

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
Estimated Cost: \$436,000

Address: 32 Mount Paran Rd Nw
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

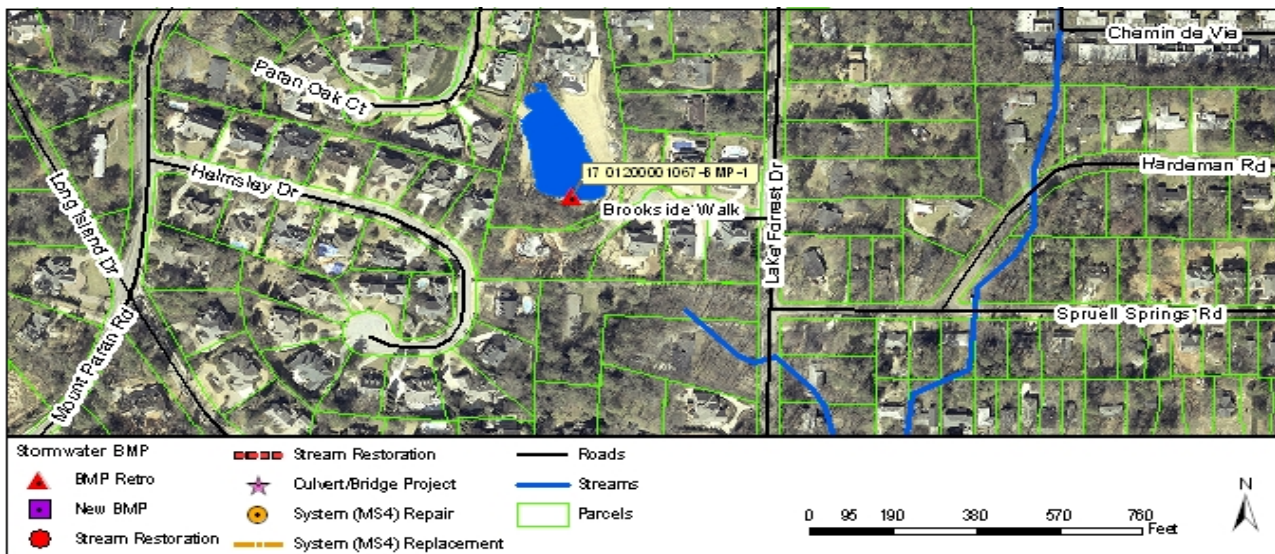


Figure 1 Plan View of Project with Aerial Photography

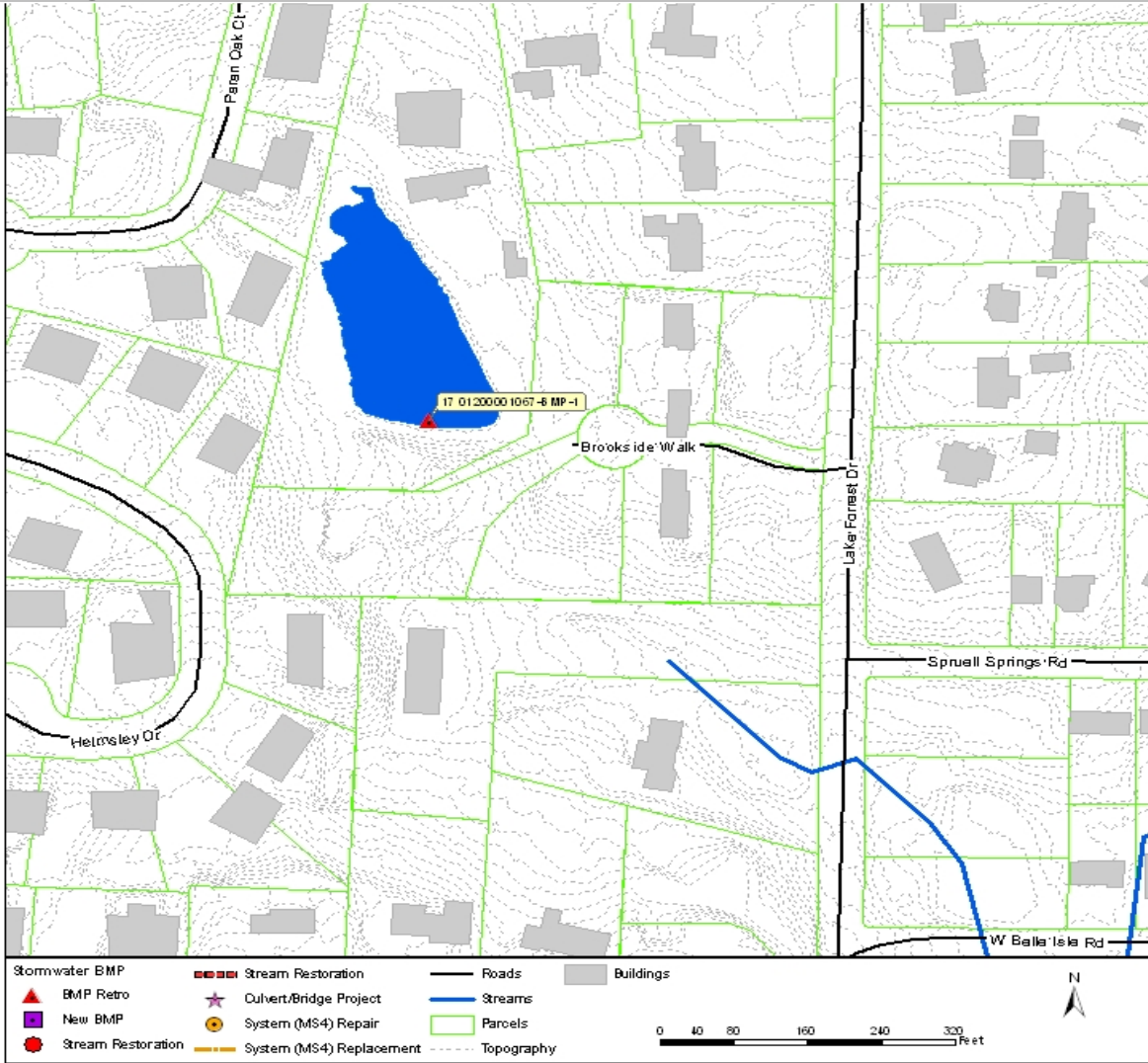


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$526,000

Address: 715 Registry Ln
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

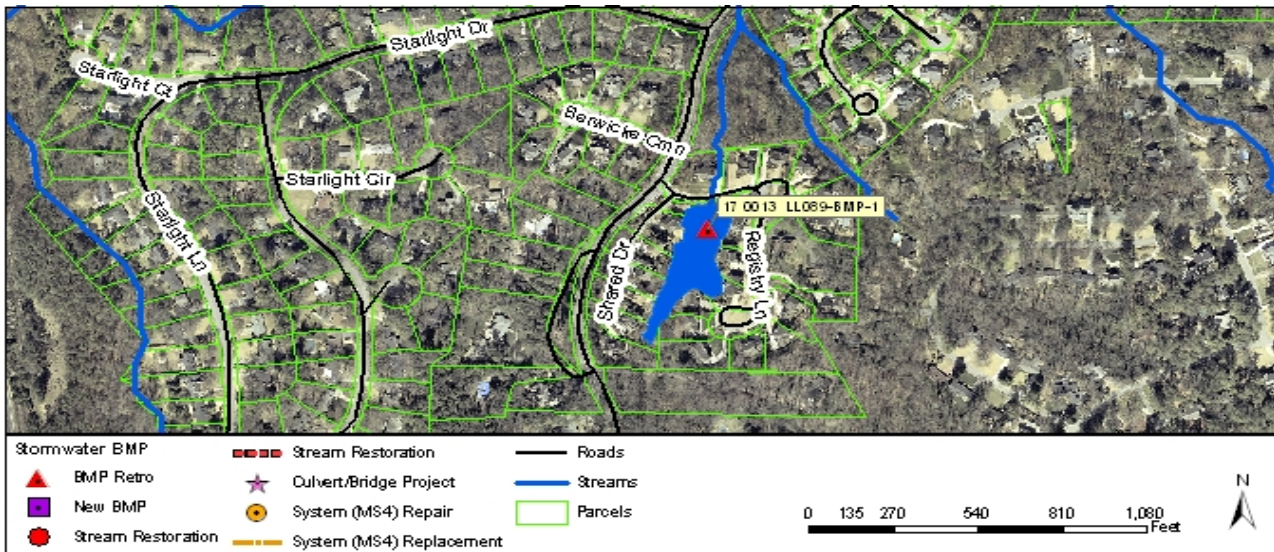


Figure 1 Plan View of Project with Aerial Photography

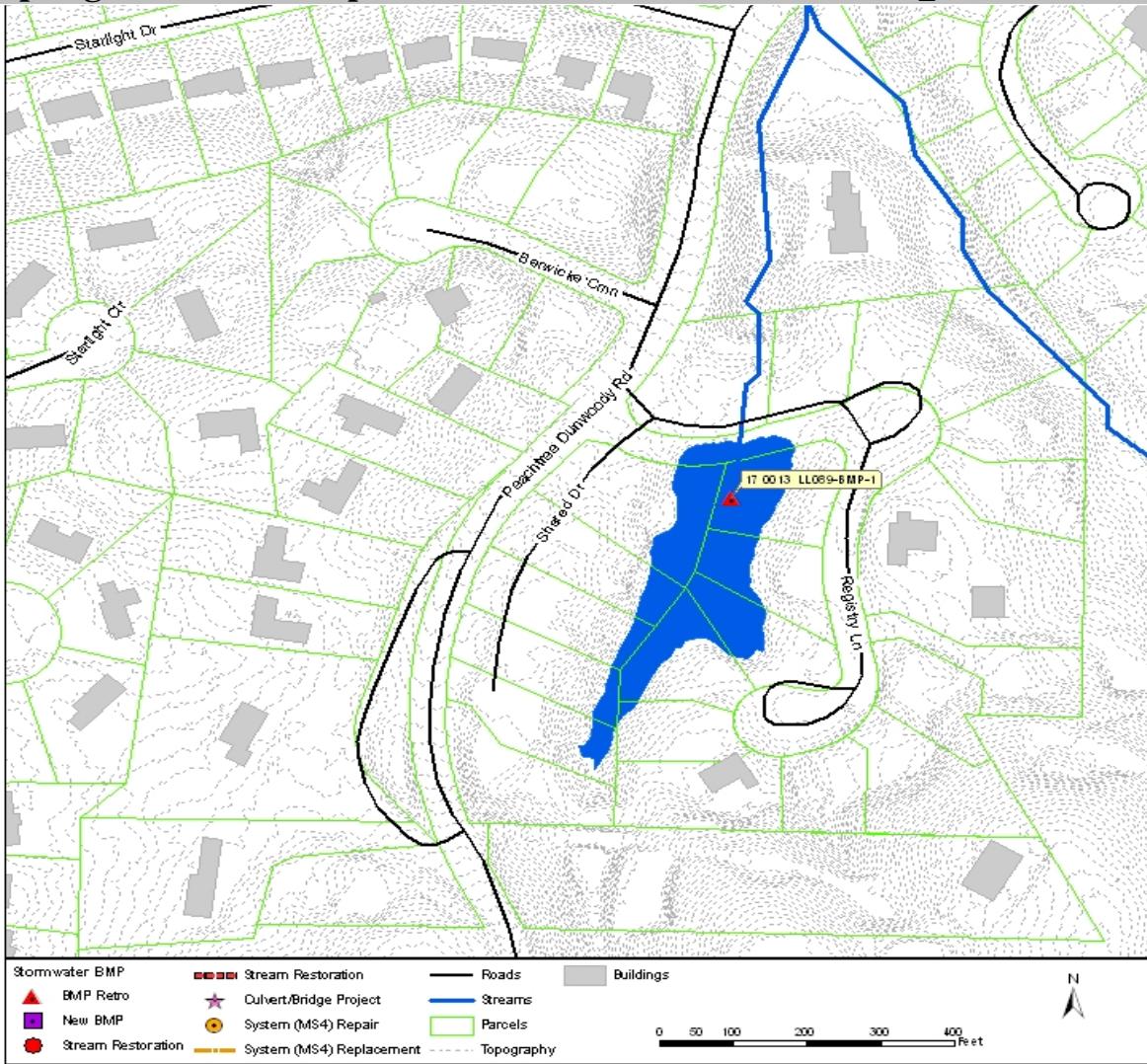


Figure 2 Plan View of Project with Topography

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
 Estimated Cost: \$499,000

Address: 555 Trimble Lake Ct

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

Photo 2

No photo available

No photo available

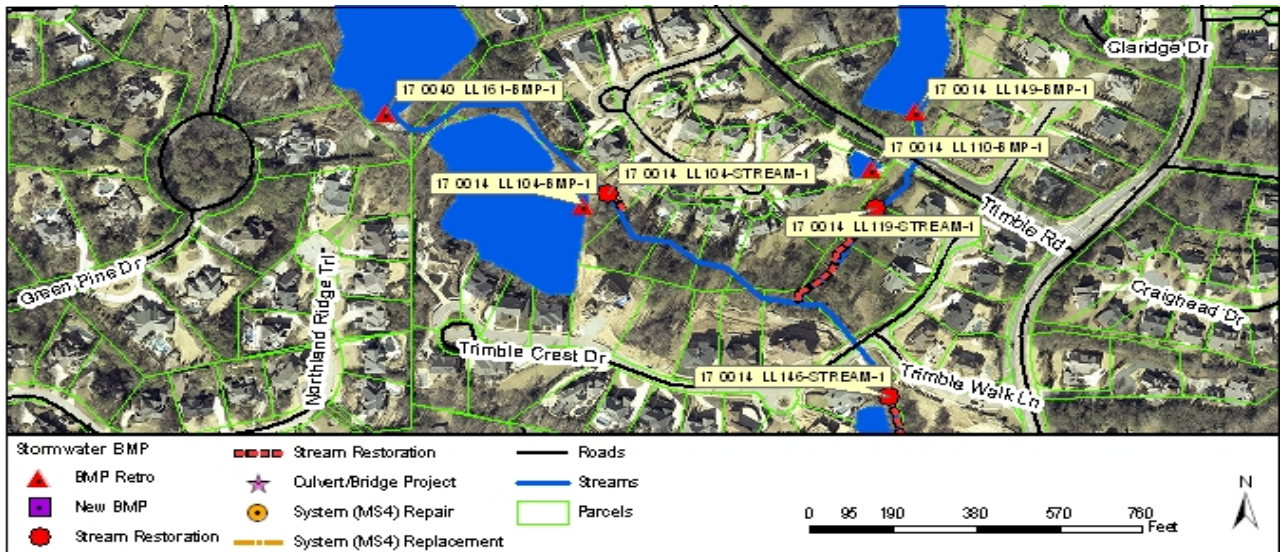


Figure 1 Plan View of Project with Aerial Photography

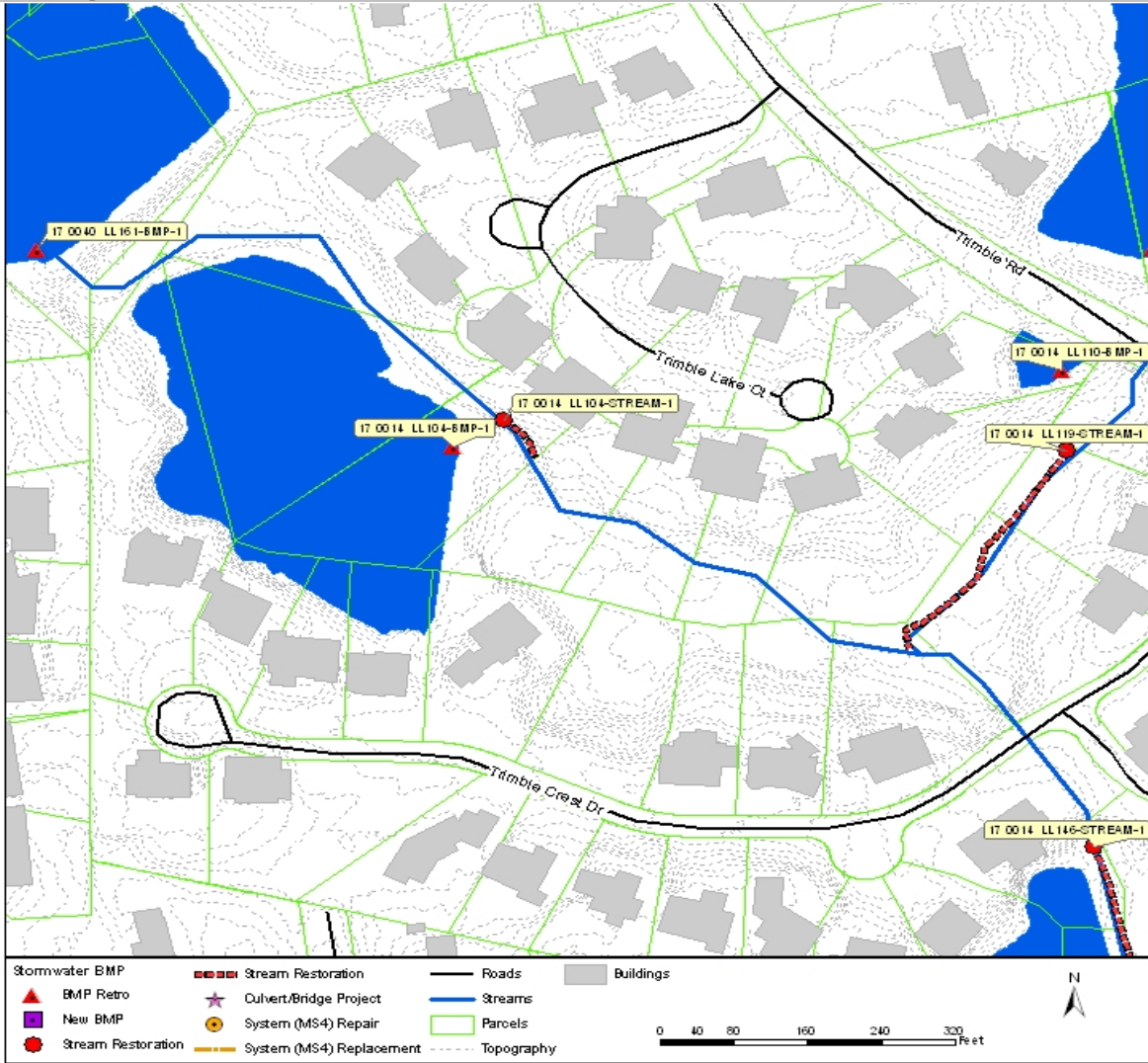


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 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; Residential - 1/2 acre lot size; Water; Woods - Grass	WQ Volume:	27,302	ft ³
	Combination Fair	CP Volume:	65,844	ft ³
		25-Year Volume:	75,982	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	Y	Stream Order:	Offline	
Drainage Area:	12.6 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X500	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	10	
Flood Width Over Road:	N/A ft	Proposed Risk:	5	
Structure Type:	N/A	Change in Risk:	6	
Pipe Size:	N/A ft	Benefit/Cost:	1.39	
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
 Estimated Cost: \$110,000

Address: 555 Trimble Lake Ct

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

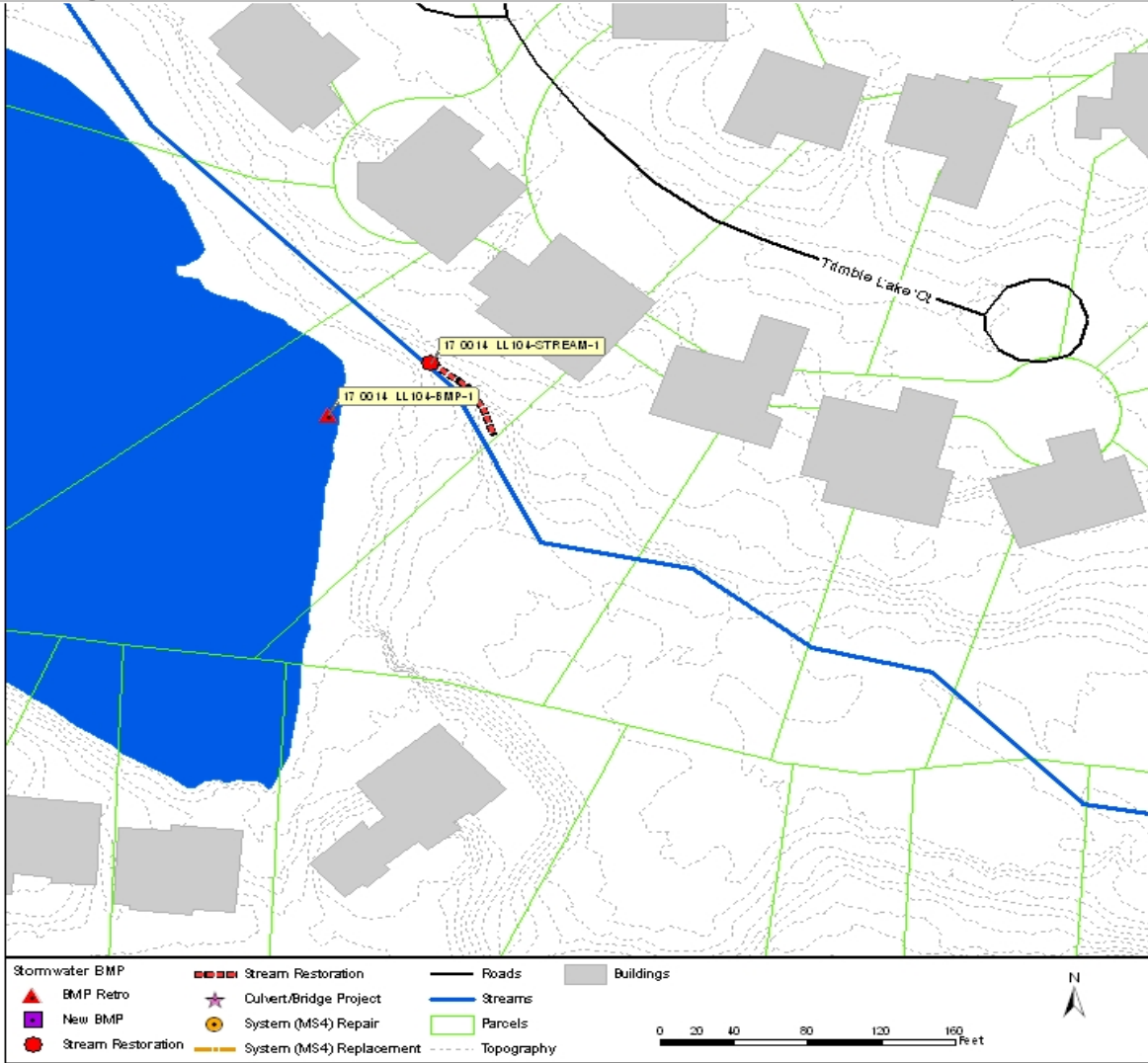


Figure 2 Plan View of Project with Topography

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
TMDL Stream(FecalColiform):	Y	Stream Project Length:	59	ft
TMDL Stream (Biota):	Y	Stream Order:	2	
Drainage Area:	322.1 acres	Bank Stability (% exposed):	75-100% LB	75-100% RB
FEMA Flood Hazard Zone:	X500	Bank Height:	5ft LB	5ft RB
Max Flood Depth Over Road:	N/A ft	Existing Risk:	32	
Flood Width Over Road:	N/A ft	Proposed Risk:	14	
Structure Type:	N/A	Change in Risk:	19	
Pipe Size:	N/A ft	Benefit/Cost:	6.19	
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
Estimated Cost: \$246,000

Address: 550 Trimble Lake Ct

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

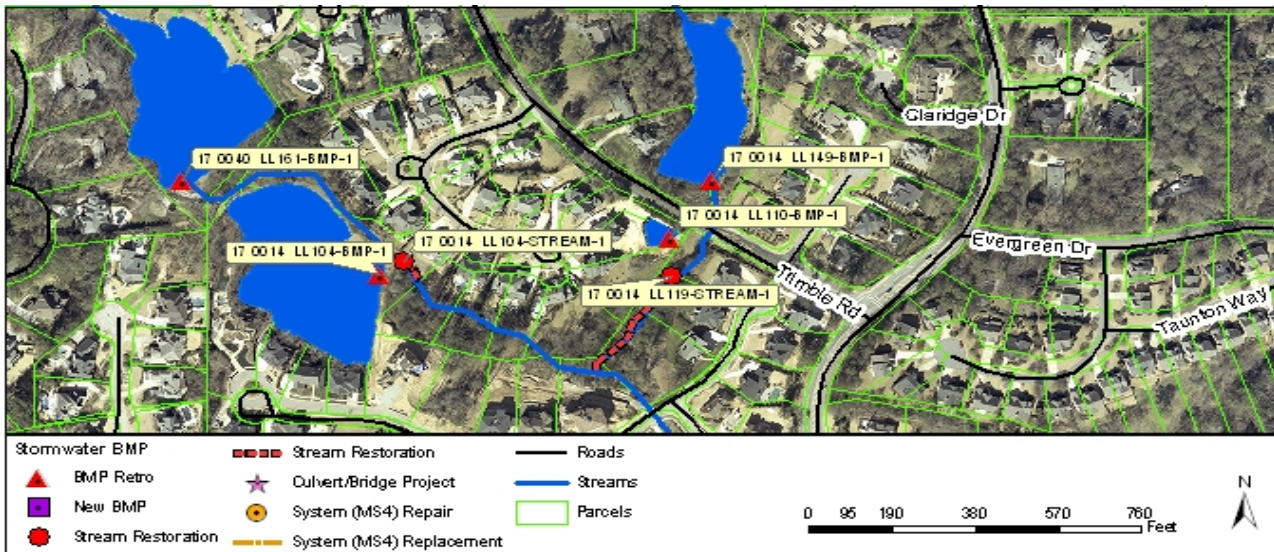


Figure 1 Plan View of Project with Aerial Photography

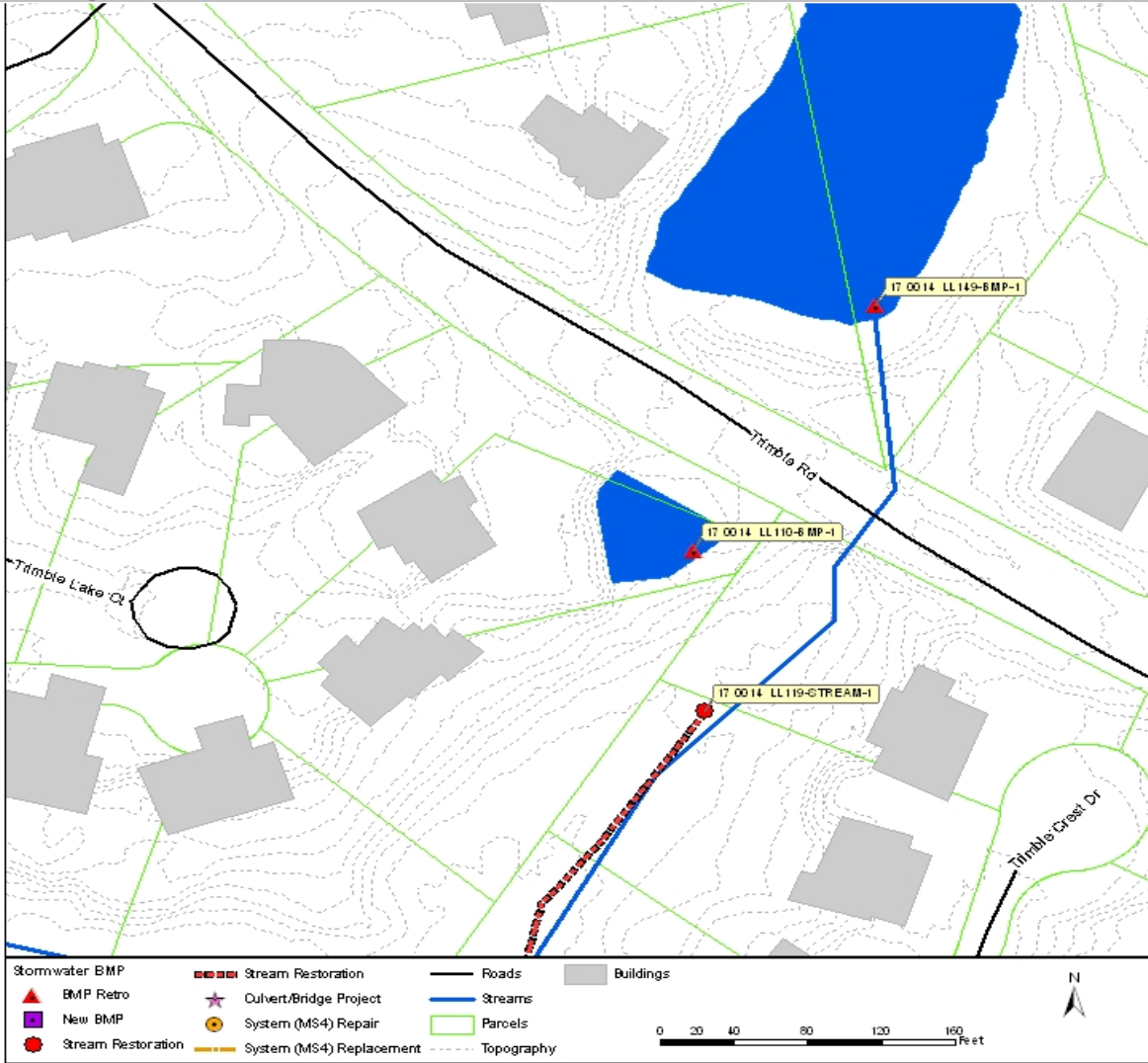


Figure 2 Plan View of Project with Topography

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

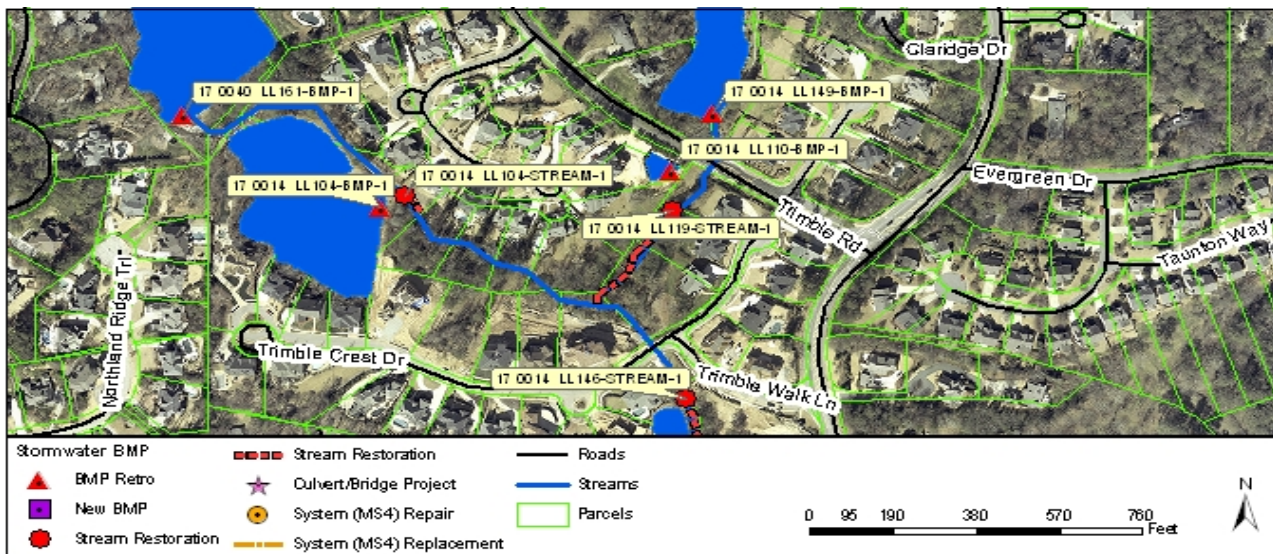


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

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

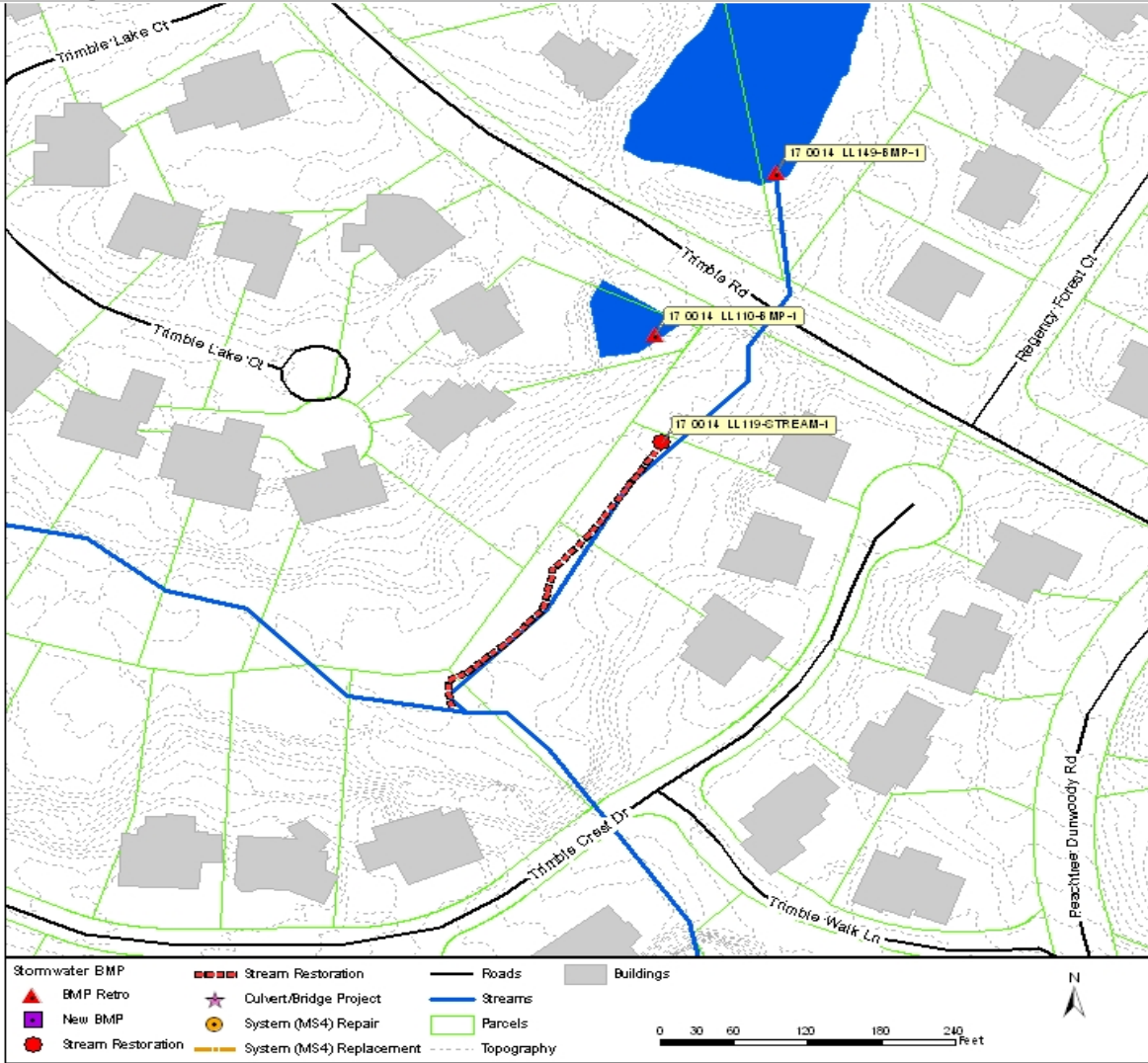


Figure 2 Plan View of Project with Topography

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
Land Condition:	Fair	CP Volume:	N/A	ft ³
		25-Year Volume:	N/A	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	316	ft
TMDL Stream (Biota):	Y	Stream Order:	1	
Drainage Area:	174.0 acres	Bank Stability (% exposed):	75-100% LB	75-100% RB
FEMA Flood Hazard Zone:	X500	Bank Height:	3ft LB	3ft RB
Max Flood Depth Over Road:	N/A ft	Existing Risk:	31	
Flood Width Over Road:	N/A ft	Proposed Risk:	16	
Structure Type:	N/A	Change in Risk:	15	
Pipe Size:	N/A ft	Benefit/Cost:	3.81	
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
 Estimated Cost: \$464,000

Address: 700 Trimble Crest Drive
 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

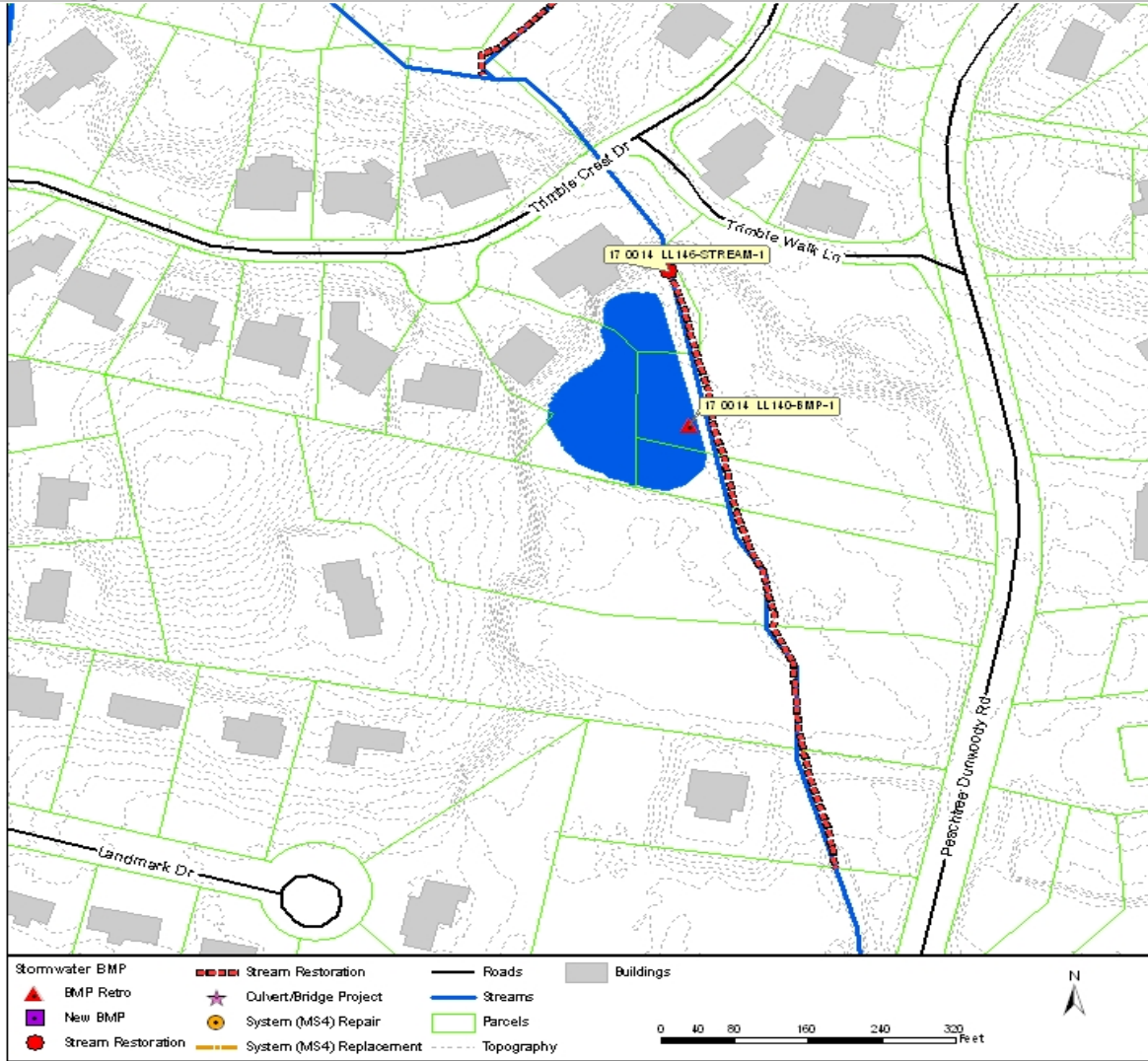


Figure 2 Plan View of Project with Topography

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; Water; Woods - Grass Combination Fair	WQ Volume:	4,424	ft ³
		CP Volume:	9,477	ft ³
		25-Year Volume:	10,721	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	Y	Stream Order:	Offline	
Drainage Area:	1.7 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	AE, X	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	8	
Flood Width Over Road:	N/A ft	Proposed Risk:	4	
Structure Type:	N/A	Change in Risk:	4	
Pipe Size:	N/A ft	Benefit/Cost:	0.89	
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
Estimated Cost: \$853,000

Address: 215 Trimble Crest Drive

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

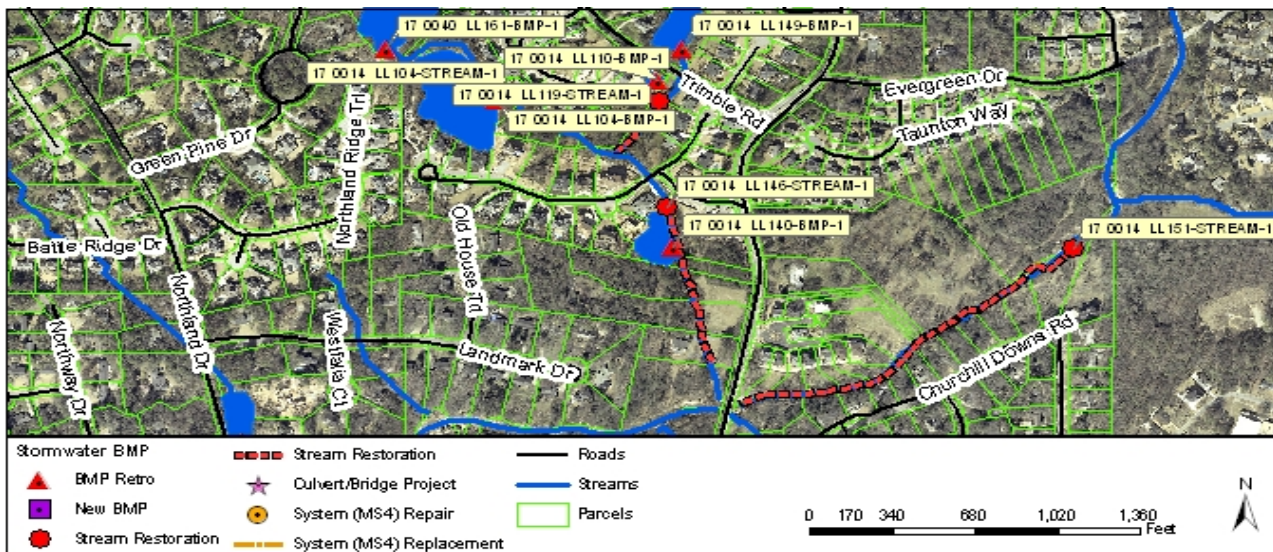


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0014 LL146-STREAM-1
 Asset Number: AGM_00665, AGM_00568

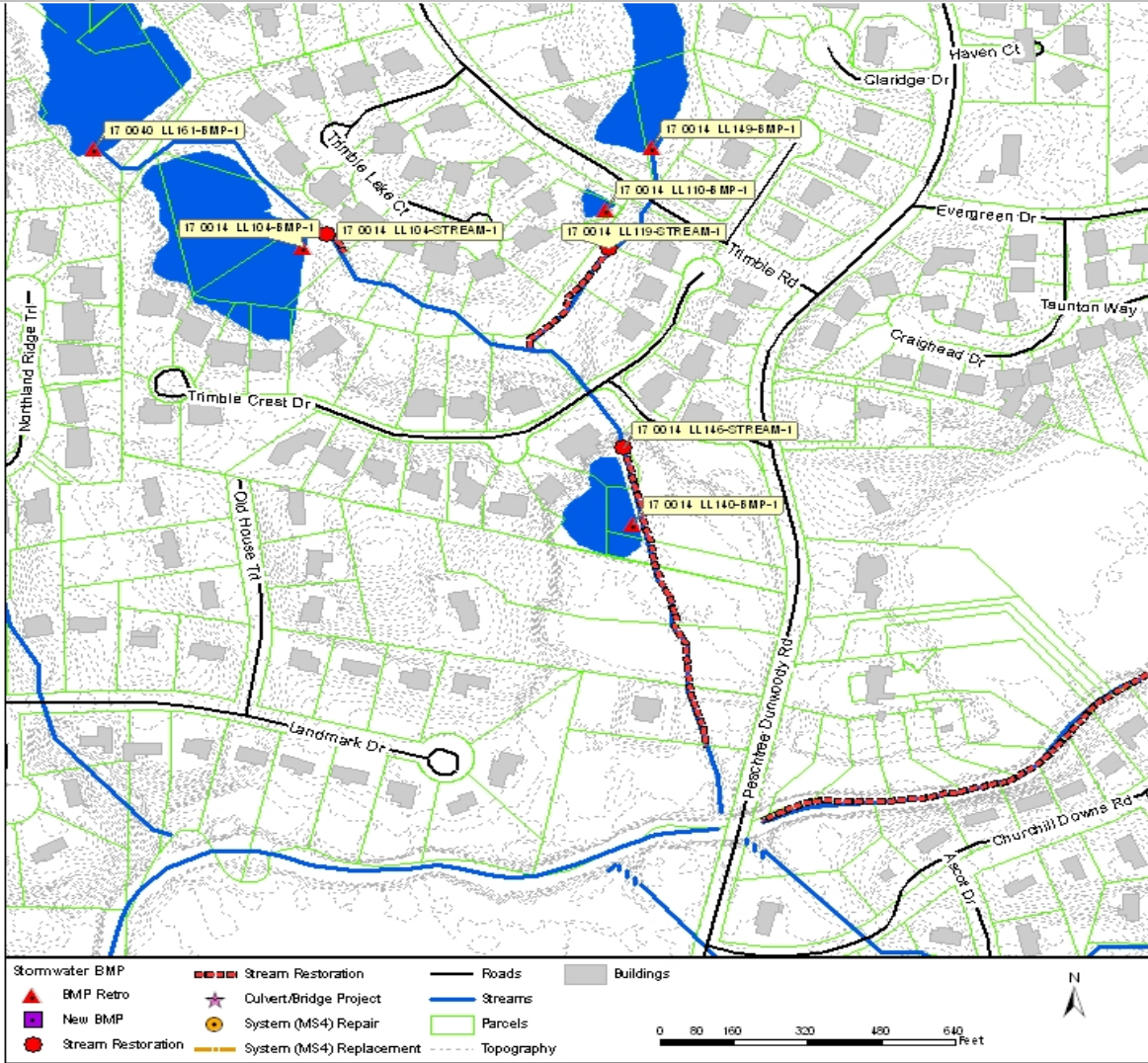


Figure 2 Plan View of Project with Topography

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; Woods - Grass Combination	WQ Volume:	N/A	ft ³
	Fair	CP Volume:	N/A	ft ³
		25-Year Volume:	N/A	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	777	ft
TMDL Stream (Biota):	Y	Stream Order:	2	
Drainage Area:	523.4 acres	Bank Stability (% exposed):	75-100% LB	75-100% RB
FEMA Flood Hazard Zone:	AE	Bank Height:	3ft LB	4ft RB
Max Flood Depth Over Road:	N/A ft	Existing Risk:	37	
Flood Width Over Road:	N/A ft	Proposed Risk:	20	
Structure Type:	N/A	Change in Risk:	17	
Pipe Size:	N/A ft	Benefit/Cost:	2.83	
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
 Estimated Cost: \$1,273,000

Address: 0 Trimble Rd
 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

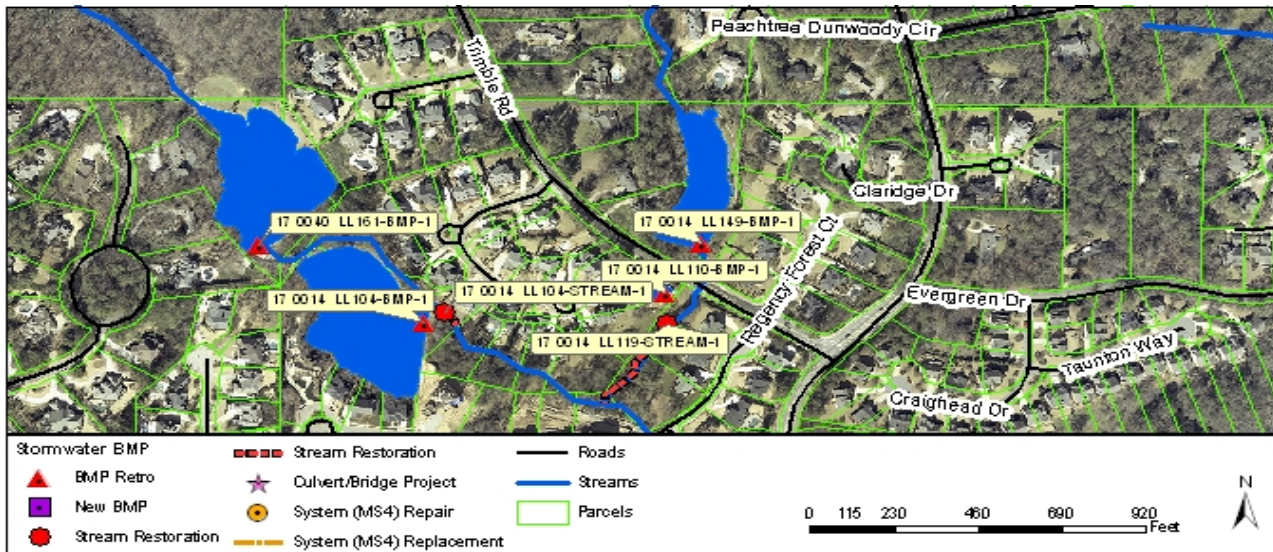


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0014 LL149-BMP-1
 Asset Number: AGM_00575

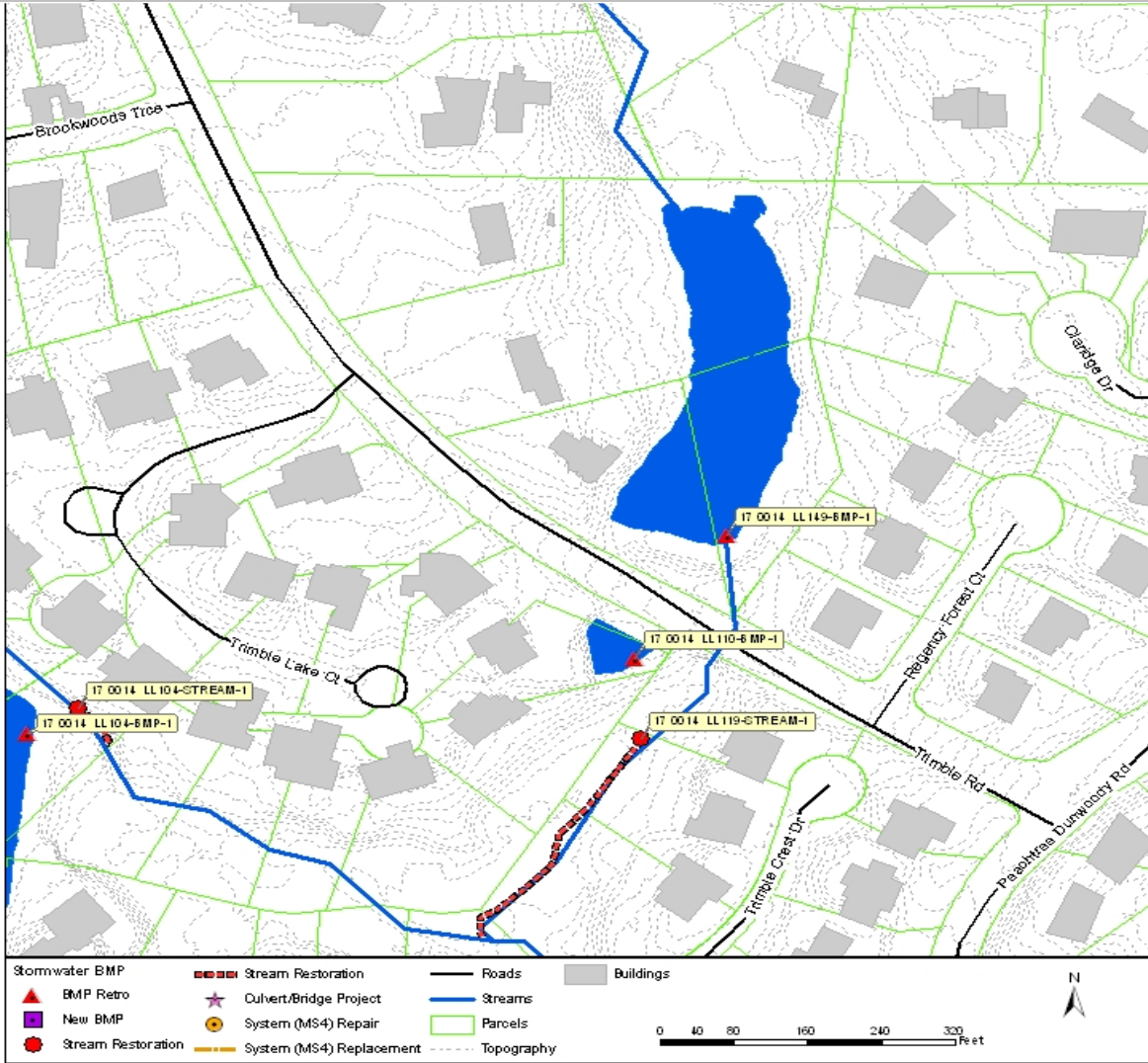


Figure 2 Plan View of Project with Topography

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
 Estimated Cost: \$1,646,000

Address: 0 Churchill Downs Road
 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

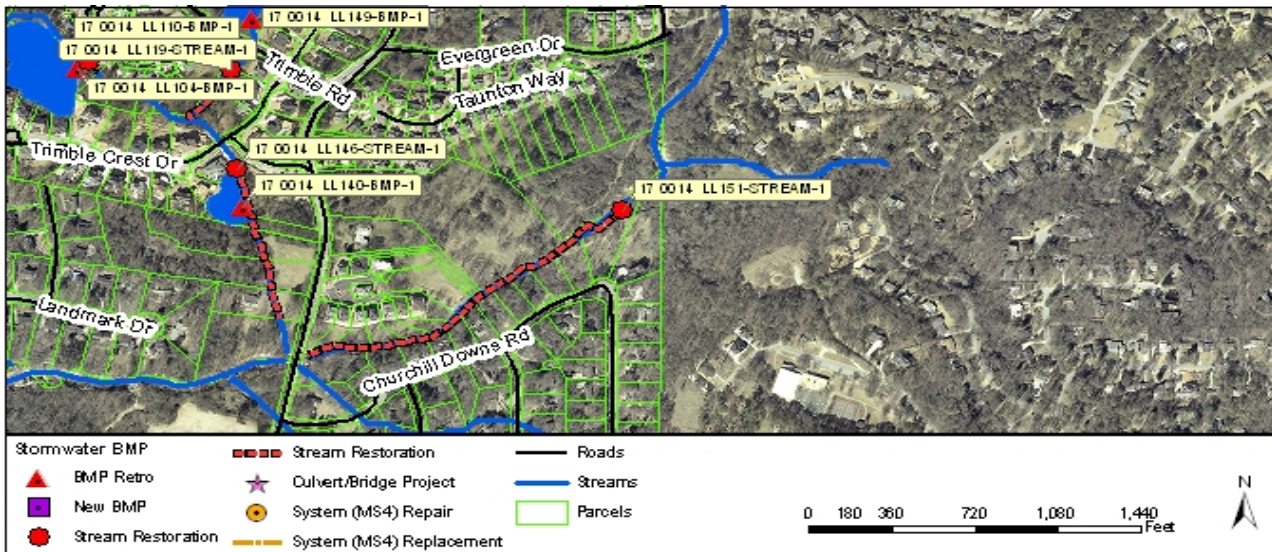


Figure 1 Plan View of Project with Aerial Photography

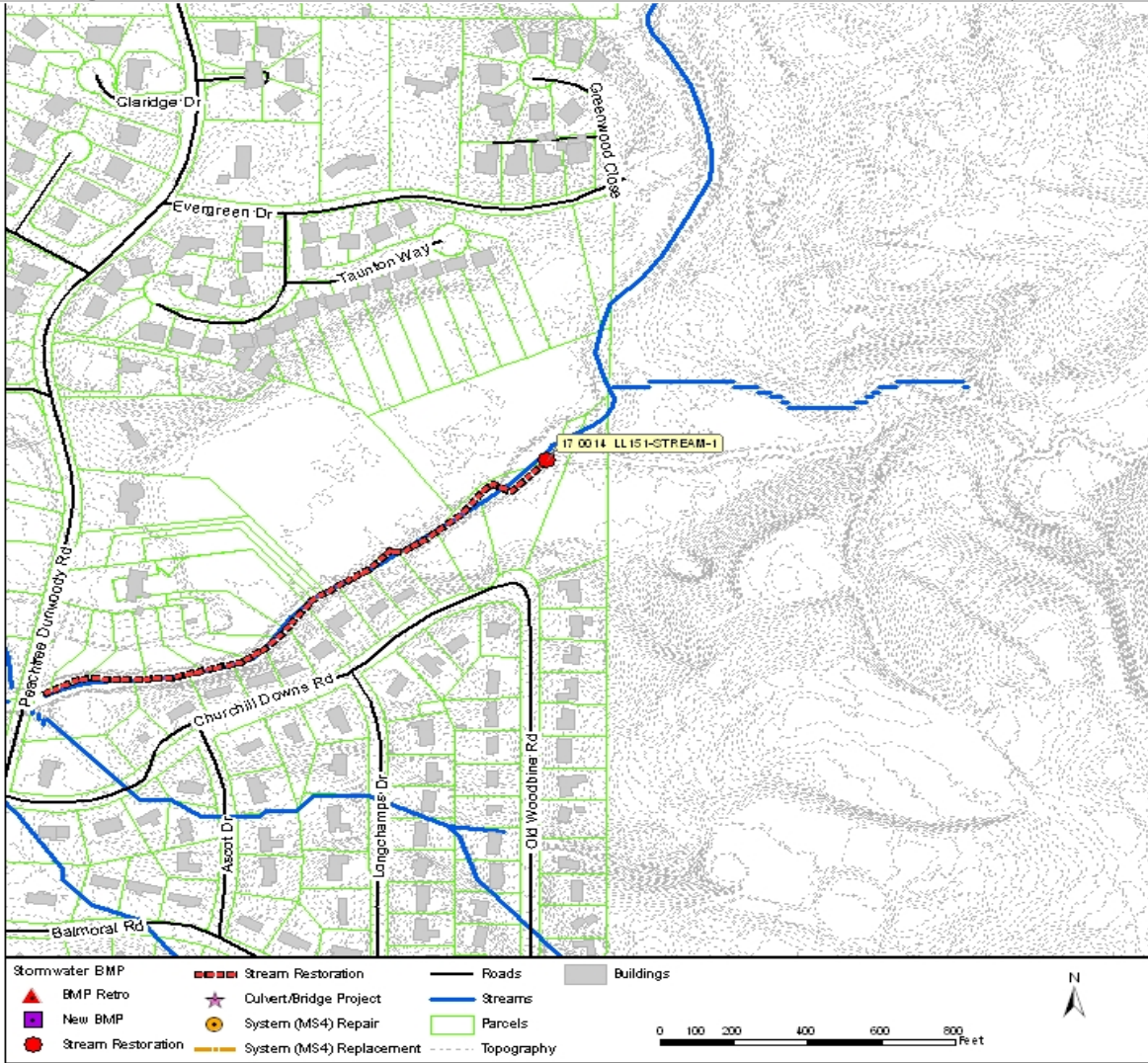


Figure 2 Plan View of Project with Topography

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; Residential - 1/2 acre lot size; Water; Woods - Grass	WQ Volume:	N/A	ft ³
	Combination Fair	CP Volume:	N/A	ft ³
TMDL Stream(FecalColiform):	Y	25-Year Volume:	N/A	ft ³
TMDL Stream (Biota):	Y	Stream Project Length:	1,650	ft
Drainage Area:	6,198.7 acres	Stream Order:	4	
FEMA Flood Hazard Zone:	AE-FLOODWAY	Bank Stability (% exposed):	50-75% LB	0-25% RB
Max Flood Depth Over Road:	N/A ft	Bank Height:	12ft LB	12ft RB
Flood Width Over Road:	N/A ft	Existing Risk:	33	
Structure Type:	N/A	Proposed Risk:	12	
Pipe Size:	N/A ft	Change in Risk:	21	
Structure/Pipe Age:	N/A	Benefit/Cost:	2.63	
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
Estimated Cost: \$750,000

Address: 5385 Peachtree Dunwoody 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 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 its capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

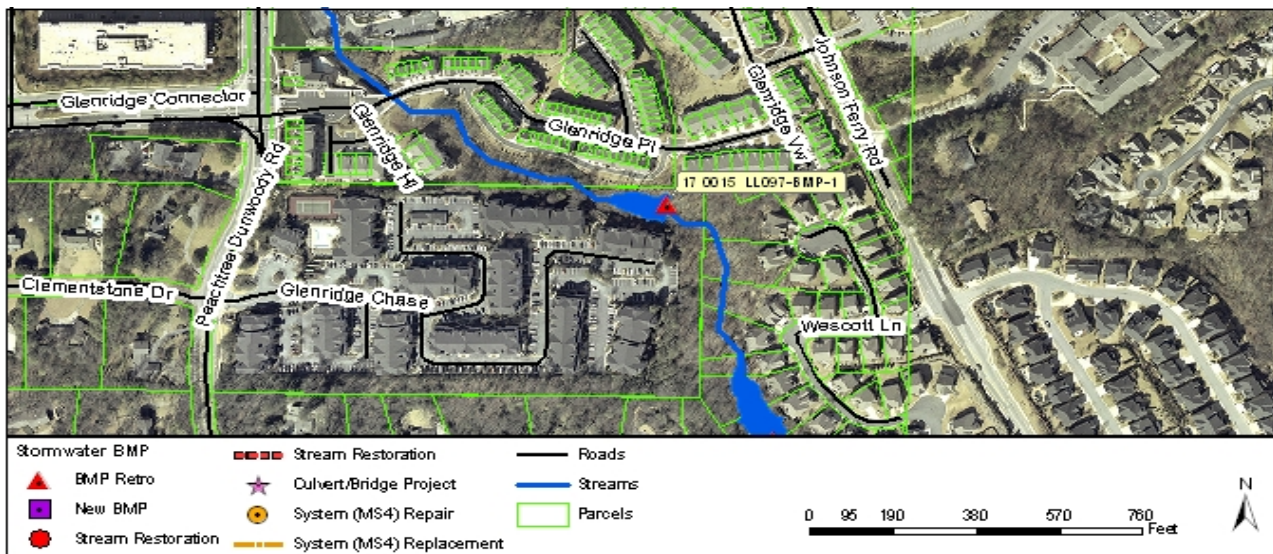


Figure 1 Plan View of Project with Aerial Photography

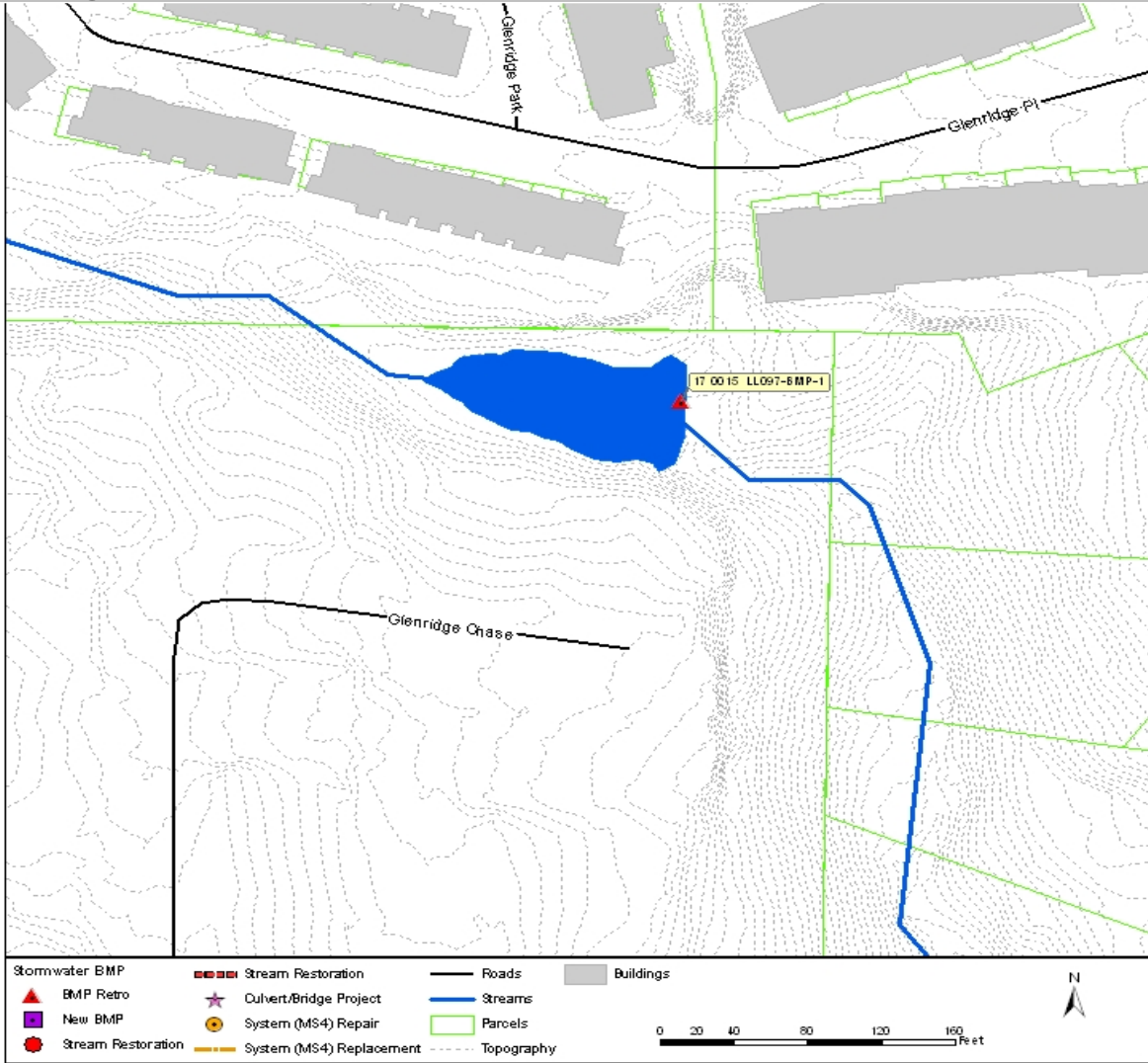


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5	TSS Yield:	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
Estimated Cost: \$807,000

Address: 972 Wescott Ln

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

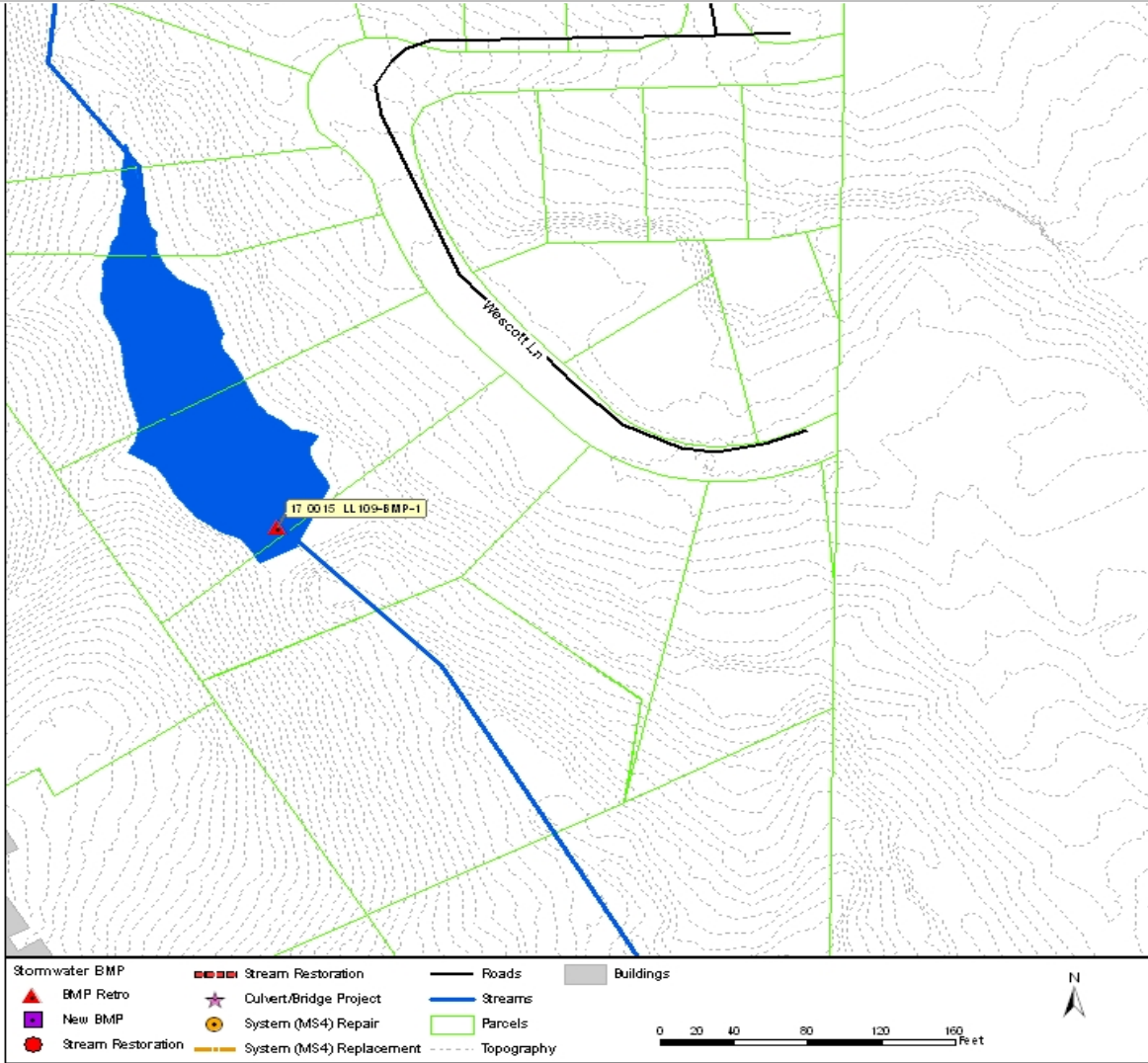


Figure 2 Plan View of Project with Topography

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; Woods - Grass Combination	WQ Volume:	180,029	ft ³
	Fair	CP Volume:	680,838	ft ³
		25-Year Volume:	875,810	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	Y	Stream Order:	1	
Drainage Area:	77.0 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	43	
Flood Width Over Road:	N/A ft	Proposed Risk:	35	
Structure Type:	N/A	Change in Risk:	8	
Pipe Size:	N/A ft	Benefit/Cost:	1.32	
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 its capacity.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available



Figure 1 Plan View of Project with Aerial Photography

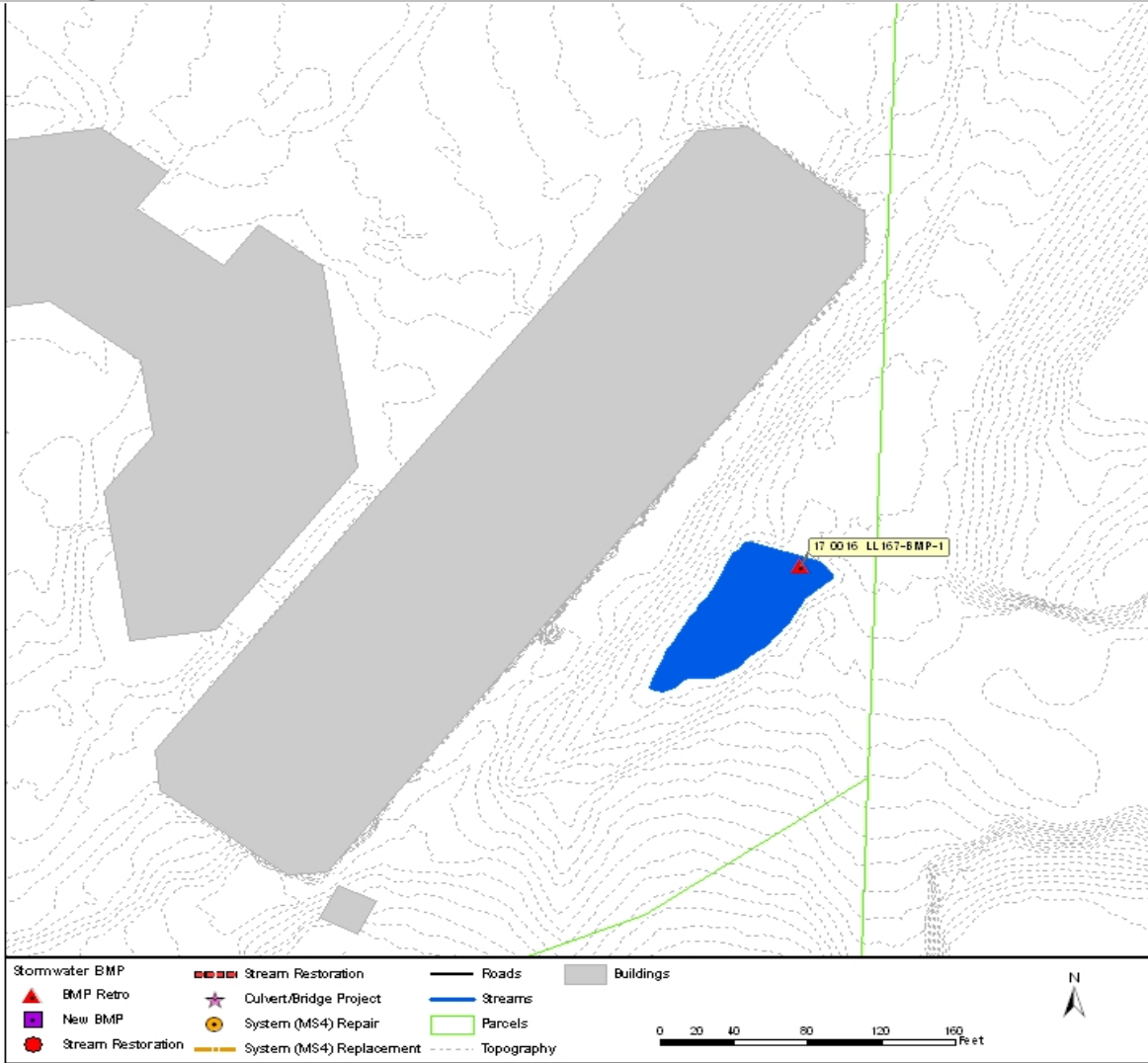


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics				
City Council District:	District 5	TSS Yield:	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
Land Condition:	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
 Estimated Cost: \$2,857,000

Address: 0 Peachtree Dunwoody Rd
 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

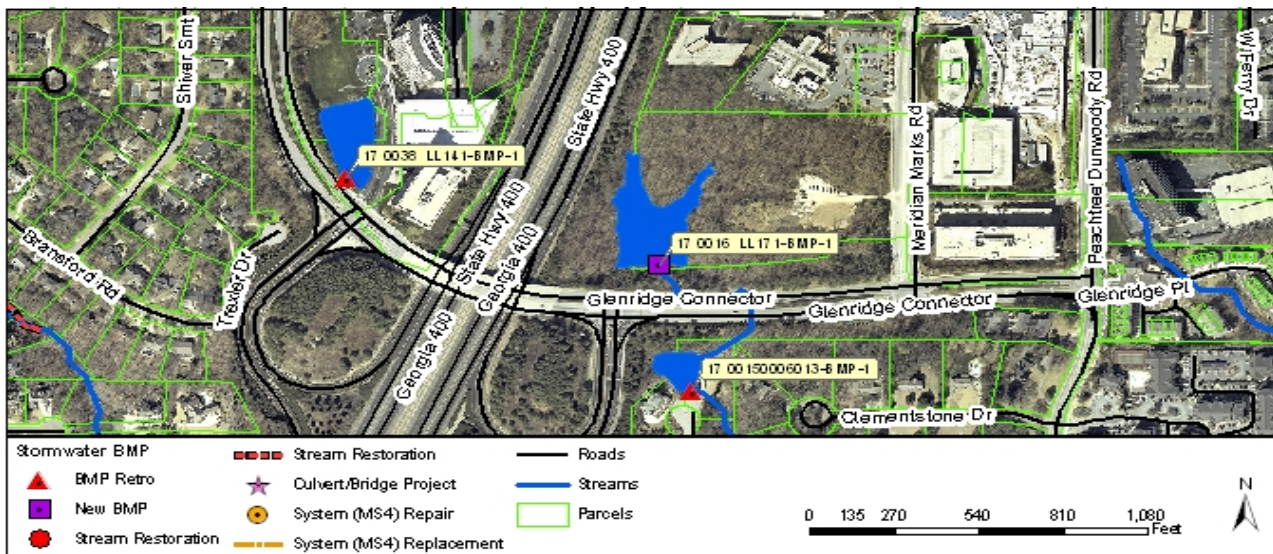


Figure 1 Plan View of Project with Aerial Photography

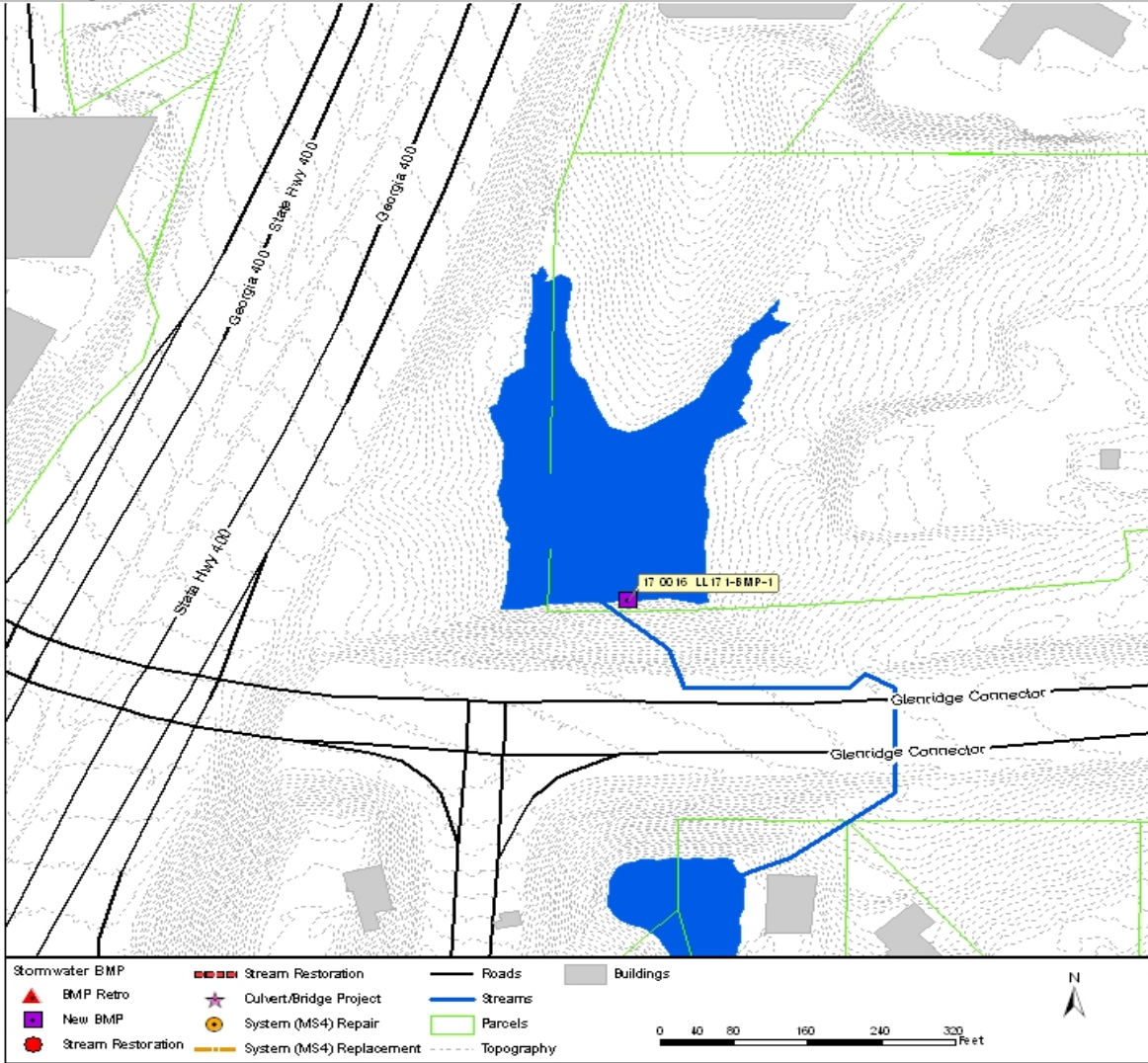


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$419,000

Address: 5775 Peachtree Dunwoody Rd

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

Photo 2

No photo available

No photo available

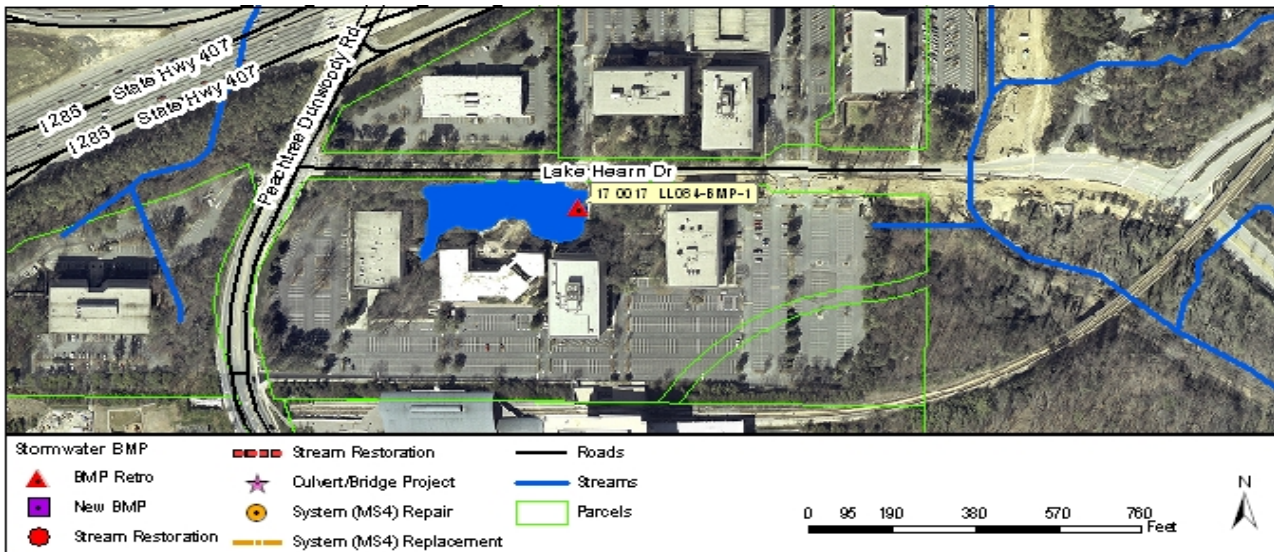


Figure 1 Plan View of Project with Aerial Photography

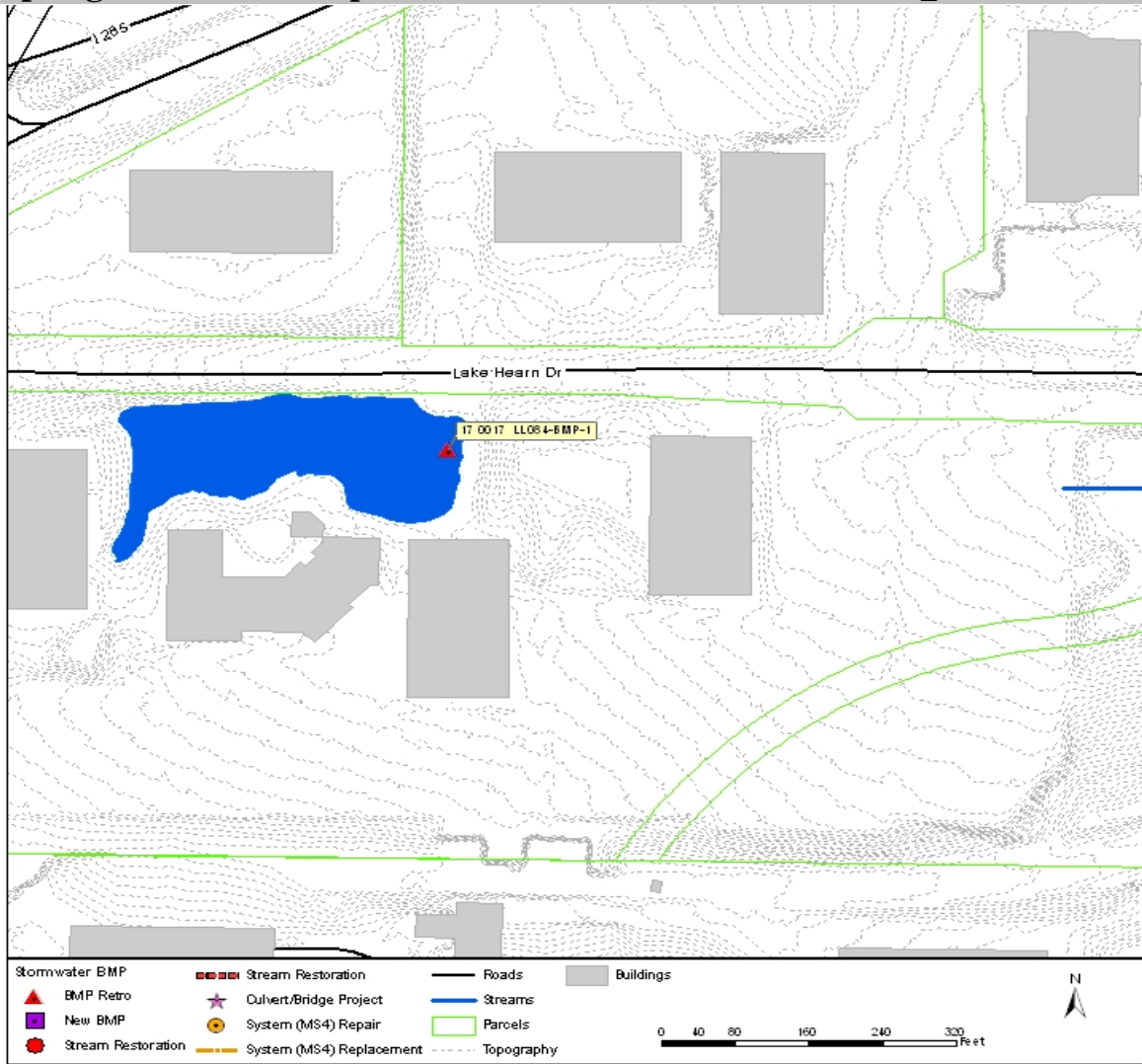


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 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
 Estimated Cost: \$361,000

Address: 5901 Peachtree Dunwoody Rd A
 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

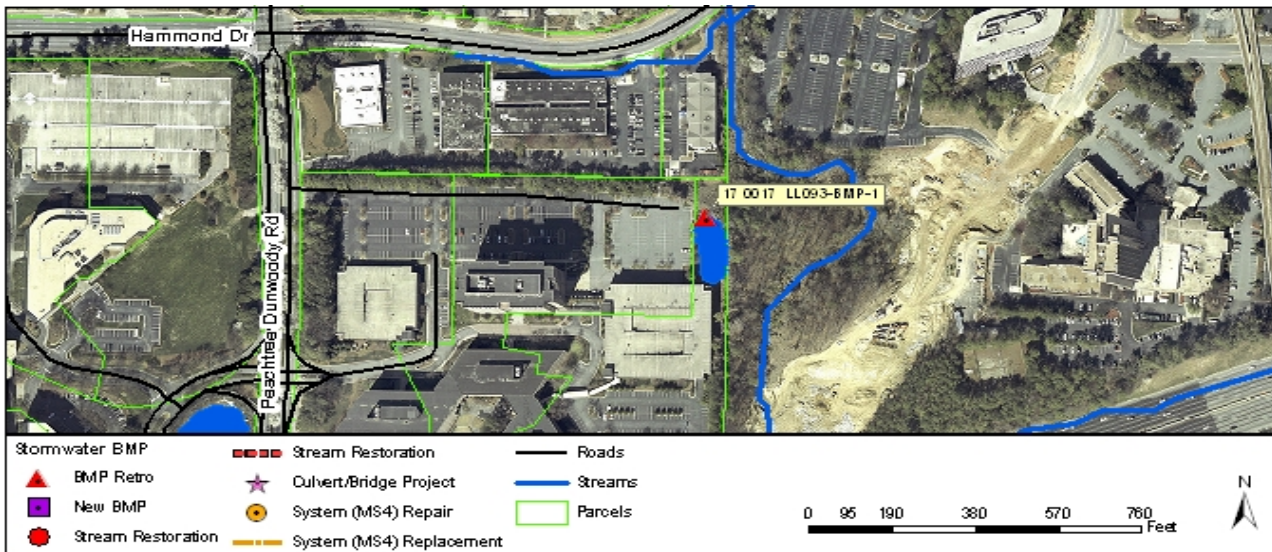


Figure 1 Plan View of Project with Aerial Photography

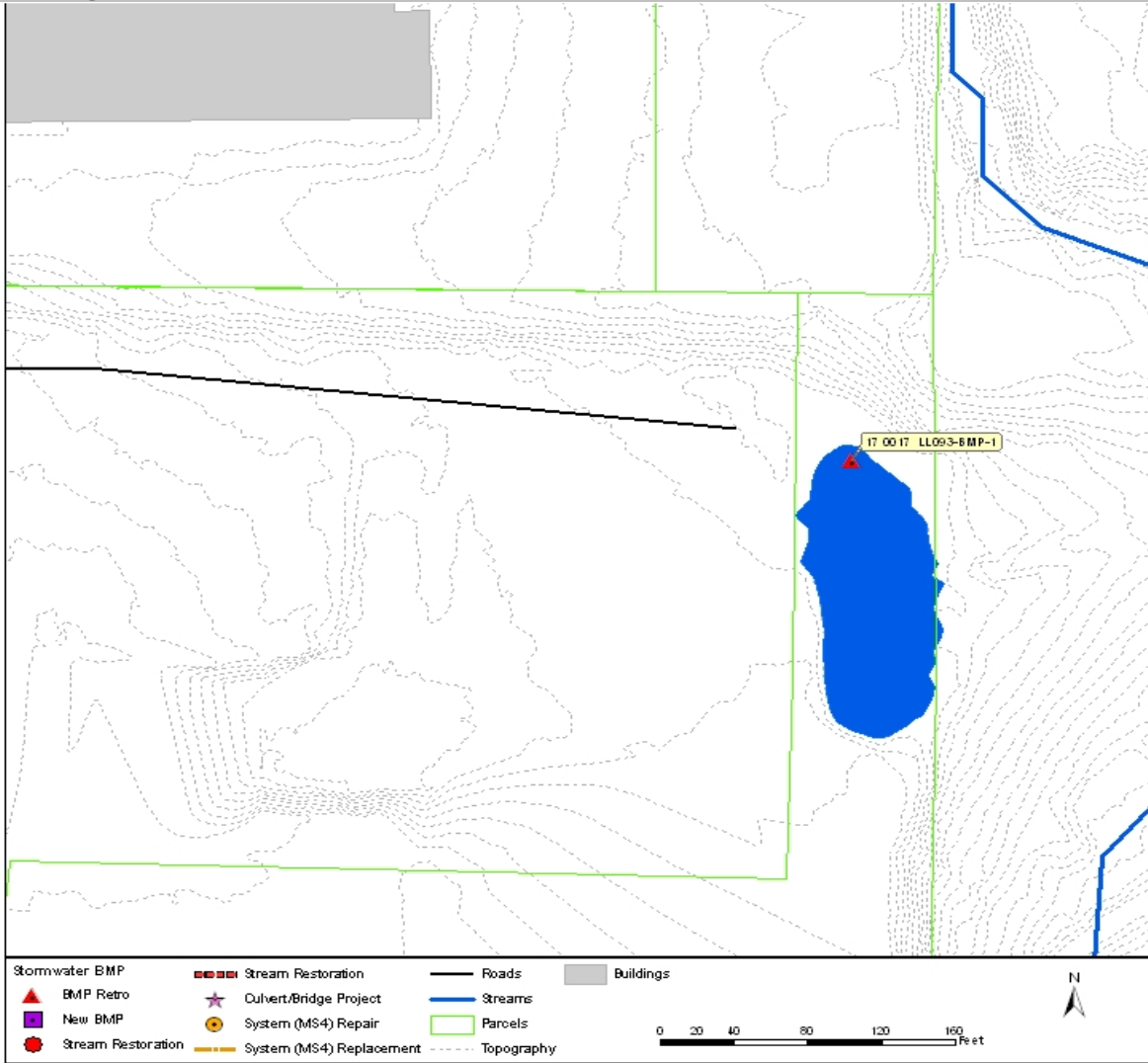


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$807,000

Address: 5901 Peachtree Dunwoody Rd C

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

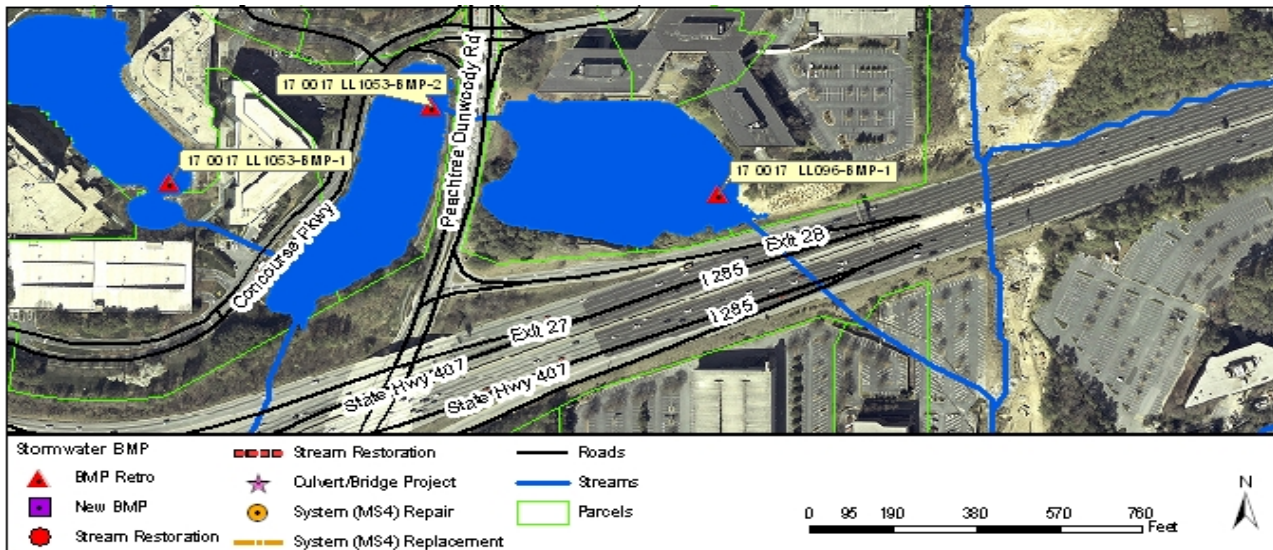


Figure 1 Plan View of Project with Aerial Photography

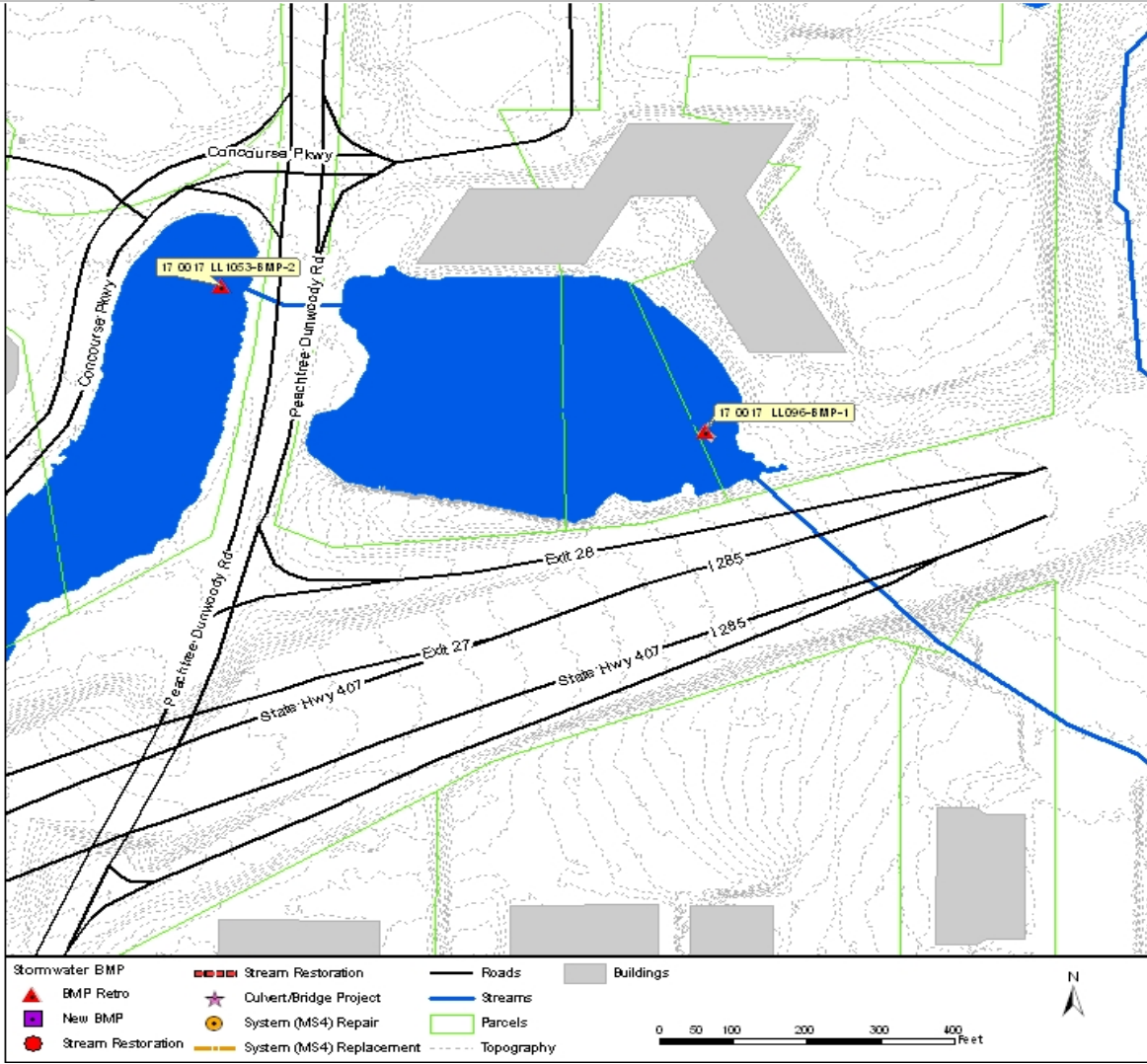


Figure 2 Plan View of Project with Topography

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
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	Y	Stream Order:	3	
Drainage Area:	675.0 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X500, X	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	26	
Flood Width Over Road:	N/A ft	Proposed Risk:	25	
Structure Type:	N/A	Change in Risk:	1	
Pipe Size:	N/A ft	Benefit/Cost:	0.19	
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
 Estimated Cost: \$689,000

Address: 5900 Peachtree Dunwoody Rd
 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

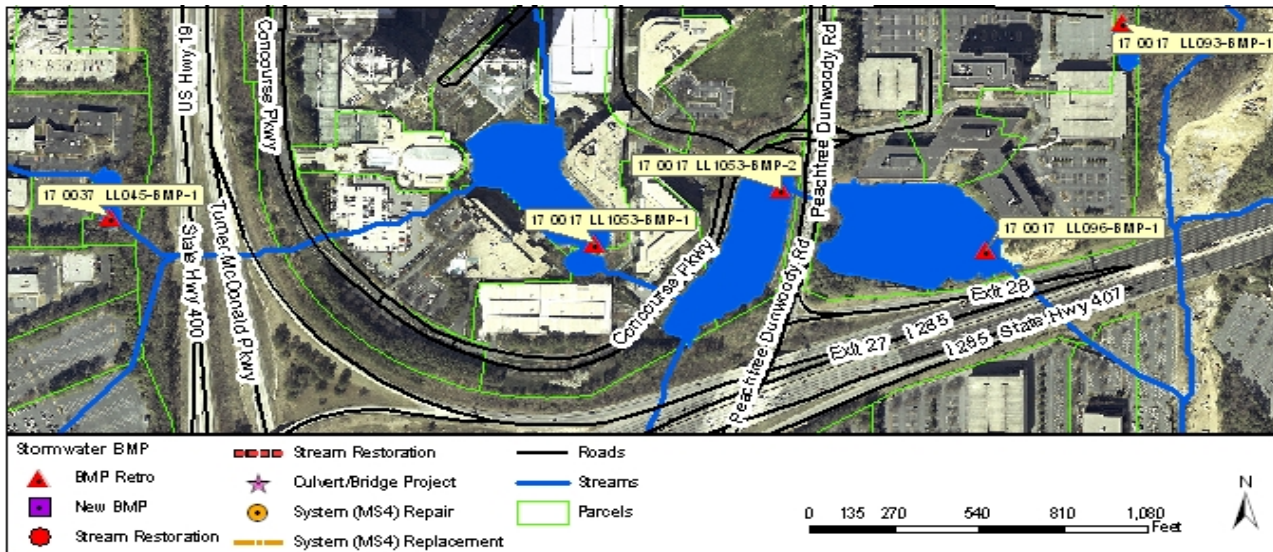


Figure 1 Plan View of Project with Aerial Photography

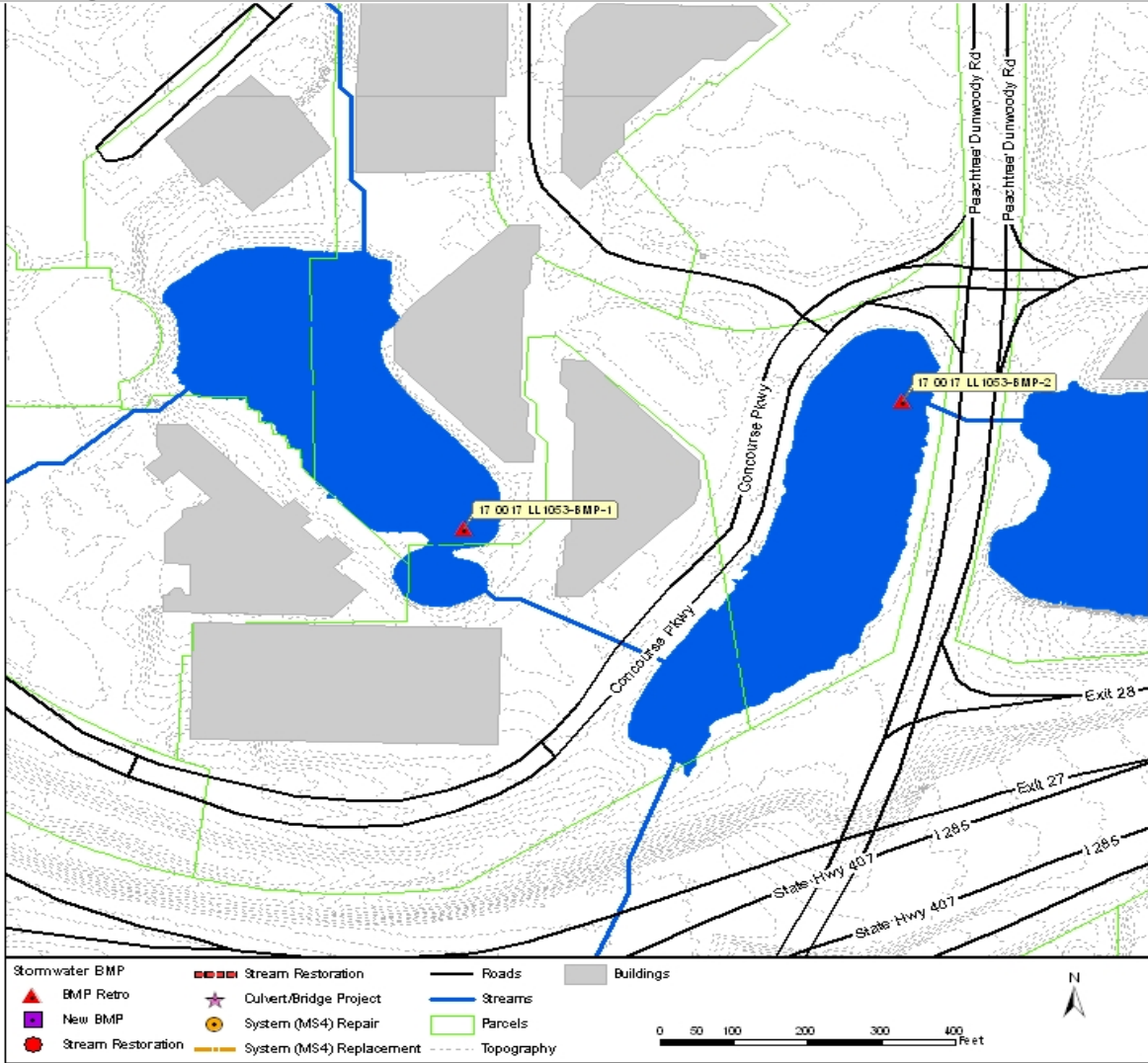


Figure 2 Plan View of Project with Topography

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
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	Y	Stream Order:	3	
Drainage Area:	538.5 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X500, X	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	29	
Flood Width Over Road:	N/A ft	Proposed Risk:	26	
Structure Type:	N/A	Change in Risk:	3	
Pipe Size:	N/A ft	Benefit/Cost:	0.68	
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
 Estimated Cost: \$714,000

Address: 5900 Peachtree Dunwoody Rd
 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

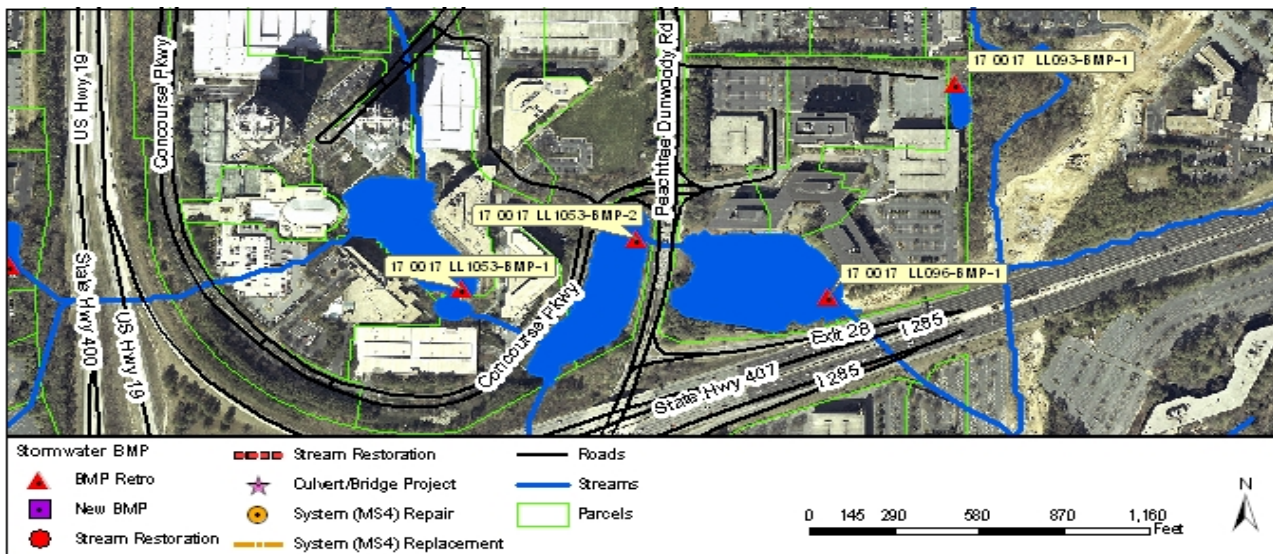


Figure 1 Plan View of Project with Aerial Photography

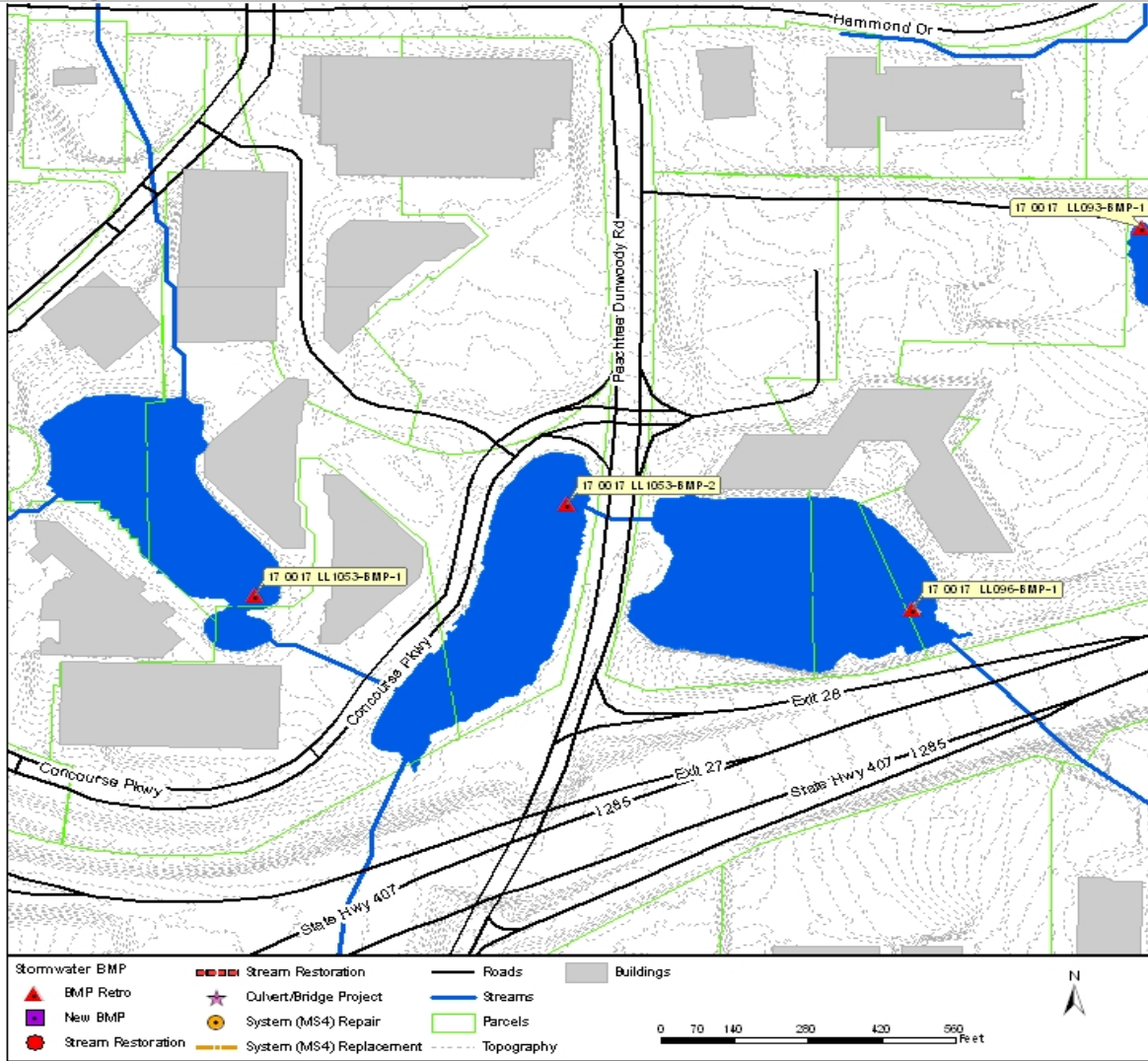


Figure 2 Plan View of Project with Topography

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; Woods - Grass Combination	WQ Volume:	1,510,748	ft ³
	Fair	CP Volume:	5,180,998	ft ³
		25-Year Volume:	6,592,921	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	Y	Stream Order:	3	
Drainage Area:	656.4 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X500, X	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	28	
Flood Width Over Road:	N/A ft	Proposed Risk:	25	
Structure Type:	N/A	Change in Risk:	2	
Pipe Size:	N/A ft	Benefit/Cost:	0.43	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0018 LL097-BMP-1

Asset Number: AGM_05199

Benefit/Cost: 2.03
 Estimated Cost: \$629,000

Address: 101 Dunwoody Springs Drive
 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

Photo 2

No photo available

No photo available

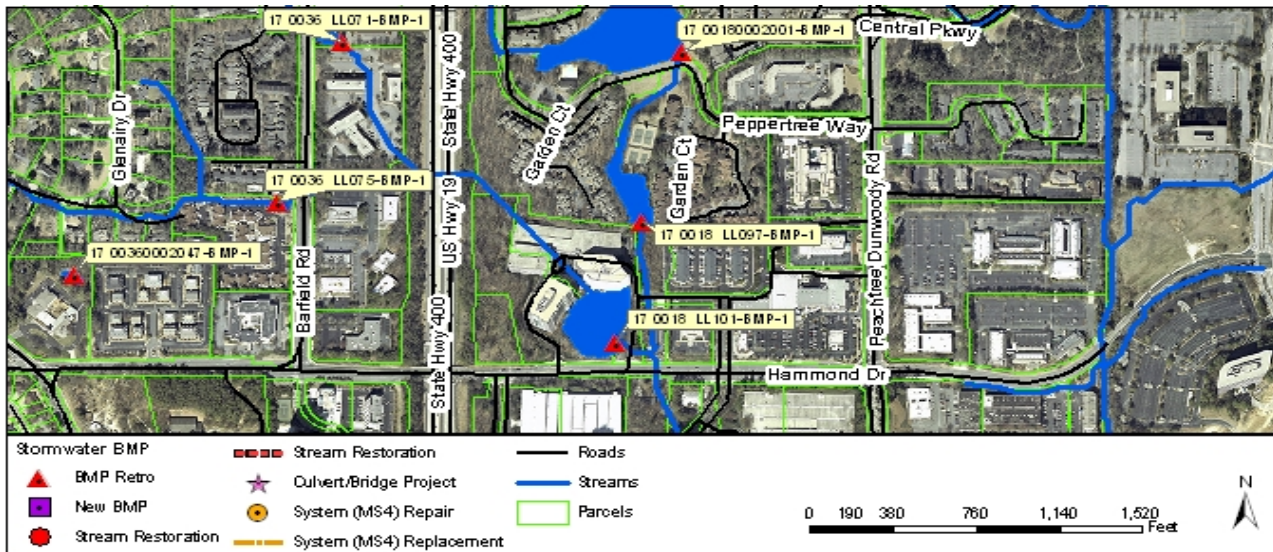


Figure 1 Plan View of Project with Aerial Photography

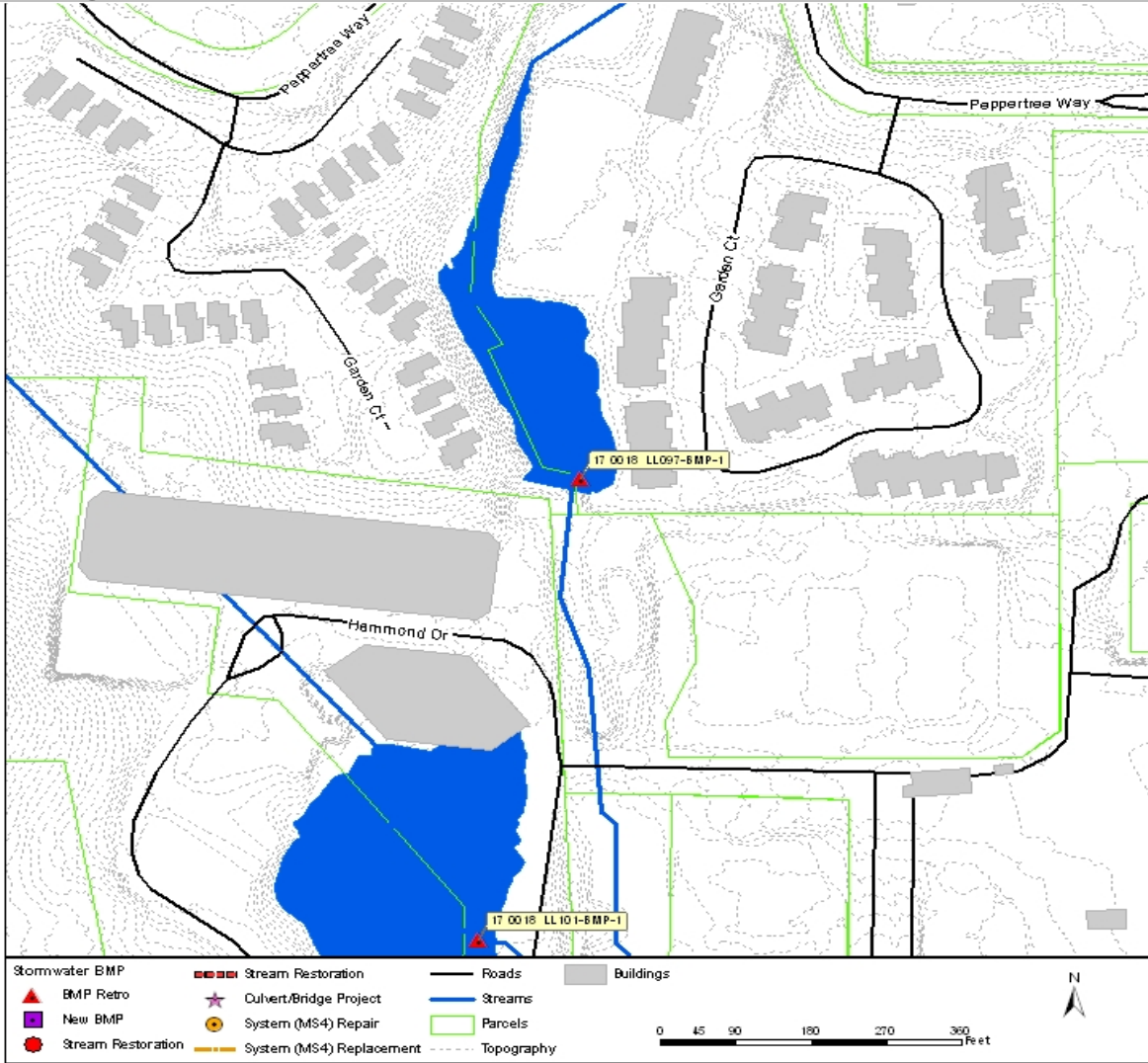


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 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
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	Y	Stream Order:	2	
Drainage Area:	122.6 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X500, X	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	36	
Flood Width Over Road:	N/A ft	Proposed Risk:	26	
Structure Type:	N/A	Change in Risk:	10	
Pipe Size:	N/A ft	Benefit/Cost:	2.03	
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 17 0018 LL101-BMP-1

Asset Number: AGM_05320

Benefit/Cost: 2.97
Estimated Cost: \$513,000

Address: 990 Hammond Dr

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

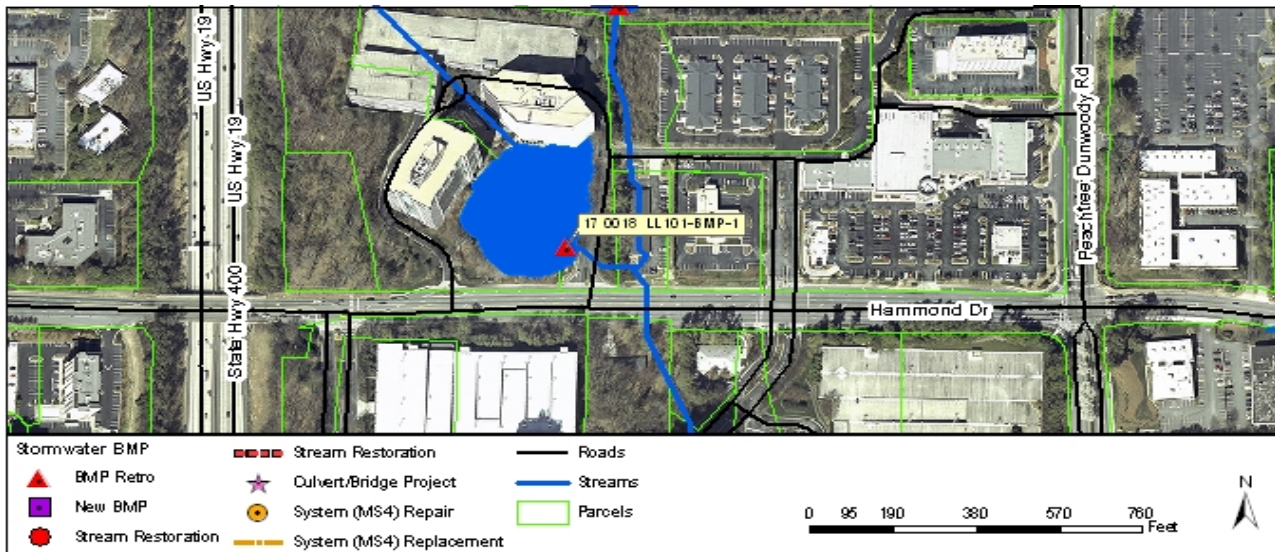


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0018 LL101-BMP-1
 Asset Number: AGM_05320

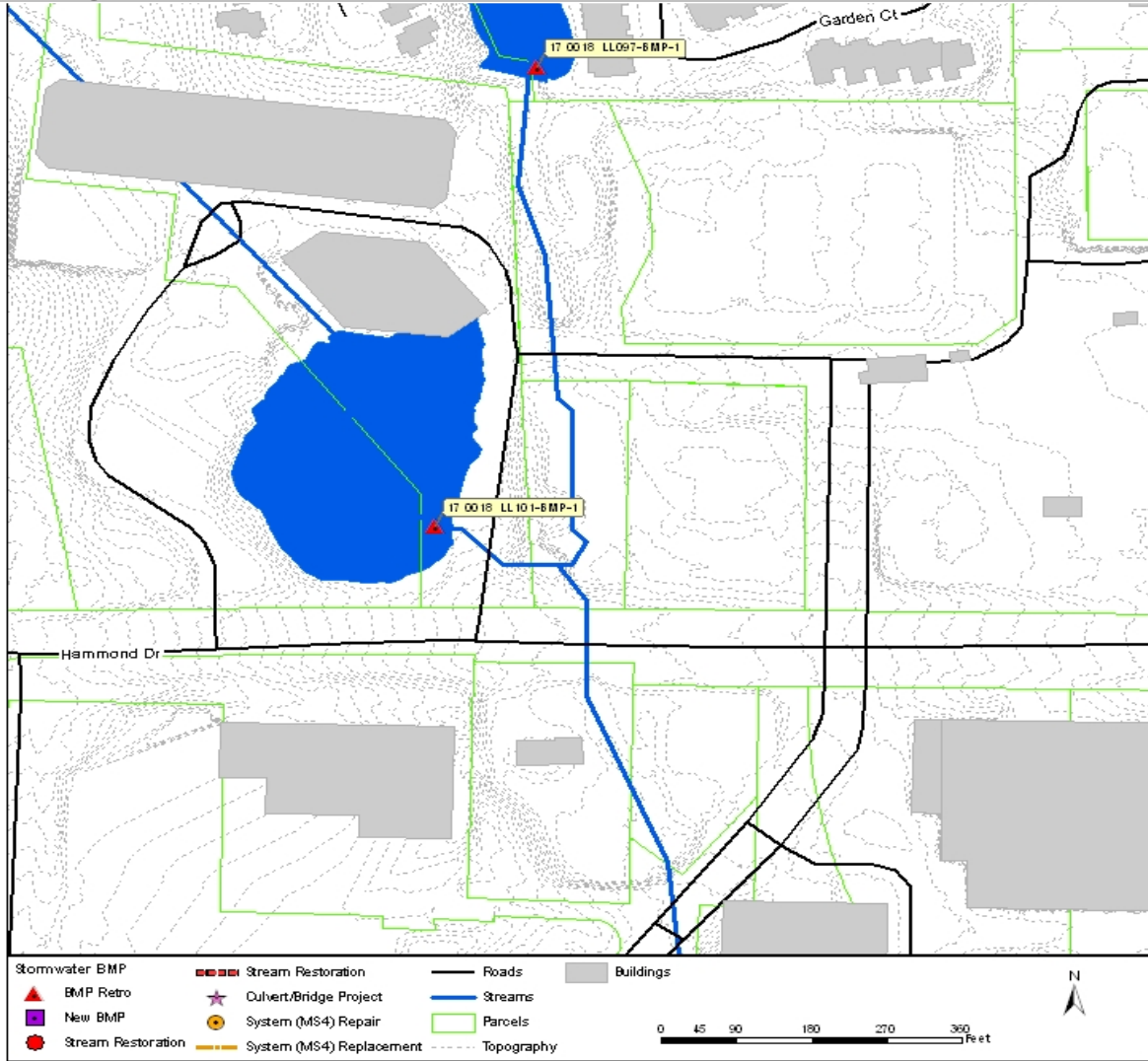


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$502,000

Address: 1200 Mount Vernon Hwy

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

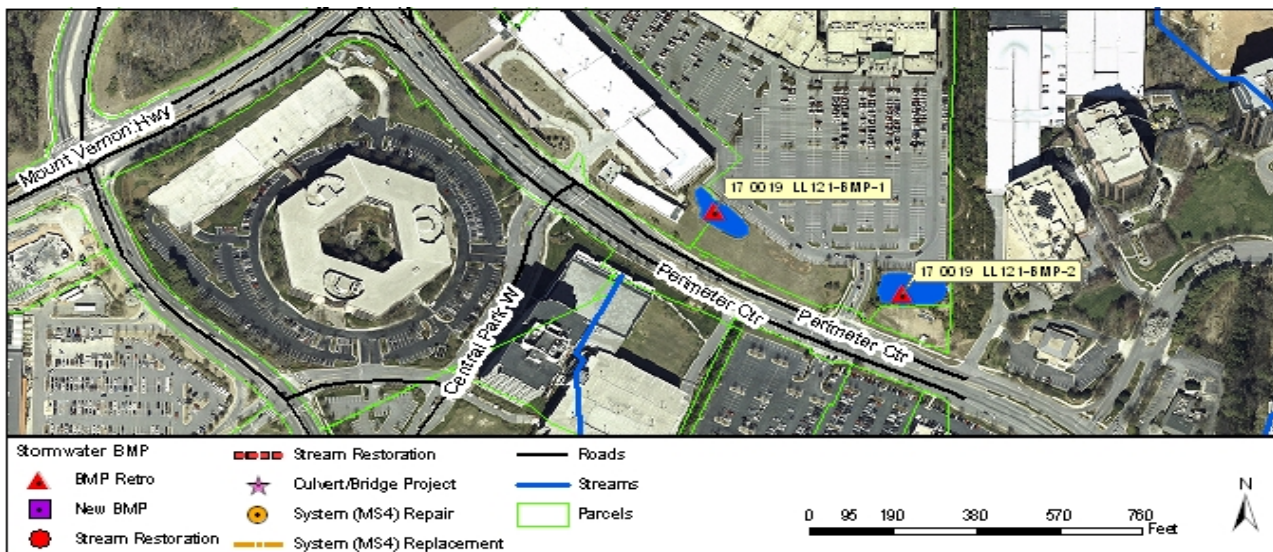


Figure 1 Plan View of Project with Aerial Photography

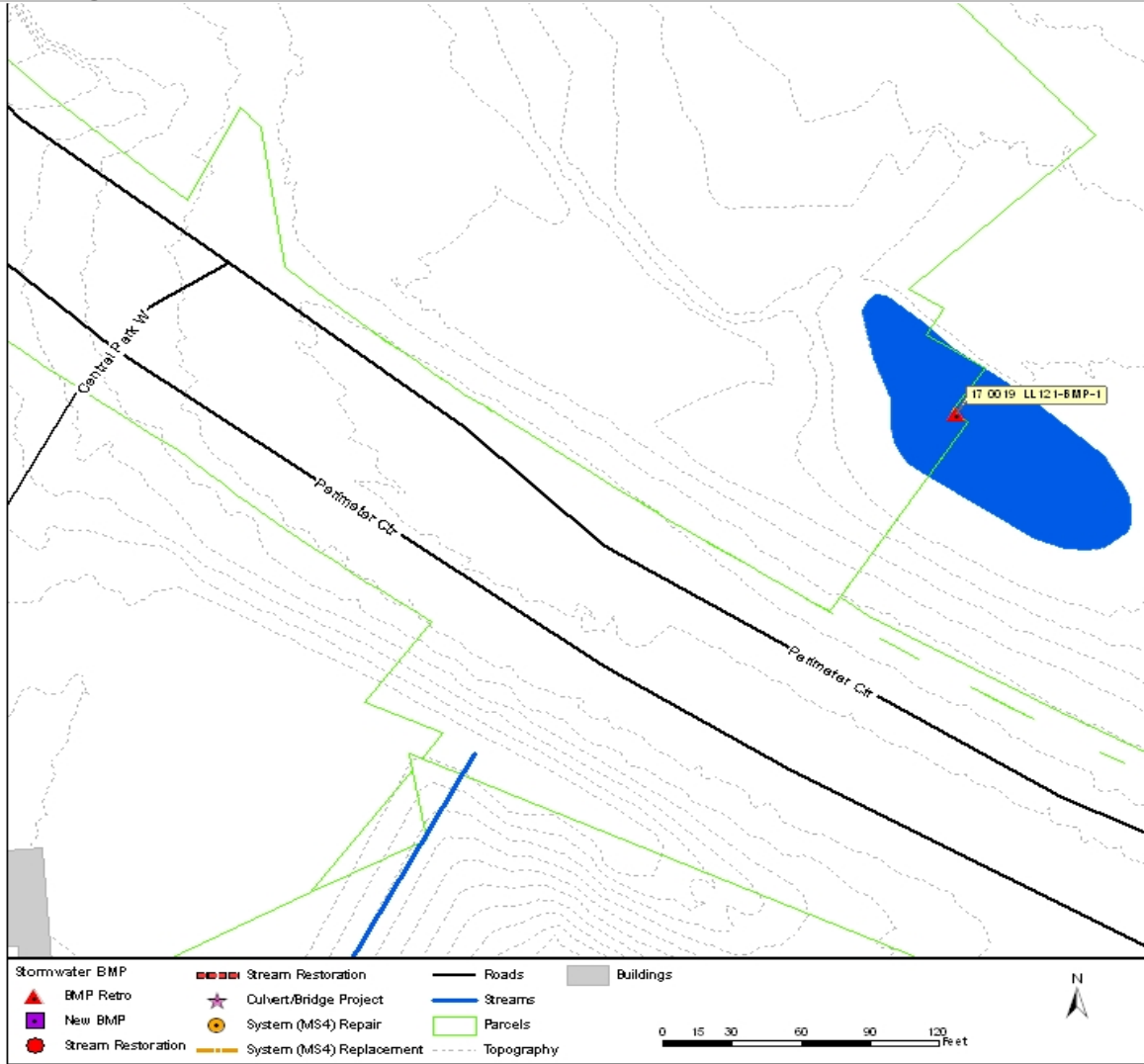


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$253,000

Address: 1200 Mount Vernon Hwy
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 an 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

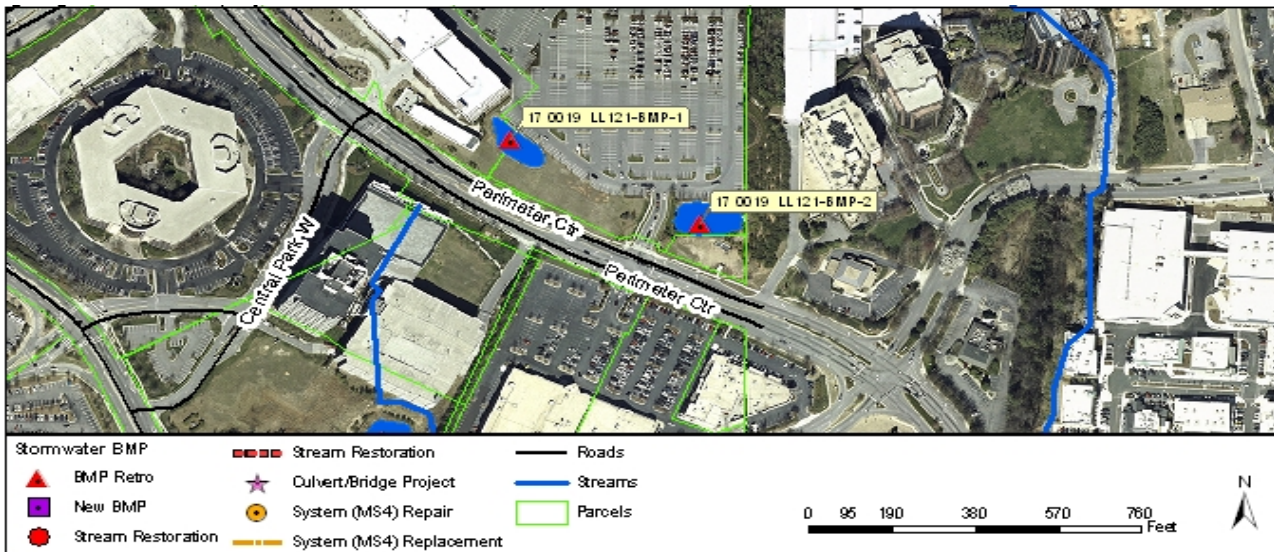


Figure 1 Plan View of Project with Aerial Photography

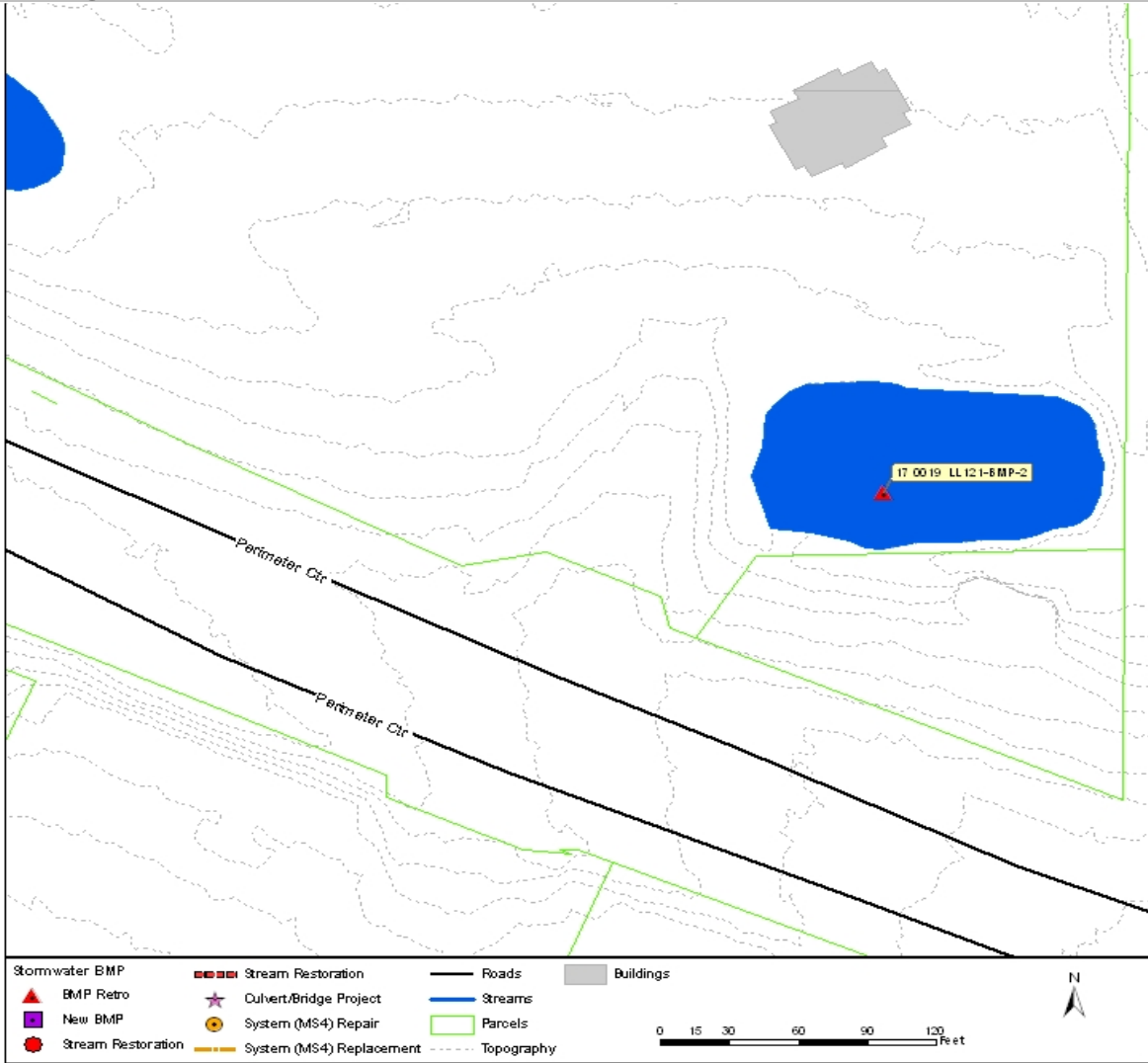


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5	TSS Yield:	429	lb/ac/yr
Asset Ownership:	6: Non SF Res-Attached	Existing Volume:	61,000	ft ³
Parcel Ownership:	Private	Potential Volume:	61,000	ft ³
Land Use:	Open Space Fair	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
TMDL Stream(FecalColiform):	Y	Stream Order:	Offline	
TMDL Stream (Biota):	Y	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	4.7 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X	Existing Risk:	23	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	9	
Flood Width Over Road:	N/A ft	Change in Risk:	13	
Structure Type:	N/A	Benefit/Cost:	3.34	
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 0019 LL130-BMP-1

Asset Number: AGM_05717

Benefit/Cost: 3.43
Estimated Cost: \$332,000

Address: 6350 Peachtree Dunwoody Rd

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

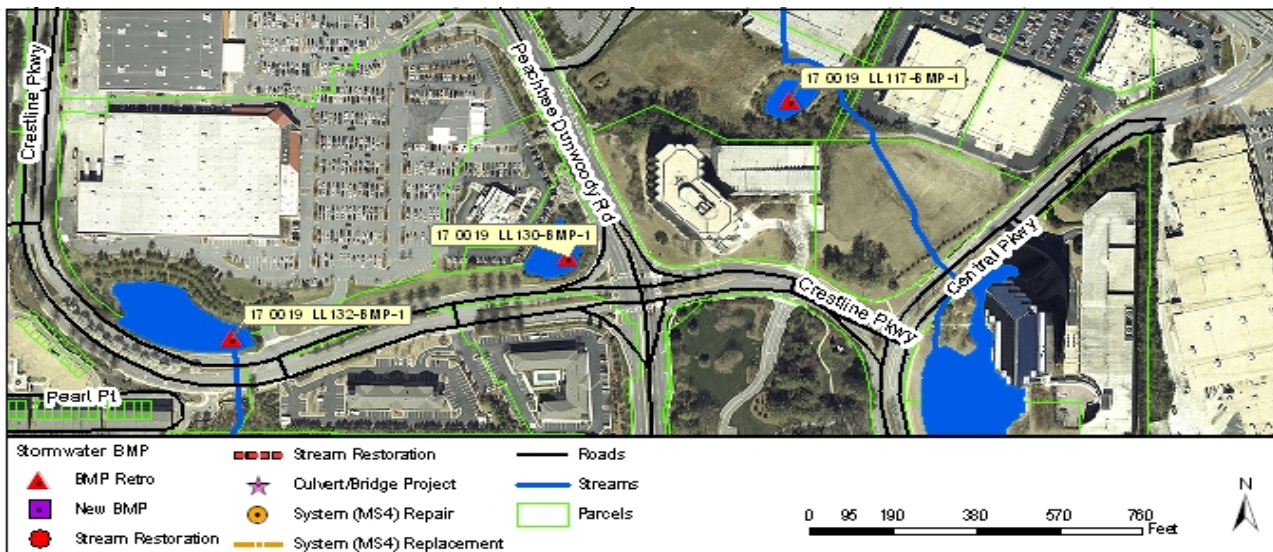


Figure 1 Plan View of Project with Aerial Photography

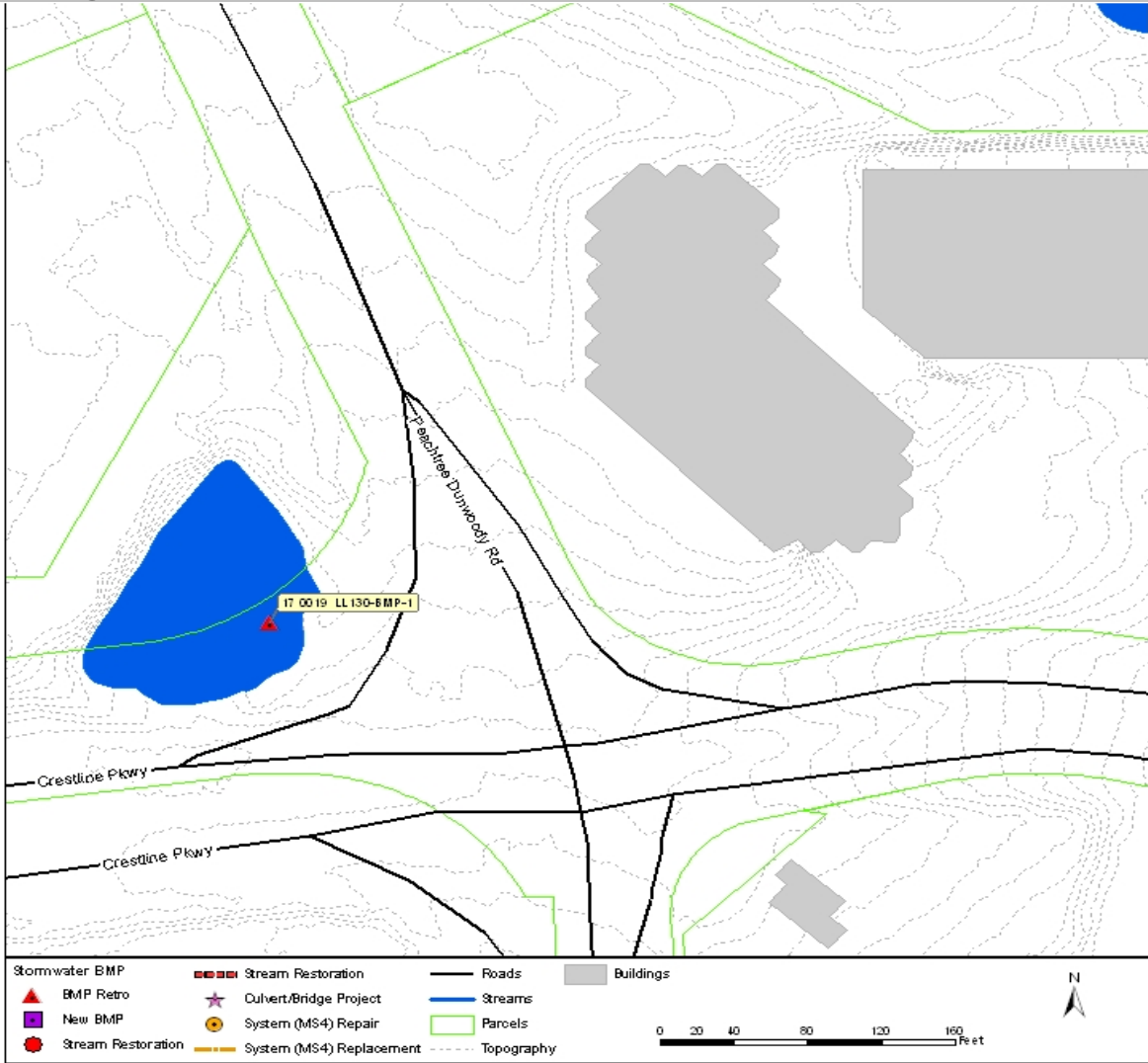


Figure 2 Plan View of Project with Topography

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
Land Use:	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
Estimated Cost: \$725,000

Address: 0 Peachtree Dunwoody Rd
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

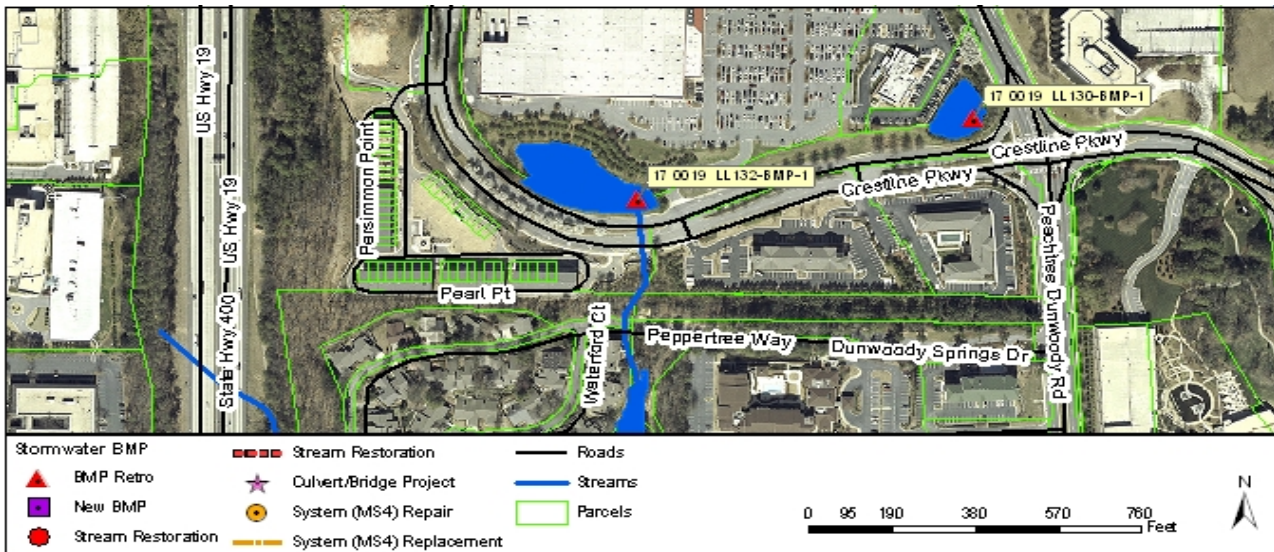


Figure 1 Plan View of Project with Aerial Photography

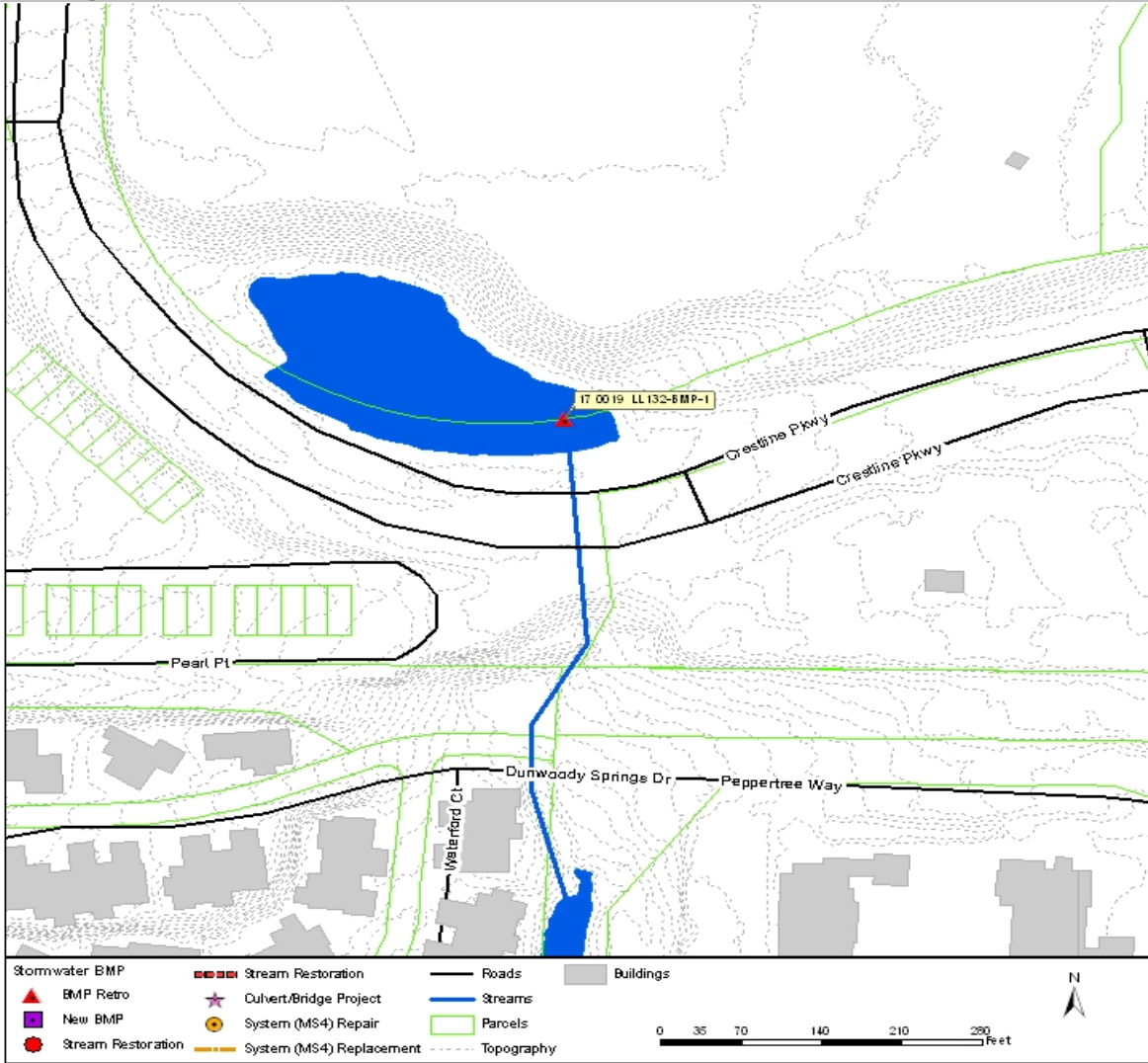


Figure 2 Plan View of Project with Topography

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	WQ Volume:	111,804	ft ³
	Combination Fair	CP Volume:	316,067	ft ³
		25-Year Volume:	410,546	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	Y	Stream Order:	1	
Drainage Area:	34.1 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X500, X	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	45	
Flood Width Over Road:	N/A ft	Proposed Risk:	16	
Structure Type:	N/A	Change in Risk:	29	
Pipe Size:	N/A ft	Benefit/Cost:	5.75	
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
Estimated Cost: \$300,000

Address: 6195 Barfield 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 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 its capacity.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

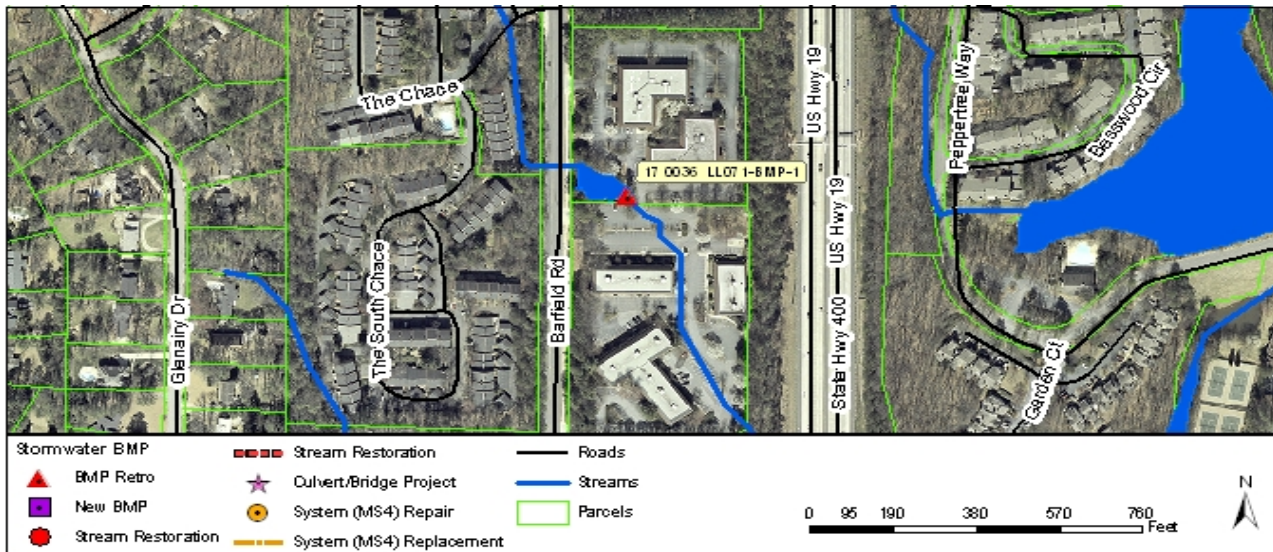


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0036 LL071-BMP-1
 Asset Number: AGM_04159

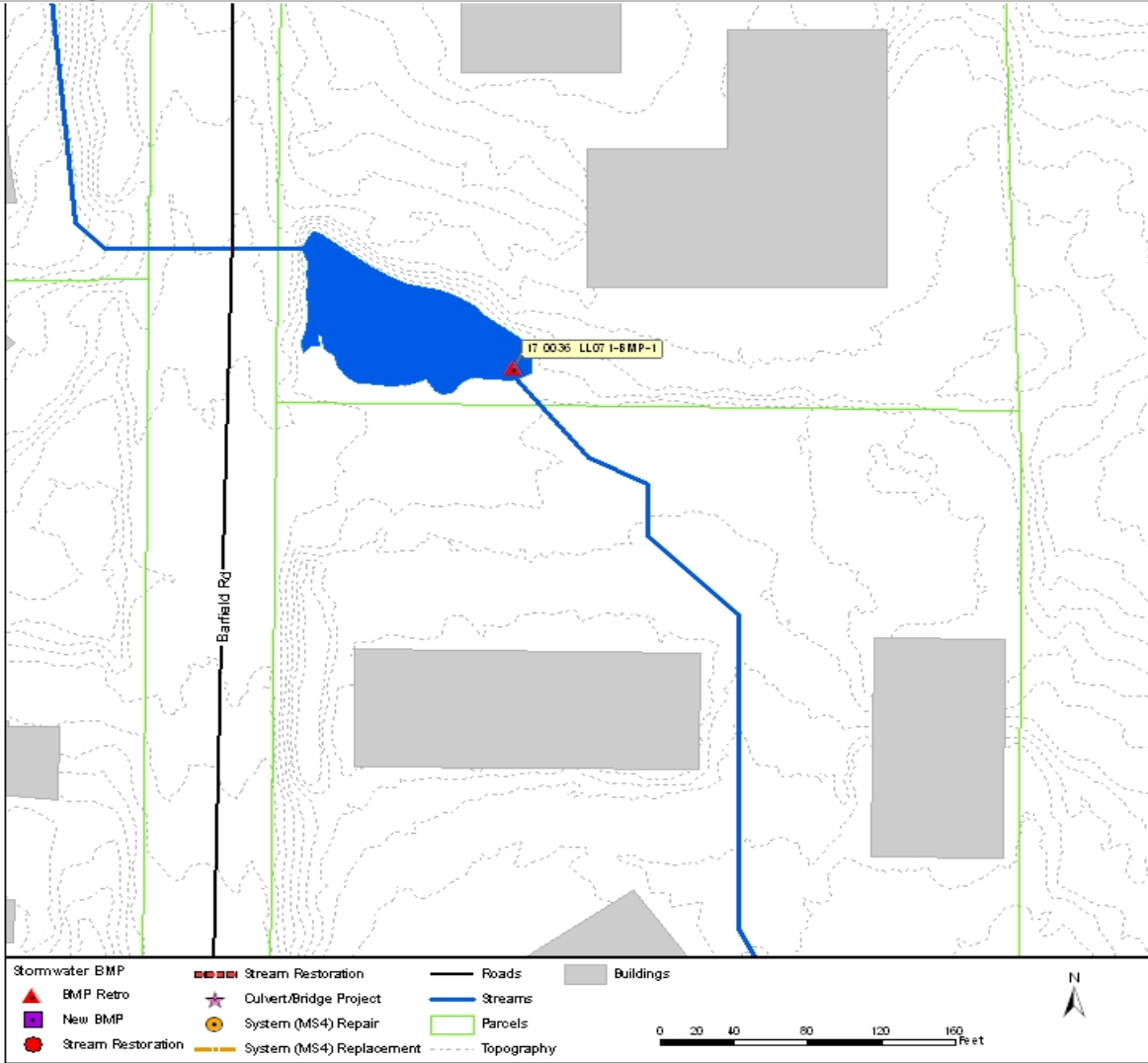


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$938,000

Address: 5881 Glenridge Dr

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

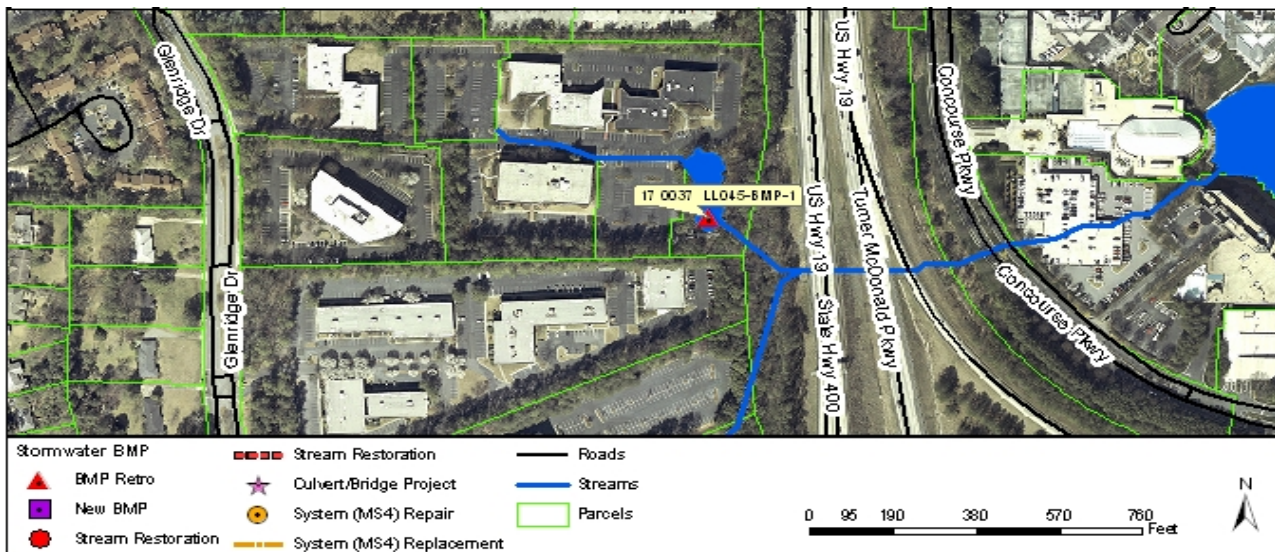


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0037 LL045-BMP-1
 Asset Number: AGM_08860

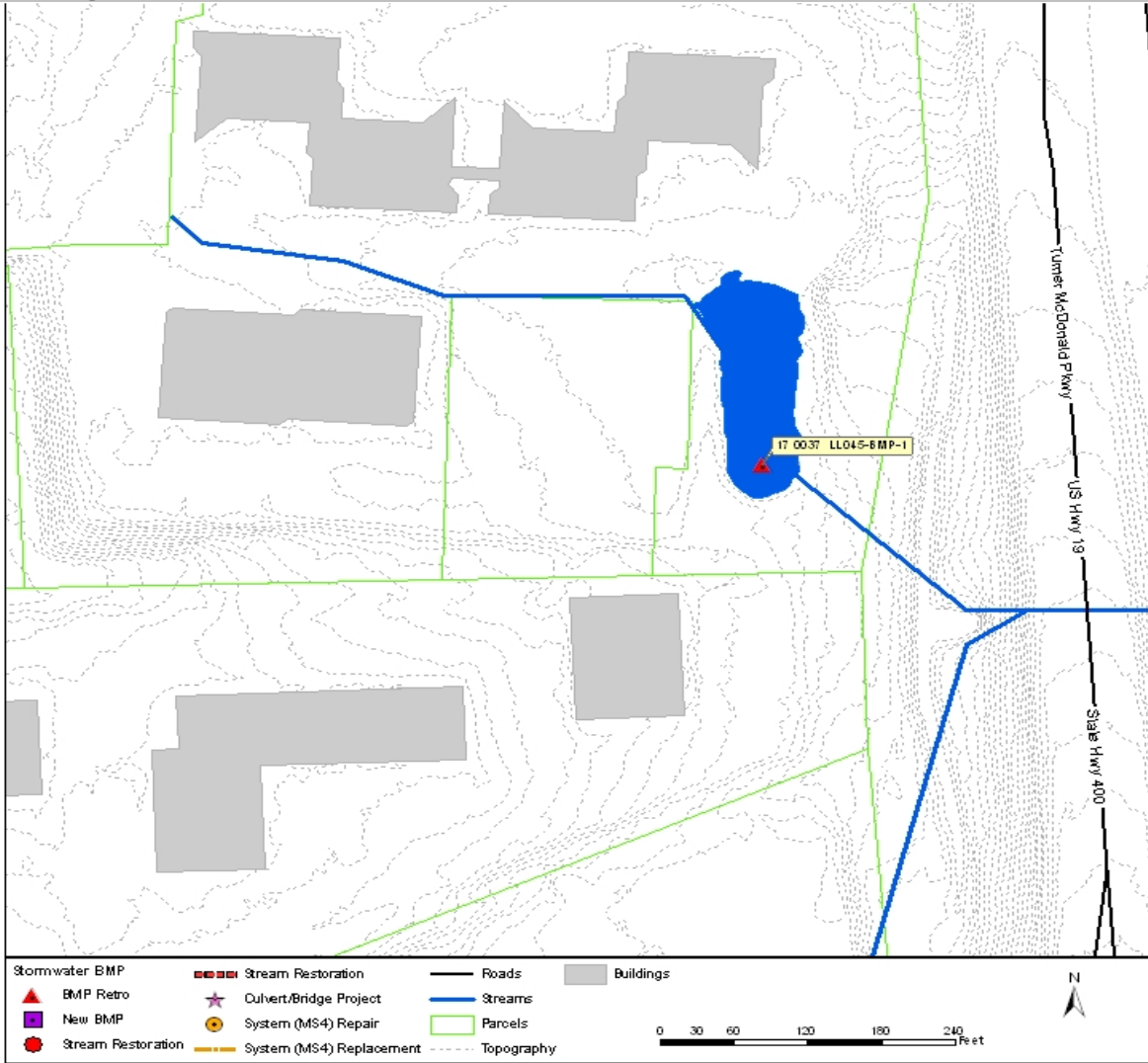


Figure 2 Plan View of Project with Topography

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
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	Y	Stream Order:	1	
Drainage Area:	38.5 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X500, X	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	39	
Flood Width Over Road:	N/A ft	Proposed Risk:	12	
Structure Type:	N/A	Change in Risk:	27	
Pipe Size:	N/A ft	Benefit/Cost:	4.55	
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
 Estimated Cost: \$505,000

Address: 0 Johnson Ferry Rd
 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

Photo 2

No photo available

No photo available

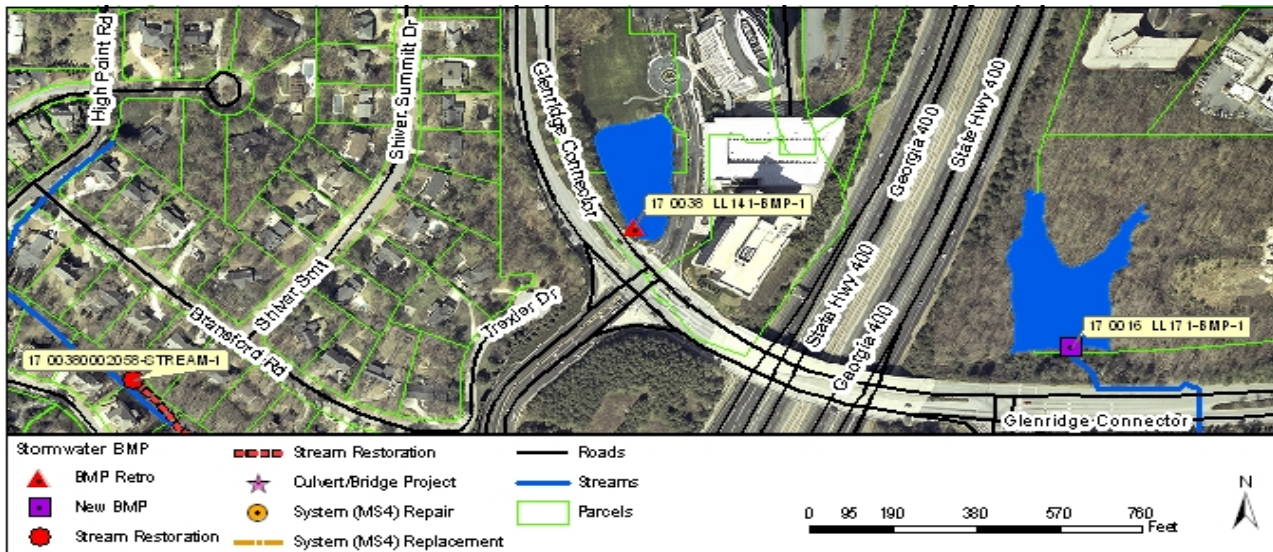


Figure 1 Plan View of Project with Aerial Photography



Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 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	WQ Volume:	20,355	ft ³
	Combination Fair	CP Volume:	65,579	ft ³
		25-Year Volume:	84,784	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	Y	Stream Order:	Offline	
Drainage Area:	7.2 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	11	
Flood Width Over Road:	N/A ft	Proposed Risk:	4	
Structure Type:	N/A	Change in Risk:	6	
Pipe Size:	N/A ft	Benefit/Cost:	1.29	
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
 Estimated Cost: \$598,000

Address: 5430 South Trimble Rd

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

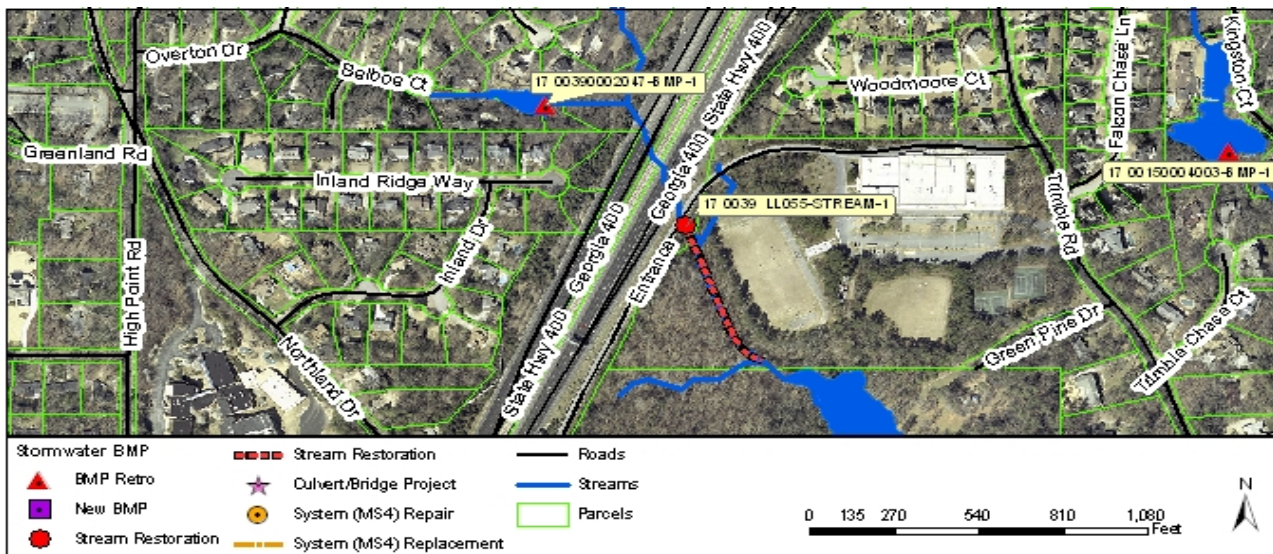


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

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

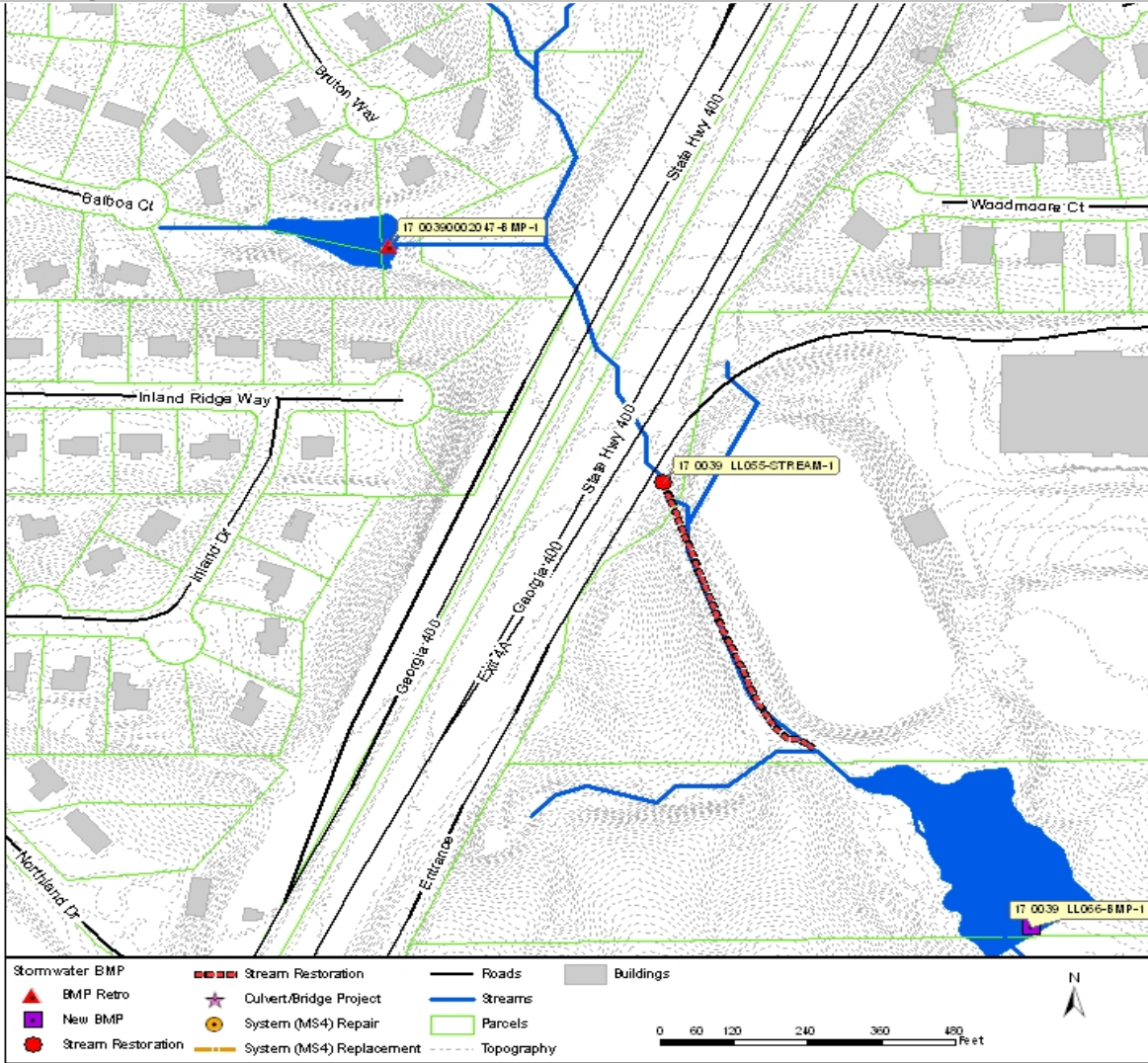


Figure 2 Plan View of Project with Topography

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
TMDL Stream(FecalColiform):	Y	Stream Project Length:	570	ft
TMDL Stream (Biota):	Y	Stream Order:	2	
Drainage Area:	189.0 acres	Bank Stability (% exposed):	75-100% LB	75-100% RB
FEMA Flood Hazard Zone:	X500	Bank Height:	8ft LB	5ft RB
Max Flood Depth Over Road:	N/A ft	Existing Risk:	32	
Flood Width Over Road:	N/A ft	Proposed Risk:	18	
Structure Type:	N/A	Change in Risk:	14	
Pipe Size:	N/A ft	Benefit/Cost:	2.72	
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
 Estimated Cost: \$763,000

Address: 5200 GREEN PINE DR

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

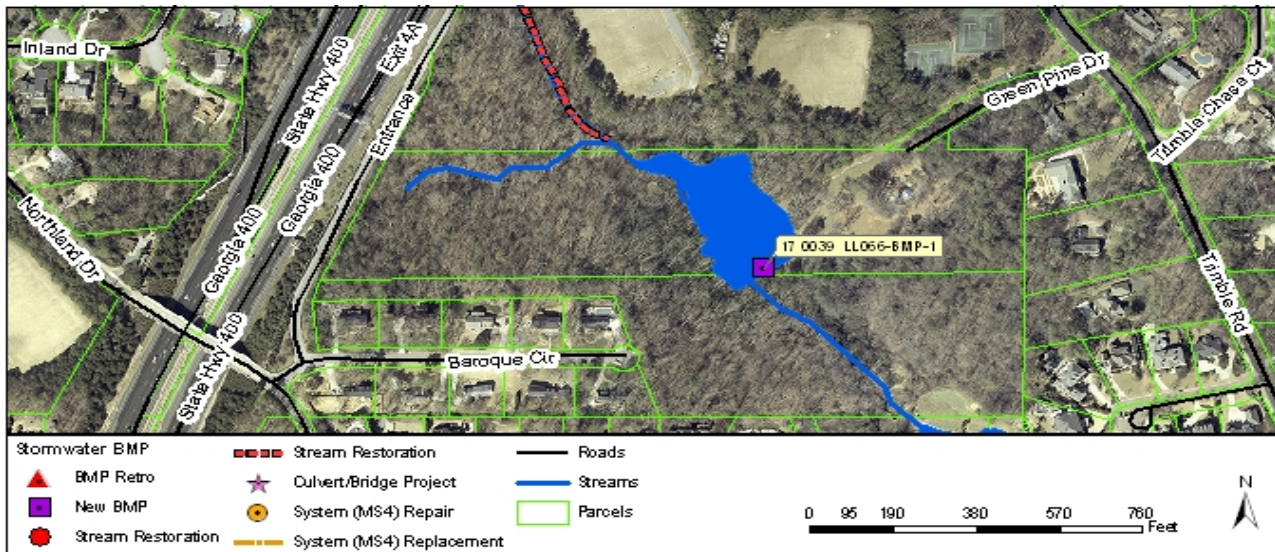


Figure 1 Plan View of Project with Aerial Photography

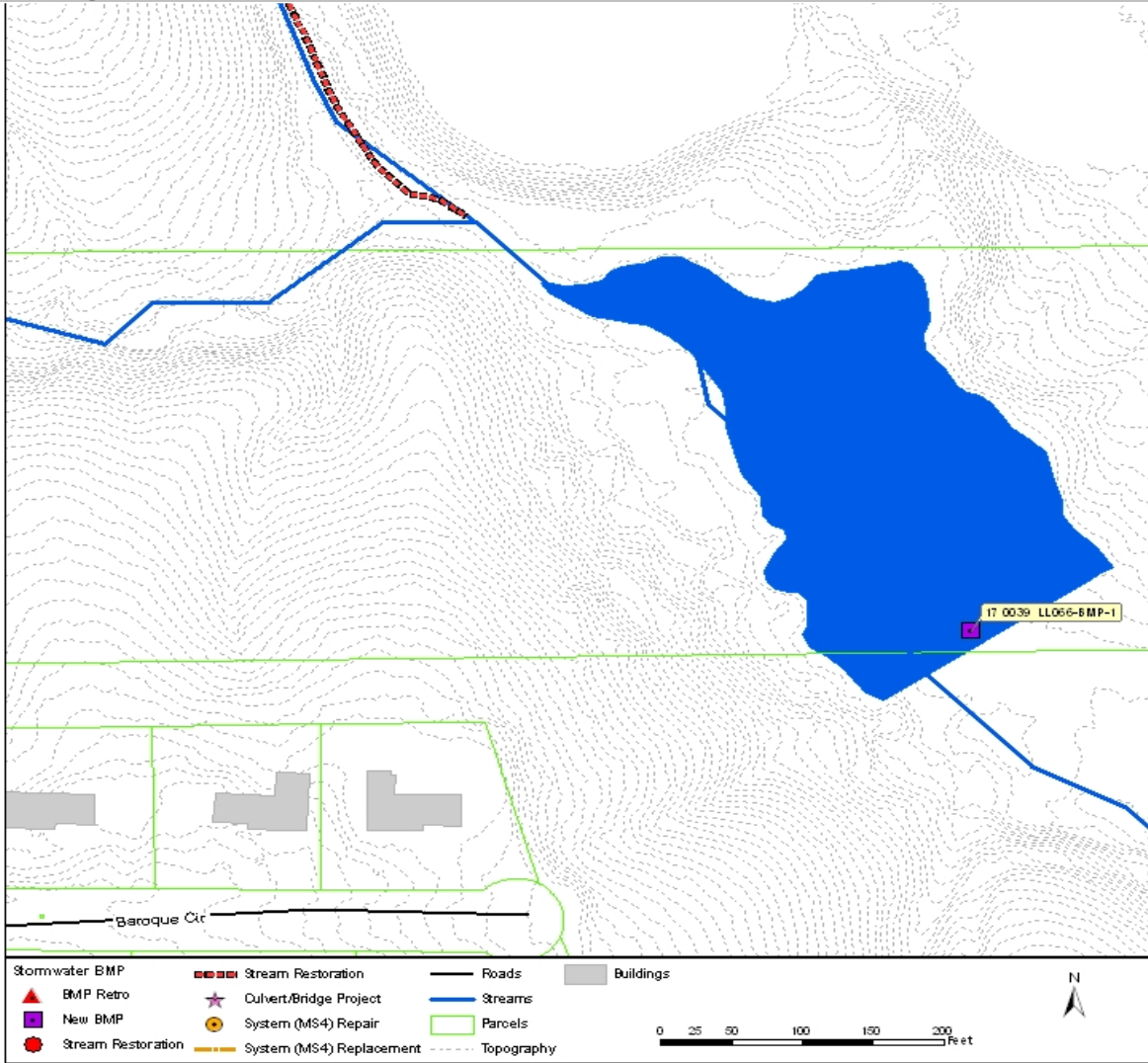


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics				
City Council District:	District 5	TSS Yield:	2,169	lb/ac/yr
Asset Ownership:	1: City	Existing Volume:	159,399	ft ³
Parcel Ownership:	City	Potential Volume:	159,399	ft ³
Land Use:	Open Space Good; Woods	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
TMDL Stream(FecalColiform):	Y	Stream Order:	2	
TMDL Stream (Biota):	Y	Bank Stability (% exposed):	N/A	N/A
Drainage Area:	285.0 acres	Bank Height:	N/A	N/A
FEMA Flood Hazard Zone:	X500	Existing Risk:	58	
Max Flood Depth Over Road:	N/A ft	Proposed Risk:	50	
Flood Width Over Road:	N/A ft	Change in Risk:	9	
Structure Type:	N/A	Benefit/Cost:	1.43	
Pipe Size:	N/A ft			
Structure/Pipe Age:	N/A			
Structure/Pipe Conditions:	N/A			

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 17 0039 LL078-BMP-1

Asset Number: AGM_02304

Benefit/Cost: 3.02
Estimated Cost: \$423,000

Address: 5200 Northland Dr
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

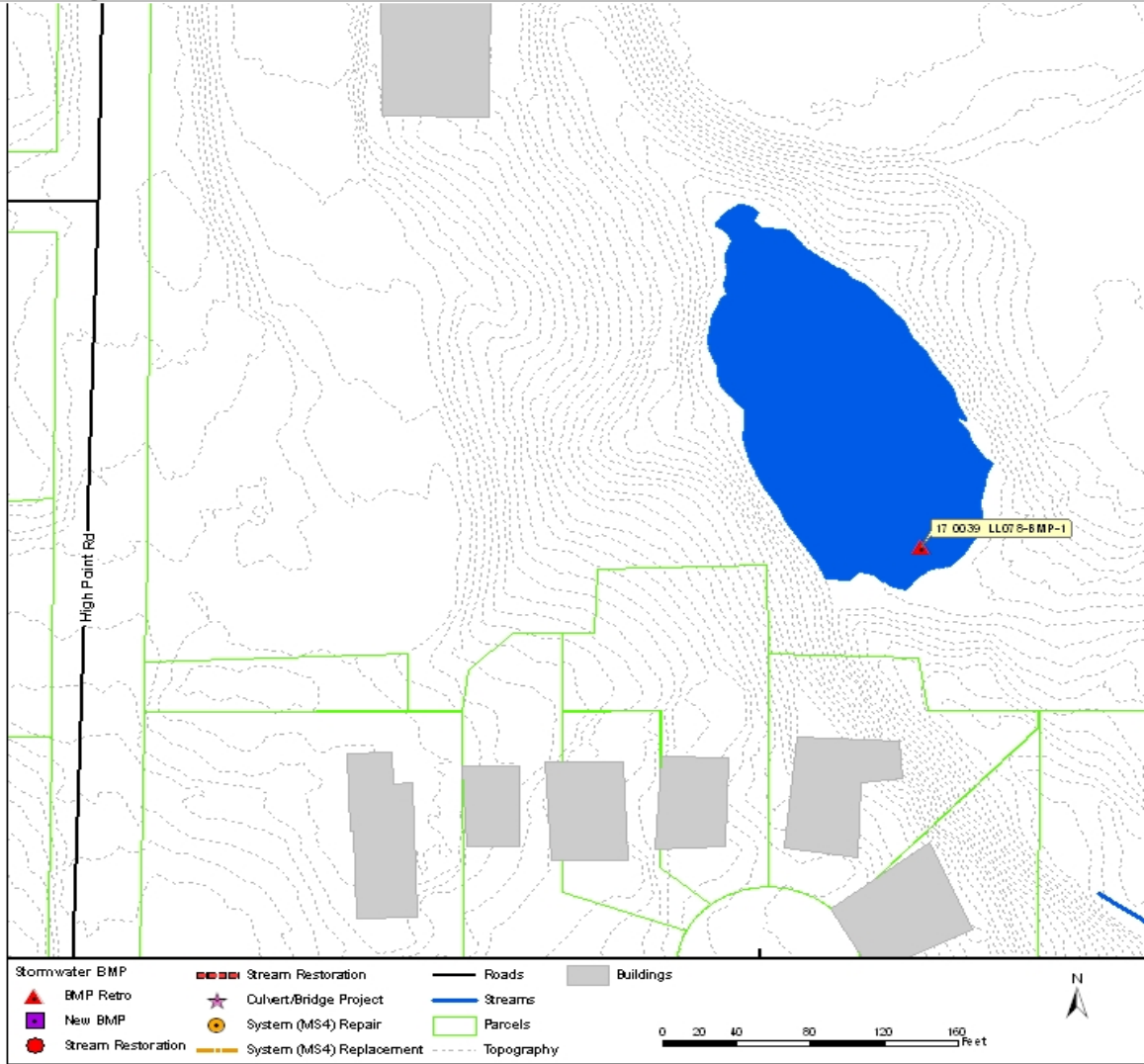


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$227,000

Address: 220 High Point Walk

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

Photo 2

No photo available

No photo available



Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0040 LL072-BMP-1
 Asset Number: AGM_02570

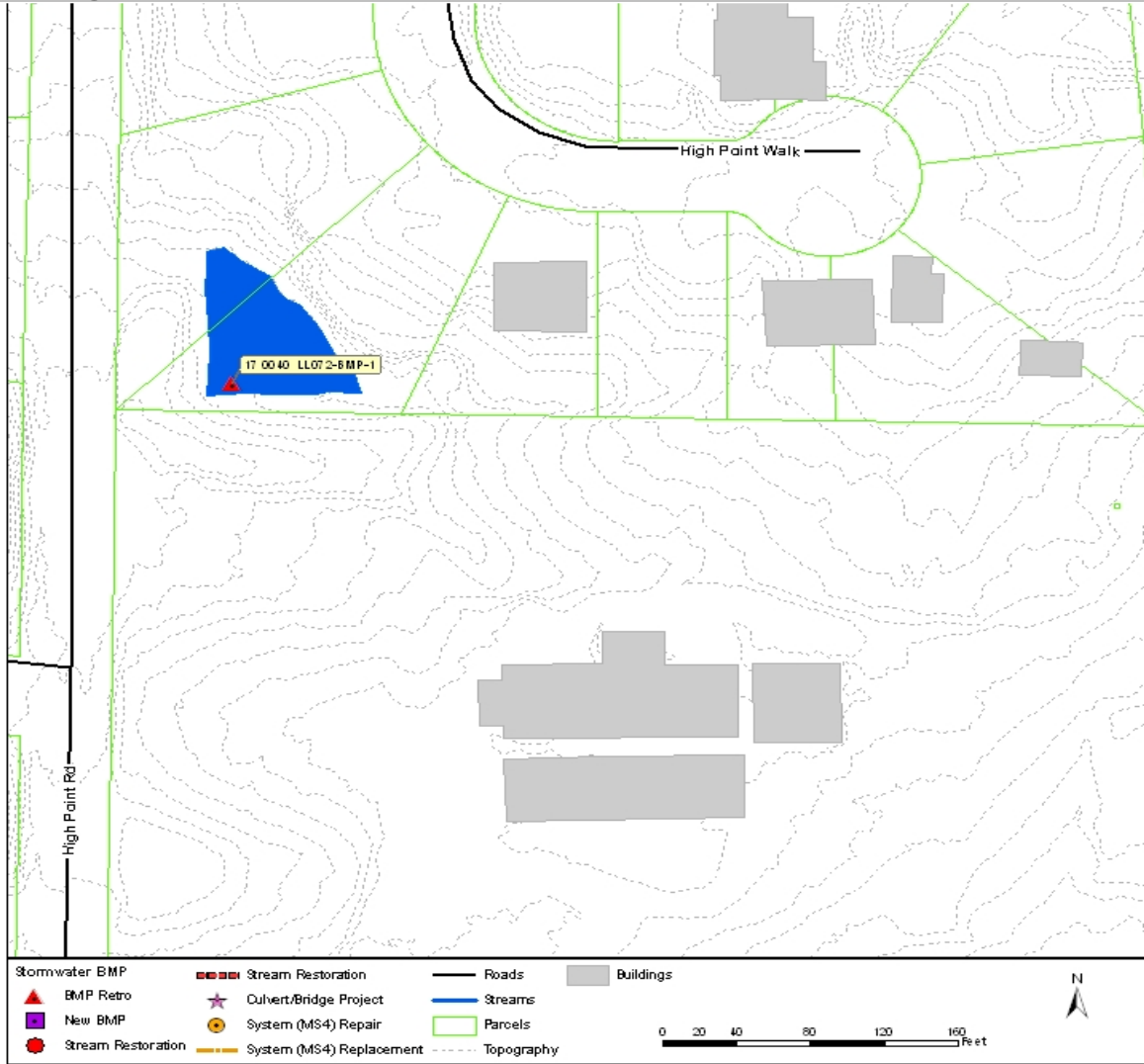


Figure 2 Plan View of Project with Topography

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
 Estimated Cost: \$822,000

Address: 5075 Green Pine Dr
 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

Photo 2

No photo available

No photo available

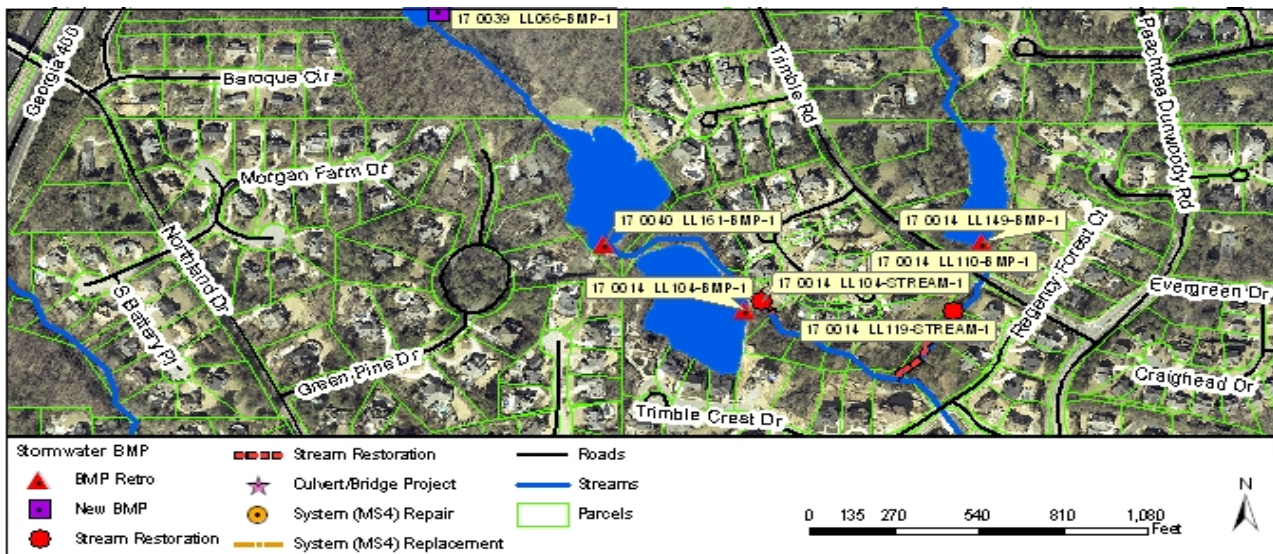


Figure 1 Plan View of Project with Aerial Photography

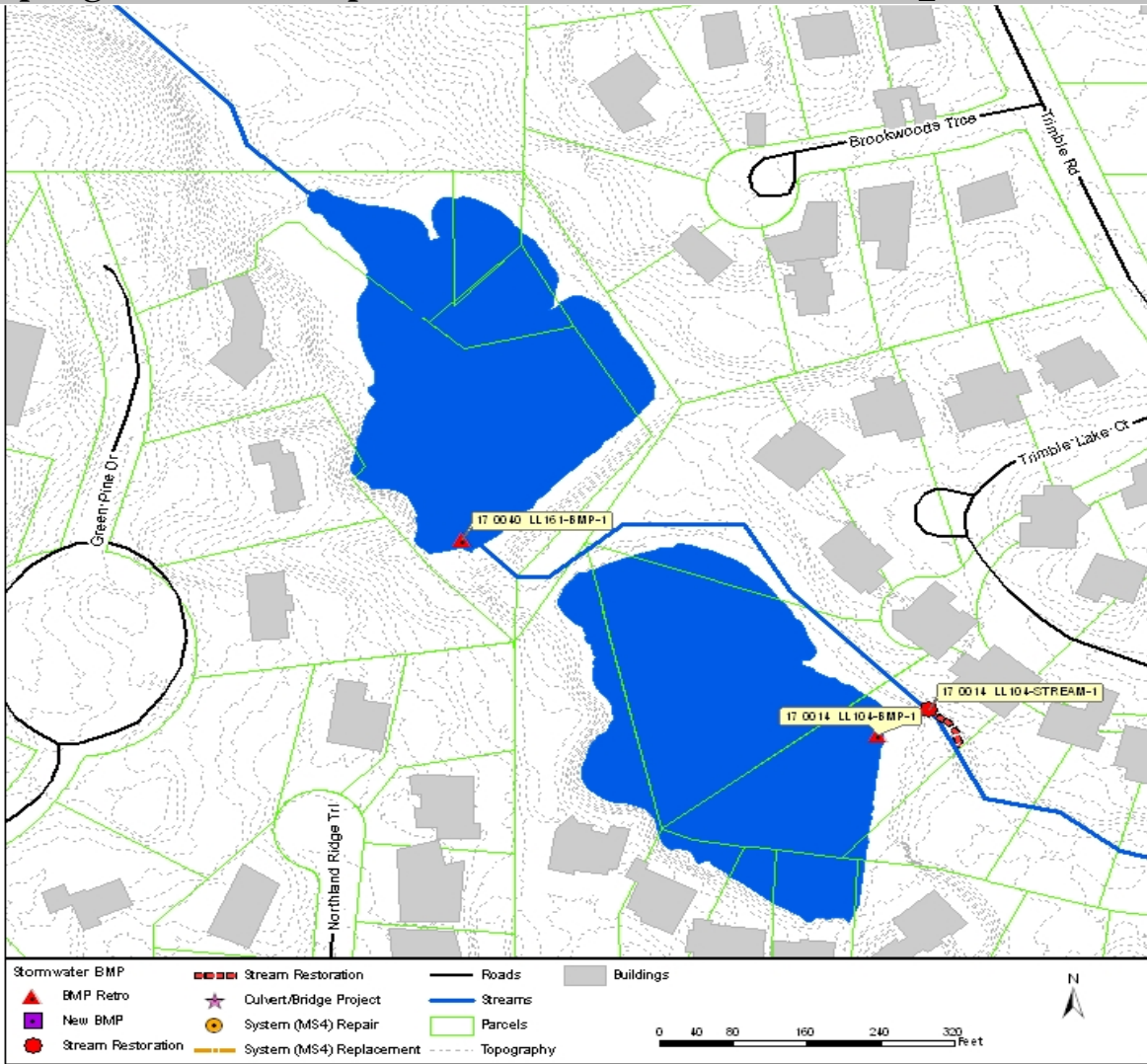


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 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; Residential - 1/2 acre lot size; Water	WQ Volume:	542,328	ft ³
		CP Volume:	1,777,365	ft ³
		25-Year Volume:	2,135,071	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	Y	Stream Order:	2	
Drainage Area:	306.8 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X500	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	37	
Flood Width Over Road:	N/A ft	Proposed Risk:	15	
Structure Type:	N/A	Change in Risk:	22	
Pipe Size:	N/A ft	Benefit/Cost:	3.62	
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
 Estimated Cost: \$1,254,000

Address: 0 Windsor Pky Ne
 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
Sandy Springs Watershed Improvement Plan

Project ID: 17 0041 LL036-BMP-1
 Asset Number: AGM_00231

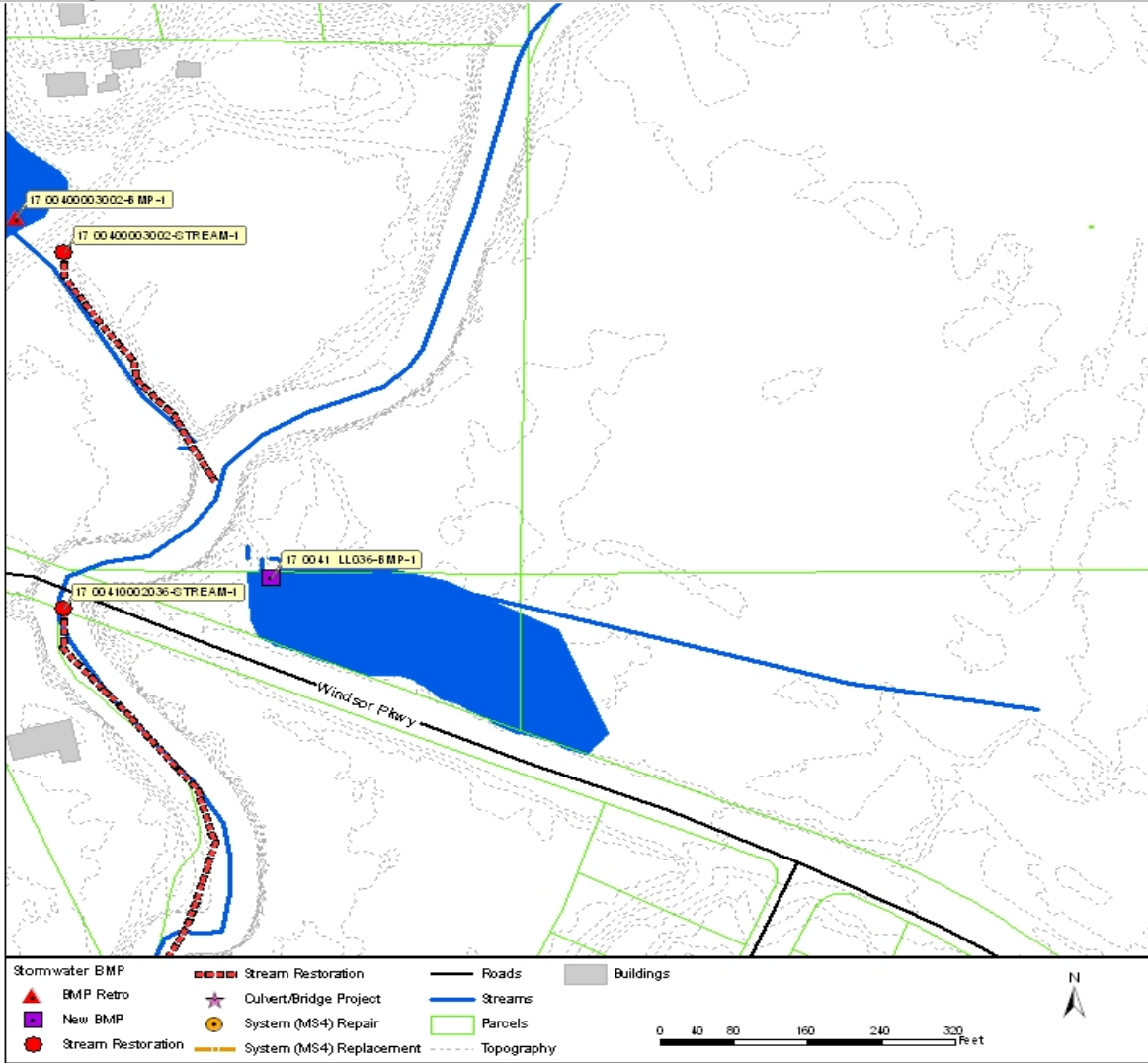


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$218,000

Address: 0 Enclave Cir

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

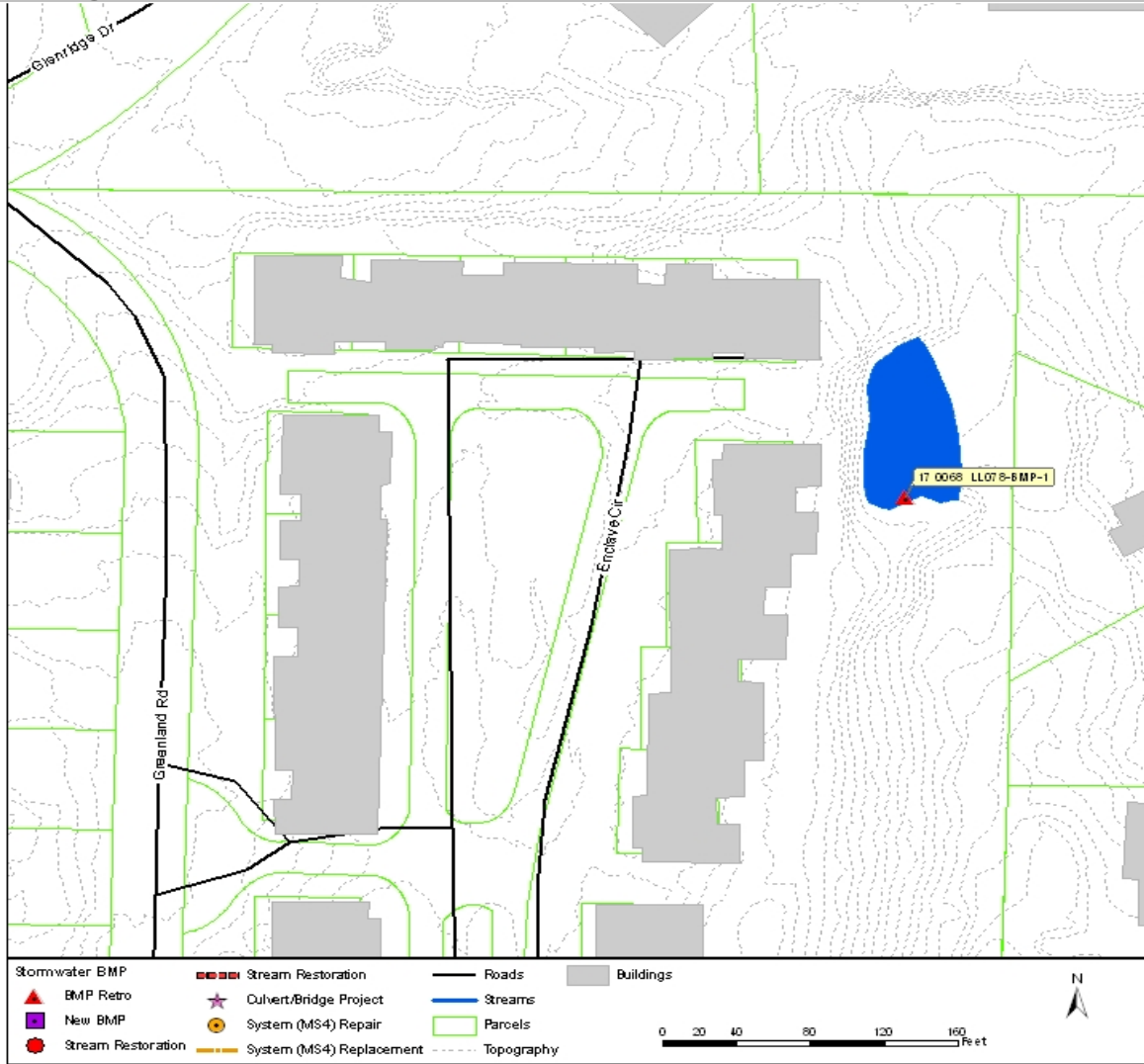


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$695,000

Address: 5135 Roswell Road

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 its capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2

No photo available

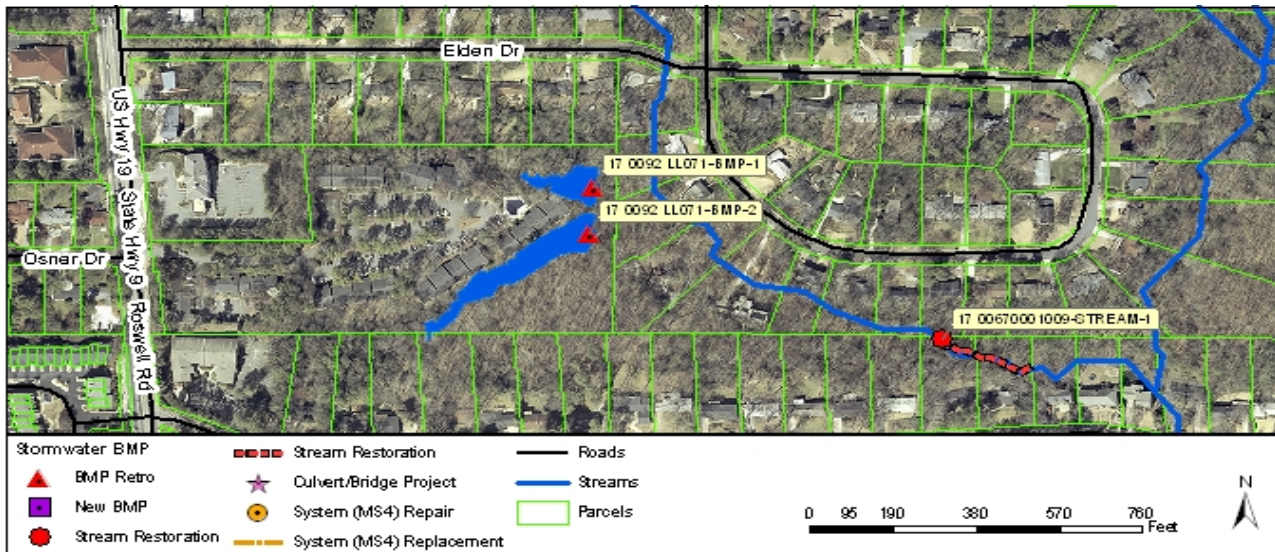


Figure 1 Plan View of Project with Aerial Photography

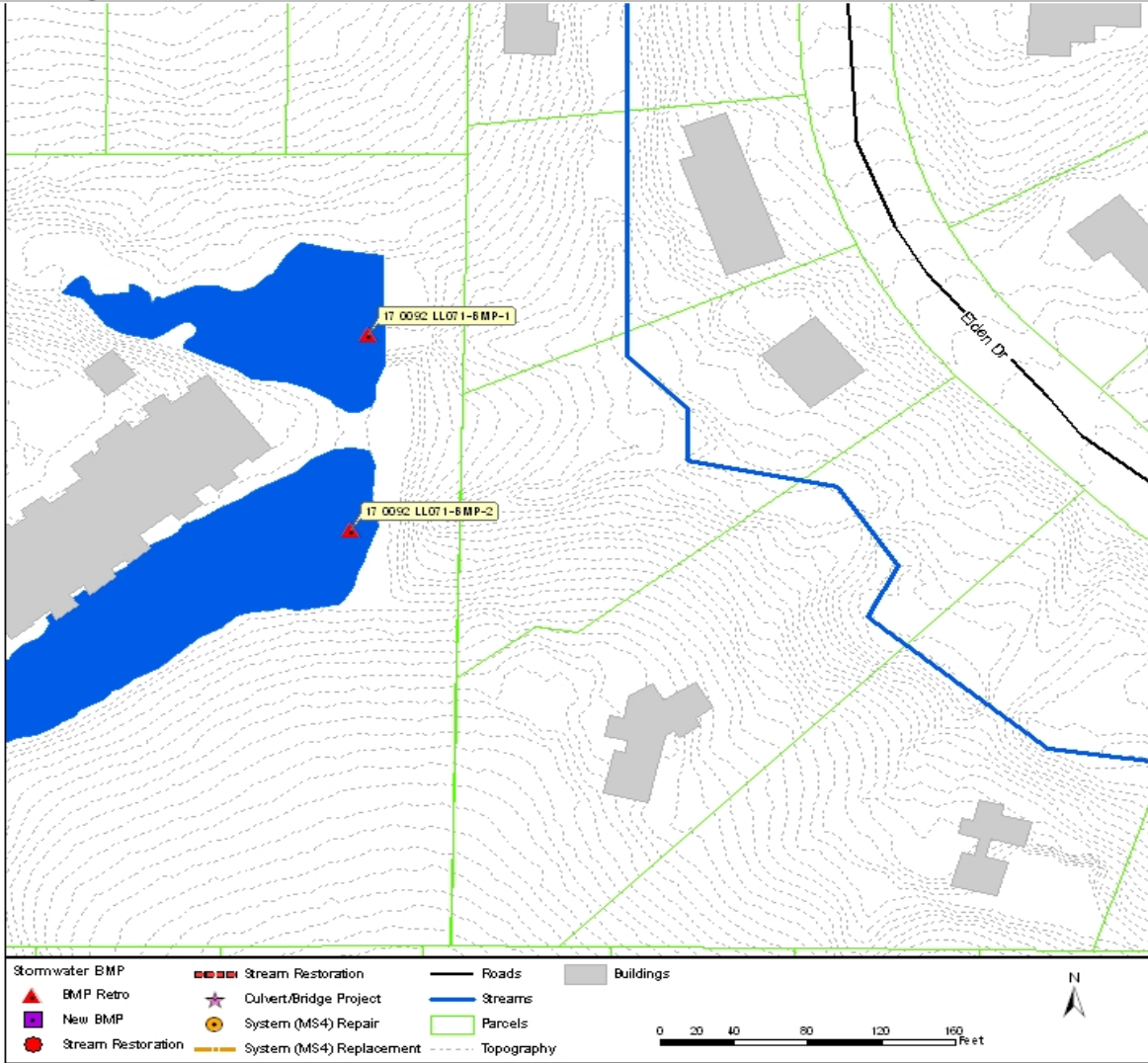


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 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
Estimated Cost: \$437,000

Address: 5135 Roswell Road

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

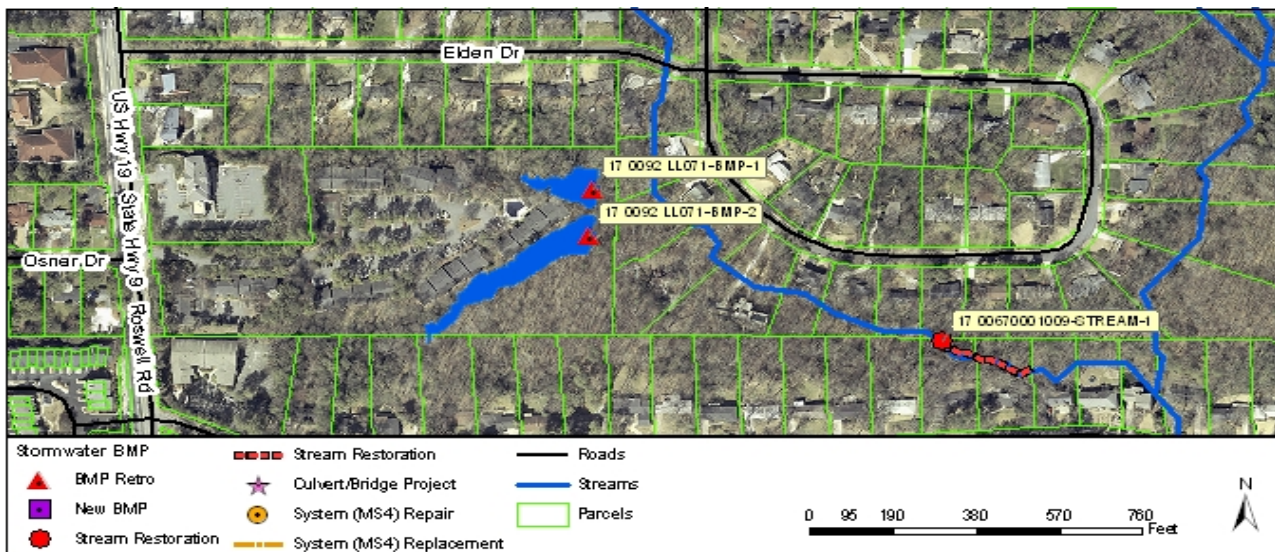


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 0092 LL071-BMP-2
 Asset Number: AGM_01692

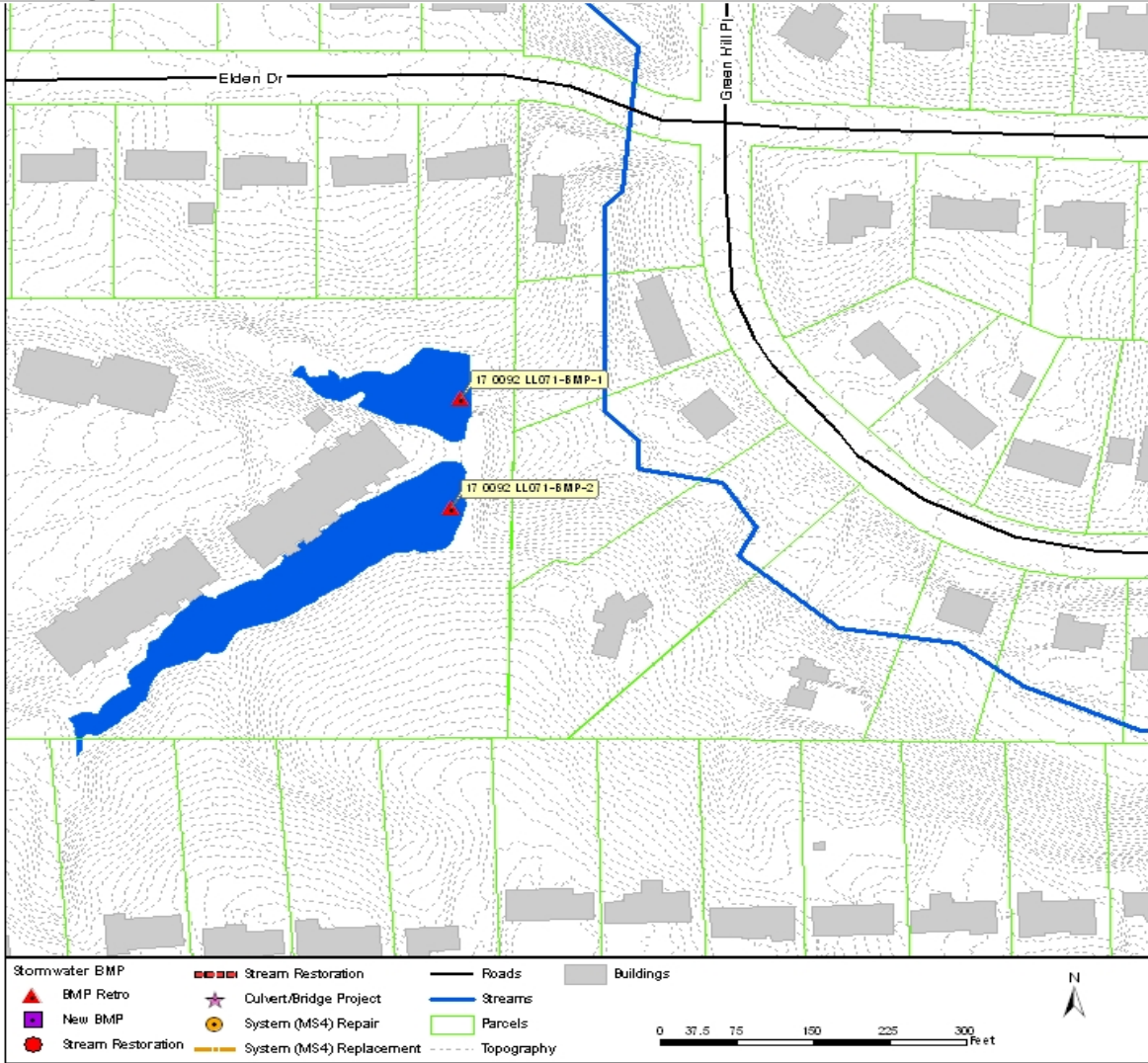


Figure 2 Plan View of Project with Topography

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
 Estimated Cost: \$548,000

Address: 5260 West Kingston Ct Ne

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

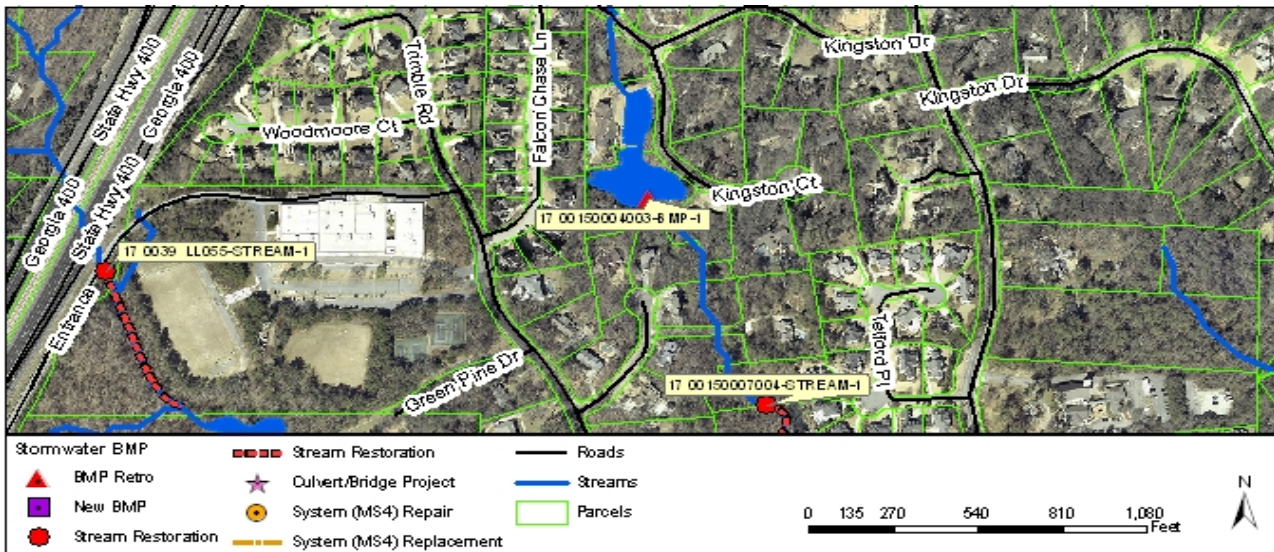


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00150004003-BMP-1
 Asset Number: AGM_02086

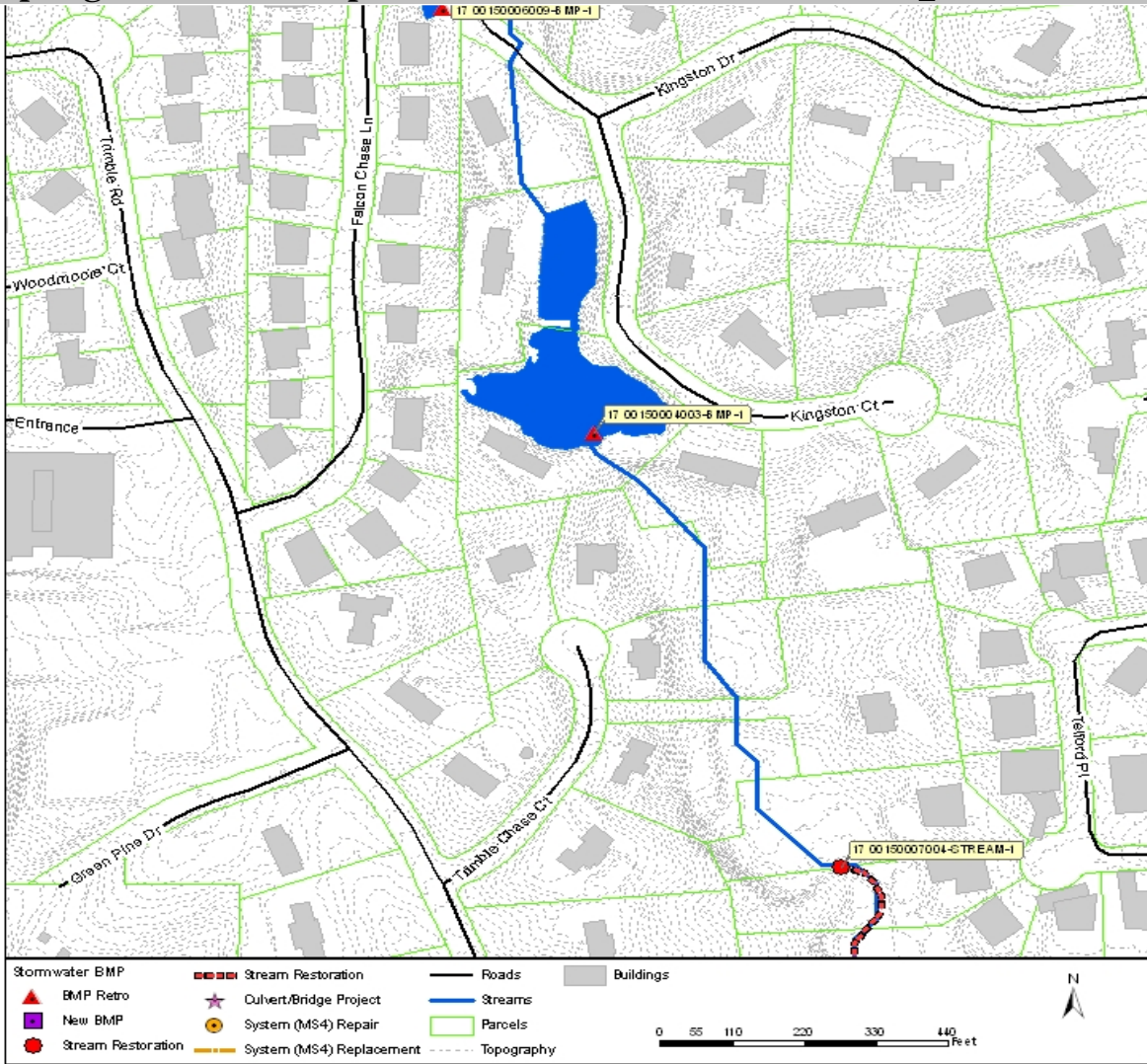


Figure 2 Plan View of Project with Topography

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
 Estimated Cost: \$479,000

Address: 5185 Falcon Chase Ln
 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

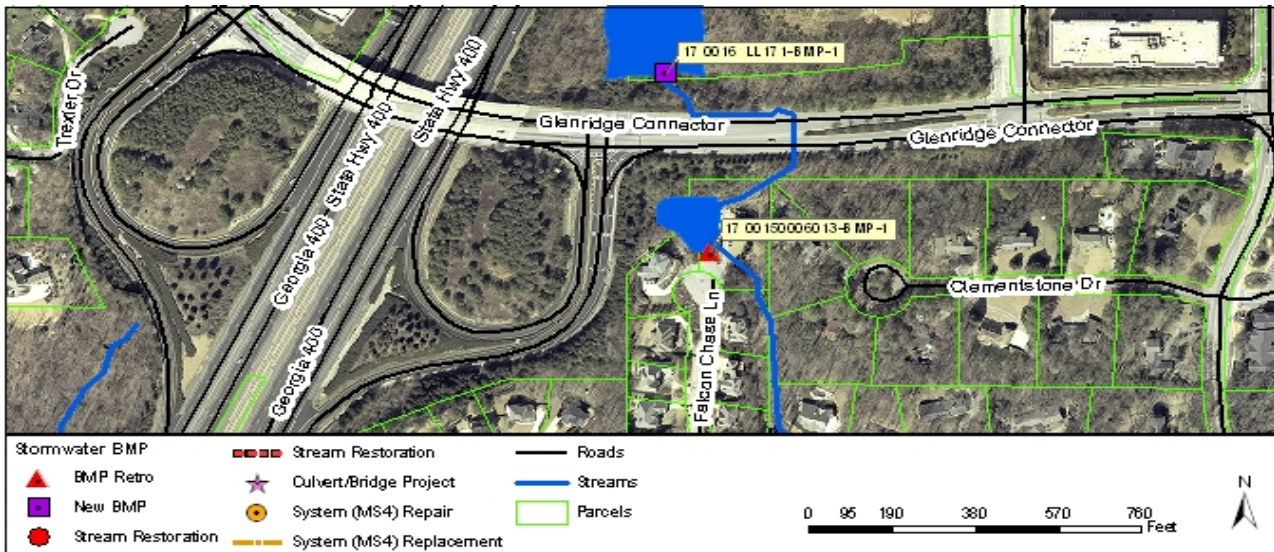


Figure 1 Plan View of Project with Aerial Photography

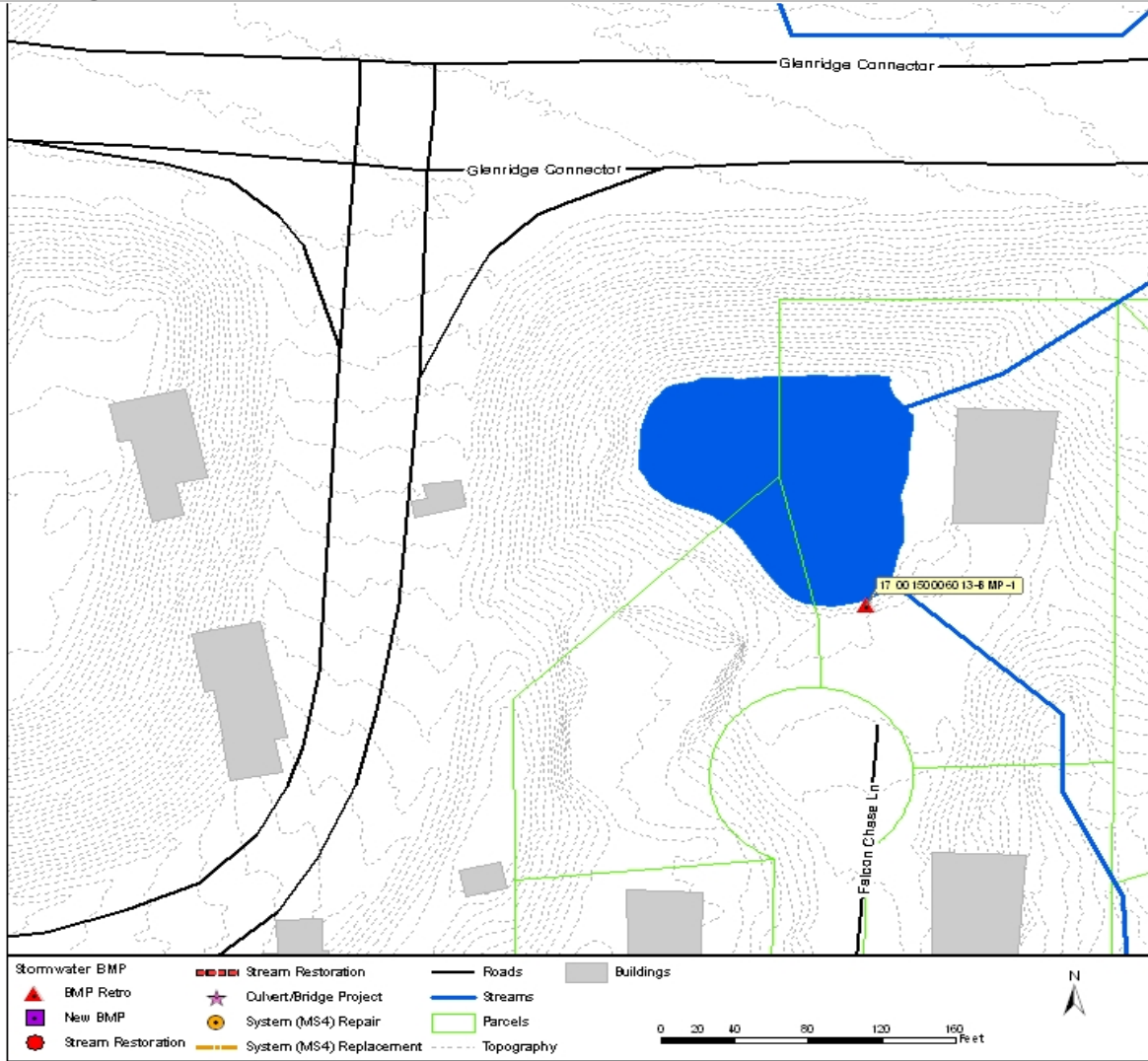


Figure 2 Plan View of Project with Topography

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; Woods - Grass Combination Fair	WQ Volume:	124,054	ft ³
		CP Volume:	462,391	ft ³
		25-Year Volume:	596,818	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	Y	Stream Order:	1	
Drainage Area:	57.8 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X500, X	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	49	
Flood Width Over Road:	N/A ft	Proposed Risk:	32	
Structure Type:	N/A	Change in Risk:	17	
Pipe Size:	N/A ft	Benefit/Cost:	4.26	
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
Estimated Cost: \$394,000

Address: 540 Telford Pl

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

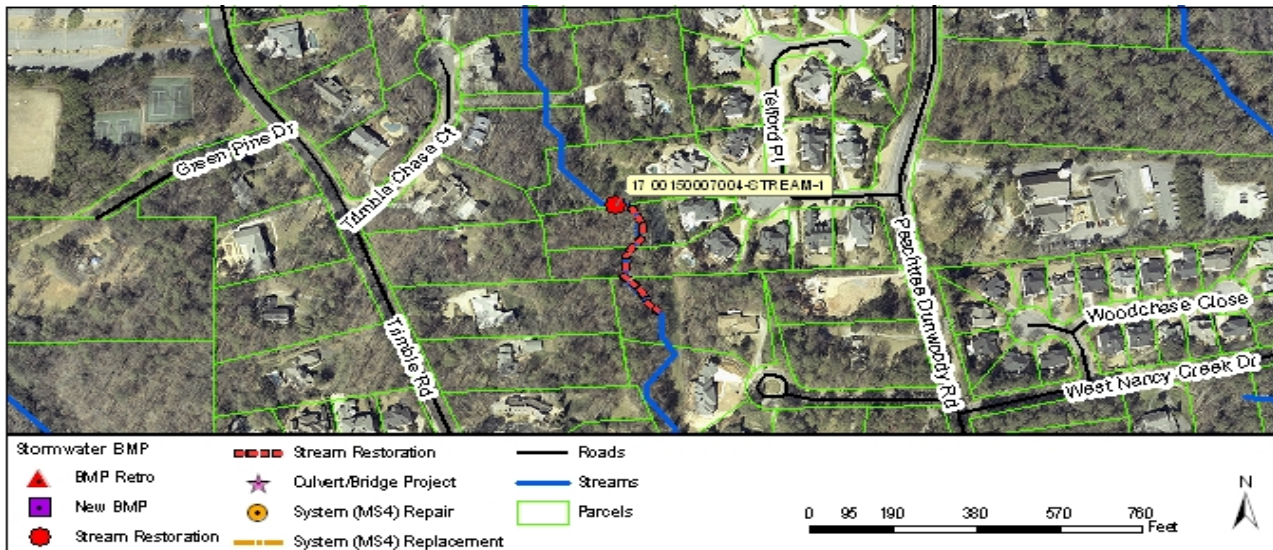


Figure 1 Plan View of Project with Aerial Photography

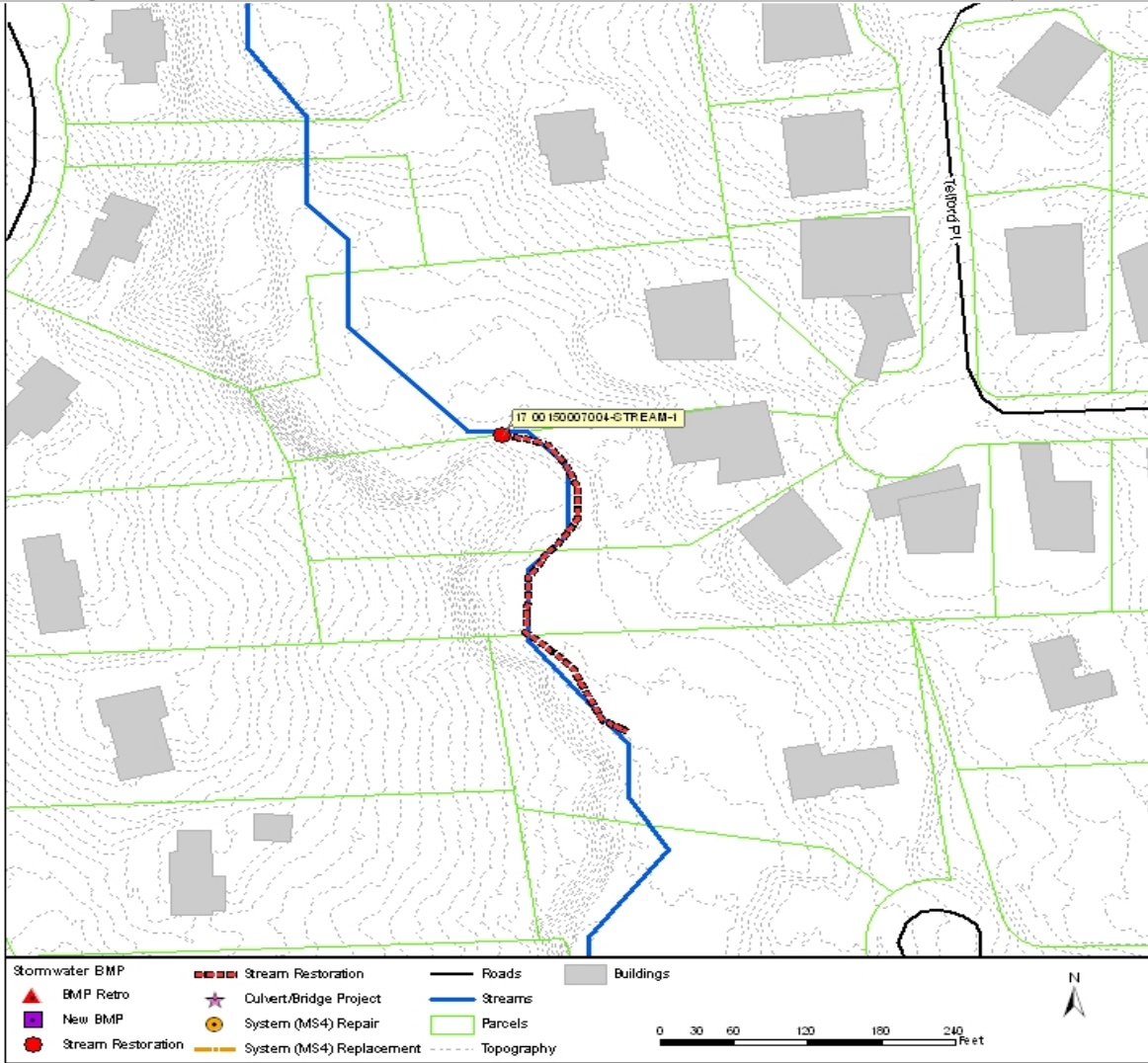


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$229,000

Address: 5675 Peachtree Dunwoody Rd

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

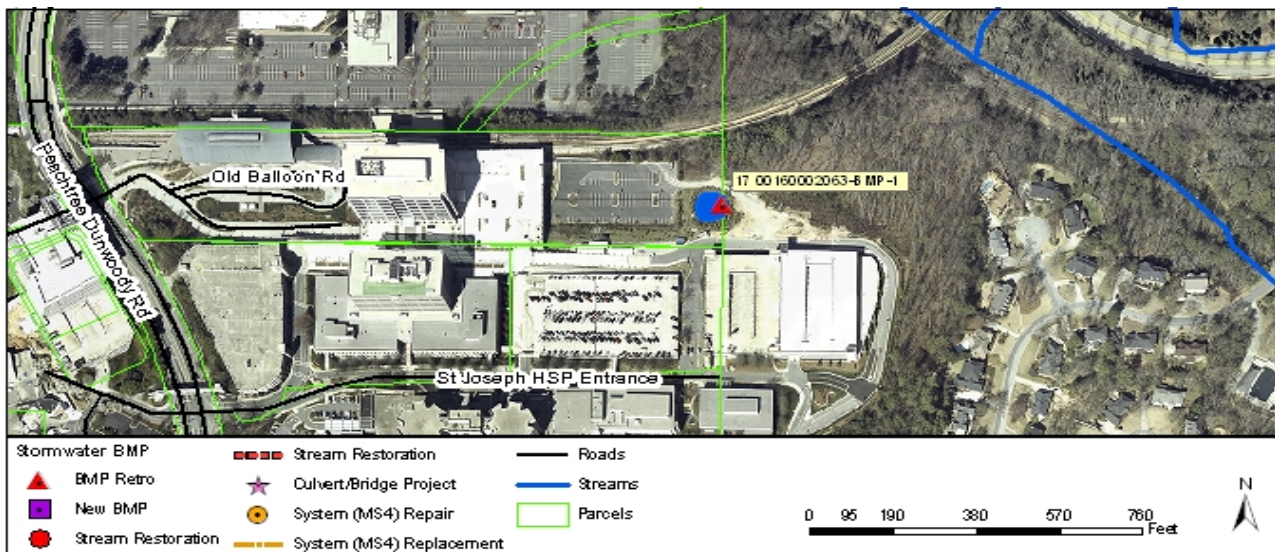


Figure 1 Plan View of Project with Aerial Photography

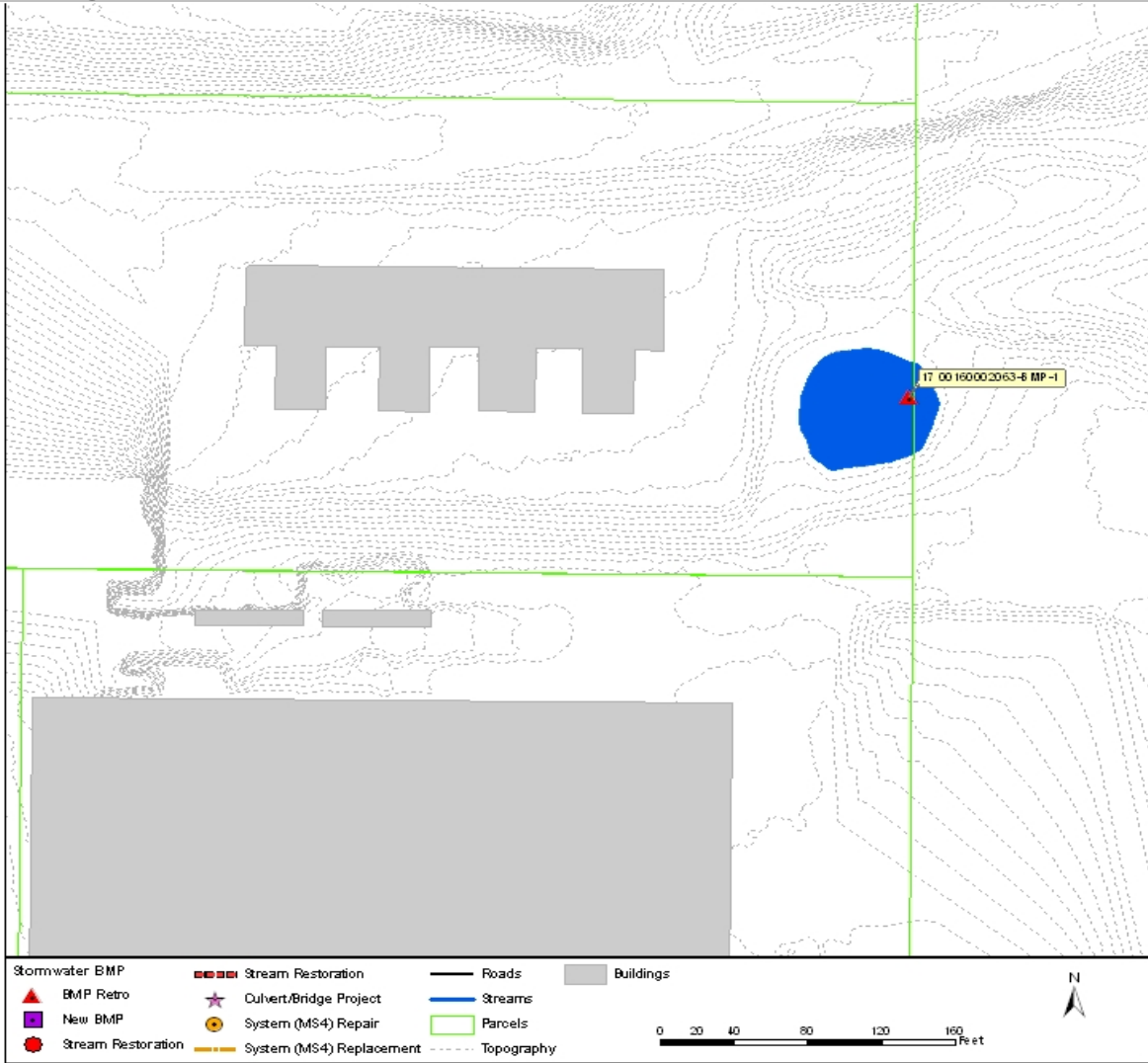


Figure 2 Plan View of Project with Topography

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
 Estimated Cost: \$813,000

Address: 6210 Peachtree Dunwoody Rd
 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

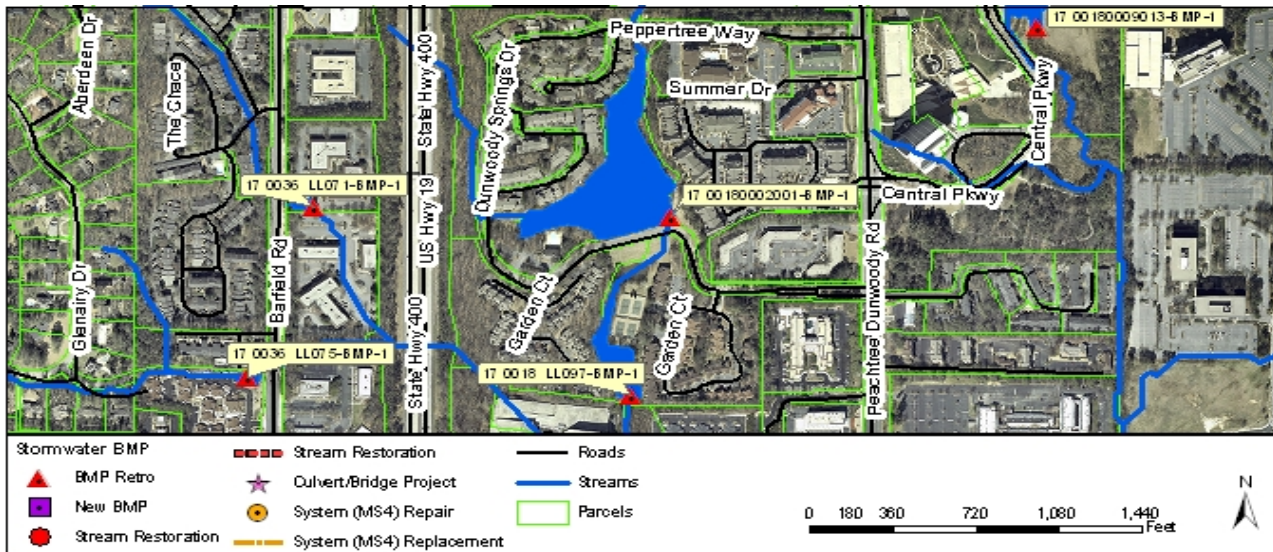


Figure 1 Plan View of Project with Aerial Photography

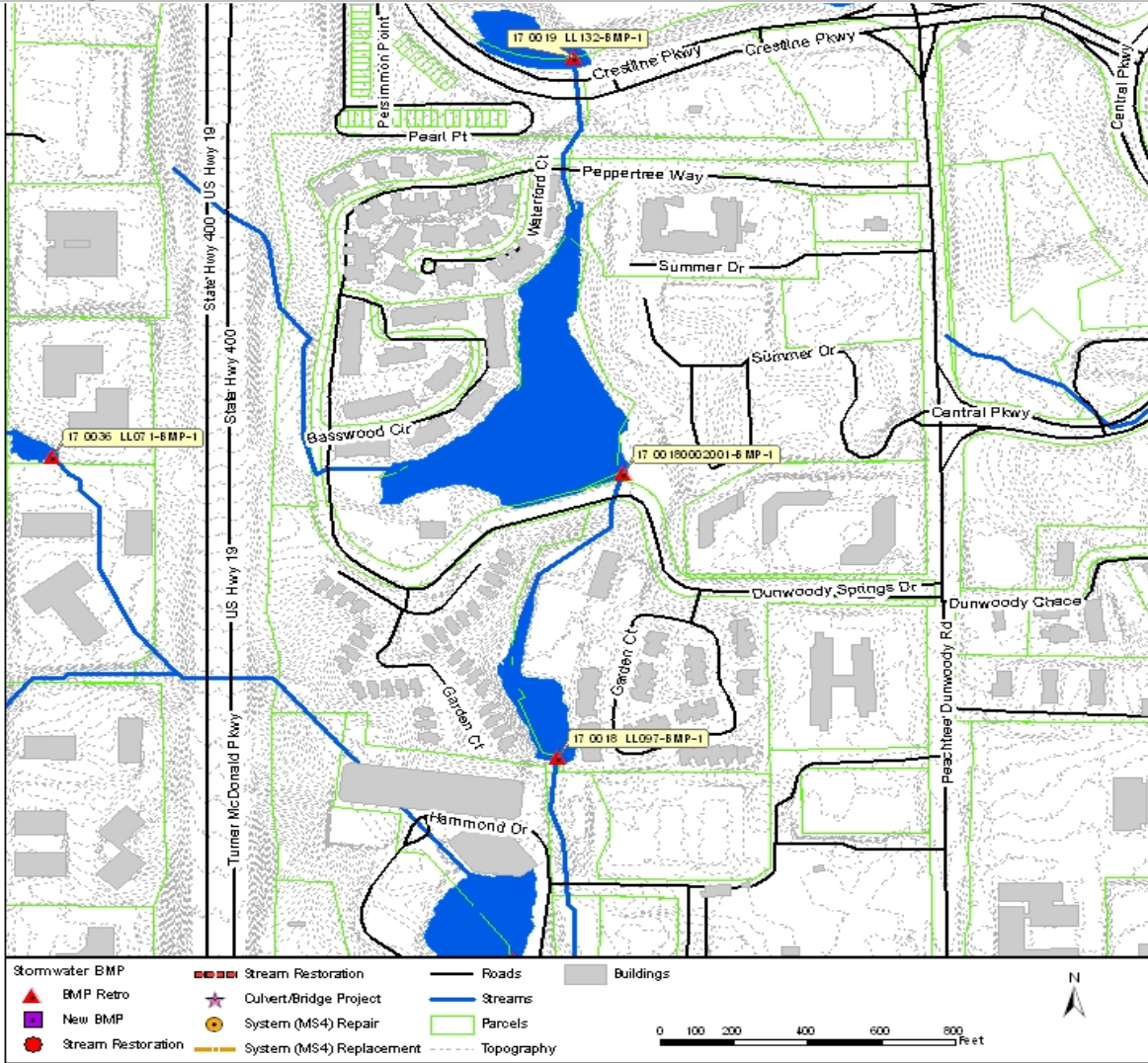


Figure 2 Plan View of Project with Topography

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; Water; Woods - Grass Combination Fair	WQ Volume:	286,934	ft ³
		CP Volume:	857,233	ft ³
		25-Year Volume:	1,081,508	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	Y	Stream Order:	2	
Drainage Area:	108.4 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X500, X	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	21	
Flood Width Over Road:	N/A ft	Proposed Risk:	12	
Structure Type:	N/A	Change in Risk:	9	
Pipe Size:	N/A ft	Benefit/Cost:	1.56	
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
 Estimated Cost: \$456,000

Address: 0 Peachtree Dunwoody Rd
 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

Photo 2

No photo available

No photo available



Figure 1 Plan View of Project with Aerial Photography

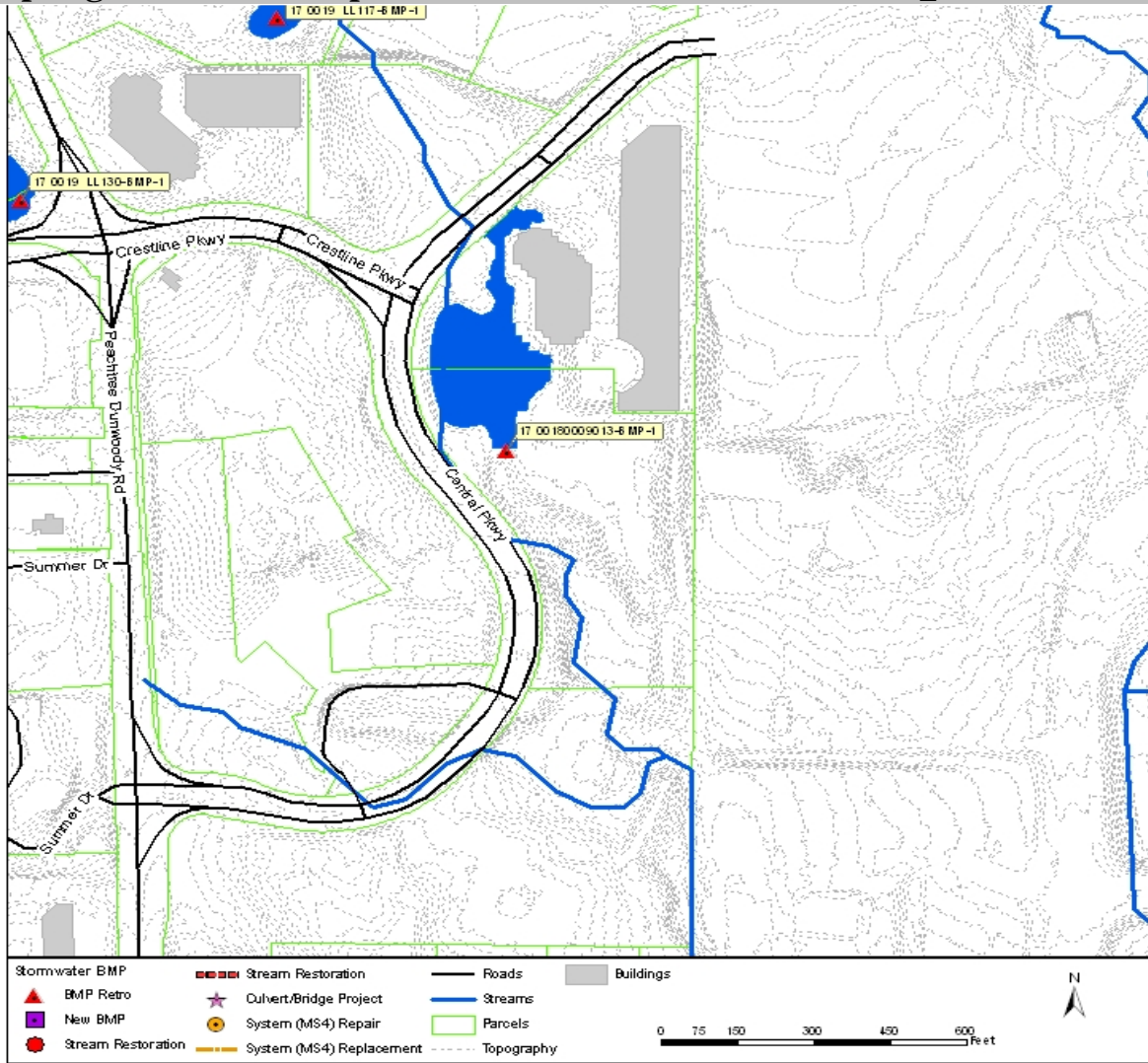


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 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
TMDL Stream(FecalColiform):	Y	Stream Project Length:	N/A	ft
TMDL Stream (Biota):	Y	Stream Order:	1	
Drainage Area:	71.3 acres	Bank Stability (% exposed):	N/A	N/A
FEMA Flood Hazard Zone:	X500, X	Bank Height:	N/A	N/A
Max Flood Depth Over Road:	N/A ft	Existing Risk:	33	
Flood Width Over Road:	N/A ft	Proposed Risk:	17	
Structure Type:	N/A	Change in Risk:	16	
Pipe Size:	N/A ft	Benefit/Cost:	3.94	
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
Estimated Cost: \$348,000

Address: 6025 Glenridge Dr
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

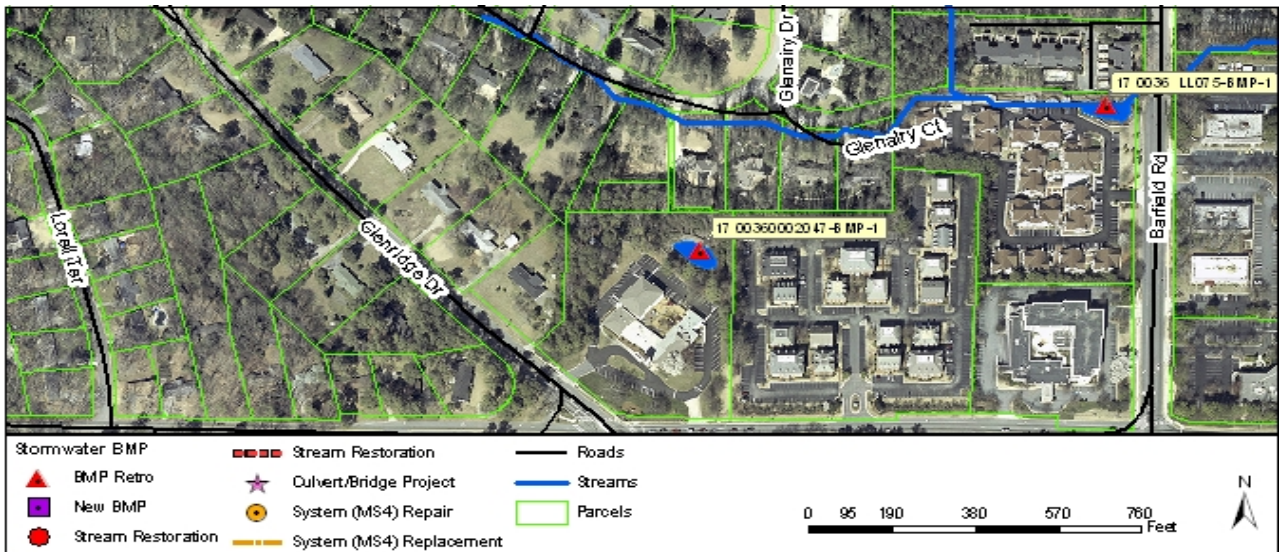


Figure 1 Plan View of Project with Aerial Photography

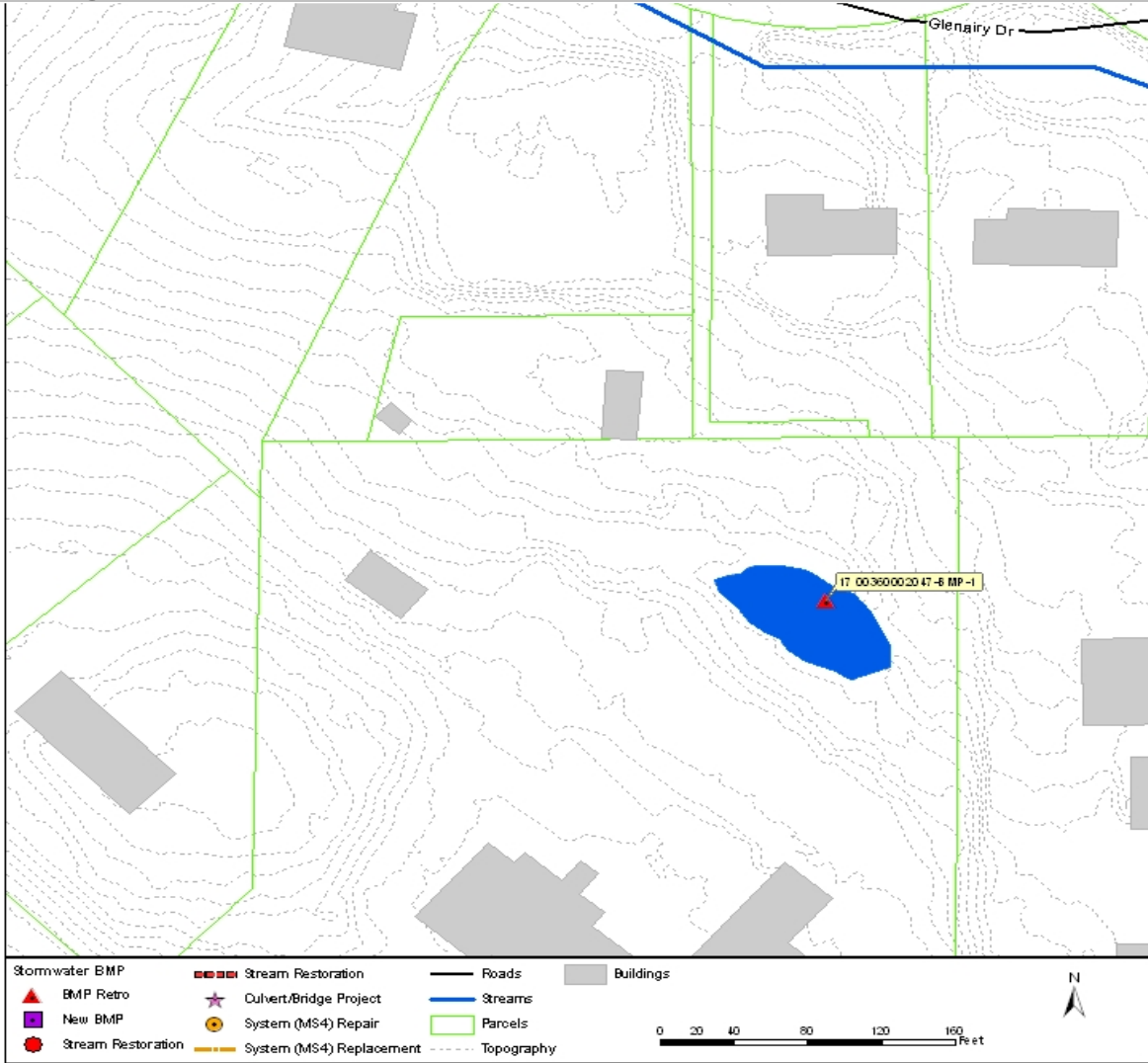


Figure 2 Plan View of Project with Topography

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
 Estimated Cost: \$414,000

Address: 0 Royervista Dr
 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 its capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2

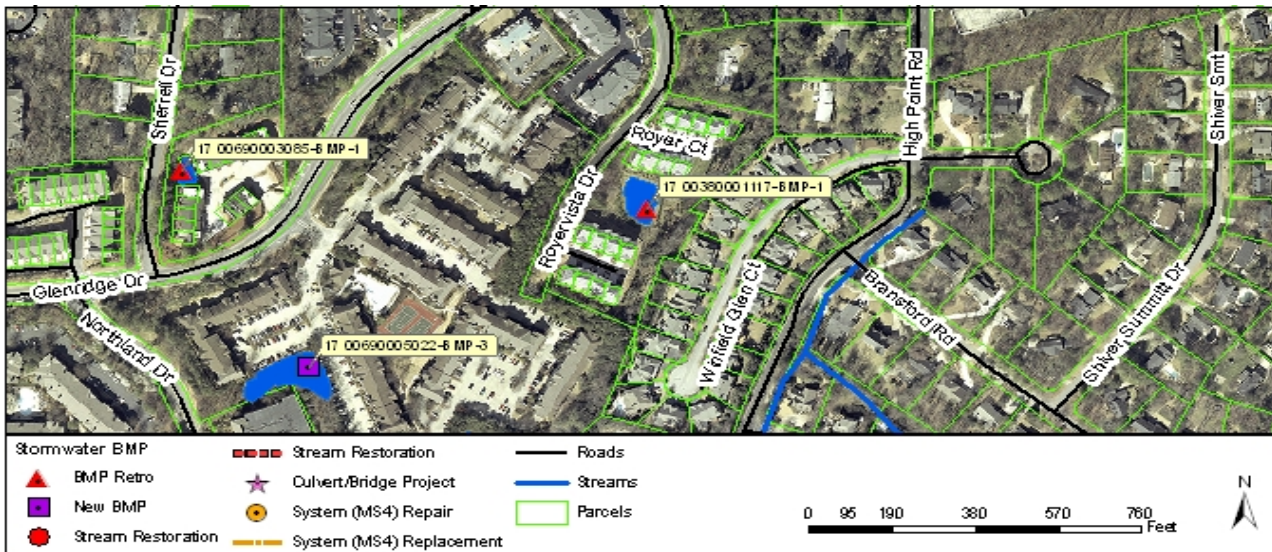


Figure 1 Plan View of Project with Aerial Photography

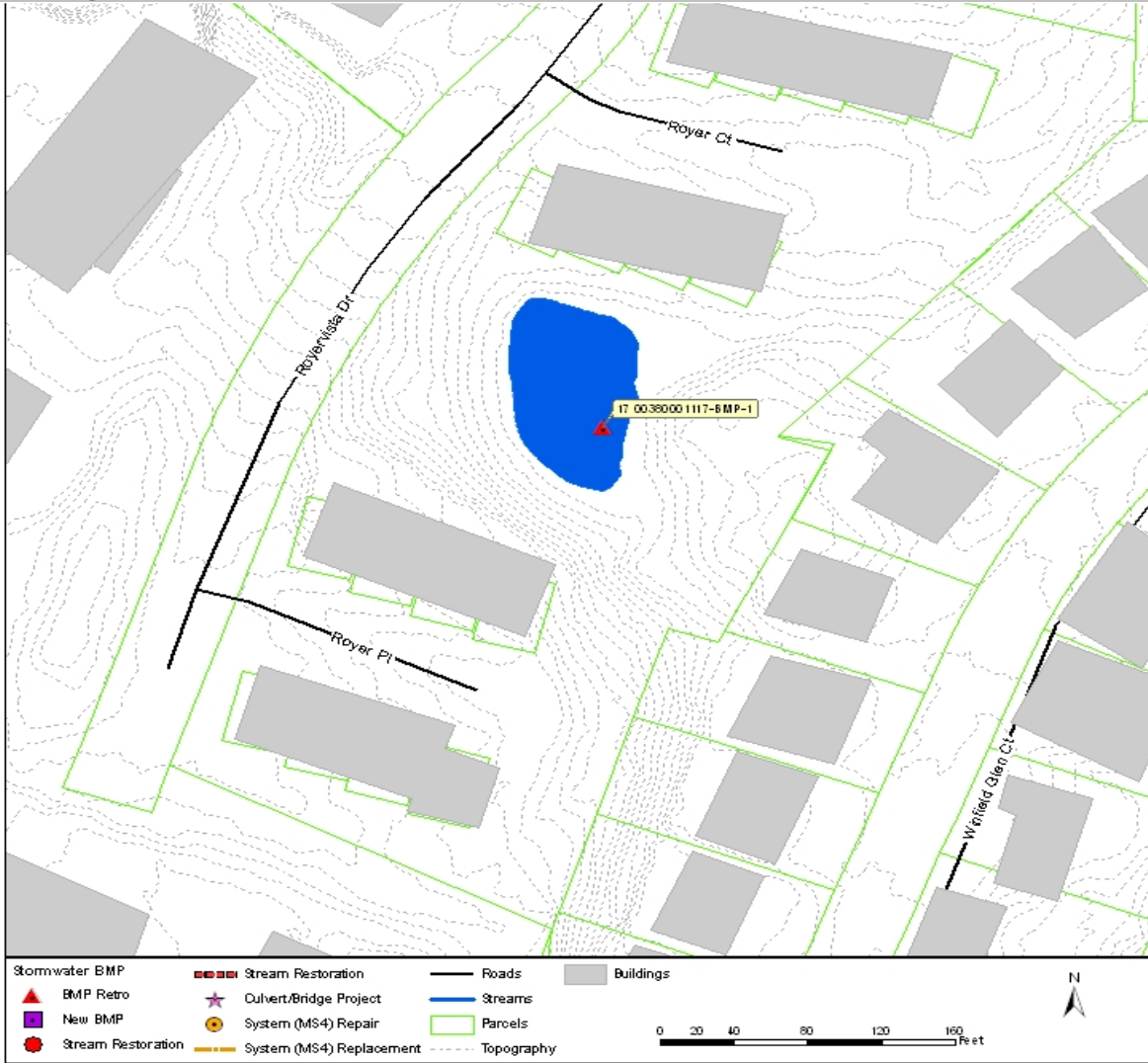


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$263,000

Address: 110 Tamarisk Dr
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

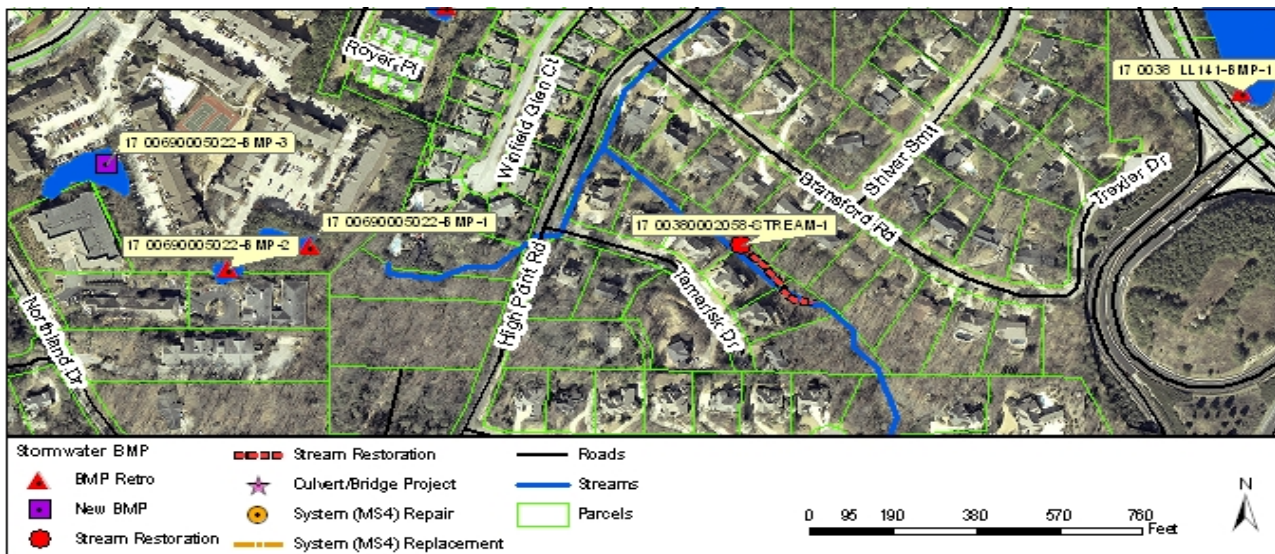


Figure 1 Plan View of Project with Aerial Photography

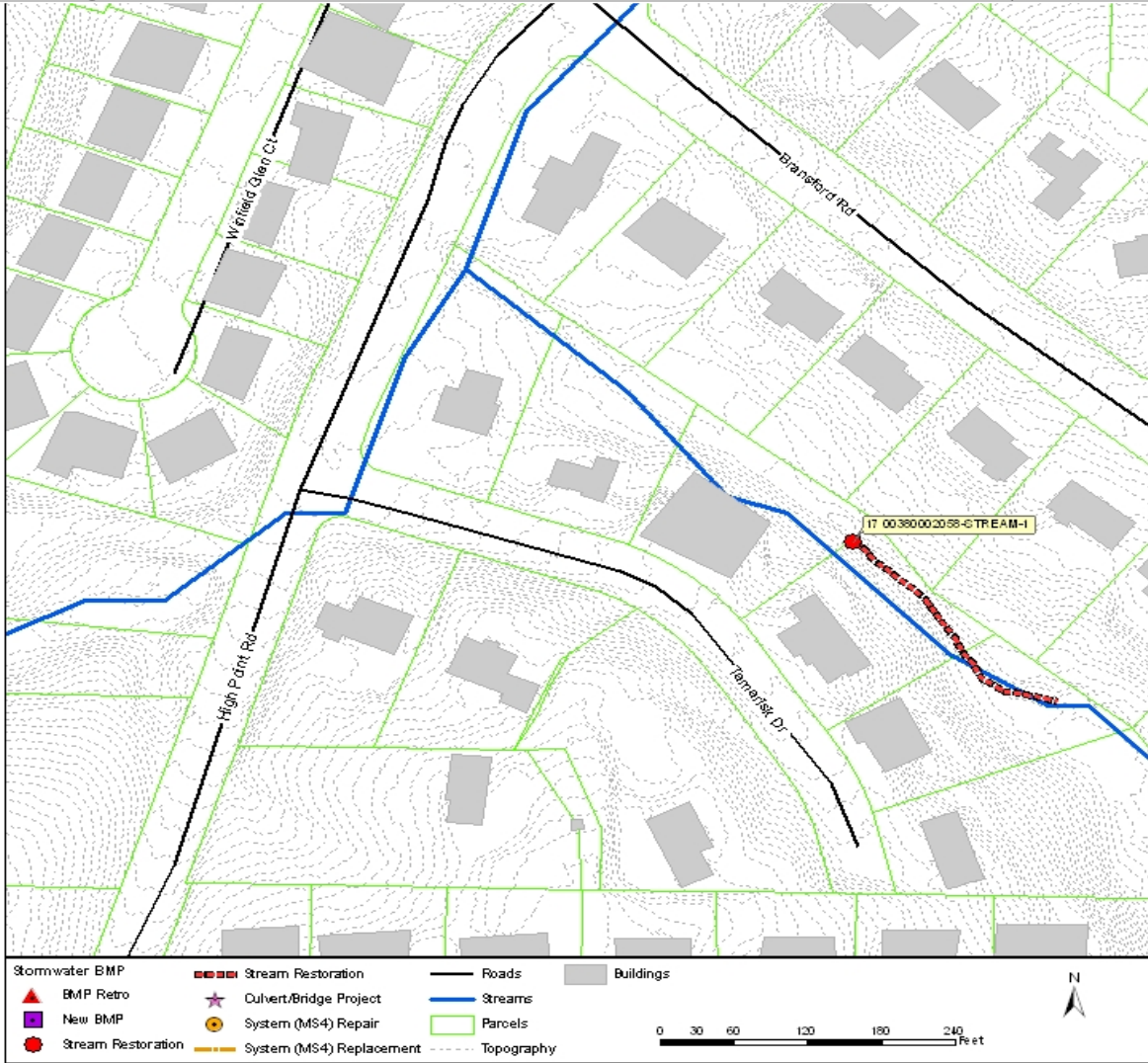


Figure 2 Plan View of Project with Topography

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; Woods - Grass Combination	WQ Volume:	N/A	ft ³
	Fair	CP Volume:	N/A	ft ³
		25-Year Volume:	N/A	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	235	ft
TMDL Stream (Biota):	Y	Stream Order:	2	
Drainage Area:	87.5 acres	Bank Stability (% exposed):	75-100% LB	75-100% RB
FEMA Flood Hazard Zone:	X500	Bank Height:	12ft LB	12ft RB
Max Flood Depth Over Road:	N/A ft	Existing Risk:	38	
Flood Width Over Road:	N/A ft	Proposed Risk:	16	
Structure Type:	N/A	Change in Risk:	22	
Pipe Size:	N/A ft	Benefit/Cost:	5.59	
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
 Estimated Cost: \$483,000

Address: 225 Sheidan Point Lane
 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

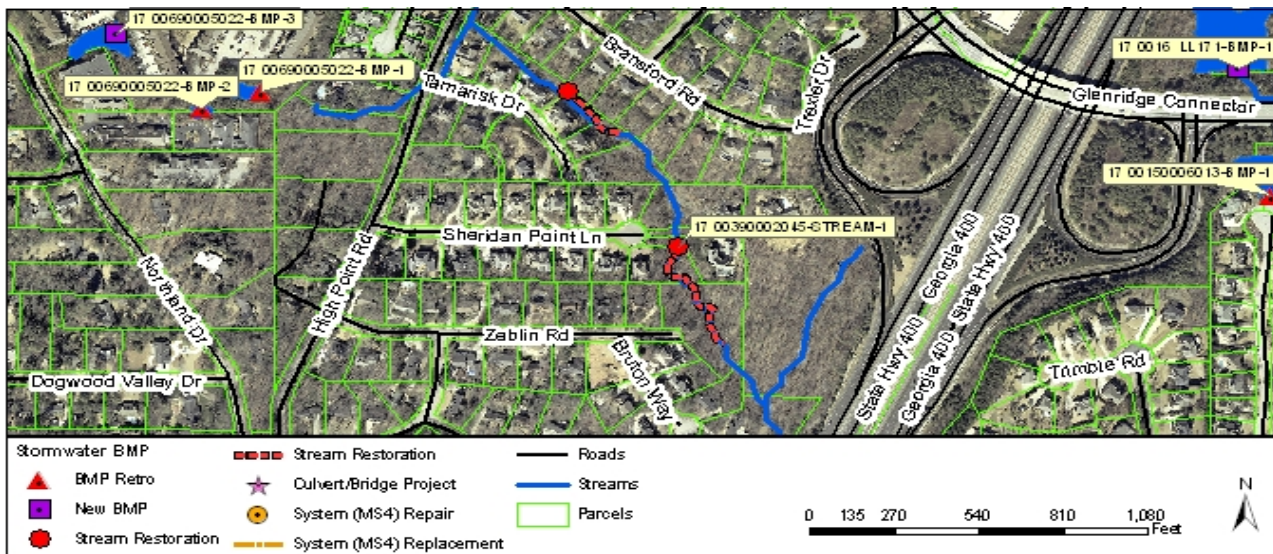


Figure 1 Plan View of Project with Aerial Photography



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
 Estimated Cost: \$523,000

Address: 280 Bruton Way
 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

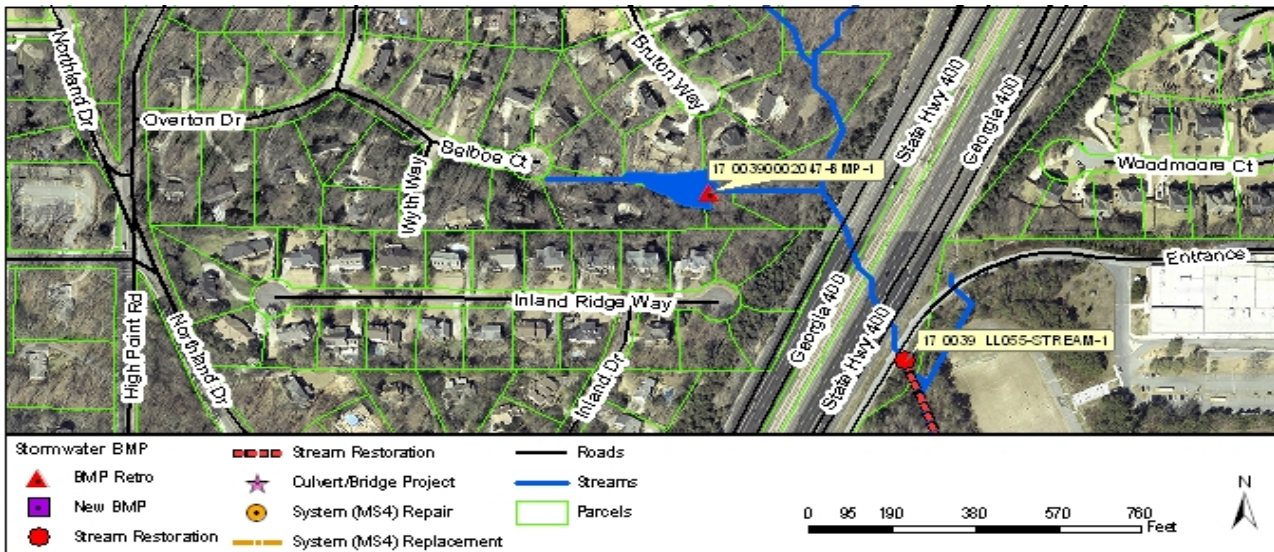


Figure 1 Plan View of Project with Aerial Photography

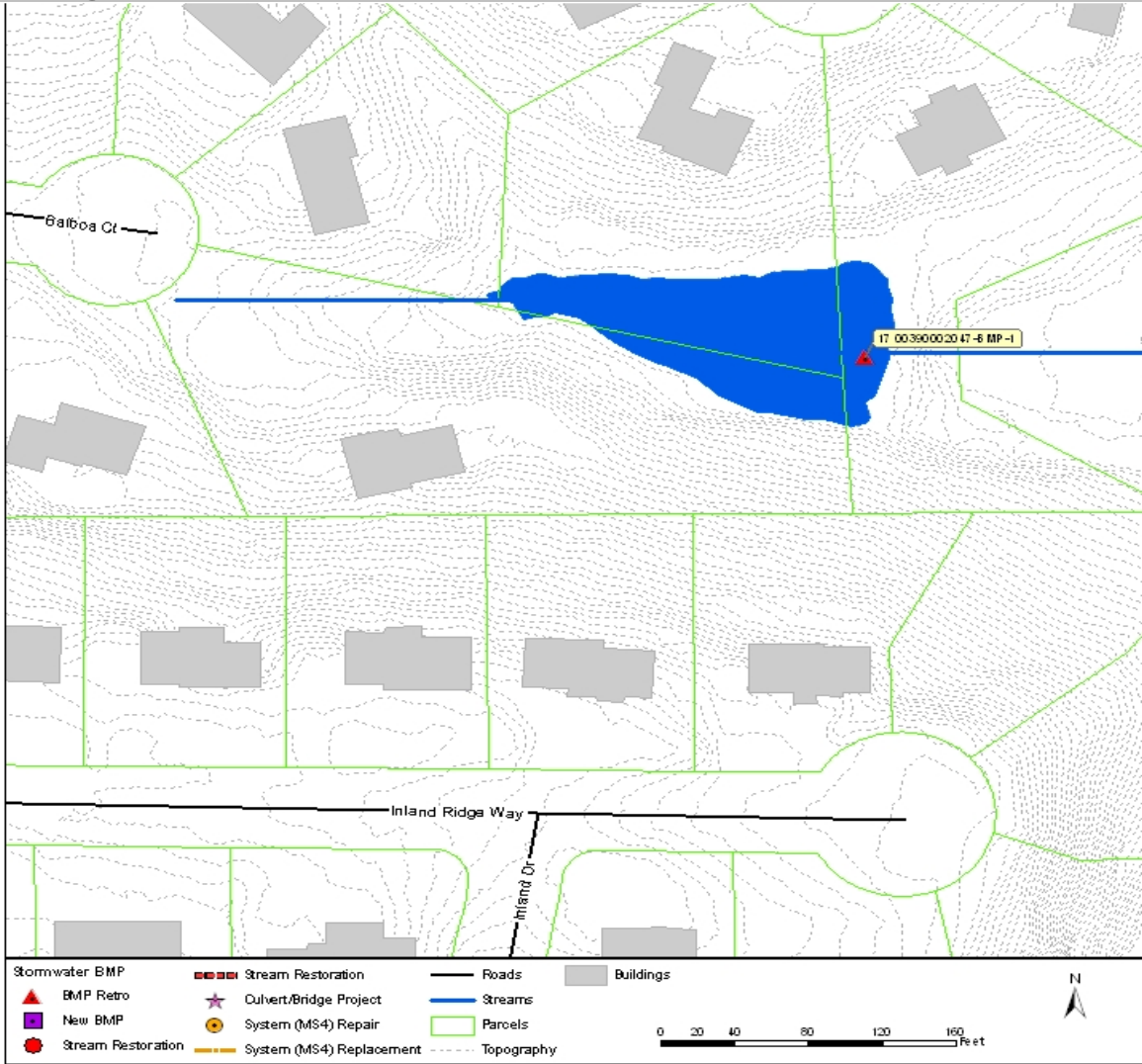


Figure 2 Plan View of Project with Topography

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
 Estimated Cost: \$281,000

Address: 4867 Northland Dr Ne

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

Photo 2

No photo available

No photo available

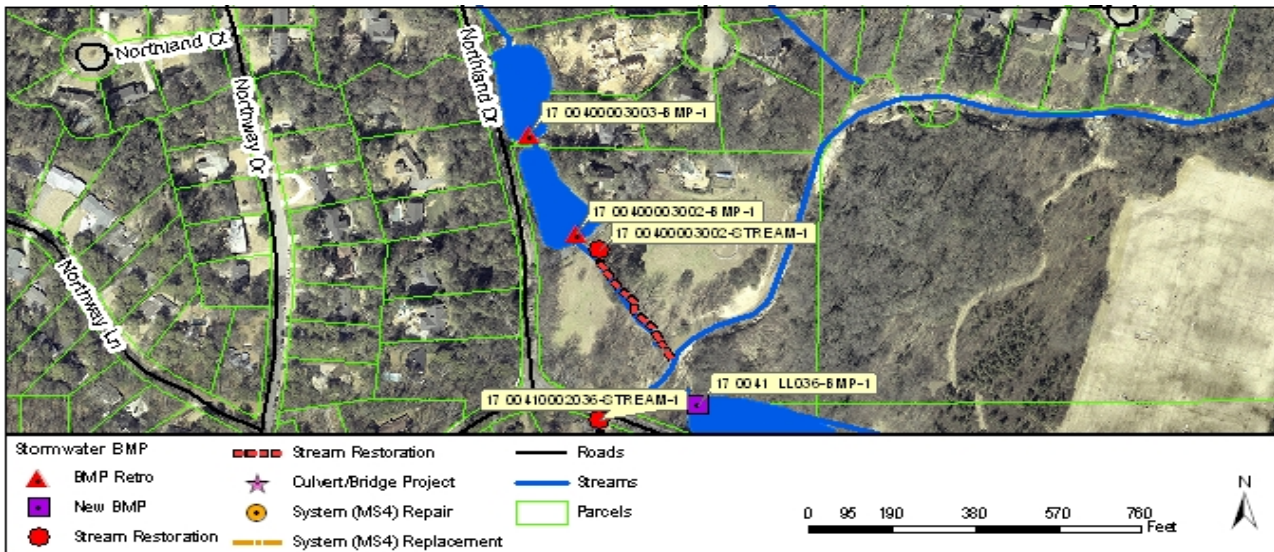


Figure 1 Plan View of Project with Aerial Photography

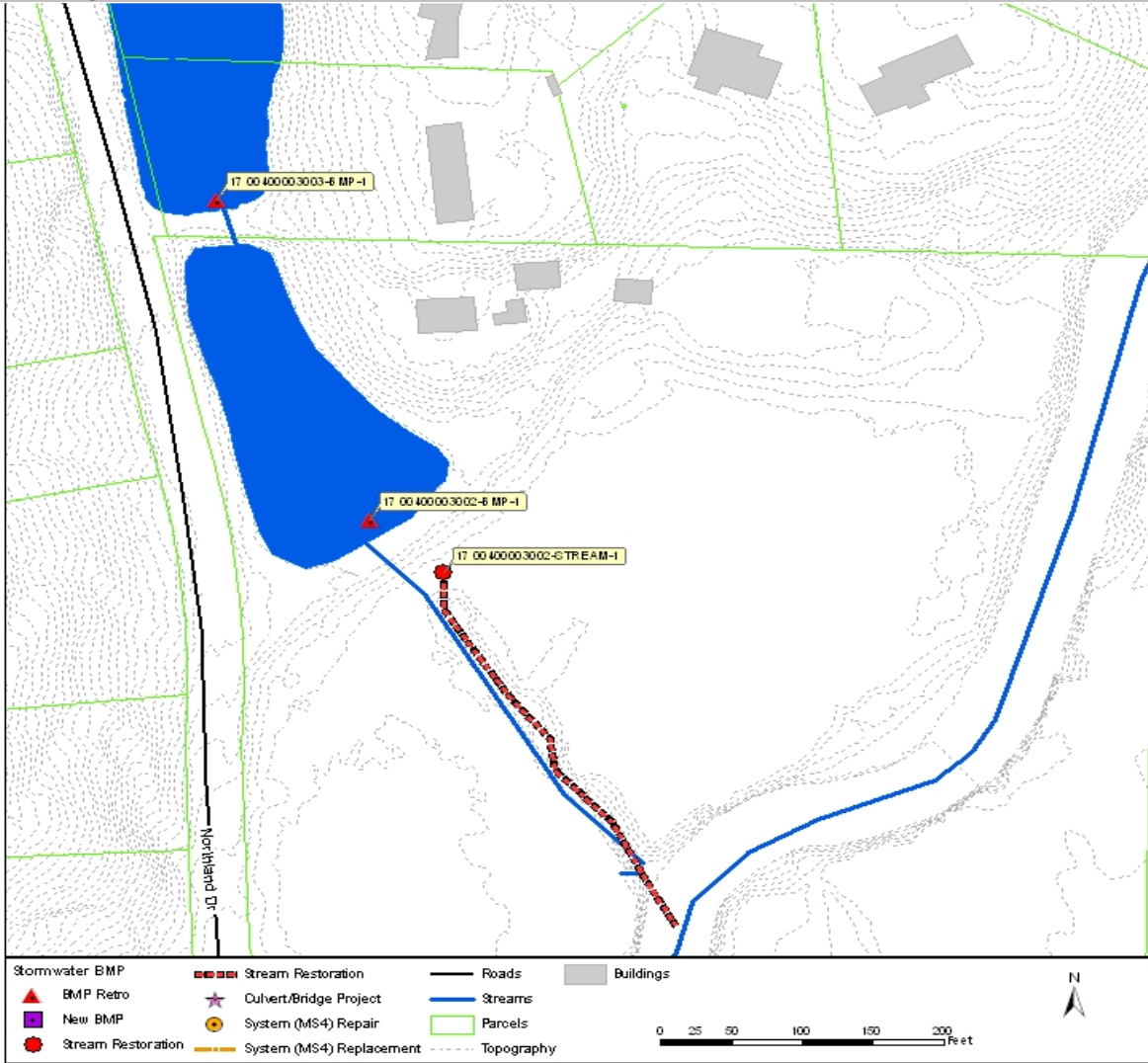


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 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

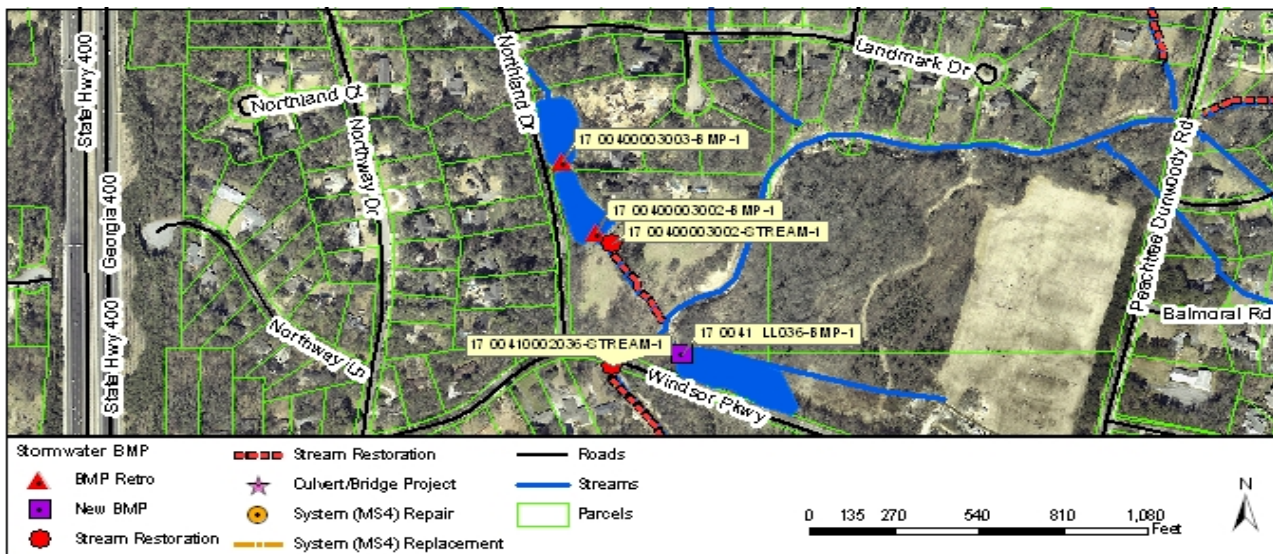


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00400003002-STREAM-1
 Asset Number: AGM_02499, AGM_02578

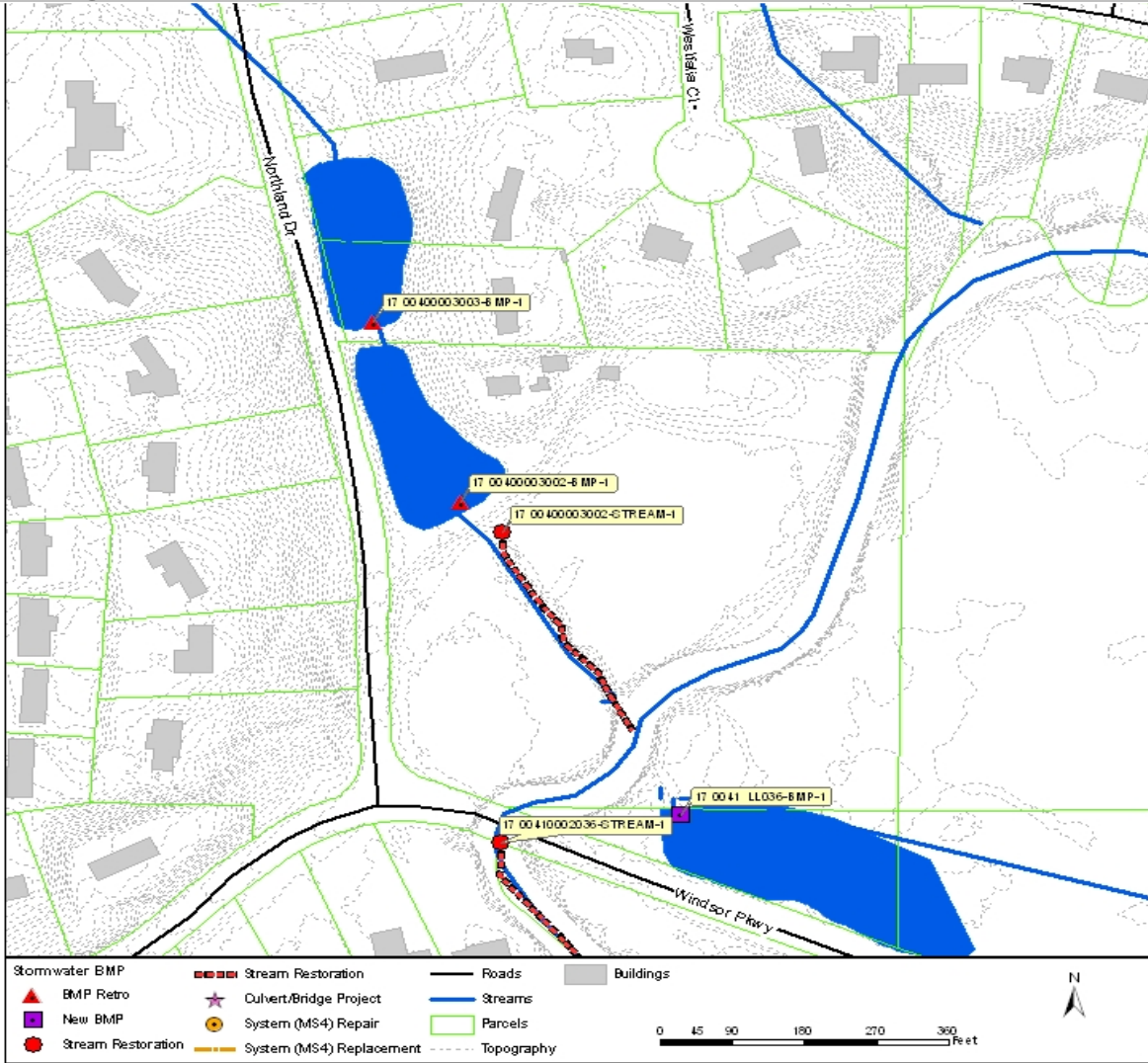


Figure 2 Plan View of Project with Topography

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	WQ Volume:	N/A	ft ³
	Combination Fair	CP Volume:	N/A	ft ³
		25-Year Volume:	N/A	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	339	ft
TMDL Stream (Biota):	Y	Stream Order:	1	
Drainage Area:	103.3 acres	Bank Stability (% exposed):	75-100% LB	75-100% RB
FEMA Flood Hazard Zone:	AE, AE-FLOODWAY	Bank Height:	9ft LB	9ft RB
Max Flood Depth Over Road:	N/A ft	Existing Risk:	16	
Flood Width Over Road:	N/A ft	Proposed Risk:	4	
Structure Type:	N/A	Change in Risk:	12	
Pipe Size:	N/A ft	Benefit/Cost:	2.92	
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
Estimated Cost: \$1,184,000

Address: 4875 Northland Dr Ne

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

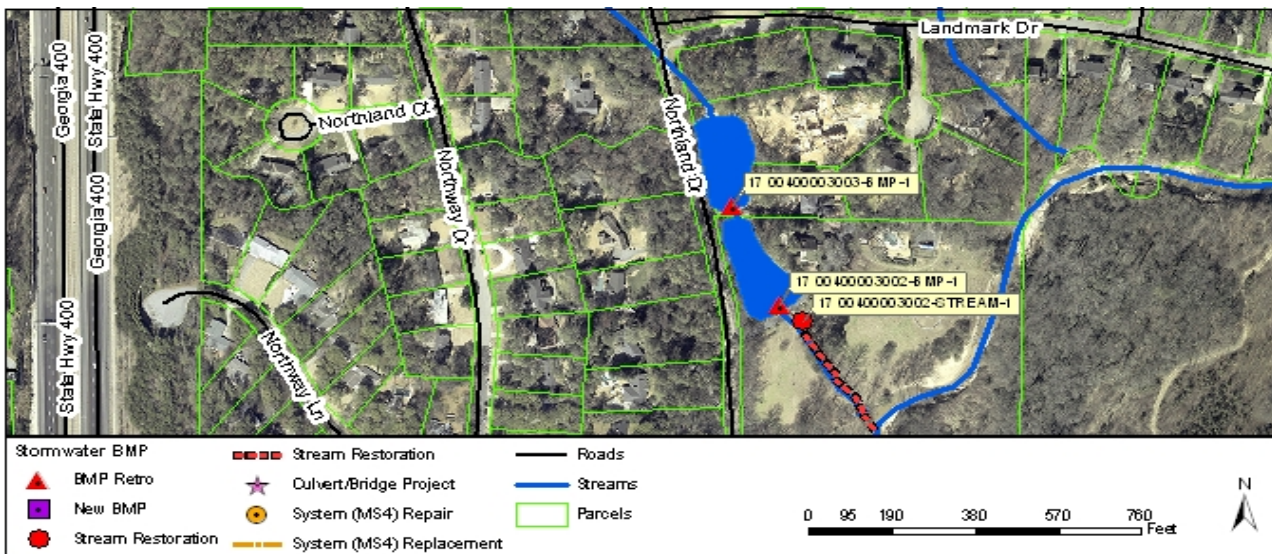


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00400003003-BMP-1
 Asset Number: AGM_02488

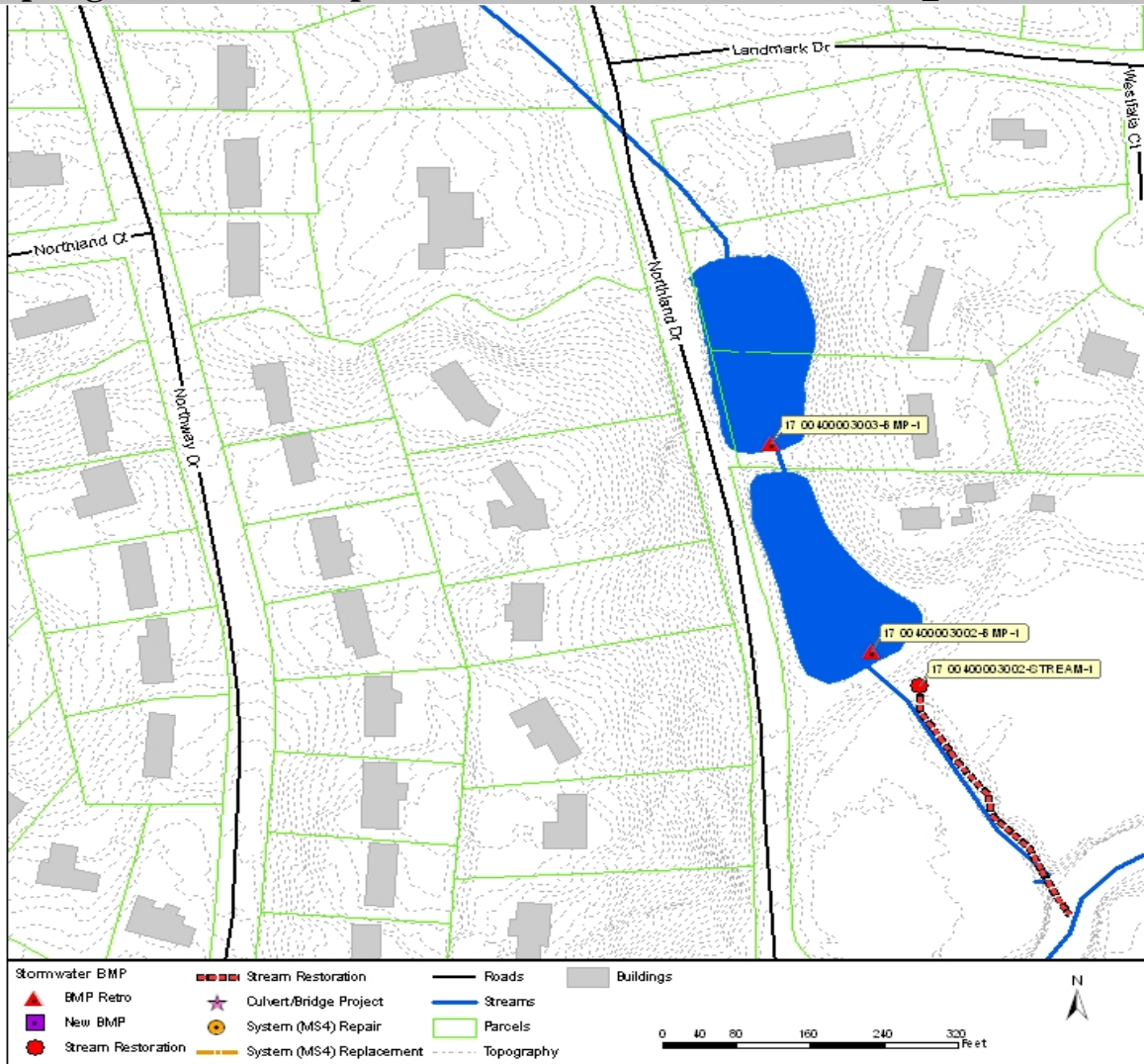


Figure 2 Plan View of Project with Topography

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
 Estimated Cost: \$1,305,000

Address: 845 Windsor Pky Ne
 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

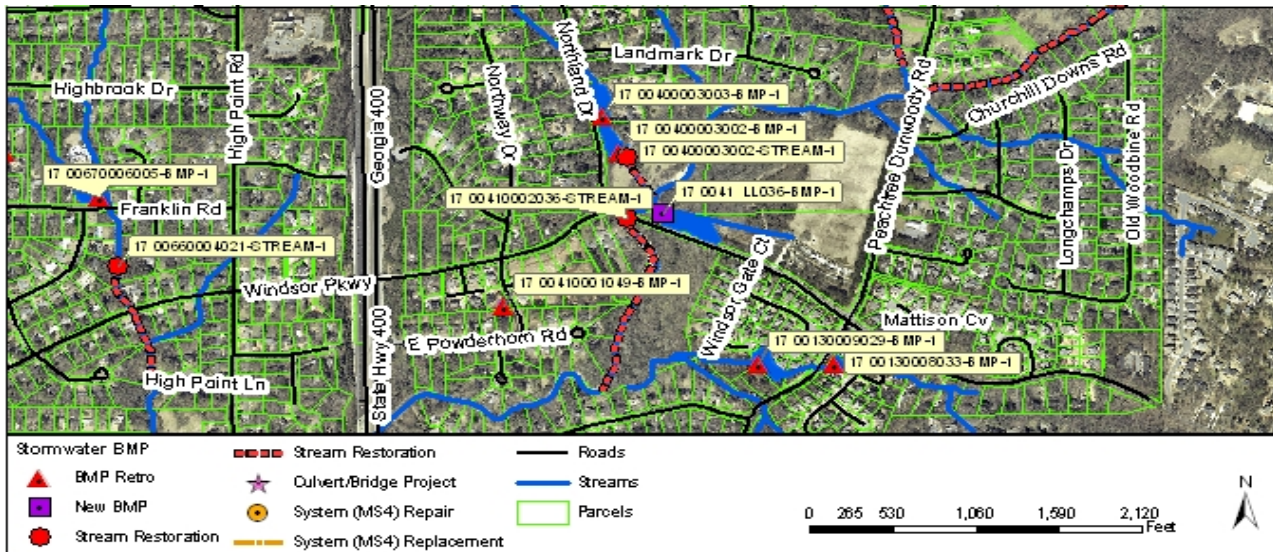


Figure 1 Plan View of Project with Aerial Photography



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; Water; Woods - Grass Combination Fair	WQ Volume:	N/A	ft ³
		CP Volume:	N/A	ft ³
		25-Year Volume:	N/A	ft ³
TMDL Stream(FecalColiform):	Y	Stream Project Length:	1,400	ft
TMDL Stream (Biota):	Y	Stream Order:	4	
Drainage Area:	7,132.1 acres	Bank Stability (% exposed):	25-50% LB	0-25% RB
FEMA Flood Hazard Zone:	AE-FLOODWAY	Bank Height:	12ft LB	12ft RB
Max Flood Depth Over Road:	N/A ft	Existing Risk:	26	
Flood Width Over Road:	N/A ft	Proposed Risk:	12	
Structure Type:	N/A	Change in Risk:	14	
Pipe Size:	N/A ft	Benefit/Cost:	1.95	
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
Estimated Cost: \$674,000

Address: 4632 Dalmer Rd Ne
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
TMDL Stream(FecalColiform):	Y	Stream Project Length:	592	ft
TMDL Stream (Biota):	Y	Stream Order:	1	
Drainage Area:	118.8 acres	Bank Stability (% exposed):	75-100% LB	75-100% RB
FEMA Flood Hazard Zone:	X500	Bank Height:	4ft LB	5ft RB
Max Flood Depth Over Road:	N/A ft	Existing Risk:	42	
Flood Width Over Road:	N/A ft	Proposed Risk:	16	
Structure Type:	N/A	Change in Risk:	26	
Pipe Size:	N/A ft	Benefit/Cost:	5.29	
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 approximately 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

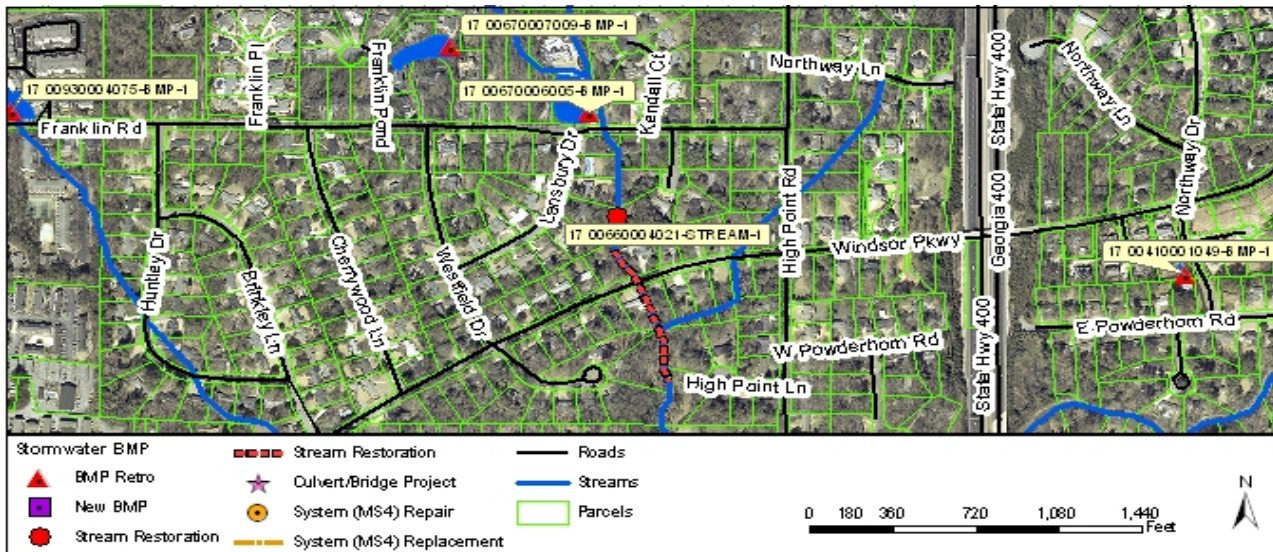


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

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



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; Residential - 1/3 acre lot size; Streets - Open Ditch/includes ROW	WQ Volume:	N/A	ft ³
TMDL Stream(FecalColiform):	Y	CP Volume:	N/A	ft ³
TMDL Stream (Biota):	Y	25-Year Volume:	N/A	ft ³
Drainage Area:	535.0 acres	Stream Project Length:	889	ft
FEMA Flood Hazard Zone:	X500	Stream Order:	2	
Max Flood Depth Over Road:	N/A ft	Bank Stability (% exposed):	75-100% LB	75-100% RB
Flood Width Over Road:	N/A ft	Bank Height:	7ft LB	7ft RB
Structure Type:	N/A	Existing Risk:	49	
Pipe Size:	N/A ft	Proposed Risk:	22	
Structure/Pipe Age:	N/A	Change in Risk:	28	
Structure/Pipe Conditions:	N/A	Benefit/Cost:	4.60	

Project Description & Evaluation

Sandy Springs Watershed Improvement Plan

Project ID: 17 00660006039-STREAM-1

Asset Number: AGM_00848, AGM_00195

Benefit/Cost: 5.61
Estimated Cost: \$312,000

Address: 4630 High Point Rd
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

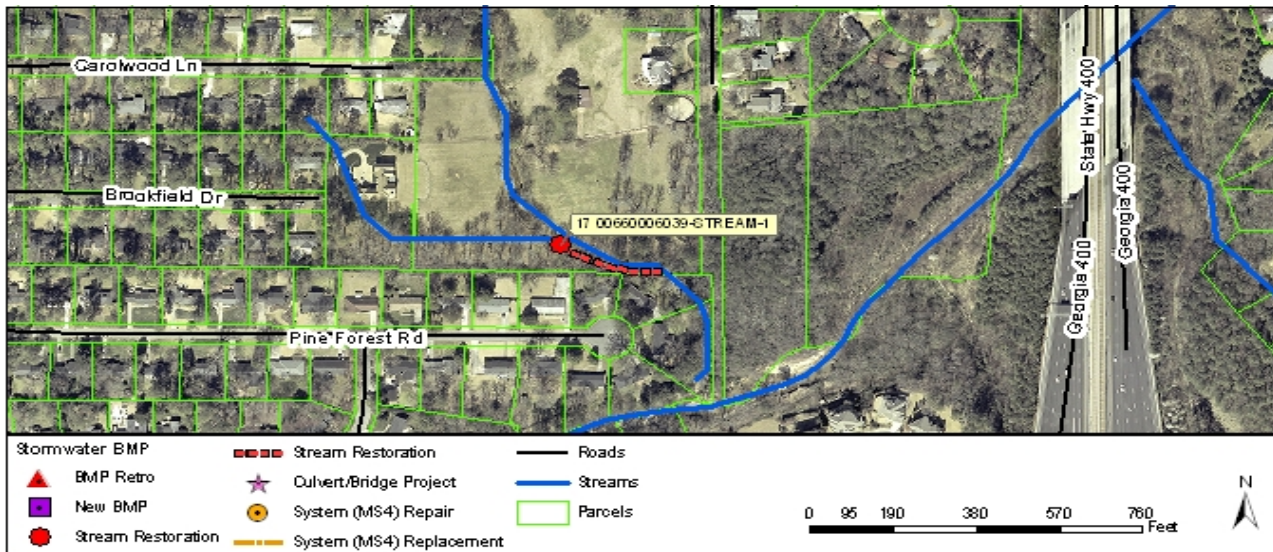


Figure 1 Plan View of Project with Aerial Photography

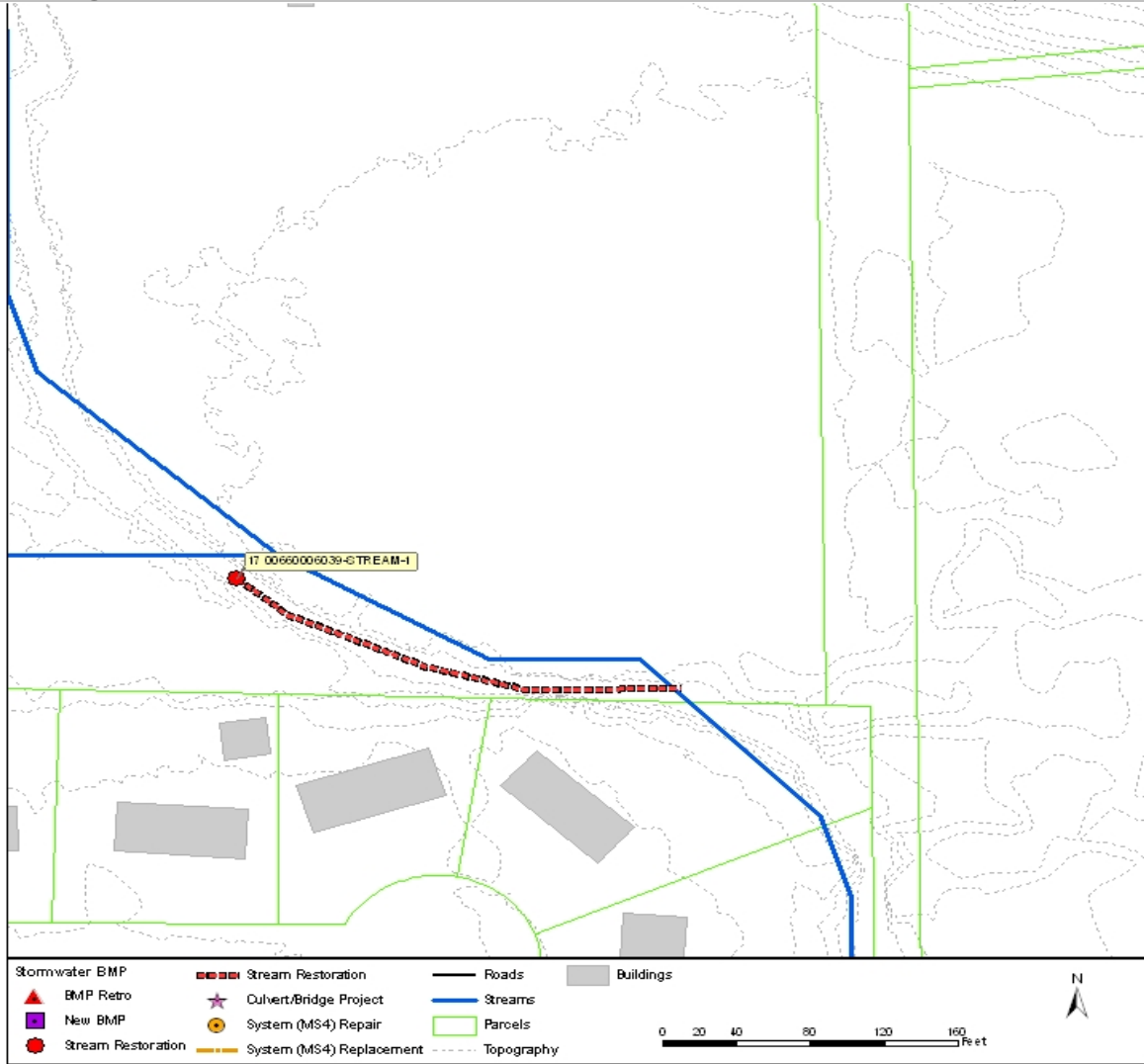


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$242,000

Address: 370 Forest Hills Dr
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

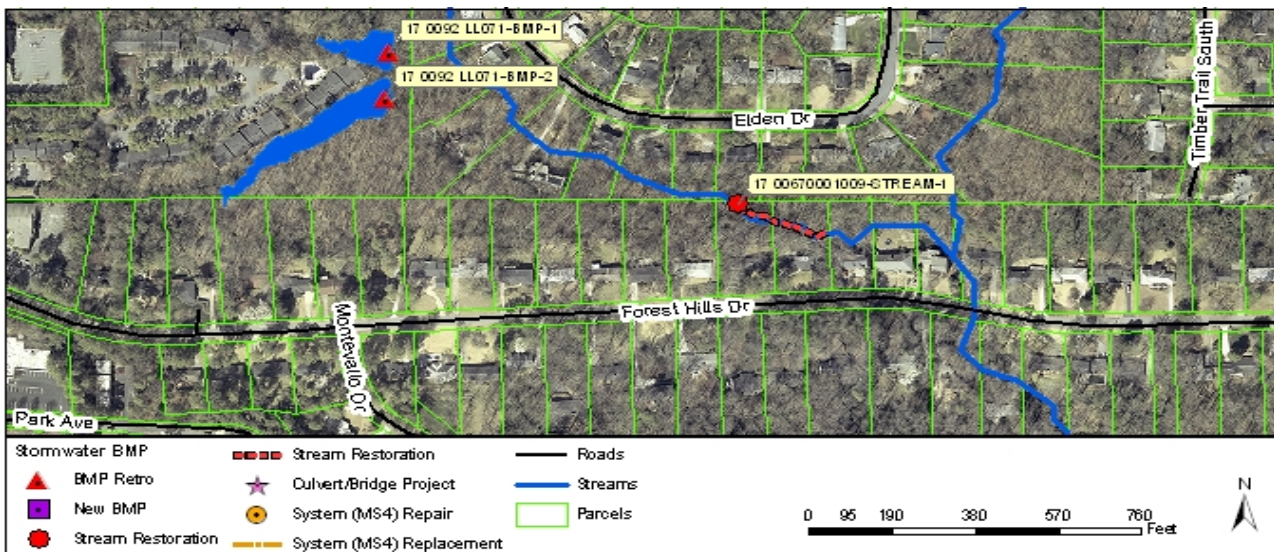


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

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

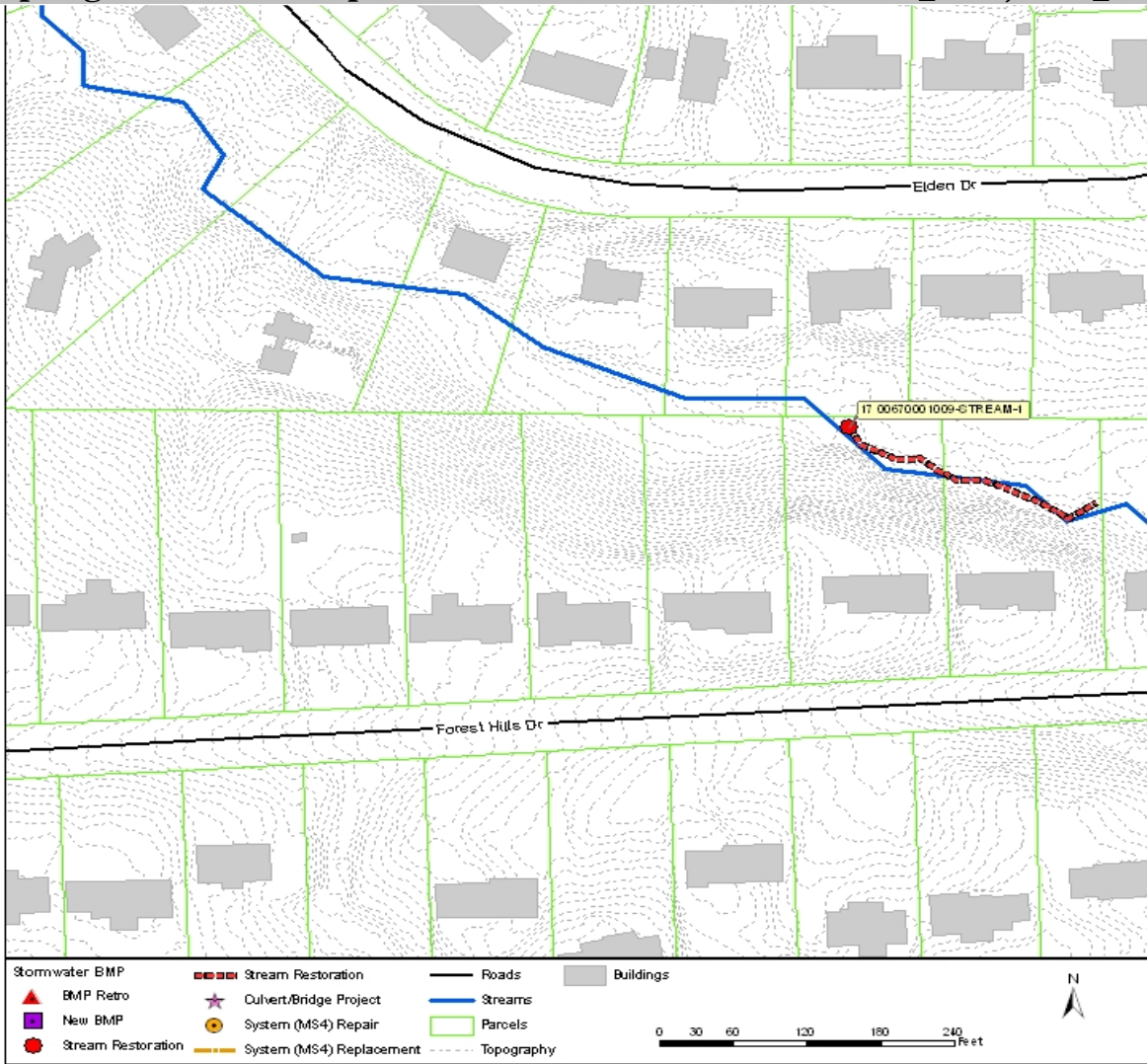


Figure 2 Plan View of Project with Topography

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
TMDL Stream(FecalColiform):	Y	Stream Project Length:	235	ft
TMDL Stream (Biota):	Y	Stream Order:	1	
Drainage Area:	109.2 acres	Bank Stability (% exposed):	25-50% LB	50-75% RB
FEMA Flood Hazard Zone:	X500	Bank Height:	4ft LB	2ft RB
Max Flood Depth Over Road:	N/A ft	Existing Risk:	18	
Flood Width Over Road:	N/A ft	Proposed Risk:	13	
Structure Type:	N/A	Change in Risk:	5	
Pipe Size:	N/A ft	Benefit/Cost:	1.67	
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
Estimated Cost: \$313,000

Address: 465 Forestdale Drive NE

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 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

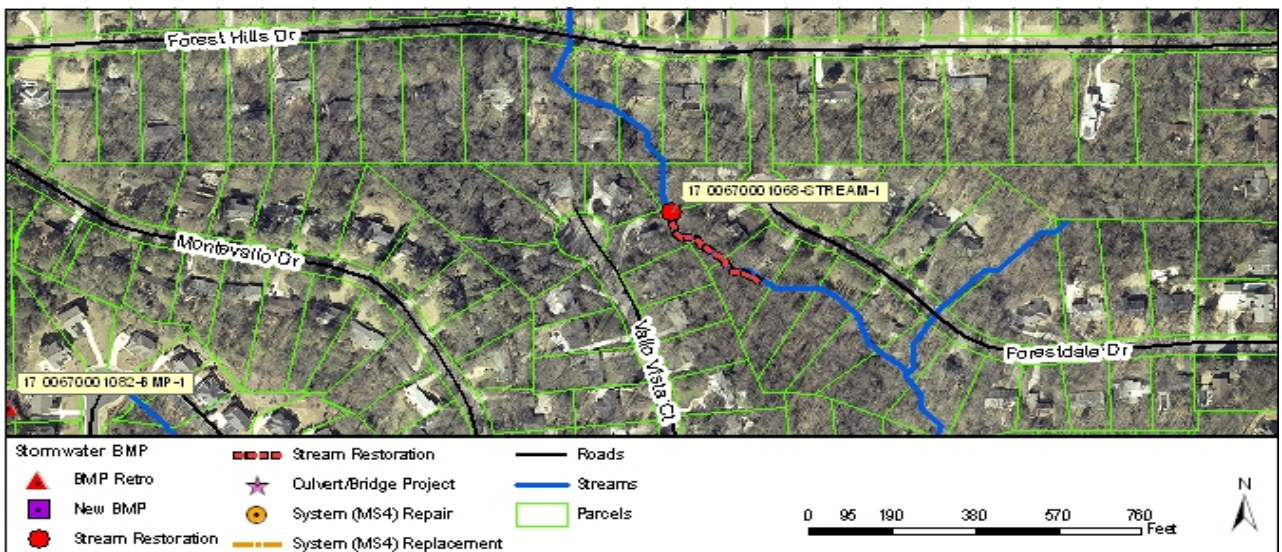


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00670001068-STREAM-1
 Asset Number: AGM_01905, AGM_01997

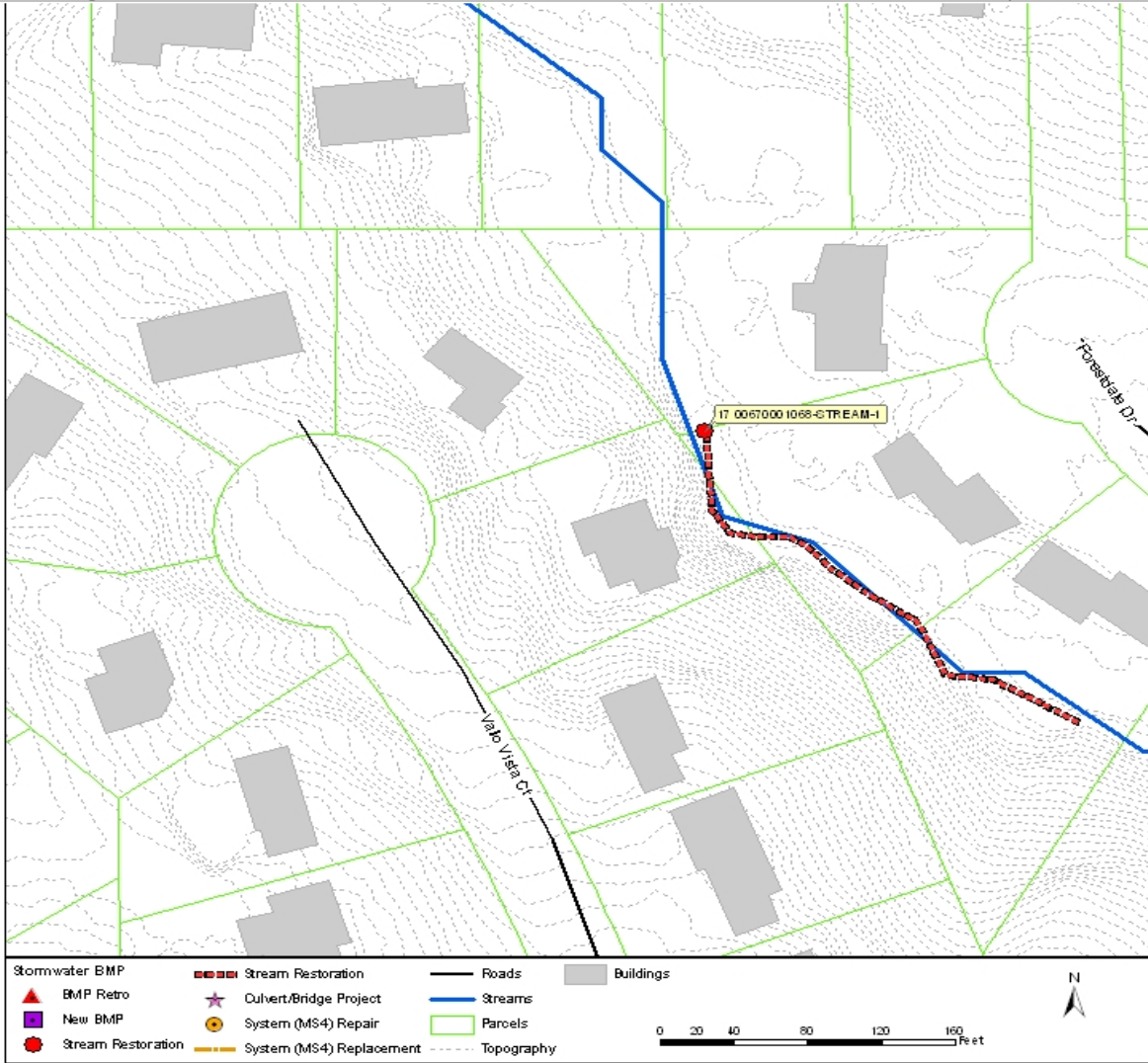


Figure 2 Plan View of Project with Topography

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
TMDL Stream(FecalColiform):	Y	Stream Project Length:	305	ft
TMDL Stream (Biota):	Y	Stream Order:	2	
Drainage Area:	310.7 acres	Bank Stability (% exposed):	50-75% LB	50-75% RB
FEMA Flood Hazard Zone:	X500	Bank Height:	10ft LB	10ft RB
Max Flood Depth Over Road:	N/A ft	Existing Risk:	33	
Flood Width Over Road:	N/A ft	Proposed Risk:	17	
Structure Type:	N/A	Change in Risk:	16	
Pipe Size:	N/A ft	Benefit/Cost:	3.90	
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
Estimated Cost: \$146,000

Address: 297 Forest Valley Ct

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

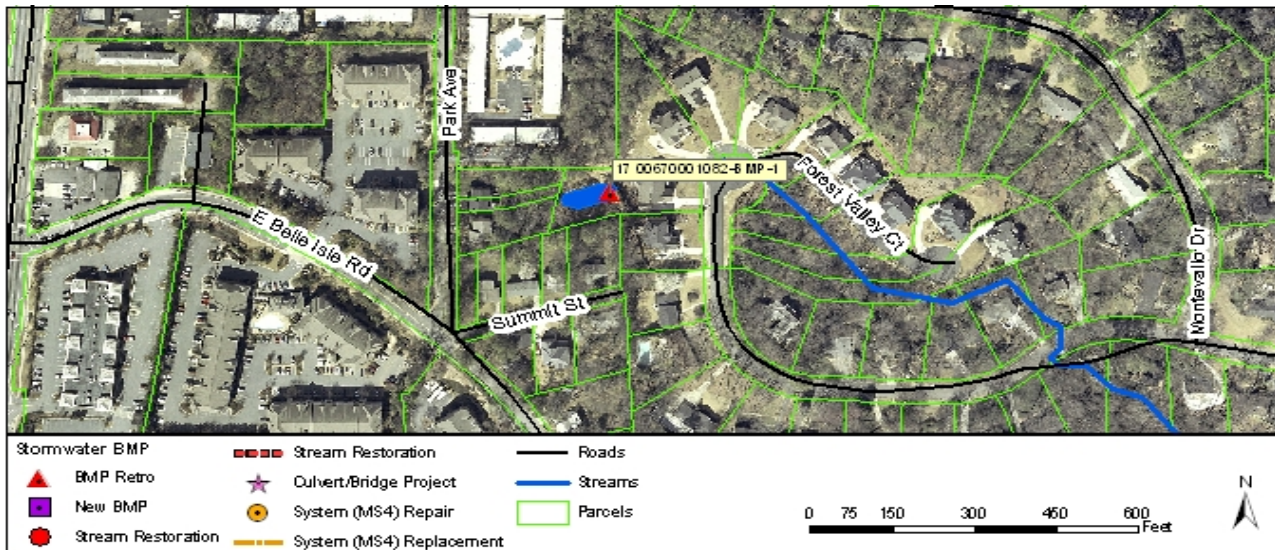


Figure 1 Plan View of Project with Aerial Photography

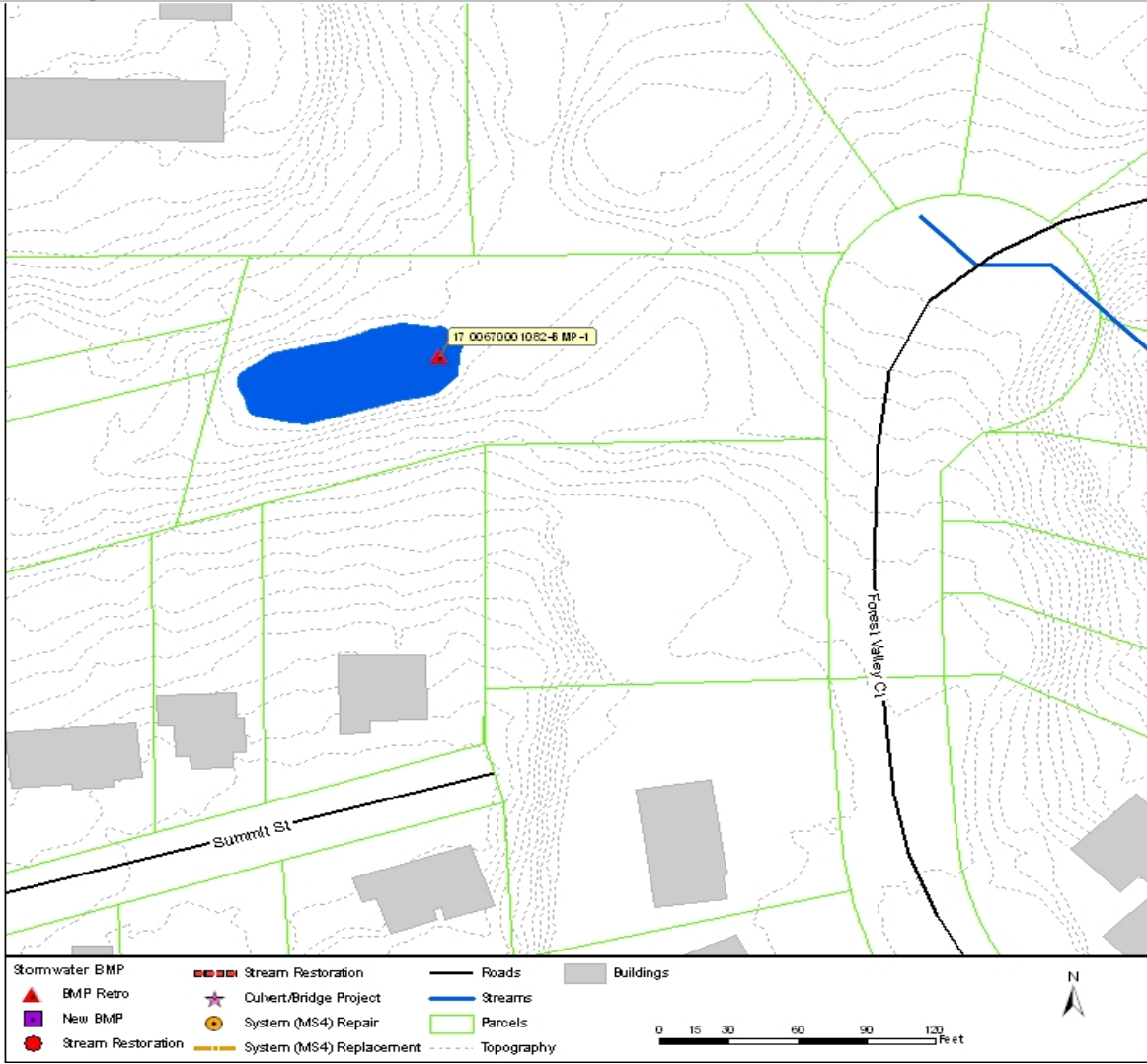


Figure 2 Plan View of Project with Topography

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
 Estimated Cost: \$293,000

Address: 500 Franklin Rd Ne
 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

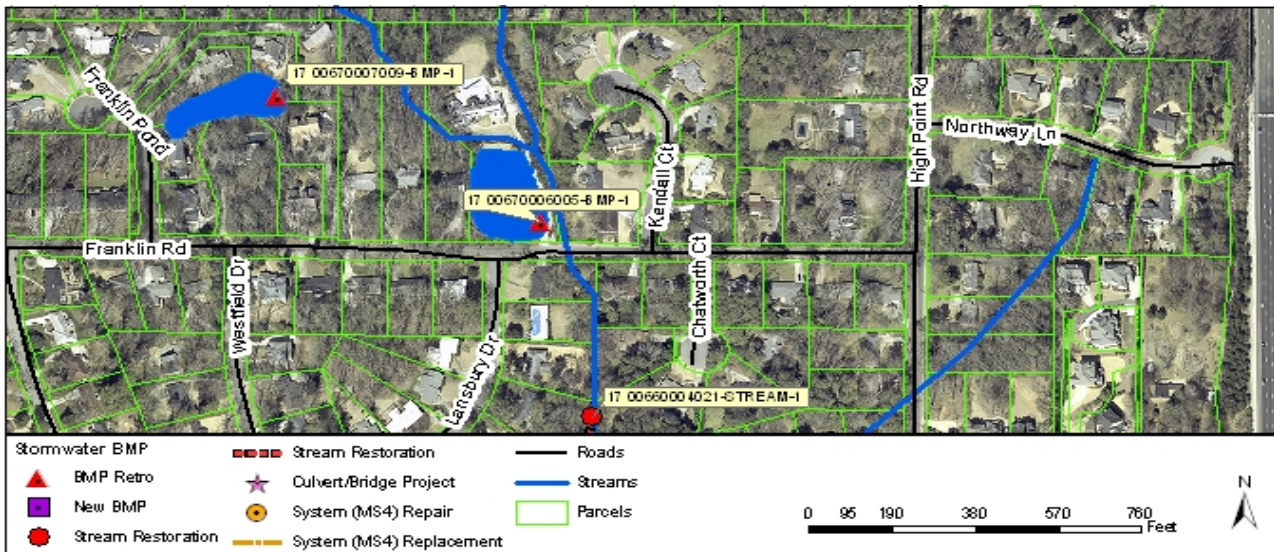


Figure 1 Plan View of Project with Aerial Photography



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
Estimated Cost: \$442,000

Address: 4845 Franklin Pond Rd

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

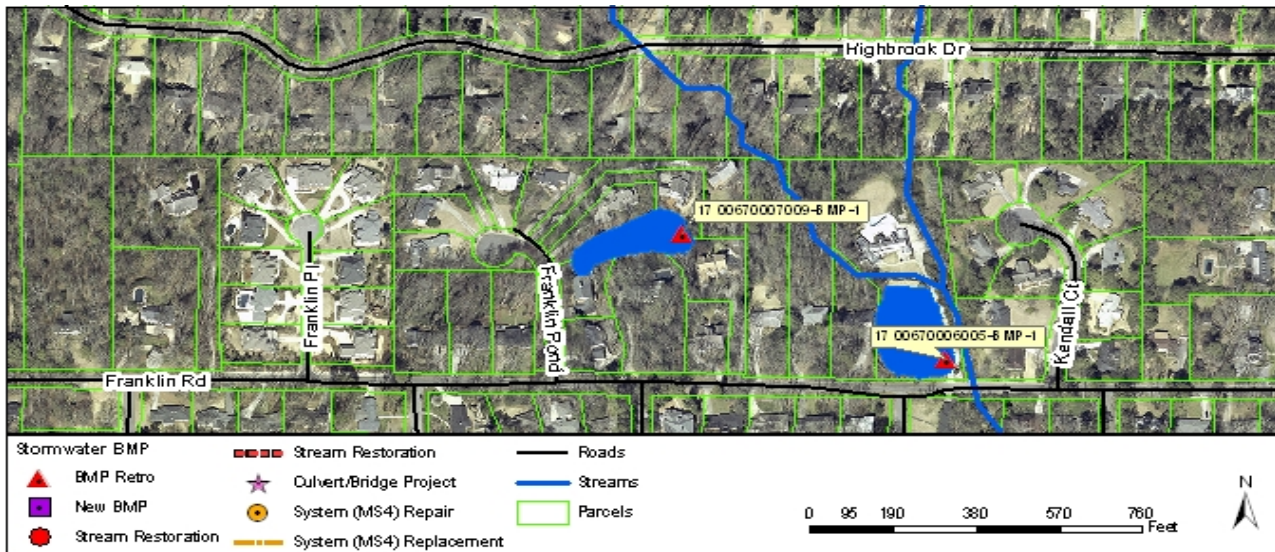


Figure 1 Plan View of Project with Aerial Photography

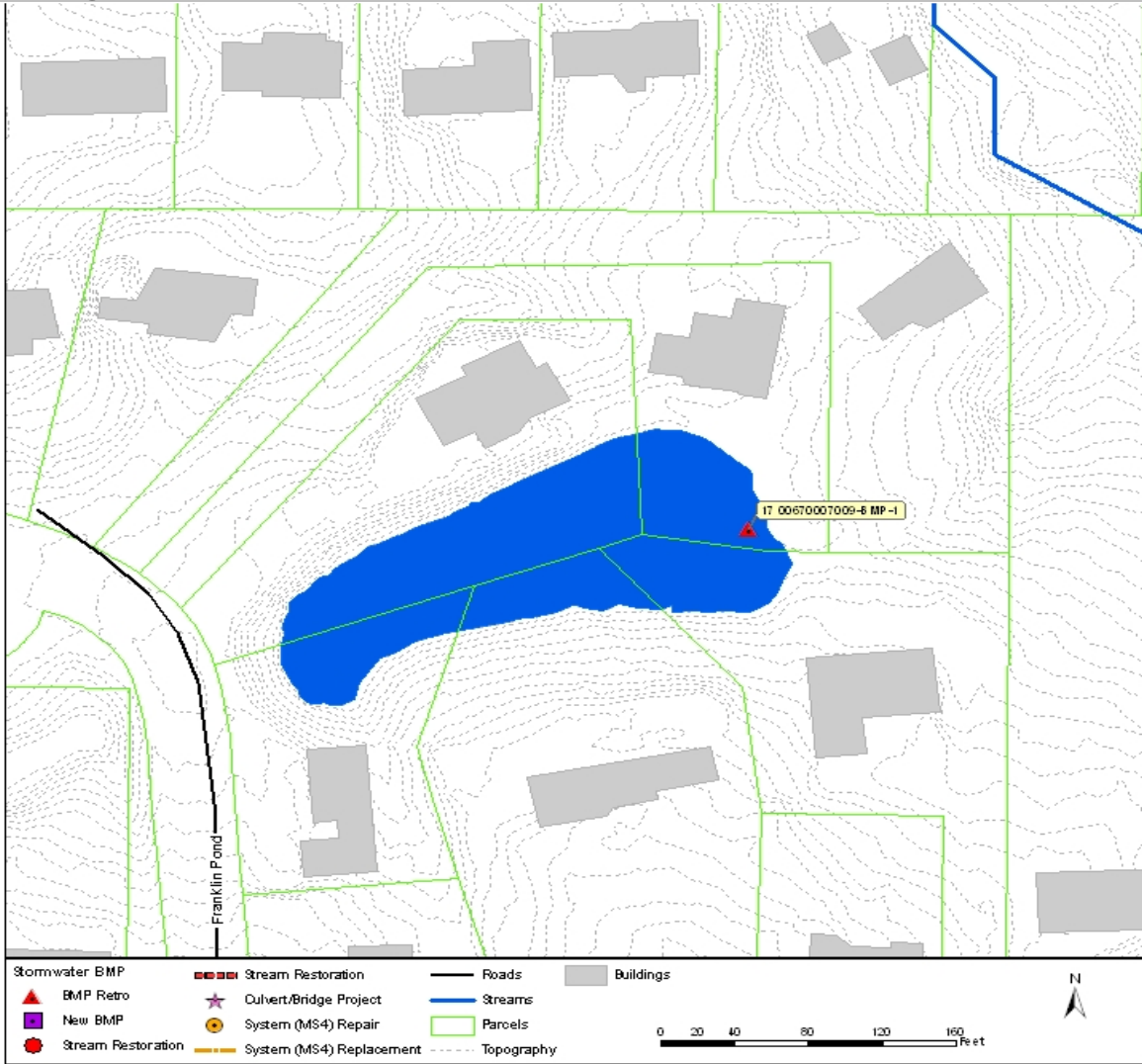


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$436,000

Address: 1 Willow Glen
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 its capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1



Photo 2



Figure 1 Plan View of Project with Aerial Photography

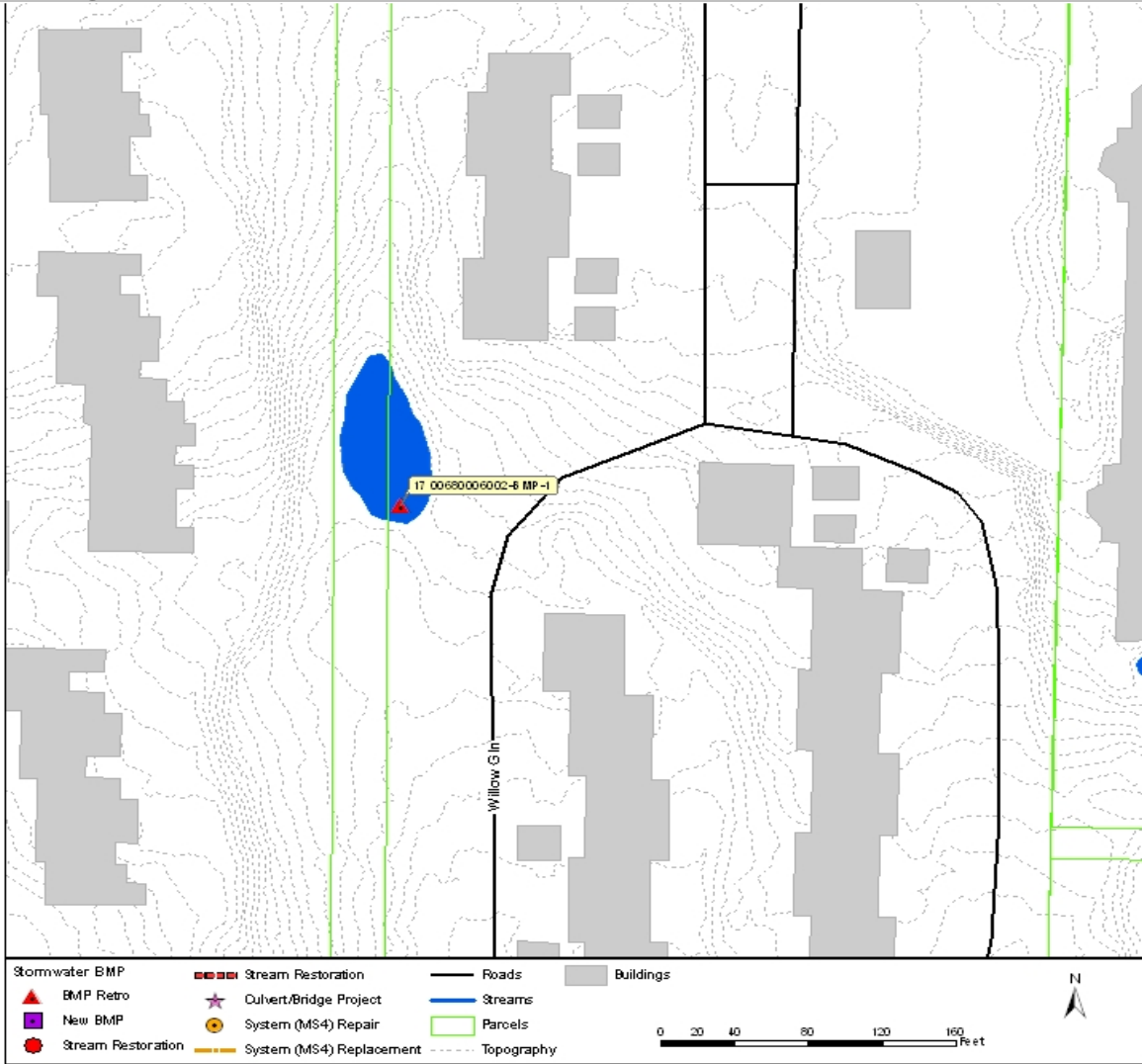


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$350,000

Address: 0 Greenlaurel Dr
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 its capacity. Additional modifications include building a sediment forebay.

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

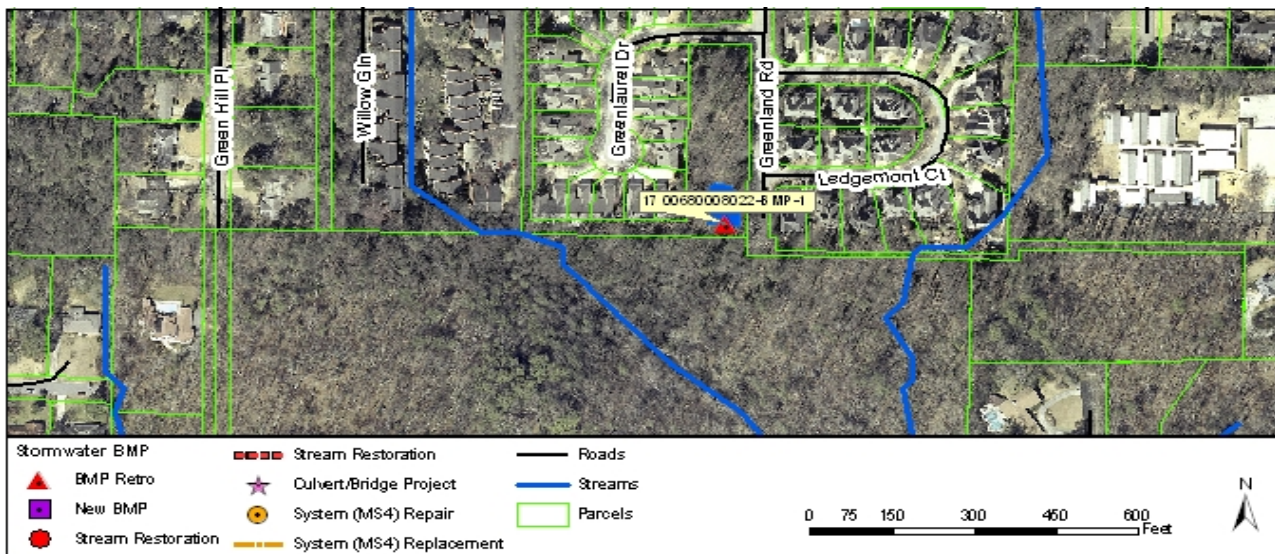


Figure 1 Plan View of Project with Aerial Photography

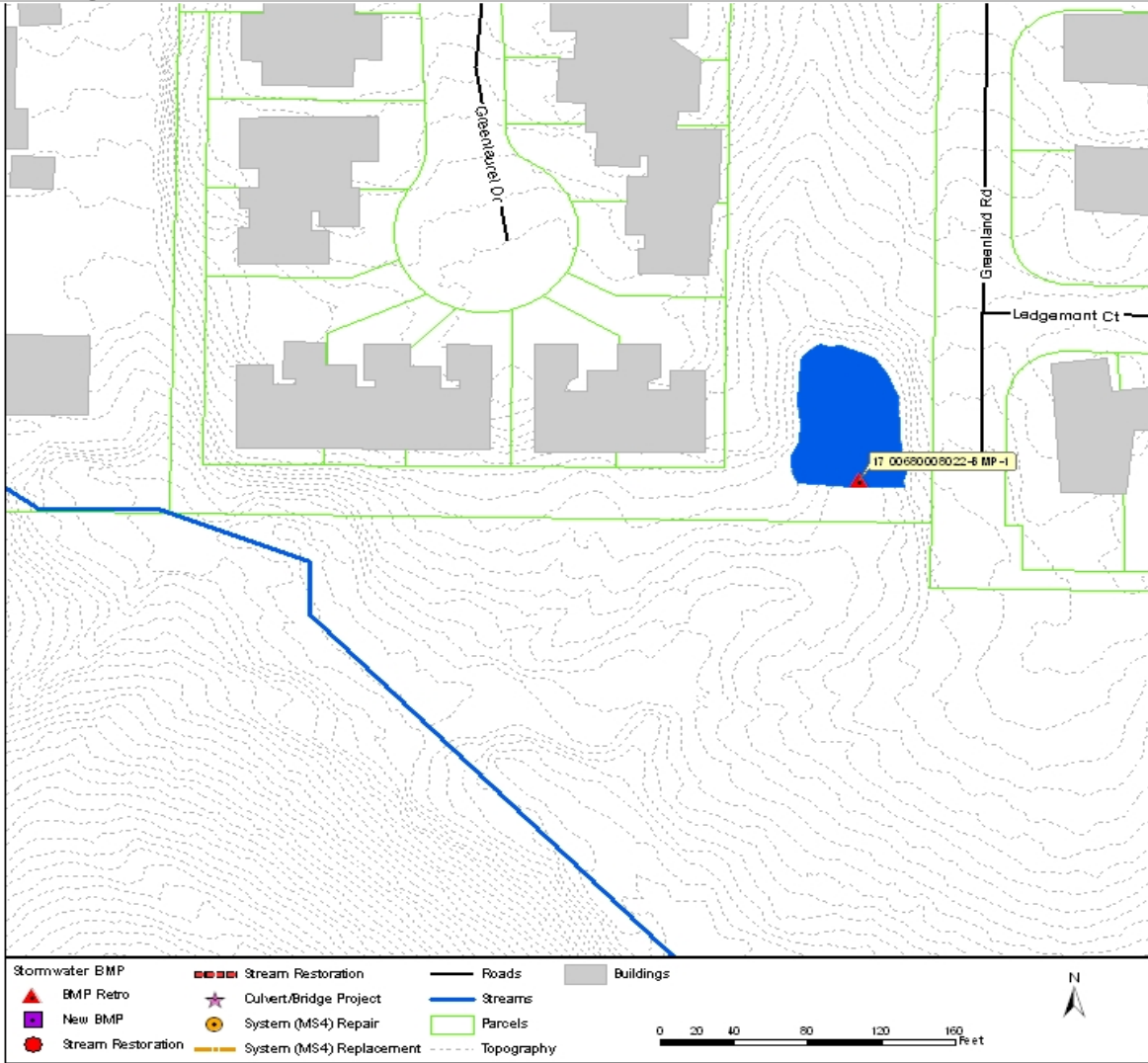


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5	TSS Yield:	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
Estimated Cost: \$311,000

Address: 5501 Glenridge Dr
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

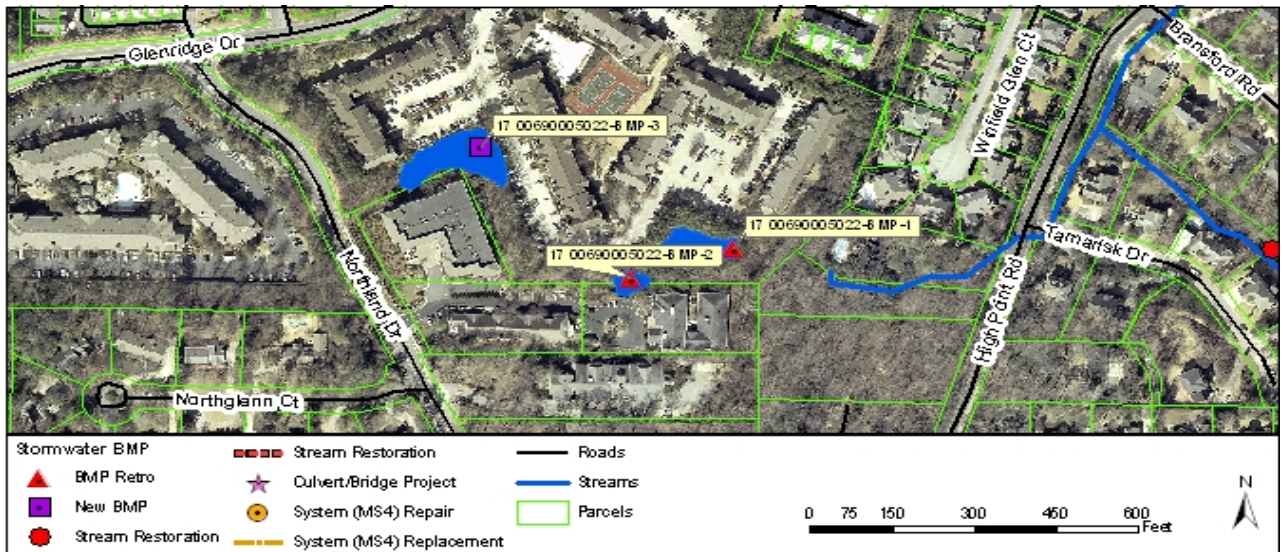


Figure 1 Plan View of Project with Aerial Photography

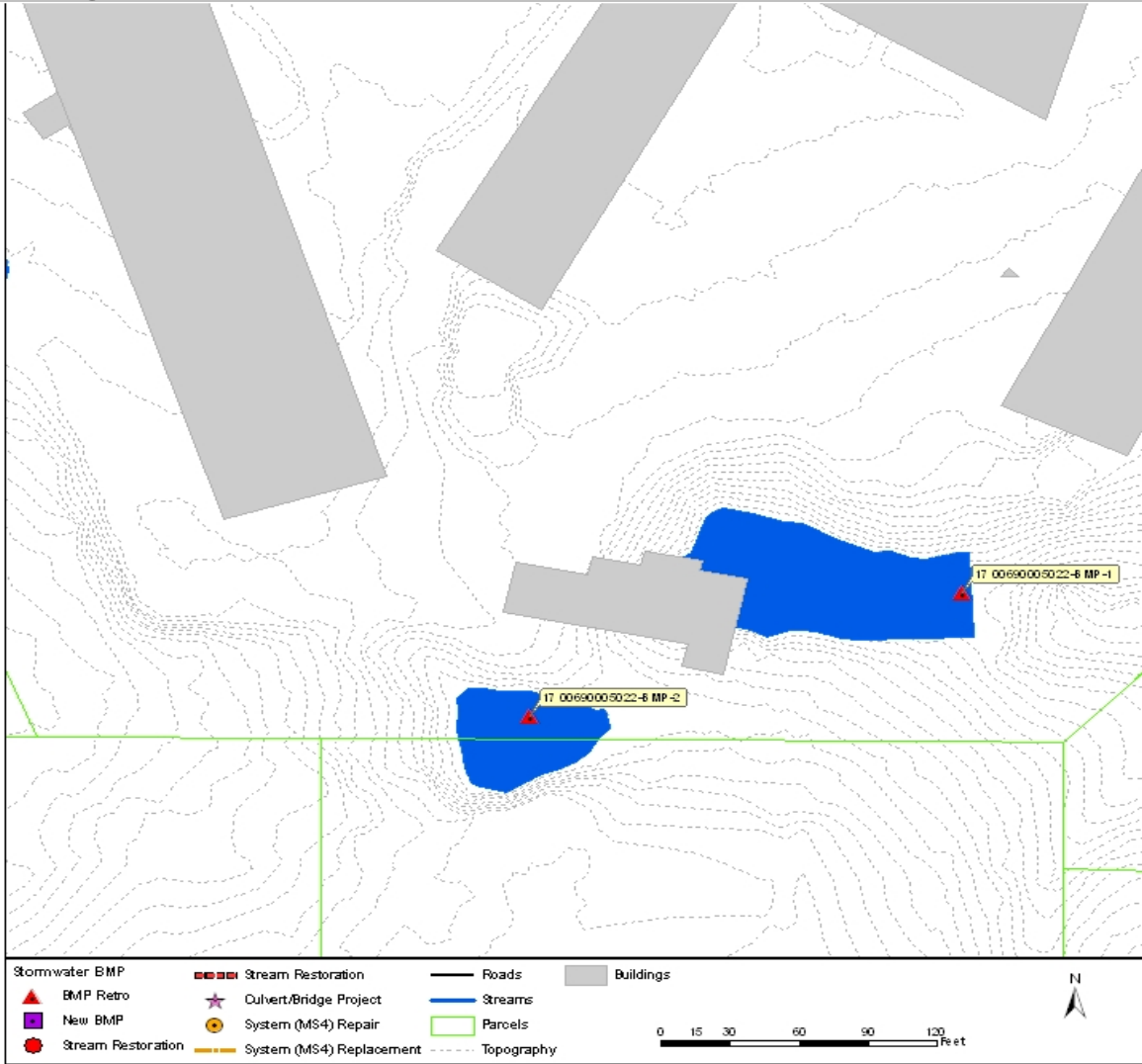


Figure 2 Plan View of Project with Topography

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
 Estimated Cost: \$162,000

Address: 5501 Glenridge Dr
 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

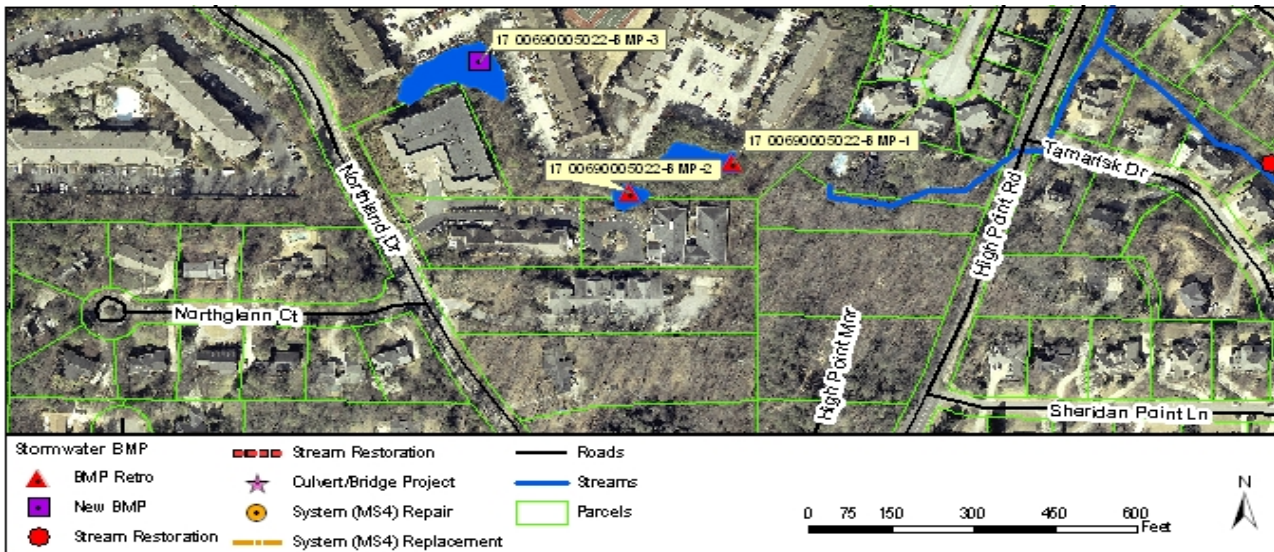


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00690005022-BMP-2
 Asset Number: AGM_02823

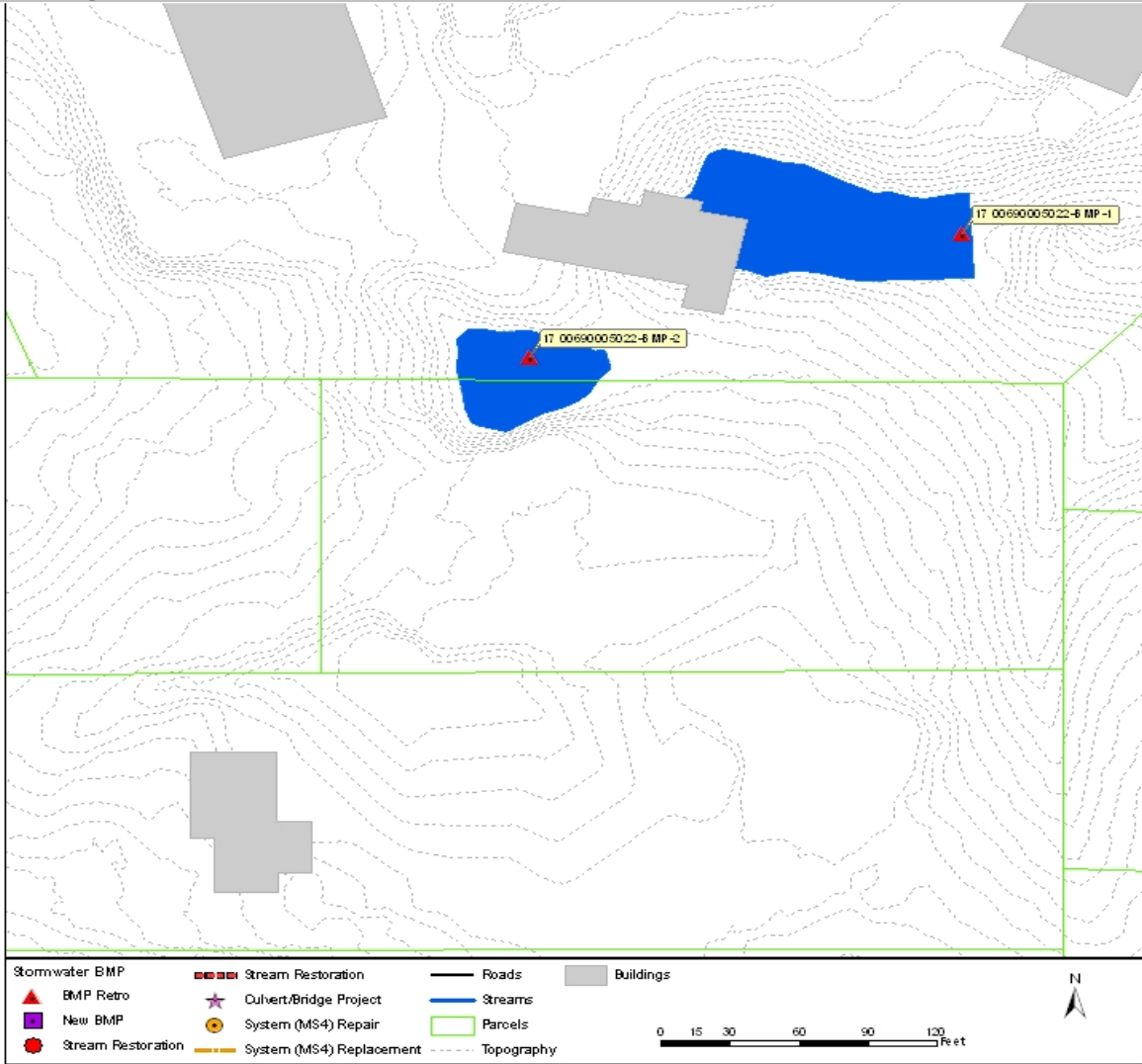


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$366,000

Address: 5501 Glenridge Dr
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

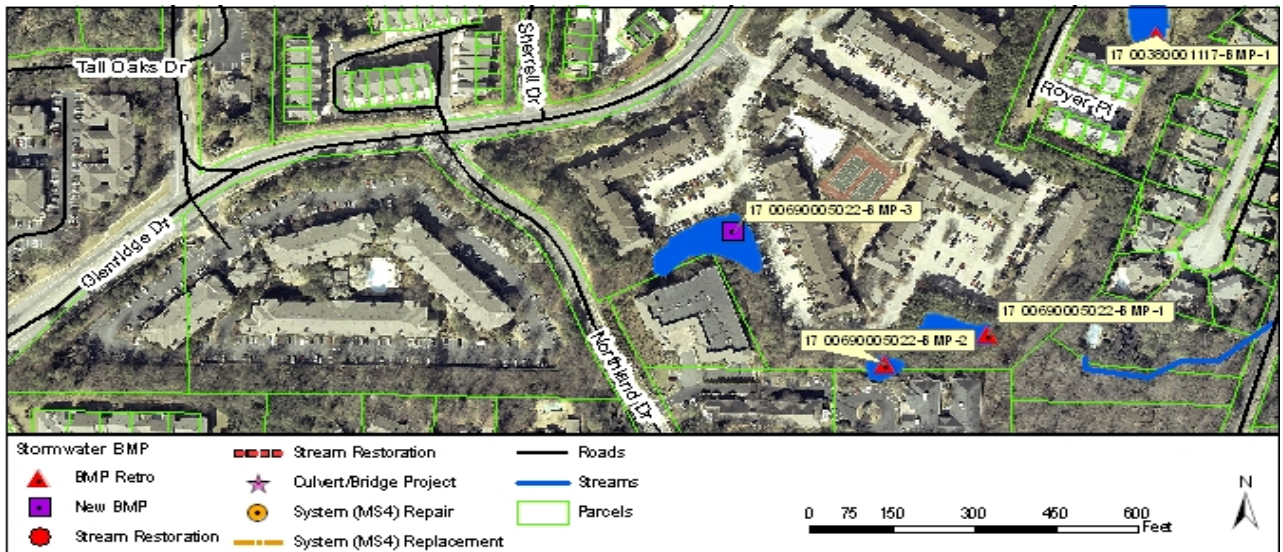


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00690005022-BMP-3
 Asset Number: AGM_02944

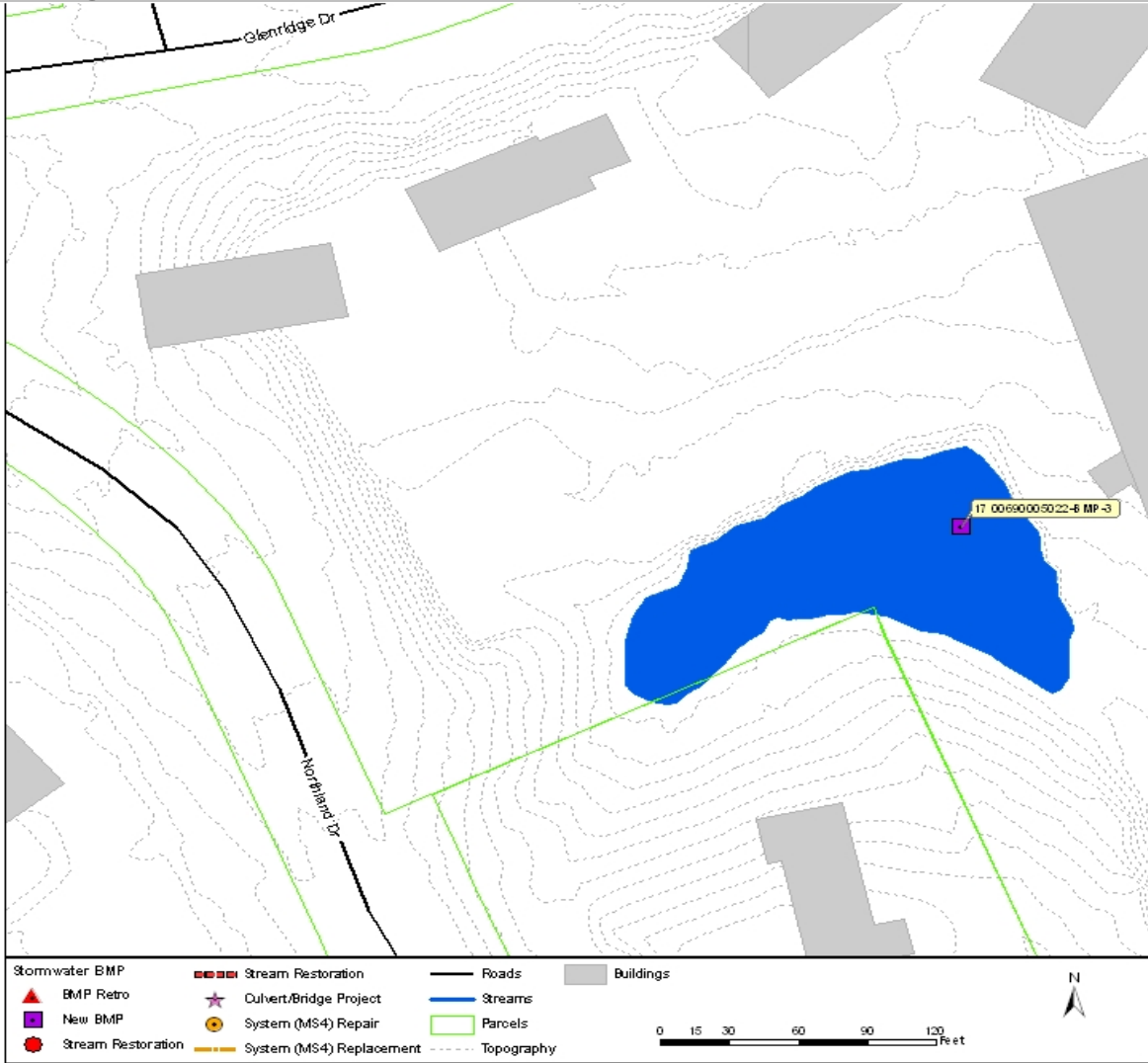


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$357,000

Address: 6440 Glen Oaks Ln

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



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
Estimated Cost: \$338,000

Address: 5188 Roswell Rd
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

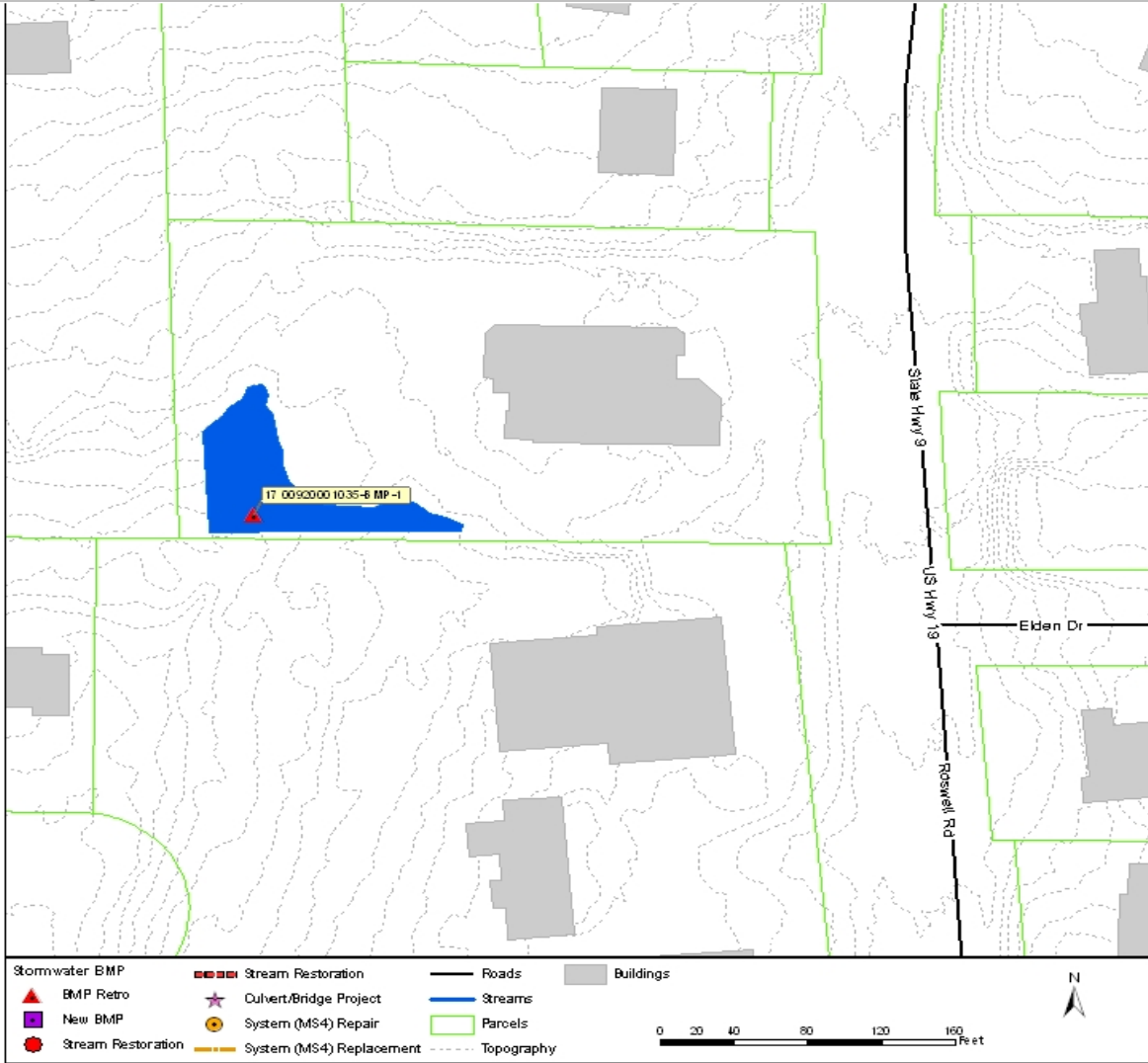


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$219,000

Address: 4967 Roswell Rd Ne
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



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
Estimated Cost: \$473,000

Address: 240 Franklin Rd

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

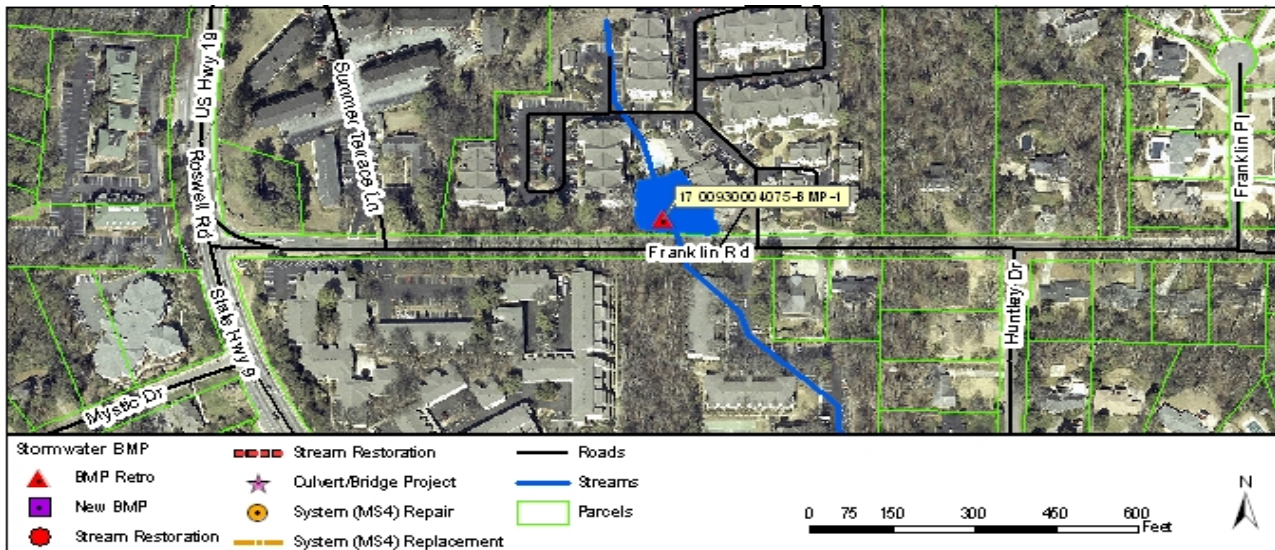


Figure 1 Plan View of Project with Aerial Photography

Project Description & Evaluation
Sandy Springs Watershed Improvement Plan

Project ID: 17 00930004075-BMP-1
 Asset Number: AGM_03093

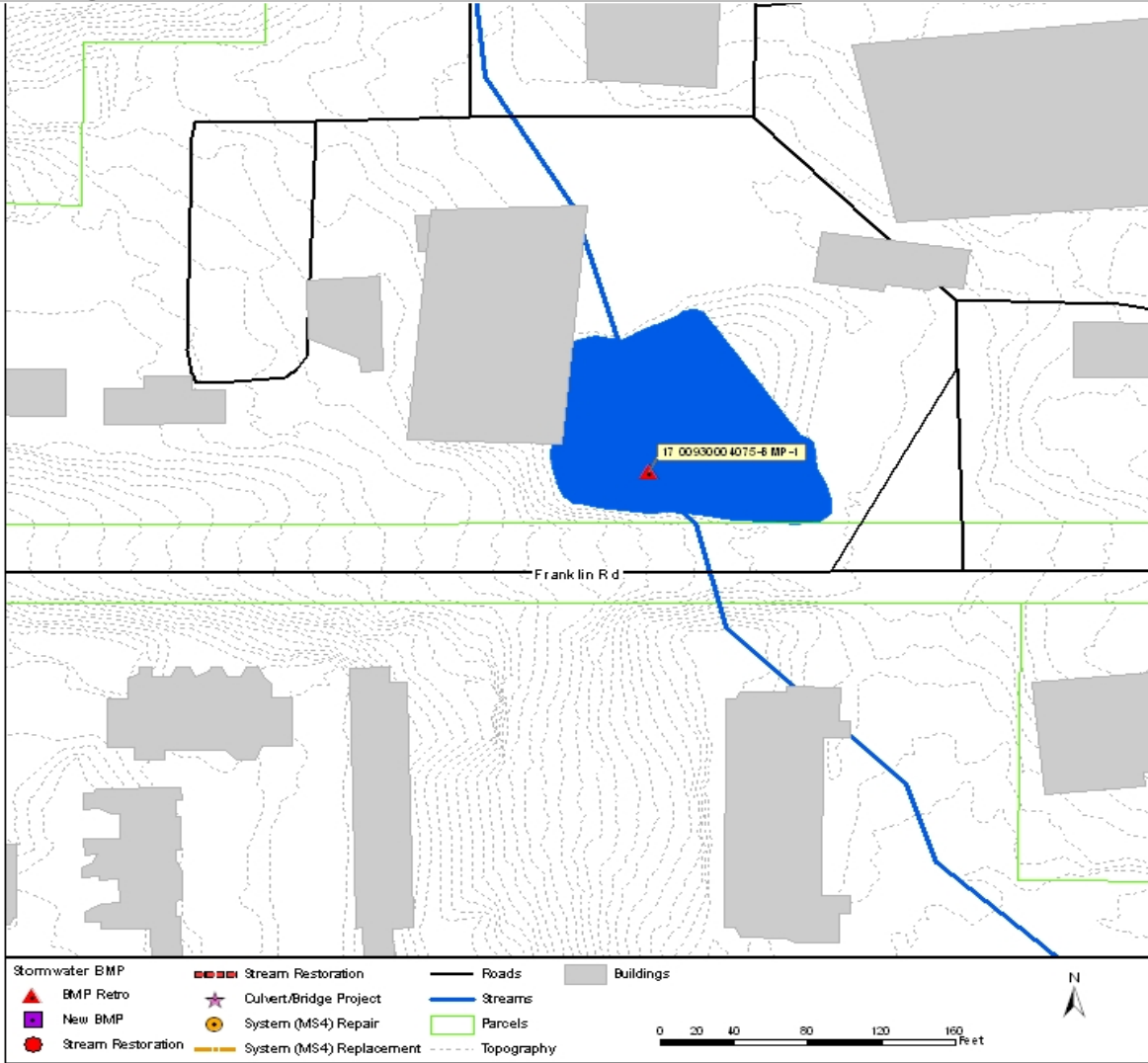


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$234,000

Address: 0 Long Island Dr

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

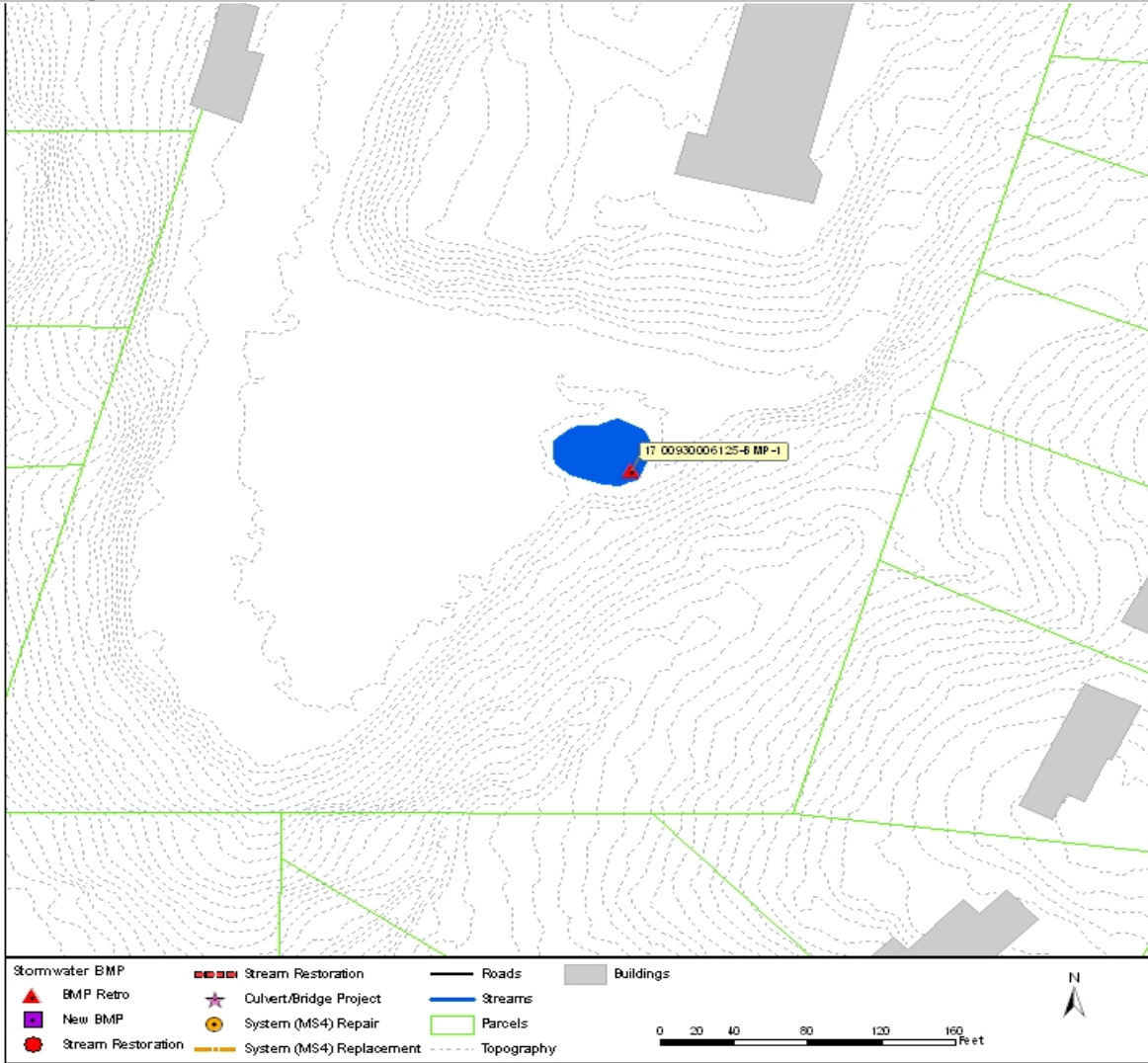


Figure 2 Plan View of Project with Topography

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
Estimated Cost: \$345,000

Address: 4920 Roswell 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 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 its capacity.

Photos and Maps

Photo 1



Photo 2

No photo available

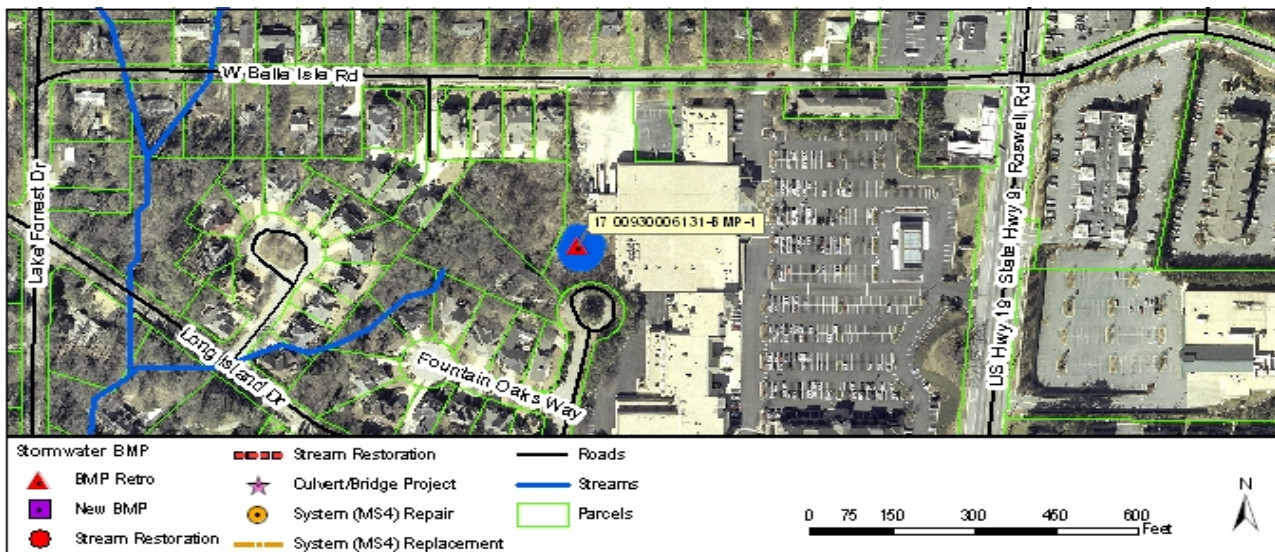


Figure 1 Plan View of Project with Aerial Photography

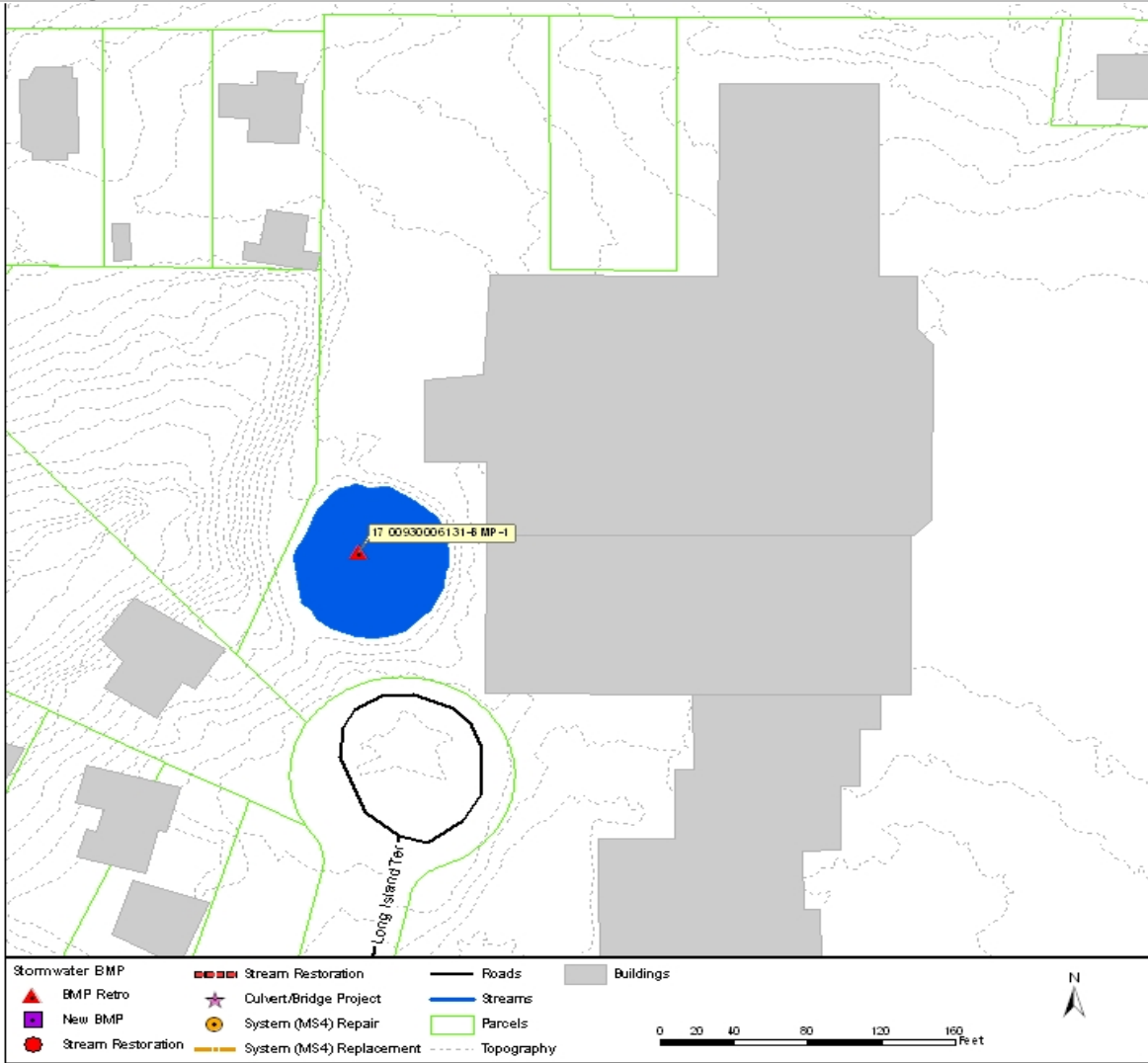


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics

City Council District:	District 5	TSS Yield:	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
Estimated Cost: \$238,000

Address: 4654 Roswell Rd
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
Estimated Cost: \$332,000

Address: 0 Lake Forrest Dr
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

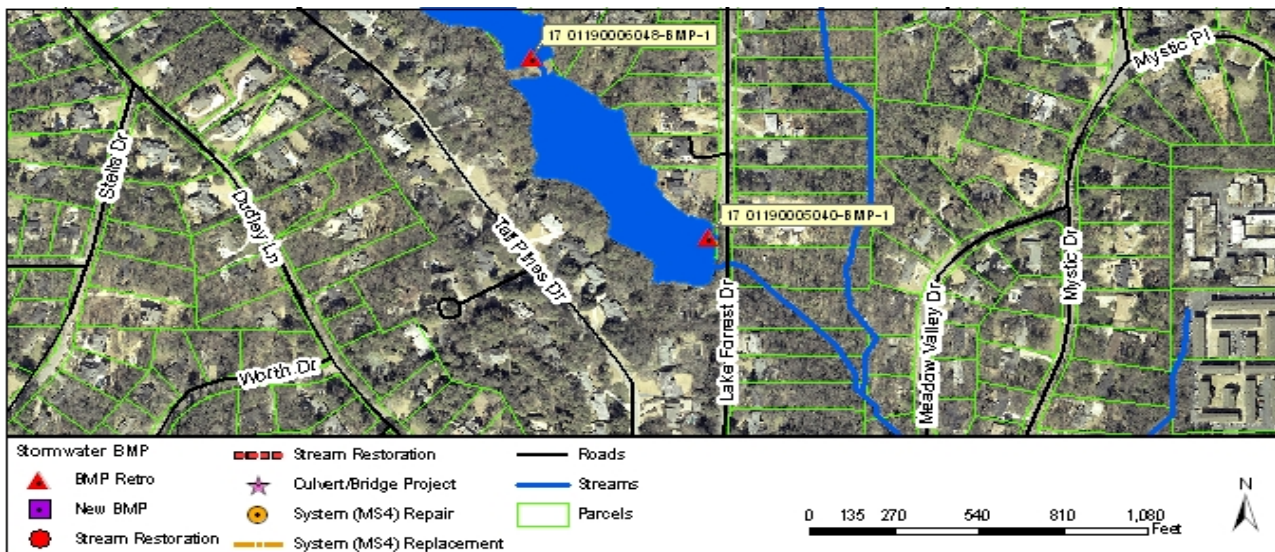


Figure 1 Plan View of Project with Aerial Photography

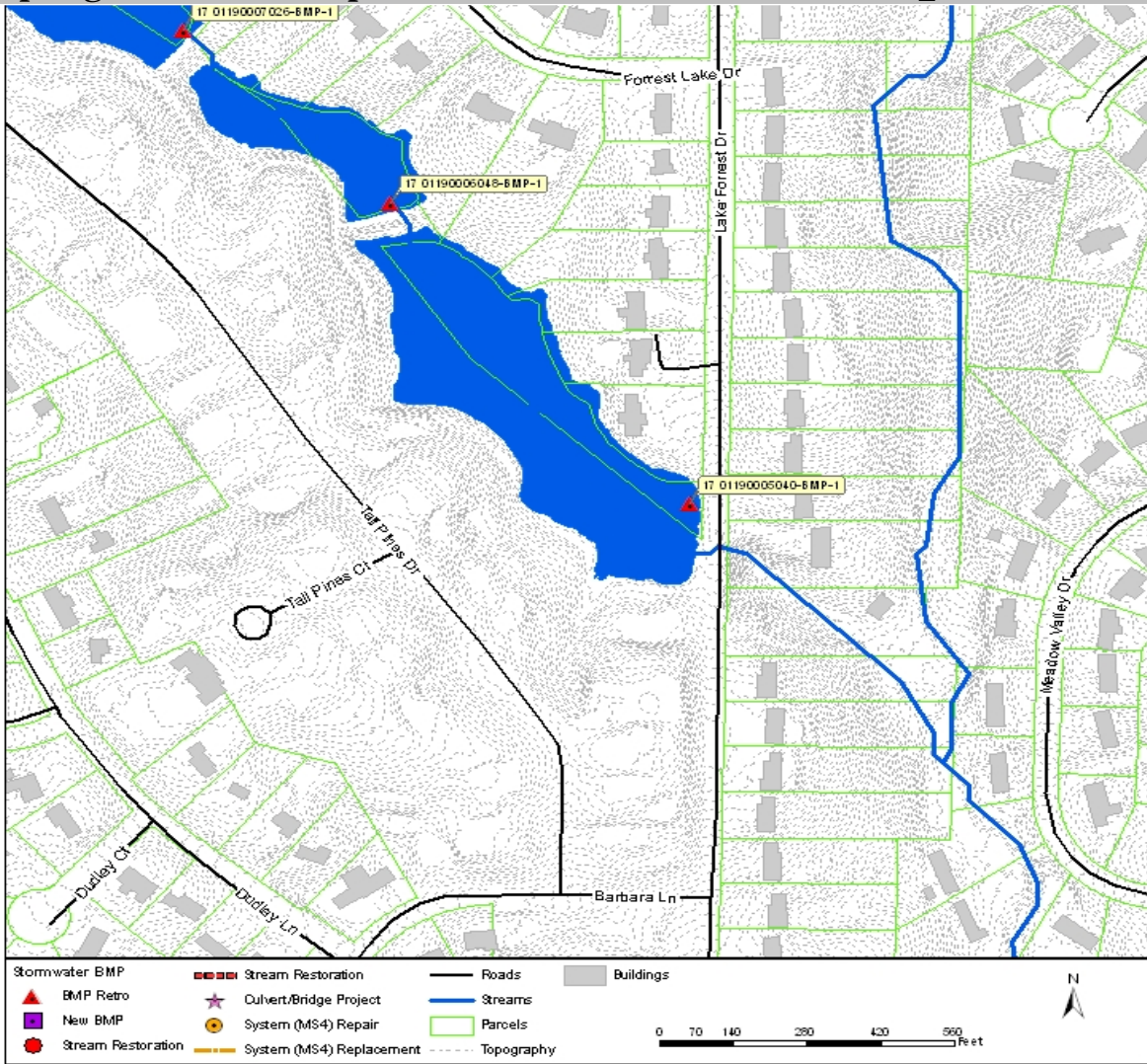


Figure 2 Plan View of Project with Topography

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; Water; Woods - Grass Combination Fair	WQ Volume:	203,565	ft ³
		CP Volume:	671,397	ft ³
		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
Estimated Cost: \$293,000

Address: 0 Tall Pines Dr
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 for larger storm events.

Project Goals

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

Photos and Maps

Photo 1

No photo available

Photo 2

No photo available

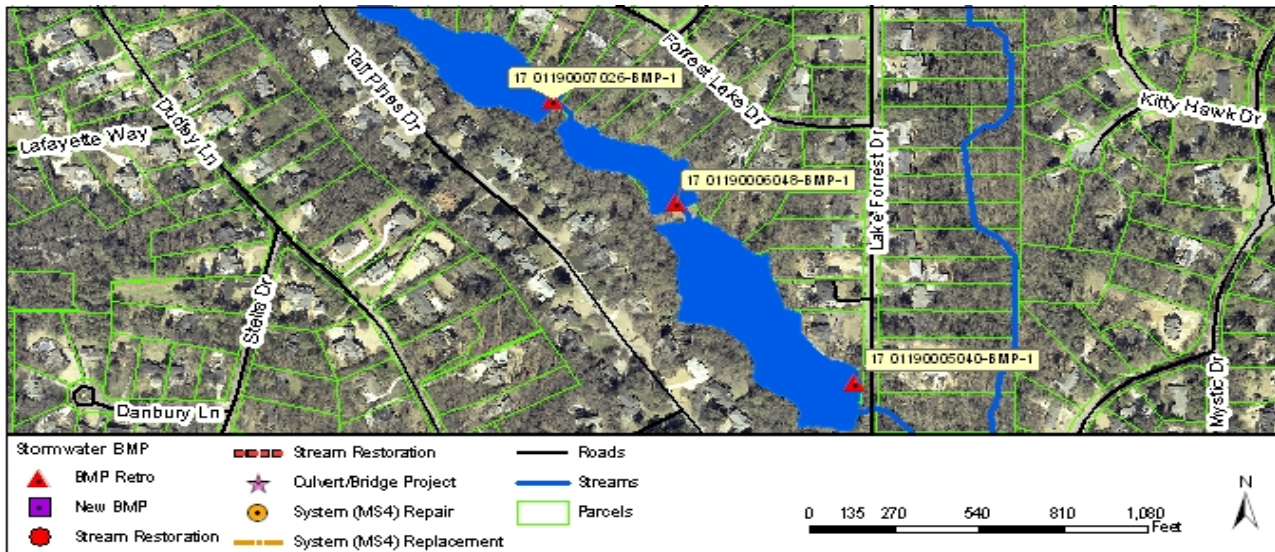


Figure 1 Plan View of Project with Aerial Photography

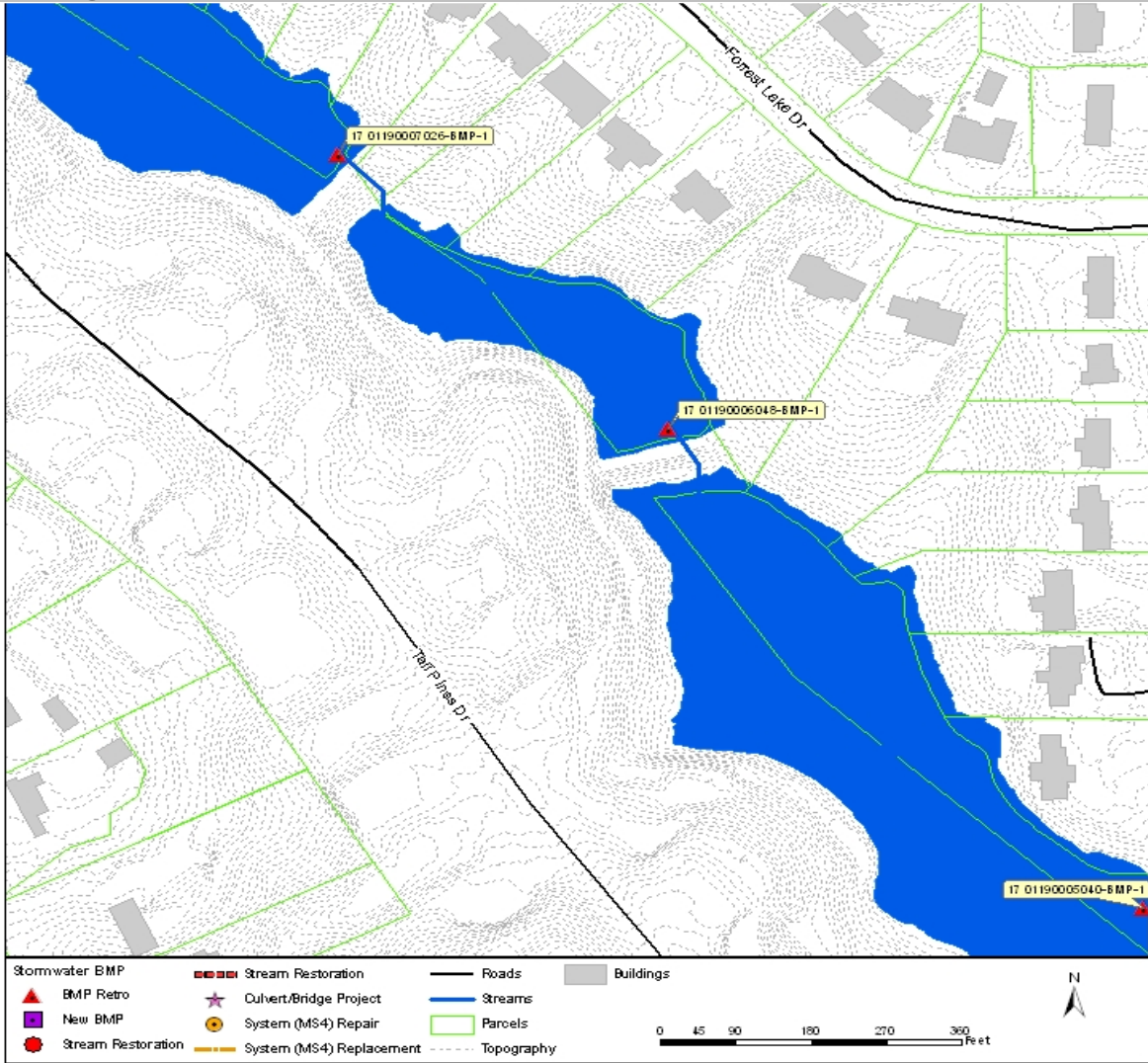


Figure 2 Plan View of Project with Topography

Watershed and Site Characteristics				
City Council District:	District 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	WQ Volume:	163,938	ft ³
	Combination Fair	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
Estimated Cost: \$499,000

Address: 0 Tall Pines Dr
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

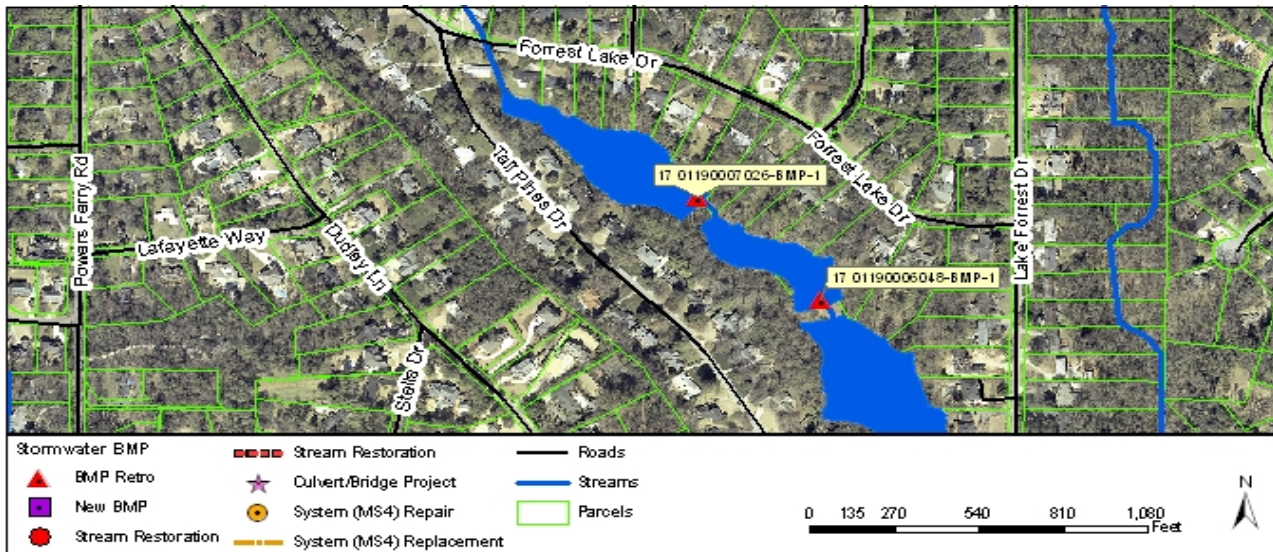


Figure 1 Plan View of Project with Aerial Photography

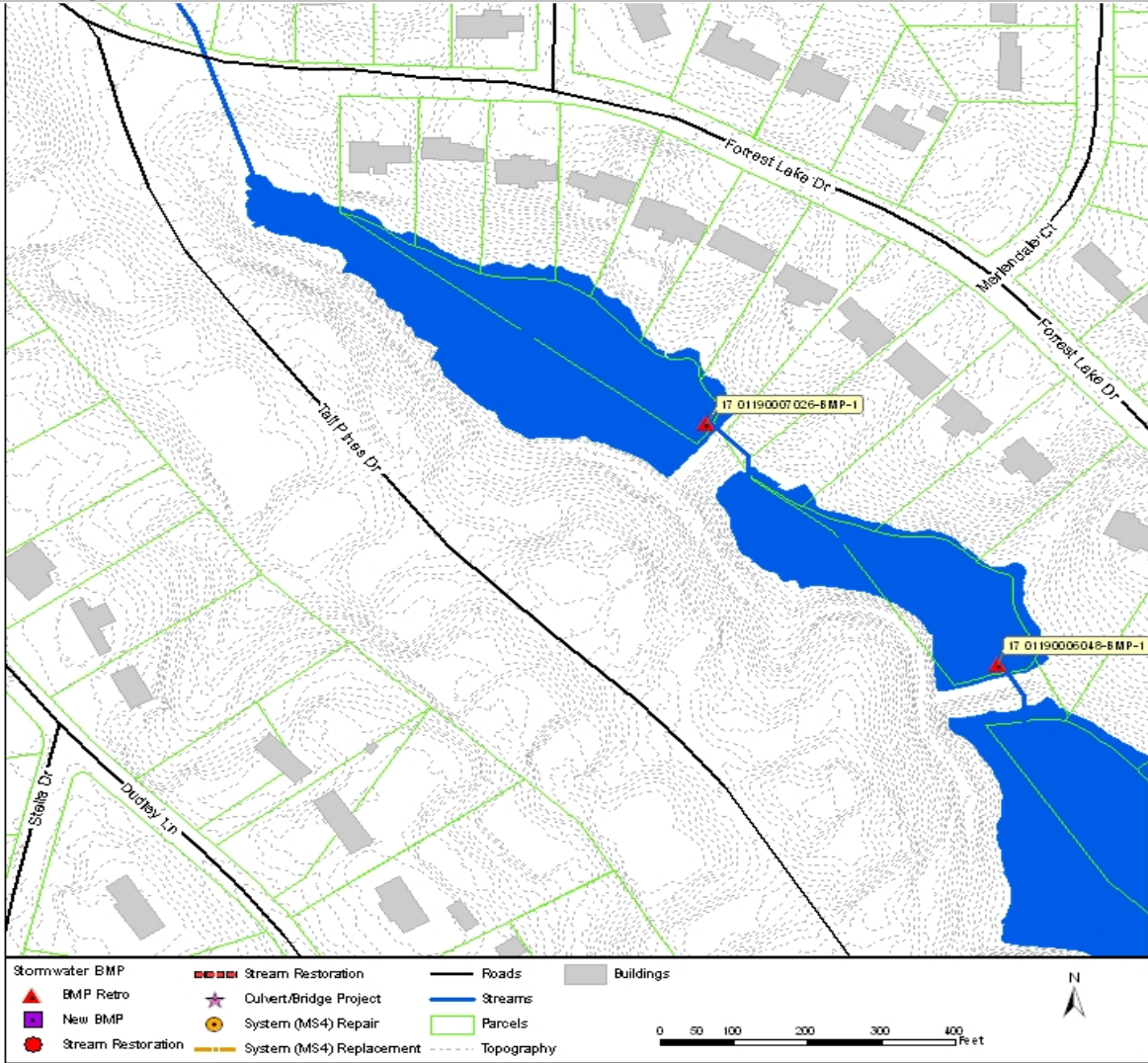


Figure 2 Plan View of Project with Topography

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; Water; Woods - Grass Combination Fair	WQ Volume:	139,209	ft ³
		CP Volume:	447,109	ft ³
		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			