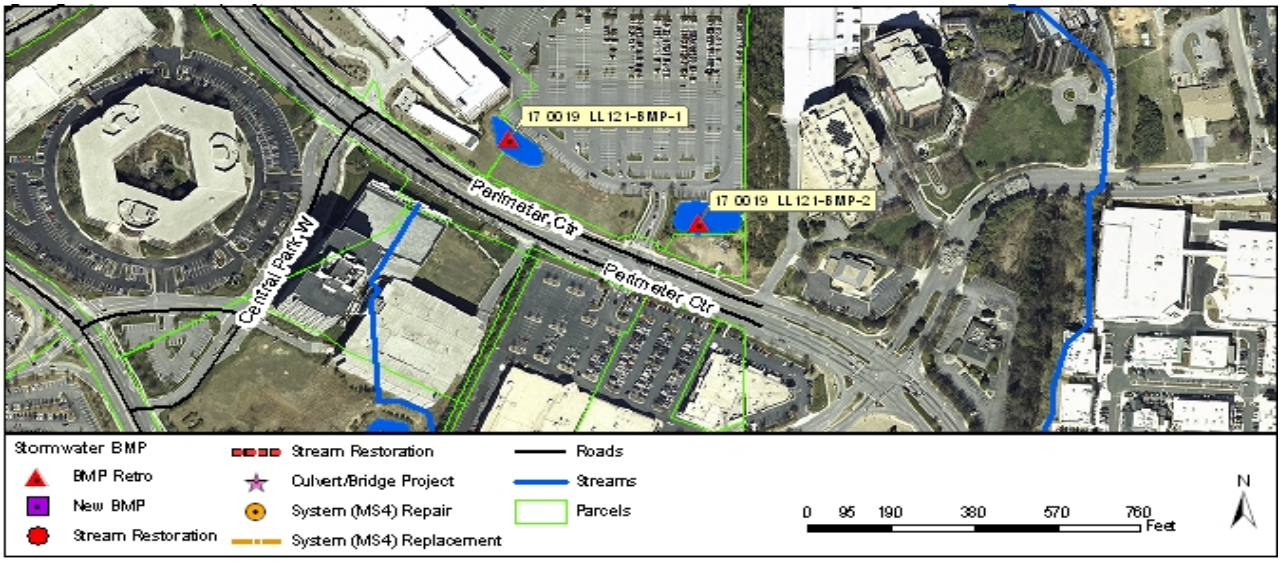

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0019 LL121-BMP-2**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_05833**

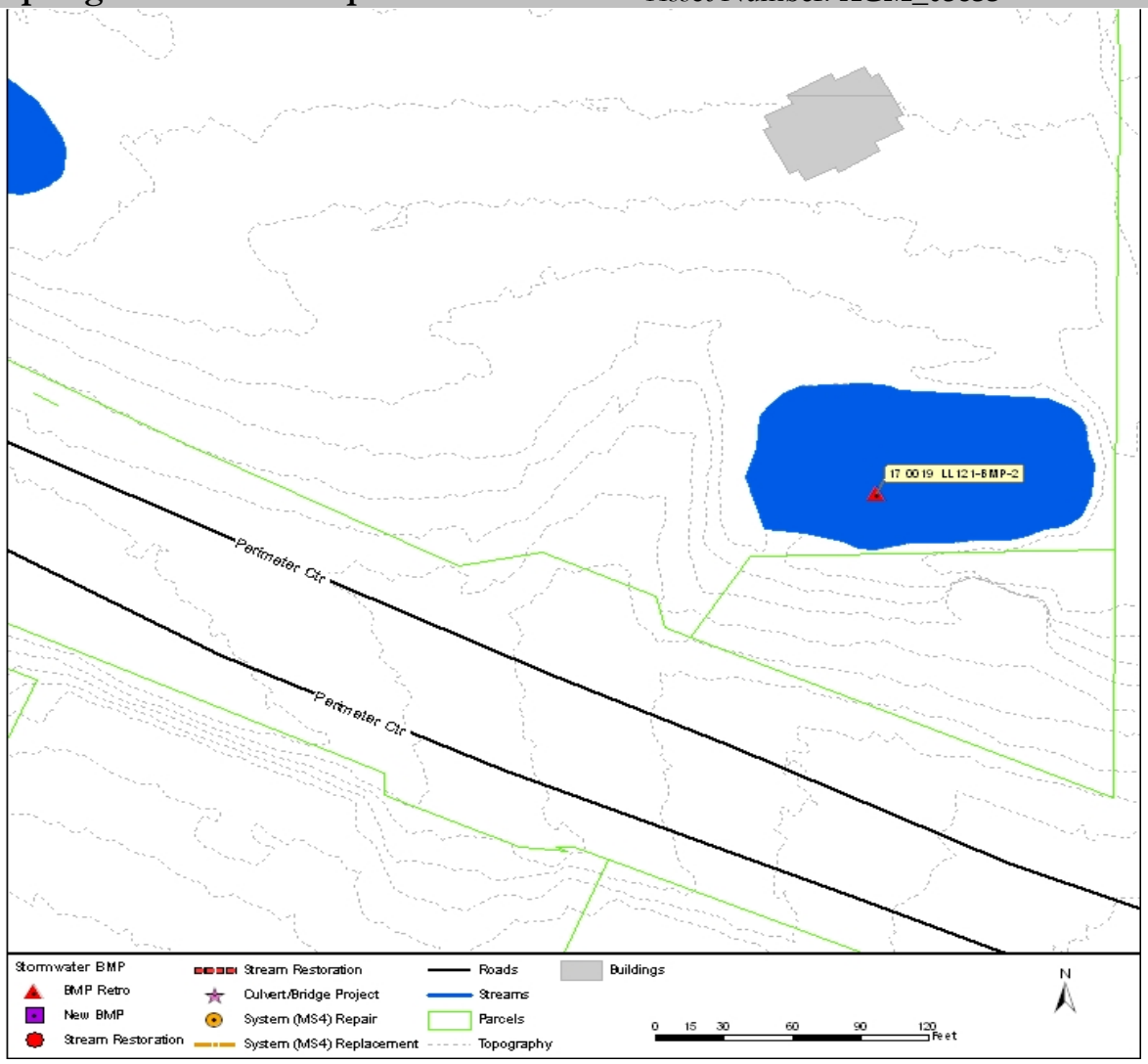

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5	
Asset Ownership:	6: Non SF Res-Attached	
Parcel Ownership:	Private	
Land Use:	Open Space Fair	
TMDL Stream(FecalColiform):	Y	
TMDL Stream (Biota):	Y	
Drainage Area:	4.7	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:	429	lb/ac/yr
Existing Volume:	61,000	ft^3
Potential Volume:	61,000	ft^3
WQ Volume:	12,699	ft^3
CP Volume:	42,886	ft^3
25-Year Volume:	56,193	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:	23	
Proposed Risk:	9	
Change in Risk:	13	
Benefit/Cost:	3.34	

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0019 LL130-BMP-1**
Asset Number: **AGM_05717**

Benefit/Cost:	3.43	Address:	6350 Peachtree Dunwoody Rd
Estimated Cost:	$332,000	Study Area:	Nancy 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 Woods - Grass Combination area near Peachtree Dunwoody Rd. 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

No photo available

Photo 2

No photo available

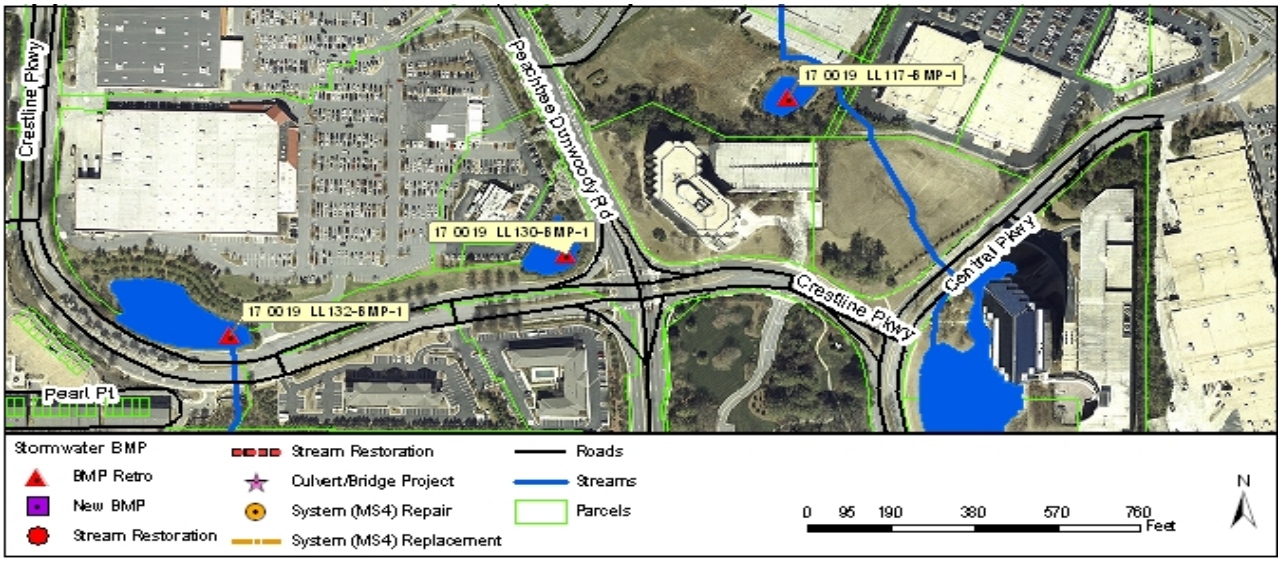

Figure 1 Plan View of Project with Aerial Photography

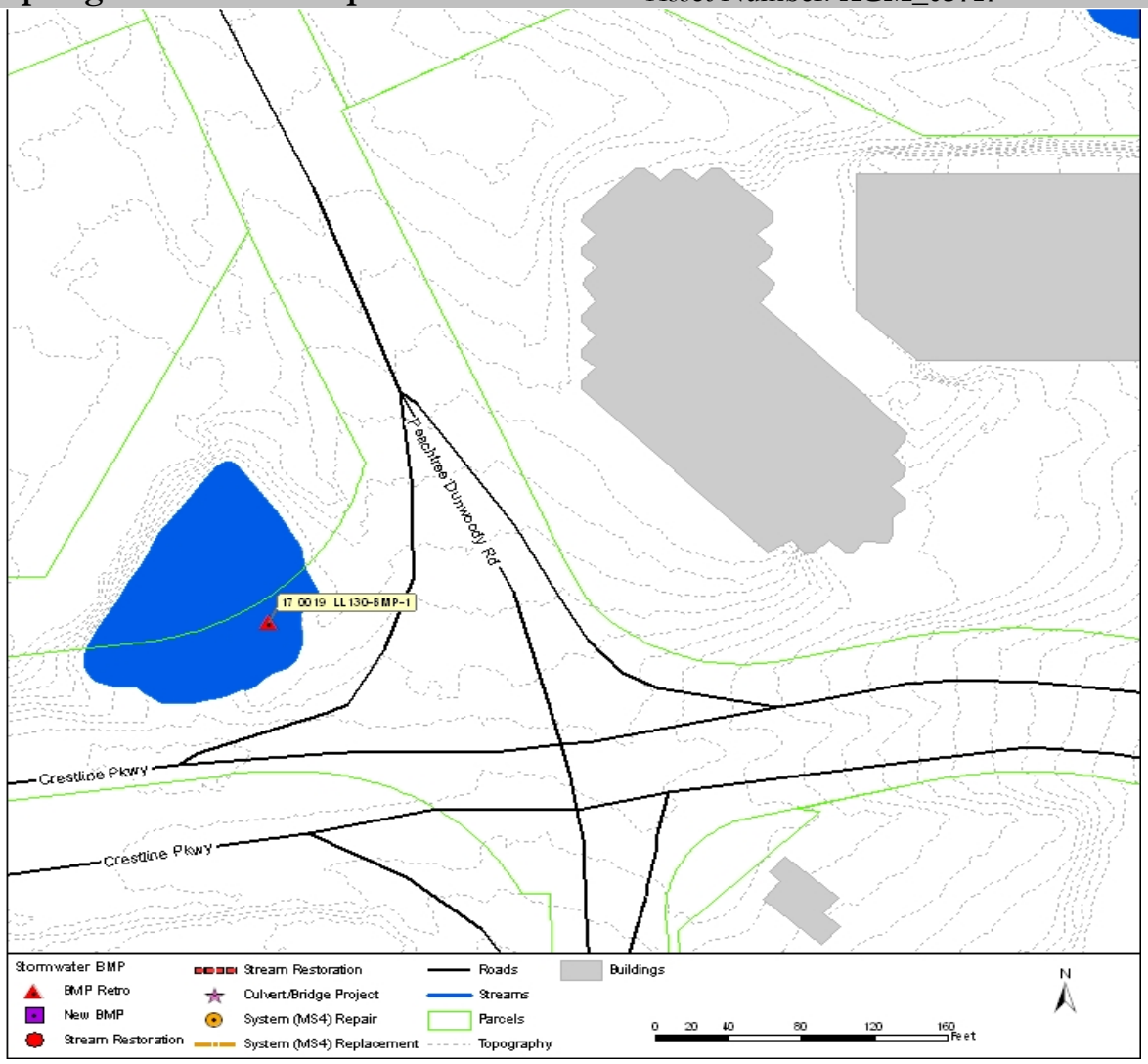

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	466	lb/ac/yr
Asset Ownership:	6: Non SF Res-Attached		Existing Volume:	45,444	ft^3
Parcel Ownership:	City, Private		Potential Volume:	45,444	ft^3
Land Use:	Woods - Grass Combination		WQ Volume:	14,174	ft^3
	Fair		CP Volume:	37,352	ft^3
			25-Year Volume:	48,498	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:	3.9	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	26	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	12	
Flood Width Over Road:	N/A	ft	Change in Risk:	14	
Structure Type:	N/A		**Benefit/Cost:**	3.43	
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 0019 LL132-BMP-1**
Asset Number: **AGM_05731**

Benefit/Cost:	5.75	Address:	0 Peachtree Dunwoody Rd
Estimated Cost:	$725,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond Extended Detention

Project Description

Retrofit existing wet pond into a wet extended detention pond. The existing BMP is located on a Woods - Grass Combination area near Peachtree Dunwoody Rd. 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 into a wet extended detention pond and redesigning the control structure. 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

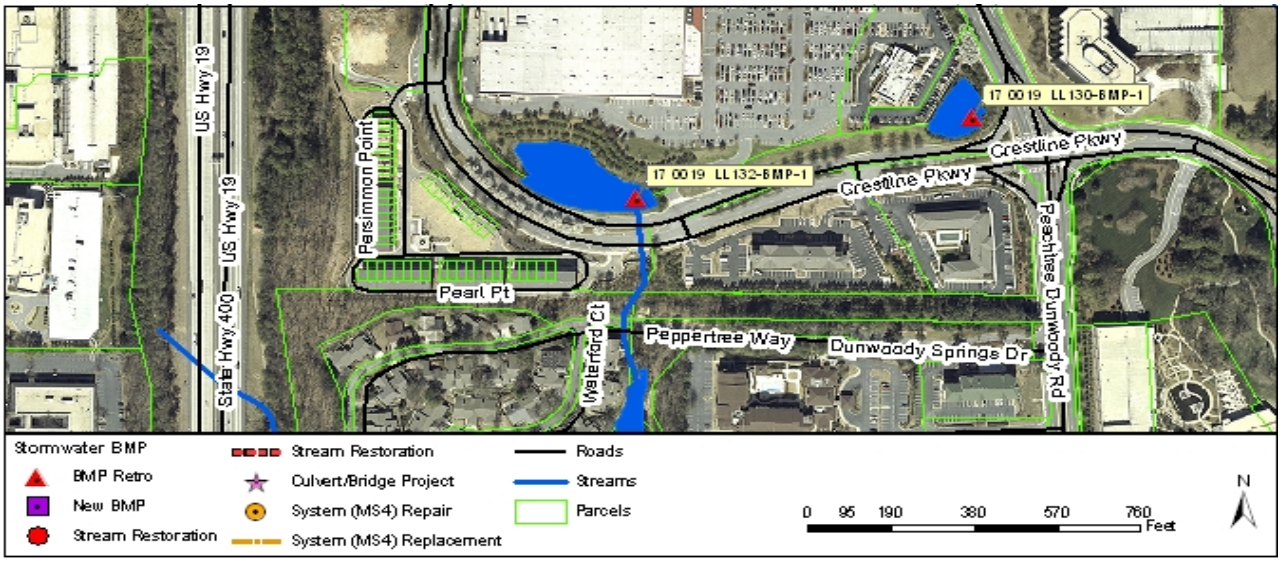

Figure 1 Plan View of Project with Aerial Photography

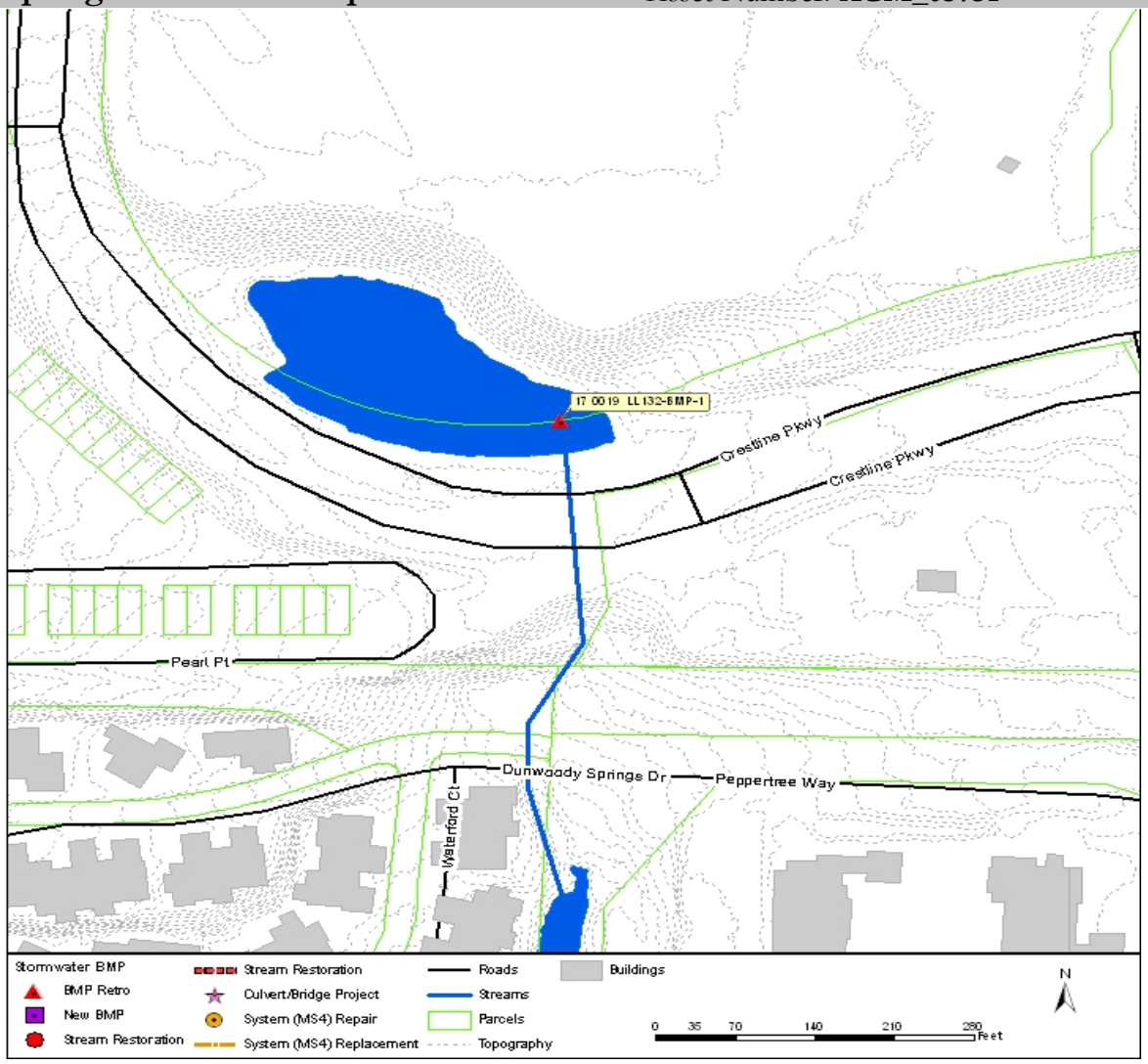

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	406	lb/ac/yr
Asset Ownership:	6: Non SF Res-Attached		Existing Volume:	269,654	ft^3
Parcel Ownership:	City, Private		Potential Volume:	297,021	ft^3
Land Use:	Water; Woods - Grass Combination Fair		WQ Volume:	111,804	ft^3
			CP Volume:	316,067	ft^3
			25-Year Volume:	410,546	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:	34.1	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	45	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	16	
Flood Width Over Road:	N/A	ft	Change in Risk:	29	
Structure Type:	N/A		**Benefit/Cost:**	5.75	
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 0036 LL071-BMP-1**
Asset Number: **AGM_04159**

Benefit/Cost:	1.34	Address:	6195 Barfield Rd
Estimated Cost:	$300,000	Study Area:	Nancy 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 Barfield Rd. 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 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.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

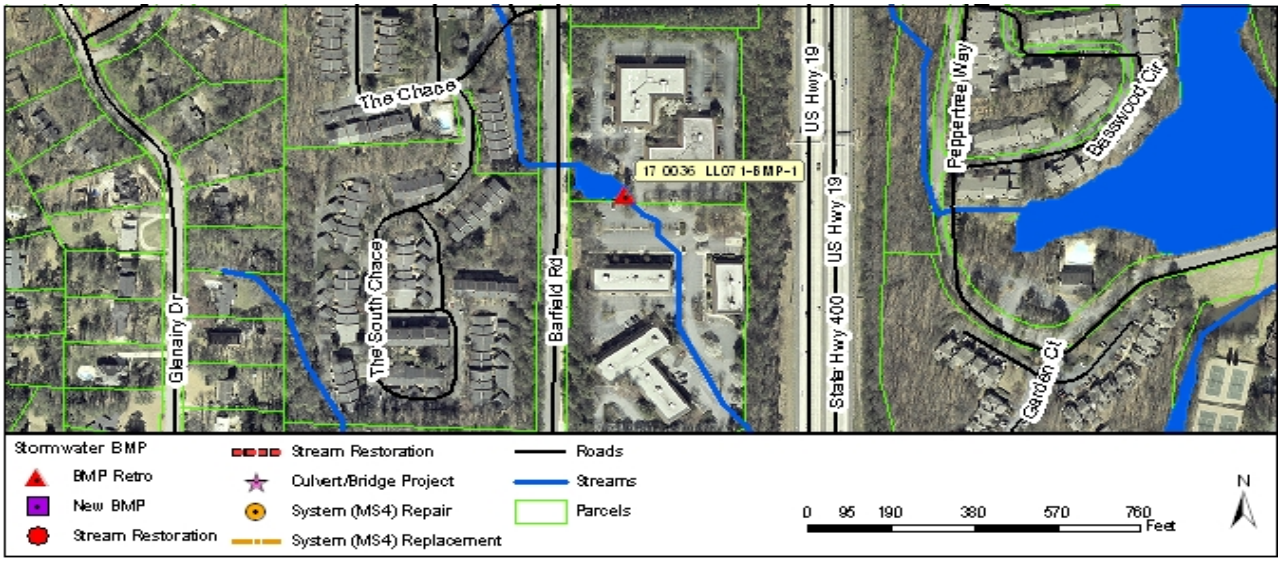

Figure 1 Plan View of Project with Aerial Photography

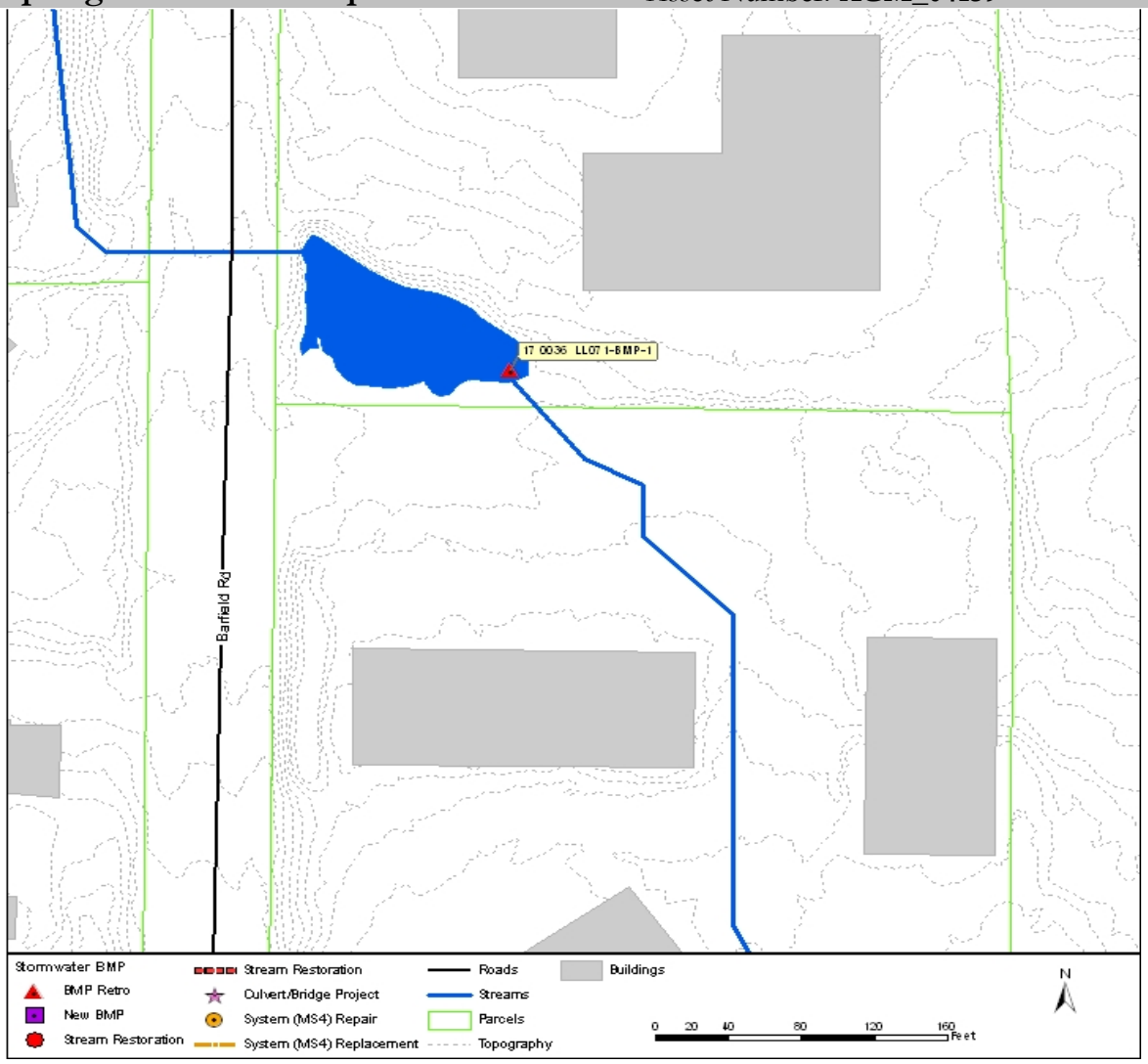

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	878	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	17,034	ft^3
Parcel Ownership:	Private		Potential Volume:	21,292	ft^3
Land Use:	Commercial		WQ Volume:	107,753	ft^3
			CP Volume:	380,404	ft^3
			25-Year Volume:	481,596	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:	52.9	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:	34	
Flood Width Over Road:	N/A	ft	Change in Risk:	5	
Structure Type:	N/A		**Benefit/Cost:**	1.34	
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 0037 LL045-BMP-1**
Asset Number: **AGM_08860**

Benefit/Cost:	4.55	Address:	5881 Glenridge Dr
Estimated Cost:	$938,000	Study Area:	Nancy 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; Woods - Grass Combination area near Glenridge Dr. 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 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

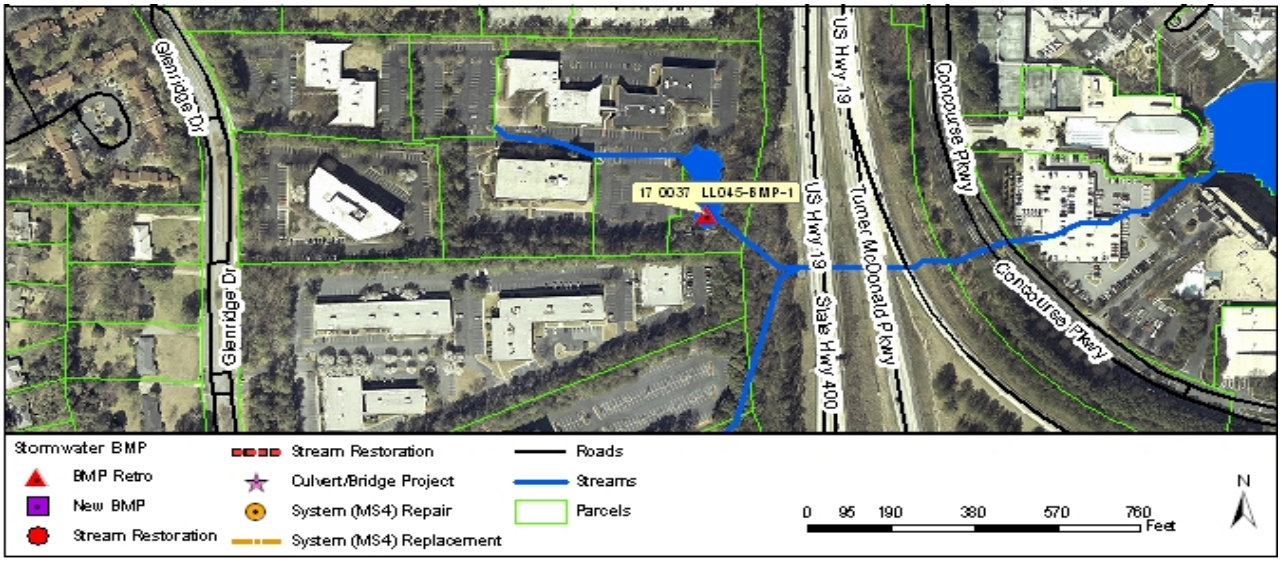

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0037 LL045-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_08860**

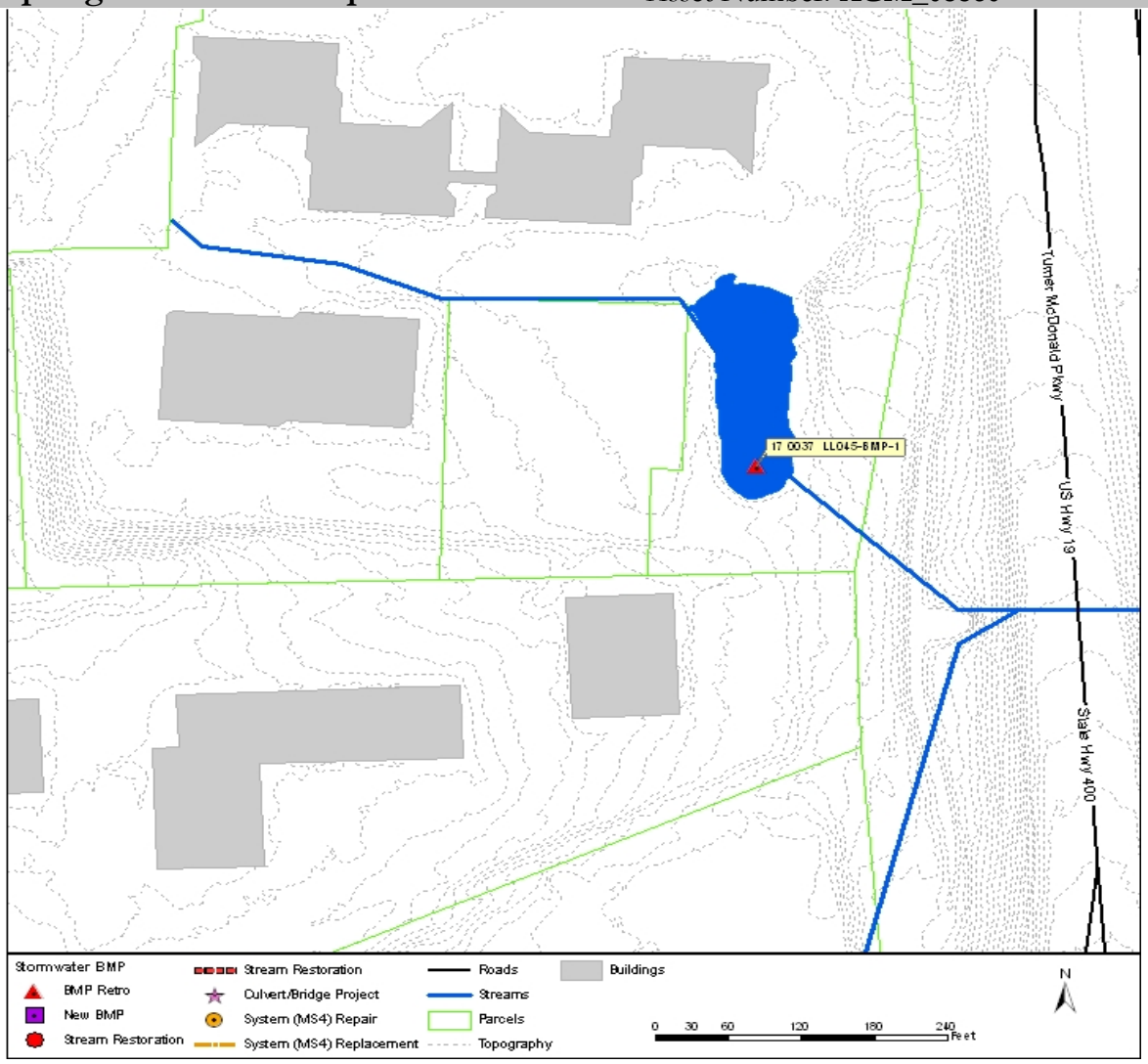

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	633	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	77,918	ft^3
Parcel Ownership:	Private		Potential Volume:	155,836	ft^3
Land Use:	Commercial; Woods - Grass Combination Fair		WQ Volume:	86,744	ft^3
			CP Volume:	370,739	ft^3
			25-Year Volume:	483,362	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:	38.5	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:**	4.55	
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 0038 LL141-BMP-1**
Asset Number: **AGM_04850**

Benefit/Cost:	1.29	Address:	0 Johnson Ferry Rd
Estimated Cost:	$505,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Woods - Grass Combination area near Johnson Ferry Rd. 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

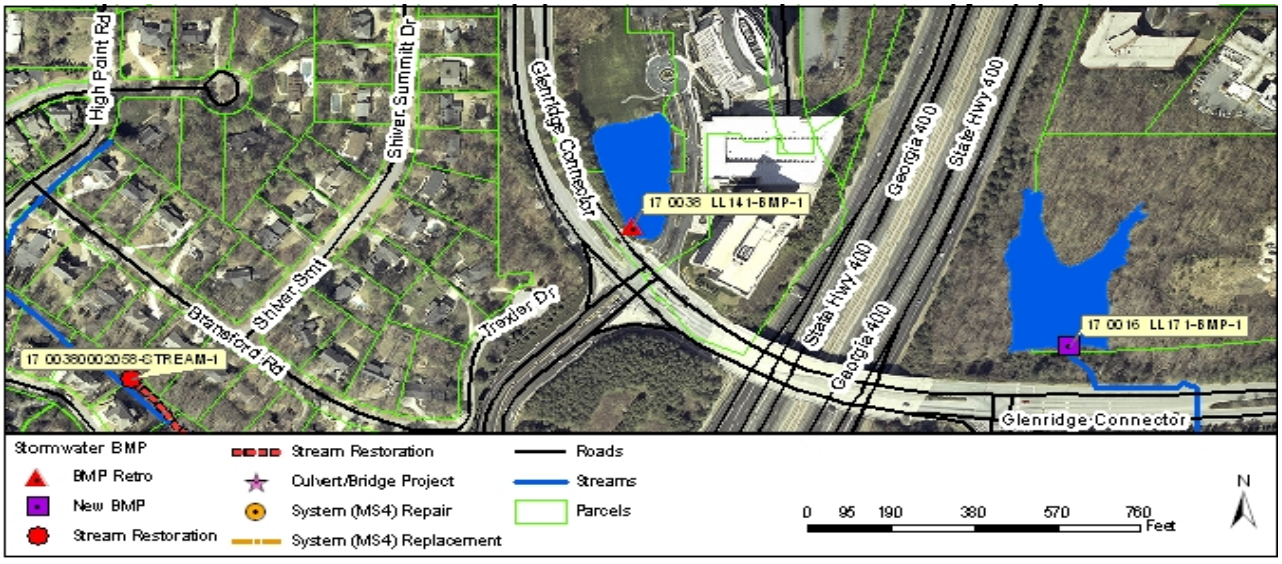

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0038 LL141-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_04850**

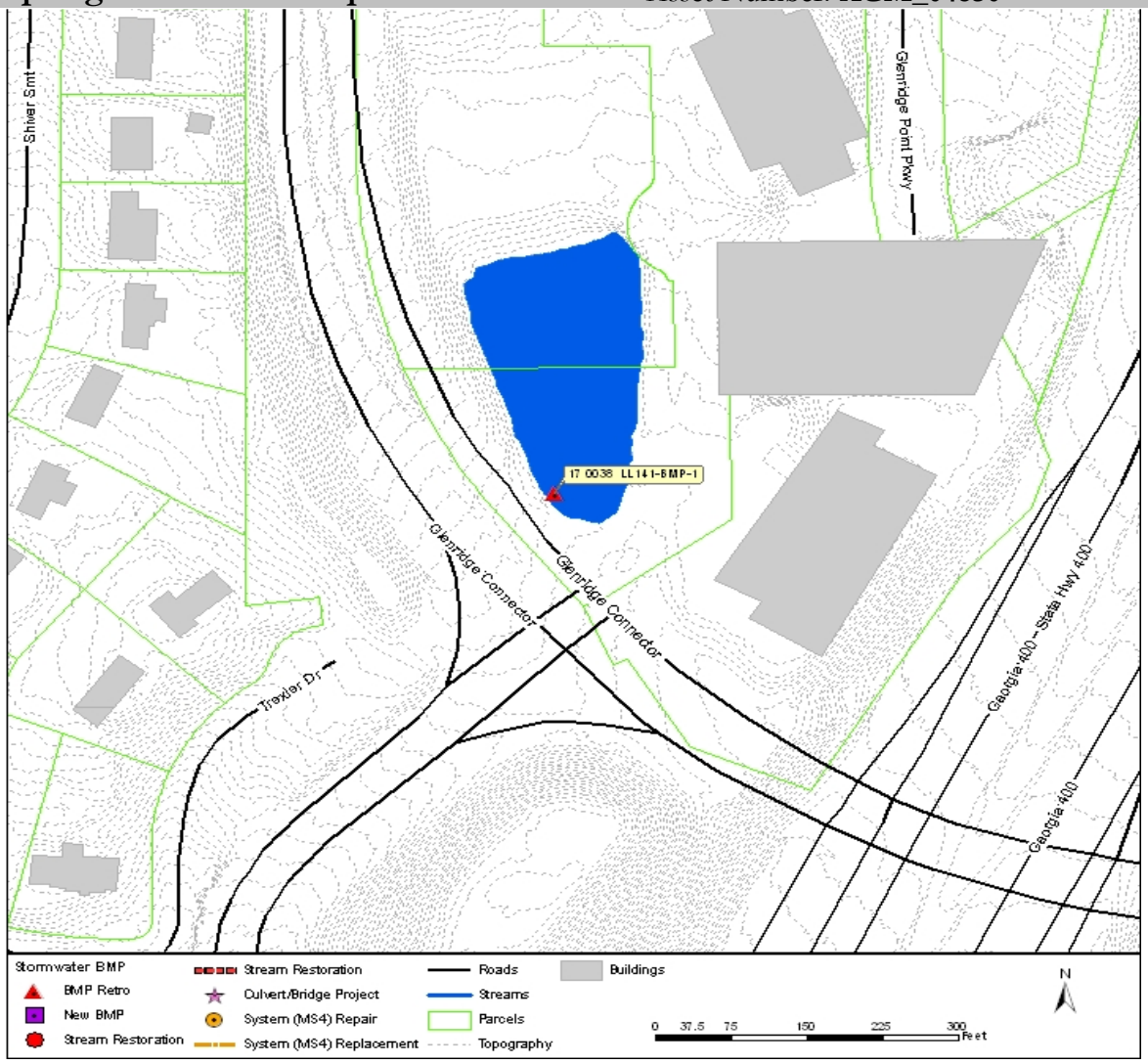

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	154	lb/ac/yr
Asset Ownership:	6: Non SF Res-Attached		Existing Volume:	332,522	ft^3
Parcel Ownership:	Private		Potential Volume:	332,522	ft^3
Land Use:	Water; Woods - Grass Combination Fair		WQ Volume:	20,355	ft^3
			CP Volume:	65,579	ft^3
			25-Year Volume:	84,784	ft^3
			Stream Project Length:	N/A	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	Offline	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	N/A	N/A
Drainage Area:	7.2	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	11	
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:**	1.29	
Pipe Size:	N/A	ft			
Structure/Pipe Age:	N/A				
Structure/Pipe Conditions:	N/A				

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0039 LL055-STREAM-1**
Asset Number: **AGM_02411, AGM_02412**

Benefit/Cost:	2.72	Address:	5430 South Trimble Rd
Estimated Cost:	$598,000	Study Area:	Nancy Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 2 restoration is proposed for a reach located just downstream of GA-400. The reach is downstream of active construction and heavy sediment present in bed of stream. A Level 2 approach includes restoring the stream and floodplain within the existing channel at the present elevation or a new channel adjacent to the old but at the same elevation. The new channel will be based on the dimension, pattern, and profile characteristic of a stable reference reach.

Project Goals

Stabilize streambanks to reduce streambank erosion to decrease suspended sediment loads and improve water quality and instream habitat. Establish and protect a vegetated buffer along the stream. Restore proper dimension, pattern, and profile so the channel will move water and sediment without aggrading or degrading while also considering flood hazards. Reconnect channel to existing floodplain.

Photos and Maps

Photo 1

Photo 2

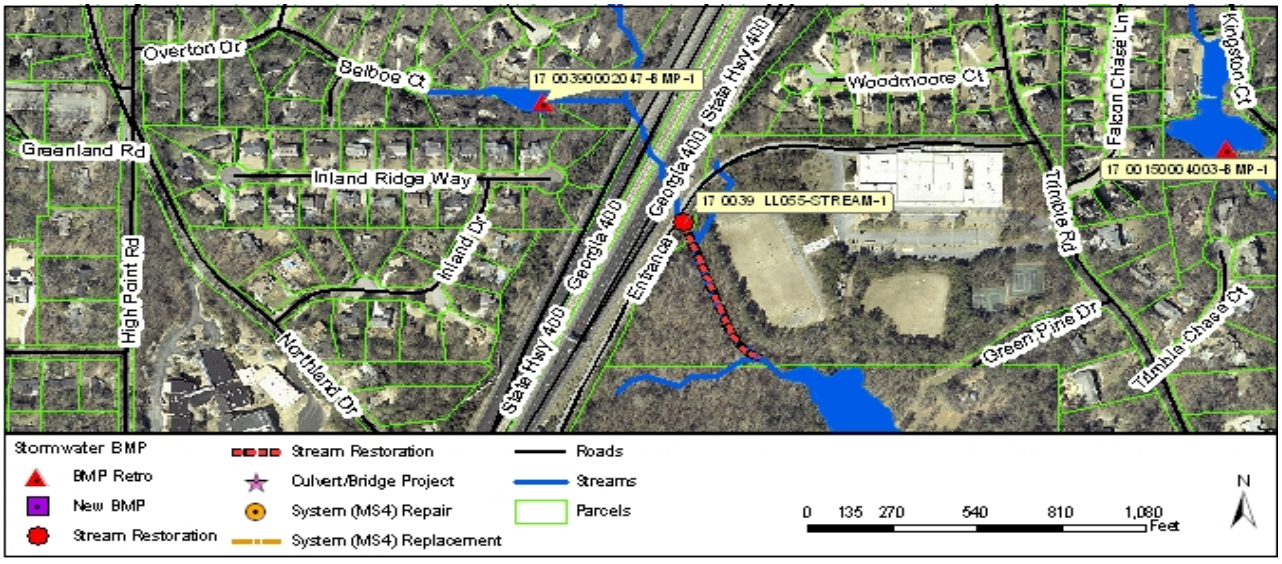

Figure 1 Plan View of Project with Aerial Photography

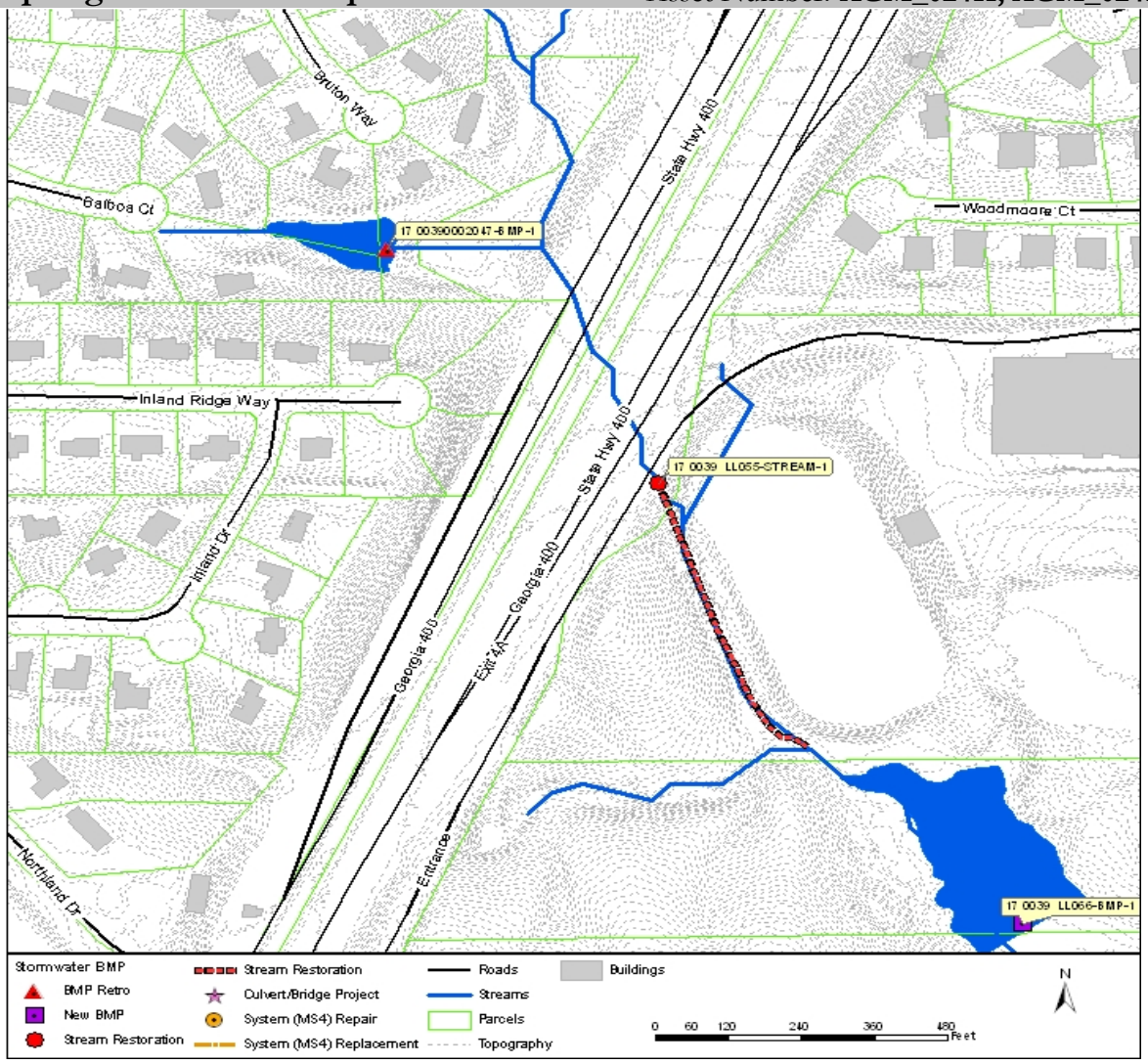

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	1,964	lb/ac/yr
Asset Ownership:	Not Applicable		Existing Volume:	N/A	ft^3
Parcel Ownership:	County, 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:	570	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	75-100% RB
Drainage Area:	189.0	acres	Bank Height:	8ft LB	5ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	32	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	18	
Flood Width Over Road:	N/A	ft	Change in Risk:	14	
Structure Type:	N/A		**Benefit/Cost:**	2.72	
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 0039 LL066-BMP-1**
Asset Number: **AGM_02326**

Benefit/Cost:	1.43	Address:	5200 GREEN PINE DR
Estimated Cost:	$763,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

Build a new wet pond. The new BMP is located on a Open Space; Woods area near Northland Dr Ne. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as NC-AJ-BMP-6. 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

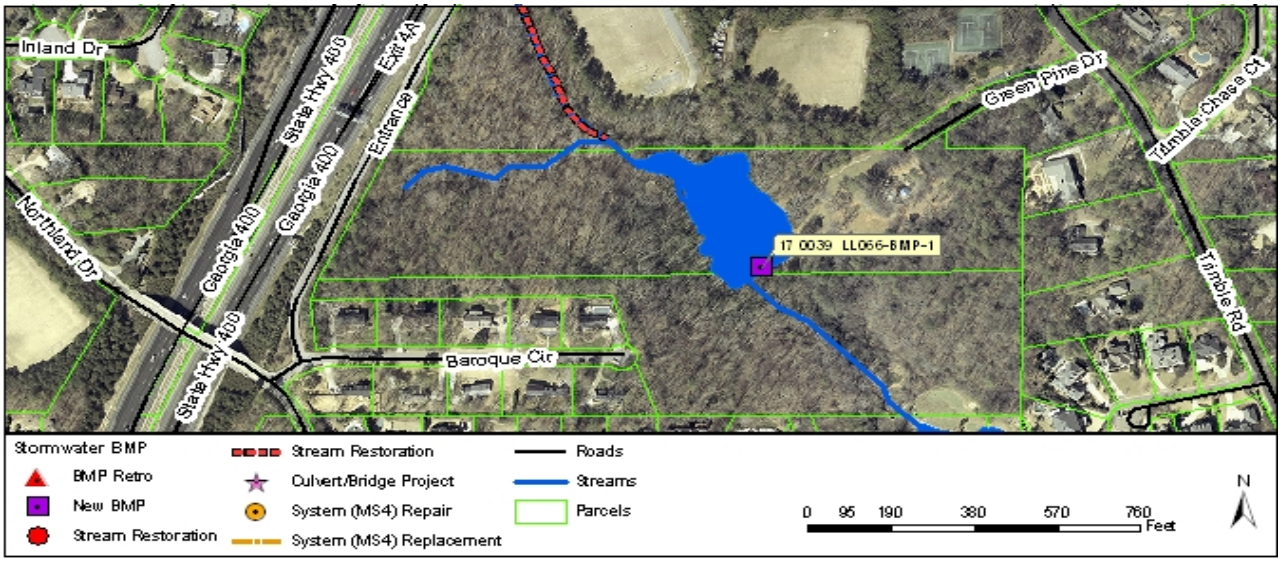

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0039 LL066-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_02326**

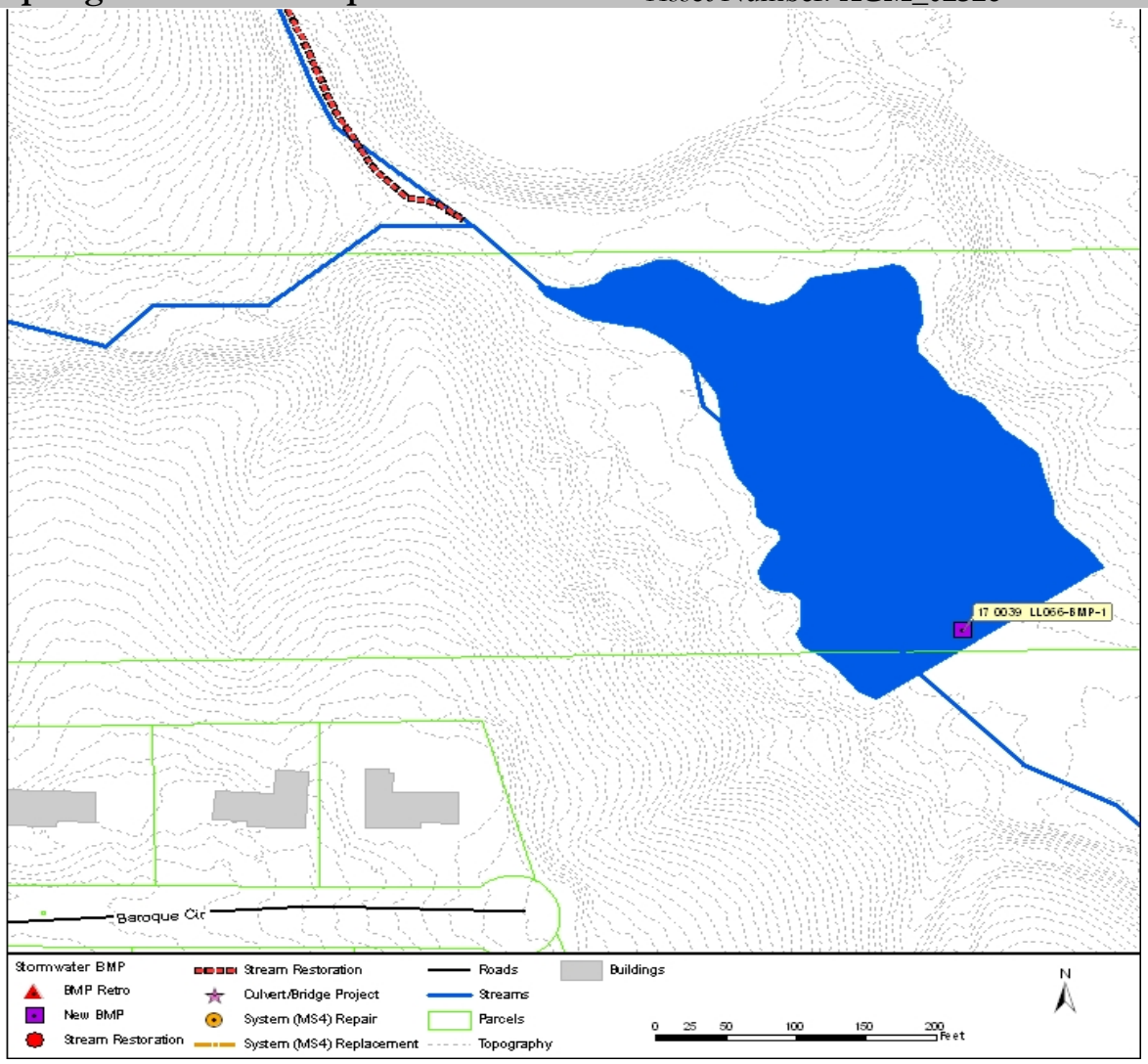

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5	
Asset Ownership:	1: City	
Parcel Ownership:	City	
Land Use:	Open Space Good; Woods	
TMDL Stream(FecalColiform):	Y	
TMDL Stream (Biota):	Y	
Drainage Area:	285.0	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:	2,169	lb/ac/yr
Existing Volume:	159,399	ft^3
Potential Volume:	159,399	ft^3
WQ Volume:	517,742	ft^3
CP Volume:	1,696,096	ft^3
25-Year Volume:	2,057,972	ft^3
Stream Project Length:	N/A	ft
Stream Order:	2	
Bank Stability (% exposed):	N/A	N/A
Bank Height:	N/A	N/A
Existing Risk:	58	
Proposed Risk:	50	
Change in Risk:	9	
Benefit/Cost:	1.43	

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 0039 LL078-BMP-1**
Asset Number: **AGM_02304**

Benefit/Cost:	3.02	Address:	5200 Northland Dr
Estimated Cost:	$423,000	Study Area:	Nancy 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 area near Northland 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 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

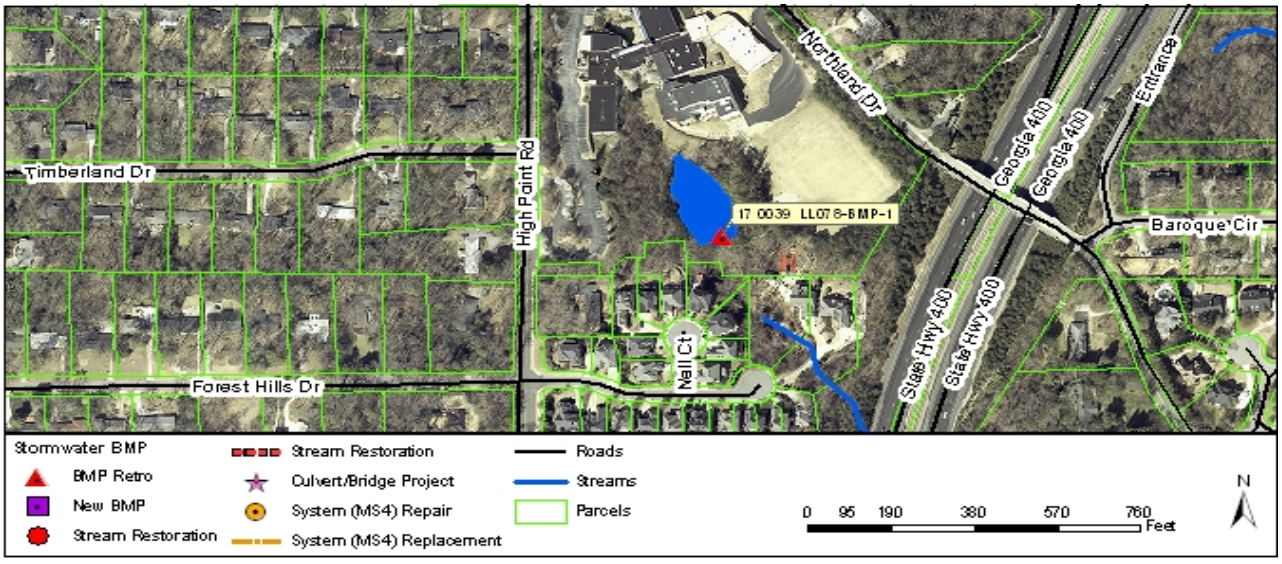

Figure 1 Plan View of Project with Aerial Photography

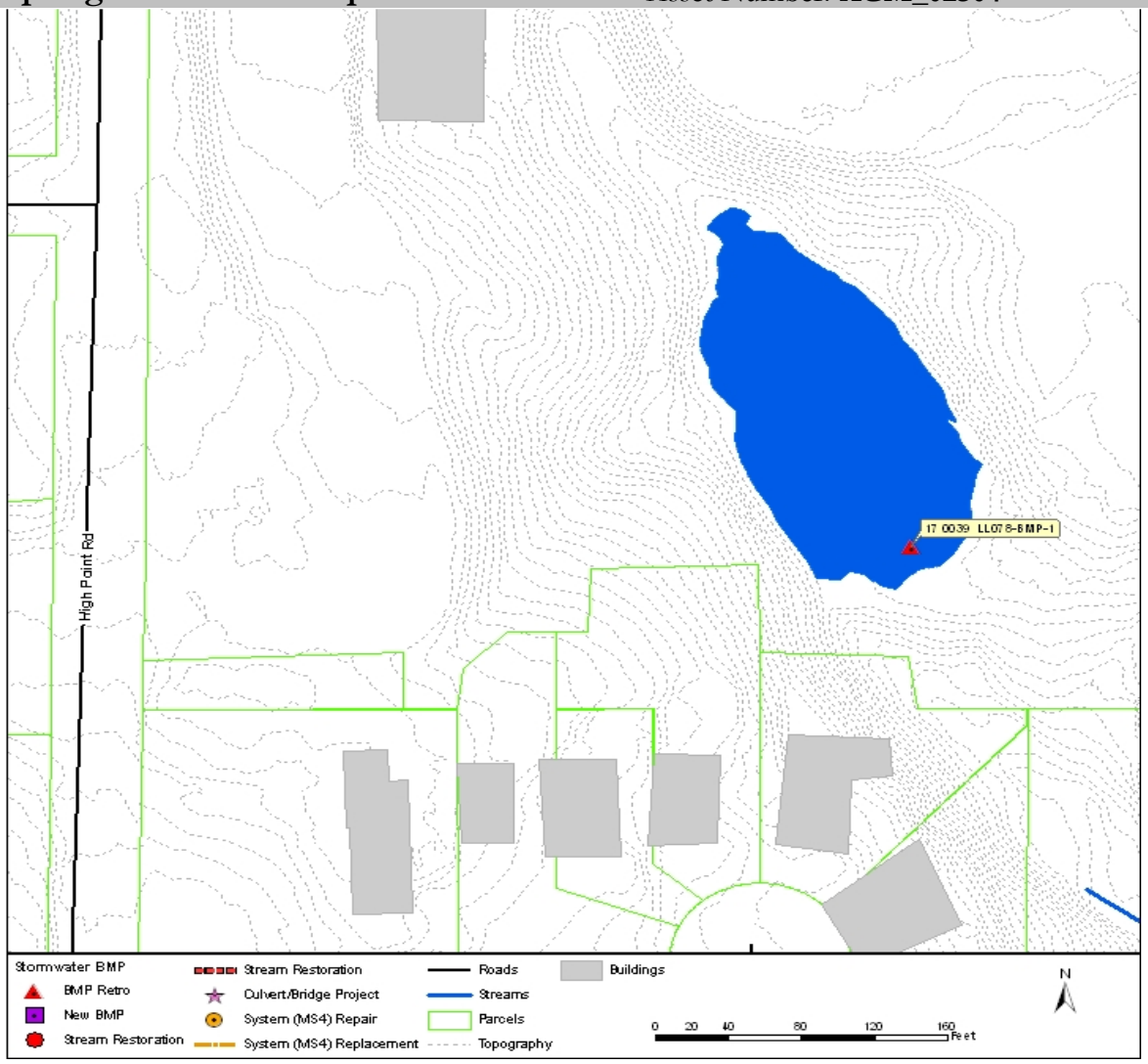

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	305	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	125,857	ft^3
Parcel Ownership:	Private		Potential Volume:	125,857	ft^3
Land Use:	Commercial; Woods		WQ Volume:	53	ft^3
			CP Volume:	127,445	ft^3
			25-Year Volume:	153,592	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:	19.9	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:	6	
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 0040 LL072-BMP-1**
Asset Number: **AGM_02570**

Benefit/Cost:	1.53	Address:	220 High Point Walk
Estimated Cost:	$227,000	Study Area:	Nancy 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 Residential - 1/3 acre area near High Point Rd. 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 a portion of the channel protection benefits by converting it to a dry extended detention basin and redesigning the outlet control structure.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

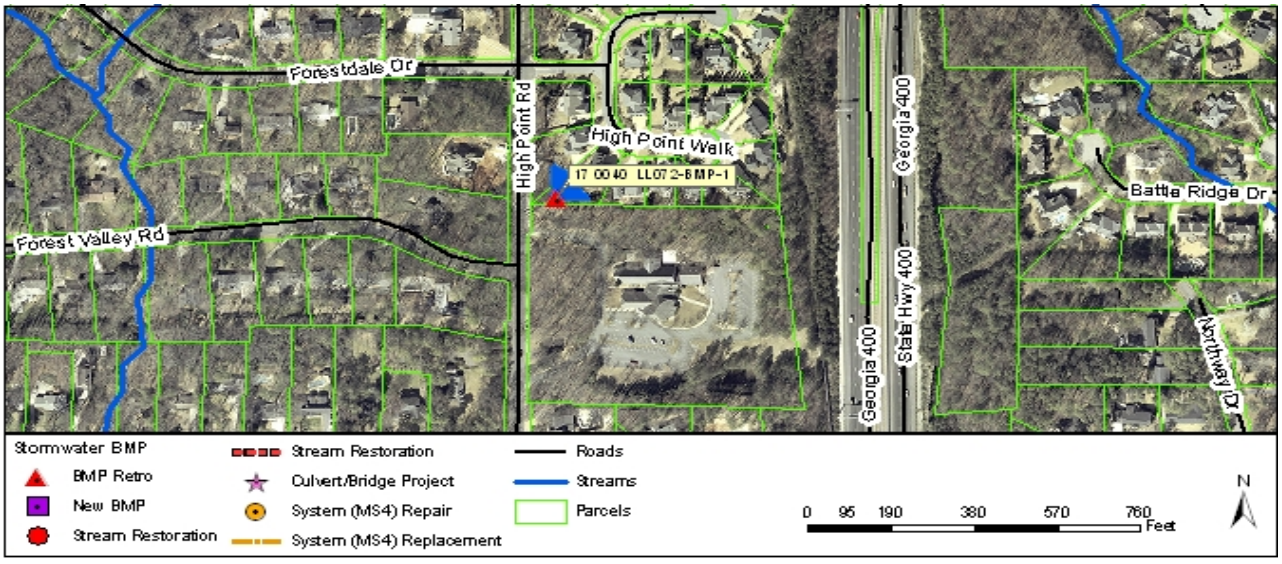

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0040 LL072-BMP-1**

Sandy Springs Watershed Improvement Plan Asset Number: **AGM_02570**

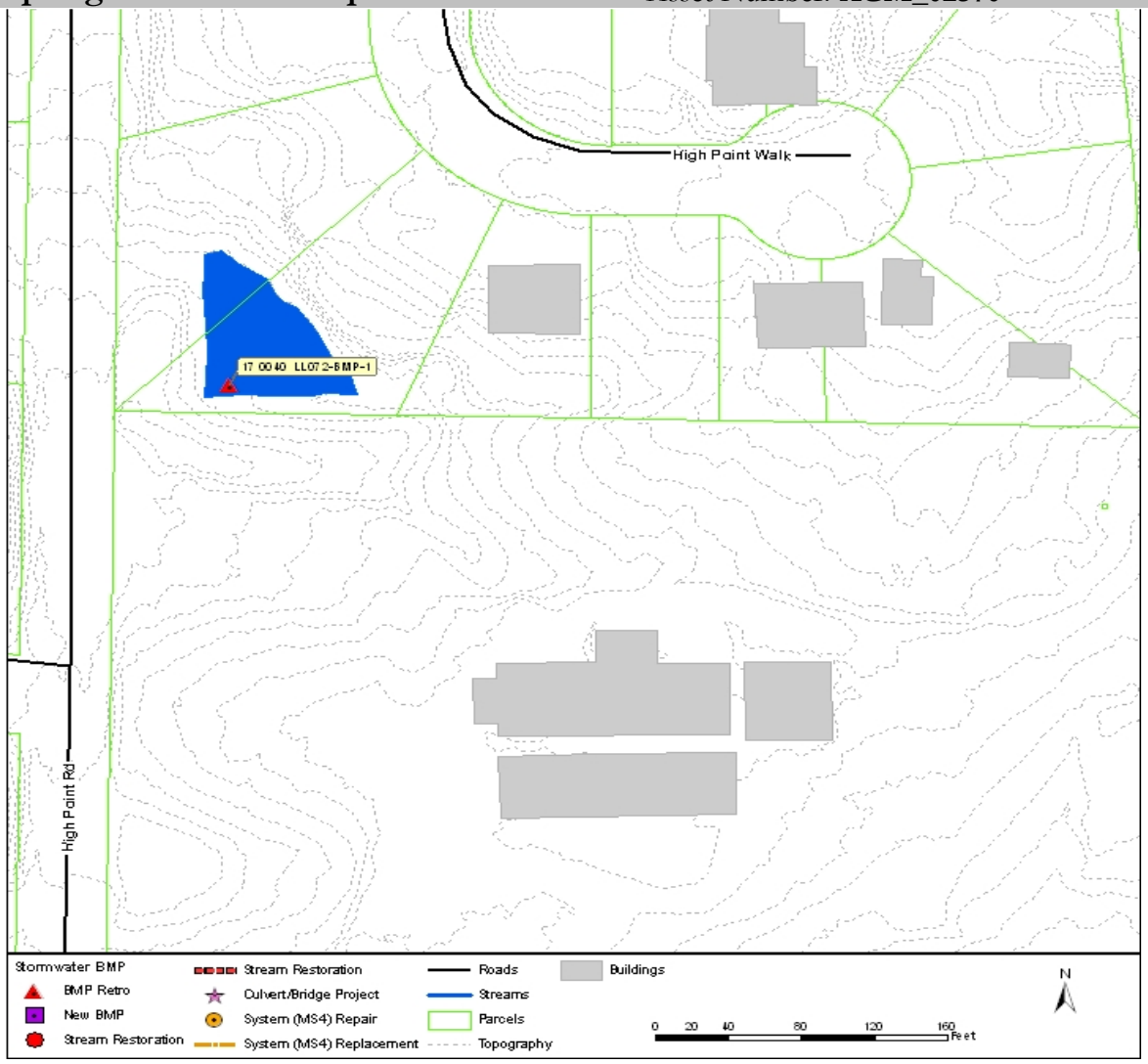

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	253	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	29,330	ft^3
Parcel Ownership:	Private		Potential Volume:	29,330	ft^3
Land Use:	Residential - 1/3 acre lot size		WQ Volume:	11,444	ft^3
			CP Volume:	39,910	ft^3
			25-Year Volume:	47,896	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:	7.7	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:	13	
Flood Width Over Road:	N/A	ft	Change in Risk:	5	
Structure Type:	N/A		**Benefit/Cost:**	1.53	
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 0040 LL161-BMP-1**
Asset Number: **AGM_00607**

Benefit/Cost:	3.62	Address:	5075 Green Pine Dr
Estimated Cost:	$822,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Open Space; Residential - 1/2 acre area near Green Pine 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

No photo available

Photo 2

No photo available

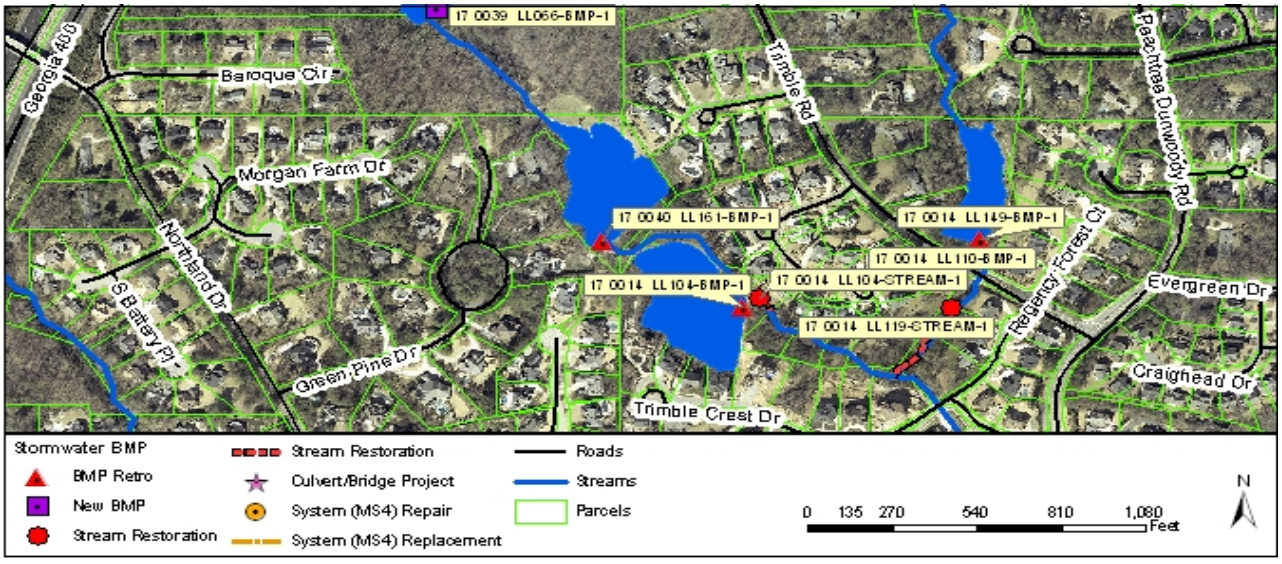

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0040 LL161-BMP-1**

Sandy Springs Watershed Improvement Plan Asset Number: **AGM_00607**

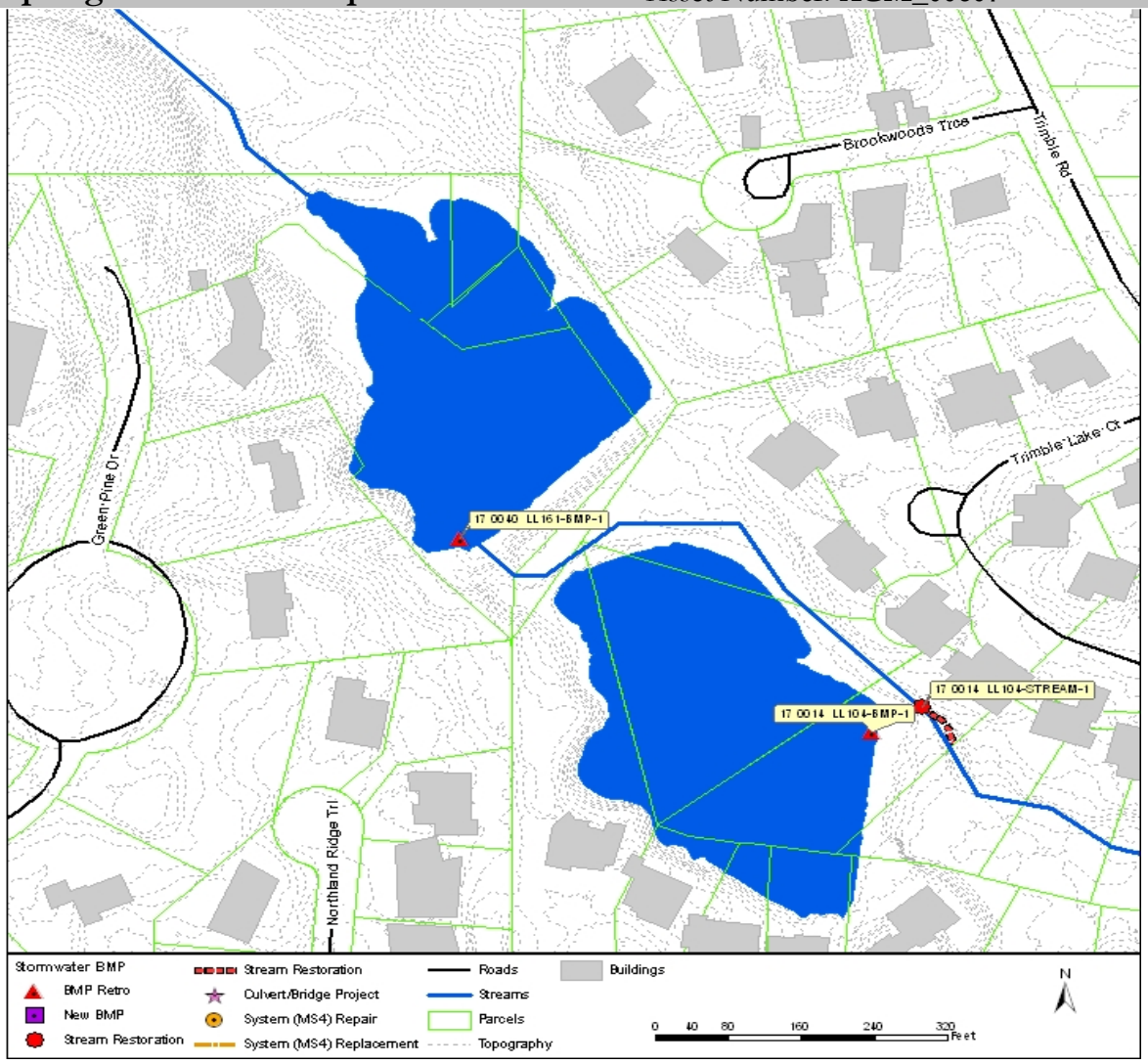

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	863	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	1,046,850	ft^3
Parcel Ownership:	Private		Potential Volume:	1,046,850	ft^3
Land Use:	Open Space Good;		WQ Volume:	542,328	ft^3
	Residential - 1/2 acre lot size;		CP Volume:	1,777,365	ft^3
	Water		25-Year Volume:	2,135,071	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:	306.8	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500		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:**	3.62	
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 0041 LL036-BMP-1**

Asset Number: **AGM_00231**

Benefit/Cost:	2.69	Address:	0 Windsor Pky Ne
Estimated Cost:	$1,254,000	Study Area:	Nancy Creek
		Proposed Project Type:	Shallow Wetland

Project Description

Build a new shallow wetland. The new BMP is located on a Woods area near Windsor Pky Ne. This project was included in the previous CIP as NC-NC-BMP-2. 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 full water quality and a portion of the channel protection benefits.

Photos and Maps

Photo 1

Photo 2

No photo available

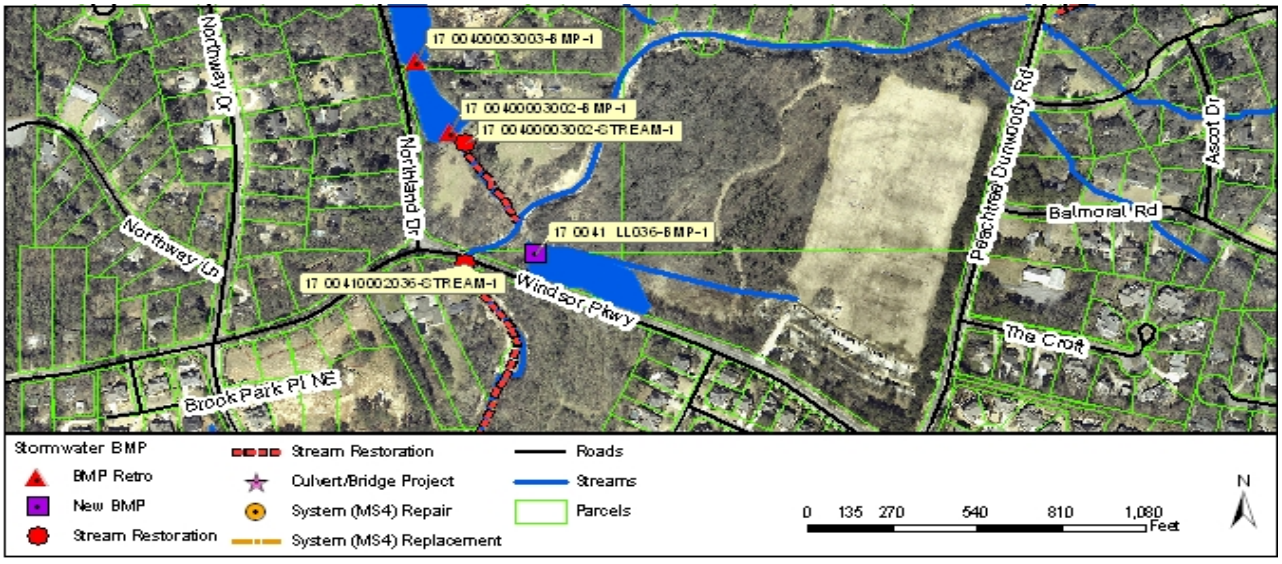

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0041 LL036-BMP-1**

Sandy Springs Watershed Improvement Plan Asset Number: **AGM_00231**

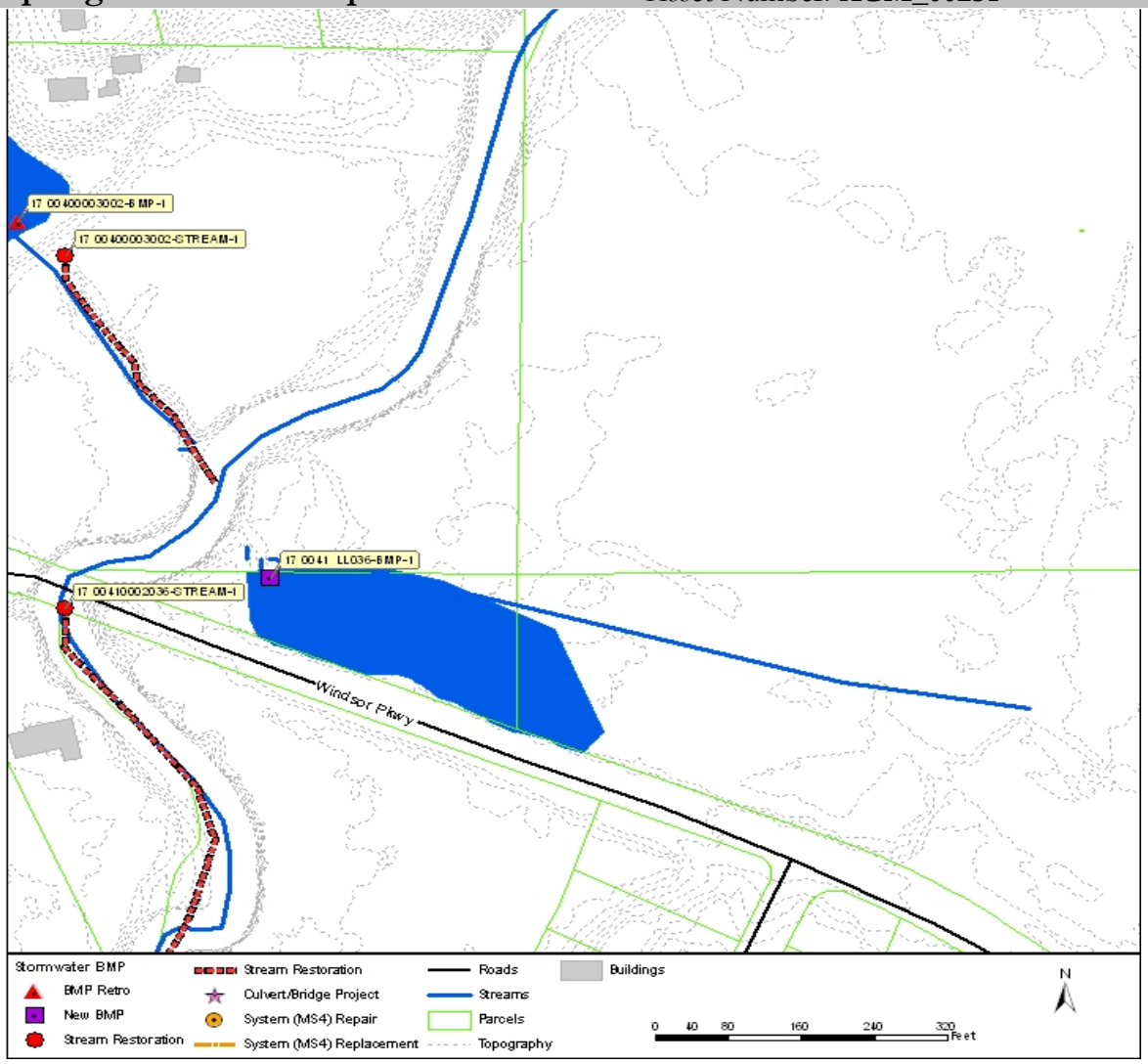

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	331	lb/ac/yr
Asset Ownership:	6: Non SF Res-Attached		Existing Volume:	178,573	ft^3
Parcel Ownership:	Private		Potential Volume:	178,573	ft^3
Land Use:	Woods		WQ Volume:	27,285	ft^3
			CP Volume:	190,025	ft^3
			25-Year Volume:	219,764	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:	44.4	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	AE, AE-FLOODWAY		Existing Risk:	25	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	7	
Flood Width Over Road:	N/A	ft	Change in Risk:	19	
Structure Type:	N/A		**Benefit/Cost:**	2.69	
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 0068 LL078-BMP-1**
Asset Number: **AGM_01368**

Benefit/Cost:	1.93	Address:	0 Enclave Cir
Estimated Cost:	$218,000	Study Area:	Nancy 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; Woods area near Enclave Cir. 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.

Photos and Maps

Photo 1

Photo 2

No photo available

Figure 1 Plan View of Project with Aerial Photography

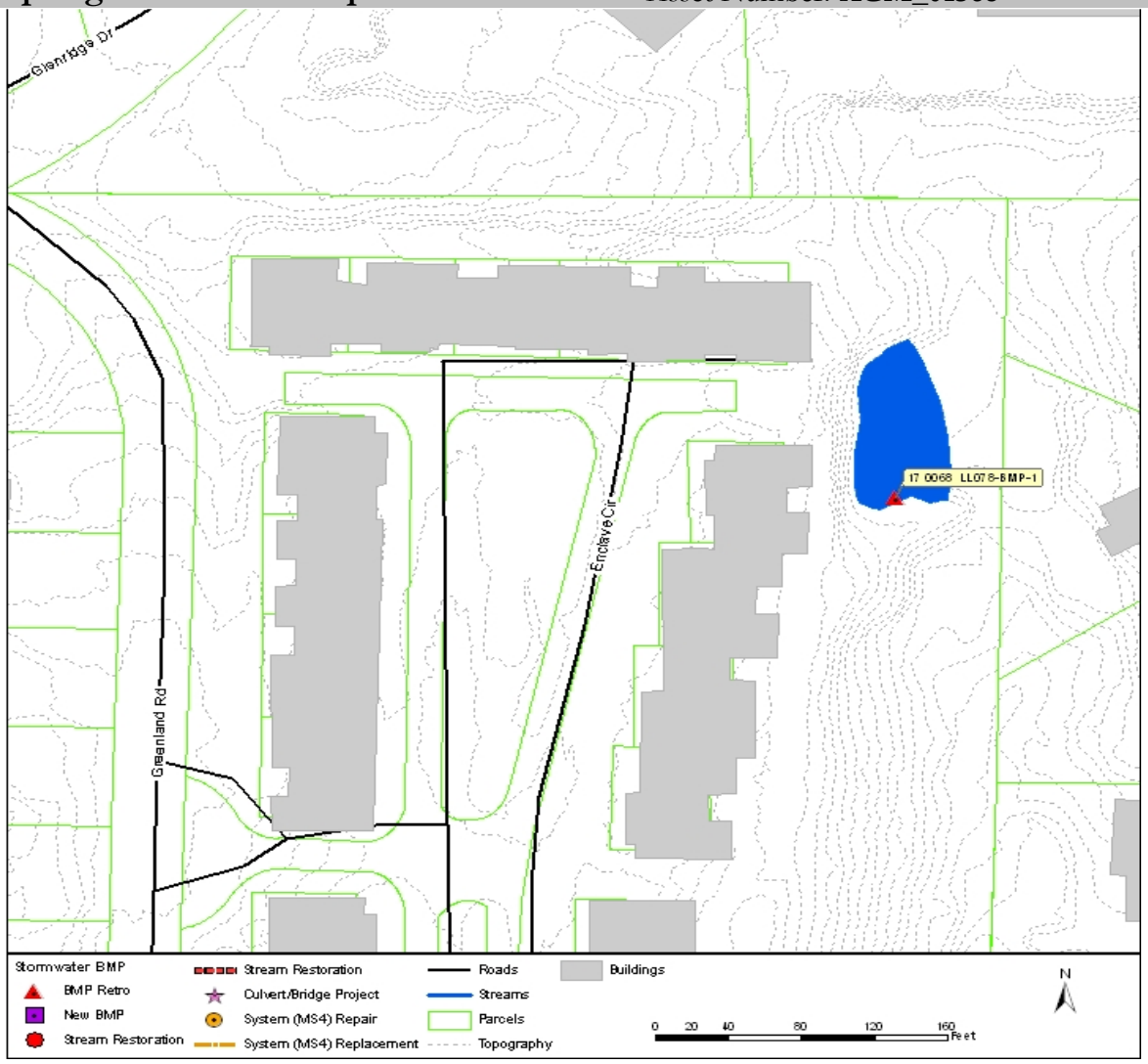

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	498	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	17,416	ft^3
Parcel Ownership:	Private		Potential Volume:	17,416	ft^3
Land Use:	Commercial; Woods		WQ Volume:	3,471	ft^3
			CP Volume:	16,569	ft^3
			25-Year Volume:	21,606	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:	1.9	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:**	1.93	
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 0092 LL071-BMP-1**
Asset Number: **AGM_01688**

Benefit/Cost:	2.88	Address:	5135 Roswell Road
Estimated Cost:	$695,000	Study Area:	Nancy 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 area near Catalpa Ct. 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

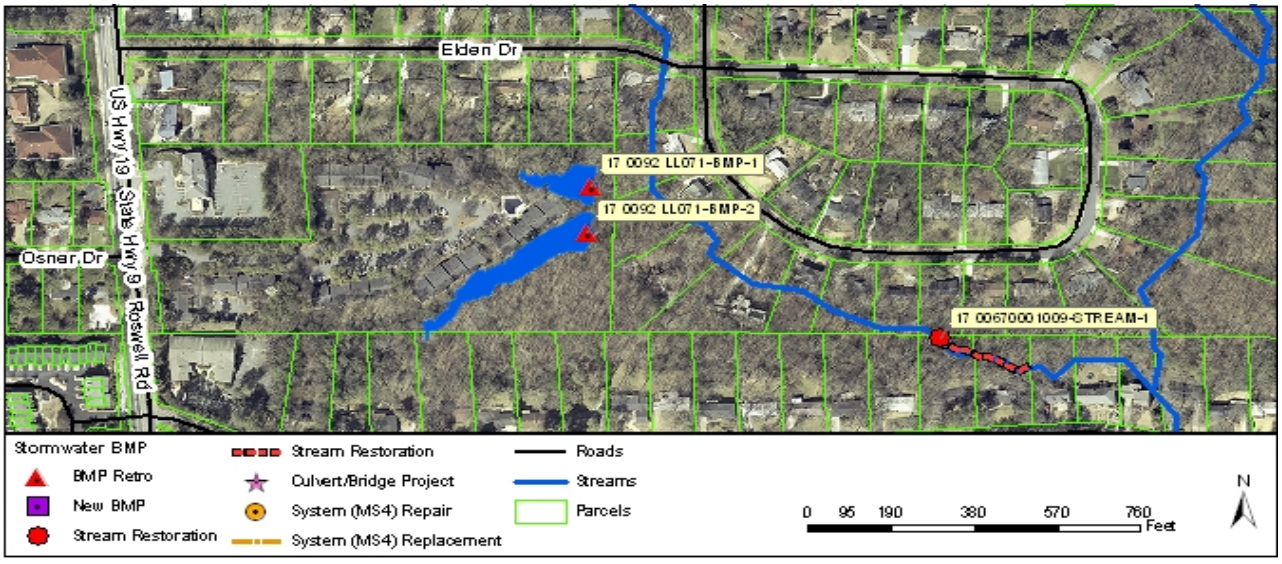

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0092 LL071-BMP-1**

Sandy Springs Watershed Improvement Plan Asset Number: **AGM_01688**

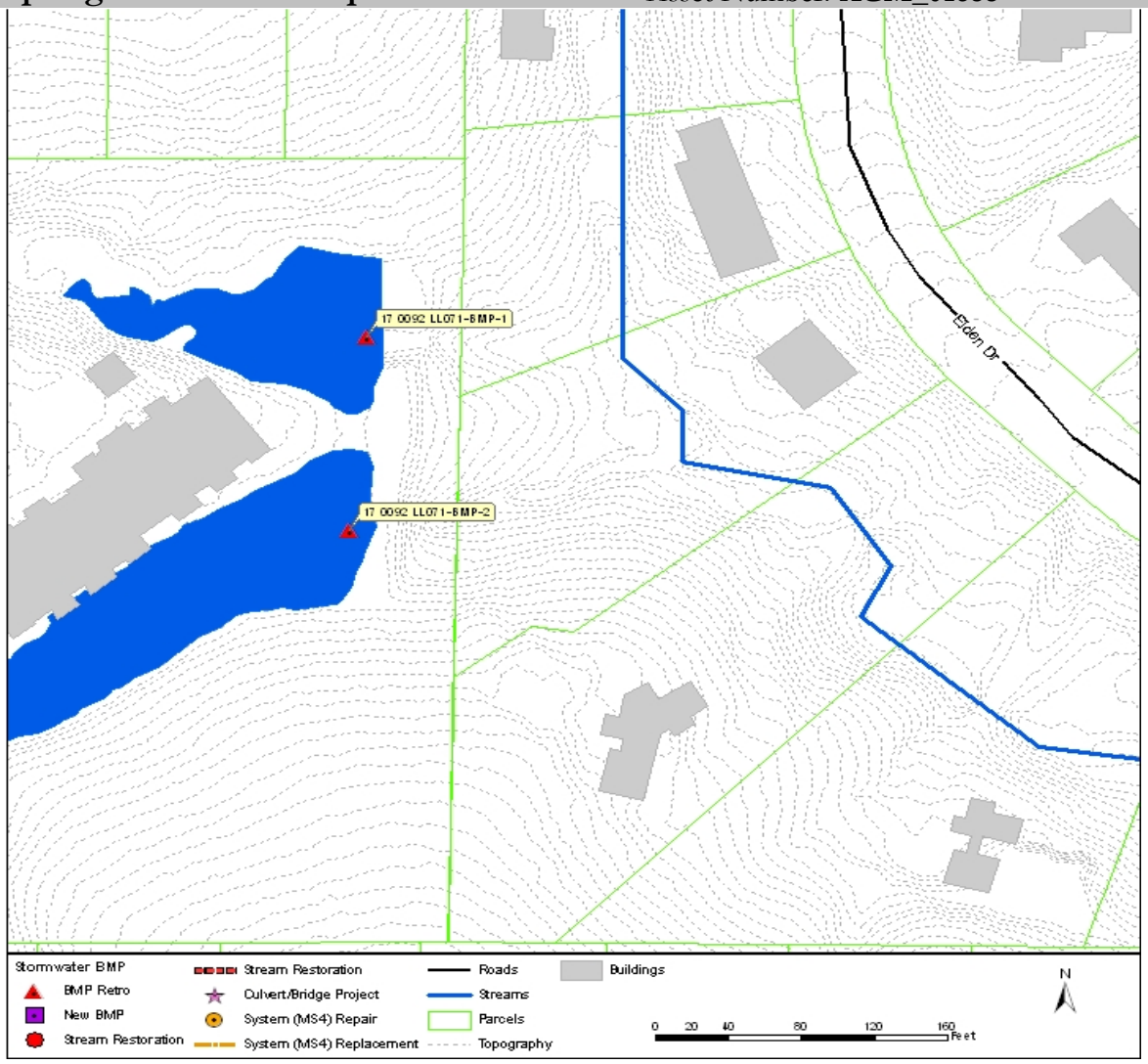

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	361	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	81,981	ft^3
Parcel Ownership:	Private		Potential Volume:	122,972	ft^3
Land Use:	Commercial; Water; Woods		WQ Volume:	33,211	ft^3
			CP Volume:	132,446	ft^3
			25-Year Volume:	166,365	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:	19.0	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	21	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	7	
Flood Width Over Road:	N/A	ft	Change in Risk:	14	
Structure Type:	N/A		**Benefit/Cost:**	2.88	
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 LL071-BMP-2**
Asset Number: **AGM_01692**

Benefit/Cost:	2.80	Address:	5135 Roswell Road
Estimated Cost:	$437,000	Study Area:	Nancy 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 area near Catalpa Ct. 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

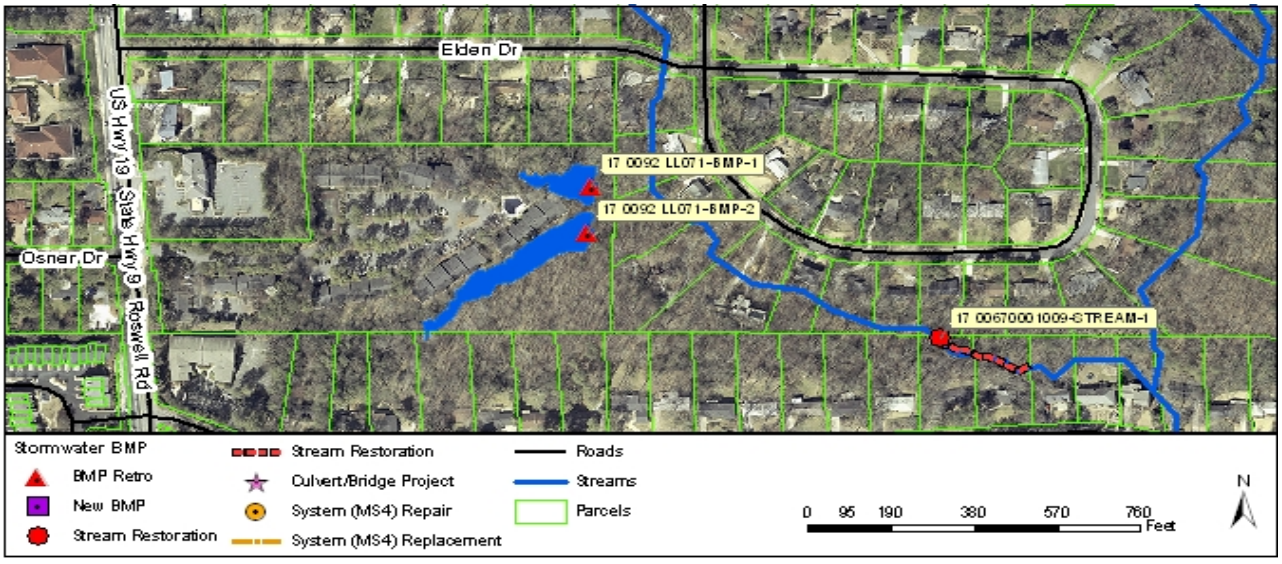

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 0092 LL071-BMP-2**

Sandy Springs Watershed Improvement Plan Asset Number: **AGM_01692**

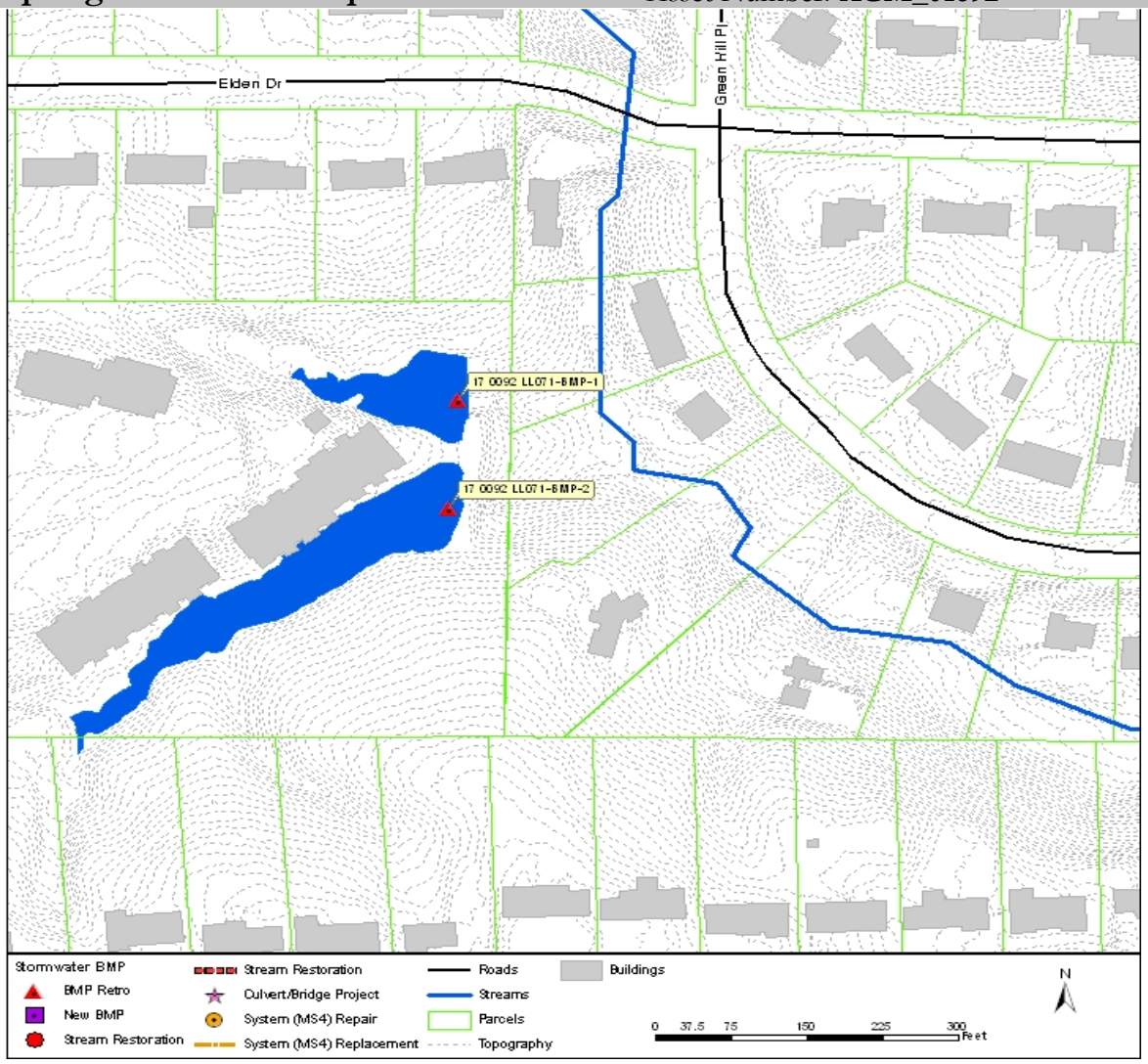

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	334	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	178,312	ft^3
Parcel Ownership:	Private		Potential Volume:	178,312	ft^3
Land Use:	Commercial; Water; Woods		WQ Volume:	33,258	ft^3
			CP Volume:	127,511	ft^3
			25-Year Volume:	154,837	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:	19.7	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:	5	
Flood Width Over Road:	N/A	ft	Change in Risk:	11	
Structure Type:	N/A		**Benefit/Cost:**	2.80	
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 00150004003-BMP-1**
Asset Number: **AGM_02086**

Benefit/Cost:	2.99	Address:	5260 West Kingston Ct Ne
Estimated Cost:	$548,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

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

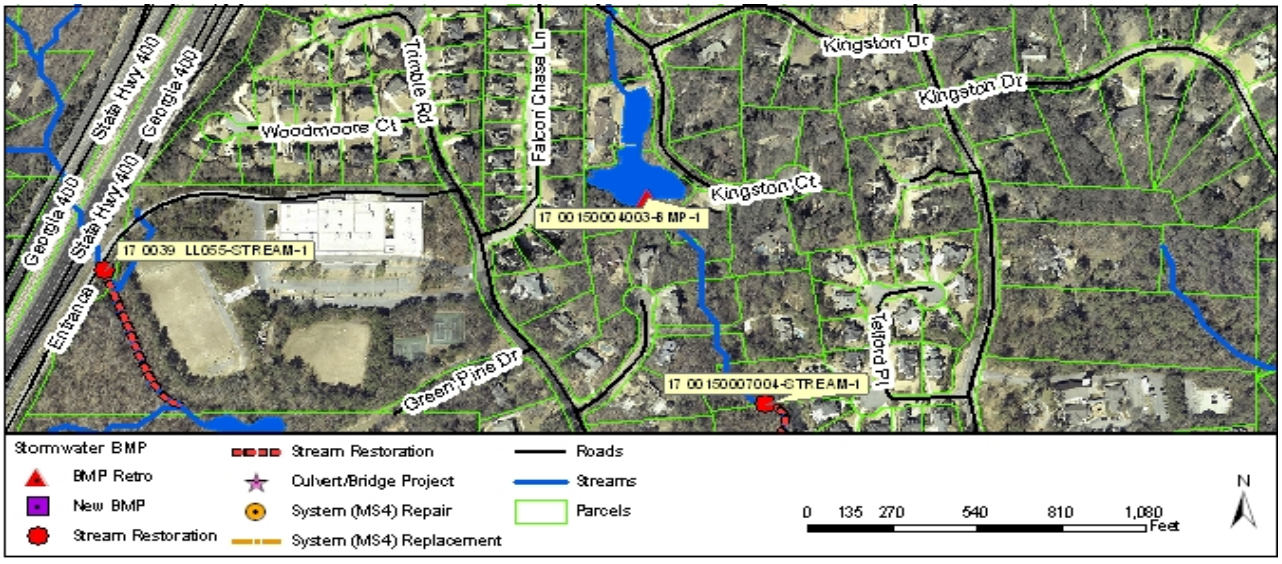

Figure 1 Plan View of Project with Aerial Photography

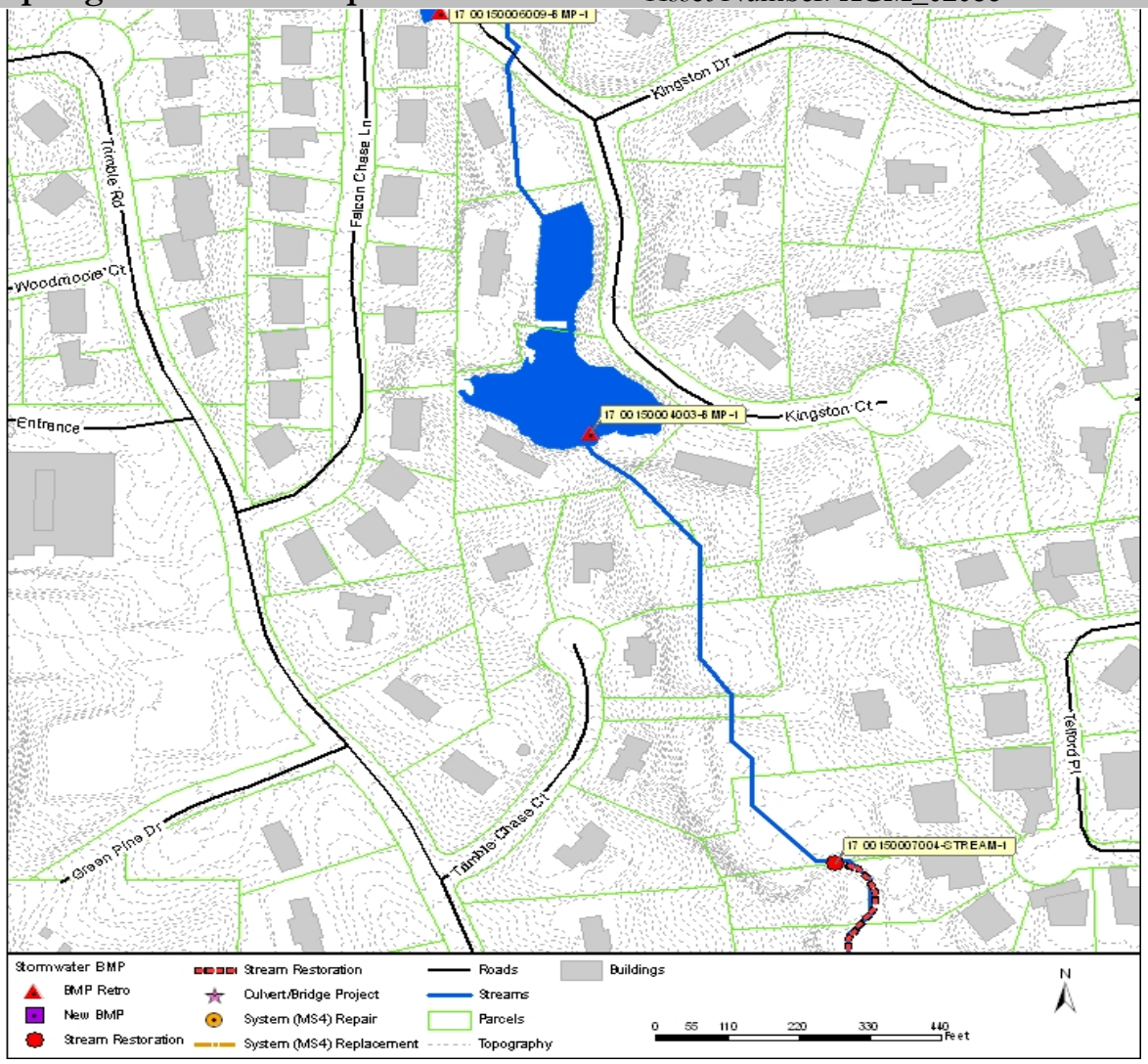

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	302	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	405,666	ft^3
Parcel Ownership:	Private		Potential Volume:	405,666	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	212,905	ft^3
			CP Volume:	787,331	ft^3
			25-Year Volume:	998,789	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:	112.2	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	34	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	19	
Flood Width Over Road:	N/A	ft	Change in Risk:	15	
Structure Type:	N/A		**Benefit/Cost:**	2.99	
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 00150006013-BMP-1**
Asset Number: **AGM_02066**

Benefit/Cost:	4.26	Address:	5185 Falcon Chase Ln
Estimated Cost:	$479,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond Extended Detention

Project Description

Retrofit existing wet pond into a wet extended detention pond. The existing BMP is located on a Residential - 1/3 acre; Woods - Grass Combination area near Falcon Chase Ln. 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 the extended detention storage is 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 greater water quality benefits by converting it into a wet 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

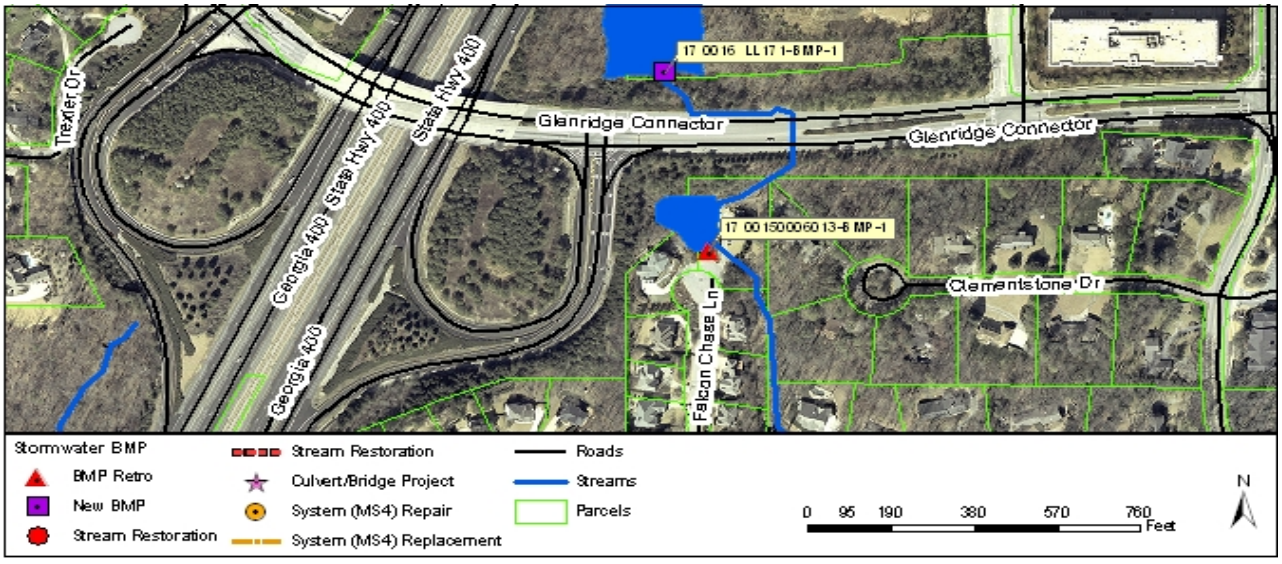

Figure 1 Plan View of Project with Aerial Photography

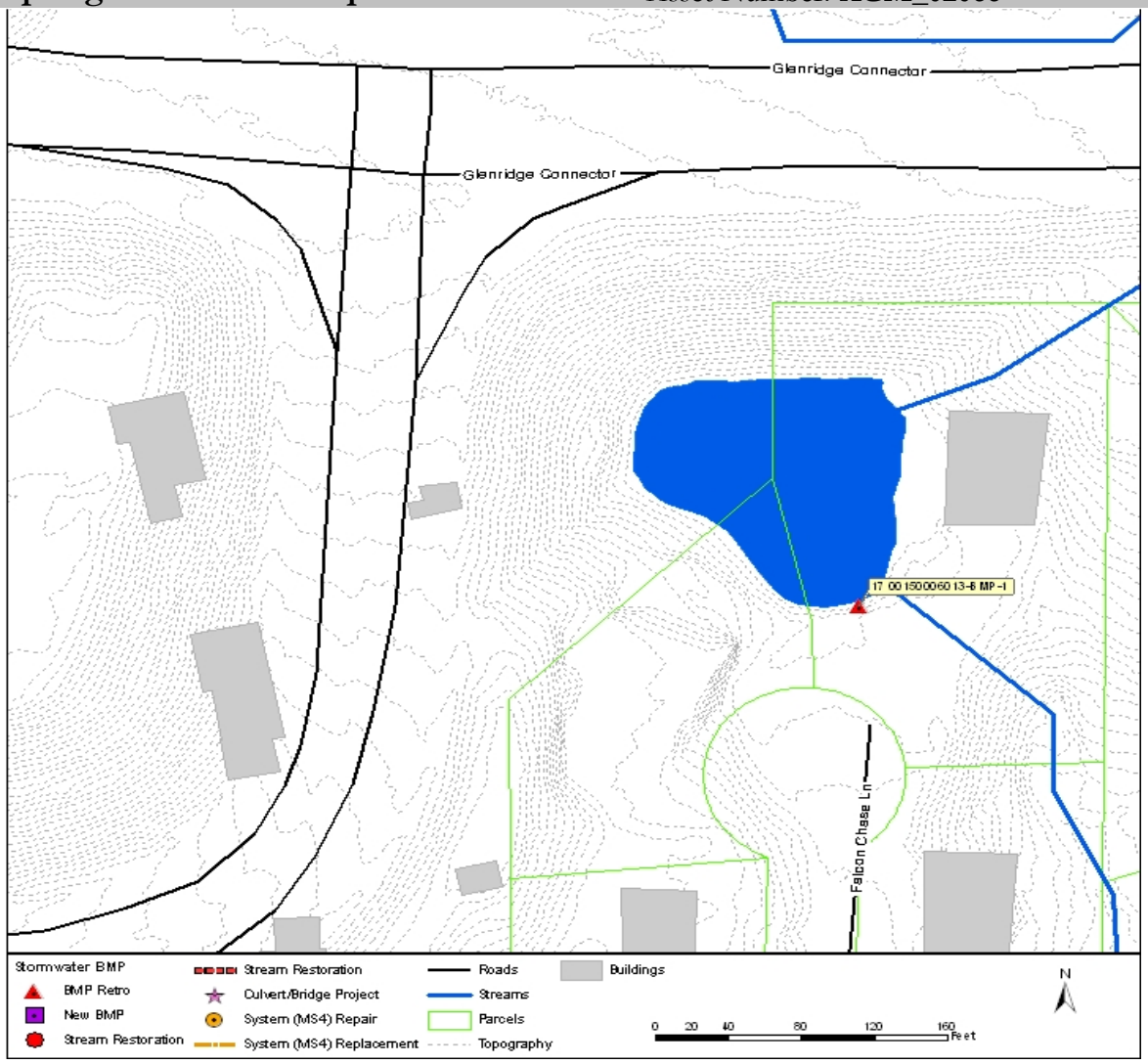

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	796	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	134,544	ft^3
Parcel Ownership:	Private, State		Potential Volume:	134,544	ft^3
Land Use:	Residential - 1/3 acre lot size;		WQ Volume:	124,054	ft^3
	Woods - Grass Combination		CP Volume:	462,391	ft^3
	Fair		25-Year Volume:	596,818	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:	57.8	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	49	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	32	
Flood Width Over Road:	N/A	ft	Change in Risk:	17	
Structure Type:	N/A		**Benefit/Cost:**	4.26	
Pipe Size:	N/A	ft			
Structure/Pipe Age:	N/A				
Structure/Pipe Conditions:	N/A				

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 00150007004-STREAM-1**
Asset Number: **AGM_02077, AGM_02054**

Benefit/Cost:	3.81	Address:	540 Telford Pl
Estimated Cost:	$394,000	Study Area:	Nancy Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 2 restoration is proposed for approximately 350 foot reach where the left bank is very steep with high erosion rates and needs stabilization. Channel can be moved toward right bank where buffer is present. A Level 2 approach includes restoring the stream and floodplain within the existing channel at the present elevation or a new channel adjacent to the old but at the same elevation. The new channel will be based on the dimension, pattern, and profile characteristic of a stable reference reach.

Project Goals

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

Photos and Maps

Photo 1

Photo 2

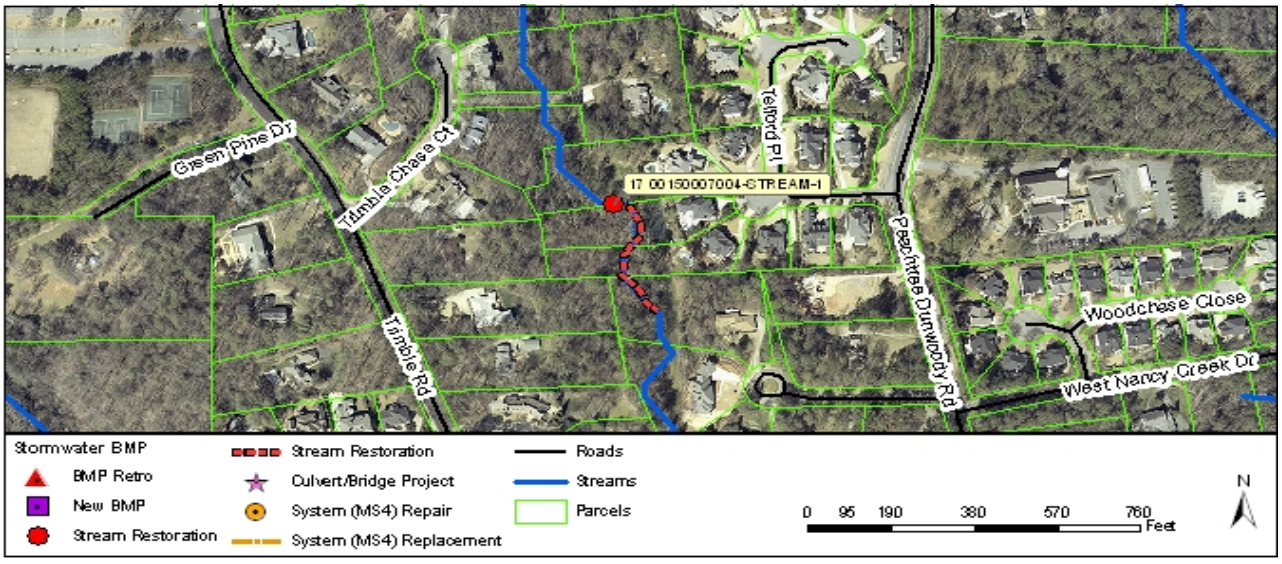

Figure 1 Plan View of Project with Aerial Photography

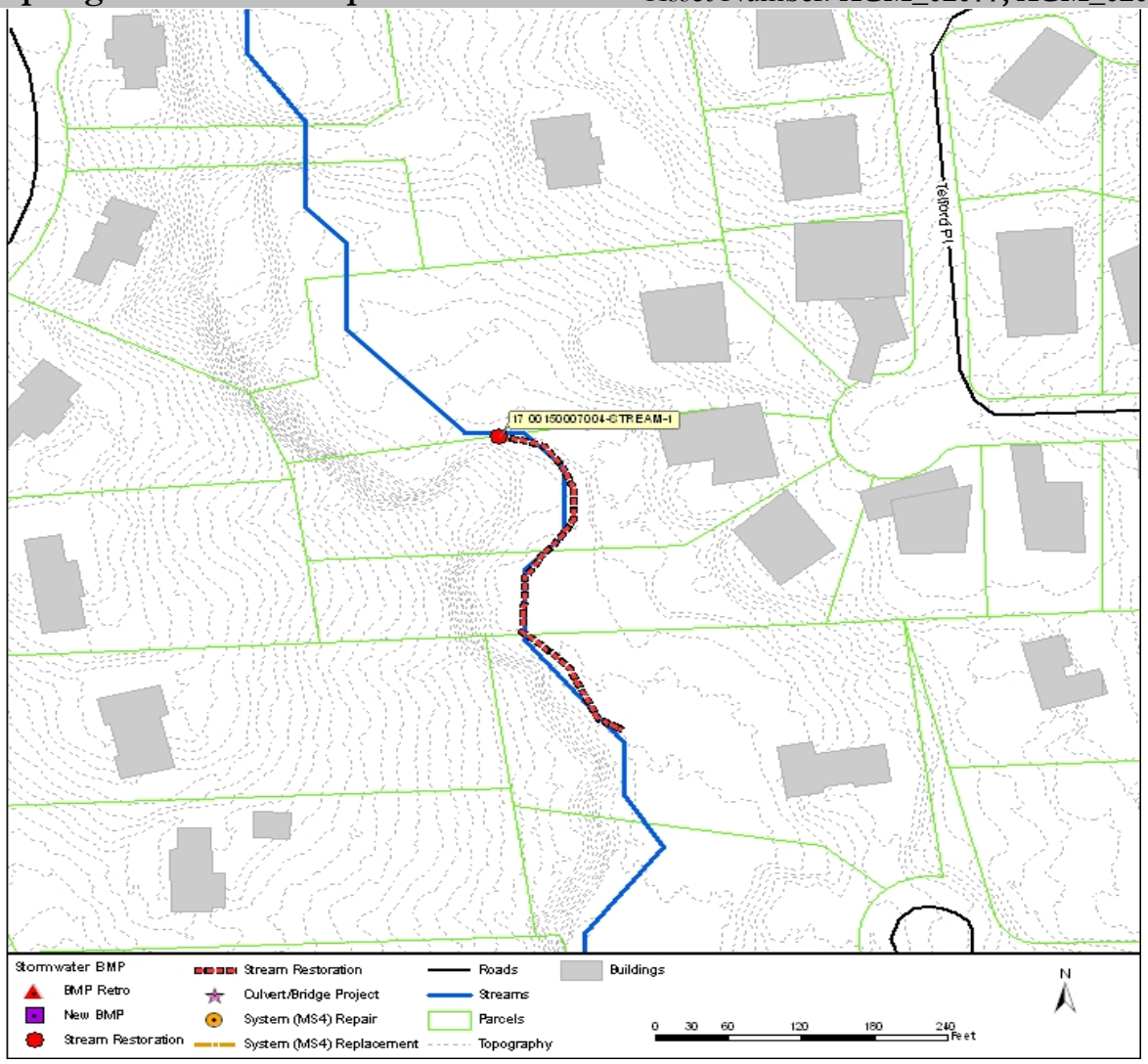

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	537	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:	363	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	50-75% RB
Drainage Area:	135.4	acres	Bank Height:	4.5ft LB	4ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	31	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	16	
Flood Width Over Road:	N/A	ft	Change in Risk:	15	
Structure Type:	N/A		**Benefit/Cost:**	3.81	
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 00160002063-BMP-1**
Asset Number: **AGM_09548**

Benefit/Cost:	3.56	Address:	5675 Peachtree Dunwoody Rd
Estimated Cost:	$229,000	Study Area:	Nancy 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; Woods area near Peachtree Dunwoody Rd. Also, a portion of the BMP footprint is located outside of City Limits. 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. Closest Asset number chosen.

Project Goals

This proposed retrofit will achieve a portion of the channel protection benefits by converting it to a dry extended detention basin and redesigning the outlet control structure.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

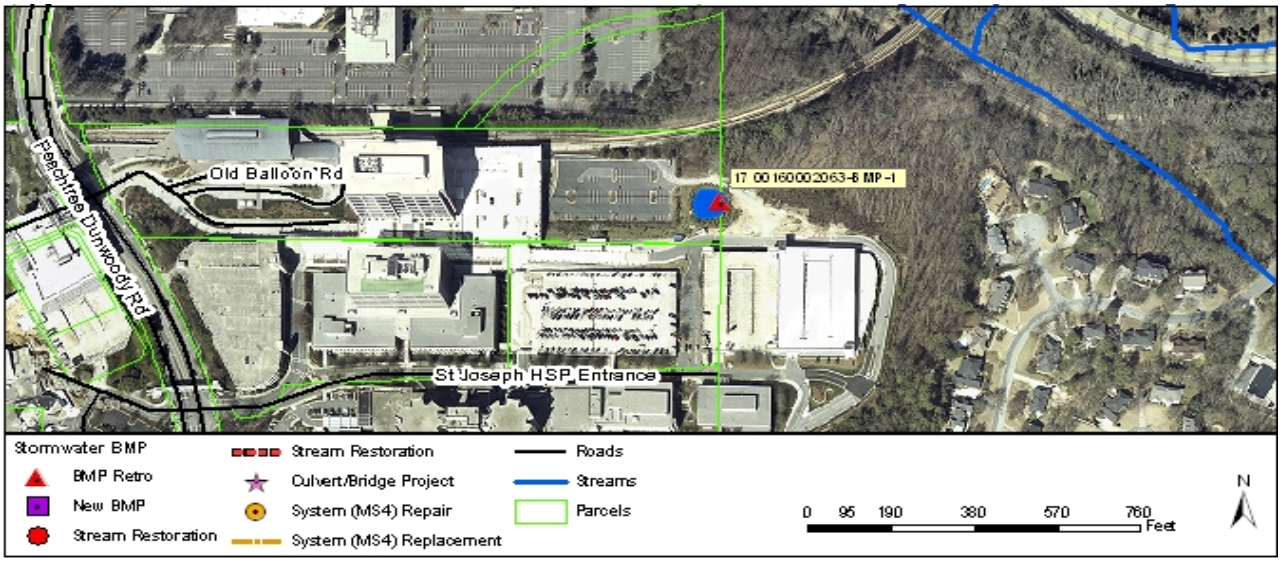

Figure 1 Plan View of Project with Aerial Photography

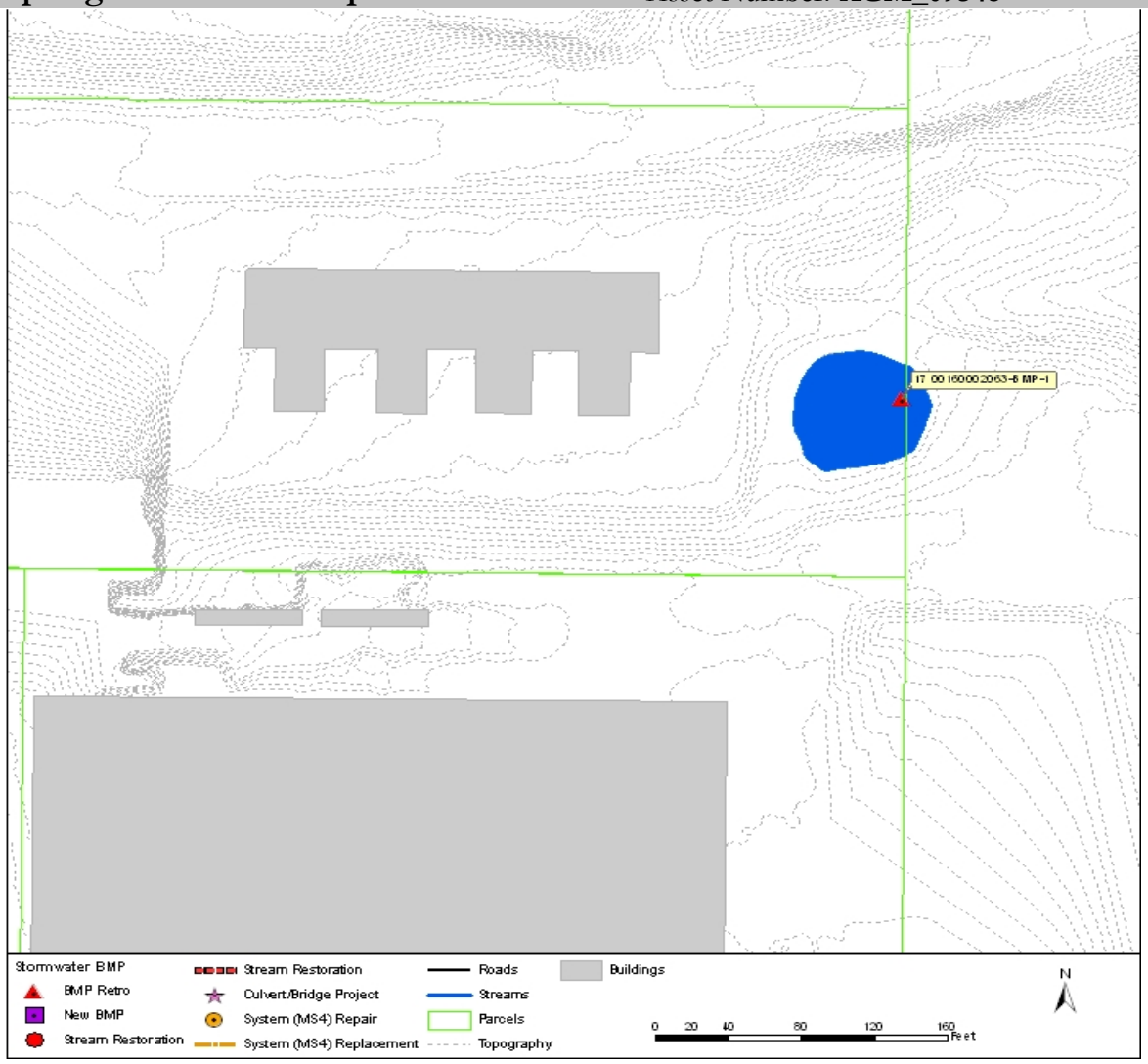

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	508	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	24,226	ft^3
Parcel Ownership:	Private		Potential Volume:	24,226	ft^3
Land Use:	Commercial; Woods		WQ Volume:	13,322	ft^3
			CP Volume:	32,205	ft^3
			25-Year Volume:	42,049	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:	3.6	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:	23	
Flood Width Over Road:	N/A	ft	Change in Risk:	11	
Structure Type:	N/A		**Benefit/Cost:**	3.56	
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 00180002001-BMP-1**
Asset Number: **AGM_05043**

Benefit/Cost:	1.56	Address:	6210 Peachtree Dunwoody Rd
Estimated Cost:	$813,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1/4 acre; Woods - Grass Combination area near Basswood Cir. This BMP is online and may therefore present a permitting difficulty. This project was included in the previous CIP as NC-AO-BMP-8. 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

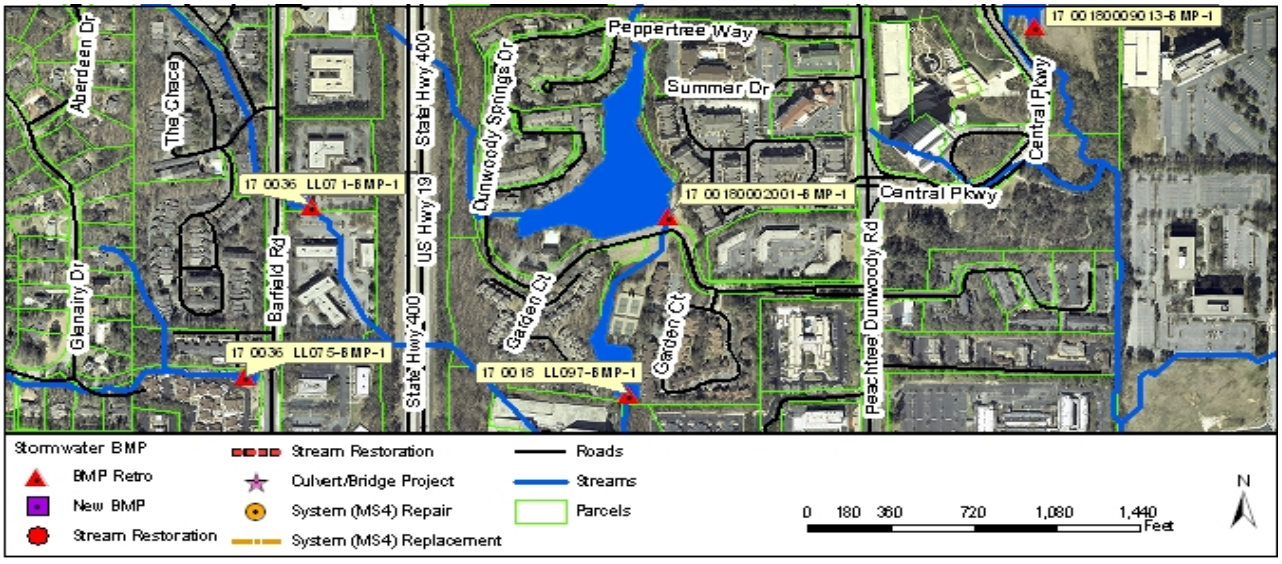

Figure 1 Plan View of Project with Aerial Photography

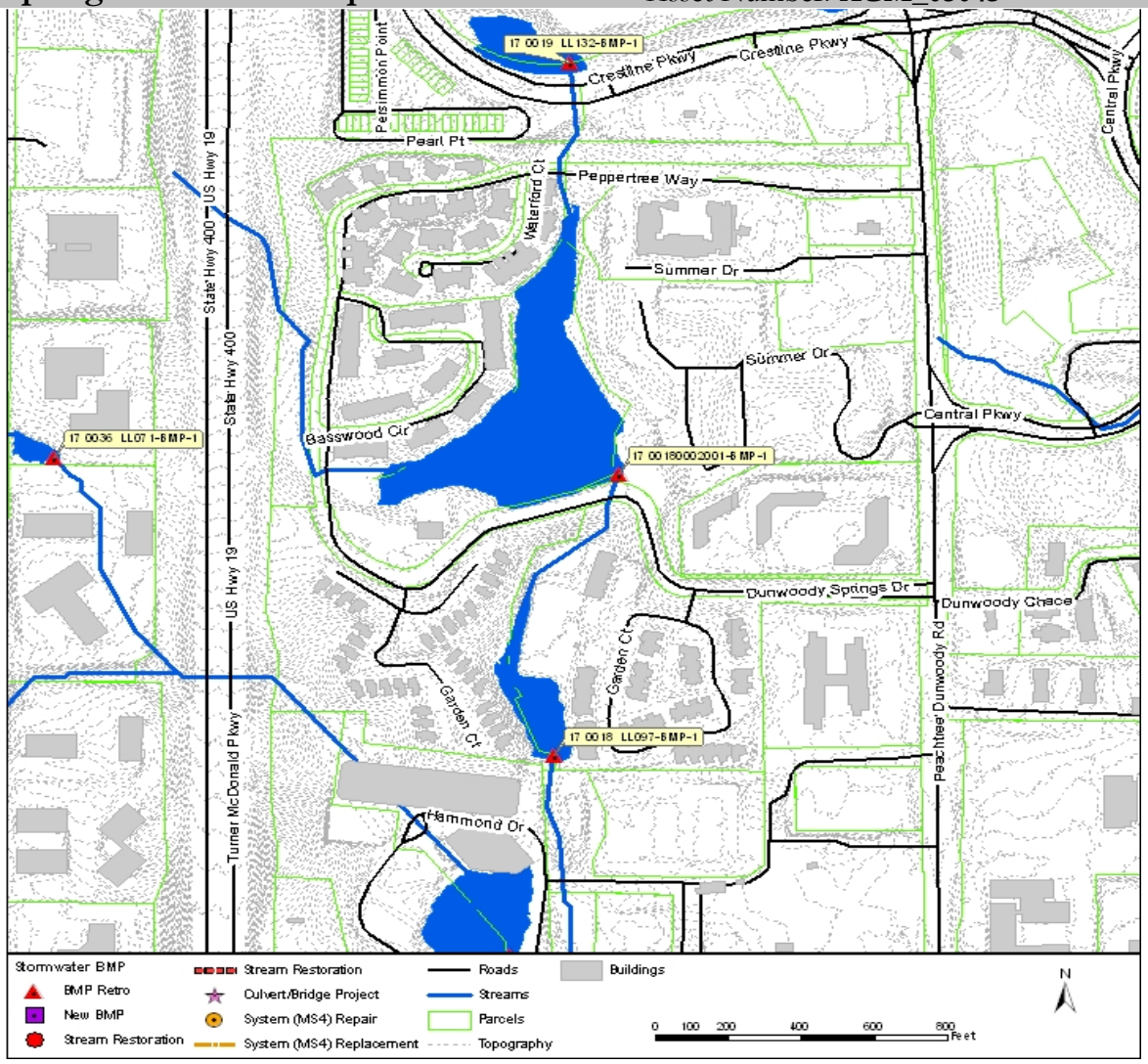

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	269	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	2,990,627	ft^3
Parcel Ownership:	Private		Potential Volume:	2,990,627	ft^3
Land Use:	Residential - 1/4 acre lot size;		WQ Volume:	286,934	ft^3
	Water; Woods - Grass		CP Volume:	857,233	ft^3
	Combination Fair		25-Year Volume:	1,081,508	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:	108.4	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	21	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	12	
Flood Width Over Road:	N/A	ft	Change in Risk:	9	
Structure Type:	N/A		**Benefit/Cost:**	1.56	
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 00180009013-BMP-1**
Asset Number: **AGM_05146**

Benefit/Cost:	3.94	Address:	0 Peachtree Dunwoody Rd
Estimated Cost:	$456,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Commercial; Open Space; Woods - Grass Combination area near Peachtree Dunwoody 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.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

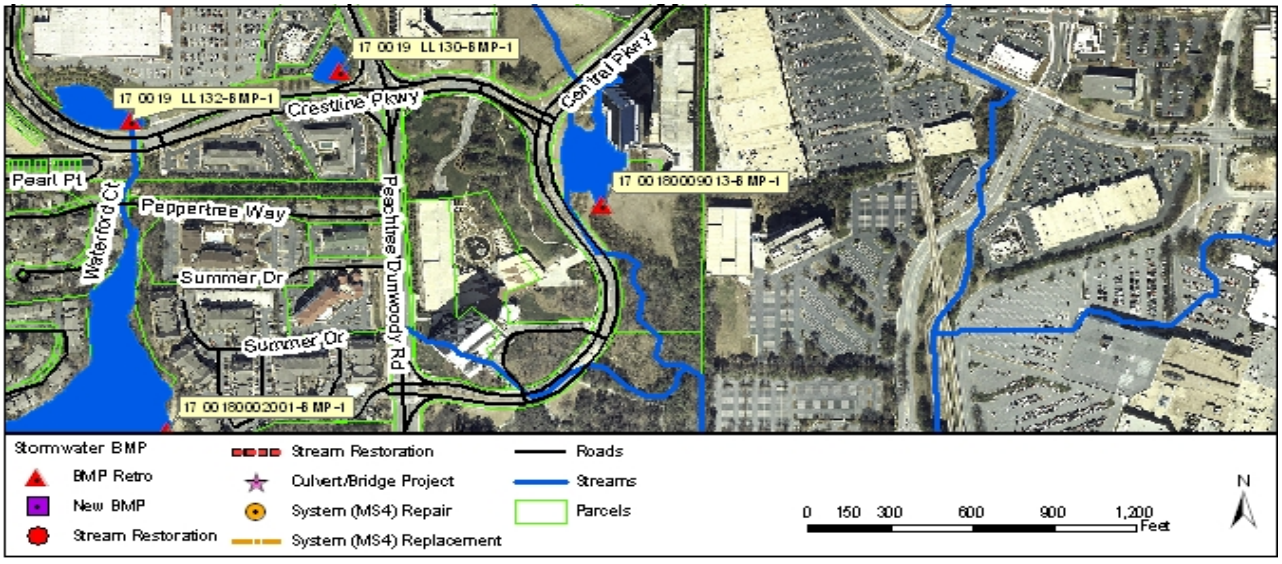

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 00180009013-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_05146**

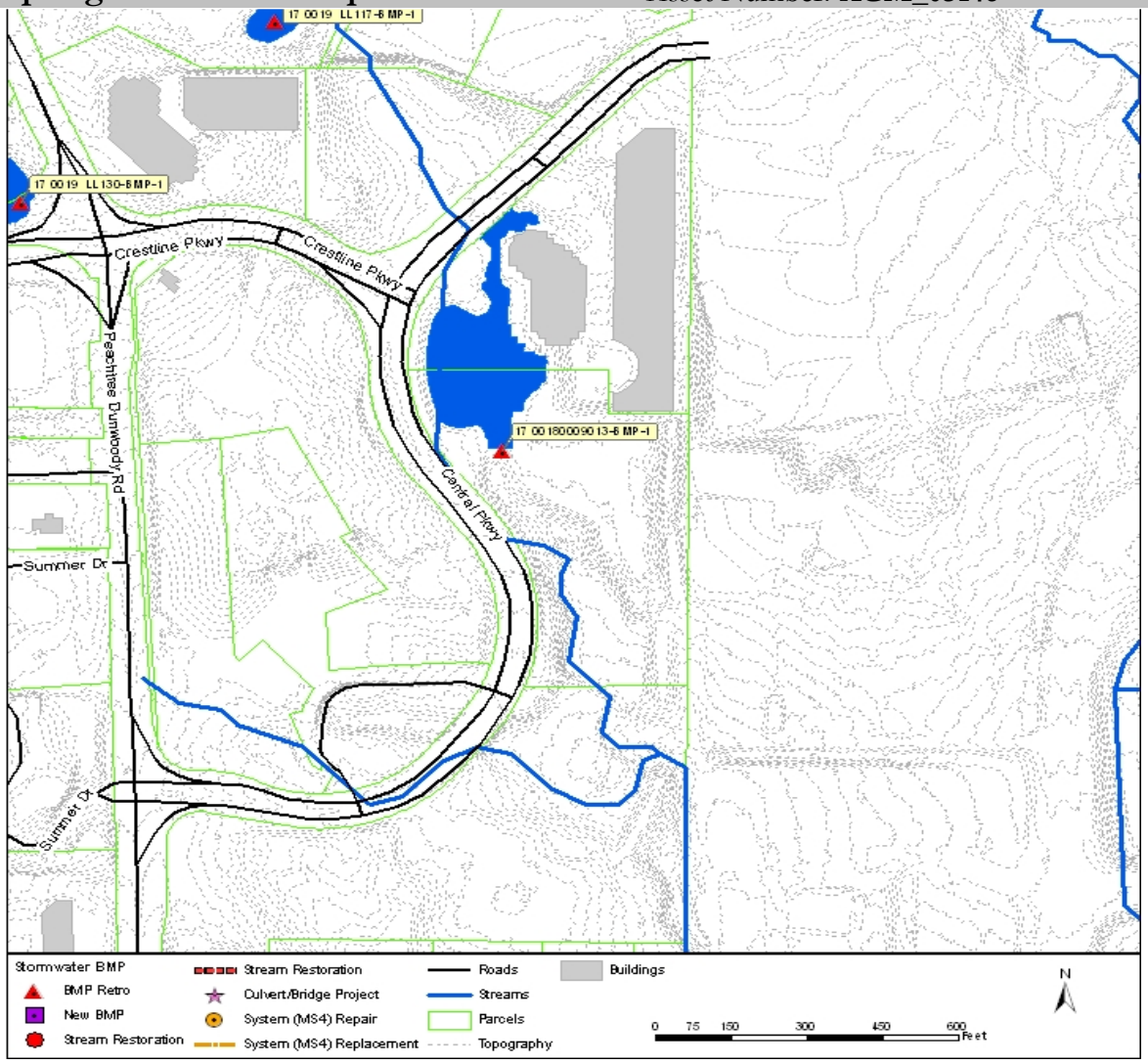

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	335	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	488,613	ft^3
Parcel Ownership:	Private		Potential Volume:	488,613	ft^3
Land Use:	Commercial; Open Space		WQ Volume:	202,735	ft^3
	Good; Water; Woods - Grass		CP Volume:	668,639	ft^3
	Combination Fair		25-Year Volume:	871,645	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:	71.3	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:	17	
Flood Width Over Road:	N/A	ft	Change in Risk:	16	
Structure Type:	N/A		**Benefit/Cost:**	3.94	
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 00360002047-BMP-1**
Asset Number: **AGM_04236**

Benefit/Cost:	2.38	Address:	6025 Glenridge Dr
Estimated Cost:	$348,000	Study Area:	Nancy 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 Glenridge Dr. 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

No photo available

Photo 2

No photo available

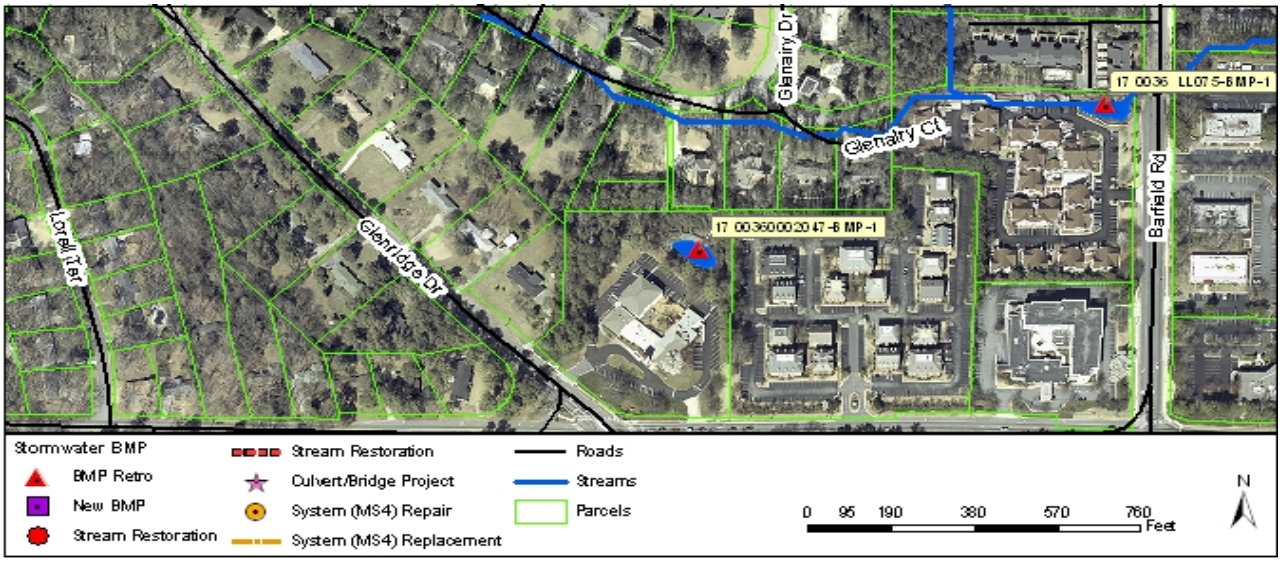

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 00360002047-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_04236**

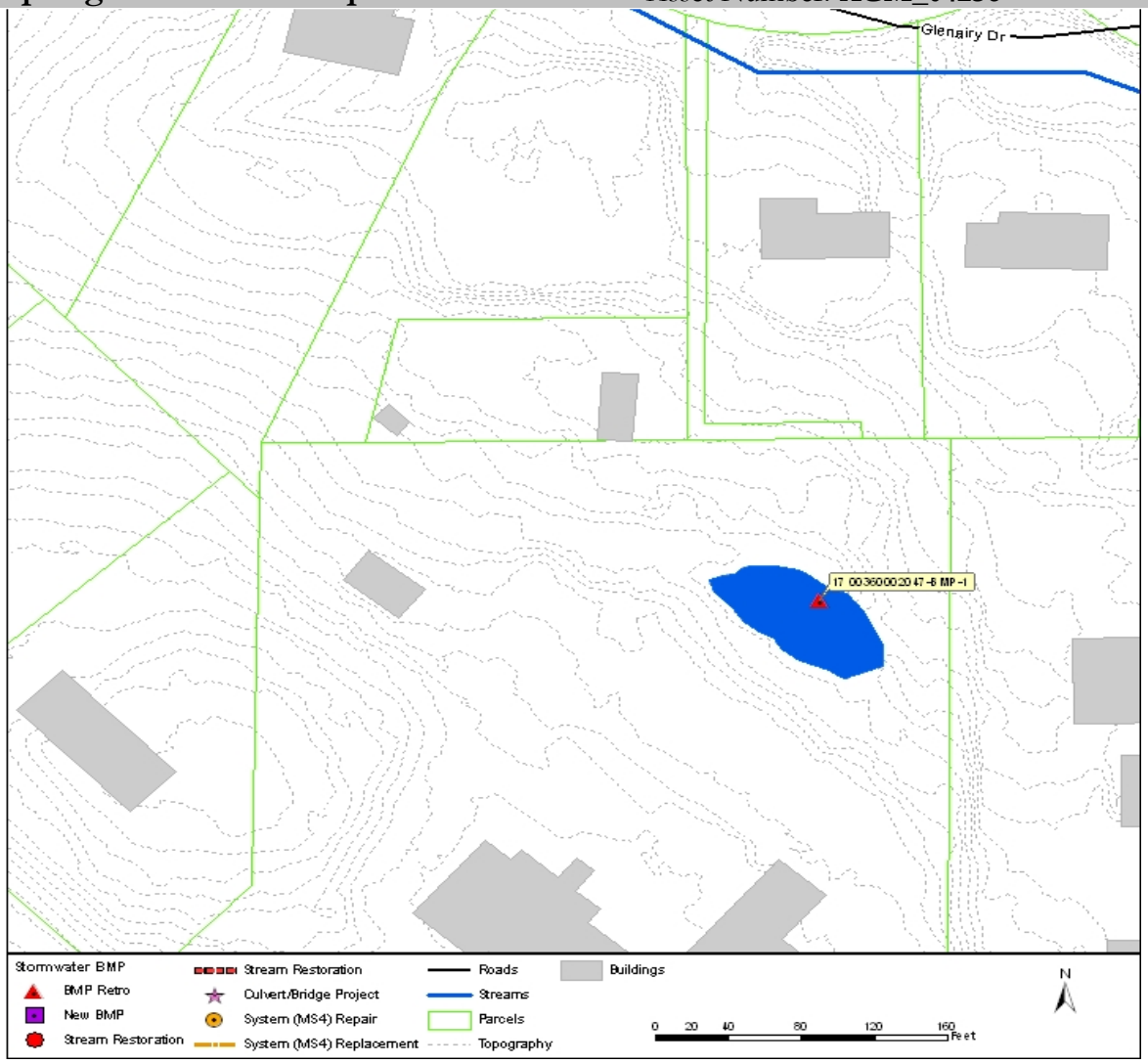

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3		TSS Yield:	525	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	13,161	ft^3
Parcel Ownership:	Private		Potential Volume:	13,161	ft^3
Land Use:	Commercial		WQ Volume:	2,467	ft^3
			CP Volume:	11,184	ft^3
			25-Year Volume:	14,653	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:	1.2	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:**	2.38	
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 00380001117-BMP-1**
Asset Number: **AGM_04766**

Benefit/Cost:	6.82	Address:	0 Royervista Dr
Estimated Cost:	$414,000	Study Area:	Nancy 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 Royervista 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 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

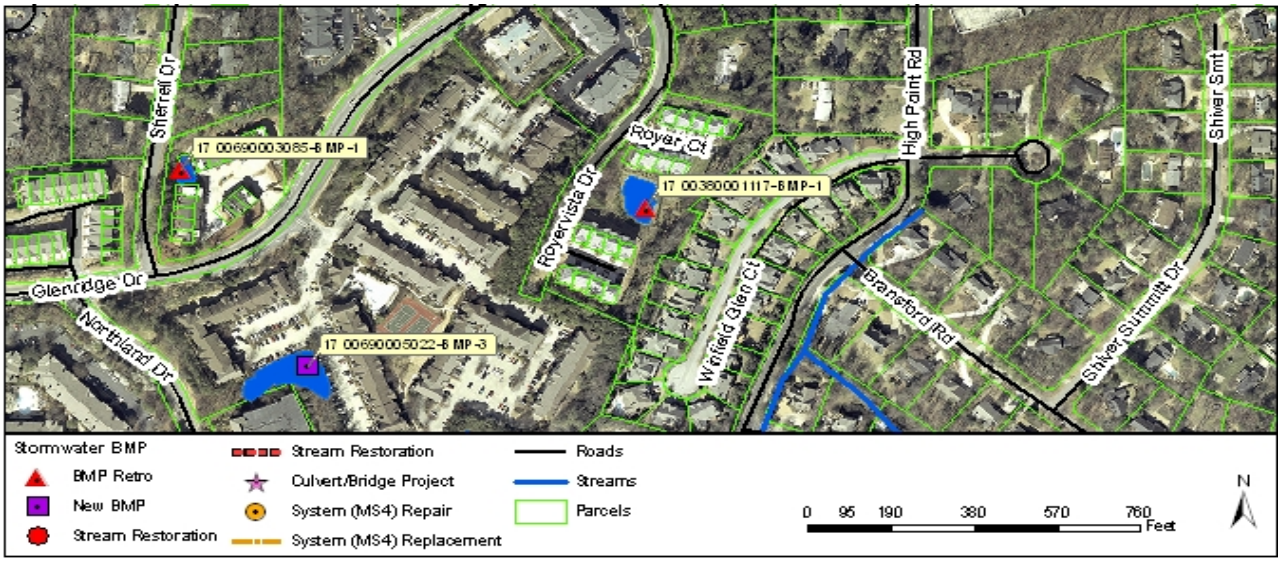

Figure 1 Plan View of Project with Aerial Photography

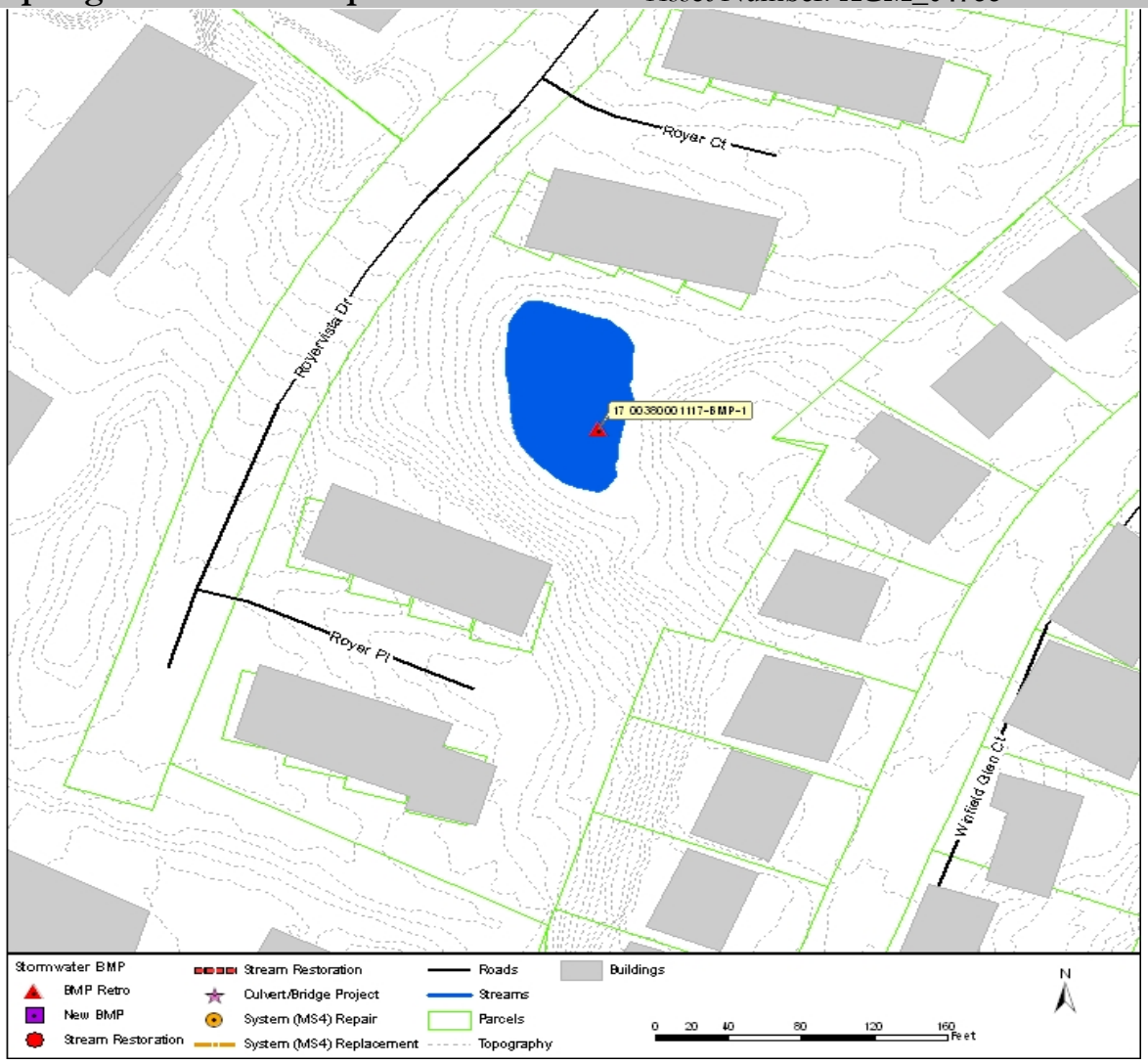

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	474	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	25,112	ft^3
Parcel Ownership:	Private		Potential Volume:	50,223	ft^3
Land Use:	Commercial		WQ Volume:	21,209	ft^3
			CP Volume:	79,132	ft^3
			25-Year Volume:	119,047	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:	8.7	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:	10	
Flood Width Over Road:	N/A	ft	Change in Risk:	27	
Structure Type:	N/A		**Benefit/Cost:**	6.82	
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 00380002058-STREAM-1**
Asset Number: **AGM_04737, AGM_02408**

Benefit/Cost:	5.59	Address:	110 Tamarisk Dr
Estimated Cost:	$263,000	Study Area:	Nancy Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 3 restoration is proposed where tall, steep banks are collapsing. The stream is incised and widened and both banks lack vegetation. Banks need stabilization and sloping. 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 to decrease suspended sediment loads and improve water quality and instream habitat. Establish and protect a vegetated buffer along the stream. Restore proper dimension, pattern, and profile so the channel will move water and sediment without aggrading or degrading while also considering flood hazards.

Photos and Maps

Photo 1

Photo 2

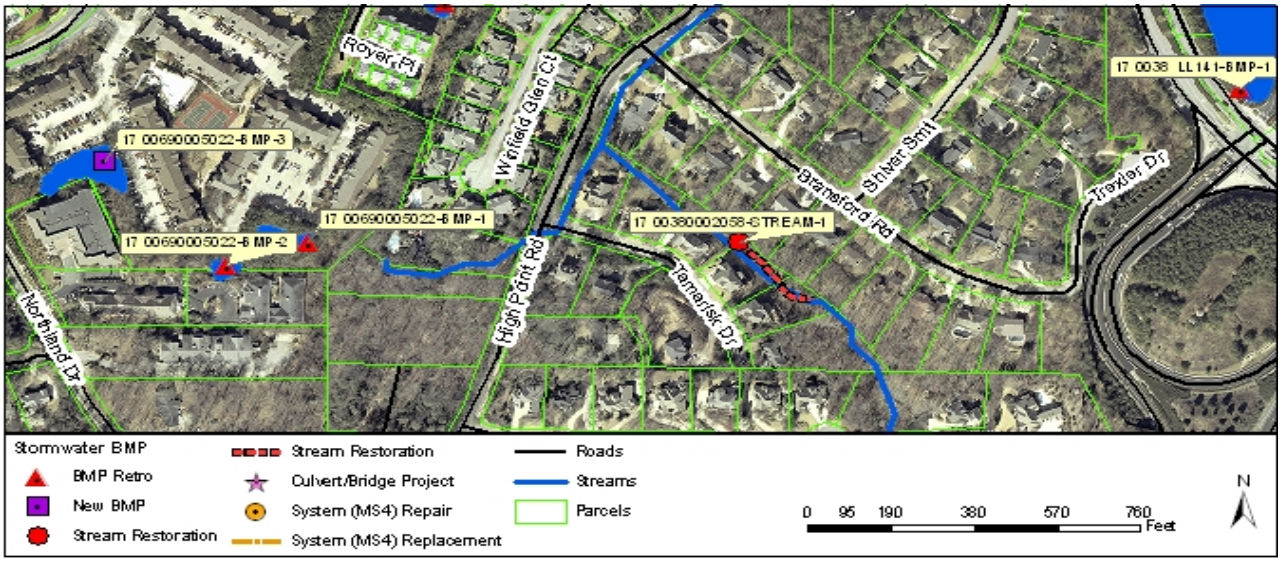

Figure 1 Plan View of Project with Aerial Photography

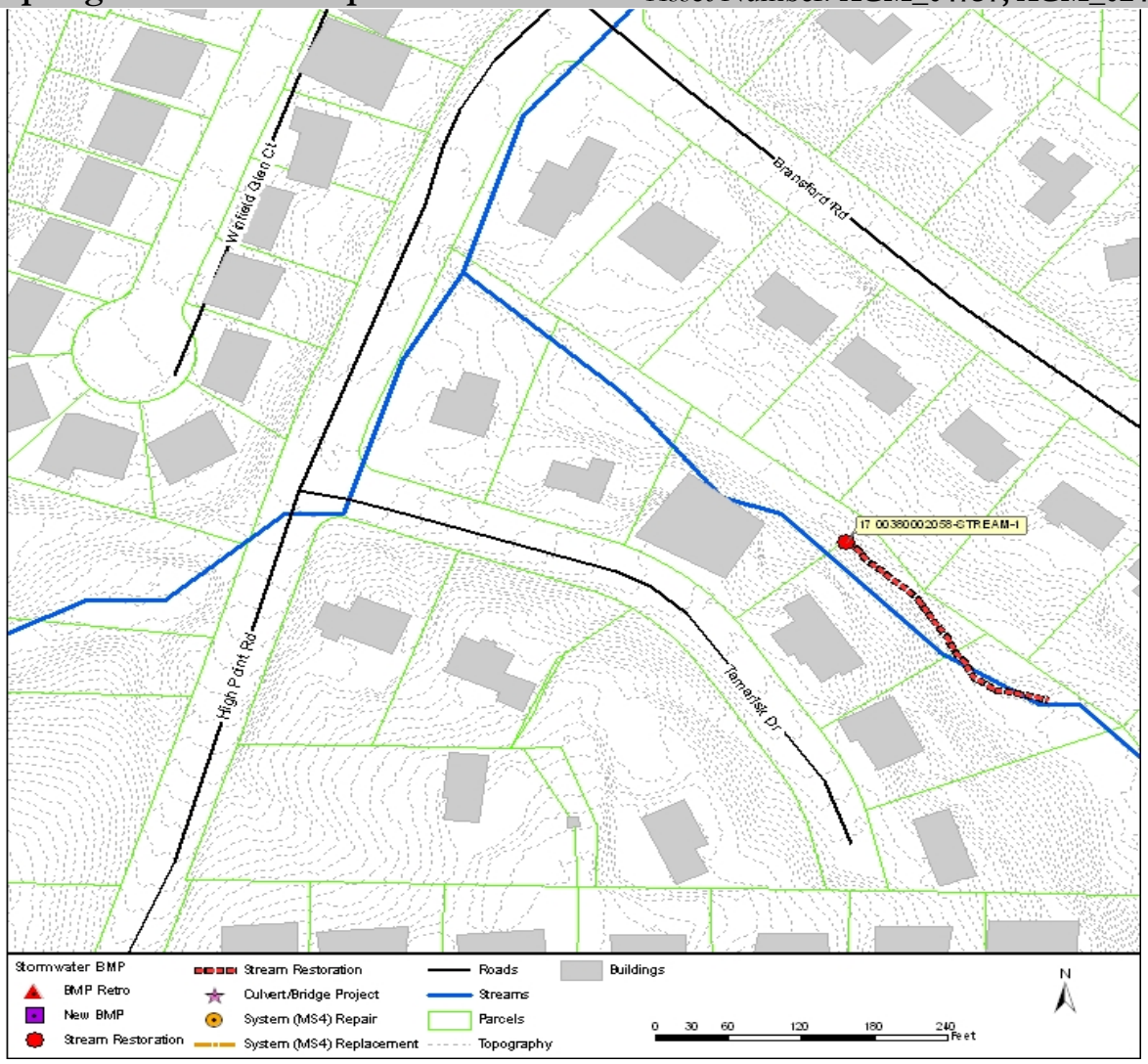

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	764	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 - 1/2 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:	235	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	75-100% RB
Drainage Area:	87.5	acres	Bank Height:	12ft LB	12ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	38	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	16	
Flood Width Over Road:	N/A	ft	Change in Risk:	22	
Structure Type:	N/A		**Benefit/Cost:**	5.59	
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 00390002045-STREAM-1**
Asset Number: **AGM_02252, AGM_02215**

Benefit/Cost:	3.40	Address:	225 Sheidan Point Lane
Estimated Cost:	$483,000	Study Area:	Nancy Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 3 restoration is proposed for approximately 500 feet of stream. The banks are tall and steep and no adequate buffer is present. Banks need stabilization and sloping. Right banks have high erosion scores. 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 to decrease suspended sediment loads and improve water quality and instream habitat. Establish and protect a vegetated buffer along the stream. Restore proper dimension, pattern, and profile so the channel will move water and sediment without aggrading or degrading while also considering flood hazards.

Photos and Maps

Photo 1

Photo 2

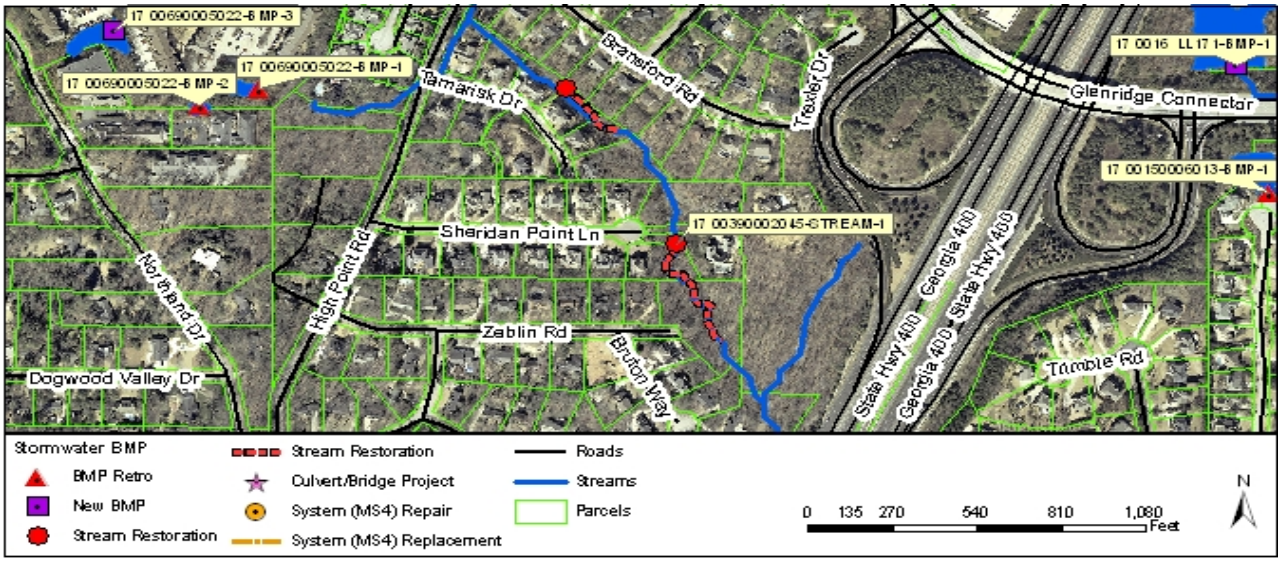

Figure 1 Plan View of Project with Aerial Photography

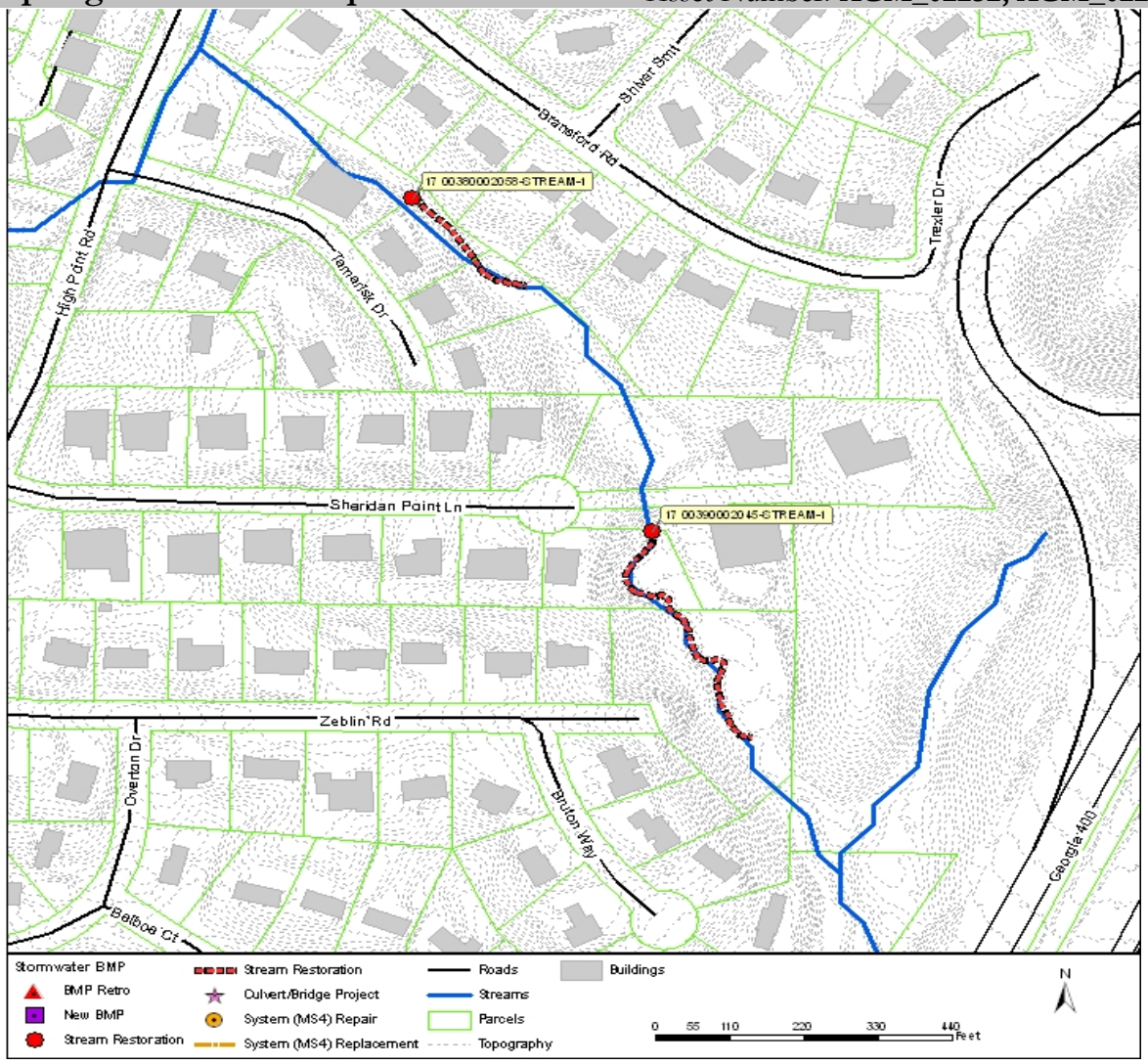

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	1,539	lb/ac/yr
Asset Ownership:	Not Applicable		Existing Volume:	N/A	ft^3
Parcel Ownership:	County, Private		Potential Volume:	N/A	ft^3
Land Use:	Residential - 1/2 acre lot size; Woods		WQ Volume:	N/A	ft^3
			CP Volume:	N/A	ft^3
			25-Year Volume:	N/A	ft^3
			Stream Project Length:	482	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	75-100% RB
Drainage Area:	105.5	acres	Bank Height:	5ft LB	4ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	31	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	18	
Flood Width Over Road:	N/A	ft	Change in Risk:	14	
Structure Type:	N/A		**Benefit/Cost:**	3.40	
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 00390002047-BMP-1**
Asset Number: **AGM_02209**

Benefit/Cost:	2.00	Address:	280 Bruton Way
Estimated Cost:	$523,000	Study Area:	Nancy 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 Bruton Way. 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. 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

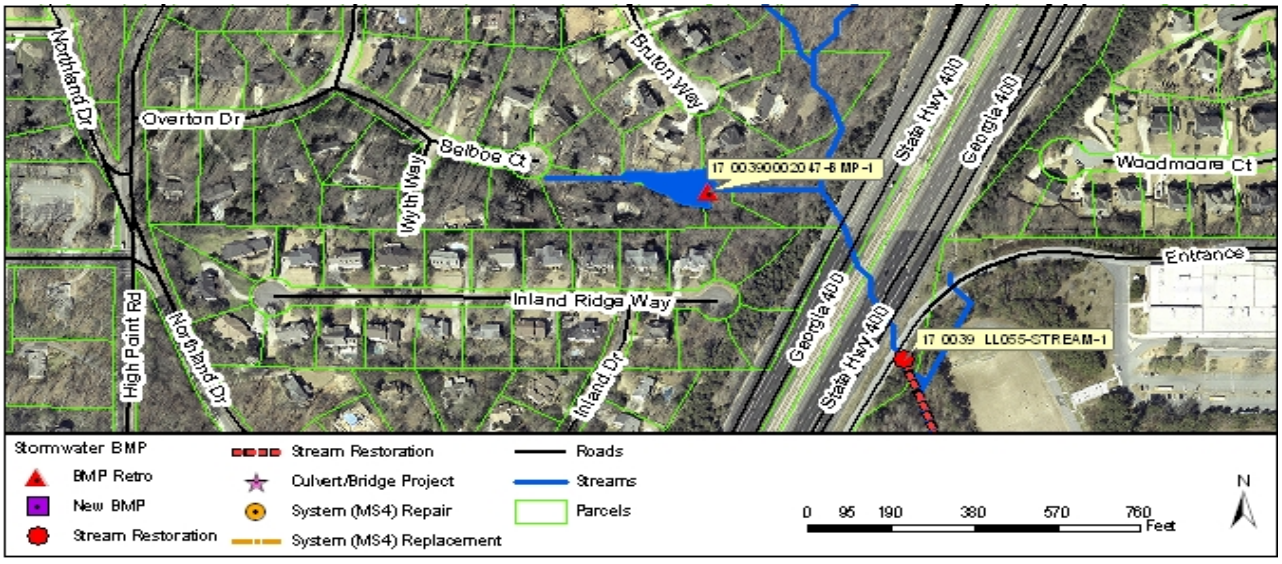

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 00390002047-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_02209**

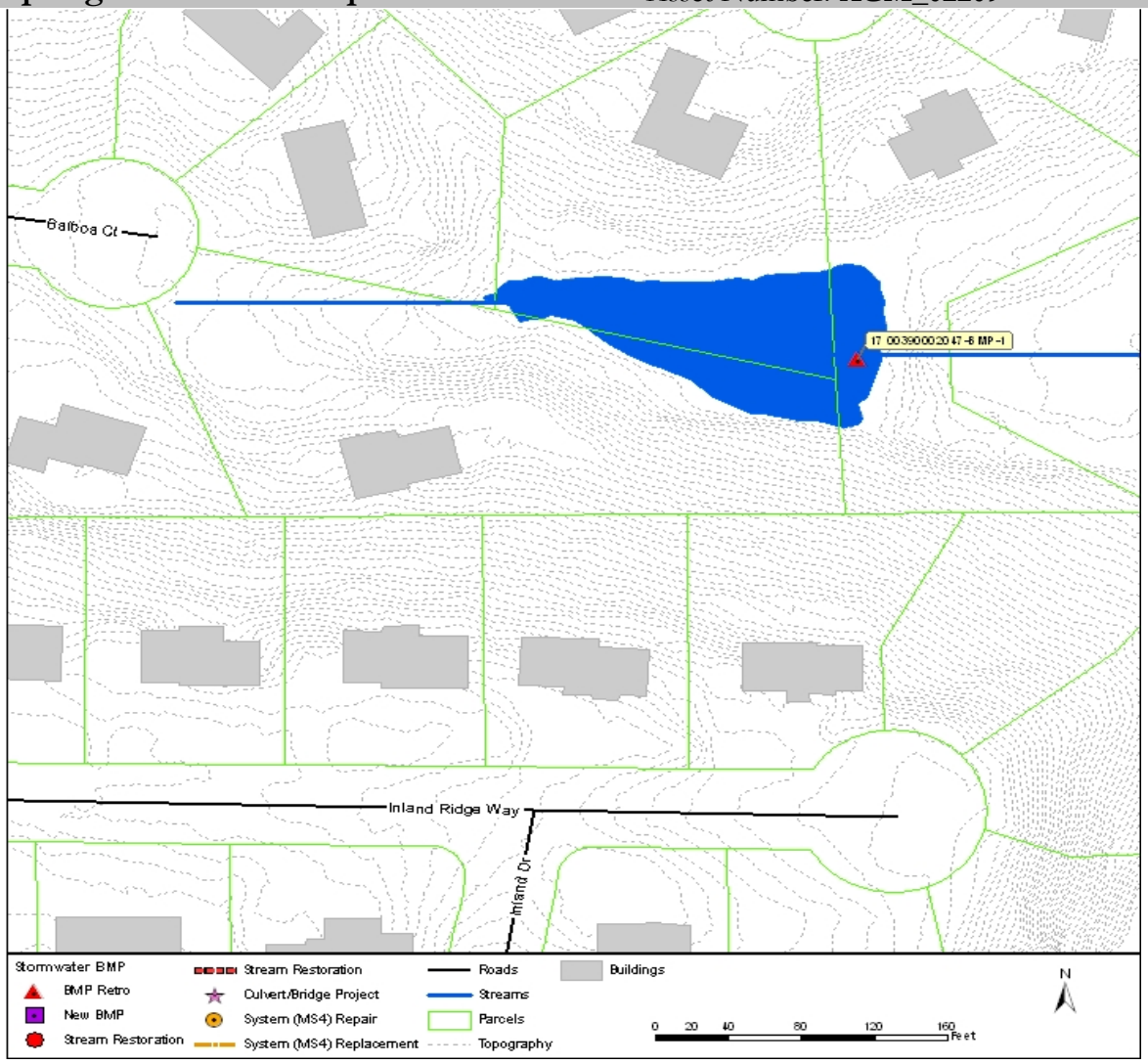

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	176	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	46,328	ft^3
Parcel Ownership:	Private		Potential Volume:	69,492	ft^3
Land Use:	Residential - 1/2 acre lot size; Water		WQ Volume:	52,105	ft^3
			CP Volume:	131,975	ft^3
			25-Year Volume:	146,743	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:	32.0	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500		Existing Risk:	24	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	14	
Flood Width Over Road:	N/A	ft	Change in Risk:	10	
Structure Type:	N/A		**Benefit/Cost:**	2.00	
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 00400003002-BMP-1**
Asset Number: **AGM_02493**

Benefit/Cost:	0.85	Address:	4867 Northland Dr Ne
Estimated Cost:	$281,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

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

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

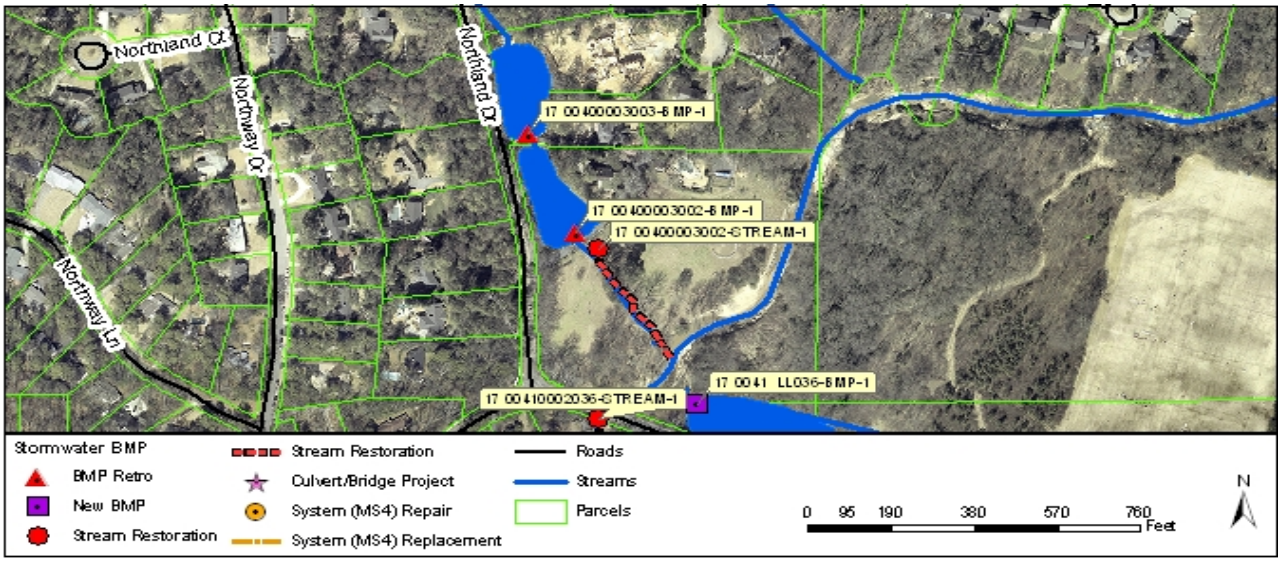

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 00400003002-BMP-1**

Sandy Springs Watershed Improvement Plan Asset Number: **AGM_02493**

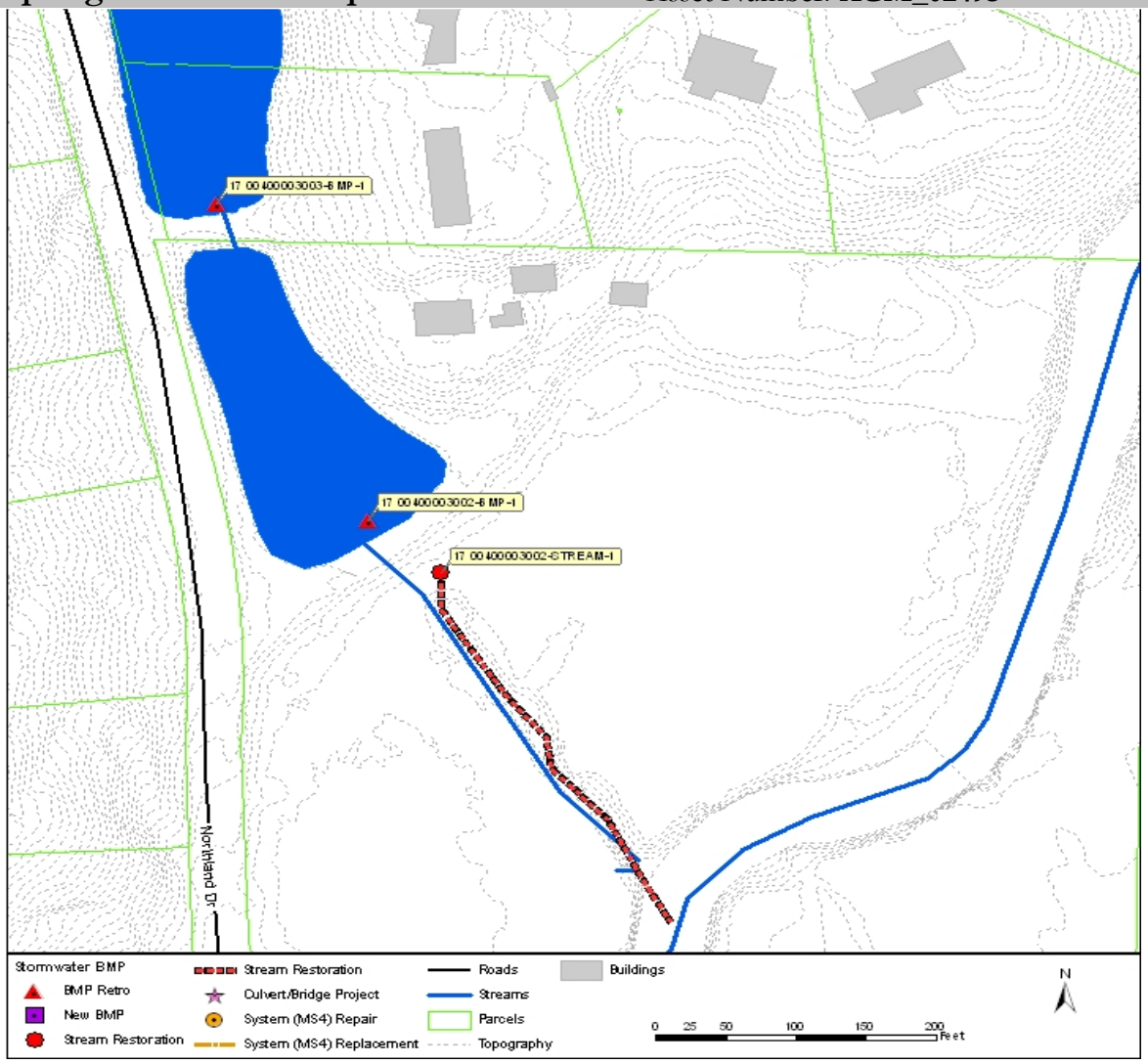

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	143	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	168,465	ft^3
Parcel Ownership:	Private		Potential Volume:	168,465	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	148,274	ft^3
			CP Volume:	474,756	ft^3
			25-Year Volume:	526,913	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:	103.3 acres		Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	AE, X500		Existing Risk:	27	
Max Flood Depth Over Road:	N/A ft		Proposed Risk:	23	
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 00400003002-STREAM-1**
Asset Number: **AGM_02499, AGM_02578**

Benefit/Cost: 2.92
Estimated Cost: $338,000
Address: 4867 Northland Dr Ne
Study Area: Nancy Creek
Proposed Project Type: Stream Restoration

Project Description

Approximatey 350 feet of level 3 stream restoration are proposed on stream that flows through a horse farm. The stream is incised and has extremely steep banks that are approximately 9 feet high. Bank erosion on left and right banks exceeds 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.

Project Goals

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

Photos and Maps

Photo 1

Photo 2

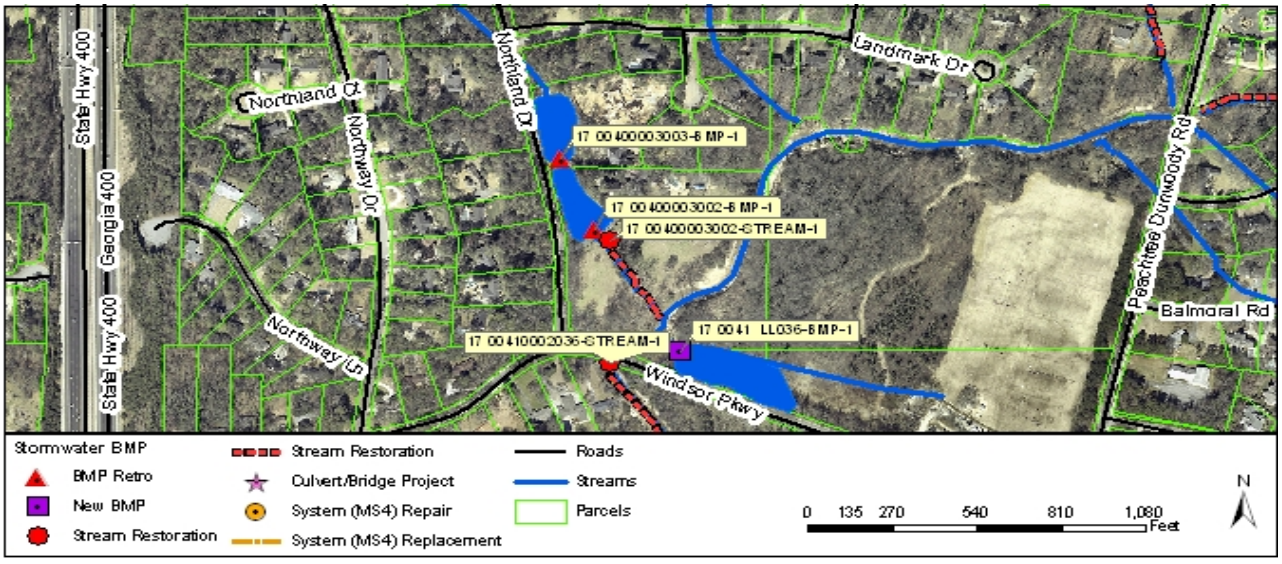

Figure 1 Plan View of Project with Aerial Photography

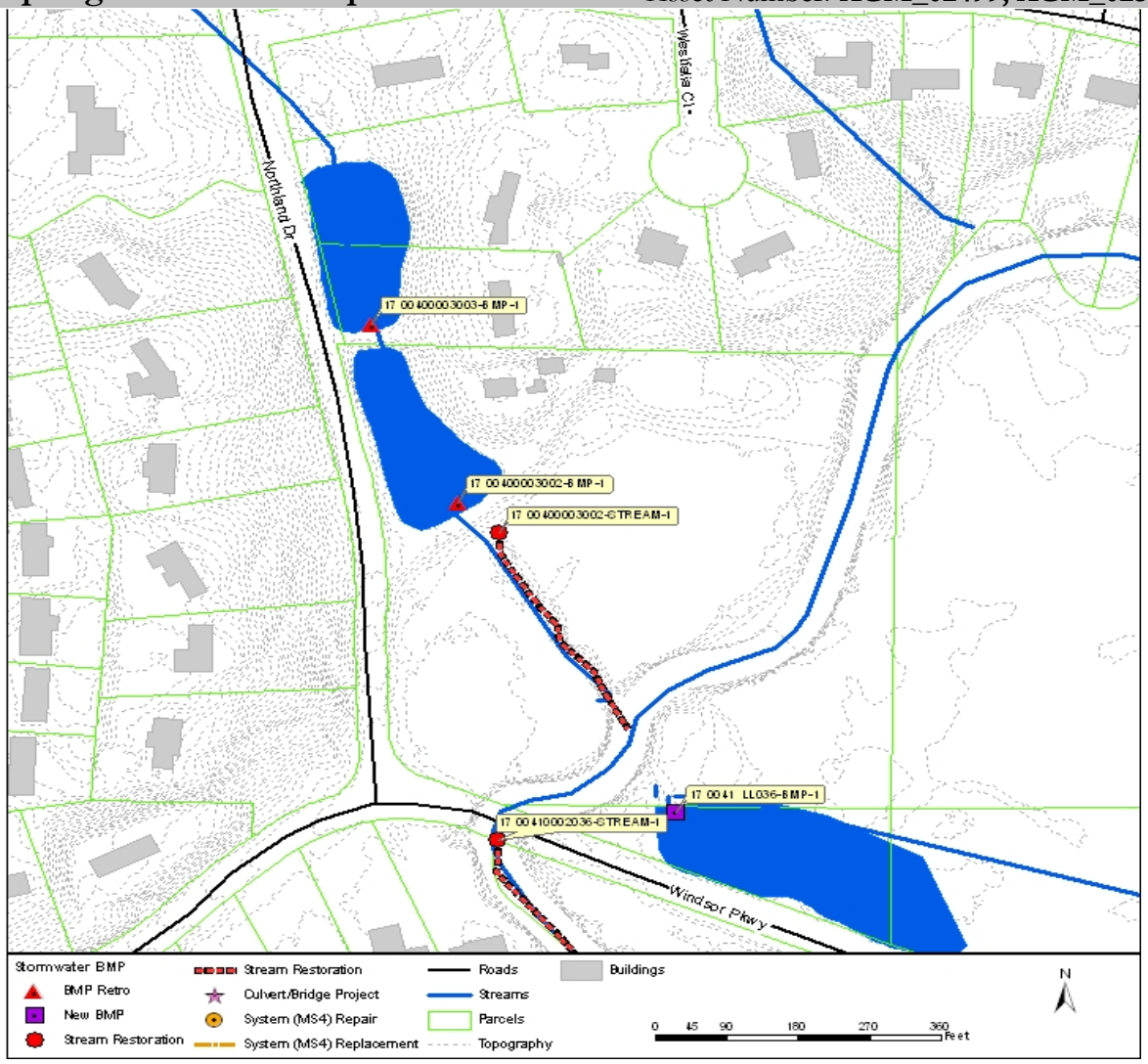

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	149	lb/ac/yr
Asset Ownership:	Not Applicable		Existing Volume:	N/A	ft^3
Parcel Ownership:	Private		Potential Volume:	N/A	ft^3
Land Use:	Water; 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:	339	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	75-100% RB
Drainage Area:	103.3	acres	Bank Height:	9ft LB	9ft RB
FEMA Flood Hazard Zone:	AE, AE-FLOODWAY		Existing Risk:	16	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	4	
Flood Width Over Road:	N/A	ft	Change in Risk:	12	
Structure Type:	N/A		**Benefit/Cost:**	2.92	
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 00400003003-BMP-1**
Asset Number: **AGM_02488**

Benefit/Cost:	2.37	Address:	4875 Northland Dr Ne
Estimated Cost:	$1,184,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

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

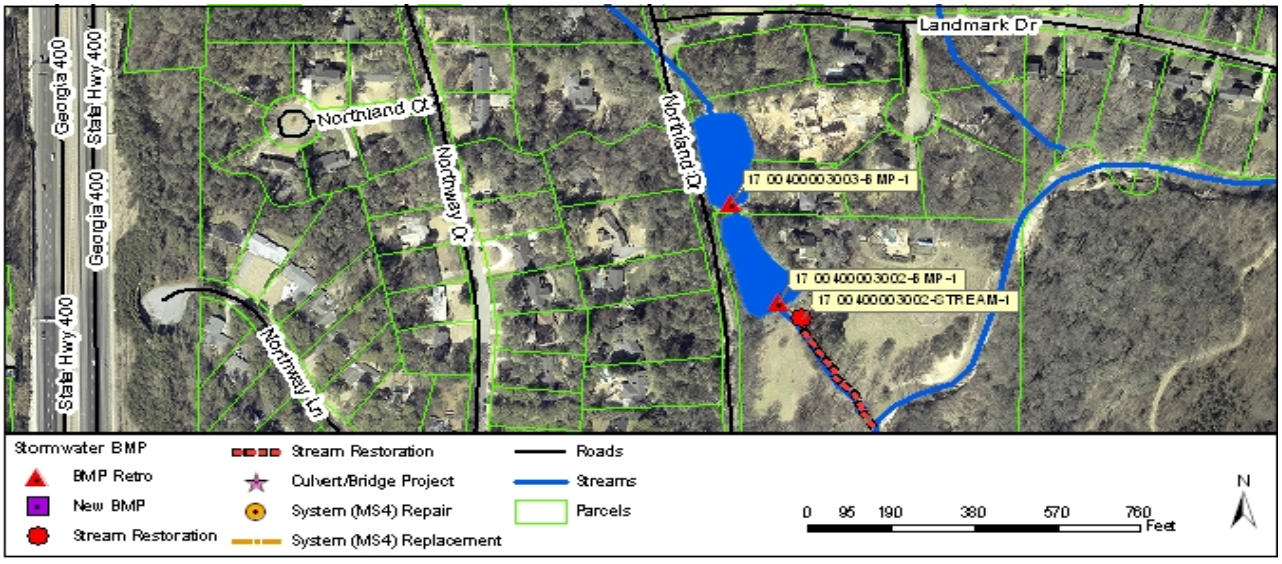

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 00400003003-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_02488**

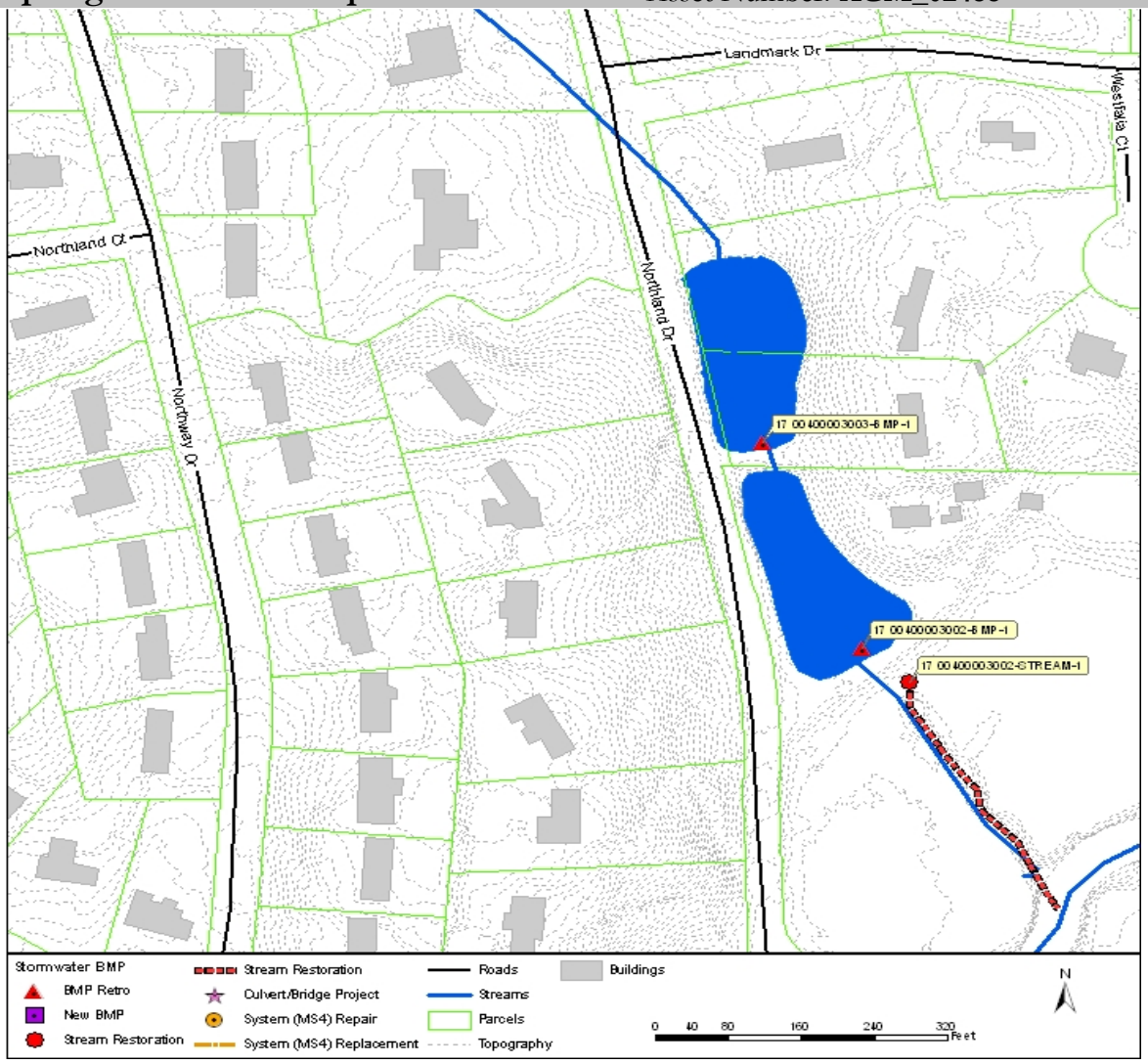

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	301	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	155,507	ft^3
Parcel Ownership:	City, Private		Potential Volume:	272,137	ft^3
Land Use:	Residential - 1 acre lot size; Water		WQ Volume:	143,029	ft^3
			CP Volume:	458,095	ft^3
			25-Year Volume:	508,819	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:	99.6	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:	19	
Flood Width Over Road:	N/A	ft	Change in Risk:	17	
Structure Type:	N/A		**Benefit/Cost:**	2.37	
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 00410002036-STREAM-1**
Asset Number: **AGM_00302, AGM_00217**

Benefit/Cost:	1.95	Address:	845 Windsor Pky Ne
Estimated Cost:	$1,305,000	Study Area:	Nancy Creek
		Proposed Project Type:	Stream Restoration

Project Description

This level 3 stream restoration starts just downstream of Windsor Parkway where bank stabilization is needed. The right bank is scoured adjacent to bridge and is encroaching on private property. For approximately 1400 feet, the banks are high and covered with rip rap in places. Heavy sediment bed load resulting in stream aggradation. This project is part of the original CIP (Project ID NC-NC-STM-4). A Level 3 approach includes restoring the degraded channel to a stable condition at existing grade and providing a floodprone area within the channel.

Project Goals

Stabilize streambanks to reduce streambank erosion to decrease suspended sediment load and improve water quality and instream habitat. Establish and protect a vegetated buffer along the stream. Restore proper dimension, pattern, and profile so the channel will move water and sediment without aggrading or degrading while also considering flood hazards.

Photos and Maps

Photo 1

Photo 2

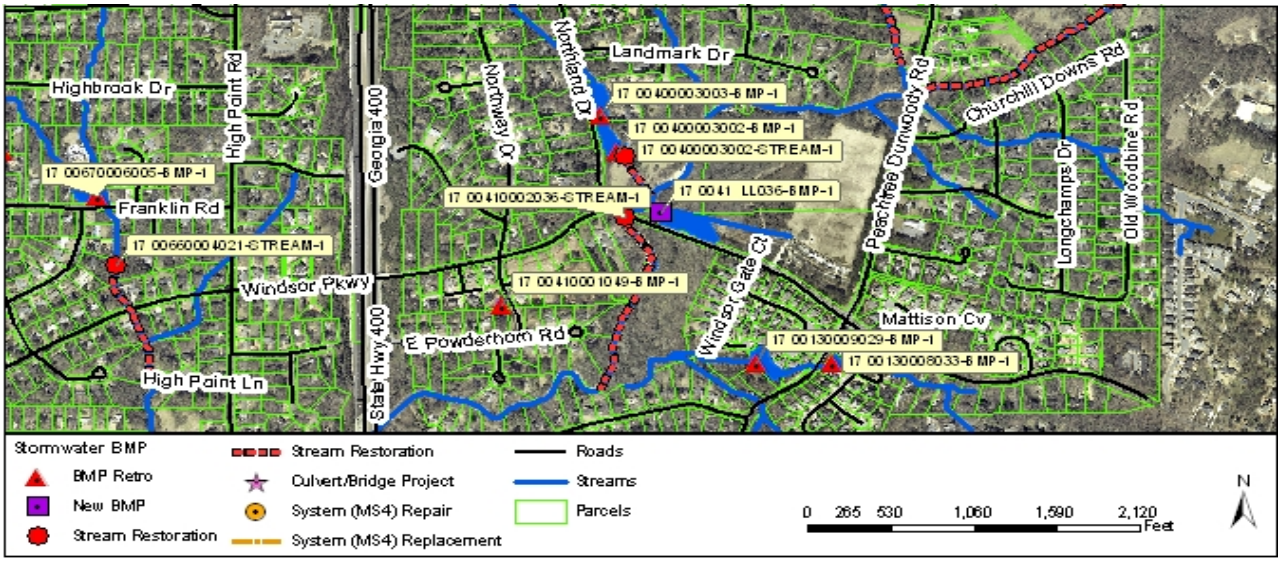

Figure 1 Plan View of Project with Aerial Photography

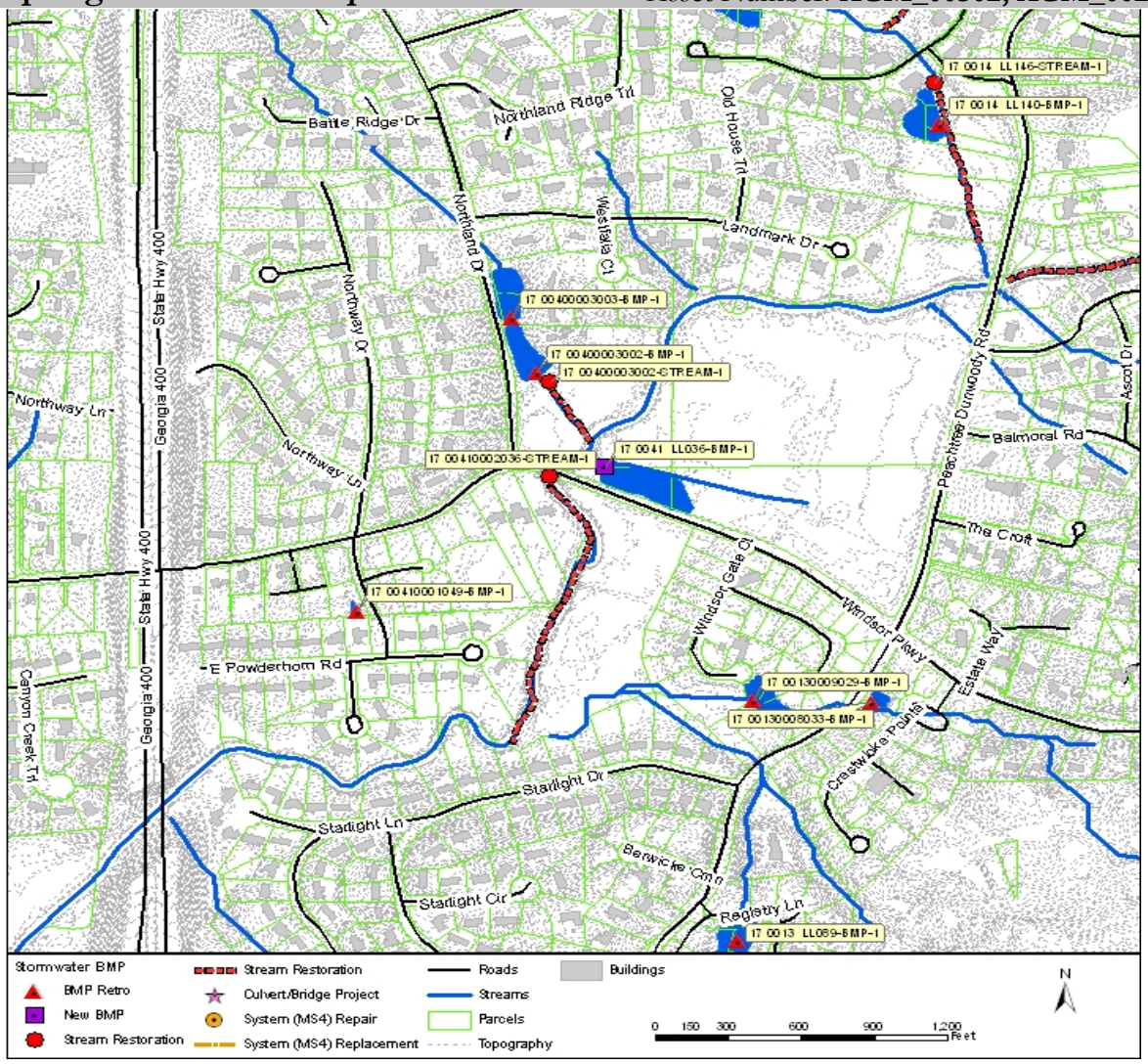

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	124	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 - 1/2 acre lot size;		WQ Volume:	N/A	ft^3
	Water; Woods - Grass		CP Volume:	N/A	ft^3
	Combination Fair		25-Year Volume:	N/A	ft^3
			Stream Project Length:	1,400	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	4	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	25-50% LB	0-25% RB
Drainage Area:	7,132.1 acres		Bank Height:	12ft LB	12ft RB
FEMA Flood Hazard Zone:	AE-FLOODWAY		Existing Risk:	26	
Max Flood Depth Over Road:	N/A ft		Proposed Risk:	12	
Flood Width Over Road:	N/A ft		Change in Risk:	14	
Structure Type:	N/A		**Benefit/Cost:**	1.95	
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 00660001011-STREAM-2**
Asset Number: **AGM_00867, AGM_00899**

Benefit/Cost:	5.29	Address:	4632 Dalmer Rd Ne
Estimated Cost:	$674,000	Study Area:	Nancy Creek
		Proposed Project Type:	Stream Restoration

Project Description

This stream restoration starts on the downstream side of Windsor Parkway where a large scour pool has developed downstream of the culvert. The stream has undercut the culvert and the drop down to water surface is approximately 2 feet. Banks are eroded and lack vegetation in some areas. Priority 2 and 3 restoration can be used from Windsor Parkway downstream until retaining walls are present on both sides of the stream near Pine Forest Road. Houses and fences are very close to the stream for the first 200 feet then there is space on right bank to move the stream. This project is part of the original CIP (Project ID NC-AC-BMP-3).

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 5		TSS Yield:	870	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 - 1/3 acre lot size; Woods		WQ Volume:	N/A	ft^3
			CP Volume:	N/A	ft^3
			25-Year Volume:	N/A	ft^3
			Stream Project Length:	592	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	75-100% RB
Drainage Area:	118.8	acres	Bank Height:	4ft LB	5ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	42	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	16	
Flood Width Over Road:	N/A	ft	Change in Risk:	26	
Structure Type:	N/A		**Benefit/Cost:**	5.29	
Pipe Size:	N/A	ft			
Structure/Pipe Age:	N/A				
Structure/Pipe Conditions:	N/A				

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 00660004021-STREAM-1**
Asset Number: **AGM_00810, AGM_00773**

Benefit/Cost: 4.60
Estimated Cost: $801,000
Address: 4770 Chatworth Court NE
Study Area: Nancy 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. Spot repair is needed where bank is collapsing under a very large tree. The right bank is aprpoximately 20 feet high in some locations. Bank stabilization is needed downstream of Windsor Parkway. 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 to decrease suspended sediment loads and improve water quality and instream habitat. Establish and protect a vegetated buffer along the stream. Restore proper dimension, pattern, and profile so the channel will move water and sediment without aggrading or degrading while also considering flood hazards.

Photos and Maps

Photo 1

Photo 2

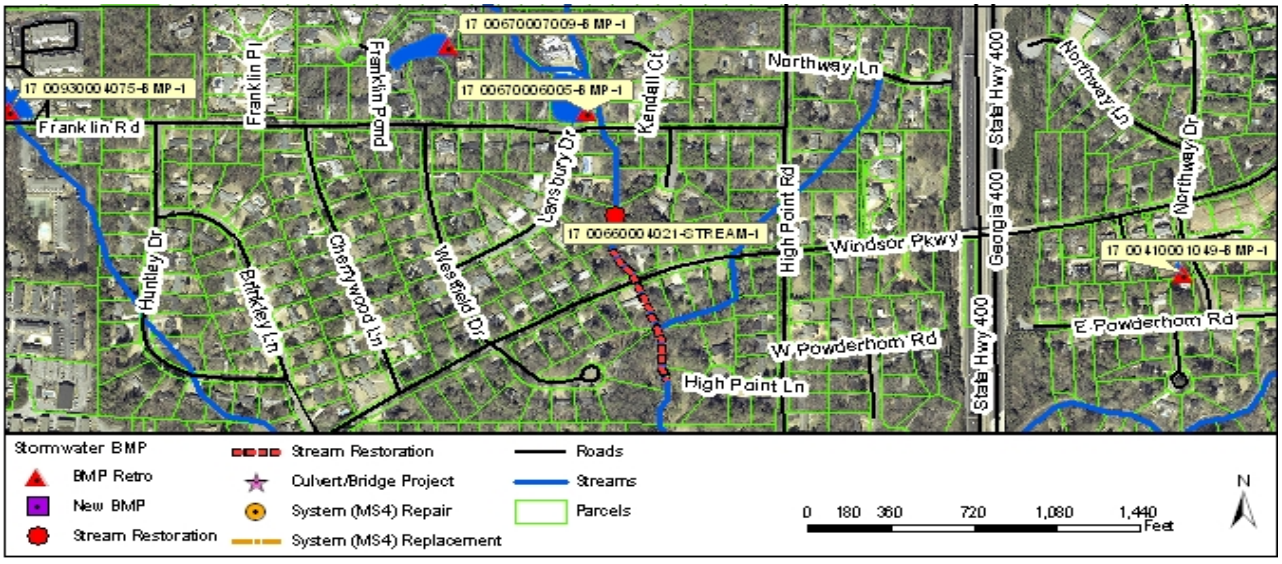

Figure 1 Plan View of Project with Aerial Photography

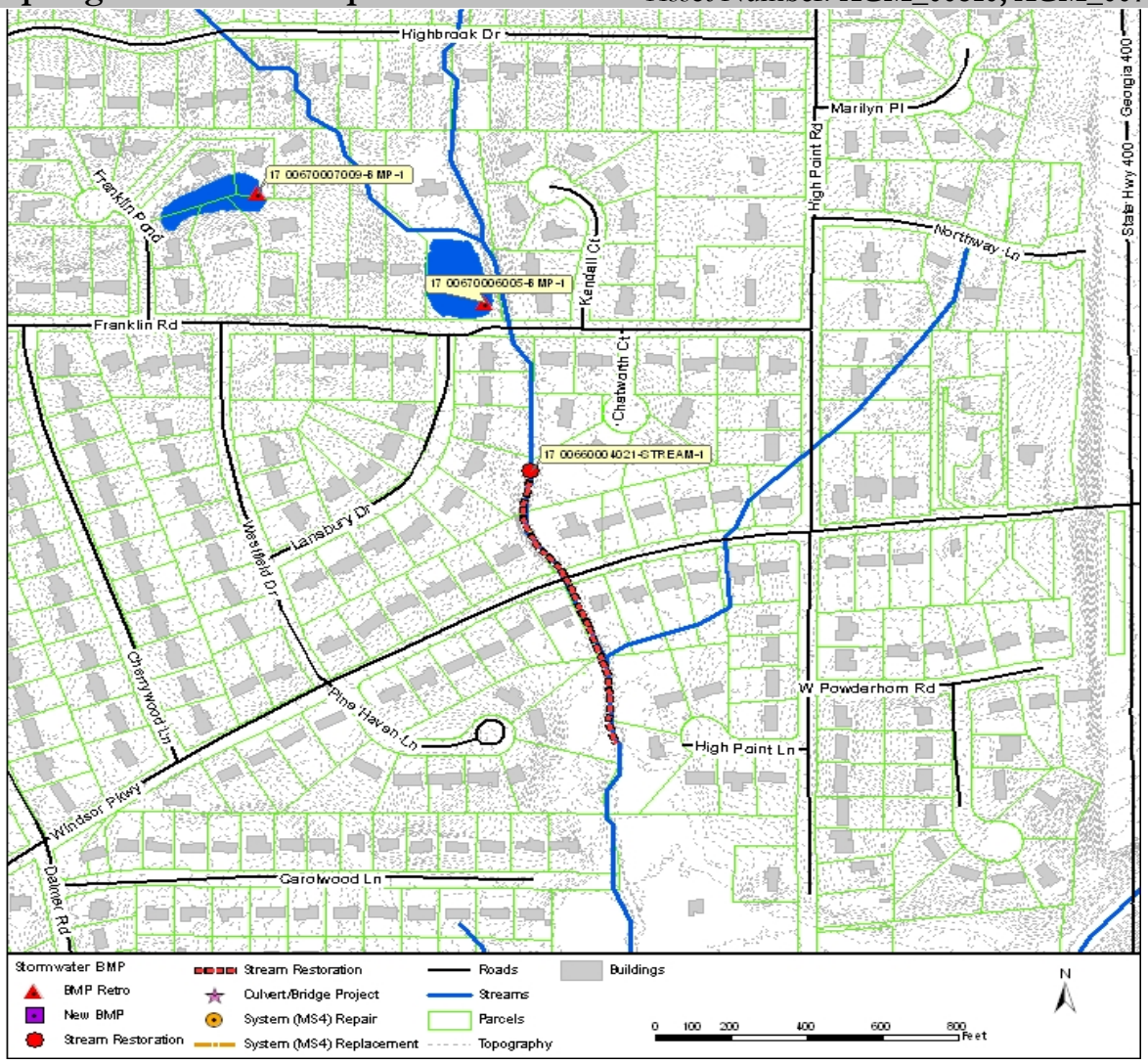

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	1,204	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 - 1/2 acre lot size;		WQ Volume:	N/A	ft^3
	Residential - 1/3 acre lot size;		CP Volume:	N/A	ft^3
	Streets - Open		25-Year Volume:	N/A	ft^3
	Ditch/includes ROW		Stream Project Length:	889	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	75-100% RB
Drainage Area:	535.0	acres	Bank Height:	7ft LB	7ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	49	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	22	
Flood Width Over Road:	N/A	ft	Change in Risk:	28	
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 00660006039-STREAM-1**
Asset Number: **AGM_00848, AGM_00195**

Benefit/Cost:	5.61	Address:	4630 High Point Rd
Estimated Cost:	$312,000	Study Area:	Nancy Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 2 stream restoration is proposed on tributary behind houses on Pine Forest Rd. The stream is incising and widening and encroaching into fences and properties on right bank. There is a large buffer on the left bank where the 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.

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

No photo available

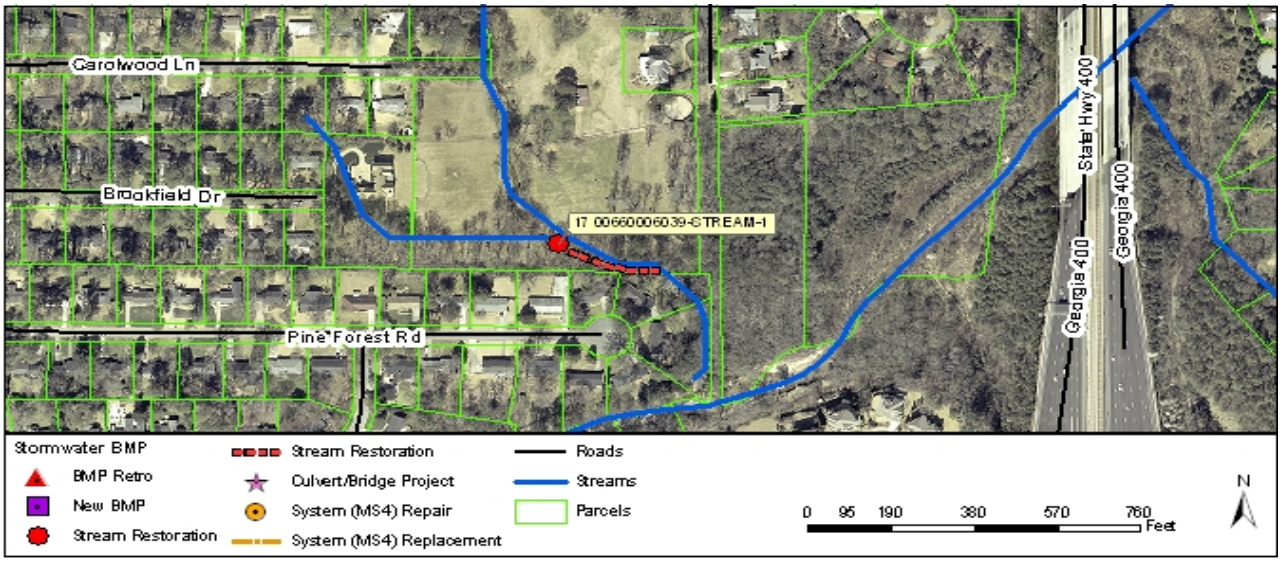

Figure 1 Plan View of Project with Aerial Photography

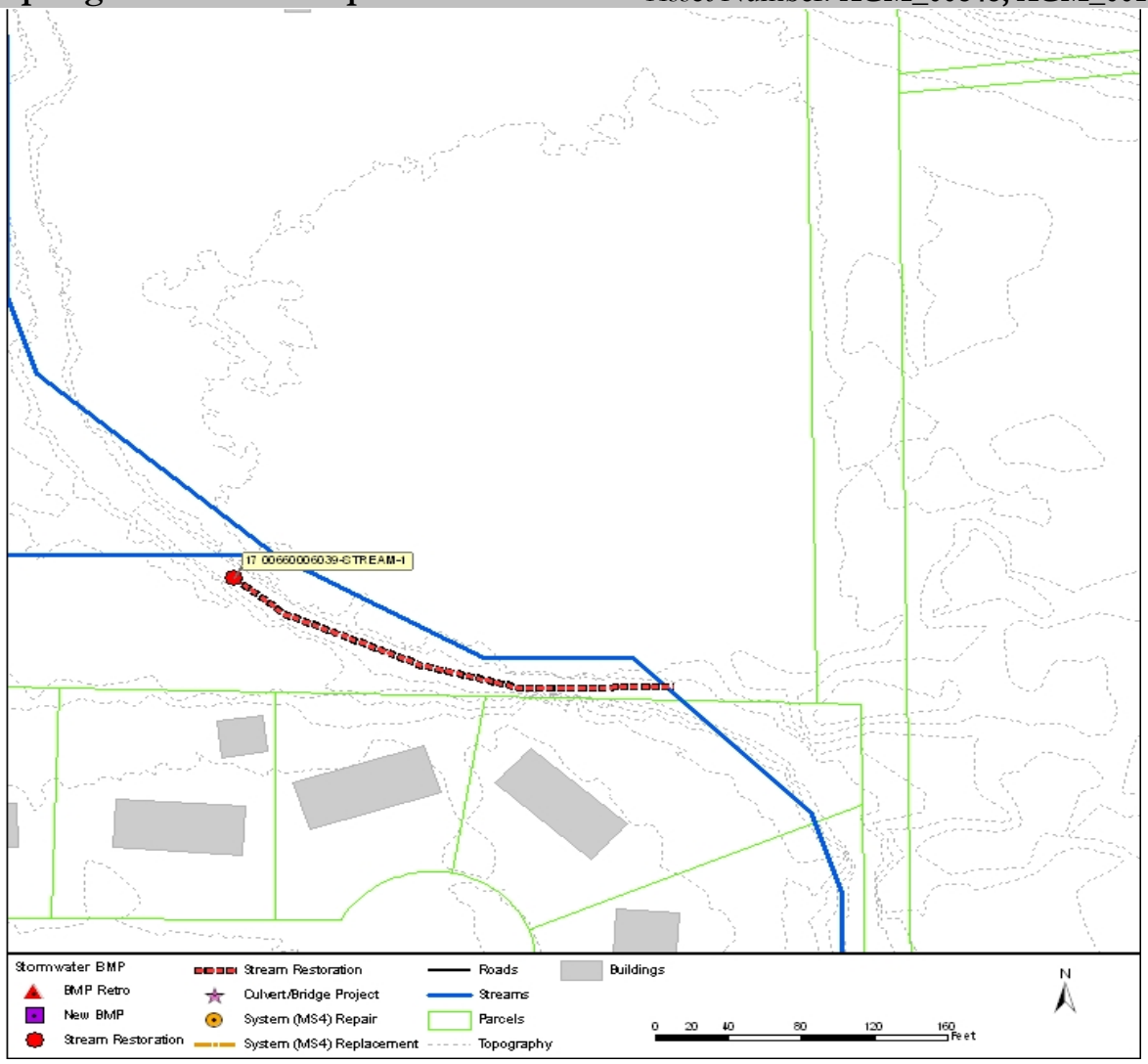

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	556	lb/ac/yr
Asset Ownership:	Not Applicable		Existing Volume:	N/A	ft^3
Parcel Ownership:	Private		Potential Volume:	N/A	ft^3
Land Use:	Open Space Good		WQ Volume:	N/A	ft^3
			CP Volume:	N/A	ft^3
			25-Year Volume:	N/A	ft^3
			Stream Project Length:	260	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	75-100% LB	75-100% RB
Drainage Area:	33.6	acres	Bank Height:	8ft LB	5ft RB
FEMA Flood Hazard Zone:	AE, AE-FLOODWAY		Existing Risk:	28	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	5	
Flood Width Over Road:	N/A	ft	Change in Risk:	22	
Structure Type:	N/A		**Benefit/Cost:**	5.61	
Pipe Size:	N/A	ft			
Structure/Pipe Age:	N/A				
Structure/Pipe Conditions:	N/A				

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 00670001009-STREAM-1**
Asset Number: **AGM_01221, AGM_02013**

Benefit/Cost:	1.67	Address:	370 Forest Hills Dr
Estimated Cost:	$242,000	Study Area:	Nancy Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 4 stream restoration is proposed along a reach where bedrock is present on right bank but stream has incised and is cutting below the bedrock. Level 4 restoration is proposed where an incised channel is stabilized in place using in stream structures and bioengineering.

Project Goals

Stabilize streambanks to reduce streambank erosion to decrease suspended sediment loads. 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

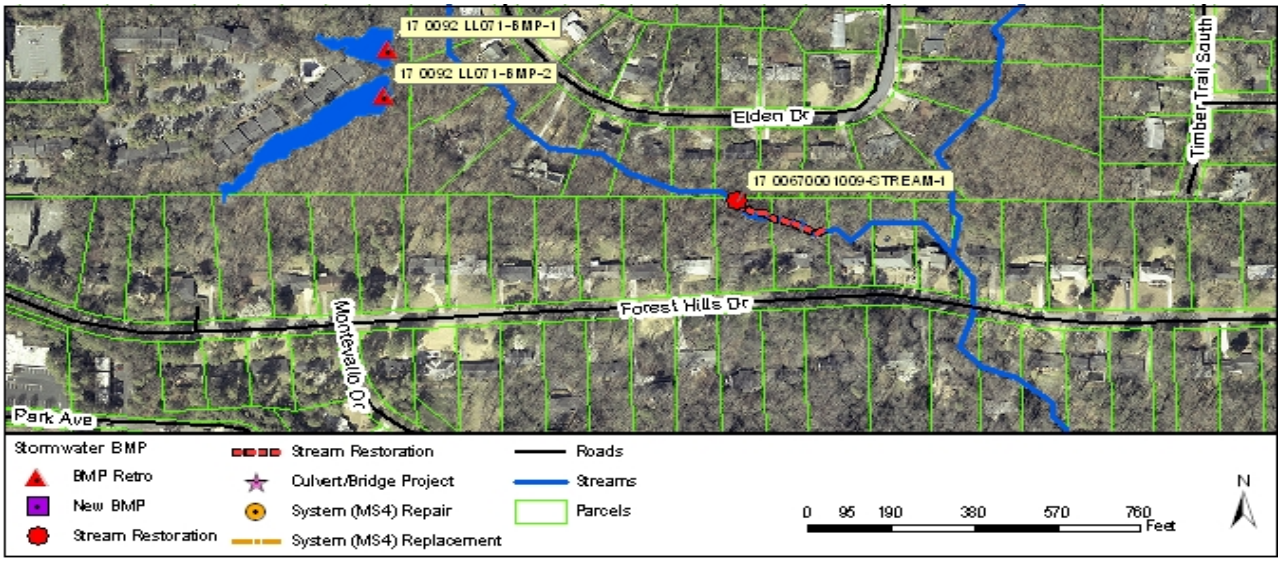

Figure 1 Plan View of Project with Aerial Photography

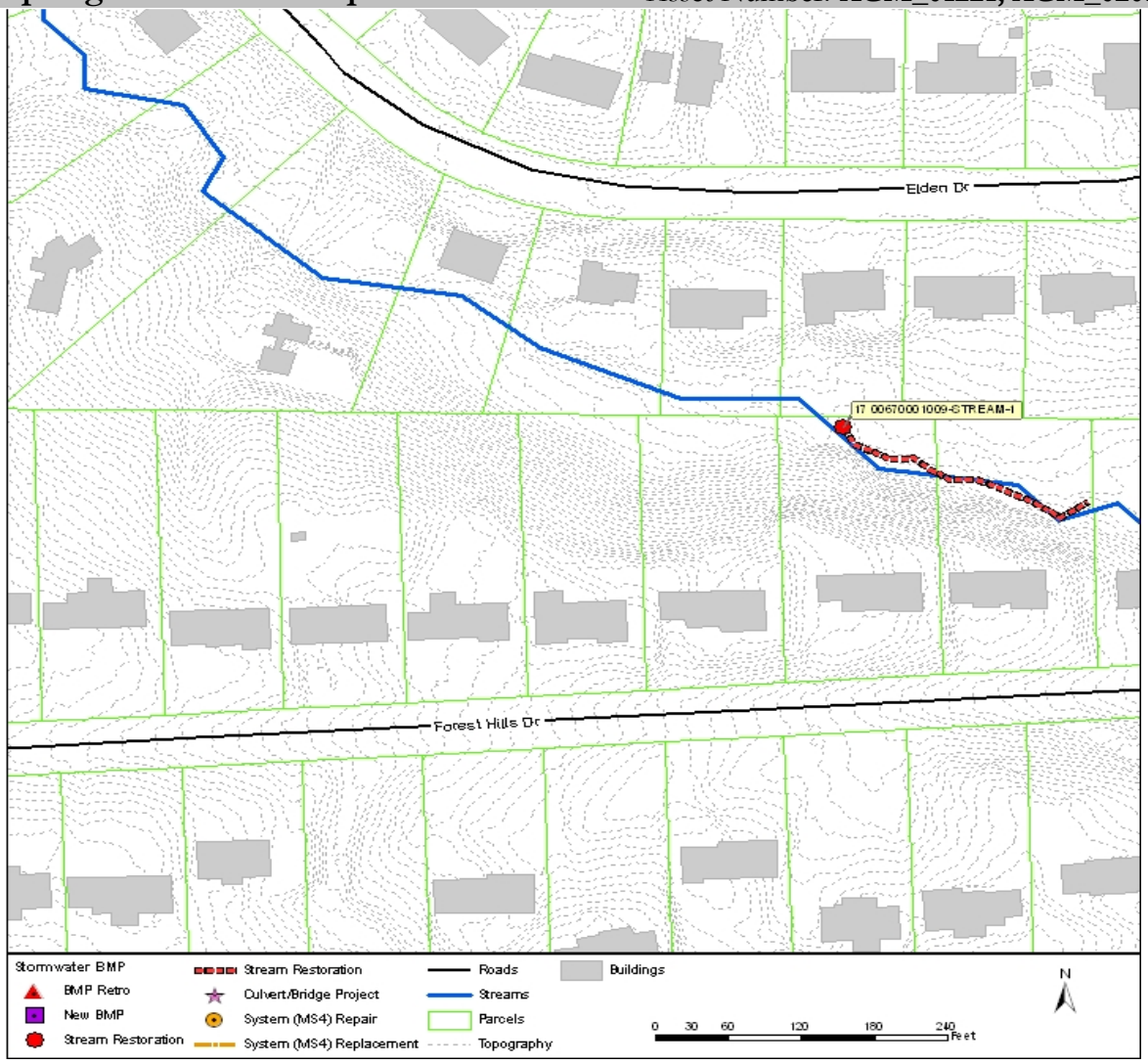

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	785	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 - 1/2 acre lot size; Woods		WQ Volume:	N/A	ft^3
			CP Volume:	N/A	ft^3
			25-Year Volume:	N/A	ft^3
			Stream Project Length:	235	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	1	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	25-50% LB	50-75% RB
Drainage Area:	109.2	acres	Bank Height:	4ft LB	2ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	18	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	13	
Flood Width Over Road:	N/A	ft	Change in Risk:	5	
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 00670001068-STREAM-1**
Asset Number: **AGM_01905, AGM_01997**

Benefit/Cost:	3.90	Address:	465 Forestdale Drive NE
Estimated Cost:	$313,000	Study Area:	Nancy Creek
		Proposed Project Type:	Stream Restoration

Project Description

Level 4 stream restoration is proposed along a reach where banks are very steep and tall and the right bank is collapsing. No buffer on 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 reduce streambank erosion to decrease suspended sediment loads. 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

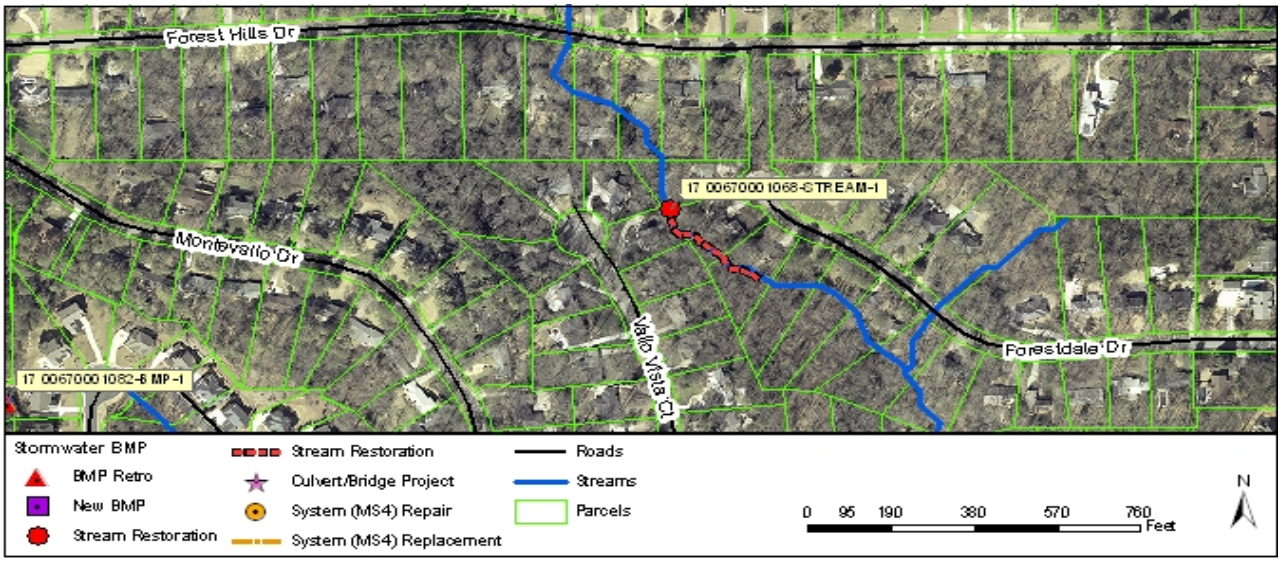

Figure 1 Plan View of Project with Aerial Photography

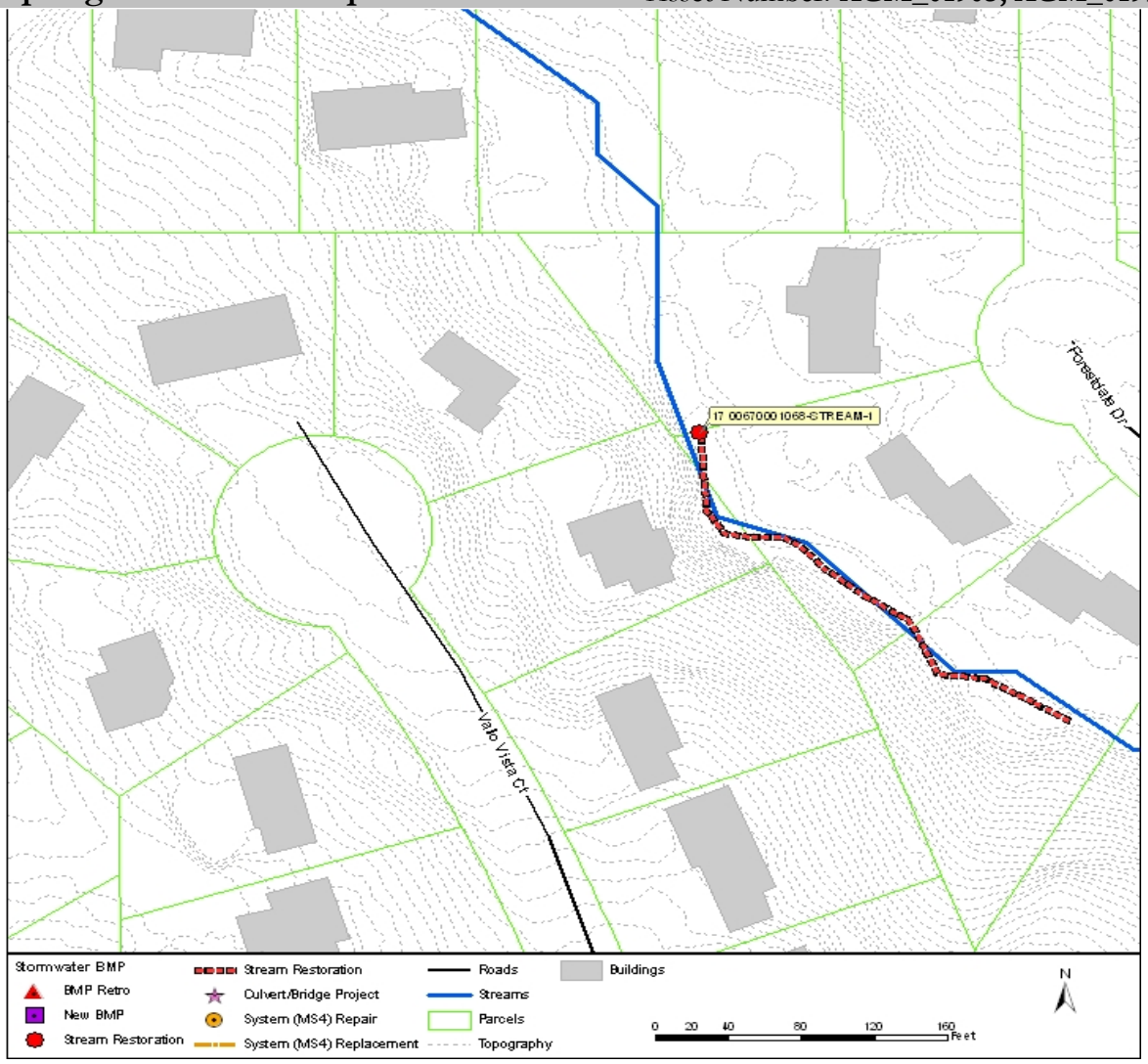

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	1,035	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 - 1/2 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:	305	ft
TMDL Stream(FecalColiform):	Y		Stream Order:	2	
TMDL Stream (Biota):	Y		Bank Stability (% exposed):	50-75% LB	50-75% RB
Drainage Area:	310.7	acres	Bank Height:	10ft LB	10ft RB
FEMA Flood Hazard Zone:	X500		Existing Risk:	33	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	17	
Flood Width Over Road:	N/A	ft	Change in Risk:	16	
Structure Type:	N/A		**Benefit/Cost:**	3.90	
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 00670001082-BMP-1**
Asset Number: **AGM_03367**

Benefit/Cost:	3.01	Address:	297 Forest Valley Ct
Estimated Cost:	$146,000	Study Area:	Nancy 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 Forest Valley Ct. 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.

Photos and Maps

Photo 1

Photo 2

No photo available

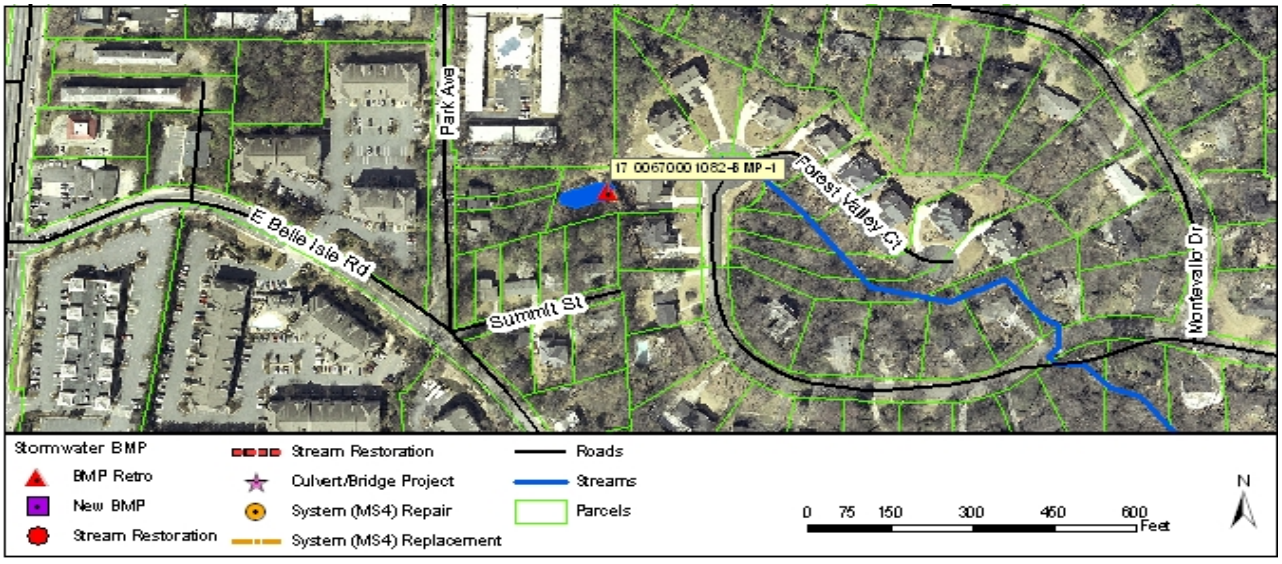

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 00670001082-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_03367**

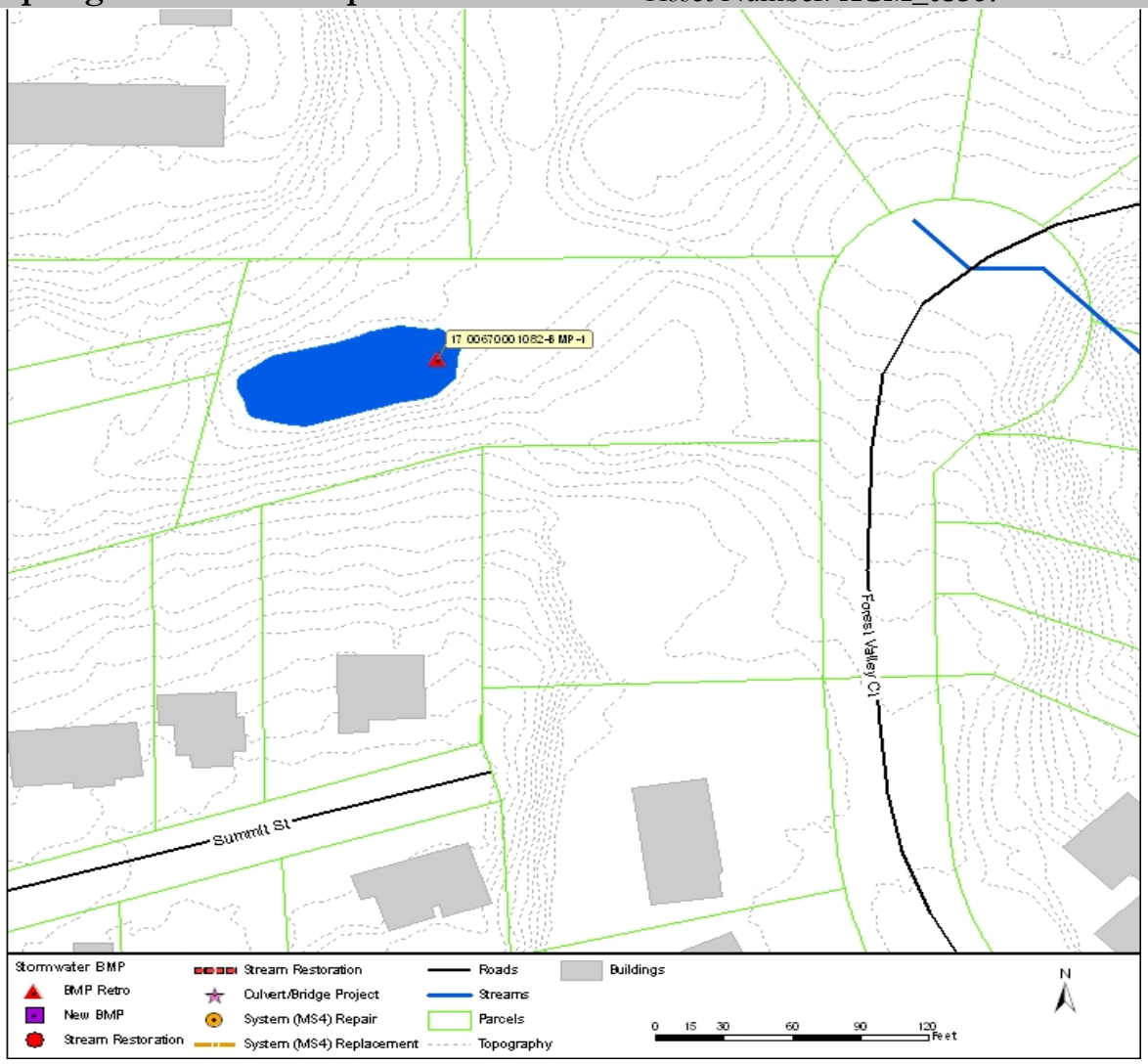

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	460	lb/ac/yr
Asset Ownership:	5: SF Residential-Attach		Existing Volume:	12,211	ft^3
Parcel Ownership:	Private		Potential Volume:	12,211	ft^3
Land Use:	Residential - 1/3 acre lot size		WQ Volume:	29,771	ft^3
			CP Volume:	118,139	ft^3
			25-Year Volume:	152,338	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:	13.2	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	42	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	32	
Flood Width Over Road:	N/A	ft	Change in Risk:	9	
Structure Type:	N/A		**Benefit/Cost:**	3.01	
Pipe Size:	N/A	ft			
Structure/Pipe Age:	N/A				
Structure/Pipe Conditions:	N/A				

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 00670006005-BMP-1**
Asset Number: **AGM_03359**

Benefit/Cost:	1.33	Address:	500 Franklin Rd Ne
Estimated Cost:	$293,000	Study Area:	Nancy 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 Franklin Rd Ne. 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.

Photos and Maps

Photo 1

Photo 2

No photo available

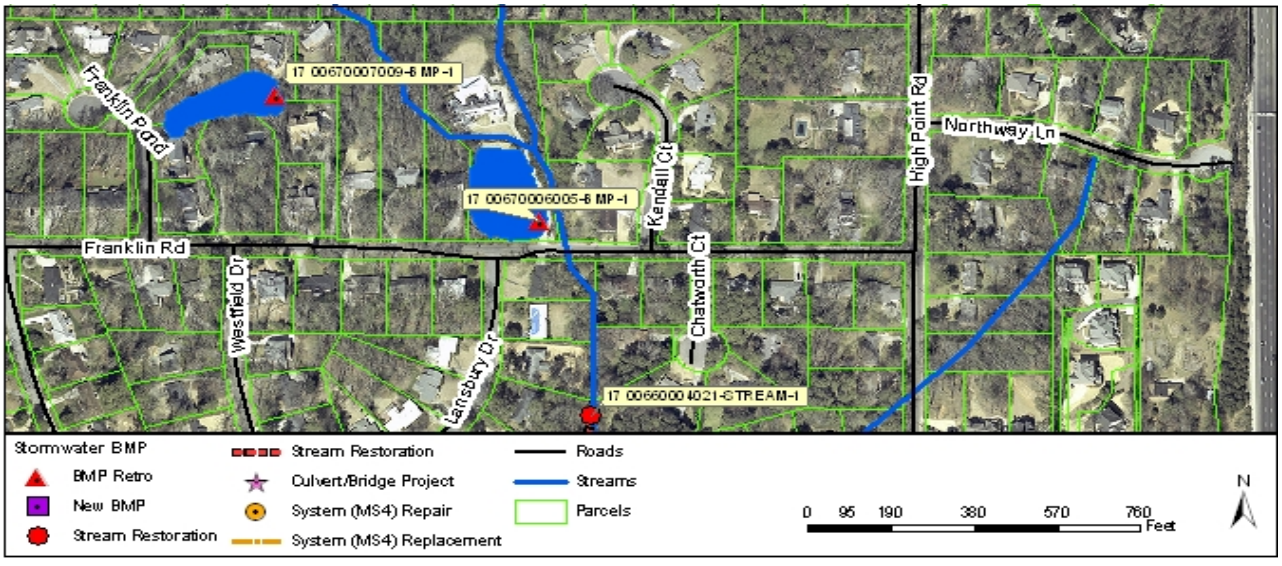

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 00670006005-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_03359**

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	79	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	284,383	ft^3
Parcel Ownership:	Private		Potential Volume:	284,383	ft^3
Land Use:	Residential - 1/2 acre lot size; Water		WQ Volume:	8,762	ft^3
			CP Volume:	25,393	ft^3
			25-Year Volume:	31,343	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:	4.0	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500		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 00670007009-BMP-1**
Asset Number: **AGM_01957**

Benefit/Cost:	1.40	Address:	4845 Franklin Pond Rd
Estimated Cost:	$442,000	Study Area:	Nancy 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 Franklin Rd. 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

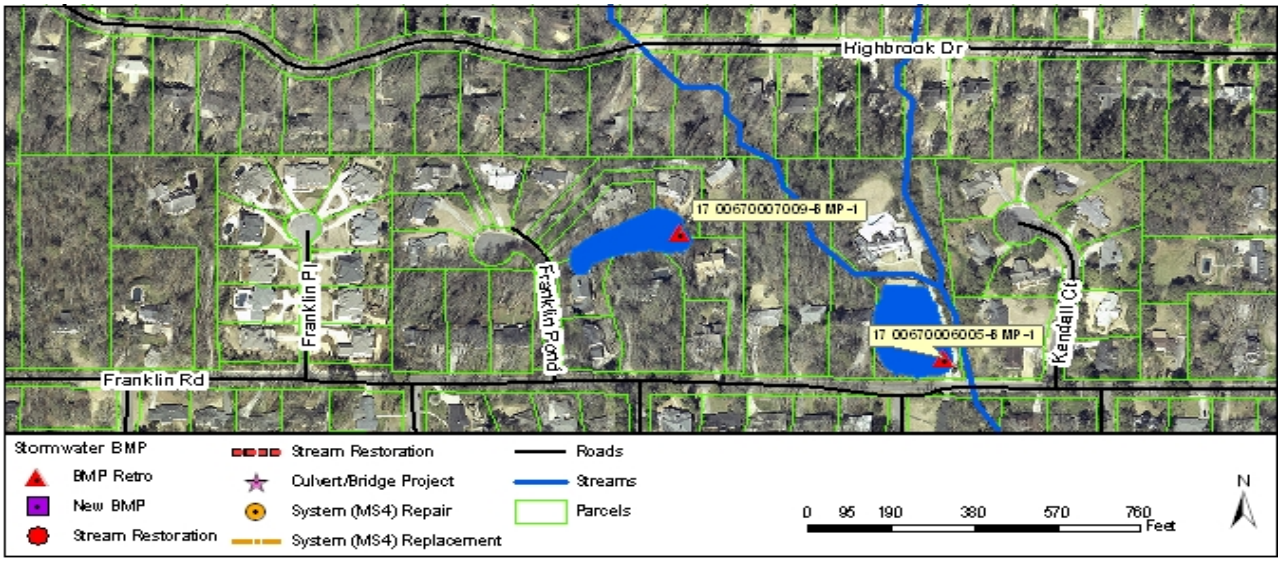

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 00670007009-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_01957**

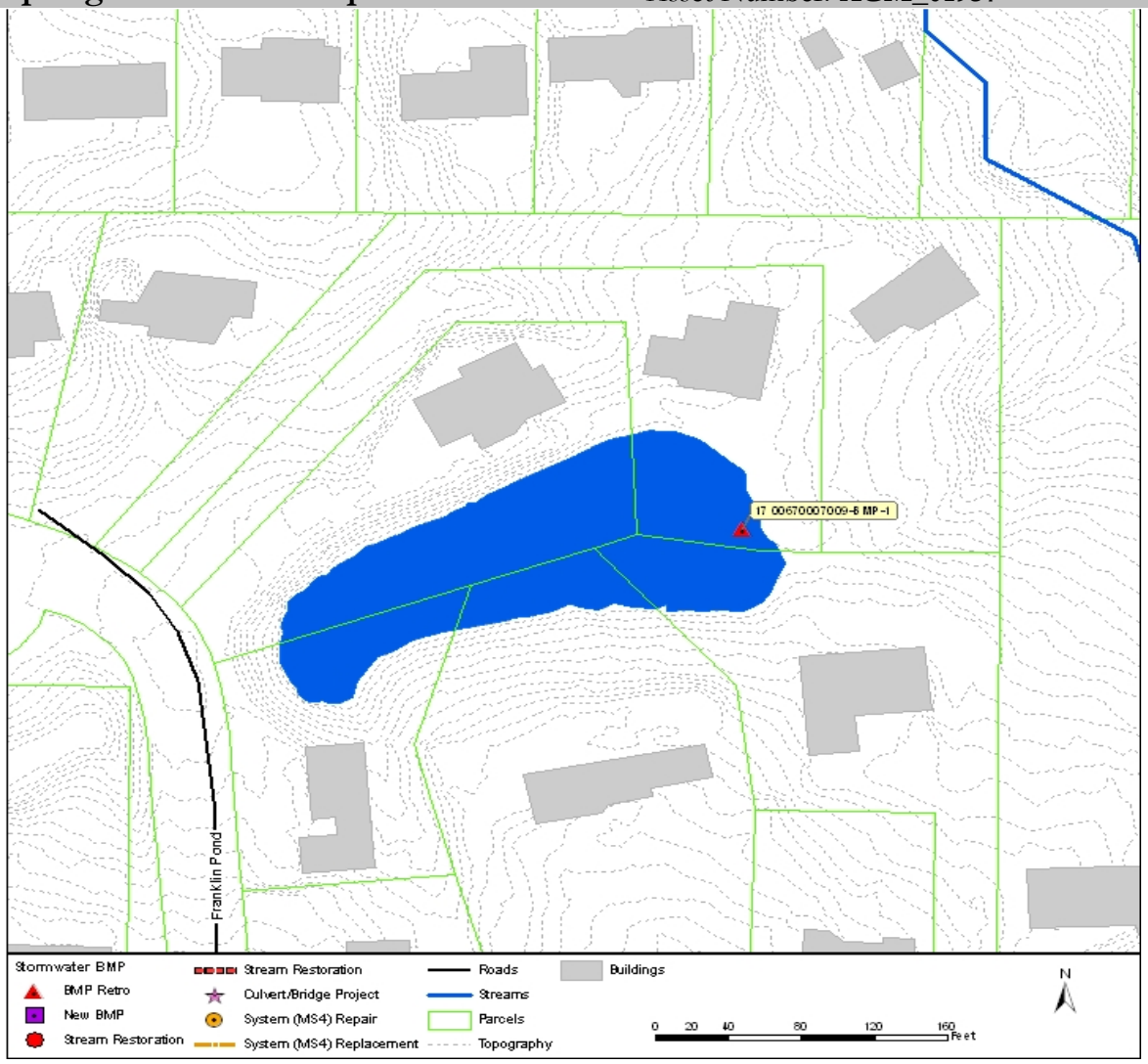

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	51	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	165,568	ft^3
Parcel Ownership:	Private		Potential Volume:	165,568	ft^3
Land Use:	Residential - 1/2 acre lot size; Water		WQ Volume:	21,018	ft^3
			CP Volume:	77,404	ft^3
			25-Year Volume:	85,026	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:	19.6	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:	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 00680006002-BMP-1**
Asset Number: **AGM_01401**

Benefit/Cost:	7.43	Address:	1 Willow Glen
Estimated Cost:	$436,000	Study Area:	Nancy 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 Willow Glen. 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

Figure 1 Plan View of Project with Aerial Photography

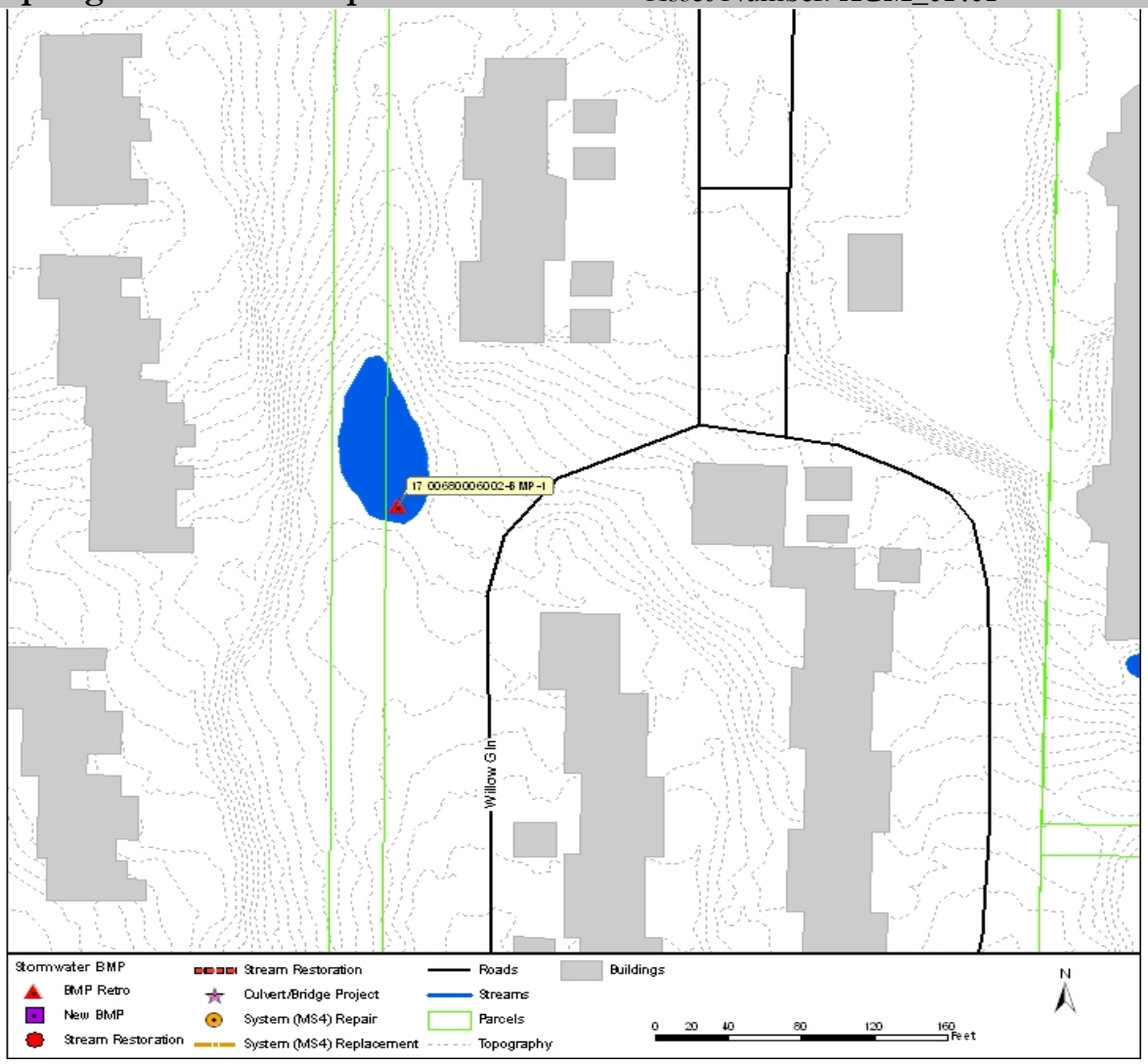

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	528	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	14,604	ft^3
Parcel Ownership:	Private		Potential Volume:	43,812	ft^3
Land Use:	Commercial		WQ Volume:	18,144	ft^3
			CP Volume:	69,280	ft^3
			25-Year Volume:	90,917	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:	7.6	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	40	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	11	
Flood Width Over Road:	N/A	ft	Change in Risk:	30	
Structure Type:	N/A		**Benefit/Cost:**	7.43	
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 00680008022-BMP-1**
Asset Number: **AGM_01352**

Benefit/Cost:	4.77	Address:	0 Greenlaurel Dr
Estimated Cost:	$350,000	Study Area:	Nancy 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 area near Greenlaurel 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 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

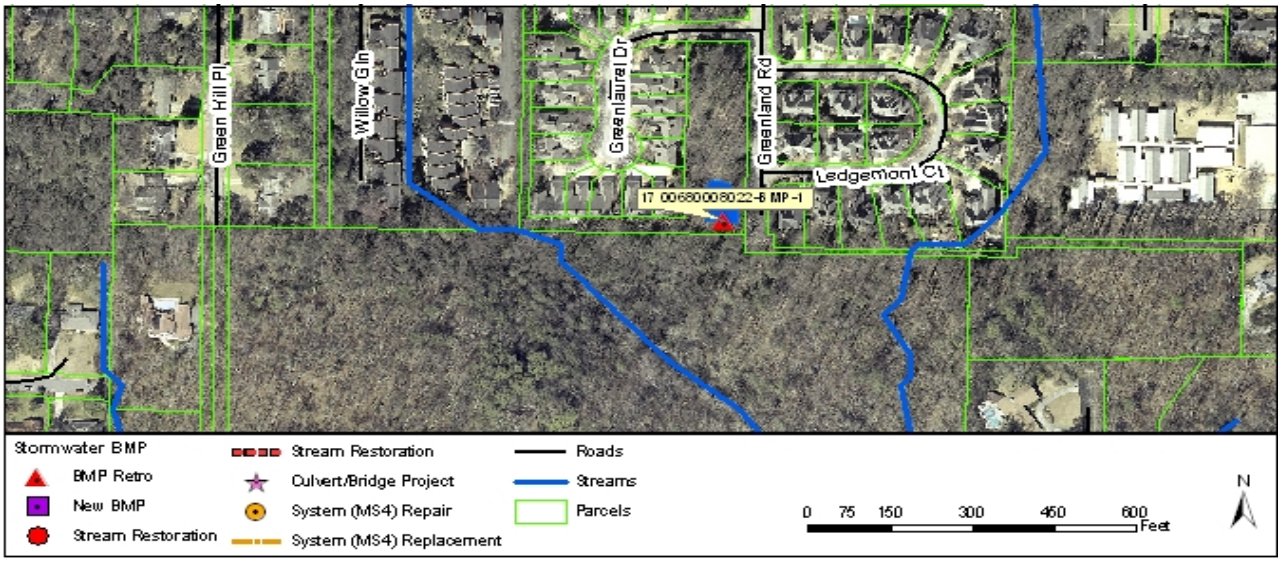

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 00680008022-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_01352**

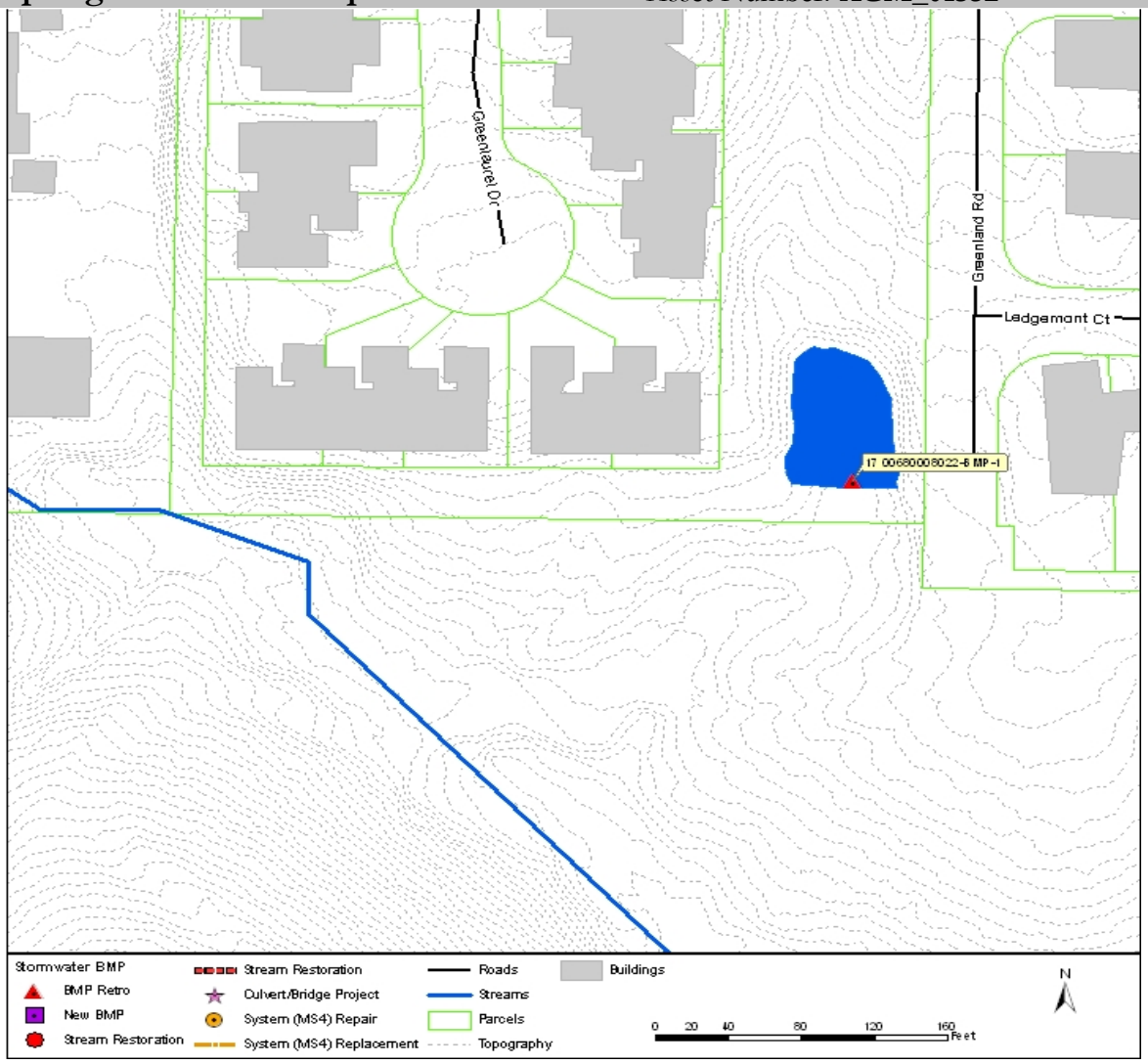

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	270	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	14,082	ft^3
Parcel Ownership:	Private		Potential Volume:	28,163	ft^3
Land Use:	Woods		WQ Volume:	10,471	ft^3
			CP Volume:	29,039	ft^3
			25-Year Volume:	34,848	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:	25	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	6	
Flood Width Over Road:	N/A	ft	Change in Risk:	19	
Structure Type:	N/A		**Benefit/Cost:**	4.77	
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 00690005022-BMP-1**
Asset Number: **AGM_02952**

Benefit/Cost:	5.64	Address:	5501 Glenridge Dr
Estimated Cost:	$311,000	Study Area:	Nancy 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 Glenridge 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 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.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

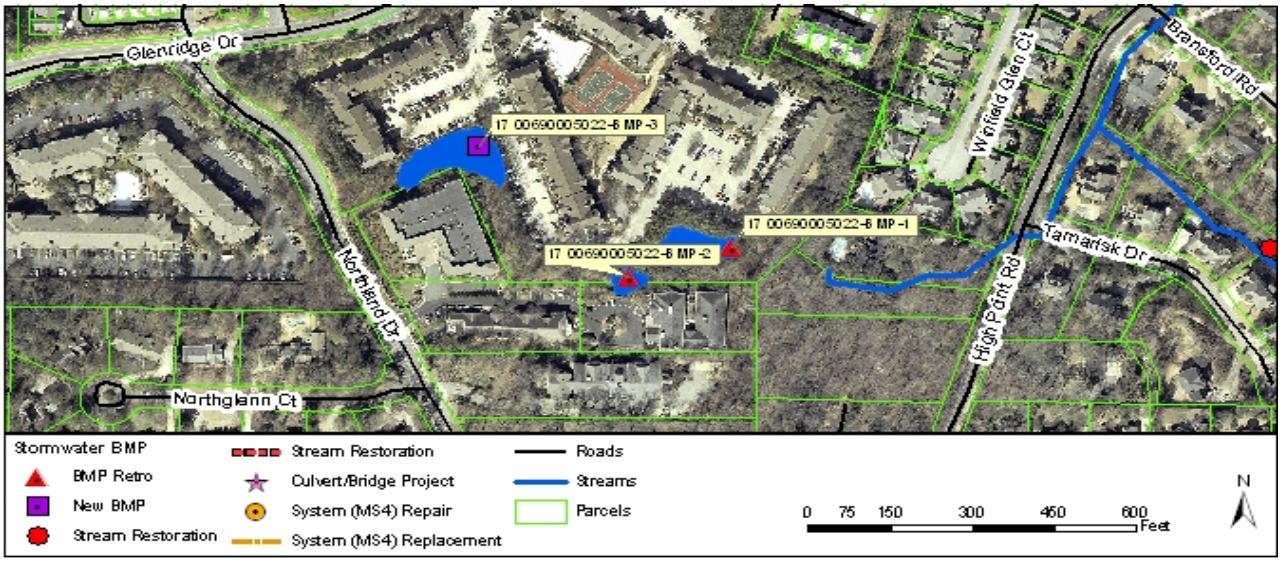

Figure 1 Plan View of Project with Aerial Photography

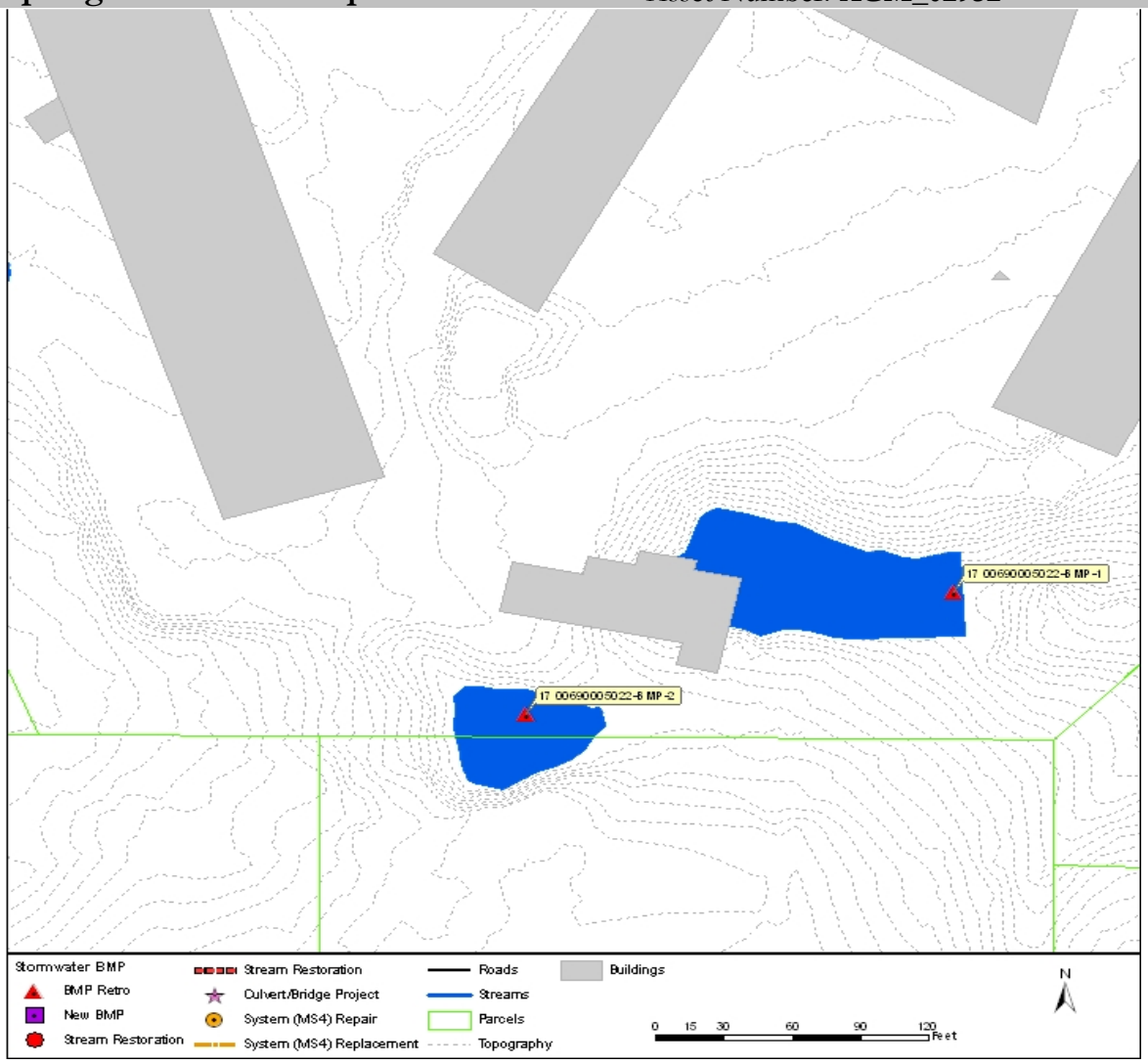

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	487	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	23,906	ft^3
Parcel Ownership:	Private		Potential Volume:	59,765	ft^3
Land Use:	Commercial		WQ Volume:	49,486	ft^3
			CP Volume:	195,036	ft^3
			25-Year Volume:	252,957	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:	22.0	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	41	
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:**	5.64	
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 00690005022-BMP-2**
Asset Number: **AGM_02823**

Benefit/Cost:	5.18	Address:	5501 Glenridge Dr
Estimated Cost:	$162,000	Study Area:	Nancy 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 Glenridge Dr. 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 a portion of the channel protection benefits by converting it to a dry extended detention basin and redesigning the outlet control structure.

Photos and Maps

Photo 1

Photo 2

No photo available

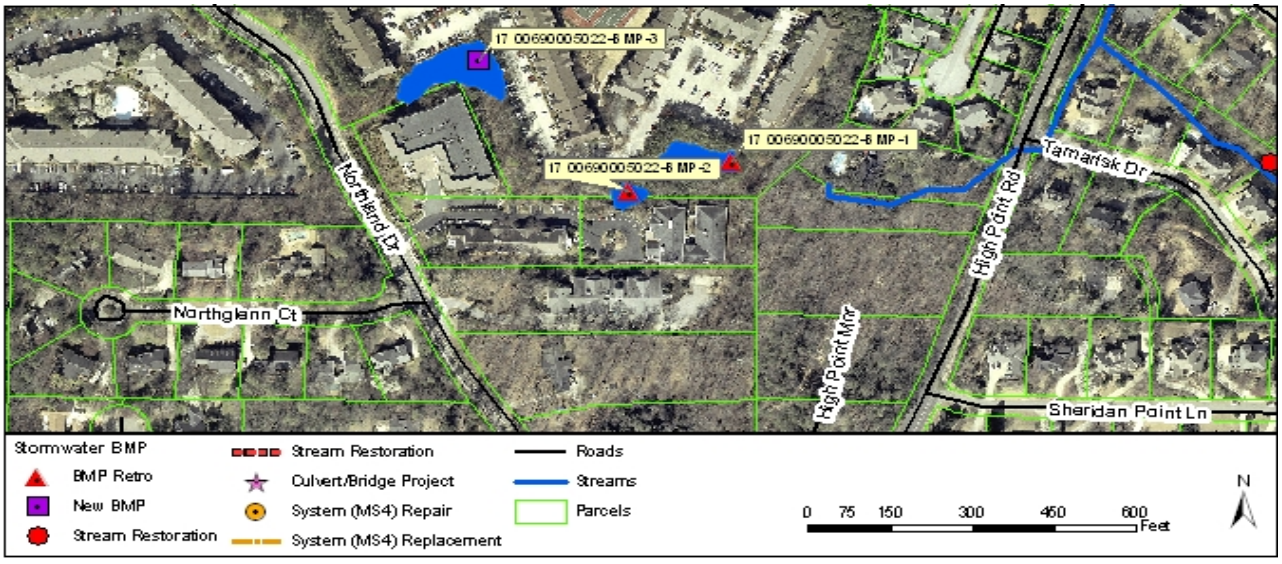

Figure 1 Plan View of Project with Aerial Photography

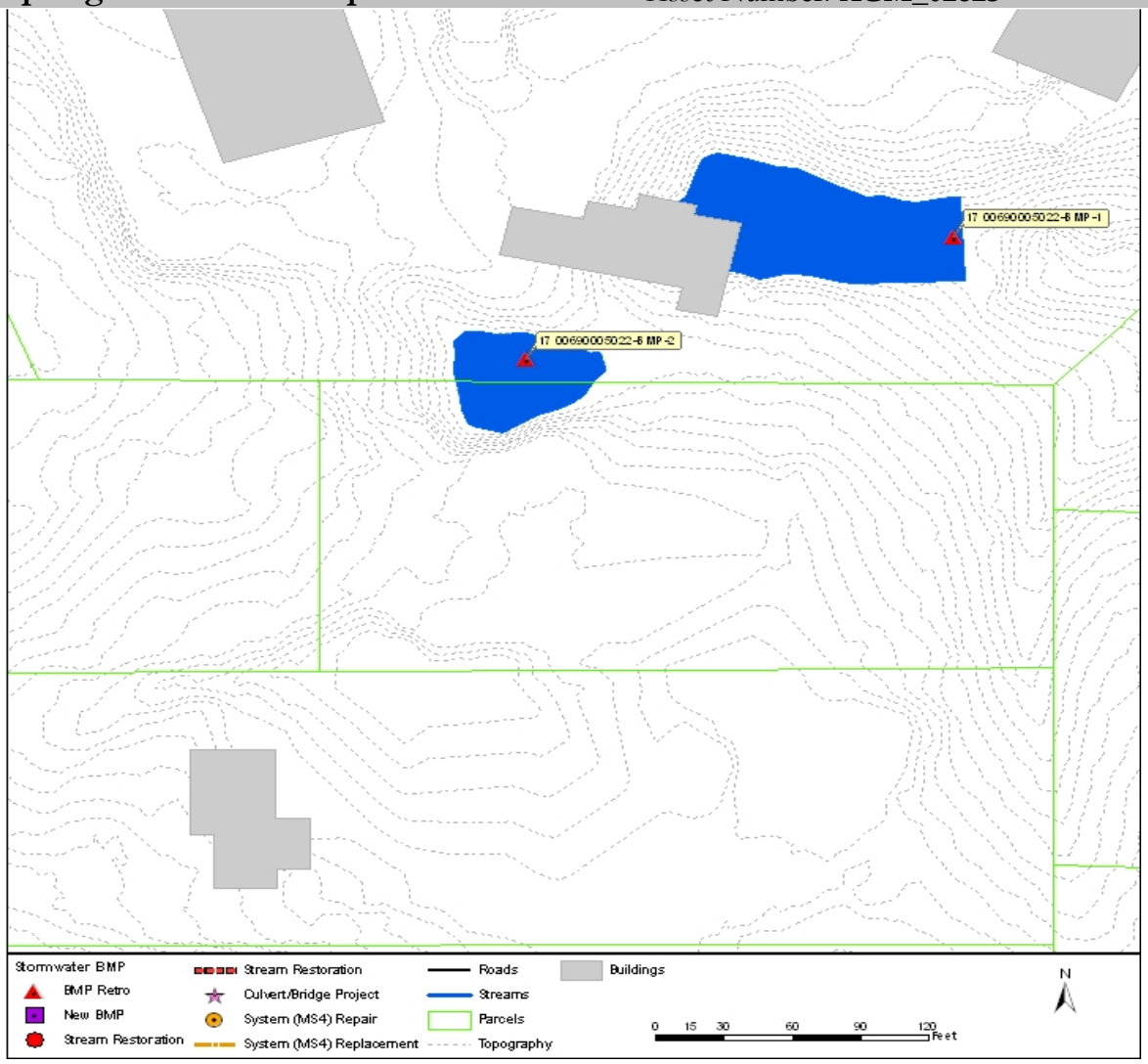

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	507	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	6,205	ft^3
Parcel Ownership:	Private		Potential Volume:	6,205	ft^3
Land Use:	Commercial		WQ Volume:	5,751	ft^3
			CP Volume:	23,796	ft^3
			25-Year Volume:	31,274	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:	37	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	21	
Flood Width Over Road:	N/A	ft	Change in Risk:	16	
Structure Type:	N/A		**Benefit/Cost:**	5.18	
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 00690005022-BMP-3**
Asset Number: **AGM_02944**

Benefit/Cost:	6.84	Address:	5501 Glenridge Dr
Estimated Cost:	$366,000	Study Area:	Nancy 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 Glenridge 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. Closest Asset number chosen.

Project Goals

Design a micropool with extended detention 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

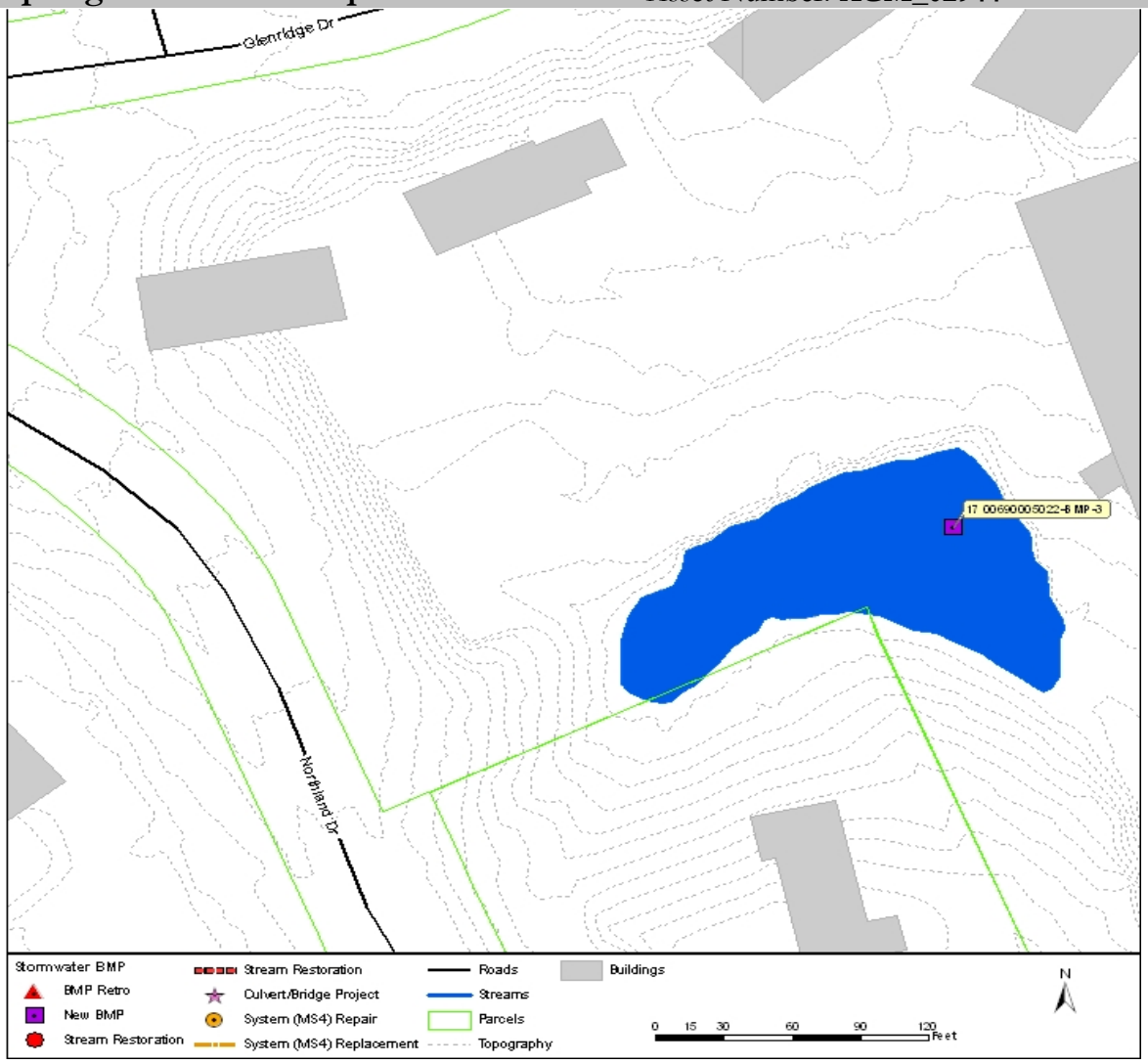

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	502	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	69,458	ft^3
Parcel Ownership:	Private		Potential Volume:	69,458	ft^3
Land Use:	Commercial		WQ Volume:	10,448	ft^3
			CP Volume:	38,892	ft^3
			25-Year Volume:	50,711	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:	4.3	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	32	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	5	
Flood Width Over Road:	N/A	ft	Change in Risk:	27	
Structure Type:	N/A		**Benefit/Cost:**	6.84	
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 00710007025-BMP-1**
Asset Number: **AGM_07609**

Benefit/Cost:	2.34	Address:	6440 Glen Oaks Ln
Estimated Cost:	$357,000	Study Area:	Nancy 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 Residential - 1/8 acre area near Glen Oaks Ln. 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

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 00710007025-BMP-1**
Asset Number: **AGM_07609**

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 3		TSS Yield:	535	lb/ac/yr
Asset Ownership:	5: SF Residential-Attach		Existing Volume:	20,919	ft^3
Parcel Ownership:	Private		Potential Volume:	20,919	ft^3
Land Use:	Residential - 1/8 acre lot size		WQ Volume:	2,804	ft^3
			CP Volume:	10,359	ft^3
			25-Year Volume:	13,747	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:	1.5	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:	9	
Flood Width Over Road:	N/A	ft	Change in Risk:	9	
Structure Type:	N/A		**Benefit/Cost:**	2.34	
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 00920001035-BMP-1**
Asset Number: **AGM_01660**

Benefit/Cost:	1.44	Address:	5188 Roswell Rd
Estimated Cost:	$338,000	Study Area:	Nancy 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. 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 a portion of the channel protection benefits by converting it to a dry extended detention basin and redesigning the outlet control structure. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

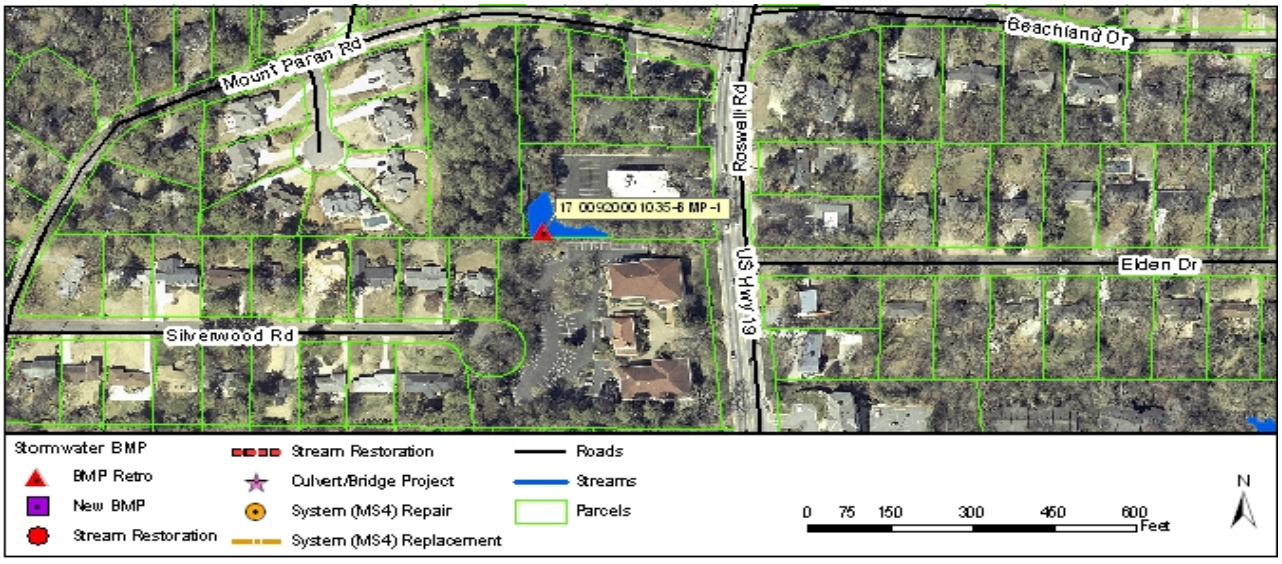

Figure 1 Plan View of Project with Aerial Photography

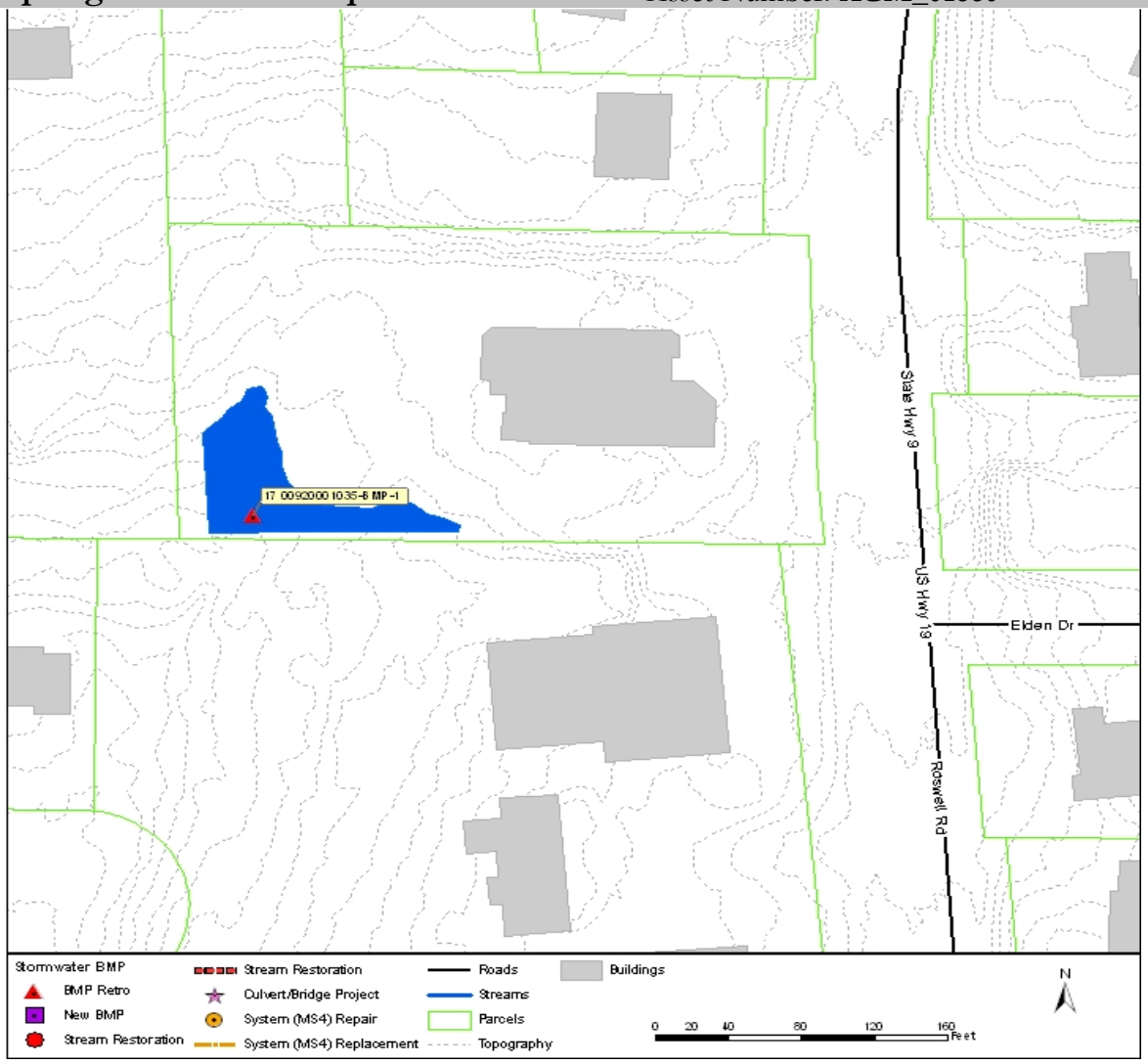

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	378	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	11,514	ft^3
Parcel Ownership:	Private		Potential Volume:	11,514	ft^3
Land Use:	Commercial		WQ Volume:	4,584	ft^3
			CP Volume:	18,039	ft^3
			25-Year Volume:	22,976	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:	2.5	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:	14	
Flood Width Over Road:	N/A	ft	Change in Risk:	6	
Structure Type:	N/A		**Benefit/Cost:**	1.44	
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 00930004071-BMP-1**
Asset Number: **AGM_03729**

Benefit/Cost:	5.41	Address:	4967 Roswell Rd Ne
Estimated Cost:	$219,000	Study Area:	Nancy 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; Woods area near Roswell Rd Ne. 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 a portion of the channel protection benefits by converting it to a dry extended detention basin and redesigning the outlet control structure.

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 00930004071-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_03729**

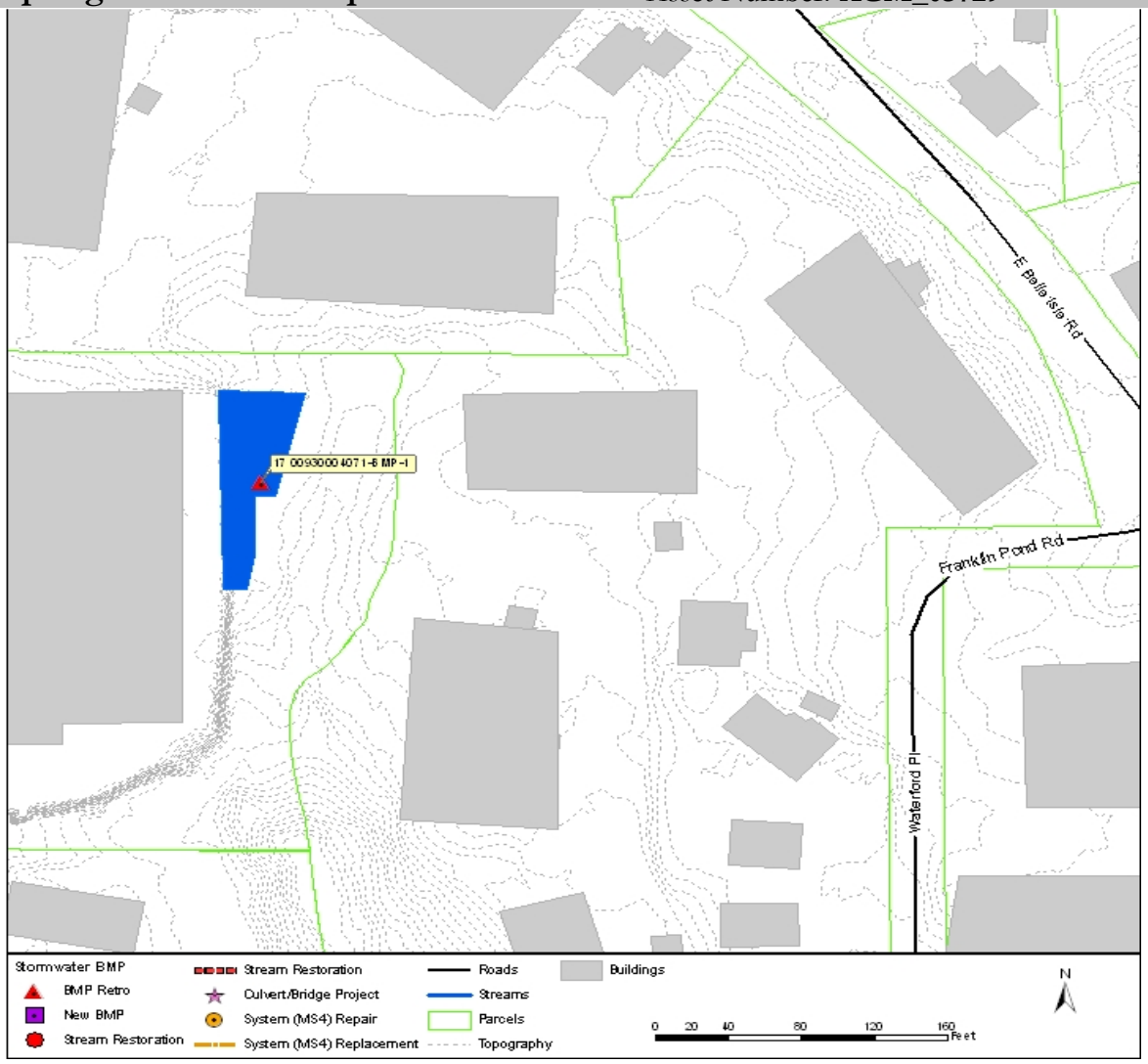

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	509	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	23,984	ft^3
Parcel Ownership:	Private		Potential Volume:	23,984	ft^3
Land Use:	Commercial; Woods		WQ Volume:	18,197	ft^3
			CP Volume:	54,195	ft^3
			25-Year Volume:	70,550	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:	36	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	20	
Flood Width Over Road:	N/A	ft	Change in Risk:	16	
Structure Type:	N/A		**Benefit/Cost:**	5.41	
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 00930004075-BMP-1**
Asset Number: **AGM_03093**

Benefit/Cost:	7.53	Address:	240 Franklin Rd
Estimated Cost:	$473,000	Study Area:	Nancy 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 Franklin Rd. 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. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

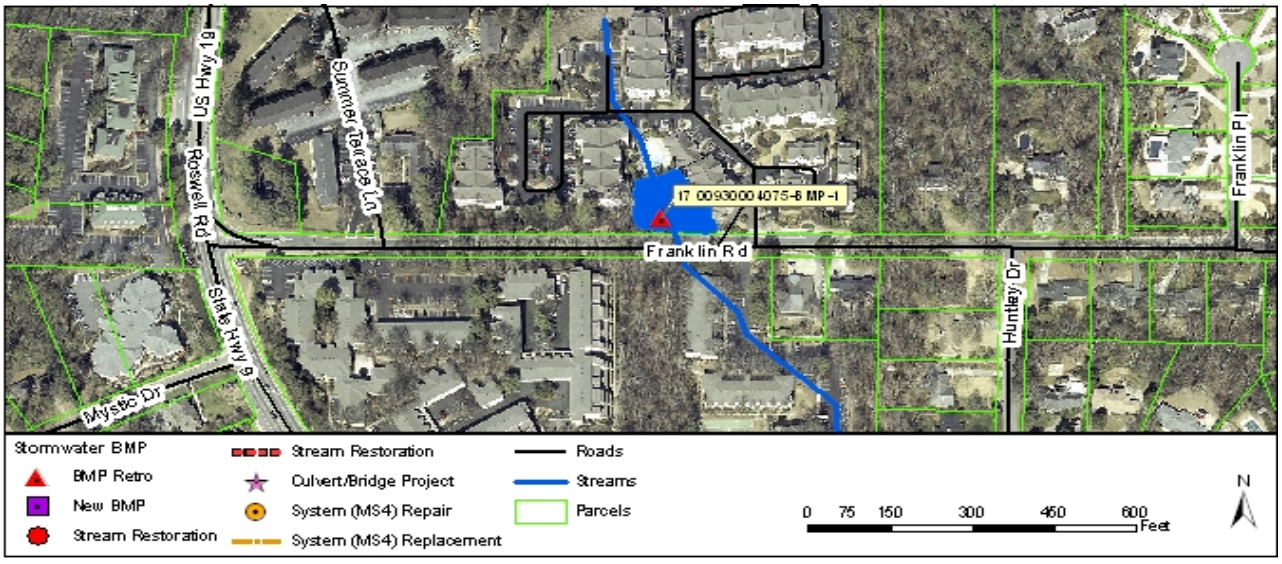

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 00930004075-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_03093**

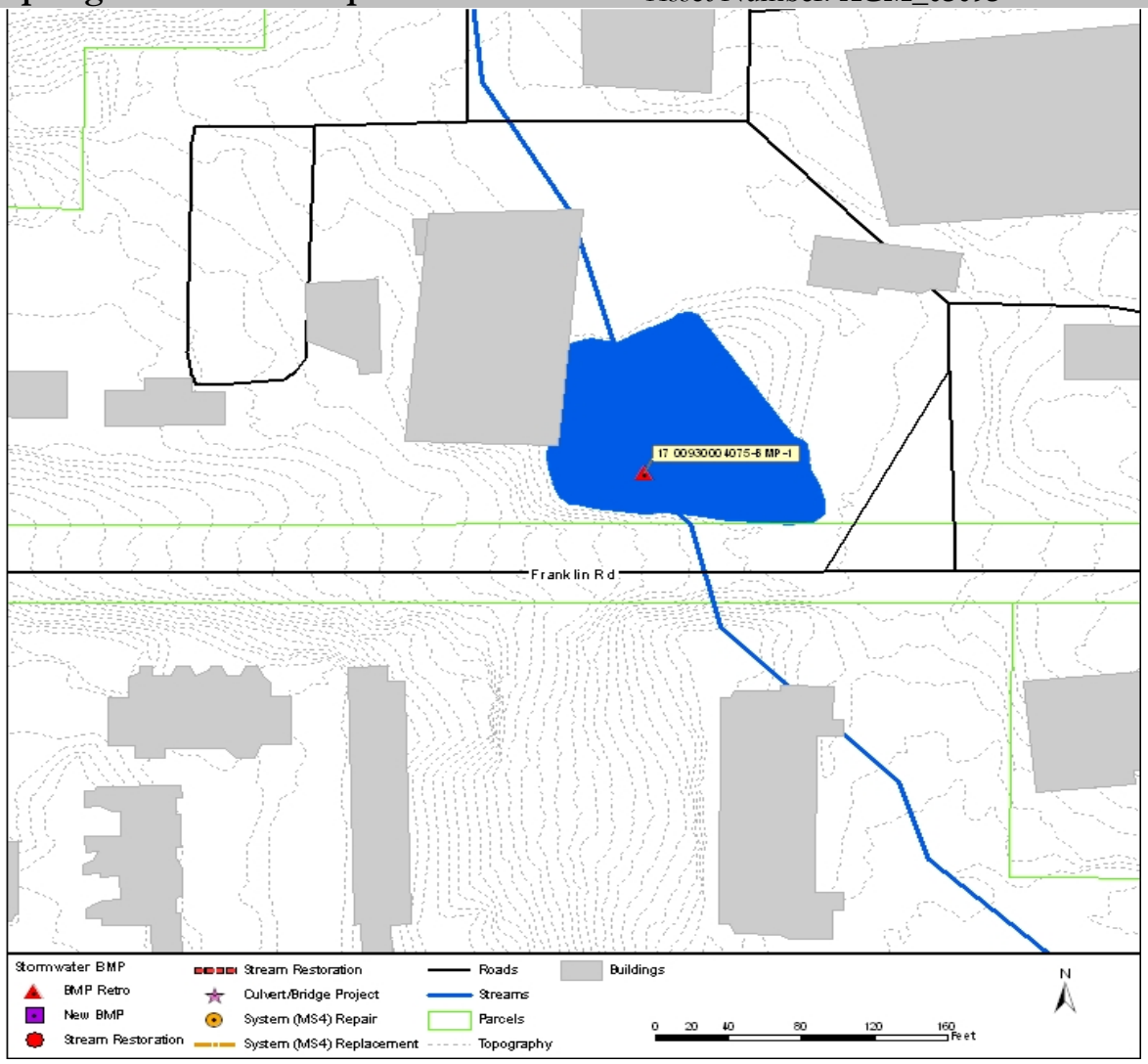

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	537	lb/ac/yr
Asset Ownership:	6: Non SF Res-Attached		Existing Volume:	142,683	ft^3
Parcel Ownership:	Private		Potential Volume:	142,683	ft^3
Land Use:	Commercial		WQ Volume:	125,615	ft^3
			CP Volume:	419,285	ft^3
			25-Year Volume:	536,813	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:	47.7	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	47	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	17	
Flood Width Over Road:	N/A	ft	Change in Risk:	30	
Structure Type:	N/A		**Benefit/Cost:**	7.53	
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 00930006125-BMP-1**
Asset Number: **AGM_03549**

Benefit/Cost:	2.80	Address:	0 Long Island Dr
Estimated Cost:	$234,000	Study Area:	Nancy 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 Woods - Grass Combination area near Long Island Dr. 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 a portion of the channel protection benefits by converting it to a dry extended detention basin and redesigning the outlet control structure. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

Photo 2

No photo available

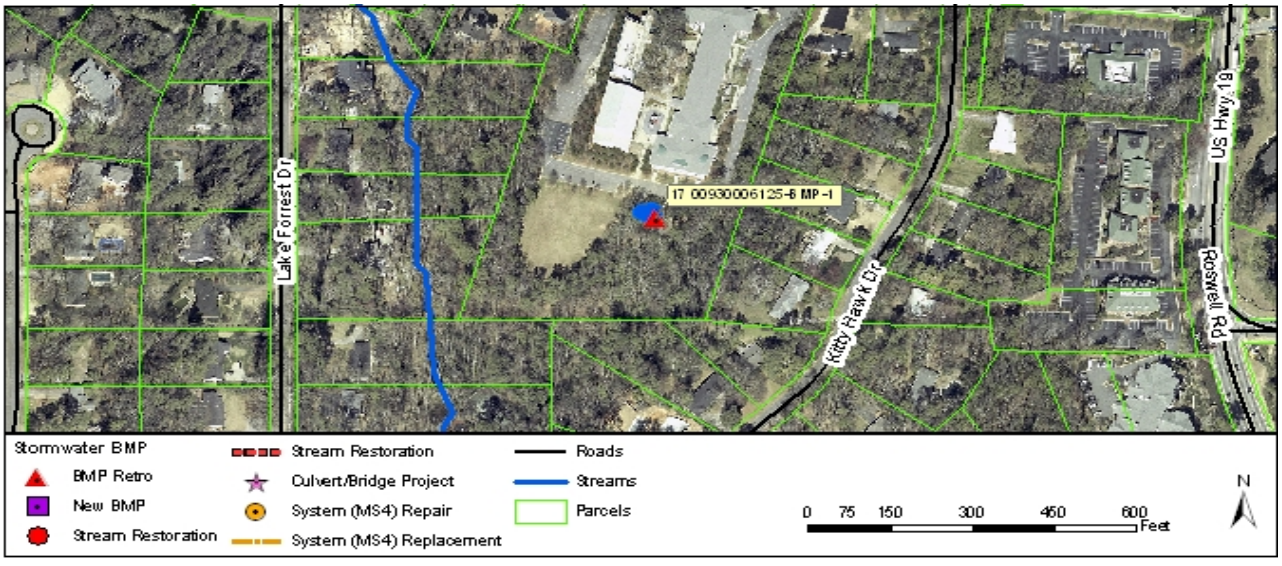

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: **17 00930006125-BMP-1**
Asset Number: **AGM_03549**

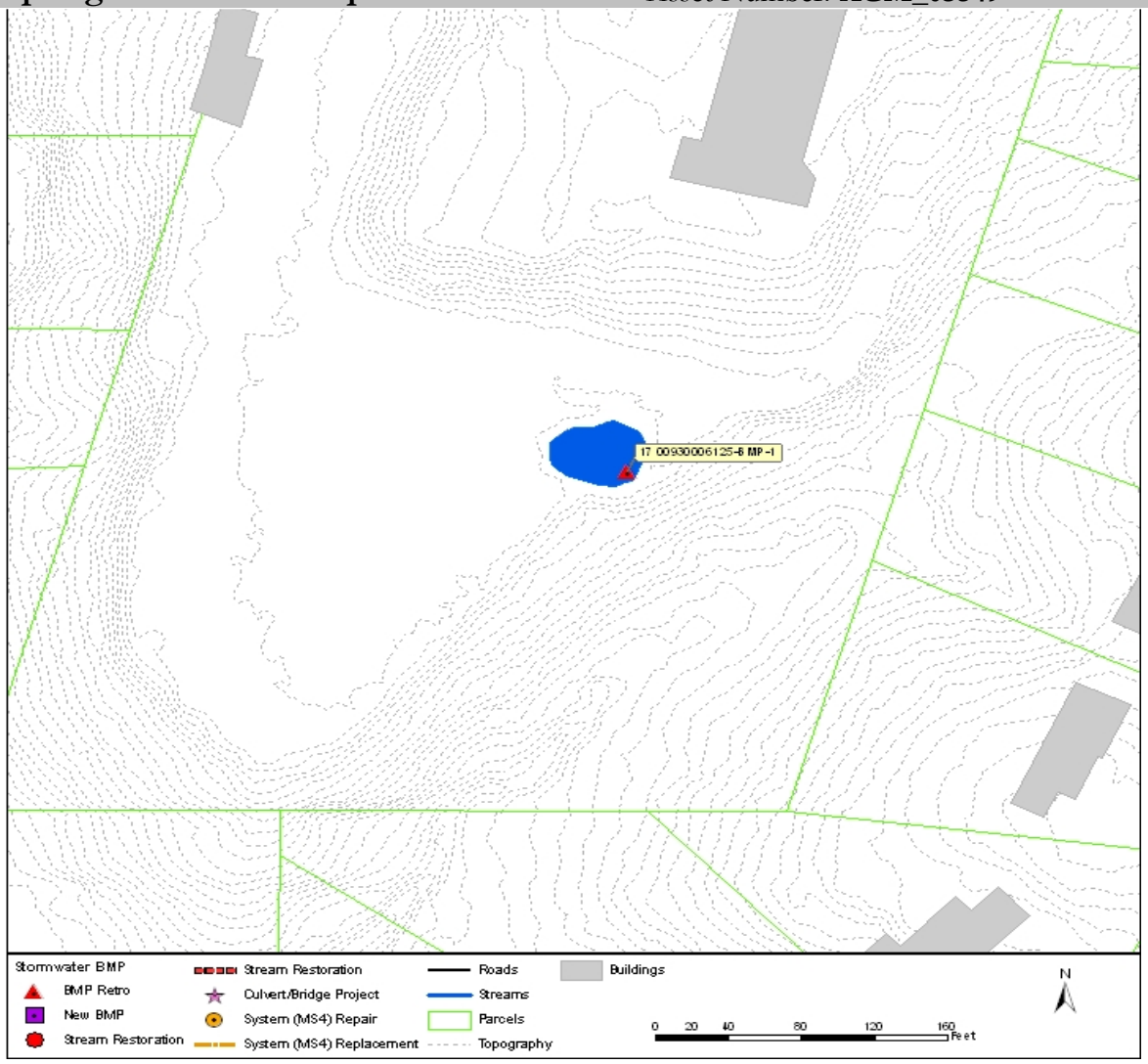

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	412	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	3,557	ft^3
Parcel Ownership:	Private		Potential Volume:	3,557	ft^3
Land Use:	Woods - Grass Combination		WQ Volume:	2,153	ft^3
	Fair		CP Volume:	8,593	ft^3
			25-Year Volume:	10,811	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:	1.0	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	26	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	18	
Flood Width Over Road:	N/A	ft	Change in Risk:	8	
Structure Type:	N/A		**Benefit/Cost:**	2.80	
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 00930006131-BMP-1**
Asset Number: **AGM_03418**

Benefit/Cost:	3.13	Address:	4920 Roswell Rd
Estimated Cost:	$345,000	Study Area:	Nancy 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 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 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.

Photos and Maps

Photo 1

Photo 2

No photo available

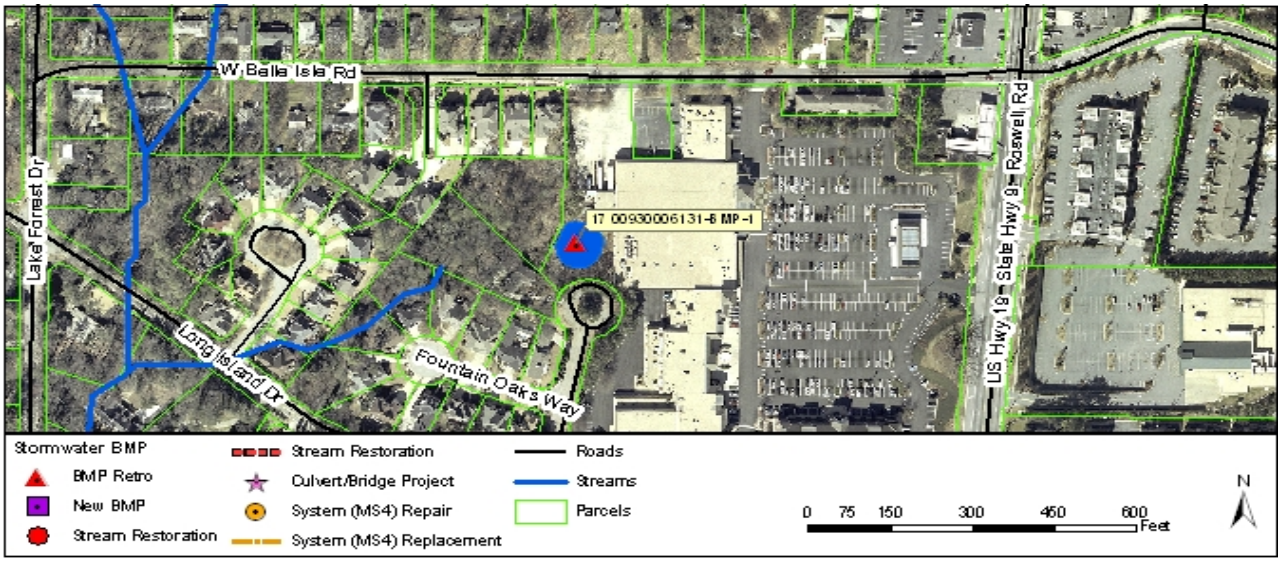

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 00930006131-BMP-1**
Sandy Springs Watershed Improvement Plan Asset Number: **AGM_03418**

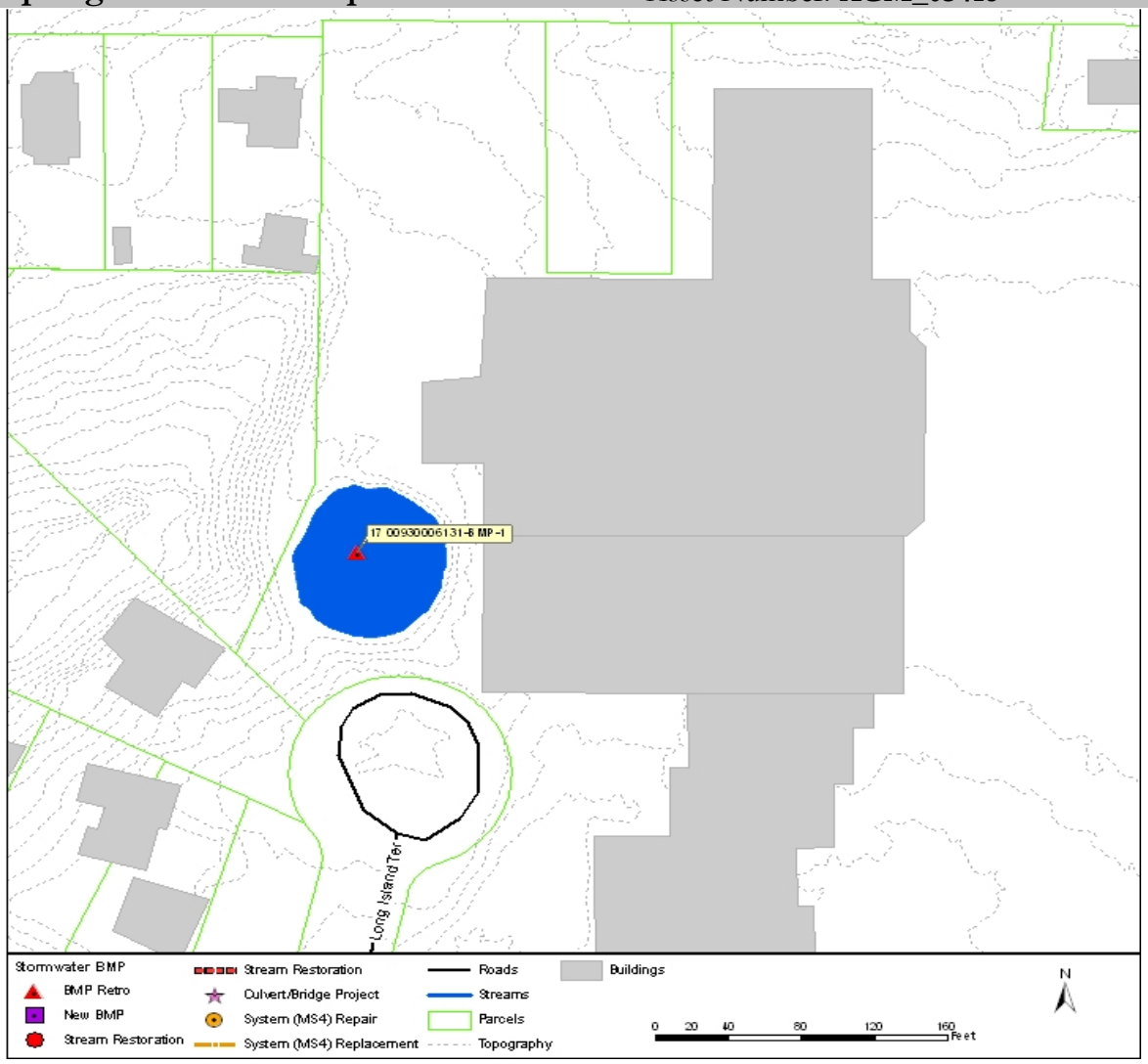

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5		TSS Yield:	494	lb/ac/yr
Asset Ownership:	8: Non SF Res-Not Attached		Existing Volume:	39,842	ft^3
Parcel Ownership:	Private		Potential Volume:	49,802	ft^3
Land Use:	Commercial; Woods - Grass Combination Fair		WQ Volume:	72,846	ft^3
			CP Volume:	219,866	ft^3
			25-Year Volume:	284,953	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:	23.3	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X		Existing Risk:	45	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	32	
Flood Width Over Road:	N/A	ft	Change in Risk:	13	
Structure Type:	N/A		**Benefit/Cost:**	3.13	
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 00940001092-BMP-1**
Asset Number: **AGM_03272**

Benefit/Cost:	2.37	Address:	4654 Roswell Rd
Estimated Cost:	$238,000	Study Area:	Nancy 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; Residential - 1/2 acre area near Roswell Rd. 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

No photo available

Photo 2

No photo available

Figure 1 Plan View of Project with Aerial Photography

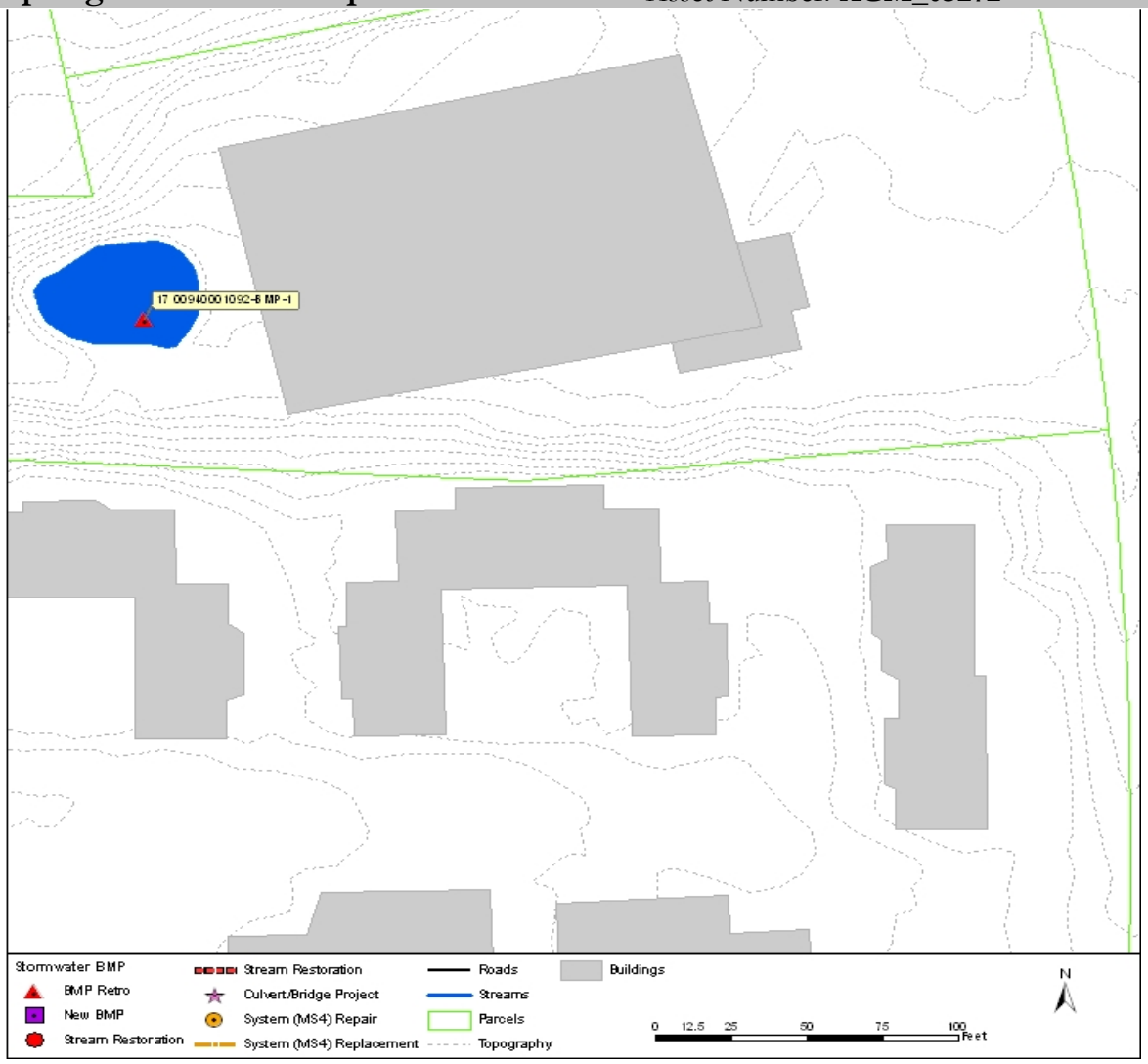

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	327	lb/ac/yr
Asset Ownership:	6: Non SF Res-Attached		Existing Volume:	4,860	ft^3
Parcel Ownership:	Private		Potential Volume:	4,860	ft^3
Land Use:	Commercial; Residential - 1/2 acre lot size		WQ Volume:	648	ft^3
			CP Volume:	3,969	ft^3
			25-Year Volume:	5,018	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:	0.6	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:	11	
Flood Width Over Road:	N/A	ft	Change in Risk:	7	
Structure Type:	N/A		**Benefit/Cost:**	2.37	
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 01190005040-BMP-1**
Asset Number: **AGM_00711**

Benefit/Cost:	1.92	Address:	0 Lake Forrest Dr
Estimated Cost:	$332,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1/2 acre; Woods - Grass Combination area near Lake Forrest Dr. This BMP is online and may therefore present a permitting difficulty. Also, the ownership of this BMP is under review. 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.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

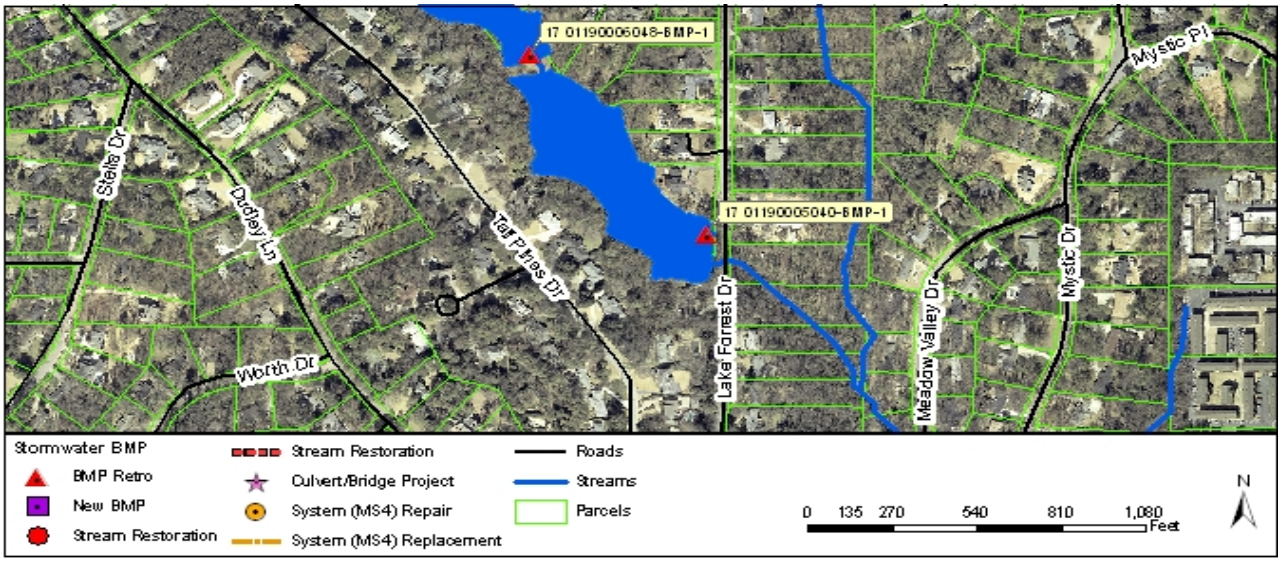

Figure 1 Plan View of Project with Aerial Photography

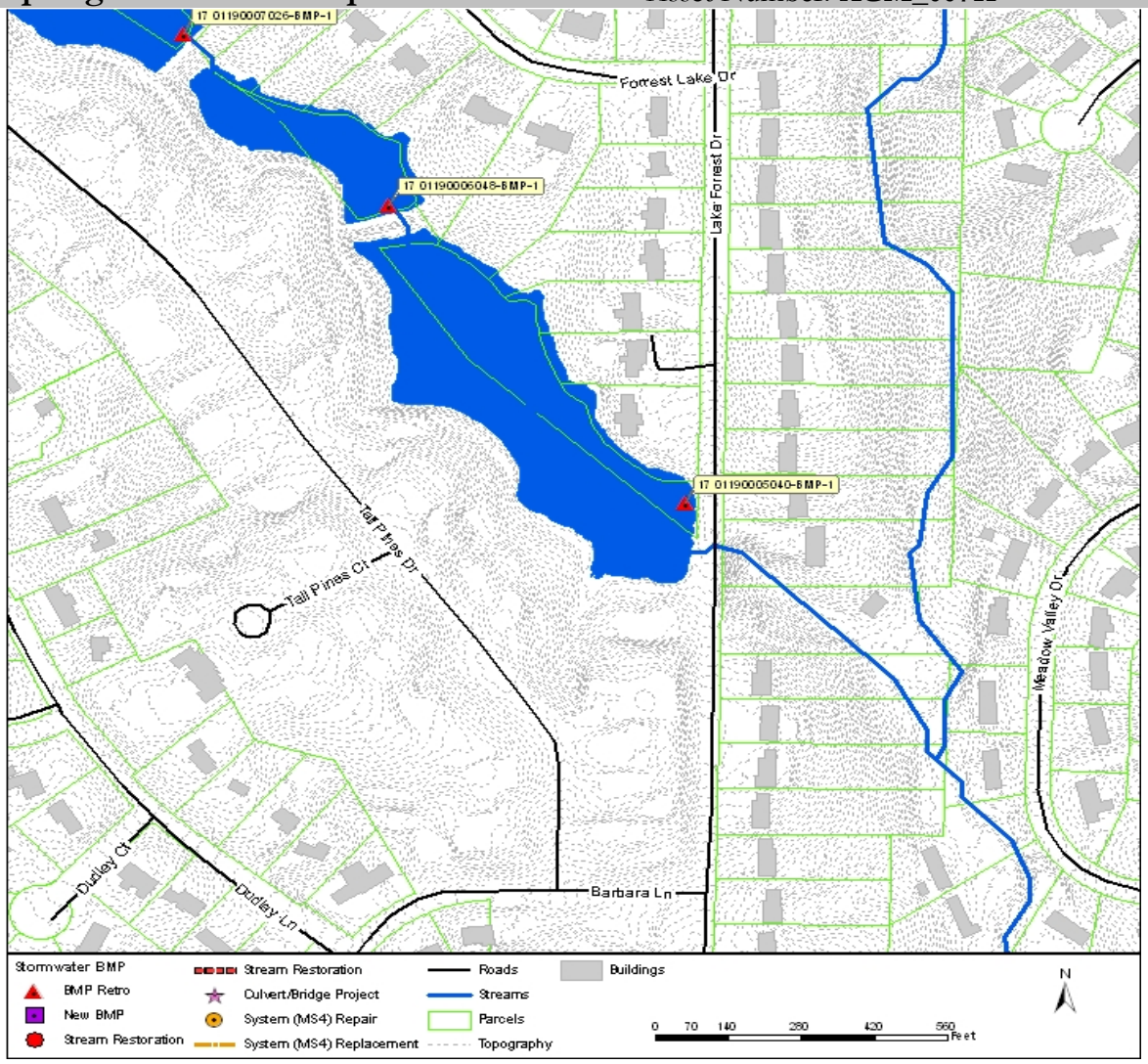

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	29	lb/ac/yr
Asset Ownership:	2: County		Existing Volume:	3,071,771	ft^3
Parcel Ownership:	City, Private		Potential Volume:	3,071,771	ft^3
Land Use:	Residential - 1/2 acre lot size;		WQ Volume:	203,565	ft^3
	Water; Woods - Grass		CP Volume:	671,397	ft^3
	Combination Fair		25-Year Volume:	730,050	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:	160.7 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:	8	
Structure Type:	N/A		**Benefit/Cost:**	1.92	
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 01190006048-BMP-1**
Asset Number: **AGM_00746**

Benefit/Cost:	1.82	Address:	0 Tall Pines Dr
Estimated Cost:	$293,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Woods - Grass Combination area near Tall Pines Dr. This BMP is online and may therefore present a permitting difficulty. Also, the ownership of this BMP is under review. 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 f or 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

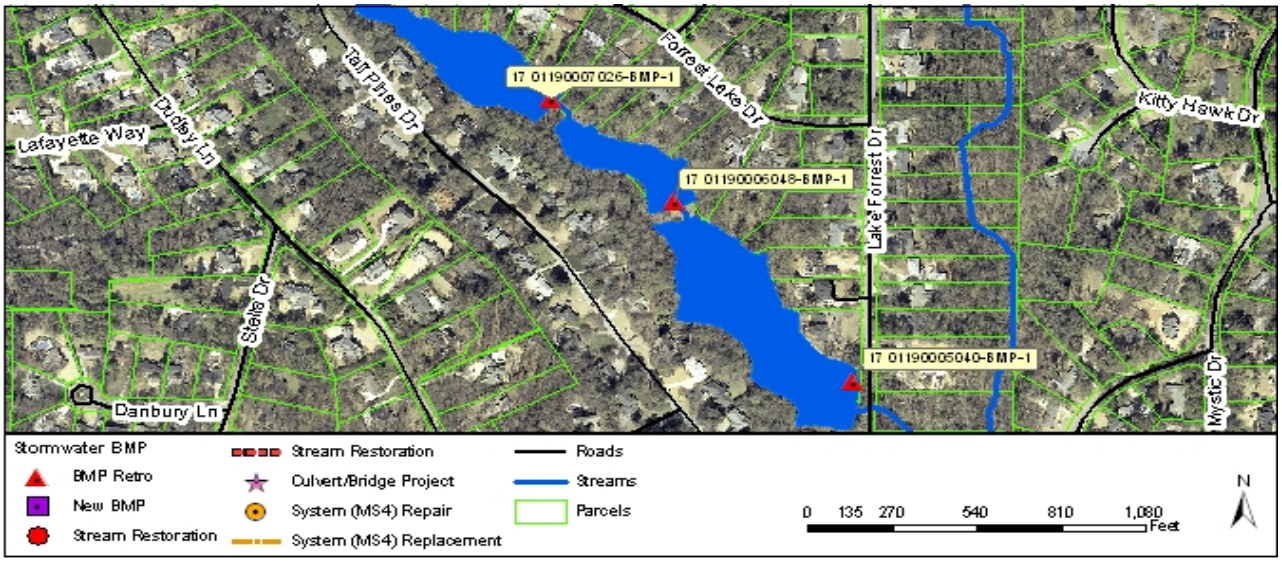

Figure 1 Plan View of Project with Aerial Photography

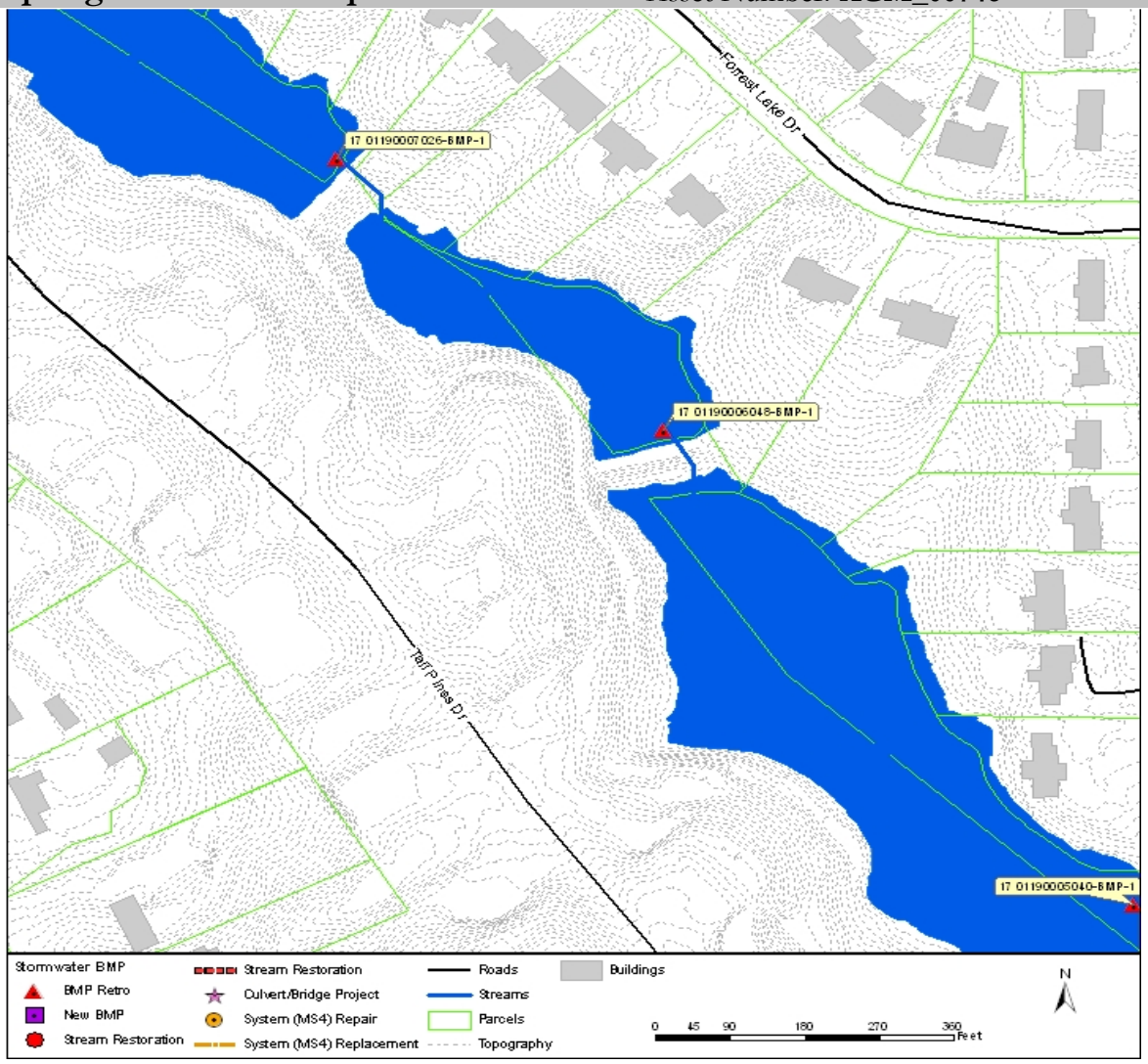

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	46	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	615,632	ft^3
Parcel Ownership:	City, Private		Potential Volume:	615,632	ft^3
Land Use:	Water; Woods - Grass Combination Fair		WQ Volume:	163,938	ft^3
			CP Volume:	522,580	ft^3
			25-Year Volume:	570,485	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:	126.8	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:	16	
Flood Width Over Road:	N/A	ft	Change in Risk:	7	
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 01190007026-BMP-1**
Asset Number: **AGM_00764**

Benefit/Cost:	2.67	Address:	0 Tall Pines Dr
Estimated Cost:	$499,000	Study Area:	Nancy Creek
		Proposed Project Type:	Wet Pond

Project Description

Retrofit existing wet pond. The existing BMP is located on a Residential - 1/2 acre; Woods - Grass Combination area near Tall Pines Dr. This BMP is online and may therefore present a permitting difficulty. Also, the ownership of this BMP is under review. 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

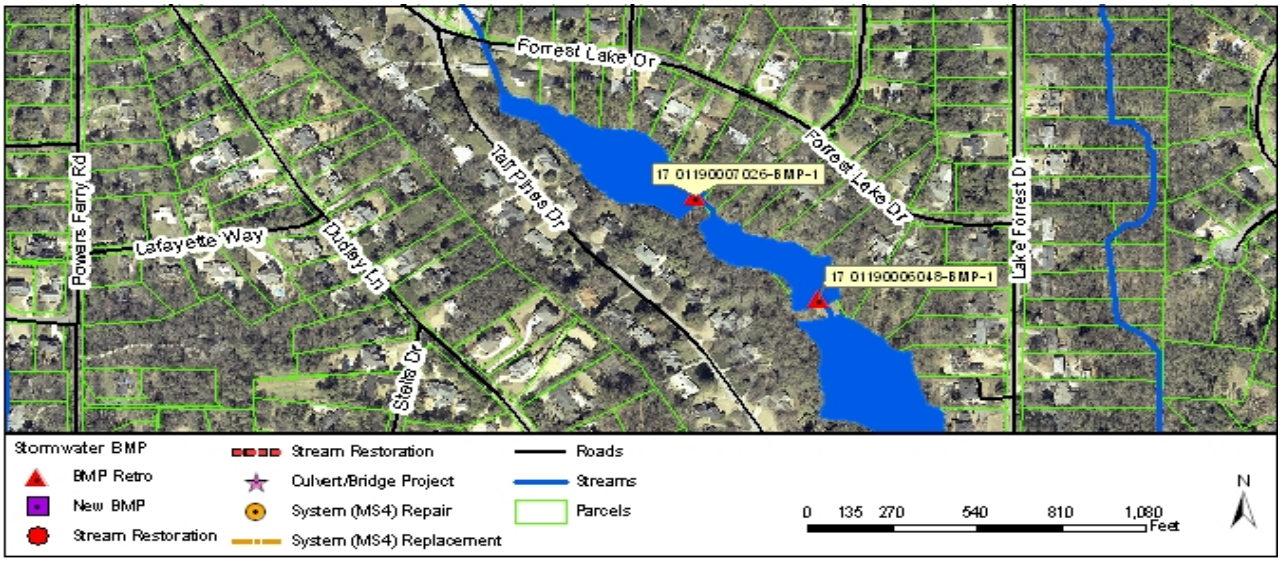

Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation Project ID: **17 01190007026-BMP-1**

Sandy Springs Watershed Improvement Plan Asset Number: **AGM_00764**

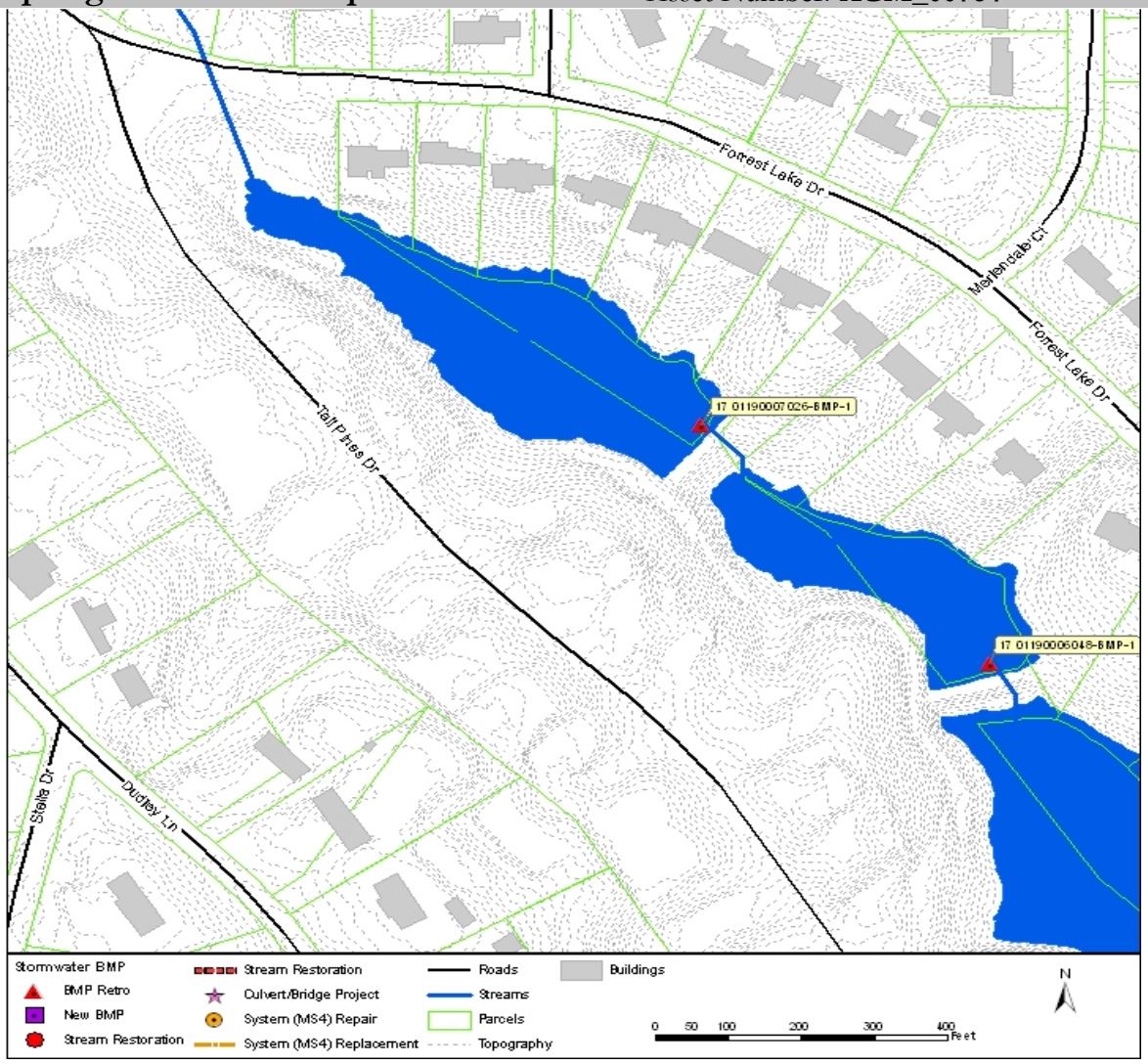

Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 6		TSS Yield:	88	lb/ac/yr
Asset Ownership:	7: SF Residential-Not Attach		Existing Volume:	1,058,026	ft^3
Parcel Ownership:	City, Private		Potential Volume:	1,058,026	ft^3
Land Use:	Residential - 1/2 acre lot size;		WQ Volume:	139,209	ft^3
	Water; Woods - Grass		CP Volume:	447,109	ft^3
	Combination Fair		25-Year Volume:	493,336	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:	107.9	acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500, X		Existing Risk:	25	
Max Flood Depth Over Road:	N/A	ft	Proposed Risk:	14	
Flood Width Over Road:	N/A	ft	Change in Risk:	11	
Structure Type:	N/A		**Benefit/Cost:**	2.67	
Pipe Size:	N/A	ft			
Structure/Pipe Age:	N/A				
Structure/Pipe Conditions:	N/A				