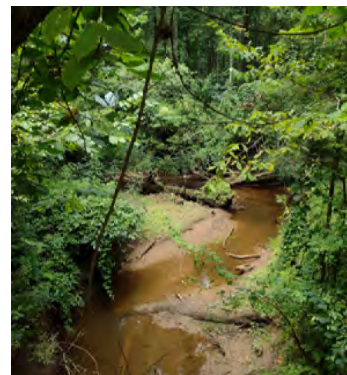




CROOKED CREEK / BIG CREEK WATERSHED STORMWATER MASTER PLAN

September 2023



CROOKED CREEK/BIG CREEK WATERSHED STORMWATER MASTER PLAN

FOR

Johns Creek, GA



Oct 2 2023 9:34 AM

PREPARED BY

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EXECUTIVE SUMMARY

The City of Johns Creek, Georgia (City) is seeking to improve water quality throughout the four main watersheds that are within the city limits and has begun a master planning process to assess each watershed. The master plan for the Johns Creek Watershed, also known as Zone 2, was completed in January 2023. The Cauley Creek/Level Creek watershed master plan, referred to as Zone 3, was completed in May 2023. The final master plan presented herein for Big Creek/Crooked Creek watersheds, also known as Zone 1, was prepared to provide the City with management strategies to improve water quality as well as a prioritized list of capital improvement projects that will help the City to achieve measurable reductions in the presence of fecal coliform in Zone 1.

Zone 1 covers approximately 10.0 square miles within City limits and generally collects stormwater runoff from the area east of Nesbit Ferry Road, west of Spruill and Buice Roads, and north of the Chattahoochee River, where all runoff is ultimately discharged. Zone 1 extends to the north along the Jones Bridge Road corridor and includes an area east of Kimball Bridge Road and an area south of McGinnis Ferry Road. The land use is over 70% residential with only a few commercial properties scattered throughout. Recreational lands make up about 14% of land use.

The United States Geographic Service (USGS), State of Georgia, Fulton County, the City of Johns Creek, and the City of Alpharetta have routinely sampled the water quality of Long Indian Creek and the Chattahoochee River. The sampling results have shown elevated levels of fecal coliform causing the Georgia Environmental Protection Division (GAEPD) to classify Long Indian Creek and the Chattahoochee River as impaired. While bacterial source testing has only been completed in limited areas to determine the specific source of fecal coliform, the concentrated residential land use of the watershed has led the City to conclude that canine sources are the likely the primary contributor to the elevated bacteria levels in the watershed, with some potential for human and waterfowl contributions.

One of the primary goals of this Watershed Master Plan is to address stormwater quality throughout the Zone 1 watershed which will focus predominantly on developing solutions for reducing the fecal coliform. Addressing pollutant concerns in a watershed typically includes reducing the source of bacteria prior to entering the drainage system and when further source reduction is not possible, provide stormwater treatment to facilitate pollutant removal.

Source Reduction

City staff has been working diligently to reduce the sources of pollution in Zone 1. Critical activities for addressing bacteria sources include the following:

- *Pet Waste Cleanup:* The City should continue to educate residents on the importance of cleaning up pet waste. Pet waste disposal stations and educational signage should be located throughout the City to encourage proper disposal, particularly along greenways, walking trails and public parks. Allocating \$80,000 to this program would support the installation of 100 pet waste stations, signage, educational

activities and waste disposal. Once waste stations are installed the yearly allocation could be reduced to the amount needed for disposal and maintenance.

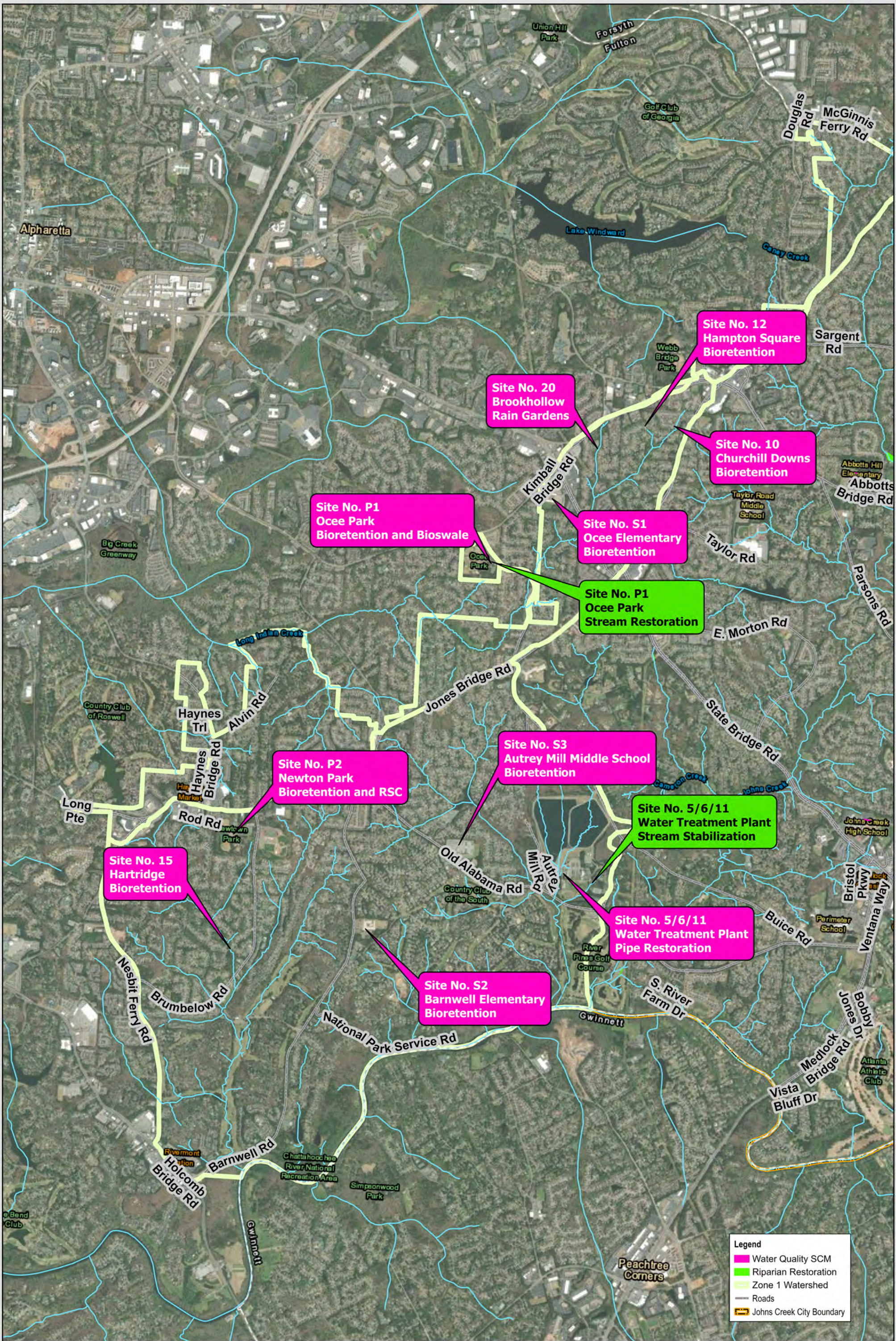
- *Sanitary Sewer:* Leaking sanitary sewers and sanitary overflows can contribute to high bacteria concentrations. The City should consider a targeted dry weather sampling program to identify sources of bacteria not associated with stormwater runoff. This sampling program could be conducted in conjunction with the dry weather screening required by the City's Large Municipal Separate Storm Sewer System (MS4) permit.
- *Waterfowl:* Waterfowl are routinely found near ponds throughout the City. Modification of design standards associated with wet detention ponds can help reduce the potential for waterfowl sources of bacterial.
- *Green Infrastructure Program:* The City should develop an incentive program to encourage home and business owners to install green infrastructure on their property. Examples include rain gardens, permeable driveways or sidewalks, rain barrels and downspout disconnection. The City should consider reductions in stormwater utility fees or cost-sharing to incentivize these types of projects, as well as provide educational materials on the benefits, proper installation and maintenance of green infrastructure. Allocating a yearly amount for installation of green infrastructure on private property would help intercept stormwater runoff at the source and reduce pollutants reaching the waterways. Allocating \$500,000 per year (maximum of \$100,000 per project) to fund green infrastructure on private property would likely provide treatment for over 2 acres of impervious area per year based on available literature values. Requiring cost sharing by residents or businesses could be used to stretch the allocated funds further. If community interest in the program is sufficient, the City should consider increasing the yearly allocation to support further green infrastructure development across the watershed.

Capital Projects

A total of ten (10) capital projects have been identified to address the water quality of runoff in Zone 1. Where feasible, projects are proposed to meet multiple goals for stormwater management including quantity control, stream stabilization and asset management in addition to water quality treatment. Potential project sites were identified by a watershed-wide desktop screening process, followed by field investigation and further prioritization of the top candidate locations.

The ten water quality projects typically include some type of best management practice (BMP) which have been shown to reduce pollutant concentrations from stormwater runoff. Reduction of pollutant concentrations in BMPs occurs through settling, filtration, ultraviolet (UV) exposure, and microbial

predation. The most effective BMPs for pollutant removal typically include multiple mechanisms. Locating BMPs optimized for pollutant removal throughout the watershed in conjunction with source reduction will have a significant net impact on fecal coliform levels at the discharge points with Long Indian Creek and the Chattahoochee River downstream of Zone 1. The locations of the recommended projects are shown in Figure ES-1 and are distributed throughout the watershed to the extent possible.



Legend

- Water Quality SCM
- Riparian Restoration
- Zone 1 Watershed
- Roads
- Johns Creek City Boundary

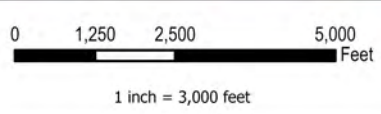


Figure ES-1. Proposed Water Quality Projects
 CITY OF JOHNS CREEK
 STORMWATER MASTER PLAN



Prioritization

To properly allocate City resources, proposed capital projects were prioritized on a 100-point scale based on the following categories:

- **Property Ownership:** Location of the proposed project and whether it is situated on publicly or privately-owned land. (Maximum score – 18)
- **Drainage Area:** The approximate amount of drainage acreage treated by the proposed project. (Maximum score –8)
- **Pollutant Removal Efficiency:** Based upon the fecal coliform removal efficiency of the BMP. (Maximum score – 30)
- **Constructability:** Evaluation of potential utility conflicts, stream impact or other construction impediment. (Maximum score – 15)
- **Tree Cover:** Based on the current estimated tree cover of the site. (Maximum score – 10)
- **Ease of Access:** Level of difficulty to bring maintenance equipment to the site and whether or not paved access roads or paths are fully or partially available. (Maximum score – 4)
- **Permittability:** Based on the location and type of project, an evaluation of whether local/State or Federal permits may be required. A less desirable score involves Federal permits. (Maximum score – 3)
- **CIP Integration:** The integration of a proposed water quality project with existing stormwater pipes ranked highly on the City’s CIP prioritization scale. (Maximum score – 12)

Table ES-1 provides the prioritization scores and project rankings for the projects, as well as approximate conceptual planning level costs. The costs include estimates for capital costs such as construction, project management, grading, survey, design and permitting, geotechnical and structural evaluation, real estate acquisition, materials testing, utility relocation, and construction inspection, as well as three years of post-construction operation and maintenance. Multiple project types were recommended for Zone 1, as shown in Table ES-1. Riparian enhancement can include buffer restoration, stream stabilization and stream restoration. Regenerative stormwater conveyances and bioretention are structural water quality BMPs which utilize settling and infiltration to remove pollutants from stormwater runoff. Right-of-way enhancement can include planters or rain gardens designed to receive flow from the street and retain pollutants.

The recommended projects provide an important step in the proactive management of stormwater runoff within Zone 1 for the City of Johns Creek. Stormwater management is a continually evolving process. The Capital Improvement Plan priority list should be reviewed annually to re-prioritize projects based on public

safety and funding opportunities. Grants available from organizations such as State Revolving Fund (SRF), Environmental Protection Agency (EPA), and Federal Emergency Management Agency (FEMA) may allow projects to move up the priority list. As priorities shift and development or re-development occurs, projects may be added to or removed from the Capital Improvement Plan.

TABLE ES-1. ZONE 1 WATER QUALITY PRIORITIZATION

Project ID	Project Name	Project Type	Prioritization Score	Total Cost
Site No. S2	Barnwell Elementary Bioretention	Bioretention	79	\$193,000
Site No. S3	Autrey Mill Middle Bioretention	Bioretention	79	\$370,000
Site No. S1	Ocee Elementary Bioretention	Bioretention	75	\$186,000
Site No. P2	Newtown Park Bioretention, RSC and Pond Improvements	Dry Pond Retrofit/Bioretention/Regenerative Stormwater Conveyance	71	\$840,000
Site No. 12	Hampton Square Bioretention	Bioretention	68	\$112,000
Site No. P1	Ocee Park Bioretention, Bioswale and Stream Restoration	Bioretention/Bioswale/Riparian Enhancement	67	\$483,000
Site No. 20	Brookhollow Rain Garden	Right-of-Way Enhancement	59	\$64,000
Site No. 10	Churchill Downs Bioretention	Bioretention	58	\$91,000
Site No. 15	Hartridge Bioretention	Bioretention	56	\$186,000
Site No. 5/6/11	Atlanta/Fulton County WTP Stream Restoration and Pipe Replacement	Riparian Enhancement/Asset Management	56	\$524,000
Pet Waste Program			\$80,000 initial investment, may decrease to just cover O&M	
Green Infrastructure Program			\$500,000 per year, may increase based on community interest	
Ditch Retrofit Program			\$500,000 per year, may increase based on road improvement schedule	

1. INTRODUCTION

The City of Johns Creek (City) has recently established a stormwater utility program to sustainably manage water quantity and quality within the city limits. The City has directed WK Dickson (WKD) to develop a stormwater master plan for the Zone 1 Watershed, with the following goals:

- Utilize the project identification and prioritization process developed during the 2022 Johns Creek Master Plan to guide capital and operations expenditures;
- Identify and prioritize watersheds and targeted project areas for water quality, flooding and streambank erosion projects;
- Develop a Capital Improvement Program to be implemented over the next 10 years;
- Incorporate EPA Nine Elements strategies; and
- Establish eligibility to receive federal infrastructure funding and State 319(h) grant funding.

The Zone 1 Watershed encompasses just under ten (10) square miles (6,385 acres), from the Spruill Road north along Jones Bridge Road on the eastern boundary of the City and extending west to the City of Johns Creek Boundary, as shown in Figure 1-1 (Appendix A).

The Zone 1 Watershed has been almost fully developed based on existing land use data provided by the City. Approximately 60 percent of the land use within the watershed is residential, with both single family and high-density developments. Residential land use may be a contributing factor to the fecal coliform impairment within the watershed. Commercial properties and roads/utilities make up an additional 26 percent of developed land in the watershed. Another 13 percent of the land within Zone 1 is designated as public or private recreation, with less than 1 percent designated as undeveloped. The recreational areas are primarily golf courses or land within the floodplain along the Chattahoochee River, which is unlikely to develop in the future.

The Zone 1 Watershed Master Plan documented herein provides a summary watershed characterization, including a summary of existing water quality data. Primary pollutant sources and recommended management strategies to address contamination within the Zone 1 Watershed are also presented. Efforts to address water quality concerns in a watershed typically include:

- Reducing the source of contaminants prior to entering the drainage or stream system, and
- Providing stormwater treatment to facilitate contaminant removal where source control is not adequate or feasible.

This document, the Zone 1 Watershed Master Plan, focuses on developing solutions for reducing contaminant levels throughout the watershed. This includes source control measures and structural stormwater control measures. The Master Plan also addresses the nine elements necessary for EPA 319 grant funding, as summarized below. A cross-reference of sections of the report addressing each element in depth is provided in Table 1.1.

TABLE 1.1. EPA 9 ELEMENT WATERSHED PLAN REFERENCE

Plan Element	Plan Description	Report Section	Section Title
A	Identification of Pollutant & Impairment Causes & Sources	3.2 3.3	Environment and Natural Resources Watershed Impairment
B	Pollutant Load Reduction Estimates Expected from Best Management Practices (BMP)	5.1 5.2 6.5	Load Reduction Goals Management Strategies Structural BMP Recommendations
C	Nonpoint Source (NPS) Best Management Practices (BMP) & Critical Target Areas for BMP Installation	5.2 6.2	Management Strategies Subwatershed Prioritization
D	Financial and Technical Assistance to Implement BMP, Associated Costs & Sources of Funds	6.7	Funding Sources
E	Education & Outreach to Encourage Public Participation in Plan Implementation	7.0	Public Outreach
F	BMP Implementation Schedule	6.7.1	Implementation Schedule
G	Interim Milestones to Determine Progress of BMP Implementation	6.7.2	Project Milestones
H	Set of Criteria to Monitor and Assess BMP	6.7.2	Project Milestones
I	Component to Determine Plan Implementation Effectiveness	6.7.3	Pollutant Reduction Tracking

Element (A) – Identification of Pollutant & Impairment Causes & Sources

- Long Indian Creek has a total maximum daily load (TMDL) for fecal coliform which calls for a 57% reduction in loading. Detailed source testing was conducted and indicated the primary source of bacteria is pet waste coming from high-density residential areas.
- The Chattahoochee River has a TMDL for fecal coliform which requires a 95% reduction in pollutant loading.

Element (B) - Pollutant Load Reduction Estimates Expected from Best Management Practices (BMP)

- The recommended structural BMPs are estimated to reduce the fecal coliform load from their respective drainage areas by an average of 46%, based on GAEPD BMP guidance.
- Implementing a green infrastructure program could achieve reductions of 80% per green infrastructure measure installed in the neighborhoods or commercial areas that participate.

Element (C) - Nonpoint Source (NPS) Best Management Practices (BMP) & Critical Target Areas for BMP Installation

- Thirty-two subwatersheds were delineated within Zone 1 and ranked based on landuse, floodplain presence, public land availability and presence of impaired streams.
- Over 14,000 potential sites within the watershed were evaluated for BMP suitability using geographic information system (GIS) desktop analysis that took into account numerous environmental factors, as detailed in Section 6. Potential sites included parcels, neighborhoods, existing stormwater pipes, outfalls, and BMPs. The top 25 were further evaluated during site visits to determine constructability and the type of BMP which best suited the sites.

Element (D) - Financial and Technical Assistance to Implement BMP, Associated Costs & Sources of Funds

- Planning level cost estimates were developed for each of the ten recommended structural BMPs. The total anticipated capital cost is \$3,049,000.
- The City anticipates utilizing the watershed plan and supporting documentation to pursue EPA 319 Nonpoint Source Grants, Georgia Environmental Finance Authority (GEFA) Clean Water State Revolving Fund (CWSRF), and Georgia Department of Community Affairs Community Development Block Grants (CDBG) to assist in funding the BMPs.

Element (E) - Education & Outreach to Encourage Public Participation in Plan Implementation

- Since pet waste is the likely primary source of fecal coliform pollution within Zone 1, public education will be focused on encouraging citizens to bag and dispose of their pet waste. A pledge campaign, pet waste station and signage installation, and potential enforcement of the existing pet waste ordinance are all recommended to reduce pet waste washing into the stream and drainage system.
- As structural BMPs are designed and built, multiple opportunities for public involvement and outreach are recommended. Public forums may be held to solicit citizen feedback during the design process. BMPs which are installed in a visible manner on public property may have educational signage posted, and the City may also conduct green infrastructure tours to highlight water quality BMPs throughout Zone 1.

Element (F) - BMP Implementation Schedule

- The structural BMPs are planned for implementation over a 10-year period, depending on funding availability.
- BMPs developed through the recommended green infrastructure grant program will be implemented as qualifying projects are presented to and approved by the City.

Element (G) - Interim Milestones to Determine Progress of BMP Implementation

- Progress on the structural and programmatic recommendations will be tracked via key performance indicators (KPIs) specific to each type of practice.

Element (H) - Set of Criteria to Monitor and Assess BMP

- Additional KPIs will be tracked upon implementation of the BMPs to determine the benefits of each program and potentially reallocate funding towards the most effective measures.

Element (I) - Component to Determine Plan Implementation Effectiveness

- Each recommended structural BMP will have upstream and downstream sampling and monitoring conducted prior to and after the construction of the BMP to establish a baseline condition and determine the effect on water quality at that location.
- The City maintains four water quality monitoring stations on Long Indian Creek: at State Bridge Road, Buice Road, Willow Meadow Road and High Hampton Chase. The City should also compare results from these stations as BMPs are implemented to the historic pollutant levels to measure the effectiveness of the program.
- If pollutant reduction at the main monitoring stations on Long Indian Creek remain below goals after implementation of the plan components, additional upstream sampling on tributaries to Long Indian Creek should be added to the monitoring program to isolate and target areas with concentrated pollutant output.

2. PREVIOUS REPORTS REVIEWED

Many reports were reviewed for information relevant to the 2023 Zone 1 Watershed Master Plan, including studies and reports conducted by the City and surrounding municipalities or other entities. The results of that review are summarized in Table 2.1.

TABLE 2.1. REPORTS RELEVANT TO ZONE 1

Report	Relevance to Zone 1
Johns Creek Stormwater Utility Program (2021)	The utility program establishes the stormwater extent of service policy, utility user fee calculation, credits, and enforcement basis for all citizens. Existing infrastructure within the extent of service or proposed infrastructure which would be within the extent of service will be prioritized for the CIP. Revenue requirements for the utility program should be revisited based on the updated CIP and timeframe for implementation.
Johns Creek Stormwater Management Plan (2020)	The stormwater management plan establishes design quality and quantity criteria, inspection and maintenance procedures, and responsibility for stormwater management facilities. The design criteria will be used to assess existing facilities and size recommended facilities in the watersheds.
Johns Creek Phase 2 Large Municipal Separate Storm Sewer System (MS4) Annual Reports (2019, 2020, 2021, 2022)	The following information will be reviewed for targeting water quality improvement within Big Creek and Crooked Creek watersheds: <ul style="list-style-type: none"> •Water Quality Trend Analysis •BMP Inventory •BMP Inspections •Outfall Inventory and Dry Weather Screening Program •GI-LID Program •GI-LID Inventory
Johns Creek Stormwater Asset Management Strategy	The City’s current asset ranking system, maintenance capacity, and preferred rehabilitation strategies will be utilized in recommending CIP and programmatic measures to improve water quality.
Johns Creek Impaired Water Monitoring and Implementation Plan (2022)	The CIP will prioritize projects which support the BMPs outlined within the Impaired Water Plan.

Report	Relevance to Zone 1
Johns Creek Impaired Waters Annual Report (2015 – 2022)	The annual reports contain yearly sampling data from two sample sites that will be used to identify fecal coliform trends in the Zone 3 watersheds.
Metropolitan North Georgia Source Water Assessment and Protection Plan	Big Creek and Crooked Creek are tributary to the Chattahoochee River, which is a source for multiple water utilities in the North Georgia region. Based on the Metro District’s evaluation criteria, all sources along the Chattahoochee River are scored as Medium-High for susceptibility to pollution.
Metropolitan North Georgia Water Resource Management Plan (2020)	River Basin Profile information for the Upper Chattahoochee River will be referenced for the Watershed Characterization for the Zone 3 Master Plan. In addition, any projects identified or implemented help satisfy the Watershed Improvement Project section of the Plan (as described on page 5-135).
Georgia Environmental Protection Division (GAEPD) Nine Element of Watershed Planning Checklist	The master plan will include supporting information for the nine elements of watershed planning to facilitate 319 grant applications for projects identified in the CIP.
Long Indian Creek Watershed Improvement Plan (2017)	Bacterial source tracking was performed as part of this study and identified dog waste as the primary contributor to fecal contamination for Long Indian Creek.

3. WATERSHED CHARACTERIZATION

3.1 Project Location

This Watershed Master Plan pertains to the section of the Crooked Creek and Big Creek-Long Indian Creek Watersheds located within Johns Creek City Limits. This area is referred to by the City as “Zone 1”, and is shown in Figure 1-1 (Appendix A). Zone 1 is part of the Upper Chattahoochee River Basin, and as noted in the Upper Chattahoochee River Basin Profile (Metro District, 2017), is located entirely within the Piedmont province, which consists of rolling hills and occasional isolated mountains. The Upper Chattahoochee Basin includes portions of the Gainesville Ridge, Central Highlands and the Winder Slope physiographic districts.

3.2 Environmental and Natural Resources

3.2.1 Hydrology

Zone 1 is primarily within the area designated by the United States Geological Survey (USGS) as Hydrologic Unit Code (HUC) #031300010907, with a portion in HUC #031300011003 (Crooked Creek), and a small portion in HUC #031300011002 (Big Creek-Long Indian Creek). All streams within Zone 1 are tributaries to the Chattahoochee River. Zone 1 is approximately 10 square miles and drains the western portion of the City of Johns Creek.

3.2.2 Surface Water Classification / Designated Uses

The designated use as classified by GAEPD for Long Indian Creek is fishing and it is listed as impaired for fecal coliform. The Chattahoochee River from Johns Creek to Morgan Falls Dam is designated by GAEPD for Recreation/Drinking Water use. It has been on the impaired waters list since 2016 for fecal coliform and later listed in 2018 for *E. coli*. Managing water quality is important to maintain these uses.

3.2.3 Soils

The majority of the soils in the watershed are sand/clay mixtures of the following categories: Altavista, Cecil, Congaree, and Rion. Soil type is important when selecting water quality improvement BMPs and programs, especially those that involve green infrastructure projects which rely on infiltration.

The soil types were classified based on the Natural Resource Conservation Service (NRCS) Soil Surveys as follows:

- Altavista soils generally have a slight to moderate erosion hazard. They are generally deep with moderate moisture holding capacity and are moderately well drained.
- Cecil soils generally have a high erosion hazard. They are typically deep with moderate moisture holding capacity. The natural drainage is good to excessive.
- Congaree soils have a slight erosion hazard. They are generally deep with moderate moisture holding capacity and are well drained.

- Rion soils have a moderate to high erosion hazard, are typically deep with a moderate moisture holding capacity and are well drained.
- Along the corridor of the streams within Zone 1, the soils tend to be Rion or Wehadkee. The water table in these areas is high and the soils contain more sand and pose slight to moderate erosion hazards.

NRCS uses a standard soil classification method. Soils are grouped into four hydrologic soil groups A through D. These groups are commonly used to estimate infiltration rates and soil moisture capacities. The majority of soils in Zone 1 are type B as shown in Table 3.1 and Figure 3-1 (Appendix A).

- B – Soils that have moderate infiltration rates when thoroughly wetted and a moderate rate of water transmission.

TABLE 3.1. HYDROLOGIC SOIL GROUPS

Hydrologic Soil Group	Acreage	Percentage
A	38	1%
B	4133	65%
C	268	4%
A/D	384	6%
B/D	40	1%
Water Bodies	116	2%
Urban Land Unclassified	1399	22%

3.2.4 Land Use / Impervious Cover/Zoning

There are nearly 6,400 acres of varied land use in Zone 1 as noted in Table 3.2 and Figure 3-2 (Appendix A). The land use designations below were taken from the City’s land use GIS data. Major categories of land use in the watershed include residential (60 percent), recreation (13 percent), and roads (13 percent).

Figure 3-3 (Appendix A) indicates the future land use within the watershed based on the City’s future land use GIS data. The future land use date is not specified. As noted on the map, there are minimal changes between existing and future land use. Most of the watershed is built-upon or in parks and conservation.

Land use categories help guide the type of BMPs that may be implemented to help protect water quality. For example, if most of the land use is residential, BMPs may be targeted to homeowners focusing on lawn maintenance and pet waste management to address nutrients and/or fecal coliform pollutants.

TABLE 3.2. EXISTING LAND USE IN ZONE 1

Land Use Category	Acreage	Percentage	Percent Impervious
Agricultural	16	0.3%	1.7%
Commercial – Multi-Family	76	1.2%	28.3%
Commercial – Office	23	0.4%	31.7%
Commercial – Retail/Shopping Centers	226	3.5%	58.1%
Recreation – Private	470	7.4%	4.4%
Recreation – Public	321	5.0%	4.9%
Residential – 1 unit or less	1260	19.7%	21.5%
Residential – 3 units or less	2305	36.1%	20.1%
Residential – 4 units or less	269	4.2%	21.8%
Residential – 5 units or more	42	0.7%	16.7%
Schools, Religious, Municipal	222	3.5%	27.6%
Undeveloped	43	0.7%	4.1%
Utilities	282	4.4%	4.3%
Roads	830	13.0%	15.4%
TOTAL	6494	100%	

The percent impervious was calculated by dividing the total impervious area on each land use type from the City’s GIS impervious data by the total land use area.

3.3 Watershed Impairment

3.3.1 Pollutant Sources

Within Zone 1, Long Indian Creek is listed as impaired fecal coliform and a 2017 Long Indian Creek Improvement Plan found that dog waste is the primary source of elevated levels, so the Zone 1 Master Plan will be aimed at addressing potential sources of pet waste. The Chattahoochee River bounding Zone 1 is also listed as impaired for fecal coliform as well as *E. coli*. Primary avenues for the introduction of fecal coliform into the waterways include: (1) urban runoff, (2) agricultural practices, and (3) wildlife presence. Agricultural areas comprise less than 1% of Zone 1 so it is not likely to be a substantial source of fecal coliform.

Urban sources of fecal coliform are primarily human and pet generated. Residential areas (both single-family and high-density developments) bring a greater risk for pet waste to be found near open drainage channels.

Additional human sources may be present if there are frequent sanitary sewer overflows (SSOs) or leaky septic tanks or sanitary sewer systems present. Fulton County provided sewer line location data for Johns Creek. The watershed is served via gravity sewer, with no areas of septic systems, as shown in Figure 3-4 (Appendix A).

The presence of waterfowl, deer, and small mammals in residential or more wooded areas of the watershed may also be a contributing factor to fecal coliform contamination. Waterfowl in and around stormwater ponds are a potentially significant source of fecal coliform as their waste is typically left in very close proximity to open water bodies. Figure 3-5 (Appendix A) indicates the extent of the closed stormwater system throughout the watershed.

3.3.2 Impaired Streams

Long Indian Creek is listed as impaired due to fecal coliform contamination on the State’s Integrated 305(b)/303(d) List. The portion of the Chattahoochee River that all of Zone 1 ultimately drains to is also impaired for E Coli and fecal coliform. Figure 3-6 (Appendix A) indicates the currently listed impaired waters within Zone 1. Table 3.3 also summarizes the evaluated streams with their corresponding status in the 2022 Integrated 305(b)/303(d) Report. The Long Indian Creek impairments are due to urban runoff containing pet waste and additional non-point sources, and the Chattahoochee River impairments are due to urban runoff according to the GAEPD 305(b)/303(d) report.

TABLE 3.3. 2022 IMPAIRED WATERS

Stream Segment	Designated Use	Cause	Miles	2022 Listing Status
Long Indian Creek (Headwaters to Big Creek)	Fishing	Fecal Coliform	4	Not Supporting
Chattahoochee River (Johns Creek to Morgan Falls Dam)	Drinking Water, Recreation, Fishing	E Coli, Fecal Coliform	17	Not Supporting

3.3.3 TMDLs

The State of Georgia assesses its water bodies for compliance with water quality criteria established for their designated uses as required by the Federal Clean Water Act (CWA). Water bodies not supporting their designated use are placed on the 303(d) list and are required to have a Total Maximum Daily Load (TMDL) developed for the water quality standard violated.

The TMDL process establishes the allowable pollutant loadings for a water body based on the relationship between pollutant sources and instream water quality conditions. This encourages water quality-based controls, such as BMPs and SCMs, to be developed to reduce pollution and restore and maintain water quality.

Fecal coliform TMDLs were first developed for the Chattahoochee River – Johns Creek to Morgan Falls Dam in 2008, which specifies that a 57% reduction in fecal coliform is required to meet state water quality standards. TMDL Implementation Plans were developed to provide guidance to help remove this segment of the river from the impaired classification.

In 2013, a TMDL for *Thirteen Stream Segments in the Chattahoochee River Basin for Fecal Coliform* was completed by GAEPD and approved by United States Environmental Protection Agency (USEPA). Long Indian Creek was included in this TMDL. In 2016, Long Indian Creek was

listed as impaired for fecal coliform because of this TMDL. The TMDL specifies a 95% reduction of loading to meet state water quality standards.

See the GAEPD website for TMDL information. <https://epd.georgia.gov/watershed-protection-branch/total-maximum-daily-loadings/final-total-maximum-daily-loadings-tmdls>

4. WATER QUALITY MONITORING and DATA

4.1 City Monitoring Program

The City maintains an active monitoring program, which complies with National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) permit, TMDL, and Metro District requirements. An annual evaluation of water quality trends is prepared and submitted to GAEPD for the pollutants of concern, i.e., the pollutant that causes impairment (fecal coliform). Further details on the sampling locations, quality assurance, and schedule can be found in the Impaired Waters Plan (Johns Creek, circa 2022).

4.1.1 City Monitoring Program

The primary streams that Zone 1 drains are Autrey Mill Creek and Chattahoochee River Tributary that both drain south to the Chattahoochee River and Long Creek, which drains to the west to the adjacent Big Creek watershed, which also outlets to the Chattahoochee River further downstream. Four (4) monitoring locations have been established by the City for long-term water quality monitoring along Long Creek, as shown in Table 4.1 and as shown in Figure 3-6 (Appendix A). Georgia EPD also maintains a monitoring station on the Chattahoochee River at the southern end of Zone 1 near Holcombe Bridge Road. No other monitoring stations are located on streams within Zone 1 or occur on streams draining from Zone 1. Fecal coliform samples and weather conditions are collected at each location. The United States Geological Survey (USGS) maintains a monitoring station on the Chattahoochee River at Medlock Bridge Road, but only flow and E-Coli data is collected, so this station was not included in the analysis.

TABLE 4.1. FECAL COLIFORM MONITORING LOCATIONS

SAMPLING LOCATION	COORDINATES
State Bridge Road (LIC-1)	N 34° 03' 3" W 84° 13' 38"
Buice Road (LIC-2)	N 34° 02' 42" W 84° 14' 0"
Willow Meadows Road (LIC-3)	N 34° 02' 17" W 84° 14' 16"
High Hampton Chase (LIC-5)	N 34° 02' 17" W 84° 16' 17"
Chattahoochee River at Holcomb Bridge Road (RV 12_3859)	N 33° 58' 26" W 84° 15' 46"

4.1.2 Schedule

Samples are collected according to GAEPD requirements for fecal coliform bacteria, with four samples over a 30-day period during four designated quarters. Samples are collected regardless of weather once a week on the same day for four consecutive weeks each quarter. A quarterly

geometric mean is then calculated using this data and compared to water quality standards. Further details can be found in the City's Impaired Waters Plan.

4.1.3 *Quality Assurance*

Chain of Custody forms are completed for each sample collected, quality assurance collection methods are used and a state certified independent lab processes each sample. A Quality Assurance Plan has been developed that describes field quality assurance, lab analyst certification and lab accreditation, and documentation of data.

4.2 Water Quality Monitoring Data

Present regulatory requirements specify that the geometric mean of fecal coliform samples collected during quarter 1 (Q1) for May, June, and July and quarter 2 (Q2) for August, September, and October must be below 200 colonies/100mL. The geometric mean must be below 1000 colonies/100mL for quarter 3 (Q3) during November, December, and January and for quarter 4 (Q4) during February, March, and April. It should be noted that Q4 is the beginning of a calendar year, so that in the graphs presented, Q4 is shown prior to Q3.

The City provided tabulated data for the monitoring stations on Long Indian Creek and the Chattahoochee River. The data was reviewed for the following selected monitoring sites:

- Long Indian Creek at State Bridge Road (LIC-1)
- Long Indian Creek at Buice Road (LIC-2)
- Long Indian Creek at Willow Meadow Road (LIC-3)
- Long Indian Creek at High Hampton Chase (LIC-5)
- Chattahoochee River at Holcomb Bridge Road (RV 12 3859)

4.2.1 *Long Indian Creek*

There are four (4) monitoring stations located on Long Indian Creek that are jointly managed by the City of Johns Creek and the City of Alpharetta. Data is collected from each station multiple times during key sampling months. The data is processed into geometric means of all samples collected during the summer (Q1 and Q2) and winter (Q3 and Q4) sampling periods. The geometric mean for each quarter is compared to the state standard and used to determine if the site passes or fails for its designated use. Geometric means for all Long Indian Creek monitoring station data (2012-2022) is presented in Graphs 1 – 10.

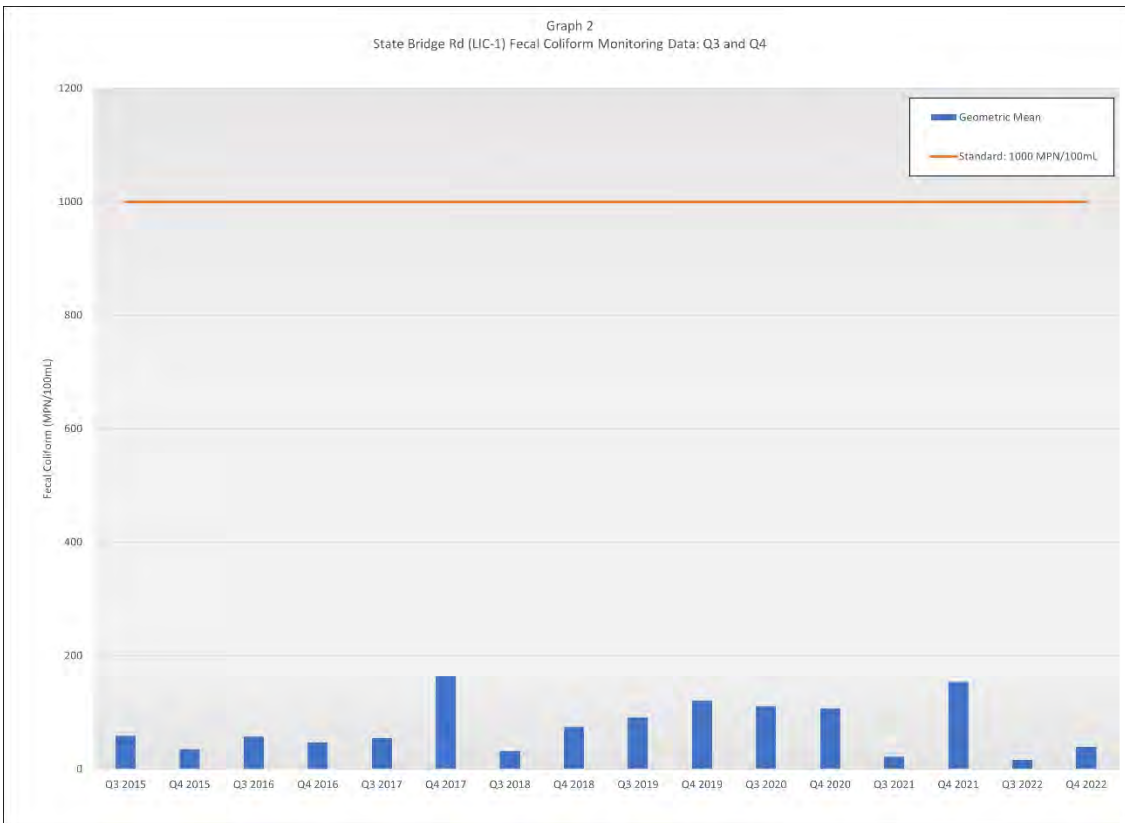
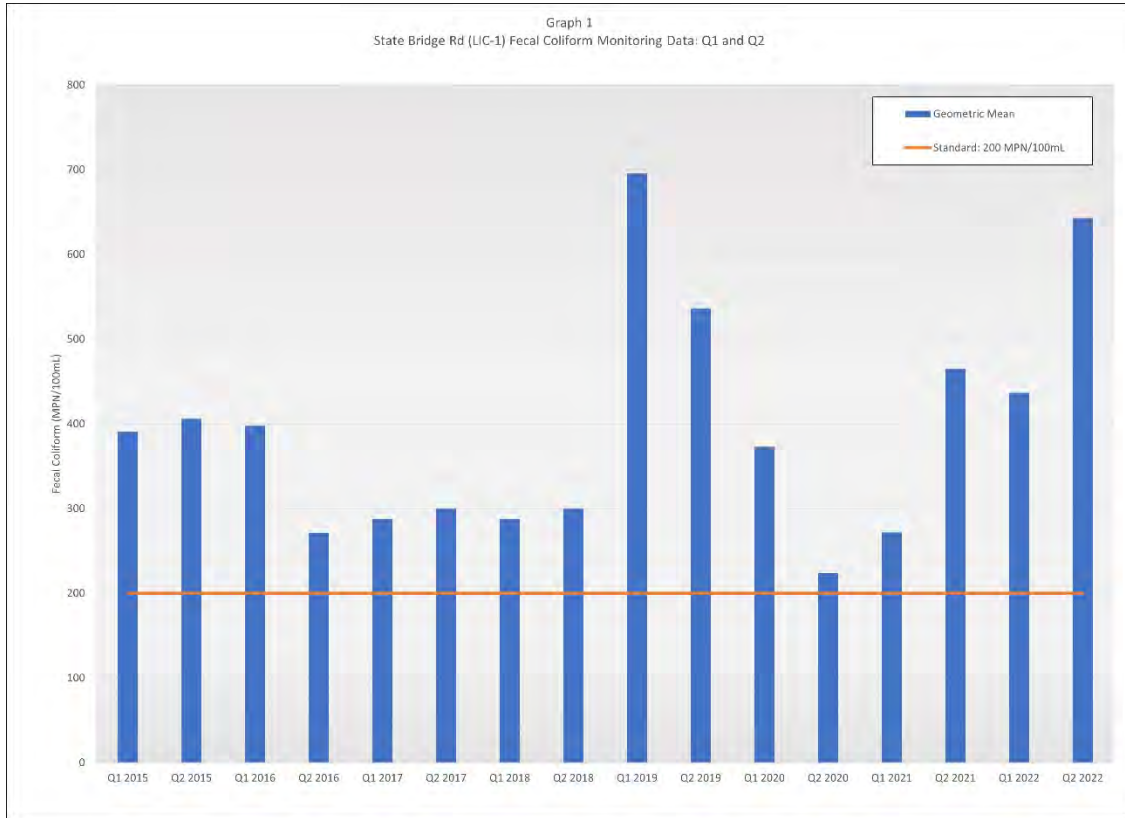
The fecal coliform data for the upstream Long Indian Creek monitoring site at State Bridge Rd (LIC-1) is shown in Graphs 1 and 2. During the summer months of Q1 and Q2, the data has exceeded the 200 colonies/100mL standard in all cases, including a large spike in Q2 2019 (associated with a rain event) and another most recently in Q2 2022, which does not appear to be tied to any specific storm event. The next upstream Long Indian Creek monitoring station at Buice Rd (LIC-2), shown in graphs 3 and 4, exceeded the summer standard 12 times out of the 16 monitoring periods. There was a particularly large spike in Q1 2019 which measured over

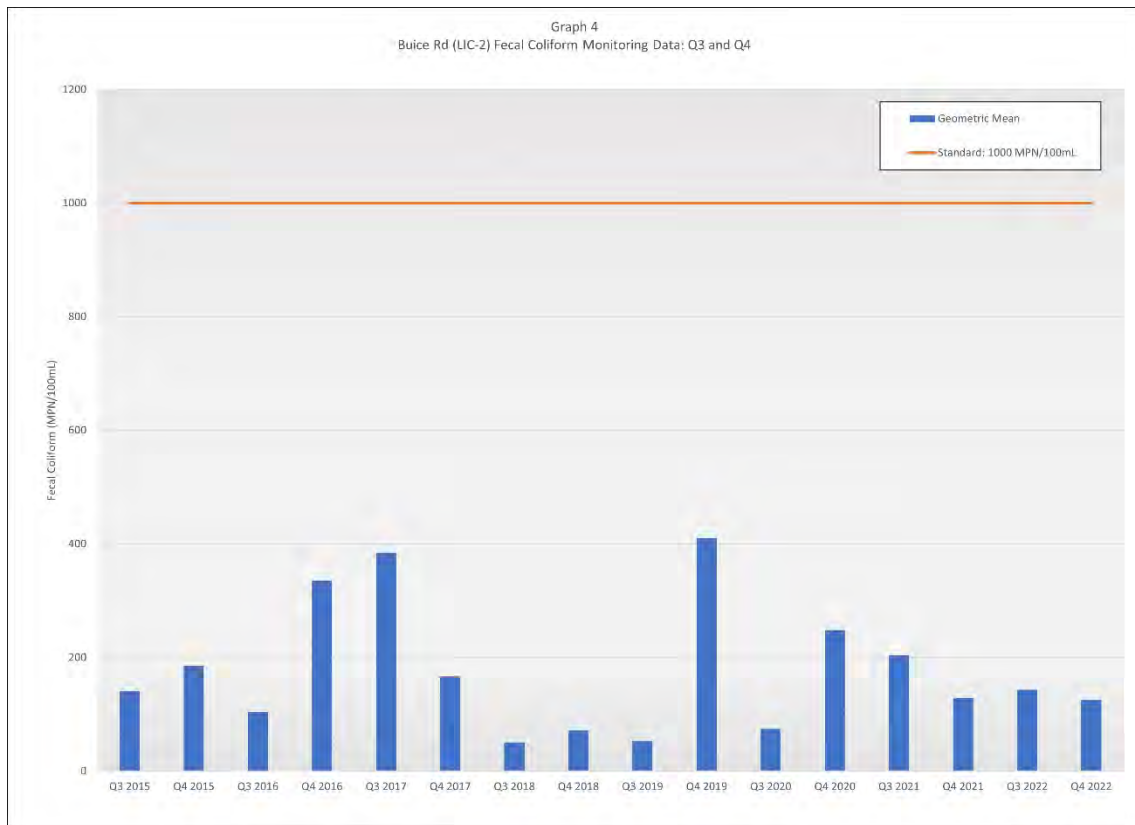
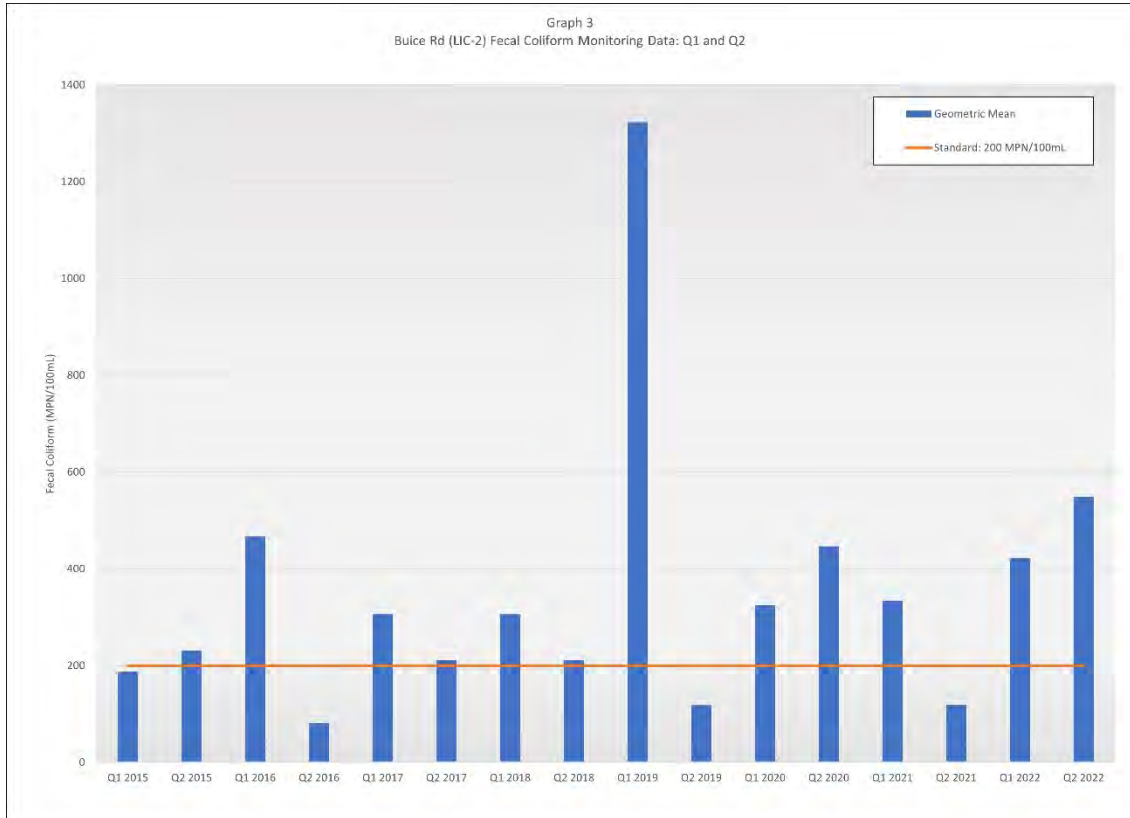
1300 colonies/100mL and was associated with a rain event. The Willow Meadow Rd (LIC-3) Long Indian Creek monitoring station, presented in graphs 5 and 6, exceeded the summer standard 11 times out of the 16 monitoring periods, although levels appear to have been trending downwards in late 2020, 2021, and 2022. The furthest downstream Long Indian Creek monitoring station located off of High Hampton Chase (LIC-5), shown in graphs 7 and 8, has exceeded the summer limits eight (8) times out of 16 monitoring periods, however, similar to station LIC-3, levels have overall improved in 2021 and 2022. All winter monitoring periods were well below the 1000 colonies/100 mL standard for all stations.

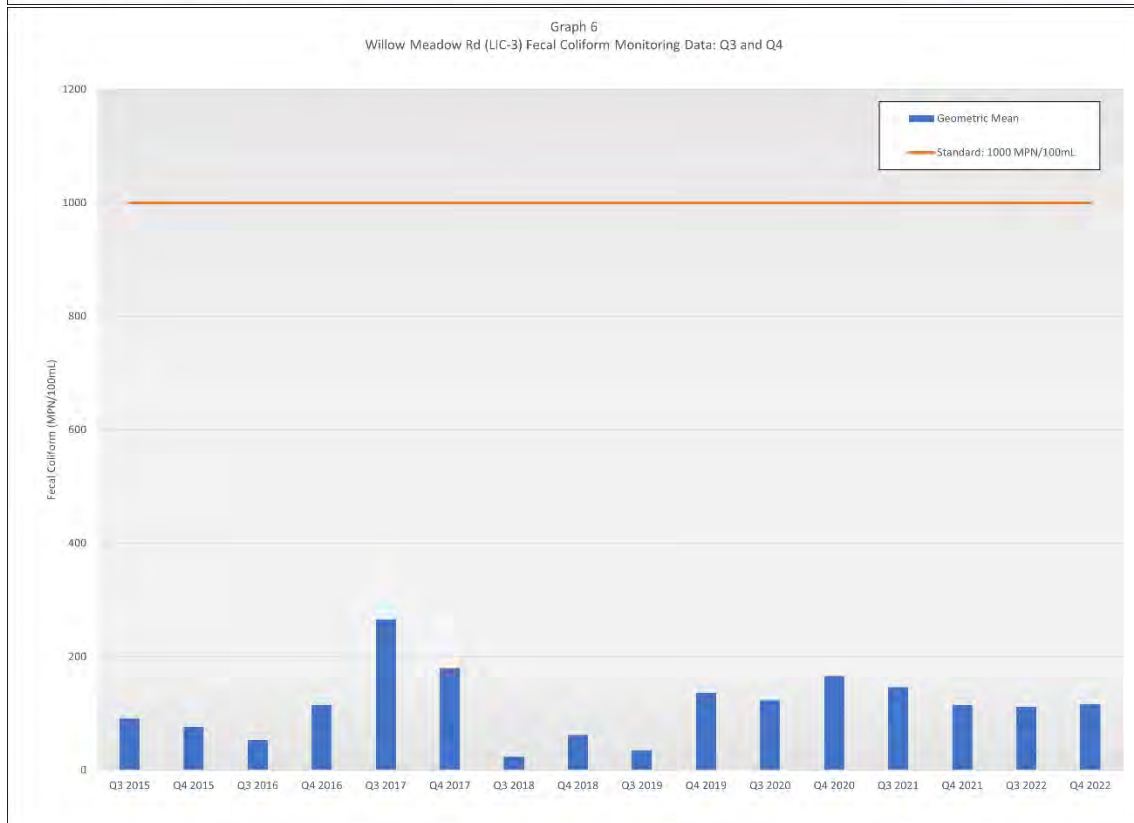
The two (2) most upstream monitoring stations in the Long Indian Creek watershed have higher levels of fecal coliform and levels appear to be remaining consistent or slightly increasing. The three (3) downstream stations indicate a clear improvement in fecal coliform levels in the years 2021 and 2022. This suggests that more fecal coliform loading is occurring in the upper areas of the watershed, where there is less riparian buffer and development is close to the stream, and improves as the water moves downstream, where there is a wide riparian buffer.

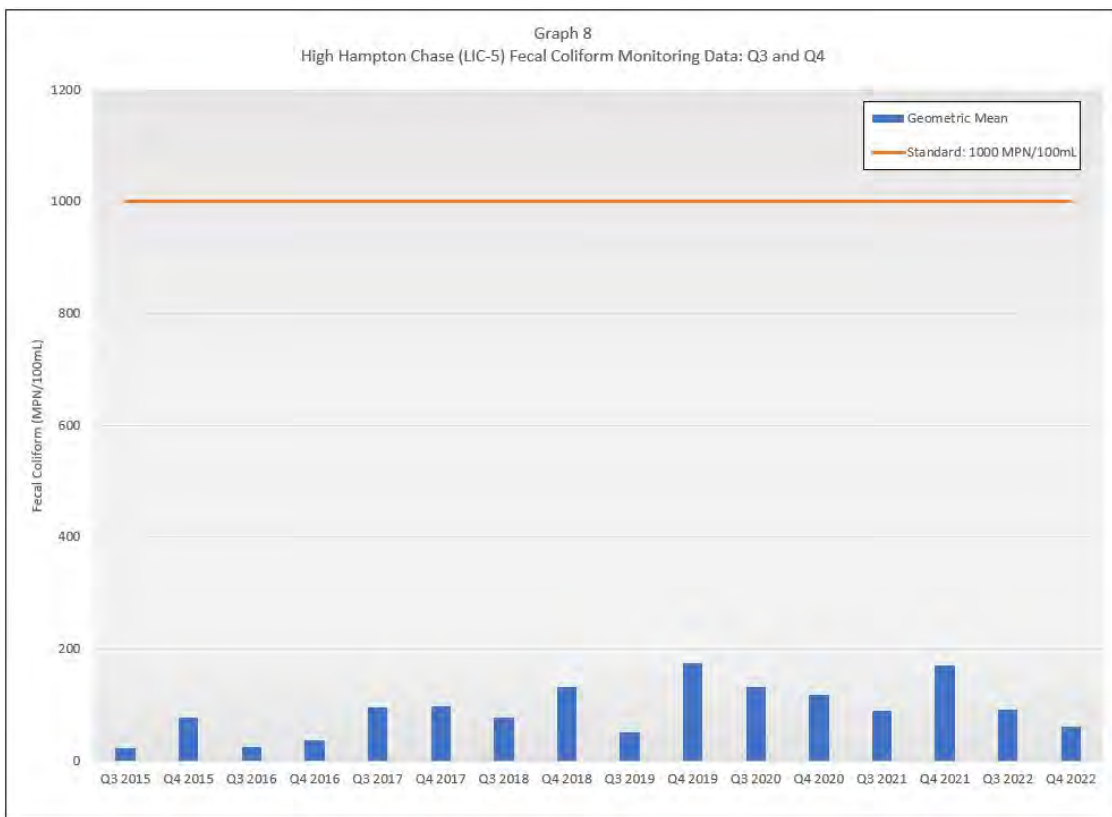
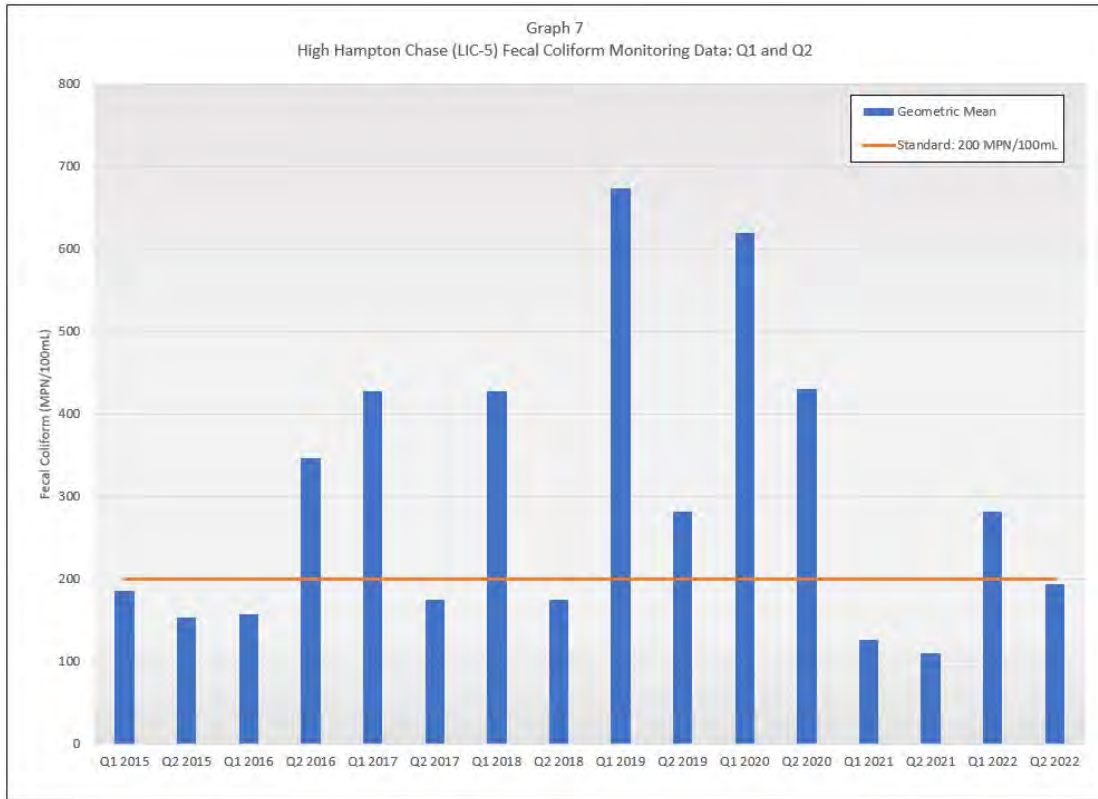
4.2.2 Chattahoochee River

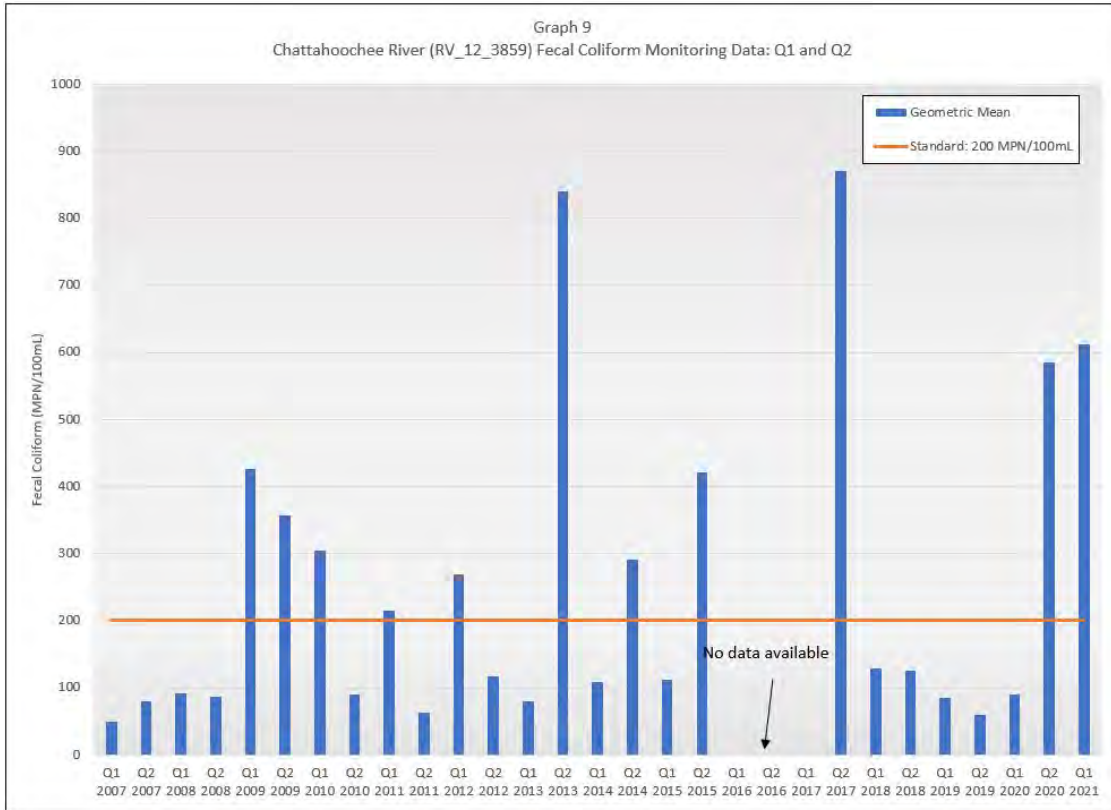
The fecal coliform data for the Chattahoochee River monitoring site at Holcomb Bridge Road is shown in Graphs 10 and 11. Since 2007 the data has exceeded the summer standard 11 times out of 26 monitoring periods. Note that data for Q1 2016 through Q1 2017 is unavailable. There were two (2) particularly large spikes in Q2 2013 and Q2 2017, although it is unknown if they were associated with weather events. Winter monitoring data remains well under the water quality standard.











5. POLLUANT LOAD REDUCTION

5.1 Load Reduction Goals

The primary goal of the Zone 1 Master Plan is to identify management strategies to reduce fecal coliform contamination within the Long Indian Creek watershed, as well as keeping pollutant levels throughout the zone 1 watershed from increasing. As noted in Section 3.3.3, the 2013 and 2017 TMDLs established for tributaries in the Chattahoochee River Basin determined the current load and reduction required to meet the TMDL. The portion of the Chattahoochee River bounding Zone 1 has had an established TMDL for fecal coliform since 2008. The available loadings are presented in Tables 5.1 and 5.2.

TABLE 5.1. FECAL COLIFORM TMDL LOAD REDUCTION GOAL

STREAM	Current Load (Counts/30 days)	Date of TMDL	TMDL Load (Counts/30 days)	Percent Reduction
Long Indian Creek	1,540 trillion	2013	80.9 trillion	95%
Chattahoochee River (Johns Creek to Morgan Falls Dam)	1,230 trillion	2008	532 trillion	57%

As noted in Section 3.3.2, Long Indian Creek and the Chattahoochee River are currently listed. The goal remains to reduce fecal coliform throughout Zone 1 to meet the fecal coliform reduction required in the 2008 and 2013 TMDLs.

5.2 Management Strategies

A variety of management strategies are necessary for mitigating fecal coliform contamination in Zone 1, including (1) source control measures, (2) riparian buffer preservation and enhancements, (3) non-structural BMPs, and (4) structural BMPs such as bioretention. A summary of each management strategy and recommendations are detailed below. Specific recommended structural BMP projects are presented in Section 6 of this Study.

5.2.1 Strategy #1 - Source Control Measures

City staff has been working to reduce the sources of fecal coliform contamination within Zone 1. The primary sources in the watershed are believed to be animal and human-generated waste. Critical activities for addressing fecal coliform sources include the following:

5.2.1.1 Pet Waste

The City adopted an amendment to the zoning ordinance to establish regulations governing pet waste disposal in 2021. While specific fecal coliform source tracking has not been conducted by the City, dogs are generally a significant source of fecal coliform in primarily residential watersheds such as Zone 1. The City has implemented a city-wide pet waste clean-up education

campaign and may consider more concentrated educational efforts that target the residential areas in the Johns Creek watershed.

The City may also consider partnering with homeowner associations (HOAs) and residential complexes for the installation and maintenance of pet waste stations (example pictured in Photo 1) within common areas. Multiple pet waste stations with water quality signage should be located throughout the City, especially at public parks or other public property with significant pedestrian activity to encourage proper disposal. Based on a review of information from pet waste product suppliers, allocating \$80,000 to this program would support the installation of 100 pet waste stations, signage, educational activities and waste disposal. Funding could potentially decrease in subsequent years to simply cover operation and maintenance of the stations.



Photo 1
Pet Waste Station

5.2.1.2 Waterfowl

While stormwater ponds do not usually provide sufficient food sources for waterfowl, they tend to congregate at urban ponds because people feed them. Canadian Geese prefer to inhabit ponds where the grass is mowed right to the waterline providing easy ingress and egress. The lack of vegetation also reduces natural predation.

The City should consider including warnings against feeding waterfowl as part of their public stormwater and water quality education program. In addition, modification of design standards associated with wet detention ponds such as requiring a three to five-foot native vegetation buffer zone around the pond can also help reduce potential fecal coliform contamination from waterfowl. In areas where the vegetated buffer has been mown or removed, the City should consider education and partnership with HOAs and residential complexes to restore the buffer.

5.2.1.3 Private Green Infrastructure

Controlling, treating and infiltrating residential and commercial runoff at the source can be an effective way to improve water quality when widely applied throughout a watershed. The City should consider leveraging their existing stormwater fee and/or grant funding to incentivize home and business owners in the Johns Creek watershed to add green infrastructure practices to their residences. Potential green infrastructure could include rain gardens, permeable driveways or sidewalks, rain barrels and downspout disconnection. If correctly installed and maintained, these practices typically result in pollutant reduction rates of 80% or more, which would support the 77% reduction goal of the TMDL.

Effectively implementing a private green infrastructure program would likely require education of and cooperation from the numerous Homeowner Associations (HOAs) throughout the watershed. Reductions in stormwater fees and/or cost-sharing of green infrastructure installation could be used to incentivize homeowners and HOAs to install these practices.

According to research by the Water Environment Federation (WEF), residential green infrastructure programs have construction costs (in 2023 dollars) of approximately \$245,000 per acre of impervious area treated. Communities that have implemented green infrastructure programs have taken a variety of approaches to cost sharing with the residents or businesses who choose to have green infrastructure practices installed. Table 5.3 shows the impact which \$500,000 of yearly funding by the City could have based on various cost sharing models. Zone 1 has approximately 1,200 acres of impervious area, so funding a green infrastructure program in this fashion could be expected to treat between 3 and 7 percent of total impervious area over a 20-year period in addition to the areas treated through the Capital program. Residential green infrastructure measures (rain gardens, rain barrels, downspout disconnects, etc.) are less expensive than non-residential features that would be expected to include BMP's that treat larger contiguous impervious areas such as parking and rooftops. Depending on funding availability and community interest, the yearly funding allocation could be increased to provide larger impacts on the watershed.

TABLE 5.3. GREEN INFRASTRUCTURE FUNDING IMPACTS

YEARLY GRANT FUNDING	COST SHARING MODEL	TOTAL FUNDS	IMPERVIOUS TREATED
\$500,000	100% City Funded	\$500,000	2.0 acres
\$500,000	20% Owner Match	\$600,000	2.4 acres
\$500,000	50% Owner Match	\$750,000	3.1 acres
\$500,000	Dollar for Dollar Match	\$1,000,000	4.1 acres

5.2.1.4 Sanitary Sewer Facilities

Most of the City is served by sanitary sewer facilities operated by Fulton County. As noted in Section 3.3.1 and in Figure 3-4 (Appendix A), there are no residential subdivisions within Zone 1 that appear to solely rely upon septic systems for waste disposal.

Fulton County notifies the City when sanitary sewer overflows (SSOs) occur, and that information can be used by the City to further document sources of fecal coliform impairment. Additionally, there may be areas with potential sanitary sewer leaks or overflows in less-developed areas of the Johns Creek Watershed that contribute to fecal coliform contamination during rain events.

The following outlines a strategy to address SSOs within the Zone 1 Watershed:

- Partner with Fulton County to implement a dry weather sampling program to identify sources of fecal coliform not associated with stormwater runoff in targeted areas.
- Begin screening for potential leaks or SSOs in less-developed areas of the watershed.
- Set up a GIS database with historic SSO events that is updated quarterly or annually.

- Update the Impaired Waters Plan to note that the downstream stream section has human sources contributing to fecal coliform impairment when an SSO occurs.
- Coordinate with Fulton County to prioritize manhole/collection system maintenance and repair on systems with repeat SSOs.
- Send City staff to inspect the SSO site after notification from Fulton County. The City should document location of the overflow, proximity to stream, and standing water/sewage in the GIS SSO database.

5.2.2 Strategy #2 - Riparian Buffer Preservation and Enhancements

Riparian buffers are important ecological zones around aquatic systems. Riparian zones provide (1) valuable habitat for terrestrial and aquatic plant and animal species, (2) filter pollutants from stormwater runoff, (3) provide stream bank stabilization, and (4) improve water quality and temperature in streams.

It is recommended that the City develop and implement a Riparian Area Management Plan (RAMP) for the riparian buffer zone currently owned by the City. The Riparian Area Management Plan should include the following elements for both stream and wet pond buffers:

- Invasive plant removal,
- Native species plantings,
- No-mow zones, and
- Educational signage in public access areas.

An example of educational signage from the City of Austin, Texas is pictured in Photo 2.

Cross departmental coordination for public utility rights-of-way and for City parks will also ensure proper care of riparian buffer zones for nutrient and bacterial removal and erosion prevention.



Photo 2.
City of Austin Grow
Zone Sign

5.2.3 Strategy #3 - Non-structural Best Management Practices

Implementation of non-structural BMPs should be an integral part of reducing pollutant and fecal coliform contamination in the City's waterways. Specific recommendations are noted below.

5.2.3.1 Existing Wetland Preservation

According to the US Fish and Wildlife Survey's (USFWS) National Wetland Inventory (NWI), approximately 62 acres of Freshwater Forested/Shrub Wetlands and Emergent Wetland are identified in Zone 1. It is important to preserve these wetlands as they provide water quality treatment for any stormwater runoff flowing through the wetlands as well as habitat for native plants and animals. Figure 5-1 (Appendix A) shows wetlands as documented by USFWS NWI from ArcGIS online dated April 2023.

5.2.3.2 Culvert and Drainage Ditch Maintenance

Fecal coliform can proliferate in conditions that are warm, shaded, and contain sufficient organic matter. Such conditions may be present within stormwater structures in the existing closed pipe system as well as open channels that are clogged with sediment and debris.

It is recommended that the City consider implementing an education program for maintenance of privately owned stormwater infrastructure as well as enhance the current maintenance plan for publicly owned infrastructure to clear debris and organic matter.

In addition to maintenance and education, the City should also seek opportunities to retrofit existing swales or ditches within public right-of-way to function as enhanced swales or linear bioretention areas (examples shown in Photos 3 and 4 below). According to Table 4.1.3-1 BMP Selection Guide of the Georgia Stormwater Management Manual, retrofits such as these can provide an average of 75% removal efficiency if correctly installed and maintained, exceeding the 61% reduction required by the TMDL.

According to research by the Water Environment Federation (WEF), green infrastructure incorporated with roadway improvements have construction costs (in 2023 dollars) of approximately \$165,000 per acre of impervious area treated. Investing \$500,000 of yearly funding would provide treatment for approximately 3 acres of impervious area. Based on GIS data provided by Johns Creek, approximately 200 acres of impervious are located within public rights-of-way within City limits, so funding ditch retrofits at this level could be expected to treat over 30 percent of right-of-way impervious area over a 20-year period in addition to the areas treated through the Capital program. Depending on funding availability and suitable sites, the yearly funding allocation could be increased to provide larger impacts on the watershed.



Photo 3
Enhanced Swale



Photo 4
Linear Bioretention

5.2.4 *Strategy #4 - Structural Best Management Practices*

Fecal coliform will continue to enter the drainage features throughout the watershed even with implementation of source reduction controls. Structural best management practices have been shown to reduce pollutant concentrations. The most effective BMPs for pollutant removal typically include multiple treatment mechanisms such as settling, filtration, UV exposure, and

microbial predation. Locating BMPs optimized for fecal coliform removal throughout Zone 1 in conjunction with source reduction will have a significant net impact on pollutant levels.

Table 5.4 provides the GAEPD recommended pollutant removal ranges as documented in Table 4.1.3-1 BMP Selection Guide of the Georgia Stormwater Management Manual. Pollutant removal is impacted by site and watershed characteristics as well as maintenance of the BMP. Removal estimates are included for the recommended structural BMPs in Section 6. Note that RSCs and stream enhancement (which are discussed in Section 6) are not defined in GAEPD’s guidance, so they were estimated based on the mechanisms of removal.

TABLE 5.4. GAEPD BMP POLLUTANT REMOVAL PERCENTAGES

BMP	Fecal coliform
Wet Pond	70%
Dry Pond	-
Wetland	70% - 85%
Bioretention Area	90%
Infiltration Trenches	100%
Sand Filters	40%
Bioslopes	60%
Stormwater Planters/Tree Boxes	80%
Stream Restoration*	10%

The following BMPs are recommended to remediate fecal coliform contamination Zone 1.

5.2.4.1 Bioretention

Bioretention areas are shallow areas designed to capture and infiltrate the water quality runoff volume in smaller areas. Bioretention cells have many different pollutant removal mechanisms, including infiltration, plant uptake, microbial action, filtration, and evapotranspiration to name a few. Therefore, they have a high potential for treating contaminated runoff. Bioretention cells are also versatile as they may be installed in a variety of different soil types. Specific bioretention BMP projects are presented in Section 6.

5.2.4.2 Stream Restoration

In an urban environment, full stream restoration is often limited due to space requirements and expense. However, providing stream enhancements like those listed below will improve water quality and pollutant removal in an urban environment:

- In-stream structures to improve the aquatic habitat,
- Removing invasive species and replanting with native vegetation,
- Benching to reconnect to the natural floodplain, and
- Providing proper outlet control to reduce erosive velocities.

Where possible, the City should consider daylighting existing pipe into open channel streams with the recommended stream enhancements to improve water quality and remediate bacterial contamination. Specific projects recommended for implementation within Zone 1 are outlined in Section 6. Photo 5 shows a stream restoration project that included enhancements noted above.



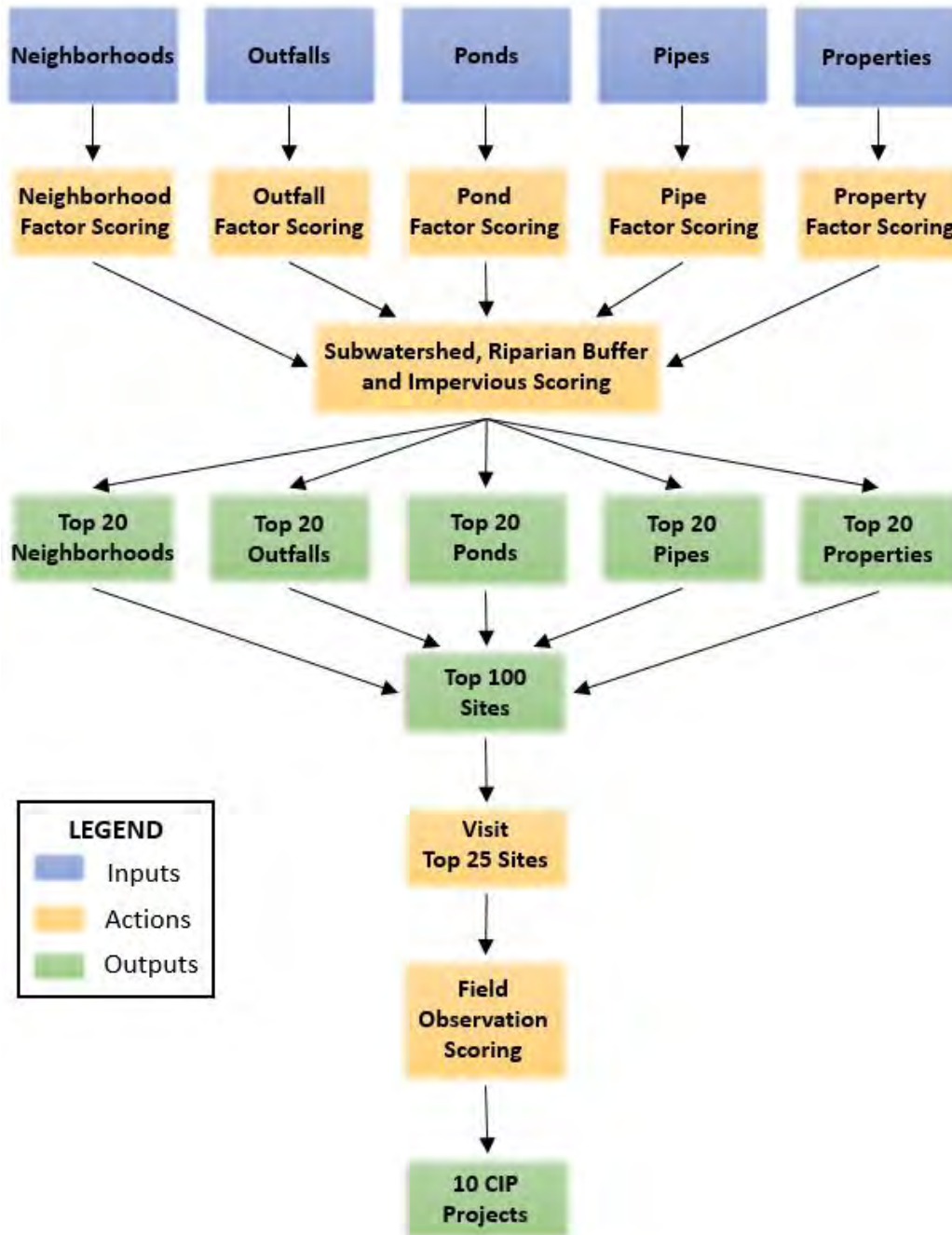
*Photo 5
Completed Stream Restoration*

5.2.4.3 Planters/Rain Gardens

Bioretention cell planters are commonly associated with green street designs and provide the most water quality and landscape value to a site. When installed retroactively, they often involve curb cuts to direct stormwater from the curb and gutter into a linear, recessed landscaped strip along a road or parking lot. Compared to the standard bioretention design, the bioretention cell planter has concrete walls, maximizing its treatment volume and minimizing its footprint. The landscaped area is planted with native ornamental grasses, flowering herbs and shrubs, and a tree or two. Stormwater fills the cell, infiltrates through a highly permeable soil media, and pollutants are filtered out. The water slowly seeps into the underdrain and back into the stormwater pipe system. The bioretention planter is an excellent choice for a green street installation given the degree of water quality benefit and landscape value they add to the streetscape. Signage can be added to educate pedestrians on the purpose and encourage interaction—try to identify a plant species, look for butterflies, smell the flowers, etc. Creative designs incorporate bioretention cells into roadway medians, traffic calming bump-outs, pedestrian refuge islands, boulevard and building downspout planters, traffic circle centers, and more. Public art installation and educational signage can elevate the project’s reception even further.

6. WATERSHED STUDY IMPLEMENTATION

In order to prevent further degradation of the water quality and fishing habitat, and to improve the existing contamination in Zone 1, several source control measures, non-structural BMPs, and several types of structural BMPs have been identified. This Section presents the prioritization methodology used to identify high priority subwatersheds for structural BMP projects as well as the prioritization process for identifying the top priority structural BMPs. The flow chart below represents the overall prioritization process detailed in Section 6.



6.1 Existing City BMPs

The City has over 170 publicly and privately-owned green infrastructure/water quality BMPs located throughout Zone 1. The green infrastructure practices and water quality BMPs shown in Figure 6-1 (Appendix A) include the following:

- Wet Detention Pond
- Bioretention

- Micropool Extended Detention Pond
- Infiltration Trench
- Dry Detention Pond
- Underground Detention

6.2 Subwatershed Prioritization

In order to identify target areas within Zone 1 to address pollutant loading, 32 subwatersheds were delineated based on smaller tributaries or major road crossings. These subwatersheds were evaluated and prioritized into three groups (High, Medium, or Low) based on the percent residential land use within the subwatershed, percent of public land within the subwatershed, impairment status of the stream and the presence of FEMA 100-year floodplains. The prioritization rating system is shown in Table 6.1.

TABLE 6.1. SUBWATERSHED PRIORITIZATION RATING SYSTEM

CATEGORY	RATING	DESCRIPTION
LAND USE	3	% of subwatershed > 60% Residential/Mixed
	2	% of subwatershed 20 – 60 % Residential/Mixed
	1	% of subwatershed < 20% Residential/Mixed
PUBLIC LAND	3	% of subwatershed > 20% publicly owned
	2	% of subwatershed 10 - 20% publicly owned
	1	% of subwatershed 0 - 10% publicly owned
	0	No publicly owned land present
100-YEAR FLOODPLAIN	3	% of subwatershed > 20% within floodplain
	2	% of subwatershed 10 - 20% within floodplain
	1	% of subwatershed 0 - 10% within floodplain
	0	No floodplain present
IMPAIRMENT STATUS	6	Impaired stream fully within Johns Creek jurisdiction
	1	Impaired stream outside Johns Creek jurisdiction
	0	Not impaired

Based on the rating system developed in Table 6.1, each subwatershed was assigned a score. The subwatersheds were then prioritized into High, Medium, and Low groups based on the total score. Since Zone 1 does not contain any impaired streams fully within Johns Creek jurisdiction, the groups were adjusted to the following:

1. High: Total Score 8 - 10
2. Medium: Total Score 5 - 7
3. Low: Total Score 0 – 4

Table 6.2 and Figure 6-2 (Appendix A) indicate the areas within Zone 1 that should be targeted for pollutant reduction.

TABLE 6.2. SUBWATERSHED RATINGS

SUBWATERSHED	LAND USE RATING	PUBLIC LAND RATING	FLOODPLAIN RATING	IMPAIRMENT RATING	TOTAL SCORE	PRIORITY
CHATTAHOOCHEE TRIBUTARY AT LAKE GLEN CT (CR-1)	2	3	2	1	8	HIGH
CHATTAHOOCHEE TRIBUTARY 76 (CRT76-1)	2	1	3	1	7	MEDIUM
CHATTAHOOCHEE RIVER AT CITADELLA CT (CR-2)	3	2	1	1	7	MEDIUM
AUTREY MILL CREEK AT CROFT CT. (AMC-2)	2	3	1	1	7	MEDIUM
CHATTAHOOCHEE TRIBUTARY 76.6 (CRT76.6)	2	3	0	1	6	MEDIUM
CHATTAHOOCHEE TRIBUTARY 76.7 (CRT76-7)	3	2	0	1	6	MEDIUM
CHATTAHOOCHEE TRIBUTARY 77 (CRT77)	3	1	1	1	6	MEDIUM
AUTRY UT (AMUT)	1	3	1	1	6	MEDIUM
LONG INDIAN CREEK (LIC-1)	3	1	1	1	6	MEDIUM
CHATTAHOOCHEE TRIBUTARY 78 (CRT78)	3	0	2	1	6	MEDIUM
AUTREY MILL CREEK TRIBUTARY 2 (AMCT2)	1	3	1	1	6	MEDIUM
CANEY CREEK TRIBUTARY 3 (CC-1)	3	0	1	1	5	MEDIUM
CHATTAHOOCHEE TRIBUTARY 76.2 (CRT76.2)	3	0	1	1	5	MEDIUM
AUTREY MILL CREEK TRIBUTARY 4 (AMCT4)	2	1	1	1	5	MEDIUM

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SUBWATERSHED	LAND USE RATING	PUBLIC LAND RATING	FLOODPLAIN RATING	IMPAIRMENT RATING	TOTAL SCORE	PRIORITY
AUTREY MILL CREEK TRIBUTARY 5 (AMCT5)	3	0	0	1	4	LOW
CHATTAHOOCHEE TRIBUTARY 76 AT COLONY RIDGE PL (CRT76-3)	3	0	0	1	4	LOW
CHATTAHOOCHEE TRIBUTARY 76.1 (CRT76.1)	3	0	0	1	4	LOW
CHATTAHOOCHEE TRIBUTARY 76 AT GANGES CT. (CRT76-4)	3	0	0	1	4	LOW
CHATTAHOOCHEE TRIBUTARY 76.3 (CRT76.3)	3	0	0	1	4	LOW
CHATTAHOOCHEE TRIBUTARY 76.4 (CRT76.4)	3	0	0	1	4	LOW
CHATTAHOOCHEE TRIBUTARY 76.7 (CRT76.7)	3	0	0	1	4	LOW
CHATTAHOOCHEE TRIBUTARY 76.5 (CRT76.5)	3	0	0	1	4	LOW
CHATTAHOOCHEE TRIBUTARY 76 AT ARBORSIDE CT. (CRT76-5)	3	0	0	1	4	LOW
CHATTAHOOCHEE TRIBUTARY 76 AT HOLYROOD WY. (CRT76-6)	3	0	0	1	4	LOW
CHATTAHOOCHEE TRIBUTARY 79 (CRT79)	3	0	0	1	4	LOW
AUTREY MILL CREEK TRIBUTARY 6 (AMCT6)	3	0	0	1	4	LOW
AUTREY MILL CREEK AT GROVEHURST DR. (AMC-3)	3	0	0	1	4	LOW
BIG CREEK TRIBUTARY 9.1 (BCT9.1)	3	0	1	0	4	LOW
LONG INDIAN CREEK TRIBUTARY 3 (LICT3)	3	0	0	1	4	LOW
AUTREY MILL CREEK TRIBUTARY 1 (AMCT1)	3	0	0	1	4	LOW
CHATTAHOOCHEE TRIBUTARY AT	2	0	0	1	3	LOW

SUBWATERSHED	LAND USE RATING	PUBLIC LAND RATING	FLOODPLAIN RATING	IMPAIRMENT RATING	TOTAL SCORE	PRIORITY
WENTWORTH CT. (CRT76-2)						
AUTREY MILL CREEK TRIBUTARY 2 (AMC-1)	1	0	0	1	2	LOW

6.3 Desktop BMP Site Identification

In order to identify potential locations for structural BMP improvements, desktop analysis was performed in GIS using a wide range of GIS data provided by the City. Five potential project types were chosen for desktop analysis: neighborhood right-of-way (ROW) water quality retrofits, outfall retrofits, existing pond retrofits, piped infrastructure improvements, and buyout properties for floodplain reconnection or stream restoration. The factors for each of these types of projects are shown in Tables 6.3 – 6.7.

TABLE 6.3. NEIGHBORHOOD ROW RETROFIT CRITERIA

Factor	Score	Description	Explanation
Average Lot Size	0	< 0.25 ac	Larger lots means less property owner coordination and fewer driveway impacts
	5	0.25 - 0.33 ac	
	10	0.34 - 0.50 ac	
	15	0.51 - 0.75 ac	
	20	> 0.75 ac	
Average Road Slope	5	>4.5%	Flatter roads are more conducive to retrofits
	10	3.5% - 4.5%	
	15	2.0% - 3.5%	
	20	<2%	
Average Road Width	5	<20 ft	Roads less than 20' are too narrow, wider than 31' usually have street parking
	10	>31 ft	
	15	20 - 24.9 ft	
	20	25 - 30.9 ft	
Average ROW Width	5	<7 ft	Greater ROW width means more space for retrofits
	10	7 - 11.9 ft	
	15	12 - 17.9 ft	
	20	>18 ft	
Average Road Length	5	<1000 ft	Longer road length means more space for retrofits
	10	1000 - 5280 ft	
	15	5281 - 12000 ft	
	20	>12000 ft	
Total Score = Lot Size + Road Slope + Road Width + ROW Width + Road Length			
Maximum Score = 100			

TABLE 6.4. OUTFALL RETROFIT CRITERIA

Factor	Score	Description	Explanation
Pipe Size*	4	<= 24"	Larger pipe size likely associated with larger drainage area
	8	36" - 47"	
	12	>= 48"	
Utility Conflicts (Water & Sewer only)	4	Yes	Fewer utility conflicts should aid with constructability
	12	No	
Percent of Retrofit Footprint Outside Stream Buffer	0	Outfall in Buffer	Preference would be to construct the retrofit outside the stream buffer
	4	0% - 33%	
	8	33% - 66%	
	12	67% - 100%	
Average Slope of Retrofit Footprint	4	>15%	Flatter area to build retrofit is preferable
	8	10-15%	
	12	<10%	
Adjacent Outfalls	4	0	Can multiple outfalls be treated with one retrofit?
	8	1	
	12	>=2	
Tree Cover	4	Yes	Less trees should aid with constructability
	12	No	
Property Owner	4	Private	Publicly maintained outfalls are preferable
	20	State	
	24	EOS Eligible	
	28	City	
Total Score = Pipe Size + Utility Conflicts + Percent Outside Buffer + Average Slope + Adjacent Outfalls + Tree Cover + Property Owner			
Maximum Score = 100			
*Note – Outfalls on single pipe segments were excluded			

TABLE 6.5. POND RETROFIT CRITERIA

Factor	Score	Description	Explanation
Property Owner	0	Private – Non-residential	Publicly maintained ponds are preferable
	5	Private – Residential/Institutional	
	20	County	
	25	City	
Drainage Area	6	<10 ac	Larger potential drainage area is more efficient
	12	10 - 25 ac	
	18	25 - 50 ac	
	25	>50 ac	
Retrofit Potential	12	Wet Detention	Dry Ponds are easier to retrofit
	25	Dry Detention	
Age	5	<10 years	Retrofitting older ponds may provide more benefit
	15	10 - 25 years	
	25	>25 years/Unknown	
Total Score = Property Owner + Drainage Area + Retrofit Potential + Age			
Maximum Score = 100			

TABLE 6.6. PIPE IMPROVEMENT CRITERIA

Factor	Score	Description	Explanation
Undersized	0	No	Is pipe smaller than upstream pipes?
	7	Yes	
Overtopping Event	0	100 year/Data Unavailable	Did prior modeling show pipe overtopping in event less than 100 years?
	2	50 year	
	3	25 year	
	4	10 year	
	5	5 year	
	7	2 year	
Pipe Size (Diameter x Barrels)	0	Unknown	Smaller pipes are more desirable for water quality projects, large pipes likely already in CIP
	1	>60"	
	2	49" - 60"	
	3	37" - 48"	
	4	25" - 36"	
	5	0" - 24"	
CMP	0	No	CMP pipes need to be replaced
	10	Yes	
Owner	0	Private	Publicly maintained pipes are preferable
	5	County/State	
	10	EOS Eligible	
	15	City	
Condition	0	Excellent/Unavailable	Condition Score from Johns Creek Data
	1	Great	
	2	Good	
	3	Fair	
	4	Poor	
	5	Immediate Concern	
Total Score = (Undersized + Overtopping) x Pipe Size + (CMP + Owner + Condition)			
Maximum Score = 100			

TABLE 6.7. BUYOUT PROPERTY CRITERIA

Factor	Score	Description	Explanation
Percent in Floodplain	4	0-20%	Buyout would potentially be more beneficial for areas mostly in floodplain
	8	20% - 40%	
	12	40% - 60%	
	16	60% - 80%	
	20	80% - 100%	
Cost per Acre	4	> \$5,000,000	Cost of buyout
	8	\$1,000,000 - \$5,000,000	
	12	\$500,000 - \$1,000,000	
	16	\$100,000 - \$500,000	
	20	\$0 - \$100,000	
Parcel Area	4	<1 acre	Larger parcels give more opportunity for beneficial impact
	8	1 – 5 acres	
	12	5 – 15 acres	
	16	15 – 20 acres	
	20	Over 20 acres	
Ownership	4	Private	Public or adjacent land allows for lower impact on potential development
	12	Adjacent to Public Property	
	20	Public	
Stream Length	0	0 feet	More stream on property allows for more opportunity for restoration
	4	< 100 feet	
	8	100 – 500 feet	
	12	500 – 1000 feet	
	16	1000 – 2000 feet	
	20	>2000 feet	
Total Score = Floodplain percent + Cost + Area + Ownership + Stream length			
Maximum Score = 100			

Three weighting factors were also considered to help rank potential projects against each other: subwatershed that the project is located in, condition of adjacent riparian buffers, and proximity to large impervious areas. The scoring for each of these factors is shown in Tables 6.8 – 6.10.

TABLE 6.8. SUBWATERSHED WEIGHTING CRITERIA

Factor	Score	Description	Explanation
Land Use	1	< 20% Residential	Residential areas are likely the primary fecal contributor due to pet waste
	2	20% - 60% Residential	
	3	>60% Residential	
Presence of Public Land	0	Not Present	More public land offers more opportunities for retrofits
	1	0% - 10%	
	2	10% - 20%	
	3	>20%	
Presence of FEMA Floodplain	0	Not Present	More floodplain indicates watershed may be more prone to flooding
	1	0% - 10%	
	2	10% - 20%	
	3	>20%	
Impairment Status	0	Not Impaired	Impaired streams are the focus of the master plan
	1	Impaired stream outside City jurisdiction	
	6	Impaired stream within City jurisdiction	
Total Score = Land Use + Public Land + Floodplain + Impaired			
Maximum Score = 15			

TABLE 6.9. RIPARIAN BUFFER CONDITION WEIGHTING CRITERIA

Factor	Score	Description	Explanation
Land Cover	0	Tree Cover >= 50%, no Impervious	Impervious area in the riparian buffer may indicate poor stream quality
	4	Tree Cover <= 50%, no Impervious	
	9	Impervious > 0%	

TABLE 6.10. IMPERVIOUS AREA WEIGHTING CRITERIA

Factor	Score	Description	Explanation
Contiguous Impervious Area	0	<0.5 ac	Larger contiguous impervious areas may offer more efficient opportunity for water quality retrofit
	1	0.5 ac - 15 ac	
	3	15 ac - 30 ac	
	5	30 ac - 45 ac	
	7	45 ac - 60 ac	
	9	>60 ac	

The top scoring projects from each project type had their project scores multiplied by the combination of the weighting factors to generate a final score, as shown in the formula below.

$$\text{Final Score} = \text{Normalized Score} \times (\text{Subwatershed} + \text{Riparian Buffer} + \text{Impervious Area})$$

Maximum Score = 3300

The results of the desktop analysis are contained in Appendix E as well as the deliverable GIS database.

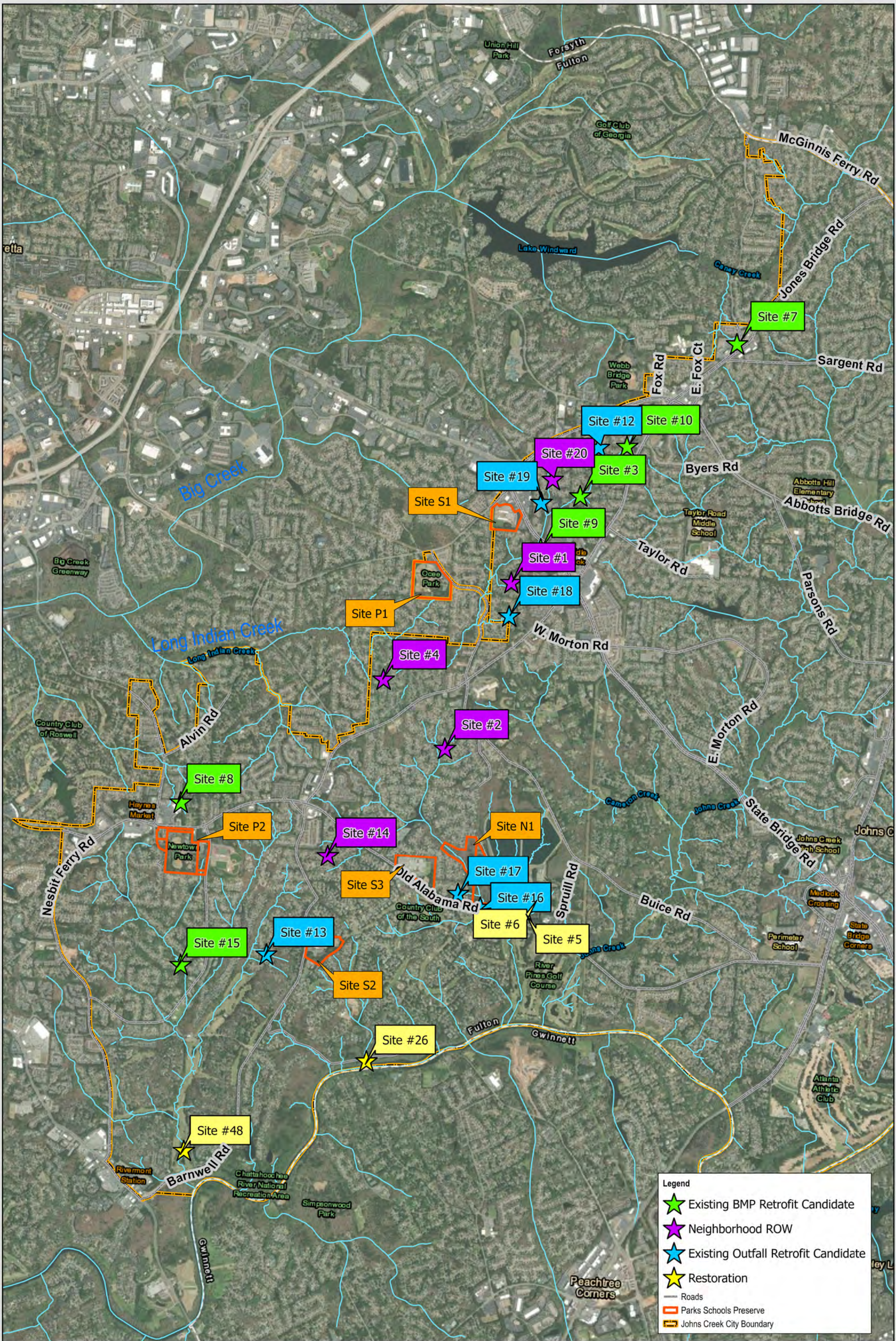
The twenty (20) sites with the highest final scores were selected for field investigation, as shown in Figure 6-3 on the following page. Additionally, six (6) parks and schools were selected due to the potential for retrofits that provide educational benefits to the public and do not require property acquisition. Twenty-four (24) sites were actually visited in person. One remaining site was on a private golf course with restricted access, while the other was a pipe outfall which appeared to be incorrectly digitized and could not be located in the field. GIS data, aerial photographs and Google Street View were utilized where available to assess the feasibility of projects at the private sites. Photos and notes from the field investigation are included in Appendix F. Note that while 25 sites were assessed for project feasibility, conceptual plans were only developed for the top ten sites based on the information gathered in the field, as detailed in Section 6.4.

6.4 Structural BMP Prioritization

The twenty-five (25) retrofit sites identified through GIS desktop analysis were further prioritized upon completion of the field investigation. The initial conceptual analysis of each project was evaluated through a prioritization process. A summary of the prioritization criteria used in the initial evaluation is noted below and documented in Table 6.11.

- **Property Ownership:** Location of the proposed project and whether it is situated on publicly or privately-owned land.
- **Drainage Area:** The approximate amount of drainage acreage treated by the proposed project.
- **Pollutant Removal Efficiency:** Based upon the fecal coliform removal efficiency of the BMP.
- **Constructability:** Evaluation of potential utility conflicts, stream impact or other construction impediment.
- **Tree Cover:** Based on the current estimated tree cover of the site.
- **Ease of Access:** Level of difficulty to bring maintenance equipment to the site and whether or not paved access roads or paths are fully or partially available.
- **Permittability:** Based on the location and type of project, an evaluation of whether local/State or Federal permits may be required. A less desirable score involves Federal permits.

- **CIP Integration:** The integration of a proposed water quality project with existing stormwater pipes ranked highly on the City’s CIP prioritization scale.



Legend

- ★ Existing BMP Retrofit Candidate
- ★ Neighborhood ROW
- ★ Existing Outfall Retrofit Candidate
- ★ Restoration
- Roads
- Parks Schools Preserve
- Johns Creek City Boundary

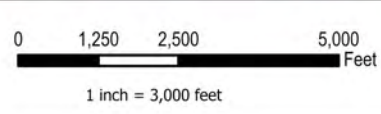


Figure 6-3. Field Investigation Locations
CITY OF JOHNS CREEK
STORMWATER MASTER PLAN

TABLE 6.11. PROJECT PRIORITIZATION RATING SYSTEM

CATEGORY	RATING	DESCRIPTION
LAND OWNERSHIP	3	Public
	2	1 Commercial Landowner or 1 Private Owner with prior interest in cooperation
	1	1 Private Landowner/HOA/Golf Course
	0	2+ Private Landowners
DRAINAGE AREA	4	> 50 Acres
	3	25 - 50 Acres
	2	10 - 25 Acres
	1	< 10 Acres
POLLUTANT REMOVAL EFFICIENCY	10	Infiltration Trenches
	9	Bioretention
	8	Stormwater Planters/Tree Boxes
	7	Wetland
	7	Stream Enhancement
	6	Pond Enhancement
	4	Bioslope/Regenerative Stormwater Conveyance
	3	Sand Filter
	1	Daylighting Pipe
0	Pipe Replacement	
CONSTRUCTABILITY	3	Minimal utility conflicts
	2	Stream impact or other construction impediment
	1	Potential re-alignment of utilities
TREE COVER	5	Open
	4	<25% Covered
	3	25% - 50% covered or new growth only
	2	50% - 75% covered
	1	>75% covered
EASE OF ACCESS	4	Simple; Direct access with existing roads; paved paths
	2	Moderate; Partially accessibly via paved roadways
	1	Difficult; Construction/maintenance access must be developed
PERMITTABILITY	3	Anticipated only local permits
	2	State buffer variance required
	1	Federal permits potentially required
CIP INTEGRATION	4	CIP Prioritization Score 80-100
	3	CIP Prioritization Score 60-80
	2	CIP Prioritization Score 40-60
	1	CIP Prioritization Score 20-40
	0	CIP Prioritization Score 0-20 or not scored

The project prioritization criteria were then weighted based on the factors important to the City. Weighting factors are shown in Table 6.12. The maximum score a project may receive is 100 points.

TABLE 6.12. WEIGHTING FACTOR FOR PROJECT PRIORITIZATION CRITERIA

Criteria	Weighting Factor
LAND OWNERSHIP	6
DRAINAGE AREA	2
FECAL COLIFORM REMOVAL EFFICIENCY	3
CONSTRUCTABILTY	5
TREE COVER	2
EASE OF ACCESS	1
PERMITTABILITY	1
CIP INTEGRATION	3

6.5 Structural BMP Recommendations

The top ten water quality improvement projects were identified and then evaluated based on the project prioritization criteria. The ten recommended projects to address fecal contamination within Zone 1 are summarized in Tables 6.13 through 6.15 and shown in Figure 6-4 (Appendix A). These projects include bioretention areas, regenerative stormwater conveyances, dry pond improvements, rain gardens, stream enhancement, and pipe replacement.

Project Fact Sheets and GIS Maps for each of the 10 proposed water quality improvement projects are provided in Appendix C. Planning level cost estimates are provided in Appendix D. Real estate costs are calculated as follows:

TABLE 6.13. REAL ESTATE COST BASED ON PROJECT PROPERTY OWNERSHIP

Project Property Ownership	Real Estate Cost
Project completely located on public property with no impacts to private property	0% of construction cost
Project completely located on public property with temporary construction impacts to private property	1% of construction cost
Project located partially on public property and partially on private property assuming easements would be acquired on private property	5% of construction cost
Project located on private property with easement acquisition	10% of construction cost
Project located on private property requiring property acquisition	% of total tax value based on % of property utilized for project

TABLE 6.13. RECOMMENDED WATER QUALITY PROJECTS

Project ID	Project Name	Subwatershed Priority	Hydrologic Location	Prioritization Score	Total Cost
Site No. S2	Barnwell Elementary Bioretention	Medium	Chattahoochee Tributary 77 (CRT77)	79	\$193,000
Site No. S3	Autrey Mill Middle Bioretention	Medium	Autrey Mill Creek at Old Alabama Road (AMC-2)	79	\$370,000
Site No. S1	Ocee Elementary Bioretention	Medium	Long Indian Creek (LIC-1)	75	\$186,000
Site No. P2	Newtown Park Bioretention, RSC and Pond Improvements	Medium	Chattahoochee Tributary 76.6 (CRT76.6)	71	\$840,000
Site No. 12	Hampton Square Bioretention	Medium	Long Indian Creek (LIC-1)	68	\$112,000
Site No. P1	Ocee Park Bioretention, Bioswale and Stream Restoration	Medium	Long Indian Creek (LIC-1)	67	\$483,000
Site No. 20	Brookhollow Rain Garden	Medium	Long Indian Creek (LIC-1)	59	\$64,000
Site No. 10	Churchill Downs Bioretention	Medium	Long Indian Creek (LIC-1)	58	\$91,000
Site No. 15	Hartridge Bioretention	Low	Chattahoochee Tributary 76 at Brumbelow Road (CRT76-5)	56	\$186,000
Site No. 5/6/11	Atlanta/Fulton County WTP Stream Restoration and Pipe Replacement	Medium	Autrey Mill Creek Tributary 2 (AMCT2)	56	\$524,000

TABLE 6.14. RECOMMENDED WATER QUALITY PROJECT FECAL REMOVAL CALCULATIONS

Project ID	Project Name	Drainage Area (ac)	Percent Impervious	Percent of Required WQV Available ¹	Full Removal Efficiency ²	Adjusted Removal Efficiency ³
Site No. S2	Barnwell Elementary Bioretention	0.7	58%	186%	90%	90%
Site No. S3	Autrey Mill Middle Bioretention	0.9	63%	195%	90%	90%
Site No. S1	Ocee Elementary Bioretention	0.7	46%	217%	90%	90%
Site No. P2	Newtown Park Bioretention, RSC and Pond Improvements	13.4	38%	71%	90%/60%/70%	49%
Site No. 12	Hampton Square Bioretention	0.6	50%	82%	90%	74%
Site No. P1	Ocee Park Bioretention, Bioswale and Stream Restoration	12	26%	73%	90%/60%/10%	38%
Site No. 20	Brookhollow Rain Garden	0.5	43%	213%	80%	80%
Site No. 10	Churchill Downs Bioretention	0.3	58%	67%	90%	60%
Site No. 15	Hartridge Bioretention	1.0	40%	293%	90%	90%
Site No. 5/6/11	Atlanta/Fulton County WTP Stream Restoration and Pipe Replacement	5.8	8%	540%	10%	10%

1. Required WQV calculated from Driscoll equation. Proposed WQV calculated from the proposed BMP footprint with one foot of depth.
2. Removal efficiency of the BMP type from the GAEPD handbook.
3. Full removal efficiency factored by the percent of required WQV available, up to 100%.

6.6 Top 3 Recommended Projects

Based upon the prioritization scores for the 10 proposed water quality improvement projects, the following projects scored in the top 3:

- Site No. S2 Barnwell Elementary Bioretention (Score of 79)
- Site No. S1 Autrey Mill Middle Bioretention (Score of 79)
- Site No. S3 Ocee Elementary Bioretention (Score of 75)

6.6.1 Barnwell Elementary Bioretention

Barnwell Elementary School off Barnwell Road south of Aubusson Trace has an open grassed area south of the parking lot on the south side of the school. This area would provide an ideal location for a bioretention cell to treat the runoff from the highly impervious area surrounding the school and form a treatment train with the existing detention pond. The location would also provide an educational benefit to students of the school, allowing them to learn about water quality and the importance of stormwater management. Additional conceptual details and cost are included in Appendices C and D.

6.6.2 Autrey Mill Middle Bioretention

Another school within Zone 1 is Autrey Mill Middle School, located off Old Alabama Road east of Jones Bridge Road. The school has a large parking area to the west with no existing water quality treatment. Existing medians in the parking area could be converted to bioretention cells and tied to existing drainage running through the parking lot. This project would also provide education benefits to students and faculty at the school, and help to treat a large impervious area without acquisition of private property. Additional details may be found in the Project Fact Sheet and Map located in Appendix C and the planning level costs located in Appendix D.

6.6.3 Ocee Elementary Bioretention

Ocee Elementary School is located on the far western edge of Zone 1, near the intersection of State Bridge Road and Kimball Bridge Road. The parking lot and drive on the east side of the school have a large median where a bioretention cell could be installed. The circle at the southern end of the drive would likely have the least tree and electrical impacts, but further cells could be installed throughout the median if desired. The median is in a highly visible and well trafficked location and would provide an educational opportunity for the school community. Additional details for the improvements are provided in the Project Fact Sheet located in Appendix C and the planning level costs found in Appendix D.

6.7 Implementation

Implementation of the Zone 1 Master Plan will assist the City in achieving their long-term goal of reducing fecal contamination within the watershed. Implementation of the Master Plan includes the following:

- Assigning responsible parties to oversee each of the four management strategies,

- Selection and monitoring of progress measurement criteria,
- Developing short, medium, and long-term milestones for primary tasks,
- Assessing pollutant reductions through water quality monitoring, and
- Monitoring the implementation and success of each management strategy.

Management strategies were discussed in Section 5.2 and recommendations for specific structural BMPs were presented in Section 6.4 and 6.5 of this Study. Additional implementation mechanisms are presented below.

6.7.1 Schedule and Primary Tasks

Recommendations for primary implementation tasks and frequency of those tasks for the Zone 1 Master Plan are included in Table 6.15. The primary tasks provide an outline for implementation. A key component is assigning a responsible party for each of the management strategies the City will implement. In addition, developing a GIS database to document and maintain implementation of specific management strategies will assist the City in overall management of the Study.

TABLE 6.15. PROJECT SCHEDULE FOR PRIMARY TASKS

Primary Task	Frequency
Approve and Adopt the Zone 1 Master Plan	Once
Assign Responsible Parties for each Management Strategy	Once; Update as needed
City Water Quality Monitoring	Ongoing
WQ Data Review	Quarterly
Updates to Study	Annually
Develop GIS Database for Management Strategies	Once
Update to GIS Database	Semi-Annual
Pet Waste Education Campaign	Ongoing
Maintain Management Matrix	Semi-Annual
Update Master Plan	Every 5 years
Applications for Funding WQ Projects	As projects are approved by the City

6.7.2 Project Milestones

A management matrix such as the one shown in Table 6.16 should be developed for each management strategy with short, medium, and long-term goals. The management matrix should be updated semi-annually. In addition to developing milestones, progress measurement criteria may be established for each management strategy. Some examples include:

Strategy #1: Source Control

Pet Waste – The number of pet waste stations installed in public parks and high-density residential developments and/or the current pet waste campaign for Johns Creek.

Waterfowl – The number of wet ponds with properly maintained buffers.

Private Green Infrastructure – The number of green infrastructure practices installed by businesses or homeowners in Zone 1.

Sanitary Sewer Facilities –Implementation of a program with Fulton County to evaluate the impact of sanitary sewers on fecal coliform impairment in streams.

Strategy #2: Riparian Buffer Preservation

Riparian Area Management Plan – Development of this document and intra-City agreements on no mow zones in public utility rights-of-way. Additionally, the number of riparian buffer zones established with native plants around public ponds.

Strategy #3: Non-Structural Stormwater Controls

Wetland Preservation – Acres of wetlands preserved through acquisition or easements.

Strategy #4: Structural Best Management Practices

BMPs – The number of water quality projects incorporated in the City CIP.

TABLE 6.16. MANAGEMENT MATRIX

Management Strategy	Responsible Party	Estimated Cost	Possible Funding Sources	Milestones		
				Short	Medium	Long
Strategy #1: Source Control						
Pet Waste						
Waterfowl						
Private Green Infrastructure						
Sanitary Sewer						
Strategy #2: Riparian Buffer Preservation/Enhancement						
RAMP Development						
Strategy #3: Non-Structural Best Management Practices						
Wetland Preservation						
Culvert Maintenance						
Strategy #4: Structural Best Management Practices						
Specific Projects						
Additional Tasks:						
WQ Monitoring Plan						
GIS Database						

6.7.3 Pollutant Reduction Tracking

As structural BMPs are designed and scheduled for construction, sampling in addition to the City’s regular sampling should be conducted at upstream and downstream locations close to the structural BMP site. Once the BMP is installed, sampling should continue at these sites for a period long enough to determine what effects the BMP has had on baseline water quality. Samples at the currently monitored locations on Long Indian Creek should also be compared to pre-project levels to determine the overall effect on the watershed. It may be necessary to establish additional monitoring sites on tributaries to Long Indian Creek in the event that pollutant reduction goals are not met so that sites that are contributing high amounts of pollutants may be identified and targeted with additional BMPs.

6.8 Funding and Technical Resources

There are many resources available for technical and financial assistance as the City moves forward with implementation.

Several technical resources include:

- Handbook for Developing Watershed Plans to Restore and Protect Our Waters. EPA 841-B-05-005. October 2008: http://www.epa.gov/nps/watershed_handbook/
- Georgia Stormwater Management Manual:
[Georgia Stormwater Management Manual - ARC \(atlantaregional.org\)](http://atlantaregional.org/GeorgiaStormwaterManagementManual)
- Research and information for stormwater BMPs and ordinances at the Center for Watershed Protection (CWP) website: <https://www.cwp.org/>
- University of Georgia Extension Program:
[Stormwater Management - UGA Marine Extension and Georgia Sea Grant](http://www.uga.edu/extension/stormwater)

There are also numerous financial resources available to the City for implementing the Zone 1 Watershed Master Plan. Applicable funding sources are, but not limited to those summarized herein.

1. EPA 319 Nonpoint Source Grants (NPS) Program

GAEPD receives grant allocation funding from the EPA under Section 319(h) of the Clean Water Act to support Georgia's nonpoint source management plan to improve impaired waters. GAEPD administers a grant process available to local governments and other organizations for implementation of best management practices that meet the EPA's nine element requirements in approved watershed plans. Matching funds are required. Additional information is located here: [Georgia 319\(h\) Nonpoint Source Grant | Environmental Protection Division](http://www.epa.gov/319/grants)

2. Georgia Environmental Finance Authority (GEFA) Water Clean Water State Revolving Fund (CWSRF)

The GEFA administers the EPA's CWSRF. It provides low-cost financing for a variety of water quality infrastructure projects such as sewer facilities and stormwater improvements. The CWSRF also includes limited funding for principal forgiveness for projects that address adverse environmental or health impacts. Additional information may be found here: [Clean Water State Revolving Fund | Georgia Environmental Finance Authority](http://www.gefa.ga.gov/cwsrf)

3. Georgia Department of Community Affairs Community Development Block Grants (CDBG)

The Georgia Department of Community Affairs CDBG program provides grants for a variety of projects, including improving community infrastructure such as water, sewer, and stormwater. Grants for infrastructure projects much have a local match. Additional information may be found here: [Community Development Block Grants \(CDBG\) | Georgia Department of Community Affairs](http://www.dca.ga.gov/cdbg)

7. PUBLIC OUTREACH

The City has strong public outreach and education programs that utilize a variety of approaches to distribute information and teach the community about stormwater and water quality of streams. The City posts regular updates to their website and social media pages related to events for stormwater management and pollution prevention. Stormwater staff attend community events to educate citizens about the importance of managing runoff from their own properties. Additionally, the City has strong partnerships with local non-profit organizations who volunteer and assist with pollution reduction activities such as Adopt-A-Road, Adopt-A-Stream, recycling events and hazardous waste drop-off.

Additional public outreach and education activities for the Zone 1 Watershed Master Plan may include:

7.1 Dog Waste Campaign

The City may implement a dog waste campaign focused on educating residents on the importance of picking up dog waste and the impact of dog waste on fecal coliform levels in downstream waterbodies. The outreach campaign could include collecting pledges from residents throughout the City to pick up after their dogs and educating youth through school and camp events. Additional outreach events could include a dog photo contest, installing signage within parks and on City property, partnership activities with local pet stores, veterinarian offices, and dog-friendly businesses and social media outreach through the City of Johns Creek website and social media pages.

7.2 Monthly Newsletter and Social Media

The City will include a brief summary of the Zone 1 Watershed Master Plan with a link to the electronic version of the document within the City's social media outlets including the City's Facebook and Twitter pages. An electronic version of the document will be available to residents on the City's stormwater utility webpage.

7.3 Public Awareness to Reduce SSOs

The City should work with Fulton County to educate the public on the importance of proper fat, oil and grease disposal to reduce the potential for reduced gravity sewer capacity, which can lead to sanitary sewer overflows.

7.4 School Education Activities

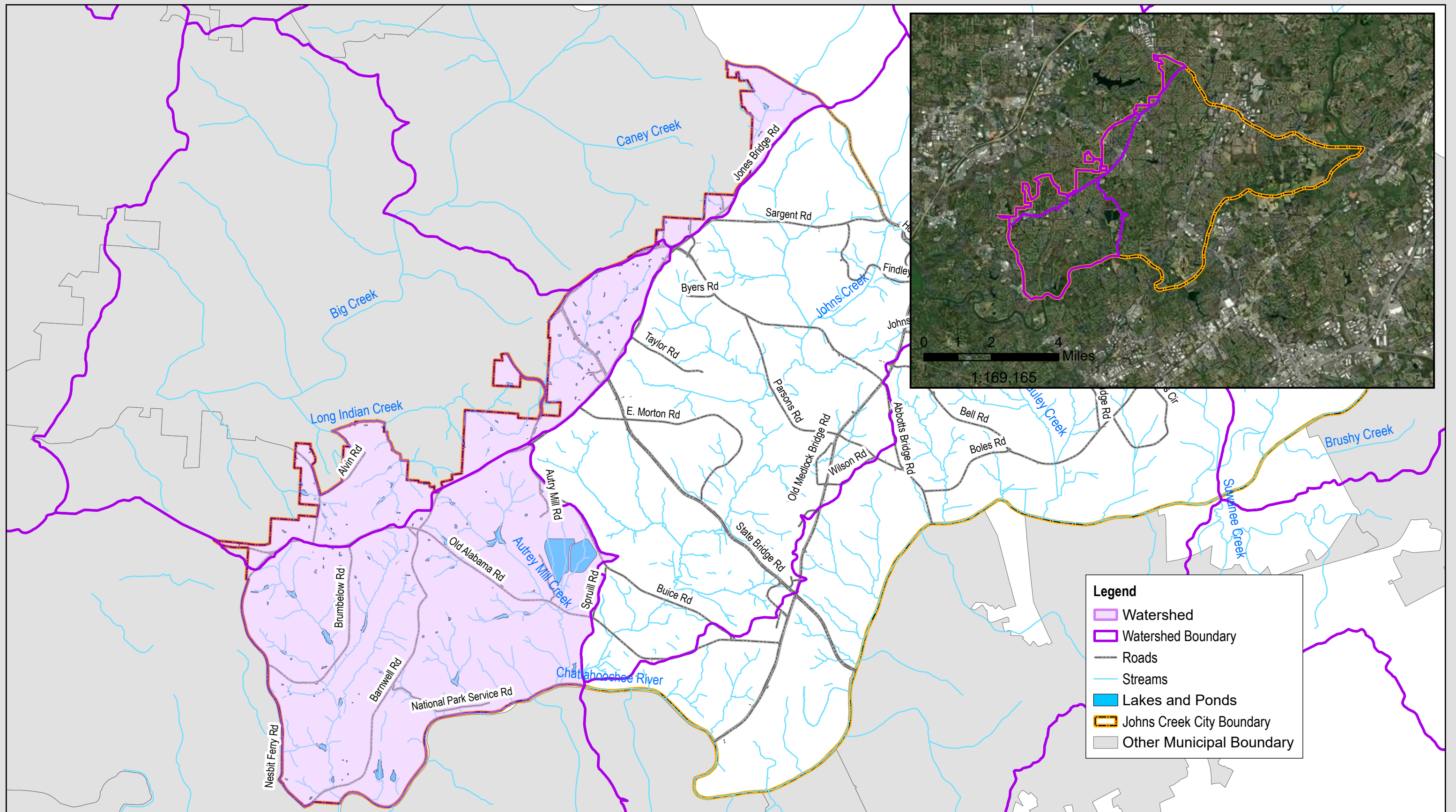
The City should partner with local schools within Zone 1 to educate students on the importance of reducing stormwater runoff from impervious surfaces such as buildings and parking areas to reduce fecal coliform from entering downstream waterways. Demonstrations and lesson plans about the importance of green infrastructure and maintaining existing green spaces on improving water quality, particularly removing pollutants within stormwater runoff, could encourage class projects and help students think of ways to reduce stormwater runoff at home. Existing and new structural BMPs at schools in Zone 1 should be used as educational opportunities for students to see effective stormwater management implementations.

7.5 Green Infrastructure Tours

The City should continue to promote and grow volunteer stewardship programs that involve the community directly in good watershed protection. In addition to Adopt-A-Road, Adopt-A-Stream, and annual litter cleanups, the City may consider providing guided walks in public areas of the Zone 1 watershed that demonstrate stormwater green infrastructure and translate these large-scale concepts to strategies that can be used at home, such as rain gardens and permeable pavers, to reduce pollutants within stormwater runoff in residential areas.

APPENDIX A

Figures



Legend

- Watershed
- Watershed Boundary
- Roads
- Streams
- Lakes and Ponds
- Johns Creek City Boundary
- Other Municipal Boundary

0 2,000 4,000 8,000
Feet

1 inch = 4,500 feet

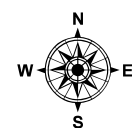
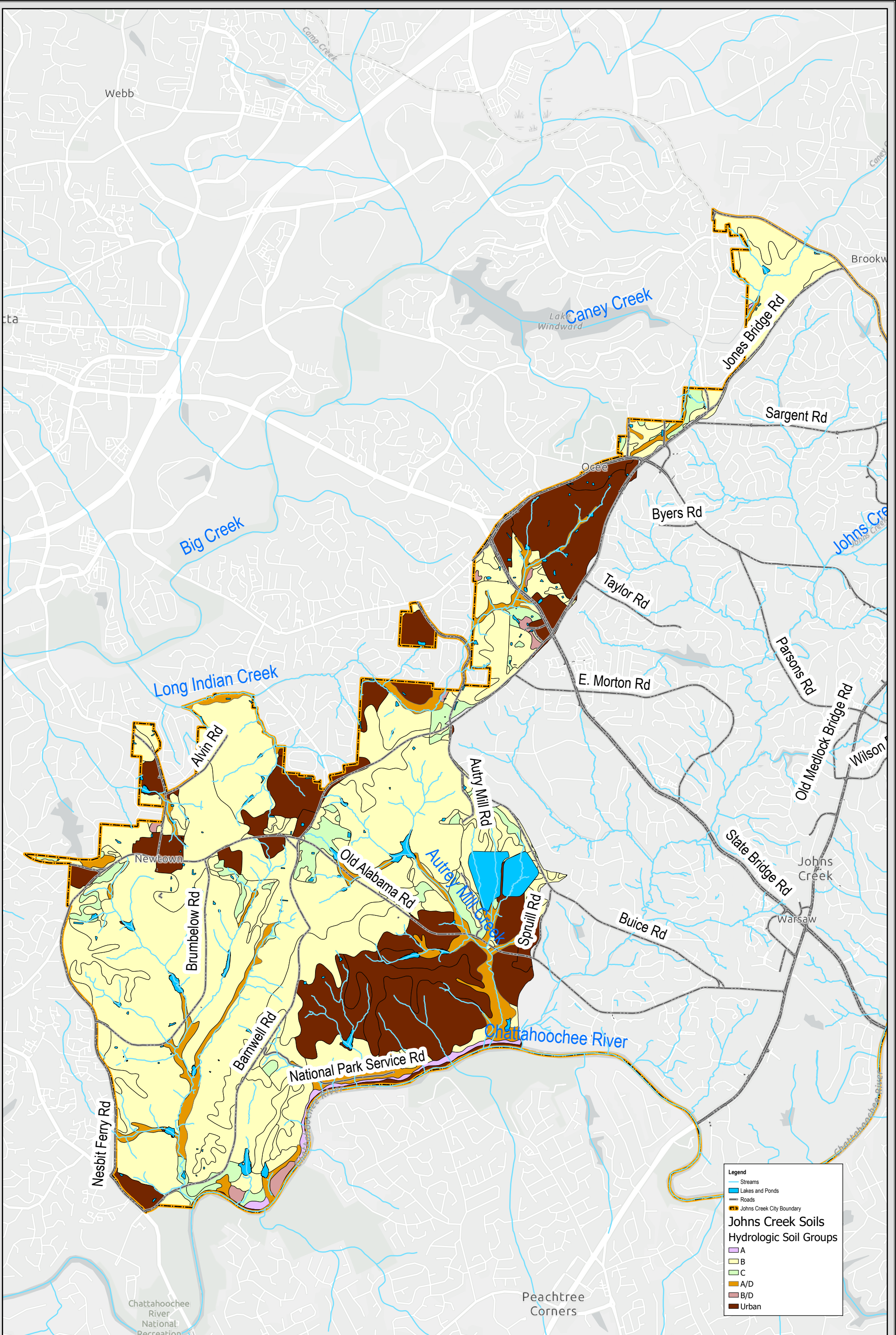


Figure 1-1. Watershed Project Area Map
CITY OF JOHNS CREEK
ZONE 1 MASTER PLAN



Legend

- Streams
- Lakes and Ponds
- Roads
- Johns Creek City Boundary

Johns Creek Soils Hydrologic Soil Groups

- A
- B
- C
- A/D
- B/D
- Urban

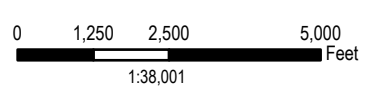


Figure 3-1. Hydrologic Soil Groups
CITY OF JOHNS CREEK
ZONE 1 MASTER PLAN



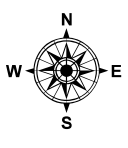
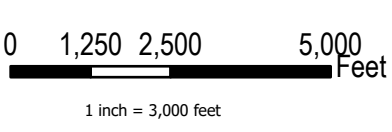
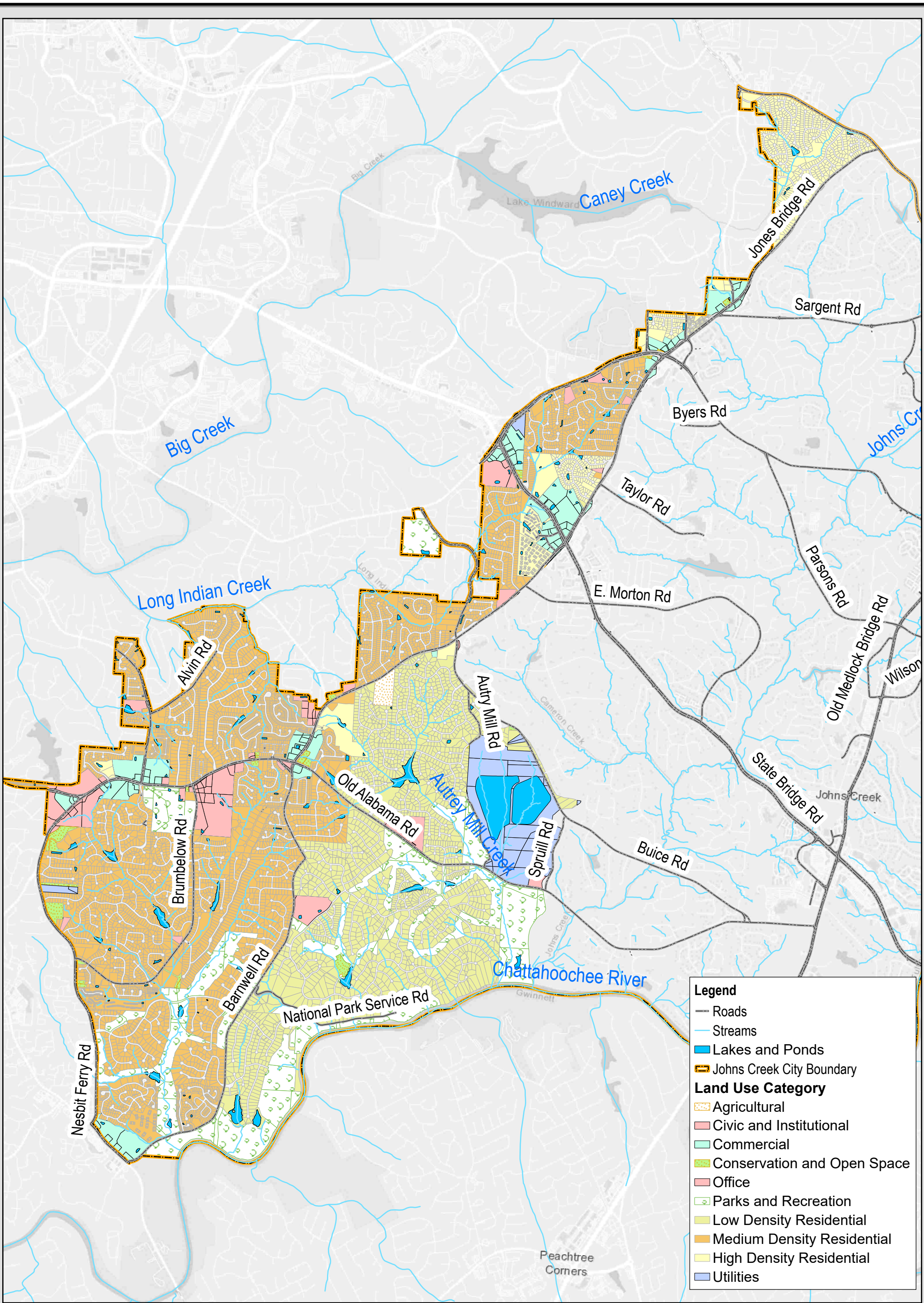


Figure 3-2. Existing Land Use
CITY OF JOHNS CREEK
ZONE 1 MASTER PLAN

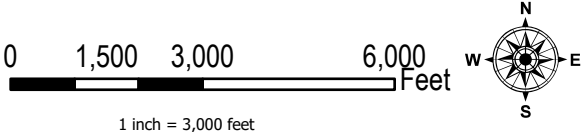
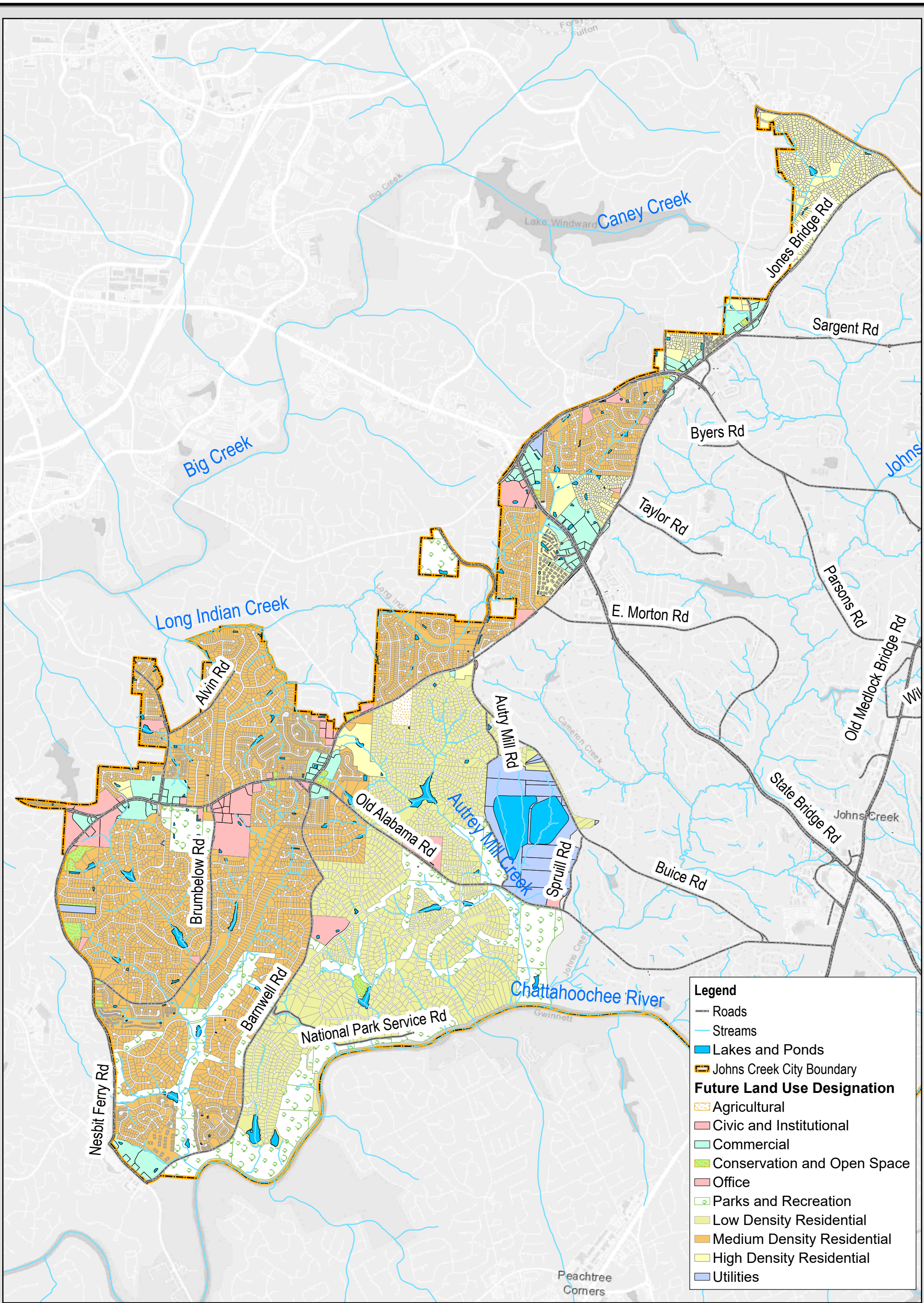


Figure 3-3. Future Land Use
CITY OF JOHNS CREEK
ZONE 1 MASTER PLAN

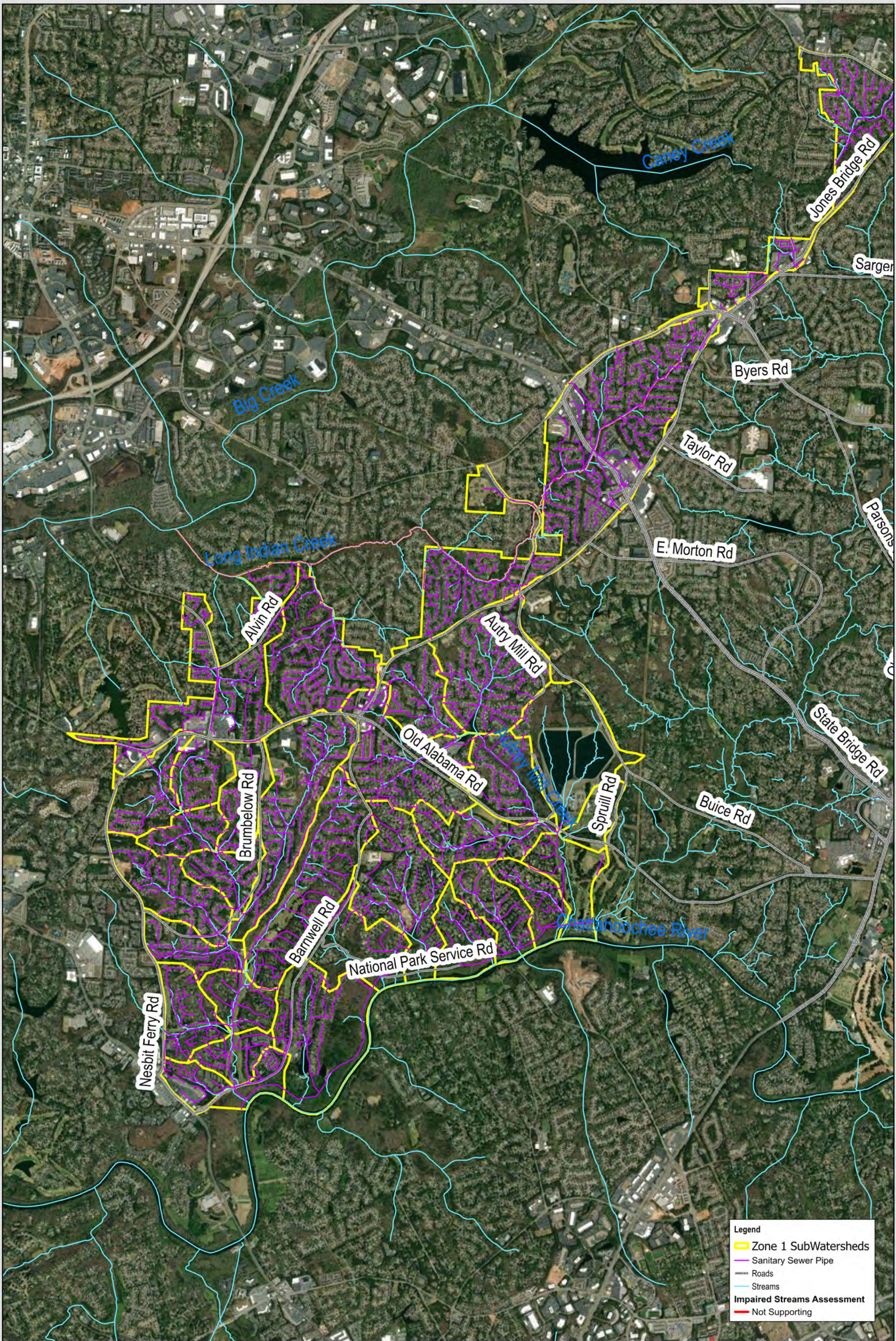
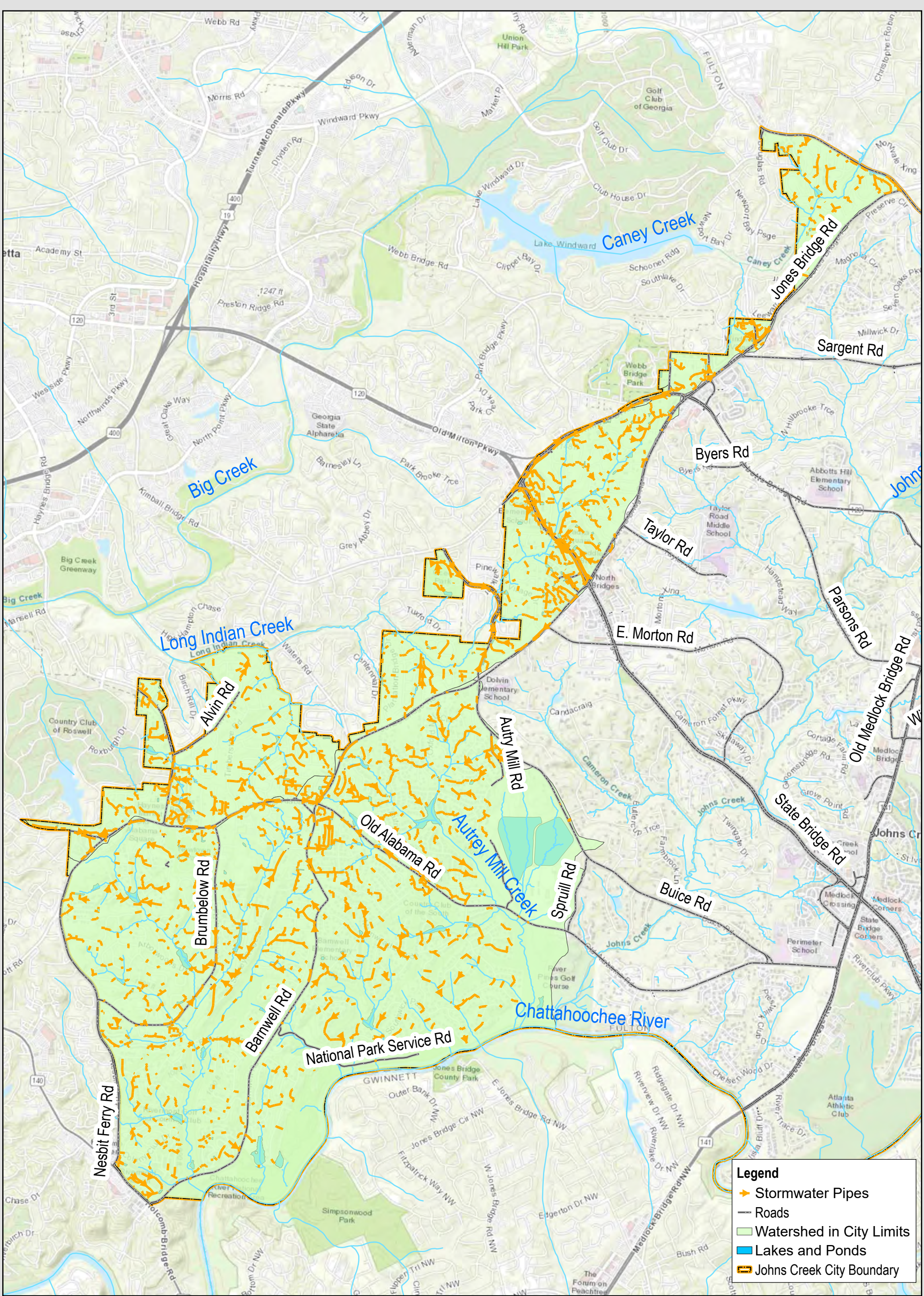


Figure 3-4. Sanitary Sewer Map
 CITY OF JOHNS CREEK
 ZONE 1 MASTER PLAN



Legend

- Stormwater Pipes
- Roads
- Watershed in City Limits
- Lakes and Ponds
- Johns Creek City Boundary

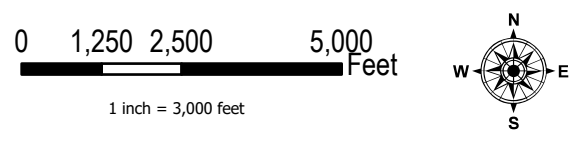
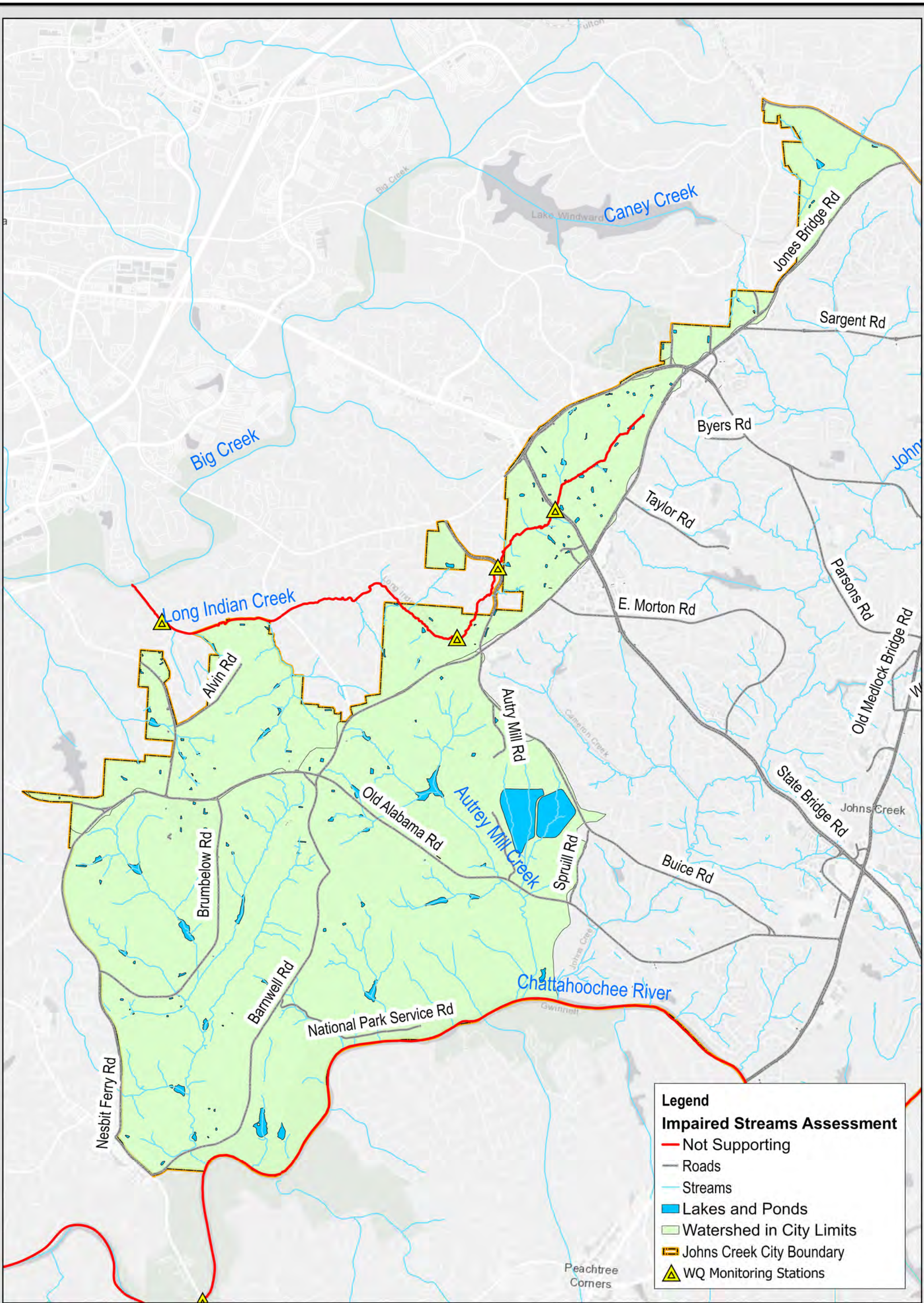


Figure 3-5. Stormwater Drainage System
CITY OF JOHNS CREEK
ZONE 1 MASTER PLAN





Legend

Impaired Streams Assessment

- Not Supporting
- Roads
- Streams
- Lakes and Ponds
- Watershed in City Limits
- - - Johns Creek City Boundary
- ▲ WQ Monitoring Stations

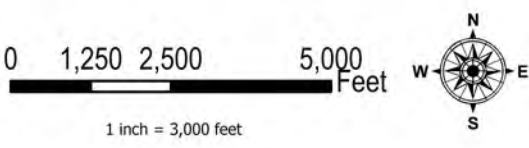


Figure 3-6. Impaired Streams
CITY OF JOHNS CREEK
ZONE 1 MASTER PLAN



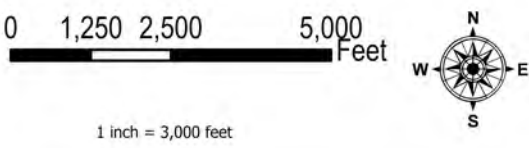
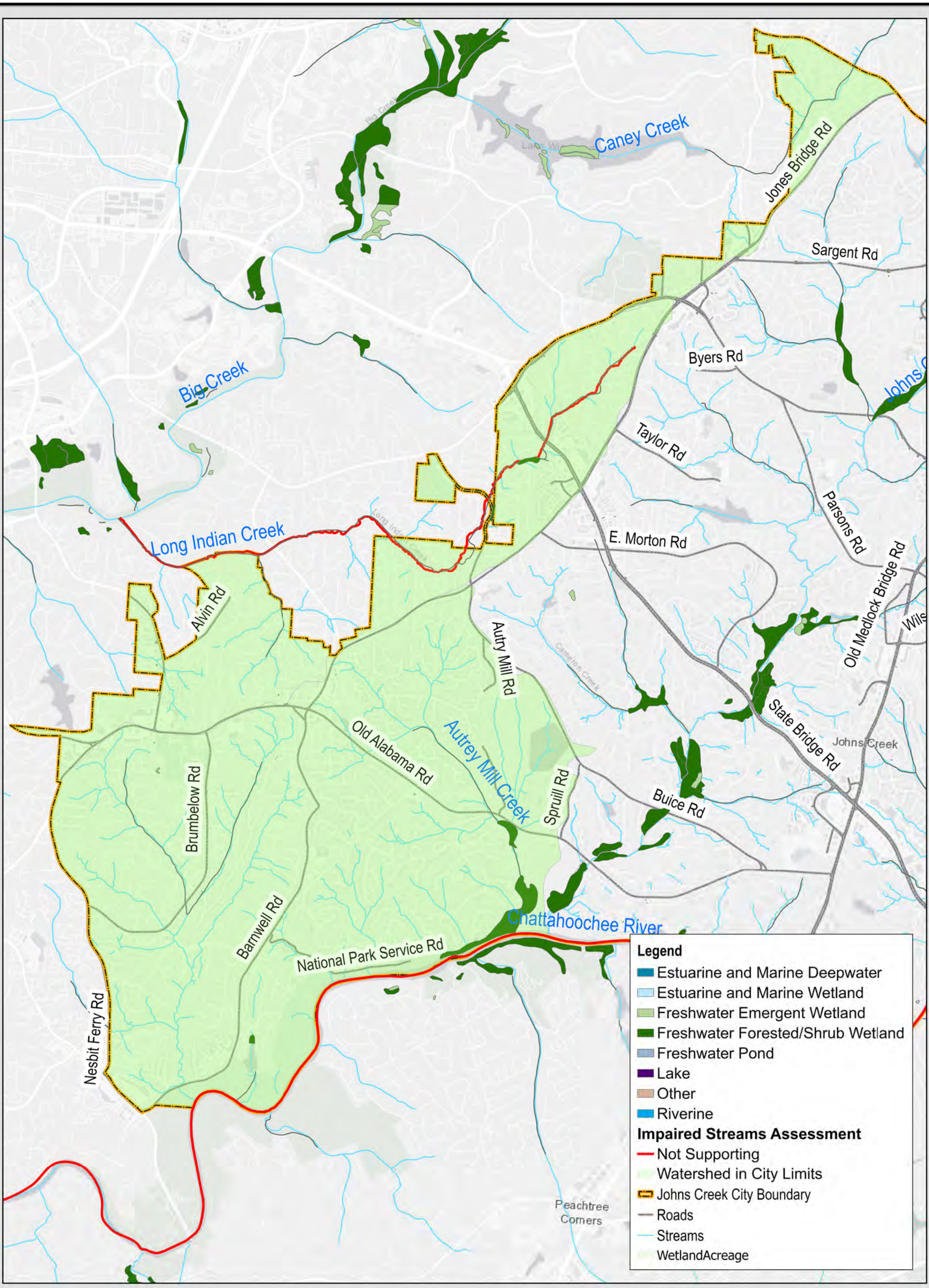
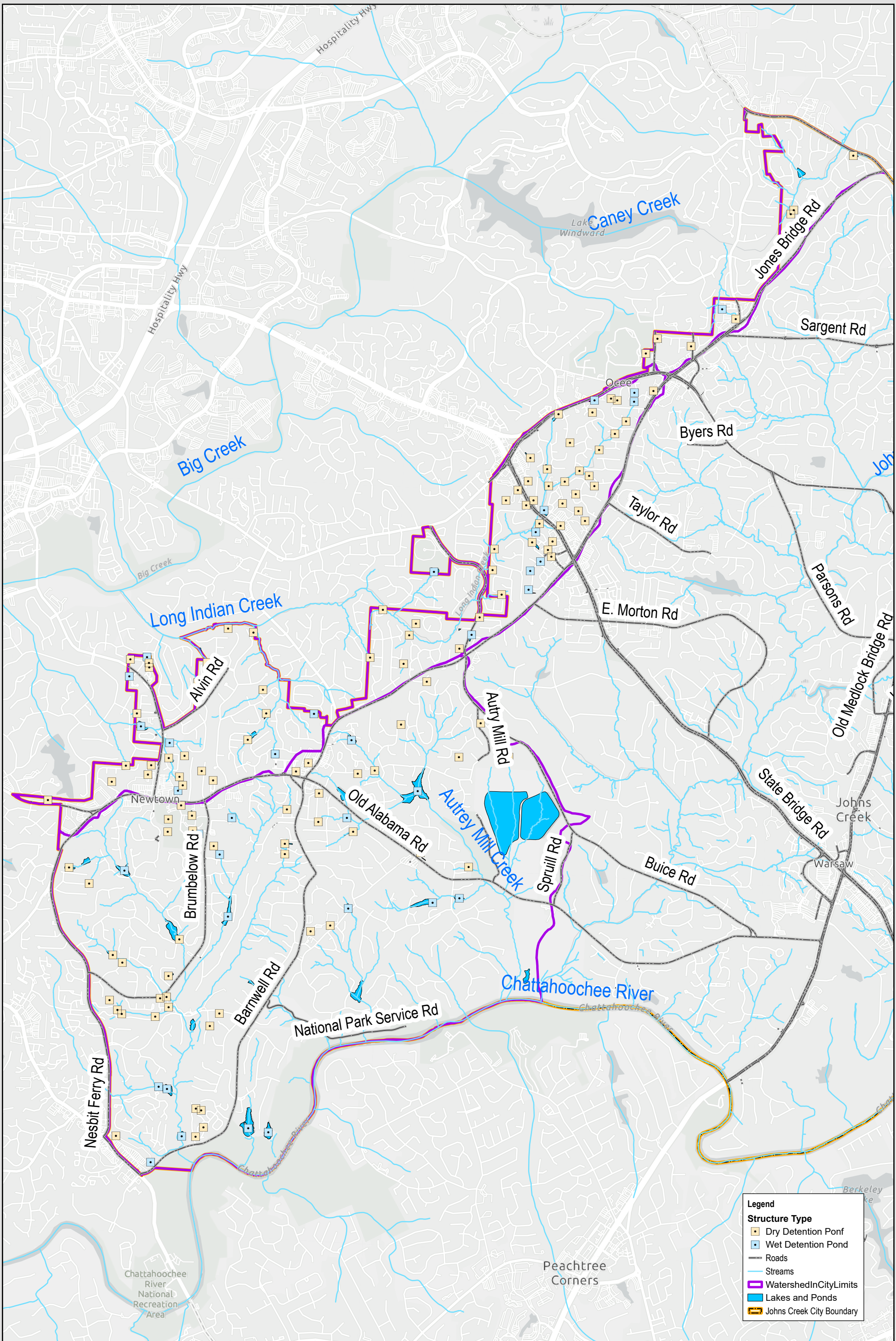


Figure 5-1. USFWS National Wetland Inventory
CITY OF JOHNS CREEK
ZONE 1 MASTER PLAN





Legend

Structure Type

- Dry Detention Pong
- Wet Detention Pond
- Roads
- Streams
- Watershed In City Limits
- Lakes and Ponds
- Johns Creek City Boundary

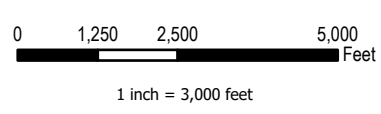
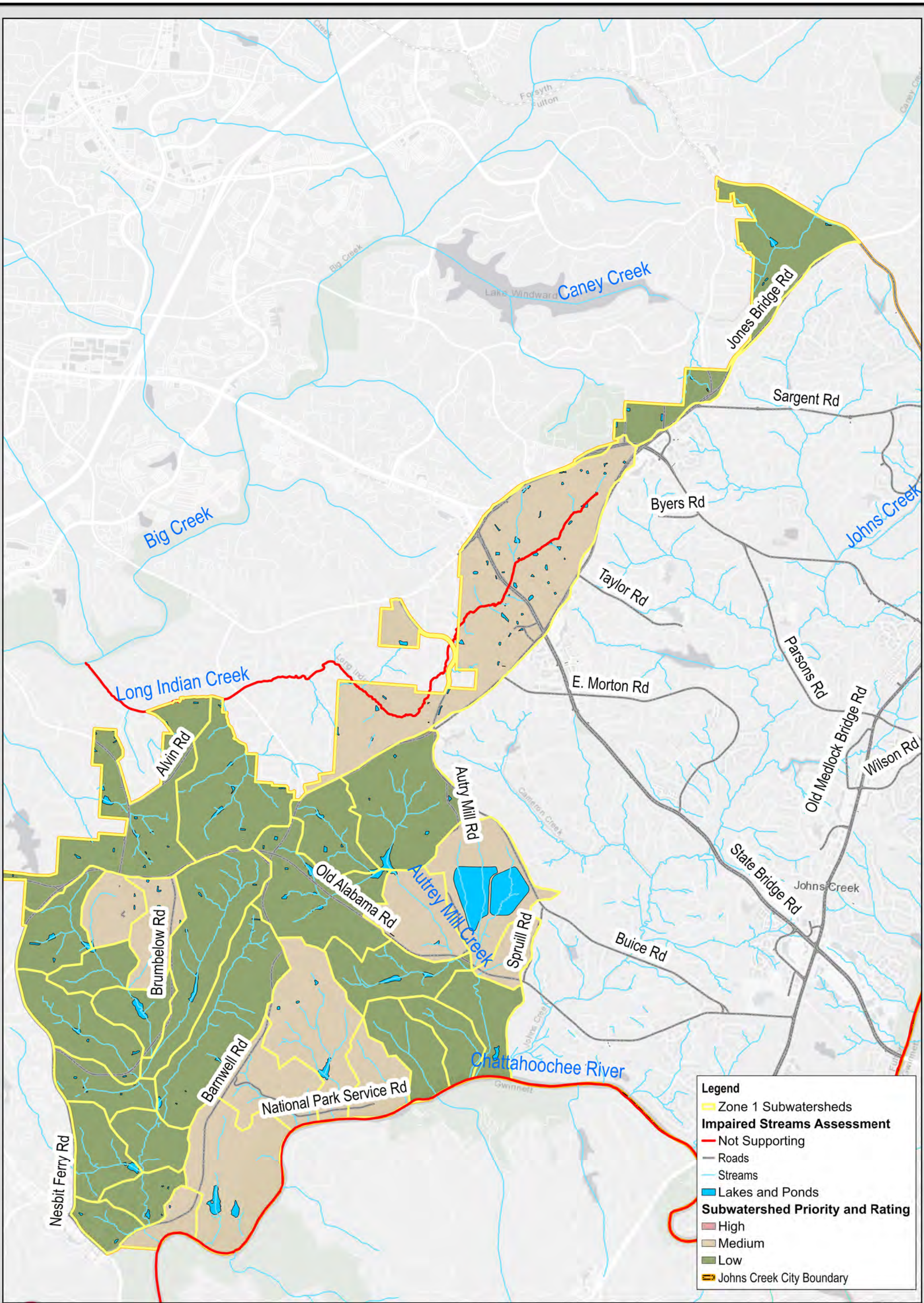


Figure 6-1. Existing Green Infrastructure
CITY OF JOHNS CREEK
ZONE 1 MASTER PLAN

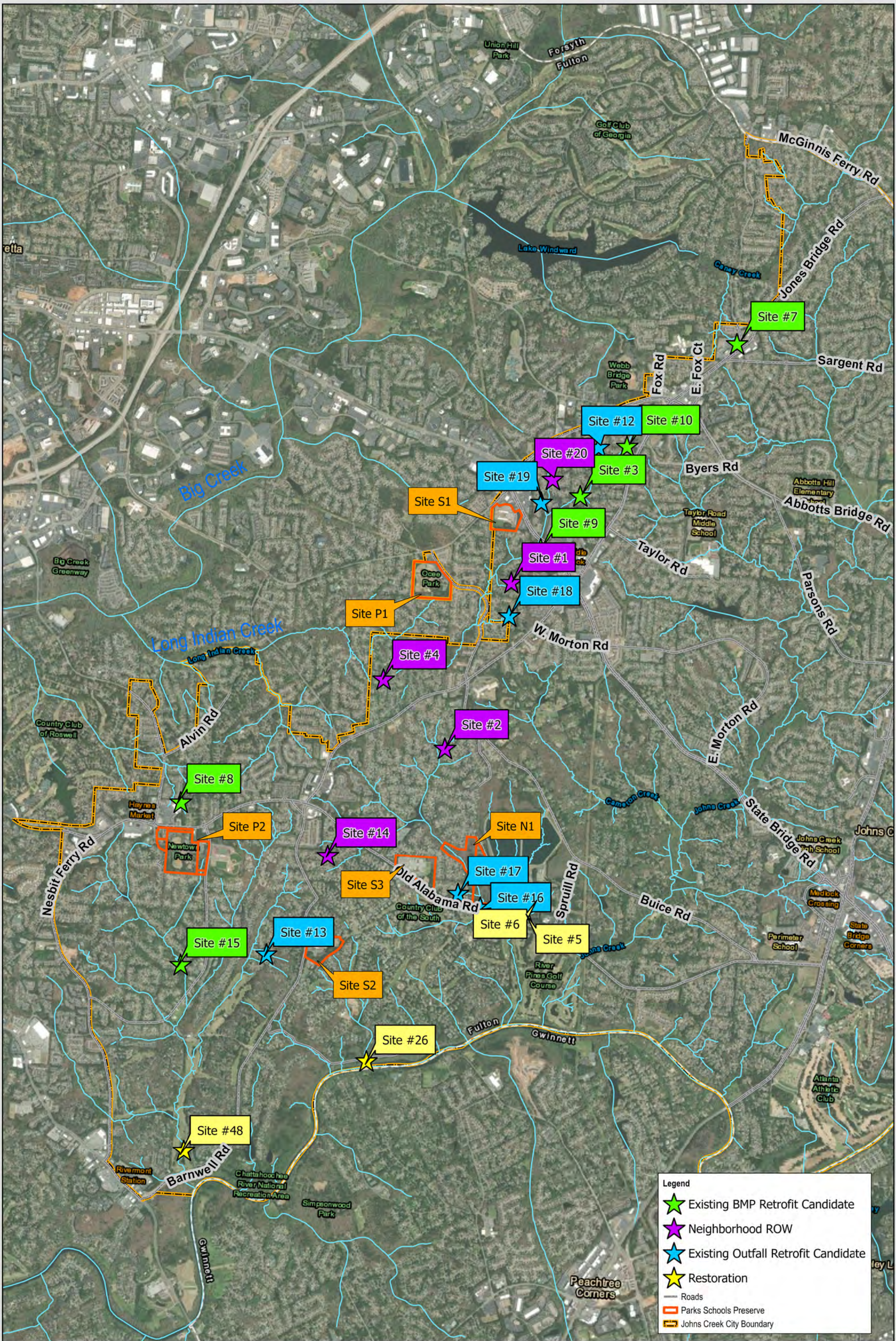


0 1,250 2,500 5,000 Feet
1 inch = 3,000 feet



Figure 6-2. Subwatershed Priority
CITY OF JOHNS CREEK
ZONE 1 MASTER PLAN





Legend

- ★ Existing BMP Retrofit Candidate
- ★ Neighborhood ROW
- ★ Existing Outfall Retrofit Candidate
- ★ Restoration
- Roads
- Parks Schools Preserve
- Johns Creek City Boundary

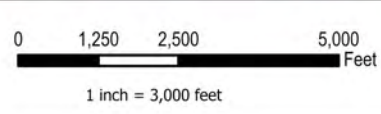
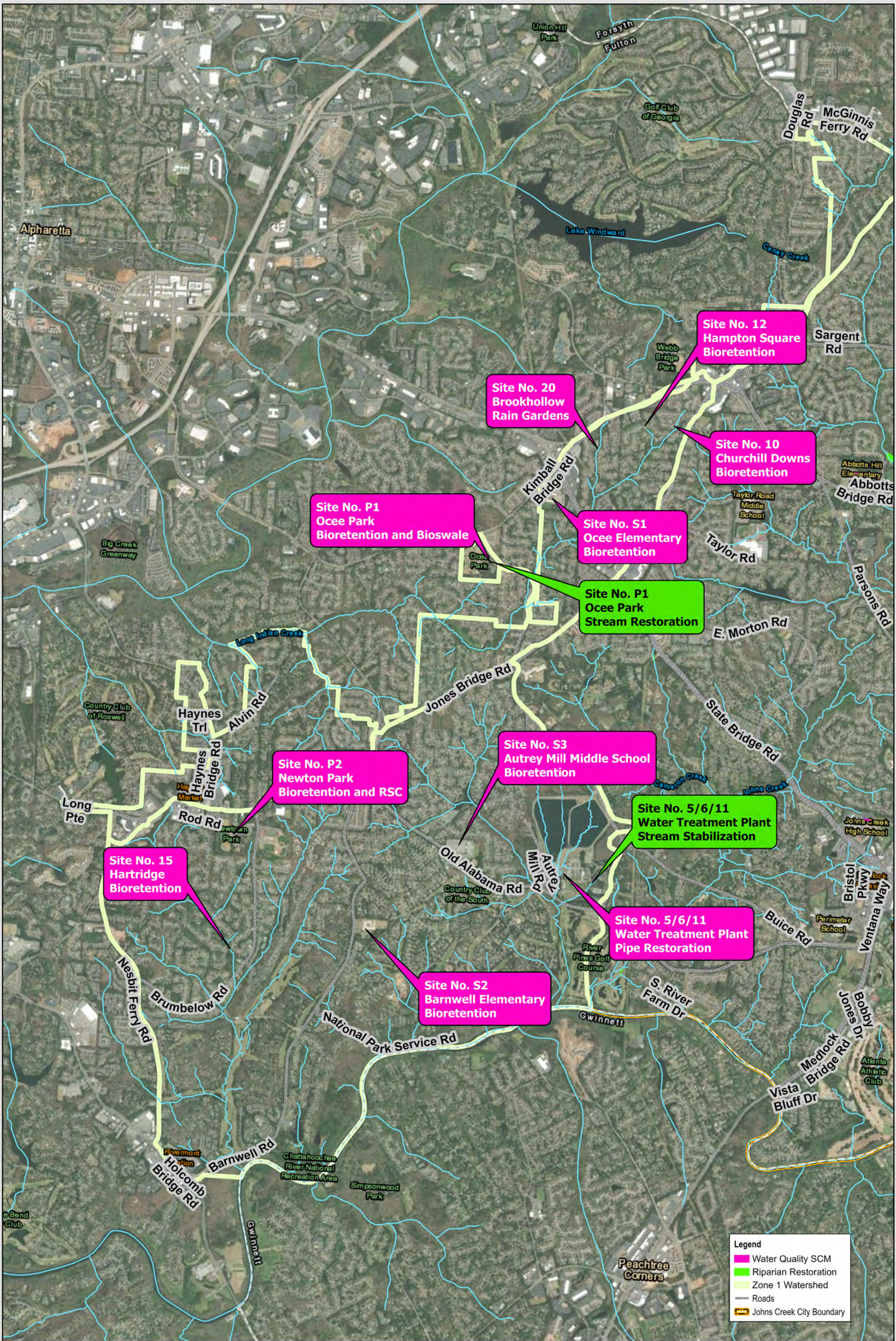


Figure 6-3. Field Investigation Locations
CITY OF JOHNS CREEK
STORMWATER MASTER PLAN



Legend

- Water Quality SCM
- Riparian Restoration
- Zone 1 Watershed
- Roads
- Johns Creek City Boundary

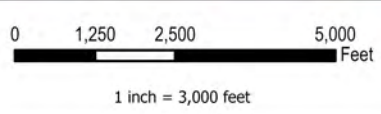


Figure 6-4. Proposed Water Quality Projects
 CITY OF JOHNS CREEK
 STORMWATER MASTER PLAN

APPENDIX B

Water Quality Tables

APPENDIX B - ADDITIONAL FECAL COLIFORM MONITORING DATA

Appendix B.1 LONG INDIAN CREEK AT STATE BRIDGE RD (LIC-1)

FECAL COLIFORM MONITORING DATA

Year	Q1	Q2	Q3	Q4
2014-2015	391	406	58	35
2015-2016	398	271	57	47
2016-2017	288	300	55	164
2017-2018	288	300	32	74
2018-2019	696	536	91	120
2019-2020	373	224	111	107
2020-2021	272	465	22	154
2021-2022	436	643	16	39

Appendix B.2 LONG INDIAN CREEK AT BUICE RD (LIC-2) FECAL COLIFORM MONITORING DATA

Year	Q1	Q2	Q3	Q4
2014-2015	188	231	140	185
2015-2016	467	81	104	335
2016-2017	307	212	384	167
2017-2018	307	212	51	72
2018-2019	1323	119	53	410
2019-2020	325	446	74	248
2020-2021	334	119	204	129
2021-2022	422	549	143	125

Appendix B.2 LONG INDIAN CREEK AT WILLOW MEADOW RD (LIC-3) FECAL COLIFORM

Year	Q1	Q2	Q3	Q4
2014-2015	62	285	91	76
2015-2016	161	22	53	115
2016-2017	508	212	266	180
2017-2018	508	212	23	62
2018-2019	619	420	35	137
2019-2020	878	240	123	166
2020-2021	292	112	146	115
2021-2022	197	287	112	117

Appendix B.2 LONG INDIAN CREEK AT HIGH HAMPTON CHASE (LIC-5) FECAL COLIFORM

Year	Q1	Q2	Q3	Q4
2014-2015	186	152	23	78
2015-2016	157	346	24	37
2016-2017	427	174	96	98
2017-2018	427	174	77	131
2018-2019	673	282	52	176
2019-2020	619	431	133	118
2020-2021	126	109	91	170
2021-2022	282	194	91	62

APPENDIX B - ADDITIONAL FECAL COLIFORM MONITORING DATA

Appendix B.3 CHATTAHOOCHEE RIVER AT MCGINNIS FERRY ROAD (RV_12_3841) FECAL COLIFORM MONITORING DATA

Year	Q1	Q2	Q3	Q4
2007-2008	50	80	48	119
2008-2009	91	87	-	53
2009-2010	426	356	40	122
2010-2011	305	90	38	87
2011-2012	214	62	24	47
2012-2013	269	118	63	99
2013-2014	80	841	48	27
2014-2015	108	291	70	26
2015-2016	112	421	193	-
2016-2017	-	-	-	-
2017-2018	-	870	22	255
2018-2019	130	126	52	68
2019-2020	86	60	150	40
2020-2021	91	585	159	24
2021-2022	612	-	-	-

APPENDIX C

Project Fact Sheets and GIS Maps – 10 BMP Projects

NAME OF PROJECT: BARNWELL ELEMENTARY BIORETENTION (SITE NO. S2)

PROBLEM IDENTIFICATION and SITE CHARACTERISTICS

LOCATION: Barnwell Elementary between Barnwell Road and Old Southwick Pass

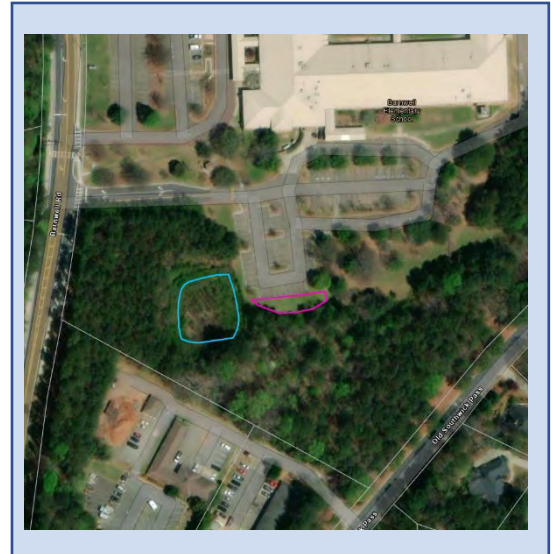
WATERSHED PRIORITY: Medium

DRAINAGE AREA to PROJECT: Approximately 1 acre

PROJECT DESCRIPTION and BENEFIT

Bioretention (1 acres treated): Provide approximately 0.1 acres of treatment for pollutant removal as follows:

- Grade in new bioretention area at south end of parking lot with curb cuts to direct flow from lot.
- Install bioretention media and plantings.
- Install new outfall structure.



PROJECT PRIORITIZATION CRITERIA SCORE

Table 1. Prioritization Criteria Score

Prioritization Category	Score
Land Ownership	18
Drainage Area Treated	2
Fecal Coliform Removal Efficiency	27
Constructability	15
Tree Cover	10
Ease of Access	4
Permit Requirements ¹	3
Integrated with Existing CIP	0
TOTAL SCORE	79

¹Federal permits are not likely required.



PLANNING LEVEL OPINION OF COST

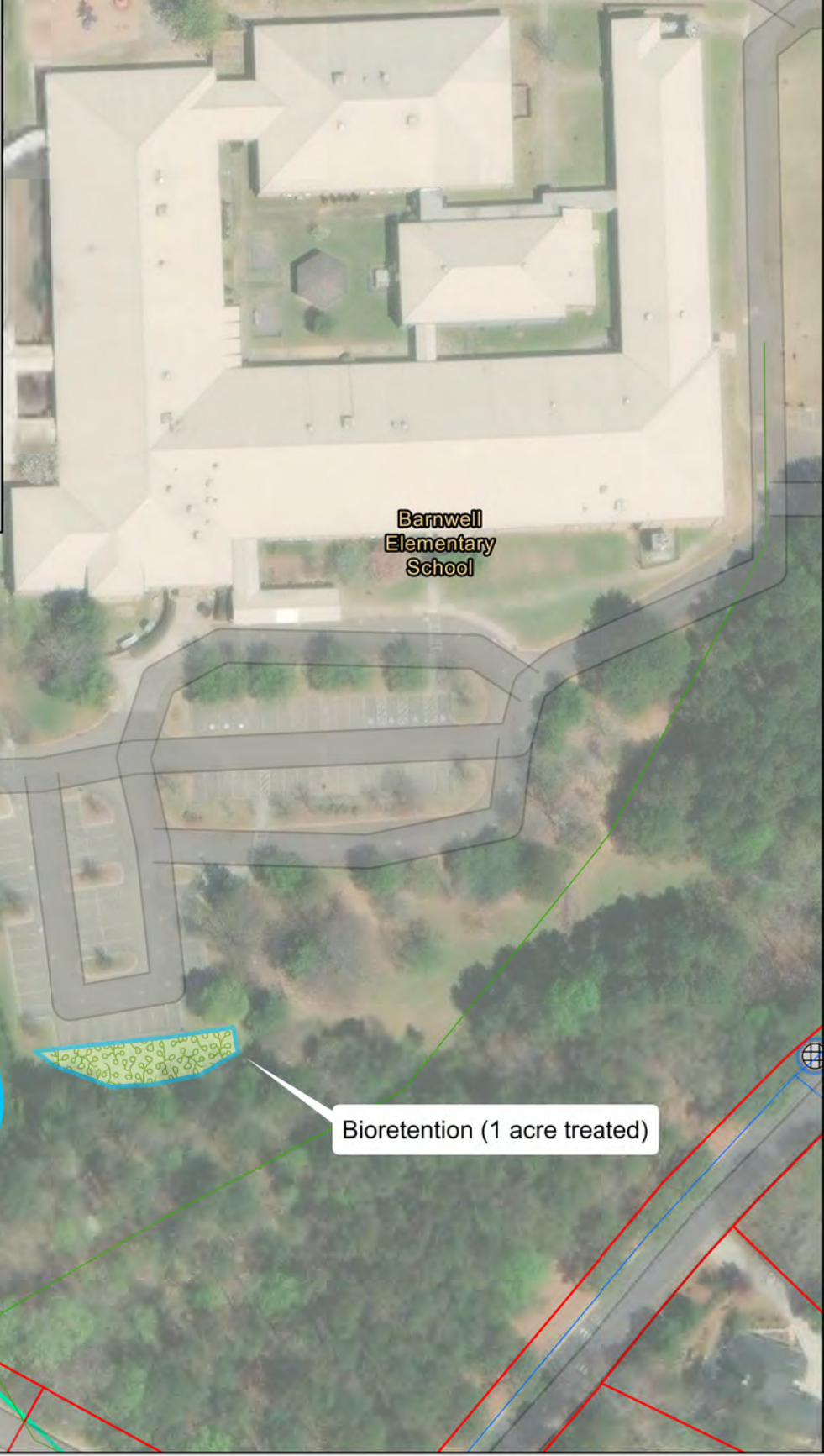
- Construction estimate includes 30% contingency for planning purposes.
- Proposed project footprints based on GIS analysis.

Table 2. Planning Level Opinion of Cost

Item	Cost Opinion
Construction	\$131,000
Design, Permitting, Ancillary	\$61,000
Real Estate, Maintenance	\$7,000
Total Planning Cost	\$199,000

Existing Stormwater Structures

-  Catch Basin
-  Headwall
-  Inlet
-  Storage Facility
-  Stormwater Pipe
-  Lakes and Ponds
-  Sanitary Sewer
-  Water Supply
-  Stream
-  Parcels
-  Bioretention



Barnwell Elementary School

Bioretention (1 acre treated)

NAME OF PROJECT: AUTREY MILL MIDDLE BIORETENTION (SITE NO. S3)

PROBLEM IDENTIFICATION and SITE CHARACTERISTICS

LOCATION: Autrey Mill Middle School near the intersection of Old Alabama Road and Autry Falls Way

WATERSHED PRIORITY: Medium

DRAINAGE AREA to PROJECT: Approximately 1 acre

PROJECT DESCRIPTION and BENEFIT

Bioretention (1 acres treated): Provide approximately 0.1 acres of treatment for pollutant removal as follows:

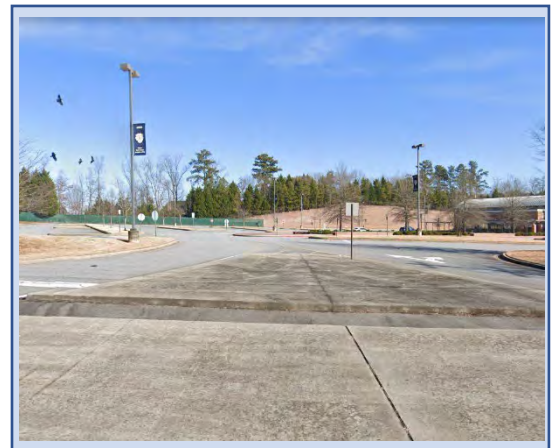
- Grade in new bioretention areas in parking lot west of school with curb cuts to direct flow from lot.
- Install bioretention media and plantings.
- Install new outfall structures.

PROJECT PRIORITIZATION CRITERIA SCORE

Table 1. Prioritization Criteria Score

Prioritization Category	Score
Land Ownership	18
Drainage Area Treated	2
Fecal Coliform Removal Efficiency	27
Constructability	15
Tree Cover	10
Ease of Access	4
Permit Requirements ¹	3
Integrated with Existing CIP	0
TOTAL SCORE	79

¹Federal permits are not likely required.

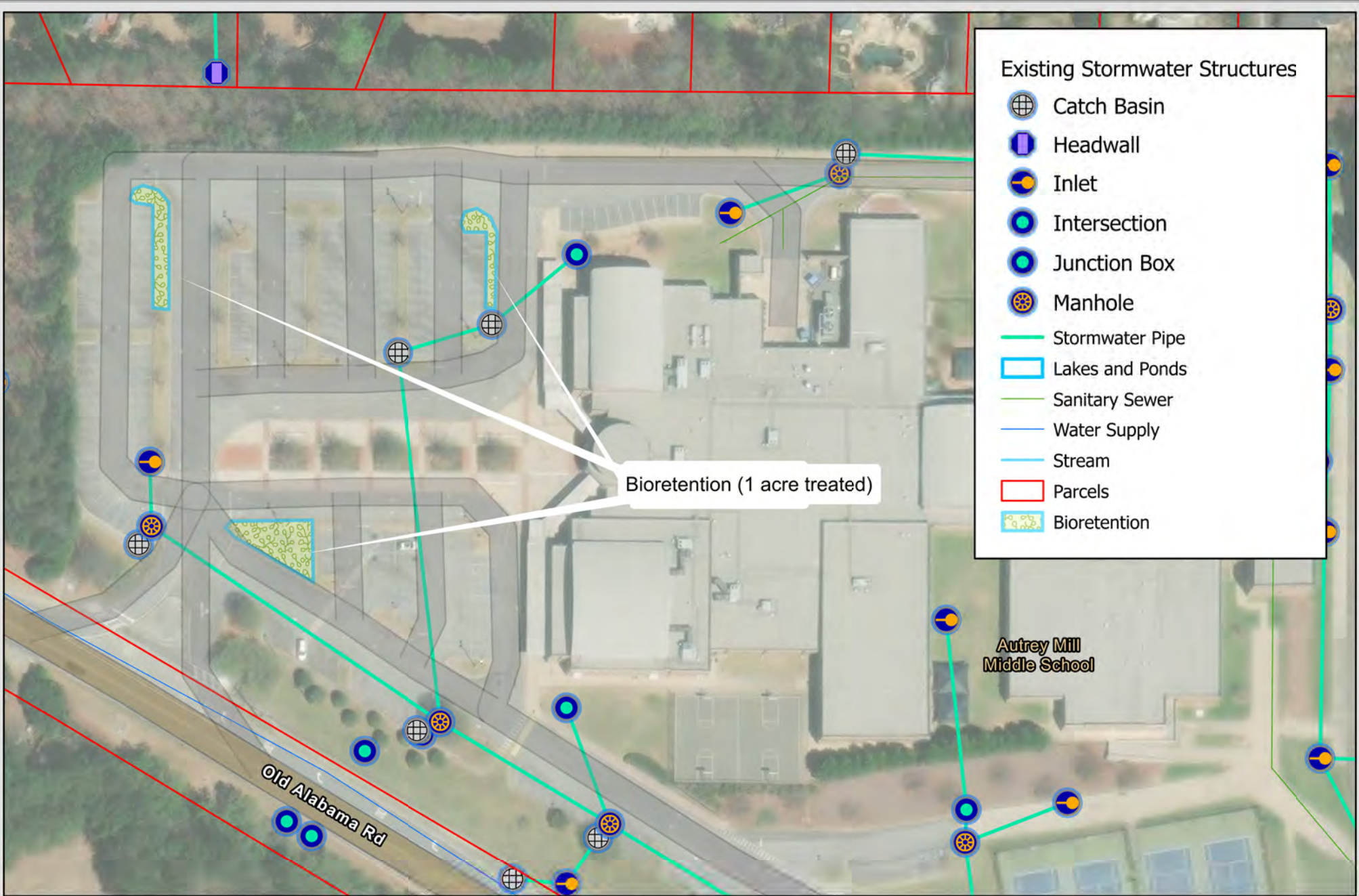


PLANNING LEVEL OPINION OF COST

- Construction estimate includes 30% contingency for planning purposes.
- Proposed project footprints based on GIS analysis.

Table 2. Planning Level Opinion of Cost

Item	Cost Opinion
Construction	\$239,000
Design, Permitting, Ancillary	\$119,000
Real Estate, Maintenance	\$12,000
Total Planning Cost	\$370,000



Existing Stormwater Structures

- Catch Basin
- Headwall
- Inlet
- Intersection
- Junction Box
- Manhole
- Stormwater Pipe
- Lakes and Ponds
- Sanitary Sewer
- Water Supply
- Stream
- Parcels
- Bioretention

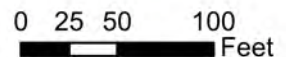
Bioretention (1 acre treated)

Autrey Mill Middle School

Old Alabama Rd



**Johns Creek
Zone 1 Master Plan
Autrey Mill Middle School
Concept Design Exhibit**



NAME OF PROJECT: OCEE ELEMENTARY BIORETENTION (SITE NO. S1)

PROBLEM IDENTIFICATION and SITE CHARACTERISTICS

LOCATION: Ocee Elementary School near the intersection of State Bridge Road and Kimball Bridge Road

WATERSHED PRIORITY: Medium

DRAINAGE AREA to PROJECT: Approximately 1 acre

PROJECT DESCRIPTION and BENEFIT

Bioretention (1 acres treated): Provide approximately 0.1 acres of treatment for pollutant removal as follows:

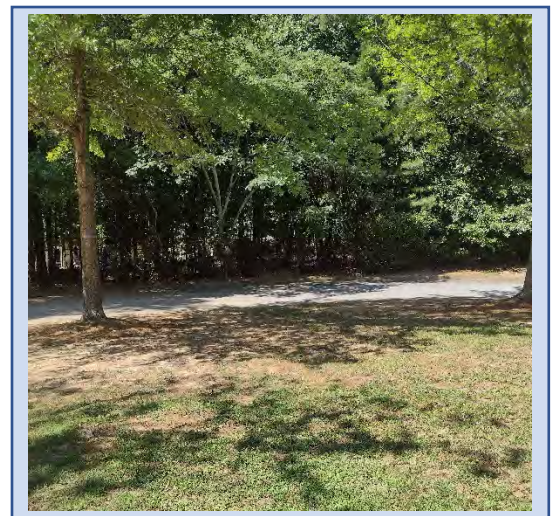
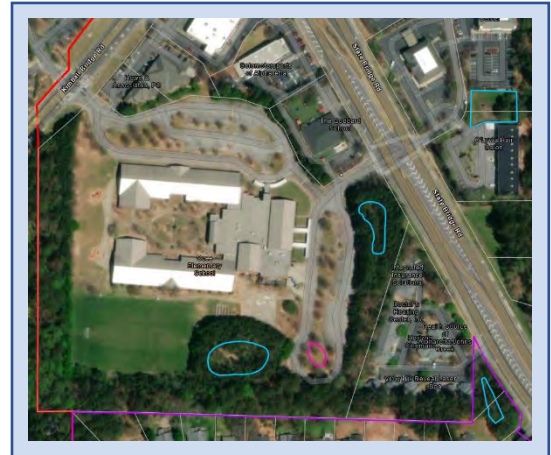
- Grade in new bioretention area in parking lot southeast of school with curb cuts to direct flow from lot.
- Install bioretention media and plantings.
- Install new outfall structure.

PROJECT PRIORITIZATION CRITERIA SCORE

Table 1. Prioritization Criteria Score

Prioritization Category	Score
Land Ownership	18
Drainage Area Treated	2
Fecal Coliform Removal Efficiency	27
Constructability	15
Tree Cover	6
Ease of Access	4
Permit Requirements ¹	3
Integrated with Existing CIP	0
TOTAL SCORE	75

¹Federal permits are not likely required.

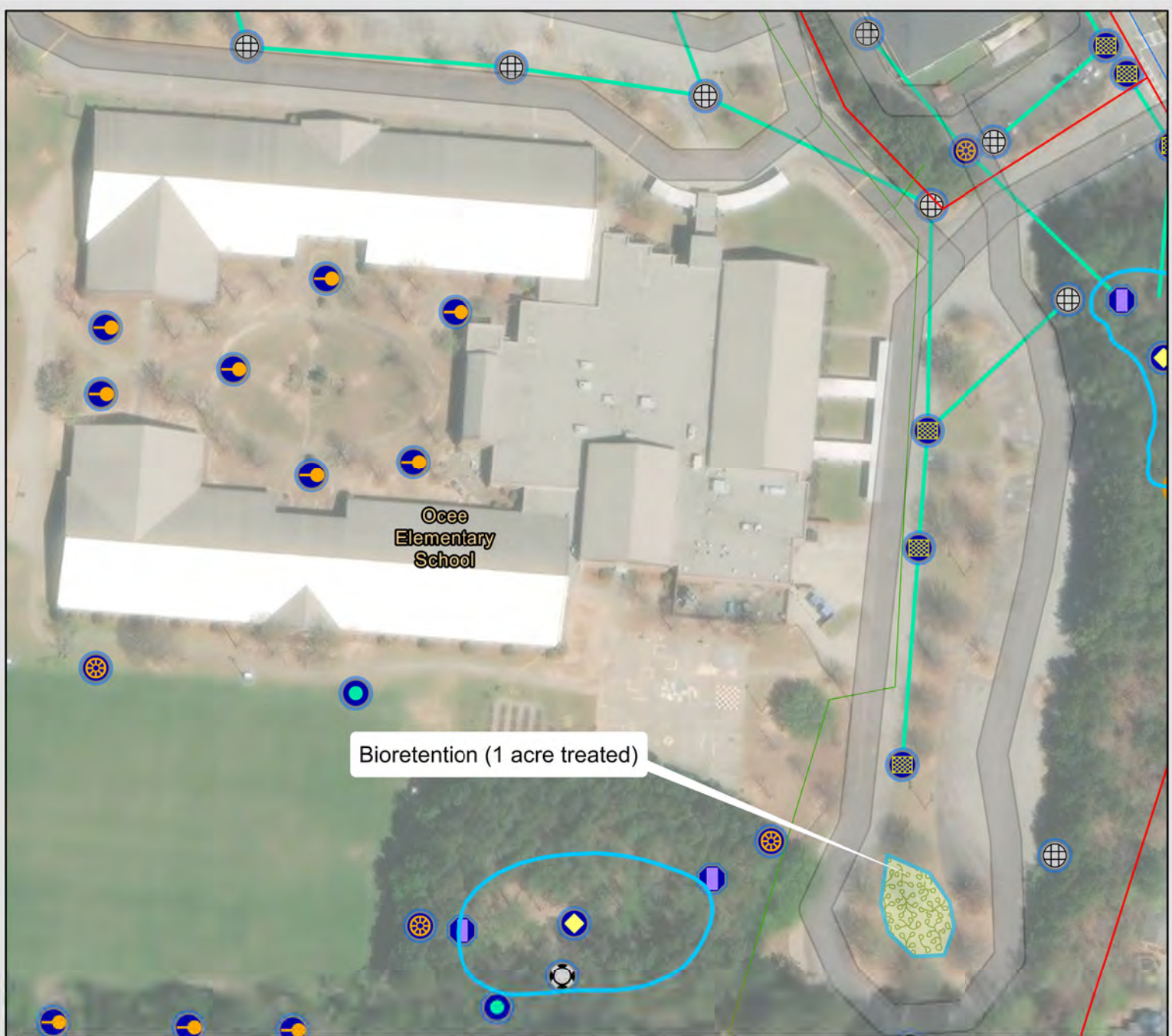


PLANNING LEVEL OPINION OF COST

- Construction estimate includes 30% contingency for planning purposes.
- Proposed project footprints based on GIS analysis.

Table 2. Planning Level Opinion of Cost

Item	Cost Opinion
Construction	\$120,000
Design, Permitting, Ancillary	\$60,000
Real Estate, Maintenance	\$6,000
Total Planning Cost	\$186,000



Bioretention (1 acre treated)

Existing Stormwater Structures			
	Catch Basin		Junction Box
	Control Structure		Manhole
	Drop Inlet		Outlet Control Structure
	Headwall		Storage Facility
	Inlet		Stormwater Pipe
			Lakes and Ponds
			Sanitary Sewer
			Water Supply
			Stream
			Parcels
			Bioretention

NAME OF PROJECT: NEWTOWN PARK BIORETENTION, RSC AND POND IMPROVEMENTS (SITE NO. P2)

PROBLEM IDENTIFICATION and SITE CHARACTERISTICS

LOCATION: Newtown Park on Brumbelow Road
WATERSHED PRIORITY: Medium
DRAINAGE AREA to PROJECT: Approximately 17 acres

PROJECT DESCRIPTION and BENEFIT

Pond Improvements (7 acres treated): Add additional water quality treatment to the existing pond as follows:

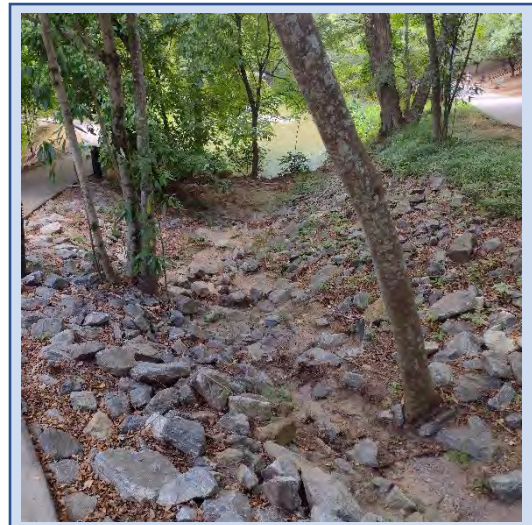
- Modify riser structure to detain the water quality volume within the pond.

RSC (9 acres treated): Provide approximately 1300 linear feet of stream stabilization and restoration as follows:

- Replace the existing rip rap channel between the tennis courts and wet pond with media and plantings.

Bioretention (1 acres treated): Provide approximately 0.1 acres of treatment for pollutant removal as follows:

- Grade open areas adjacent to soccer fields for bioretention cells.
- Install bioretention media and plantings.
- Install new outfall structures.



PROJECT PRIORITIZATION CRITERIA SCORE

Prioritization Category	Score
Land Ownership	18
Drainage Area Treated	8
Pollutant Removal Efficiency	27
Constructability	5
Tree Cover	8
Ease of Access	4
Permit Requirements ¹	1
Integrated with Existing CIP	0
TOTAL SCORE	71

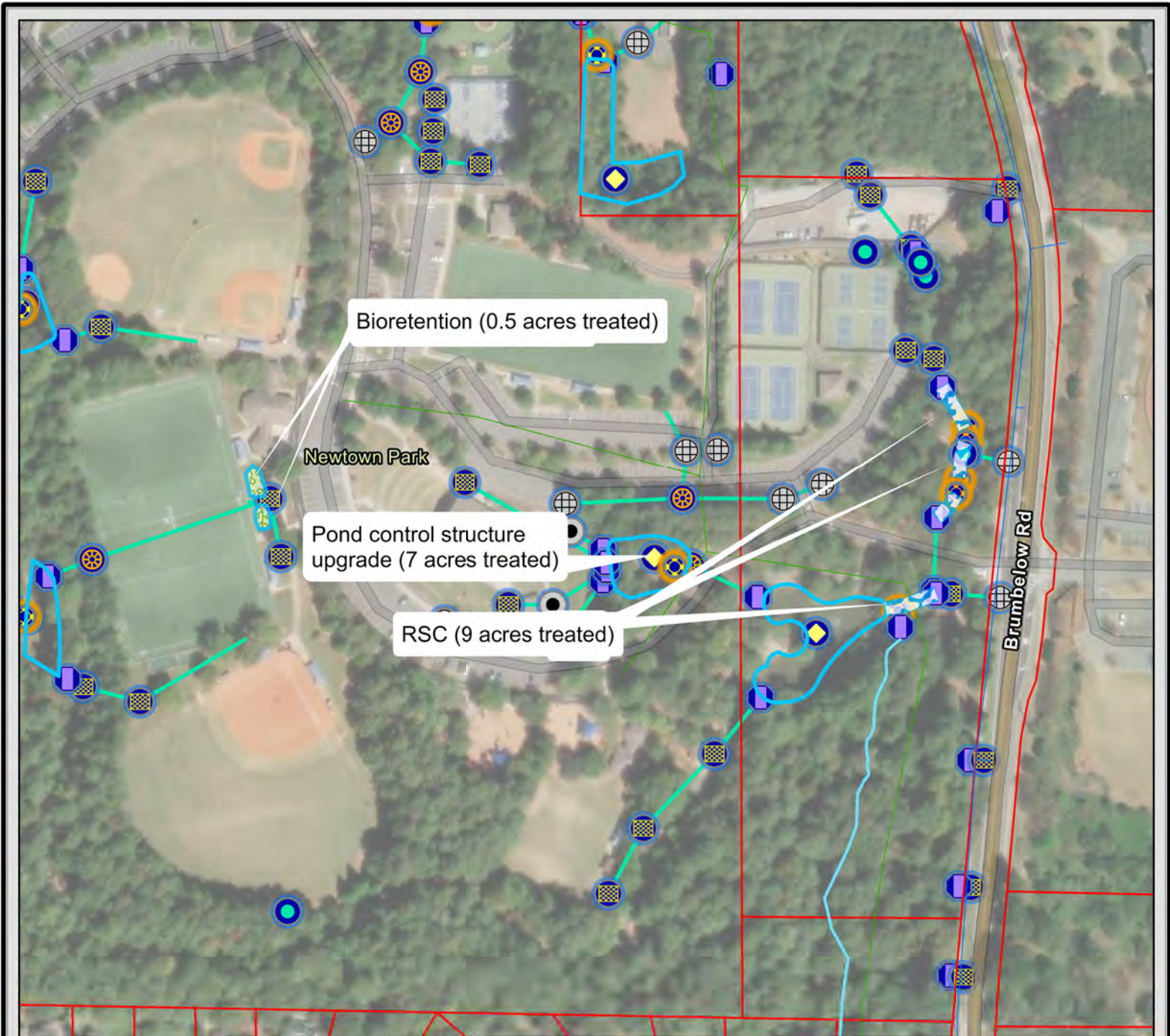
¹Federal permits are not likely required.

PLANNING LEVEL OPINION OF COST

- Construction estimate includes 30% contingency for planning purposes.
- Proposed project footprints based on GIS analysis.

Table 2. Planning Level Opinion of Cost

Item	Total Cost Opinion
Construction	\$543,000
Design, Permitting, Ancillary	\$270,000
Real Estate, Maintenance	\$27,000
Total Planning Cost	\$840,000



Existing Stormwater Structures		Junction Box (blind)	Lakes and Ponds
Catch Basin	Manhole	Outlet Control Structure	Sanitary Sewer
Drop Inlet	Pipe End	Water Supply	Stream
Headwall	Storage Facility	Parcels	Bioretention
Intersection	Stormwater Pipe	RSC	
Junction Box			

NAME OF PROJECT: HAMPTON SQUARE BIORETENTION (SITE NO. 12)

PROBLEM IDENTIFICATION and SITE CHARACTERISTICS

LOCATION: Hampton Square Drive near the intersection with Frellig Trace

WATERSHED PRIORITY: Medium

DRAINAGE AREA to PROJECT: Approximately 1 acre

PROJECT DESCRIPTION and BENEFIT

Bioretention (1 acres treated): Provide approximately 0.1 acres of treatment for pollutant removal as follows:

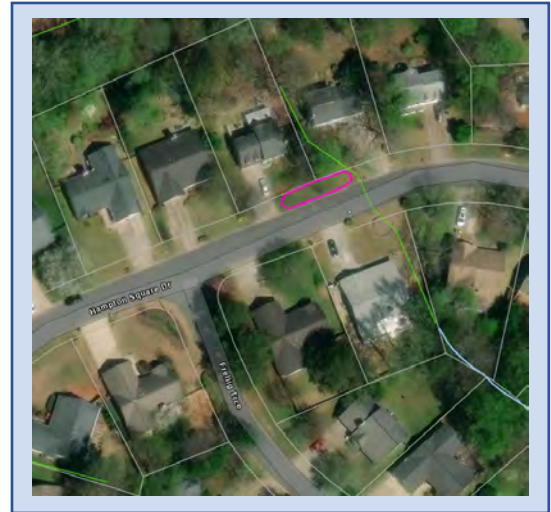
- Grade in new bioretention area in right of way adjacent to piped crossing at 4710 Hampton Square Drive.
- Install bioretention media and plantings.
- Install new outfall structure.

PROJECT PRIORITIZATION CRITERIA SCORE

Table 1. Prioritization Criteria Score

Prioritization Category	Score
Land Ownership	18
Drainage Area Treated	2
Fecal Coliform Removal Efficiency	27
Constructability	5
Tree Cover	10
Ease of Access	2
Permit Requirements ¹	3
Integrated with Existing CIP	0
TOTAL SCORE	68

¹Federal permits are not likely required.

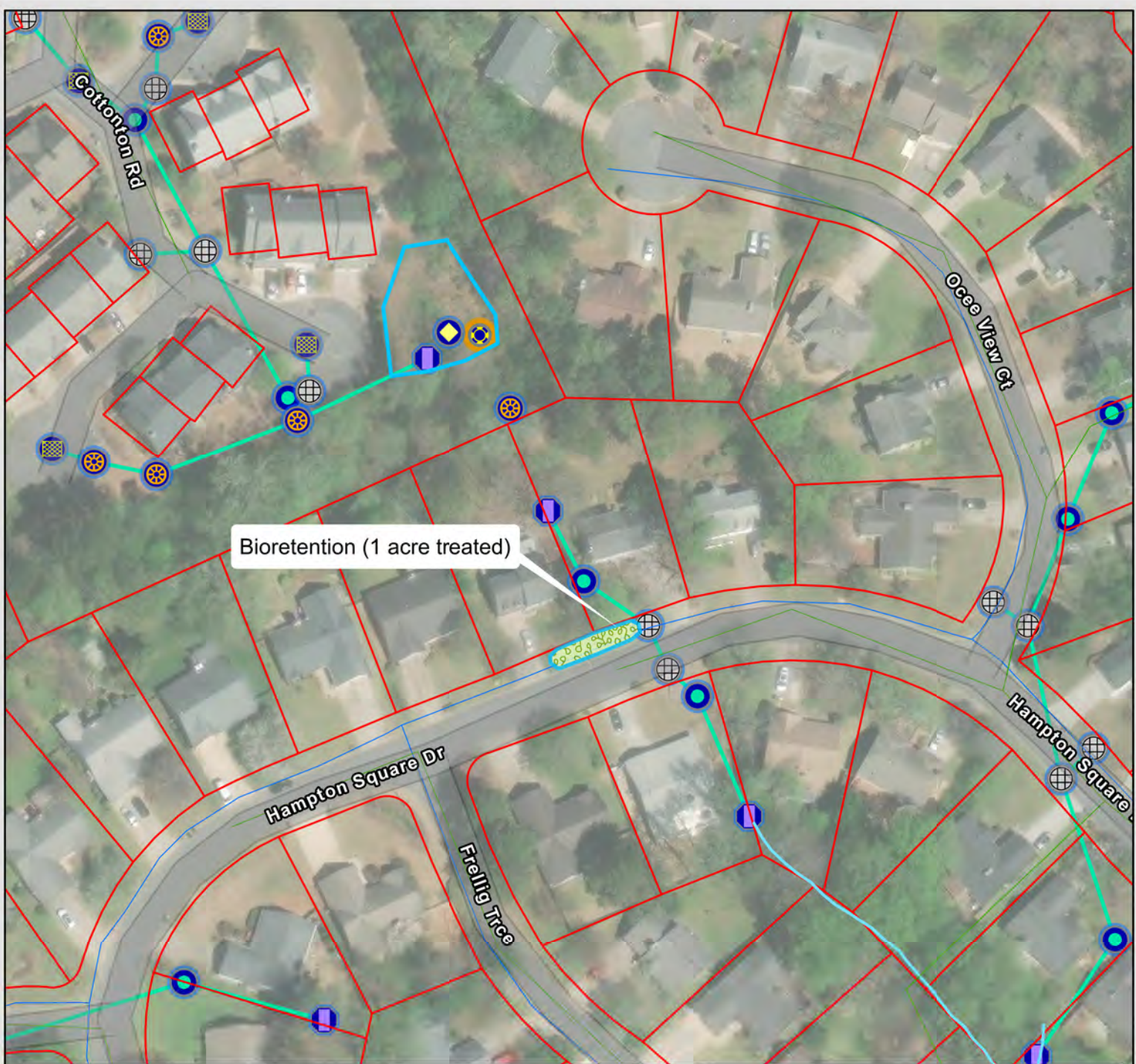


PLANNING LEVEL OPINION OF COST

- Construction estimate includes 30% contingency for planning purposes.
- Proposed project footprints based on GIS analysis.

Table 2. Planning Level Opinion of Cost

Item	Cost Opinion
Construction	\$73,000
Design, Permitting, Ancillary	\$34,000
Real Estate, Maintenance	\$5,000
Total Planning Cost	\$112,000



Bioretention (1 acre treated)

Existing Stormwater Structures		Manhole	Sanitary Sewer
Catch Basin	Outlet Control Structure	Water Supply	Stream
Drop Inlet	Storage Facility	Parcels	Bioretention
Headwall	Stormwater Pipe	Lakes and Ponds	
Junction Box			

NAME OF PROJECT: OCEE PARK BIORETENTION, BIOSWALE AND STREAM RESTORATION (SITE NO. P1)

PROBLEM IDENTIFICATION and SITE CHARACTERISTICS

LOCATION: Ocee Park on Buice Road
WATERSHED PRIORITY: Medium
DRAINAGE AREA to PROJECT: Approximately 2 acres



PROJECT DESCRIPTION and BENEFIT

Stream Restoration: Provide stream stabilization, restoration and riparian buffer restoration as follows:

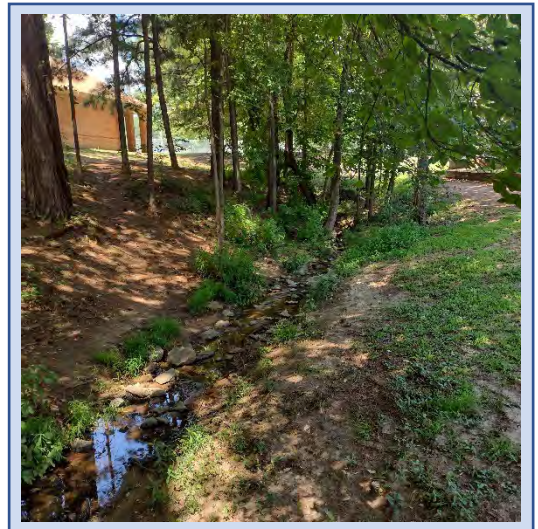
- Stabilize both banks of the channel between the playground and T-ball field and add riparian plantings.

BIOSWALE (1 acres treated): Provide approximately 1300 linear feet of stream stabilization and restoration as follows:

- Enhance the existing swale behind the T-ball field with media and plantings.

Bioretention (1 acres treated): Provide approximately 0.1 acres of treatment for pollutant removal as follows:

- Install bioretention cells in parking lot between Buice Road entrance and baseball fields, using existing medians where possible.
- Install bioretention media and plantings.
- Install new outfall structures.



PROJECT PRIORITIZATION CRITERIA SCORE

Prioritization Category	Score
Land Ownership	18
Drainage Area Treated	4
Pollutant Removal Efficiency	27
Constructability	5
Tree Cover	6
Ease of Access	4
Permit Requirements ¹	3
Integrated with Existing CIP	0
TOTAL SCORE	67

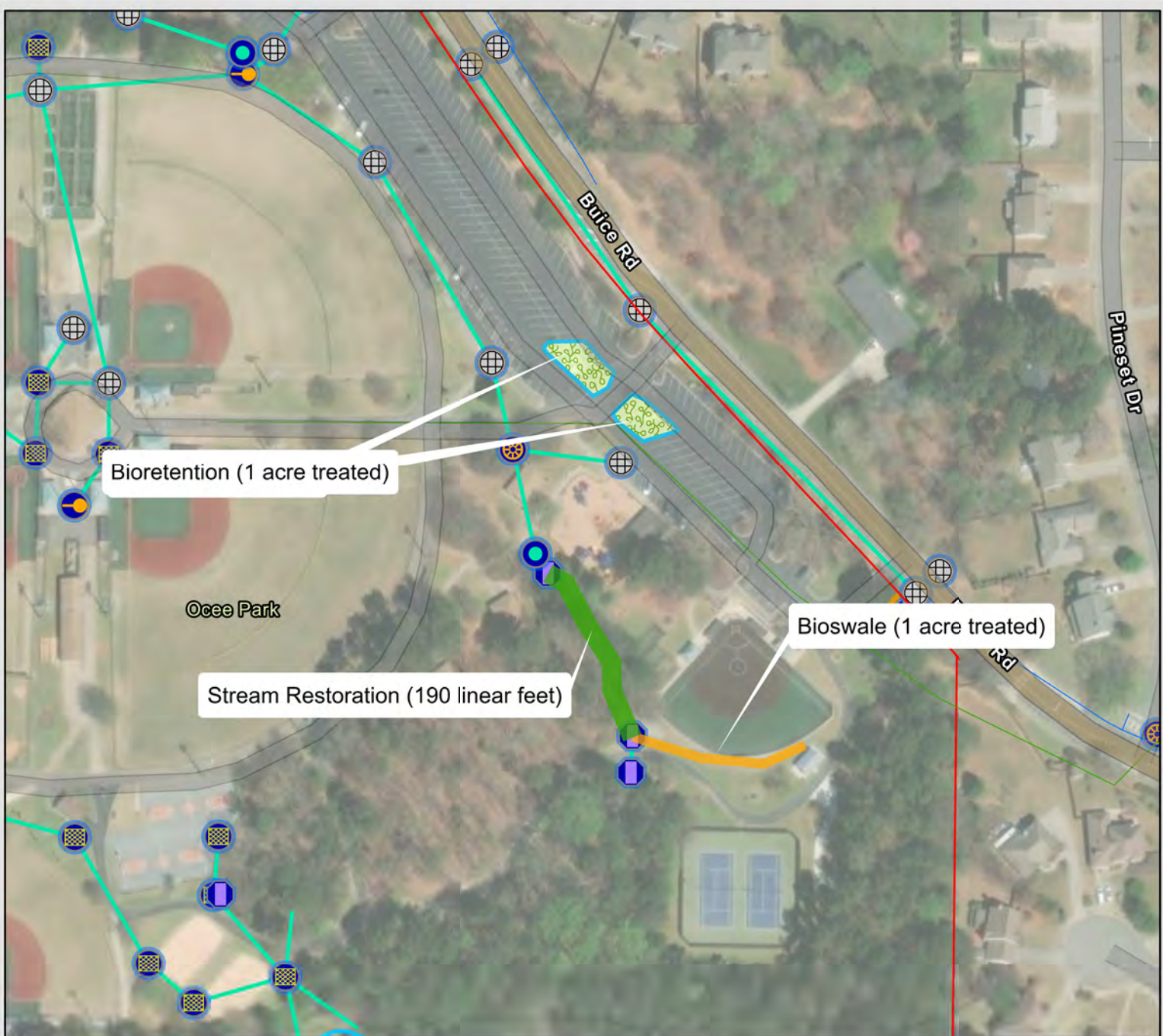
¹ Federal permits are not likely required.

PLANNING LEVEL OPINION OF COST

- Construction estimate includes 30% contingency for planning purposes.
- Proposed project footprints based on GIS analysis.

Table 2. Planning Level Opinion of Cost

Item	Total Cost Opinion
Construction	\$312,000
Design, Permitting, Ancillary	\$155,000
Real Estate, Maintenance	\$16,000
Total Planning Cost	\$483,000



Bioretention (1 acre treated)

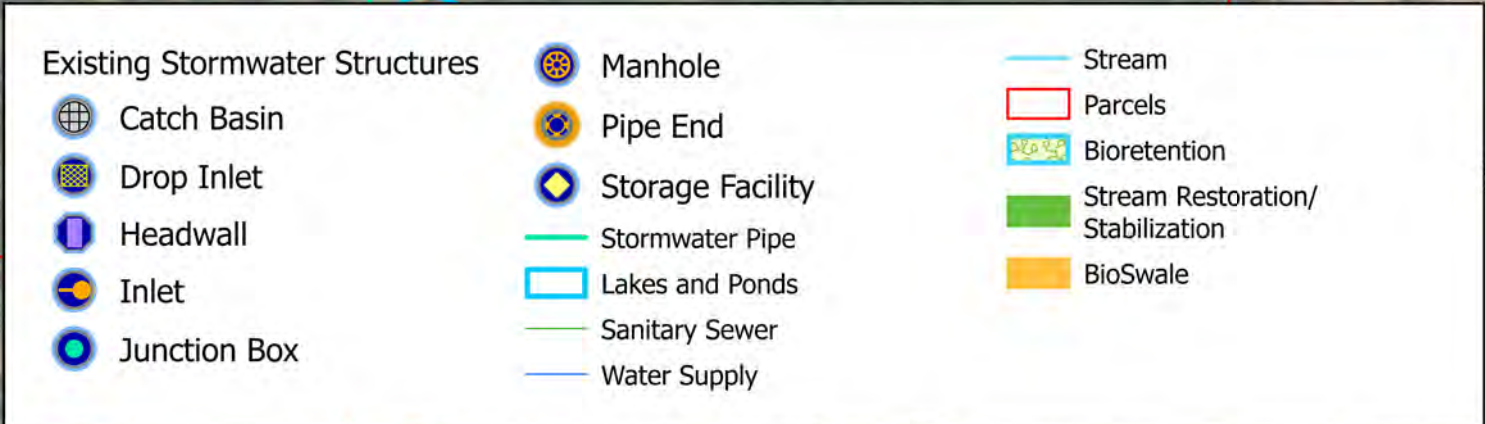
Stream Restoration (190 linear feet)

Bioswale (1 acre treated)

Ocee Park

Buice Rd

Pineset Dr



NAME OF PROJECT: BROOKHOLLOW RAIN GARDEN (SITE NO. 20)

PROBLEM IDENTIFICATION and SITE CHARACTERISTICS

LOCATION: Brookhollow Subdivision near the intersection of Brookhollow Trail and Creekside Drive
WATERSHED PRIORITY: Medium
DRAINAGE AREA to PROJECT: Approximately 1 acre

PROJECT DESCRIPTION and BENEFIT

Rain Garden (1 acre treated): Provide approximately 0.1 acres of treatment for pollutant removal as follows:

- Convert space between curb and property line to rain garden/bioretention planter to capture and treat road runoff.
- Retrofit will be placed by neighborhood clubhouse to provide example to homeowners of what could be implemented on their streets.
- Install media and plantings and provide curb cuts to direct runoff from street into rain garden.

PROJECT PRIORITIZATION CRITERIA SCORE

Table 1. Prioritization Criteria Score

Prioritization Category	Score
Land Ownership	6
Drainage Area Treated	2
Fecal Coliform Removal Efficiency	24
Constructability	5
Tree Cover	10
Ease of Access	4
Permit Requirements ¹	3
Integrated with Existing CIP	5
TOTAL SCORE	59

¹Federal permits are not likely required.



PLANNING LEVEL OPINION OF COST

- Construction estimate includes 30% contingency for planning purposes.
- Proposed project footprints based on GIS analysis.

Table 2. Planning Level Opinion of Cost

Item	Cost Opinion
Construction	\$40,000
Design, Permitting, Ancillary	\$21,000
Real Estate, Maintenance	\$3,000
Total Planning Cost	\$64,000



Rain Garden (0.5 acres treated)

Existing Stormwater Structures	
	Catch Basin
	Drop Inlet
	Headwall
	Inlet
	Manhole
	Stormwater Pipe
	Lakes and Ponds
	Sanitary Sewer
	Water Supply
	Stream
	Parcels
	Rain Garden/Planter

NAME OF PROJECT: CHURCHILL DOWNS BIORETENTION (SITE NO. 10)

PROBLEM IDENTIFICATION and SITE CHARACTERISTICS

LOCATION: Weathervane Drive in Churchill Downs neighborhood

WATERSHED PRIORITY: Medium

DRAINAGE AREA to PROJECT: Approximately 1 acre

PROJECT DESCRIPTION and BENEFIT

Bioretention (1 acre treated): Provide approximately 0.1 acres of treatment for pollutant removal as follows:

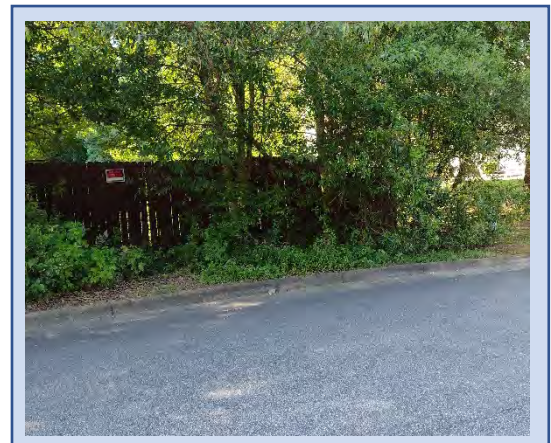
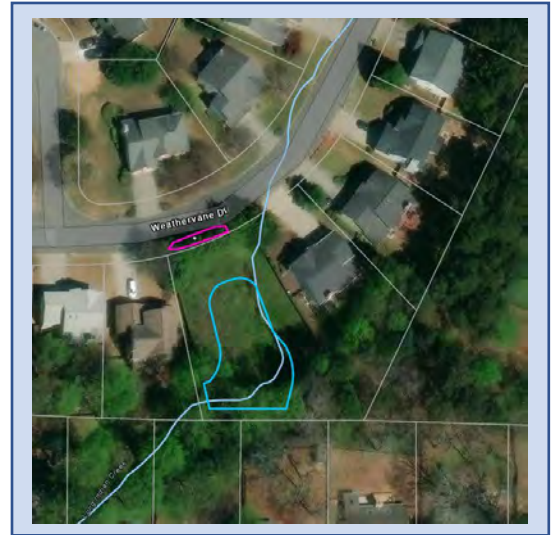
- Grade in new bioretention area in right of way adjacent to detention pond at 4550 Hampton Square Drive.
- Install bioretention media and plantings.
- Install new outfall structure.

PROJECT PRIORITIZATION CRITERIA SCORE

Table 1. Prioritization Criteria Score

Prioritization Category	Score
Land Ownership	18
Drainage Area Treated	2
Fecal Coliform Removal Efficiency	27
Constructability	5
Tree Cover	2
Ease of Access	1
Permit Requirements ¹	3
Integrated with Existing CIP	0
TOTAL SCORE	58

¹Federal permits are not likely required.



PLANNING LEVEL OPINION OF COST

- Construction estimate includes 30% contingency for planning purposes.
- Proposed project footprints based on GIS analysis.

Table 2. Planning Level Opinion of Cost

Item	Cost Opinion
Construction	\$57,000
Design, Permitting, Ancillary	\$30,000
Real Estate, Maintenance	\$4,000
Total Planning Cost	\$91,000



Bioretention (0.5 acres treated)

Existing Stormwater Structures		● Junction Box (blind)	— Sanitary Sewer
⊕ Catch Basin	⊕ Manhole	— Water Supply	— Stream
⊗ Control Structure	⬠ Storage Facility	▭ Parcels	▭ Bioretention
⊞ Drop Inlet	— Stormwater Pipe		
⊞ Headwall	▭ Lakes and Ponds		

NAME OF PROJECT: HARTRIDGE BIORETENTION (SITE NO. 15)

PROBLEM IDENTIFICATION and SITE CHARACTERISTICS

LOCATION: Arbor Woods Drive between Lord N Lady Lane and King Arms Way

WATERSHED PRIORITY: Low

DRAINAGE AREA to PROJECT: Approximately 1 acre

PROJECT DESCRIPTION and BENEFIT

Bioretention (1 acre treated): Provide approximately 0.1 acres of treatment for pollutant removal as follows:

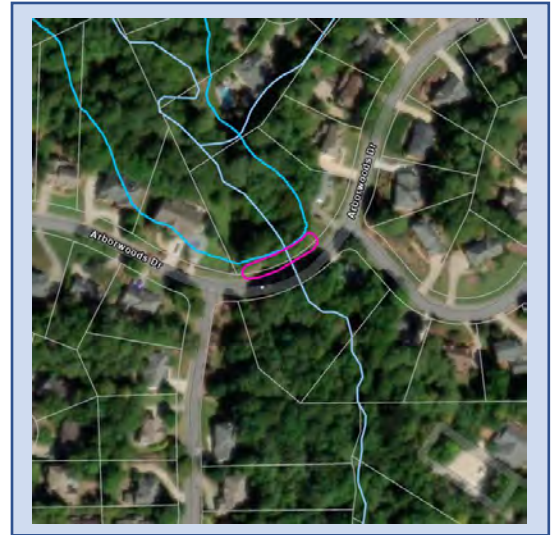
- Grade in new bioretention area in right of way adjacent to detention pond at 3230 Arbor Woods Drive.
- Install bioretention media and plantings.
- Install new outfall structure.

PROJECT PRIORITIZATION CRITERIA SCORE

Table 1. Prioritization Criteria Score

Prioritization Category	Score
Land Ownership	6
Drainage Area Treated	2
Fecal Coliform Removal Efficiency	27
Constructability	5
Tree Cover	6
Ease of Access	2
Permit Requirements ¹	3
Integrated with Existing CIP	5
TOTAL SCORE	56

¹Federal permits are not likely required.

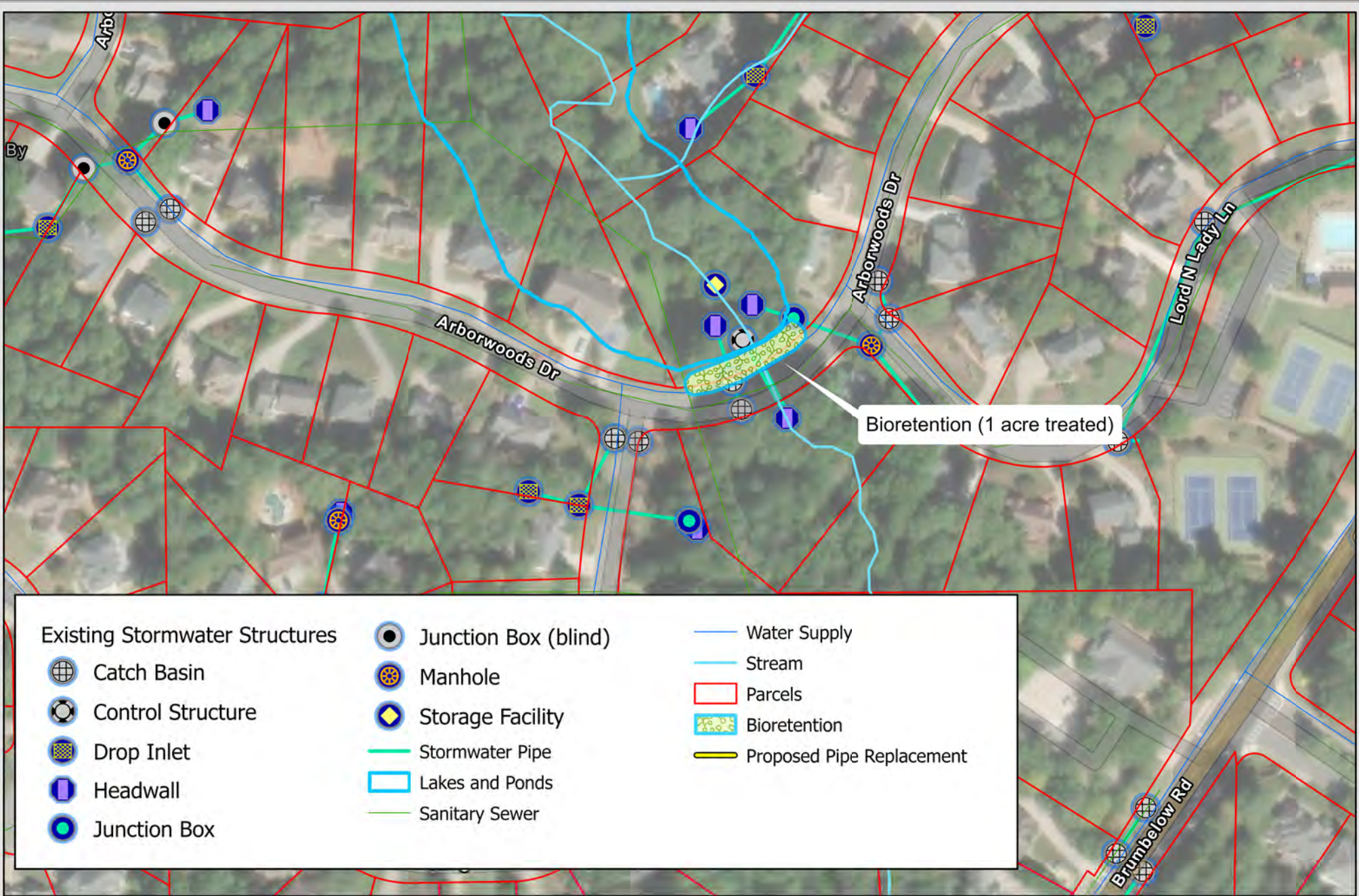


PLANNING LEVEL OPINION OF COST

- Construction estimate includes 30% contingency for planning purposes.
- Proposed project footprints based on GIS analysis.

Table 2. Planning Level Opinion of Cost

Item	Cost Opinion
Construction	\$95,000
Design, Permitting, Ancillary	\$45,000
Real Estate, Maintenance	\$46,000
Total Planning Cost	\$186,000



NAME OF PROJECT: ATLANTA/FULTON COUNTY WTP STREAM RESTORATION AND PIPE REPLACEMENT (SITE NO. 5/6/11)

PROBLEM IDENTIFICATION and SITE CHARACTERISTICS

LOCATION: Atlanta/Fulton County WTP on Spruill Road

WATERSHED PRIORITY: Medium

DRAINAGE AREA to PROJECT: Approximately 6 acres

PROJECT DESCRIPTION and BENEFIT

Stream Restoration: Provide stream stabilization, restoration and riparian buffer restoration as follows:

- Stabilize both banks of the channel for 250 feet downstream of the wet pond and add riparian plantings.

Pipe Replacement: Replace failing twin 24" CMP pipes with new 24" RCP under access road west of plant.



PROJECT PRIORITIZATION CRITERIA SCORE

Prioritization Category	Score
Land Ownership	18
Drainage Area Treated	2
Pollutant Removal Efficiency	21
Constructability	10
Tree Cover	2
Ease of Access	1
Permit Requirements ¹	2
Integrated with Existing CIP	0
TOTAL SCORE	56

¹Federal permits are not likely required.

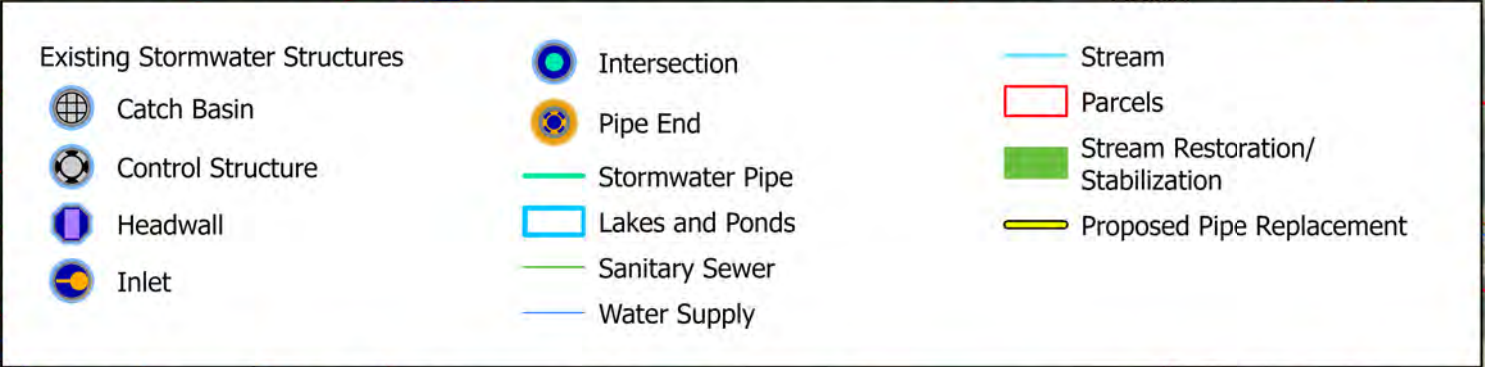


PLANNING LEVEL OPINION OF COST

- Construction estimate includes 30% contingency for planning purposes.
- Proposed project footprints based on GIS analysis.

Table 2. Planning Level Opinion of Cost

Item	Total Cost Opinion
Construction	\$345,000
Design, Permitting, Ancillary	\$162,000
Real Estate, Maintenance	\$17,000
Total Planning Cost	\$524,000



APPENDIX D

Planning Level Cost Estimates

**Opinion of Probable Construction Cost
For City of Johns Creek
Zone 1 Watershed
Z1-S2 Barnwell Elementary Bioretention**

Project: Barnwell Elementary Bioretention			WKD NO: 20230449.00.RA		
Owner: City of Johns Creek			Date: 9/13/2023		
Item No.	Item Description	Unit	Qty	Unit Price	Total
1	Mobilization, Demobilization	LS	1	\$ 7,000.00	\$ 7,000.00
2	Bonds, Insurance	LS	1	\$ 3,000.00	\$ 3,000.00
3	Erosion and Sediment Control	LS	1	\$ 7,000.00	\$ 7,000.00
4	Traffic Control	LS	1	\$ 3,000.00	\$ 3,000.00
5	As-Built Drawings	LS	1	\$ 5,000.00	\$ 5,000.00
6	Clearing and grubbing	SY	300	\$ 5.00	\$ 1,500.00
7	Bioretention Filter Media	CY	400	\$ 60.00	\$ 24,000.00
8	Classified Stone (All sizes)	TON	4	\$ 85.00	\$ 300.00
9	RipRap	TON	1	\$ 65.00	\$ 100.00
10	Earthwork	CY	400	\$ 50.00	\$ 20,000.00
11	Underdrain	LF	130	\$ 35.00	\$ 4,600.00
12	Outlet control Structure	EA	1	\$ 20,000.00	\$ 20,000.00
13	Geotextile fabric	SY	300	\$ 7.00	\$ 2,100.00
14	Wood mulch	SY	300	\$ 5.00	\$ 1,500.00
15	Container Plantings (1-Gallon)	EA	140	\$ 15.00	\$ 2,100.00
Sub-Total					\$ 101,200.00
Contingency (30%)					\$ 30,000.00
Total					\$ 131,000.00

**Opinion of Probable Construction Cost
For City of Johns Creek
Zone 1 Watershed
Z1-S3 Autrey Mill Middle Bioretention**

Project: Autrey Mill Middle Bioretention			WKD NO: 20230449.00.RA		
Owner: City of Johns Creek			Date: 9/13/2023		
Item No.	Item Description	Unit	Qty	Unit Price	Total
1	Mobilization, Demobilization	LS	1	\$ 12,000.00	\$ 12,000.00
2	Bonds, Insurance	LS	1	\$ 5,000.00	\$ 5,000.00
3	Erosion and Sediment Control	LS	1	\$ 12,000.00	\$ 12,000.00
4	Traffic Control	LS	1	\$ 5,000.00	\$ 5,000.00
5	As-Built Drawings	LS	1	\$ 5,000.00	\$ 5,000.00
6	Clearing and grubbing	SY	450	\$ 5.00	\$ 2,300.00
7	Bioretention Filter Media	CY	600	\$ 60.00	\$ 36,000.00
8	Classified Stone (All sizes)	TON	5	\$ 85.00	\$ 400.00
9	RipRap	TON	1	\$ 65.00	\$ 100.00
10	Earthwork	CY	600	\$ 50.00	\$ 30,000.00
11	Underdrain	LF	210	\$ 35.00	\$ 7,400.00
12	Outlet control Structure	EA	3	\$ 20,000.00	\$ 60,000.00
13	Geotextile fabric	SY	450	\$ 7.00	\$ 3,200.00
14	Wood mulch	SY	450	\$ 5.00	\$ 2,300.00
15	Container Plantings (1-Gallon)	EA	200	\$ 15.00	\$ 3,000.00
				Sub-Total	\$ 183,700.00
				Contingency (30%)	\$ 55,000.00
				Total	\$ 239,000.00

**Opinion of Probable Construction Cost
For City of Johns Creek
Zone 1 Watershed
Z1-S1 Ocee Elementary Bioretention**

Project: Ocee Elementary Bioretention				WKD NO: 20230449.00.RA	
Owner: City of Johns Creek				Date: 9/13/2023	
Item No.	Item Description	Unit	Qty	Unit Price	Total
1	Mobilization, Demobilization	LS	1	\$ 6,000.00	\$ 6,000.00
2	Bonds, Insurance	LS	1	\$ 3,000.00	\$ 3,000.00
3	Erosion and Sediment Control	LS	1	\$ 6,000.00	\$ 6,000.00
4	Traffic Control	LS	1	\$ 3,000.00	\$ 3,000.00
5	As-Built Drawings	LS	1	\$ 5,000.00	\$ 5,000.00
6	Clearing and grubbing	SY	270	\$ 5.00	\$ 1,400.00
7	Bioretention Filter Media	CY	360	\$ 60.00	\$ 21,600.00
8	Classified Stone (All sizes)	TON	3	\$ 85.00	\$ 300.00
9	RipRap	TON	1	\$ 65.00	\$ 100.00
10	Earthwork	CY	360	\$ 50.00	\$ 18,000.00
11	Underdrain	LF	80	\$ 35.00	\$ 2,800.00
12	Outlet control Structure	EA	1	\$ 20,000.00	\$ 20,000.00
13	Geotextile fabric	SY	270	\$ 7.00	\$ 1,900.00
14	Wood mulch	SY	270	\$ 5.00	\$ 1,400.00
15	Container Plantings (1-Gallon)	EA	120	\$ 15.00	\$ 1,800.00
				Sub-Total	\$ 92,300.00
				Contingency (30%)	\$ 28,000.00
				Total	\$ 120,000.00

**Opinion of Probable Construction Cost
For City of Johns Creek
Zone 1 Watershed
Z1-P2 Newtown Park Bioretention and RSC**

Project: Newtown Park Bioretention and RSC			WKD NO: 20230449.00.RA		
Owner: City of Johns Creek			Date: 9/13/2023		
Item No.	Item Description	Unit	Qty	Unit Price	Total
1	Mobilization, Demobilization	LS	1	\$ 8,000.00	\$ 8,000.00
2	Bonds, Insurance	LS	1	\$ 3,000.00	\$ 3,000.00
3	Erosion and Sediment Control	LS	1	\$ 8,000.00	\$ 8,000.00
4	Traffic Control	LS	1	\$ 3,000.00	\$ 3,000.00
5	As-Built Drawings	LS	1	\$ 5,000.00	\$ 5,000.00
6	Clearing and grubbing	SY	160	\$ 5.00	\$ 800.00
7	Bioretention Filter Media	CY	220	\$ 60.00	\$ 13,200.00
8	Classified Stone (All sizes)	TON	2	\$ 85.00	\$ 200.00
9	RipRap	TON	1	\$ 65.00	\$ 100.00
10	Earthwork	CY	220	\$ 50.00	\$ 11,000.00
11	Underdrain	LF	80	\$ 35.00	\$ 2,800.00
12	Outlet control Structure	EA	3	\$ 20,000.00	\$ 60,000.00
13	Geotextile fabric	SY	160	\$ 7.00	\$ 1,100.00
14	Wood mulch	SY	160	\$ 5.00	\$ 800.00
15	Container Plantings (1-Gallon)	EA	30	\$ 15.00	\$ 500.00
16	Regenerative Stormwater Conveyance	LF	250	\$ 1,200.00	\$ 300,000.00
Sub-Total					\$ 417,500.00
Contingency (30%)					\$ 125,000.00
Total					\$ 543,000.00

Opinion of Probable Construction Cost
For City of Johns Creek
Zone 1 Watershed
Z1-12 Hampton Square Bioretention

Project 12: Hampton Square Bioretention				WKD NO: 20230449.00.RA	
Owner: City of Johns Creek				Date: 9/13/2023	
Item No.	Item Description	Unit	Qty	Unit Price	Total
1	Mobilization, Demobilization	LS	1	\$ 4,000.00	\$ 4,000.00
2	Bonds, Insurance	LS	1	\$ 2,000.00	\$ 2,000.00
3	Erosion and Sediment Control	LS	1	\$ 4,000.00	\$ 4,000.00
4	Traffic Control	LS	1	\$ 2,000.00	\$ 2,000.00
5	As-Built Drawings	LS	1	\$ 5,000.00	\$ 5,000.00
6	Clearing and grubbing	SY	100	\$ 5.00	\$ 500.00
7	Bioretention Filter Media	CY	130	\$ 60.00	\$ 7,800.00
8	Classified Stone (All sizes)	TON	1	\$ 85.00	\$ 100.00
9	RipRap	TON	1	\$ 65.00	\$ 100.00
10	Earthwork	CY	130	\$ 50.00	\$ 6,500.00
11	Underdrain	LF	70	\$ 35.00	\$ 2,500.00
12	Outlet control Structure	EA	1	\$ 20,000.00	\$ 20,000.00
13	Geotextile fabric	SY	100	\$ 7.00	\$ 700.00
14	Wood mulch	SY	100	\$ 5.00	\$ 500.00
15	Container Plantings (1-Gallon)	EA	40	\$ 15.00	\$ 600.00
				Sub-Total	\$ 56,300.00
				Contingency (30%)	\$ 17,000.00
				Total	\$ 73,000.00

**Opinion of Probable Construction Cost
For City of Johns Creek
Zone 1 Watershed
Z1-P1 Ocee Park Bioswale, Bioretention and Stream Restoration**

Project: Ocee Park Bioswale, Bioretention and Stream Restoration

WKD NO: 20230449.00.RA

Owner: City of Johns Creek

Date: 9/13/2023

Item No.	Item Description	Unit	Qty	Unit Price	Total
1	Mobilization, Demobilization	LS	1	\$ 16,000.00	\$ 16,000.00
2	Bonds, Insurance	LS	1	\$ 6,000.00	\$ 6,000.00
3	Erosion and Sediment Control	LS	1	\$ 15,000.00	\$ 15,000.00
4	Traffic Control	LS	1	\$ 6,000.00	\$ 6,000.00
5	As-Built Drawings	LS	1	\$ 5,000.00	\$ 5,000.00
6	Clearing and grubbing	SY	650	\$ 5.00	\$ 3,300.00
7	Bioretention Filter Media	CY	900	\$ 60.00	\$ 54,000.00
8	Classified Stone (All sizes)	TON	8	\$ 85.00	\$ 700.00
9	RipRap	TON	2	\$ 65.00	\$ 100.00
10	Earthwork	CY	900	\$ 50.00	\$ 45,000.00
11	Underdrain	LF	150	\$ 35.00	\$ 5,300.00
12	Outlet control Structure	EA	2	\$ 20,000.00	\$ 40,000.00
13	Geotextile fabric	SY	650	\$ 7.00	\$ 4,600.00
14	Wood mulch	SY	650	\$ 5.00	\$ 3,300.00
15	Container Plantings (1-Gallon)	EA	300	\$ 15.00	\$ 4,500.00
16	Stream Enhancement	LF	190	\$ 150.00	\$ 28,500.00
17	Riparian Buffer Plantings	AC	0.1	\$ 25,000.00	\$ 2,500.00
Sub-Total					\$ 239,800.00
Contingency (30%)					\$ 72,000.00
Total					\$ 312,000.00

**Opinion of Probable Construction Cost
For City of Johns Creek
Zone 1 Watershed
Z1-20 Brookhollow Rain Garden**

Project 20: Brookhollow Rain Garden

WKD NO: 20230449.00.RA

Owner: City of Johns Creek

Date: 9/13/2023

Item No.	Item Description	Unit	Qty	Unit Price	Total
1	Mobilization, Demobilization	LS	1	\$ 2,000.00	\$ 2,000.00
2	Bonds, Insurance	LS	1	\$ 1,000.00	\$ 1,000.00
3	Erosion and Sediment Control	LS	1	\$ 2,000.00	\$ 2,000.00
4	Traffic Control	LS	1	\$ 1,000.00	\$ 1,000.00
5	As-Built Drawings	LS	1	\$ 5,000.00	\$ 5,000.00
6	Clearing and grubbing	SY	200	\$ 5.00	\$ 1,000.00
7	Bioretention Filter Media	CY	120	\$ 60.00	\$ 7,200.00
8	Classified Stone (All sizes)	TON	2	\$ 85.00	\$ 200.00
9	RipRap	TON	1	\$ 65.00	\$ 100.00
10	Earthwork	CY	120	\$ 50.00	\$ 6,000.00
11	Underdrain	LF	50	\$ 35.00	\$ 1,800.00
12	Geotextile fabric	SY	200	\$ 7.00	\$ 1,400.00
13	Wood mulch	SY	200	\$ 5.00	\$ 1,000.00
14	Container Plantings (1-Gallon)	EA	80	\$ 15.00	\$ 1,200.00
Sub-Total					\$ 30,900.00
Contingency (30%)					\$ 9,000.00
Total					\$ 40,000.00

**Opinion of Probable Construction Cost
For City of Johns Creek
Zone 1 Watershed
Z1-10 Churchill Downs Bioretention**

Project 10: Churchill Downs Bioretention				WKD NO: 20230449.00.RA	
Owner: City of Johns Creek				Date: 9/13/2023	
Item No.	Item Description	Unit	Qty	Unit Price	Total
1	Mobilization, Demobilization	LS	1	\$ 3,000.00	\$ 3,000.00
2	Bonds, Insurance	LS	1	\$ 2,000.00	\$ 2,000.00
3	Erosion and Sediment Control	LS	1	\$ 3,000.00	\$ 3,000.00
4	Traffic Control	LS	1	\$ 2,000.00	\$ 2,000.00
5	As-Built Drawings	LS	1	\$ 5,000.00	\$ 5,000.00
6	Clearing and grubbing	SY	50	\$ 5.00	\$ 300.00
7	Bioretention Filter Media	CY	50	\$ 60.00	\$ 3,000.00
8	Classified Stone (All sizes)	TON	1	\$ 85.00	\$ 100.00
9	RipRap	TON	1	\$ 65.00	\$ 100.00
10	Earthwork	CY	50	\$ 50.00	\$ 2,500.00
11	Underdrain	LF	50	\$ 35.00	\$ 1,800.00
12	Outlet control Structure	EA	1	\$ 20,000.00	\$ 20,000.00
13	Geotextile fabric	SY	50	\$ 7.00	\$ 400.00
14	Wood mulch	SY	50	\$ 5.00	\$ 300.00
15	Container Plantings (1-Gallon)	EA	20	\$ 15.00	\$ 300.00
				Sub-Total	\$ 43,800.00
				Contingency (30%)	\$ 13,000.00
				Total	\$ 57,000.00

**Opinion of Probable Construction Cost
For City of Johns Creek
Zone 1 Watershed
Z1-15 Hartridge Bioretention**

Project 15: Hartridge Bioretention				WKD NO: 20230449.00.RA	
Owner: City of Johns Creek				Date: 9/13/2023	
Item No.	Item Description	Unit	Qty	Unit Price	Total
1	Mobilization, Demobilization	LS	1	\$ 5,000.00	\$ 5,000.00
2	Bonds, Insurance	LS	1	\$ 2,000.00	\$ 2,000.00
3	Erosion and Sediment Control	LS	1	\$ 5,000.00	\$ 5,000.00
4	Traffic Control	LS	1	\$ 2,000.00	\$ 2,000.00
5	As-Built Drawings	LS	1	\$ 5,000.00	\$ 5,000.00
6	Clearing and grubbing	SY	170	\$ 5.00	\$ 900.00
7	Bioretention Filter Media	CY	220	\$ 60.00	\$ 13,200.00
8	Classified Stone (All sizes)	TON	2	\$ 85.00	\$ 200.00
9	RipRap	TON	1	\$ 65.00	\$ 100.00
10	Earthwork	CY	220	\$ 50.00	\$ 11,000.00
11	Underdrain	LF	150	\$ 35.00	\$ 5,300.00
12	Outlet control Structure	EA	1	\$ 20,000.00	\$ 20,000.00
13	Geotextile fabric	SY	170	\$ 7.00	\$ 1,200.00
14	Wood mulch	SY	170	\$ 5.00	\$ 900.00
15	Container Plantings (1-Gallon)	EA	75	\$ 15.00	\$ 1,100.00
				Sub-Total	\$ 72,900.00
				Contingency (30%)	\$ 22,000.00
				Total	\$ 95,000.00

**Opinion of Probable Construction Cost
For City of Johns Creek
Zone 1 Watershed
Z1-5,6 and 11 Atlanta/Fulton County WTP Stream Restoration and Pipe Replacement**

Project 5,6 and 11: Atlanta/Fulton County WTP Stream Restoration and Pipe Replacement			WKD NO: 20230449.00.RA		
Owner: City of Johns Creek			Date: 9/13/2023		
Item No.	Item Description	Unit	Qty	Unit Price	Total
1	Mobilization, Demobilization	LS	1	\$ 18,000.00	\$ 18,000.00
2	Bonds, Insurance	LS	1	\$ 7,000.00	\$ 7,000.00
3	Erosion and Sediment Control	LS	1	\$ 17,000.00	\$ 17,000.00
4	Traffic Control	LS	1	\$ 7,000.00	\$ 7,000.00
5	As-Built Drawings	LS	1	\$ 5,000.00	\$ 5,000.00
6	Clearing and grubbing	SY	2800	\$ 5.00	\$ 14,000.00
7	Earthwork	CY	1900	\$ 35.00	\$ 66,500.00
8	Stream Restoration*	LF	250	\$ 350.00	\$ 87,500.00
9	Riparian Buffer Plantings	AC	0.6	\$ 25,000.00	\$ 15,000.00
10	24-inch RCP, Class IV	LF	50	\$ 160.00	\$ 8,000.00
11	24-inch RCP Concrete Headwall	EA	4	\$ 5,100.00	\$ 20,400.00
Sub-Total					\$ 265,400.00
Contingency (30%)					\$ 80,000.00
Total					\$ 345,000.00

Z1-S2	% OF CONSTRUCTION	AMOUNT
Project Management	10%	\$ 13,000.00
Survey	3%	\$ 4,000.00
Design and Permitting	20%	\$ 26,000.00
Geotechnical Investigation	1%	\$ 1,000.00
Structural Evaluation	0%	\$ -
Real Estate Acquisition	0%	\$ -
Utility Relocation	2%	\$ 3,000.00
Project Maintenance (3yr)	5%	\$ 7,000.00
Materials Testing	1%	\$ 1,000.00
Construction Inspections	10%	\$ 13,000.00
Construction	100%	\$ 131,000.00
PLANNING LEVEL OPINION OF PROJECT COST: Z3-1,11,32		\$ 199,000.00
Real Estate, Maintenance		\$ 7,000.00
Design, CA, Permitting, Survey, Geotech, etc		\$ 61,000.00

Z1-P1	% OF CONSTRUCTION	AMOUNT
Project Management	10%	\$ 31,000.00
Survey	3%	\$ 9,000.00
Design and Permitting	20%	\$ 62,000.00
Geotechnical Investigation	1%	\$ 3,000.00
Structural Evaluation	0%	\$ -
Real Estate Acquisition	0%	\$ -
Utility Relocation	5%	\$ 16,000.00
Project Maintenance (3yr)	5%	\$ 16,000.00
Materials Testing	1%	\$ 3,000.00
Construction Inspections	10%	\$ 31,000.00
Construction	100%	\$ 312,000.00
PLANNING LEVEL OPINION OF PROJECT COST: Z3-6		\$ 483,000.00
Real Estate, Maintenance		\$ 16,000.00
Design, CA, Permitting, Survey, Geotech, etc		\$ 155,000.00

Z1-S3	% OF CONSTRUCTION	AMOUNT
Project Management	10%	\$ 24,000.00
Survey	3%	\$ 7,000.00
Design and Permitting	20%	\$ 48,000.00
Geotechnical Investigation	1%	\$ 2,000.00
Structural Evaluation	0%	\$ -
Real Estate Acquisition	0%	\$ -
Utility Relocation	5%	\$ 12,000.00
Project Maintenance (3yr)	5%	\$ 12,000.00
Materials Testing	1%	\$ 2,000.00
Construction Inspections	10%	\$ 24,000.00
Construction	100%	\$ 239,000.00
PLANNING LEVEL OPINION OF PROJECT COST: Z3-2,3		\$ 370,000.00
Real Estate, Maintenance		\$ 12,000.00
Design, CA, Permitting, Survey, Geotech, etc		\$ 119,000.00

Z1-20	% OF CONSTRUCTION	AMOUNT
Project Management	10%	\$ 4,000.00
Survey	3%	\$ 1,000.00
Design and Permitting	20%	\$ 8,000.00
Geotechnical Investigation	1%	\$ 1,000.00
Structural Evaluation	0%	\$ -
Real Estate Acquisition	1%	\$ 1,000.00
Utility Relocation	5%	\$ 2,000.00
Project Maintenance (3yr)	5%	\$ 2,000.00
Materials Testing	1%	\$ 1,000.00
Construction Inspections	10%	\$ 4,000.00
Construction	100%	\$ 40,000.00
PLANNING LEVEL OPINION OF PROJECT COST: Z3-24		\$ 64,000.00
Real Estate, Maintenance		\$ 3,000.00
Design, CA, Permitting, Survey, Geotech, etc		\$ 21,000.00

Z1-S1	% OF CONSTRUCTION	AMOUNT
Project Management	10%	\$ 12,000.00
Survey	3%	\$ 4,000.00
Design and Permitting	20%	\$ 24,000.00
Geotechnical Investigation	1%	\$ 1,000.00
Structural Evaluation	0%	\$ -
Real Estate Acquisition	0%	\$ -
Utility Relocation	5%	\$ 6,000.00
Project Maintenance (3yr)	5%	\$ 6,000.00
Materials Testing	1%	\$ 1,000.00
Construction Inspections	10%	\$ 12,000.00
Construction	100%	\$ 120,000.00
PLANNING LEVEL OPINION OF PROJECT COST: Z3-19		\$ 186,000.00
Real Estate, Maintenance		\$ 6,000.00
Design, CA, Permitting, Survey, Geotech, etc		\$ 60,000.00

Z1-10	% OF CONSTRUCTION	AMOUNT
Project Management	10%	\$ 6,000.00
Survey	3%	\$ 2,000.00
Design and Permitting	20%	\$ 11,000.00
Geotechnical Investigation	1%	\$ 1,000.00
Structural Evaluation	0%	\$ -
Real Estate Acquisition	1%	\$ 1,000.00
Utility Relocation	5%	\$ 3,000.00
Project Maintenance (3yr)	5%	\$ 3,000.00
Materials Testing	1%	\$ 1,000.00
Construction Inspections	10%	\$ 6,000.00
Construction	100%	\$ 57,000.00
PLANNING LEVEL OPINION OF PROJECT COST: Z3-4		\$ 91,000.00
Real Estate, Maintenance		\$ 4,000.00
Design, CA, Permitting, Survey, Geotech, etc		\$ 30,000.00

Z1-P2	% OF CONSTRUCTION	AMOUNT
Project Management	10%	\$ 54,000.00
Survey	3%	\$ 16,000.00
Design and Permitting	20%	\$ 109,000.00
Geotechnical Investigation	1%	\$ 5,000.00
Structural Evaluation	0%	\$ -
Real Estate Acquisition	0%	\$ -
Utility Relocation	5%	\$ 27,000.00
Project Maintenance (3yr)	5%	\$ 27,000.00
Materials Testing	1%	\$ 5,000.00
Construction Inspections	10%	\$ 54,000.00
Construction	100%	\$ 543,000.00
PLANNING LEVEL OPINION OF PROJECT COST: Z3-18		\$ 840,000.00
Real Estate, Maintenance		\$ 27,000.00
Design, CA, Permitting, Survey, Geotech, etc		\$ 270,000.00

Z1-15	% OF CONSTRUCTION	AMOUNT
Project Management	10%	\$ 10,000.00
Survey	3%	\$ 3,000.00
Design and Permitting	20%	\$ 19,000.00
Geotechnical Investigation	1%	\$ 1,000.00
Structural Evaluation	0%	\$ -
Real Estate Acquisition	LS	\$ 41,000.00
Utility Relocation	1%	\$ 1,000.00
Project Maintenance (3yr)	5%	\$ 5,000.00
Materials Testing	1%	\$ 1,000.00
Construction Inspections	10%	\$ 10,000.00
Construction	100%	\$ 95,000.00
PLANNING LEVEL OPINION OF PROJECT COST: Z3-5		\$ 186,000.00
Real Estate, Maintenance		\$ 46,000.00
Design, CA, Permitting, Survey, Geotech, etc		\$ 45,000.00

Z1-12	% OF CONSTRUCTION	AMOUNT
Project Management	10%	\$ 7,000.00
Survey	3%	\$ 2,000.00
Design and Permitting	20%	\$ 15,000.00
Geotechnical Investigation	1%	\$ 1,000.00
Structural Evaluation	0%	\$ -
Real Estate Acquisition	1%	\$ 1,000.00
Utility Relocation	2%	\$ 1,000.00
Project Maintenance (3yr)	5%	\$ 4,000.00
Materials Testing	1%	\$ 1,000.00
Construction Inspections	10%	\$ 7,000.00
Construction	100%	\$ 73,000.00
PLANNING LEVEL OPINION OF PROJECT COST: Z3-26		\$ 112,000.00
Real Estate, Maintenance		\$ 5,000.00
Design, CA, Permitting, Survey, Geotech, etc		\$ 34,000.00

Z1-5,6,11	% OF CONSTRUCTION	AMOUNT
Project Management	10%	\$ 35,000.00
Survey	3%	\$ 10,000.00
Design and Permitting	20%	\$ 69,000.00
Geotechnical Investigation	1%	\$ 3,000.00
Structural Evaluation	0%	\$ -
Real Estate Acquisition	0%	\$ -
Utility Relocation	2%	\$ 7,000.00
Project Maintenance (3yr)	5%	\$ 17,000.00
Materials Testing	1%	\$ 3,000.00
Construction Inspections	10%	\$ 35,000.00
Construction	100%	\$ 345,000.00
PLANNING LEVEL OPINION OF PROJECT COST: Z3-15		\$ 524,000.00
Real Estate, Maintenance		\$ 17,000.00
Design, CA, Permitting, Survey, Geotech, etc		\$ 162,000.00

APPENDIX E

Desktop Analysis Results

Project Information					Total Project Score								Total Score (Project Score x Sum of Weighting Factors)
Rank	Project Type	Ownership	Name/Feature ID	Closest Address		Land Use Score	Public Land Score	Floodplain Score	Impaired Score	Subwatershed Score	Adjacent Riparian Buffer Score	Adjacent Impervious Area Score	
1	Neighborhood ROW Retrofit	City	Long Indian Creek		65	3	1	1	1	6	9	5	1300
2	Neighborhood ROW Retrofit	City	Oxford Mill		75	3	0	0	1	4	4	9	1275
3	BMP Retrofit	Private	BL23187S	11265 Ridge Hill Drive	85	3	1	1	1	6	9	0	1275
4	Neighborhood ROW Retrofit	City	Jones Bridge Plantation		70	3	1	1	1	6	9	3	1260
5	Restoration	Public	11 042001410090		68	1	3	1	1	6	9	3	1224
6	Restoration	Public	11 041001450056		68	1	3	1	1	6	9	3	1224
7	BMP Retrofit	Private	BB21476S	11914 Jones Bridge Road	72	3	0	1	1	5	9	3	1224
8	BMP Retrofit	Private	BL16857S	18 Hemingbrough Way	66	3	0	1	0	4	9	5	1188
9	BMP Retrofit	Private	BL23020S	11075 State Bridge Road	66	3	1	1	1	6	9	3	1188
10	BMP Retrofit	Private	BL23101S	4550 Weathervane Drive	78	3	1	1	1	6	9	0	1170
11	Restoration	Public	11 041001390013	9770 Autry Mill Road	76	1	3	1	1	6	9	0	1140
12	Outfall Retrofit		BL13193S	4755 Hampton Square Drive	76	3	1	1	1	6	9	0	1140
13	Outfall Retrofit		CR15783S	9345 Delft Way	80	3	0	1	1	5	9	0	1120
14	Neighborhood ROW Retrofit	City	Foxworth		70	3	0	0	1	4	9	3	1120
15	BMP Retrofit	Private	CR16229S	3230 Arbor Woods Drive	85	3	0	0	1	4	9	0	1105
16	Outfall Retrofit		CR14329S	120 Dover Cliff Way	68	2	3	1	1	7	9	0	1088
17	Outfall Retrofit		CR18689S	700 Mill Circle	68	2	3	1	1	7	9	0	1088
18	Outfall Retrofit		BL11488S	345 Broken Lance Place	72	3	1	1	1	6	9	0	1080
19	Outfall Retrofit		BL11393S	11275 Amy Frances Lane	72	3	1	1	1	6	9	0	1080
20	Neighborhood ROW Retrofit	City	Brookhollow		60	3	1	1	1	6	9	3	1080
21	BMP Retrofit	Private	BL20026S	720 Country Manor Way	72	3	1	1	1	6	9	0	1080
22	BMP Retrofit	Private	BL20054S	145 Colony Run	72	3	1	1	1	6	9	0	1080
23	BMP Retrofit	Private	BL22832S	10995 State Bridge Road #A	72	3	1	1	1	6	0	9	1080
24	BMP Retrofit	Private	CR16565S	310 Loch Tay Way	72	2	3	0	1	6	9	0	1080
25	Neighborhood ROW Retrofit	City	Chartwell		55	3	2	0	1	6	4	9	1045
26	Restoration	Public	11 023000070069		64	3	2	1	1	7	9	0	1024
27	Outfall Retrofit		BL11516S	10600 Willow Meadow Circle	68	3	1	1	1	6	9	0	1020
28	Outfall Retrofit		BL13194S	4795 Hampton Square Drive	68	3	1	1	1	6	9	0	1020
29	Outfall Retrofit		CR14039S	925 Hurleston Lane	68	3	1	1	1	6	9	0	1020
30	Outfall Retrofit		CR15894S	8735 Glen Ferry Drive	60	2	3	2	1	8	9	0	1020
31	Outfall Retrofit		CR15931S	115 Holly Glen Court	60	2	3	2	1	8	9	0	1020
32	BMP Retrofit	Private	CR16674S	3880 Redcoat Way	78	3	0	0	1	4	9	0	1014
33	Outfall Retrofit		BB13053S	12555 Concord Hall Drive	72	3	0	1	1	5	9	0	1008
34	BMP Retrofit	Private	CR13790S	1090 Matheson Way	72	2	1	1	1	5	9	0	1008
35	BMP Retrofit	Private	CR13791S	10 Dover Cliff Way	72	2	1	1	1	5	9	0	1008
36	BMP Retrofit	Private	BL22970S	11190 Bramshill Drive	66	3	1	1	1	6	9	0	990
37	BMP Retrofit	Private	BL22976S	112 Caswyck Trace	66	3	1	1	1	6	0	9	990
38	BMP Retrofit	Private	BL22973S	707 Caswyck Trace	66	3	1	1	1	6	9	0	990
39	BMP Retrofit	Private	BL23061S	11030 Jones Bridge Road #300	66	3	1	1	1	6	0	9	990
40	BMP Retrofit	Private	BL23060S	11030 Jones Bridge Road #200B	66	3	1	1	1	6	0	9	990
41	Outfall Retrofit		BL16901S	10145 Haynes Bridge Road	76	3	0	1	0	4	9	0	988
42	Outfall Retrofit		CR11660S	10010 High Falls Pointe	76	3	0	0	1	4	9	0	988
43	Outfall Retrofit		CR15870S	470 Stoney Ridge Court	76	3	0	0	1	4	9	0	988
44	Outfall Retrofit		CR16688S	3800 Redcoat Way	76	3	0	0	1	4	9	0	988
45	Neighborhood ROW Retrofit	City	Anaheim Farms		70	3	0	1	0	4	9	1	980
46	Restoration	Public Adjacent	11 022000650144	9098 Barkston Drive	60	3	2	1	1	7	9	0	960
47	Restoration	Public	11 041001450049		60	1	3	1	1	6	9	1	960
48	Restoration	Private	12 322008870050		60	2	1	3	1	7	9	0	960
49	Outfall Retrofit		BL11427S	11075 State Bridge Road	64	3	1	1	1	6	9	0	960
50	Outfall Retrofit		BL13222S	4745 Minden Chase	64	3	1	1	1	6	9	0	960
51	Outfall Retrofit		BL13293S	503 Caswyck Trace	64	3	1	1	1	6	0	9	960
52	Outfall Retrofit		BL22984S	11275 Amy Frances Lane	64	3	1	1	1	6	9	0	960
53	Neighborhood ROW Retrofit	Private	Country Club of the South, The		40	1	3	1	1	6	9	9	960
54	Neighborhood ROW Retrofit	City	Haynes Landing		60	3	0	0	1	4	9	3	960
55	BMP Retrofit	Private	BL13348S	307 Caswyck Trace	59	3	1	1	1	6	9	1	944
56	BMP Retrofit	Private	CR18473S	4088 Falls Ridge Drive #Rear	72	3	0	0	1	4	9	0	936
57	Pipe Improvement	Private	BB20298C	12500 Cornish Court	58	3	0	3	1	7	9	0	928
58	Neighborhood ROW Retrofit	City	Enclave at Breckenridge, The		65	3	0	0	1	4	9	1	910
59	Neighborhood ROW Retrofit	City	Falls of Autry Mill, The		70	3	0	0	1	4	0	9	910
60	Neighborhood ROW Retrofit	City	River Glen		65	3	2	1	1	7	0	7	910
61	Restoration	Private	11 017100770982	10769 Plantation Bridge Drive	60	3	1	1	1	6	9	0	900
62	Restoration	Public Adjacent	11 022100670273	925 Hurleston Lane	60	3	1	1	1	6	9	0	900
63	Pipe Improvement	Private	BL22426C	11075 State Bridge Road	45	3	1	3	1	8	9	3	900

Project Information					Total Project Score								Total Score (Project Score x Sum of Weighting Factors)
Rank	Project Type	Ownership	Name/Feature ID	Closest Address		Land Use Score	Public Land Score	Floodplain Score	Impaired Score	Subwatershed Score	Adjacent Riparian Buffer Score	Adjacent Impervious Area Score	
64	Pipe Improvement	City	CR20321C	9633 Autry Mill Road	60	1	3	1	1	6	9	0	900
65	Neighborhood ROW Retrofit	City	Fairway Ridge		60	2	3	2	1	8	4	3	900
66	Restoration	Private	12 320008900307	3130 Rivermont Parkway	68	3	0	0	1	4	9	0	884
67	Restoration	Private	12 320008900307	3130 Rivermont Parkway	68	3	0	0	1	4	9	0	884
68	Neighborhood ROW Retrofit	City	Churchill Downs		55	3	1	1	1	6	9	1	880
69	Neighborhood ROW Retrofit	City	St. Regis		55	3	0	0	1	4	9	3	880
70	Neighborhood ROW Retrofit	City	Village at Jones Ferry, The		55	3	0	0	1	4	9	3	880
71	Pipe Improvement	City	CR12288C	9225 Chapelwood Drive	61	2	1	1	1	5	9	0	854
72	Neighborhood ROW Retrofit	City	River Ridge		65	2	3	2	1	8	0	5	845
73	Neighborhood ROW Retrofit	City	Willow Run		65	3	1	1	1	6	4	3	845
74	Restoration	Public Adjacent	11 042001430023	4775 Old Alabama Road	60	1	0	0	1	2	9	3	840
75	Restoration	Private	11 021000640311		56	3	1	1	1	6	9	0	840
76	Pipe Improvement	City	BB13267C	12565 Concord Hall Drive	60	2	1	1	1	5	9	0	840
77	Neighborhood ROW Retrofit	City	Ellington		60	3	0	0	1	4	9	1	840
78	Restoration	Private	12 308008320519	8483 Holcomb Bridge Road	44	2	0	0	1	3	9	7	836
79	Restoration	Private	12 321008880093		64	3	0	0	1	4	9	0	832
80	Pipe Improvement	County/State	CR12282C	9175 Tuckerbrook Lane	51	3	0	3	1	7	9	0	816

Neighborhood R

Name	Average Lot Size Score	Average Road Slope Score	Average Road Width Score	Average ROW Width Score	Total Road Length Score	Total Score
Long Indian Creek	10	15	15	10	15	65
Oxford Mill	15	15	15	10	20	75
Jones Bridge Plantation	20	15	15	5	15	70
Foxworth	15	10	15	15	15	70
Brookhollow	10	15	15	10	10	60
Chartwell	15	5	5	10	20	55
Anaheim Farms	15	15	20	10	10	70
Country Club of the South, The	20	5	15	0	0	40
Haynes Landing	15	5	15	10	15	60
Enclave at Breckenridge, The	10	15	15	10	15	65
Falls of Autry Mill, The	20	5	15	10	20	70
River Glen	20	5	15	5	20	65
Fairway Ridge	20	5	15	10	10	60
Churchill Downs	0	15	15	15	10	55
St. Regis	15	10	15	5	10	55
Village at Jones Ferry, The	10	15	15	5	10	55
River Ridge	15	5	15	15	15	65
Willow Run	20	10	15	5	15	65
Ellington	20	10	15	5	10	60
Ashlee Oaks	5	15	15	5	10	50
Jones Bridge Estates	0	15	5	20	10	50
Hunters Forest	5	15	15	15	10	60
Evergreen Trace	5	10	15	15	10	55
Mount View	15	5	20	5	15	60
Springfield	20	20	5	0	0	45
Falcon Ridge	5	20	15	15	10	65
Jones Bridge Woods	5	15	15	20	10	65
Mayfair	15	5	15	10	20	65
Jones Bridge Landing	0	5	15	20	10	50
Park at Nesbit Place, The	20	15	15	0	0	50
Saint Clair	15	5	15	5	10	50
Summer Trace	10	5	15	10	10	50
Glastonberry	15	5	5	15	15	55
North Peak	15	5	15	10	15	60
Stevens Creek	20	5	15	5	10	55
Colony Glen	5	5	15	10	15	50
Concord Hall	15	10	15	10	15	65
Roswell Mill	5	15	15	5	10	50
Northhaven at Johns Creek	20	15	5	0	0	40
Ivey Ridge	5	5	15	10	10	45
River Trace	0	5	15	15	10	45
Rivermont	20	5	20	5	20	70
Jones Bridge Place	5	15	15	10	10	55
Park at Breckenridge, The	0	15	15	10	15	55
Rivermont Colony	15	5	5	15	15	55
Kensington Oaks	5	10	15	20	10	60
Pinnacle	20	10	15	0	0	45
Ridge at Brumbelow, The	20	10	15	5	15	65
Timberstone	20	5	20	5	15	65
Park at Rivermont, The	0	10	15	5	10	40
Vicarage, The	20	15	15	10	10	70

Neighborhood R

Name	Average Lot Size Score	Average Road Slope Score	Average Road Width Score	Average ROW Width Score	Total Road Length Score	Total Score
Wynbrook	10	5	15	10	10	50
Bellingrath Commons	20	15	15	0	10	60
Hampton Square	5	15	15	15	10	60
Hartridge	15	5	15	10	15	60
Queensbury East	15	5	15	15	10	60
St. Andrews Apartments	20	10	15	0	0	45
Highland Park	10	5	15	15	15	60

Outfall Retrofit

Feature ID	Closest Address	Retrofit Slope Score	Diameter Score	Owner Score	Utility Conflict Score	Area Outside Buffer Score	Adjacent Outfall Score	Tree Cover Score	Total Score
BL13193S	4755 Hampton Square Drive	12	12	24	12	0	4	12	76
CR15783S	9345 Delft Way	12	4	24	12	12	4	12	80
CR14329S	120 Dover Cliff Way	8	4	24	4	12	4	12	68
CR18689S	700 Mill Circle	8	12	24	4	0	8	12	68
BL11488S	345 Broken Lance Place	12	8	24	12	0	4	12	72
BL11393S	11275 Amy Frances Lane	12	12	24	12	0	8	4	72
BL11516S	10600 Willow Meadow Circle	12	8	24	4	12	4	4	68
BL13194S	4795 Hampton Square Drive	12	12	24	4	0	4	12	68
CR14039S	925 Hurlleston Lane	12	8	24	4	12	4	4	68
CR15894S	8735 Glen Ferry Drive	8	4	24	4	0	8	12	60
CR15931S	115 Holly Glen Court	8	4	24	4	0	8	12	60
BB13053S	12555 Concord Hall Drive	8	12	24	12	0	4	12	72
BL16901S	10145 Haynes Bridge Road	12	12	24	4	0	12	12	76
CR11660S	10010 High Falls Pointe	8	8	24	4	12	8	12	76
CR15870S	470 Stoney Ridge Court	8	12	28	4	8	4	12	76
CR16688S	3800 Redcoat Way	8	12	24	4	8	8	12	76
BL11427S	11075 State Bridge Road	12	12	4	4	12	8	12	64
BL13222S	4745 Minden Chase	12	4	24	4	12	4	4	64
BL13293S	503 Caswyck Trace	12	8	4	12	12	4	12	64
BL22984S	11275 Amy Frances Lane	12	4	24	12	0	8	4	64
CR13818S	2120 Northwick Pass Way	8	4	24	12	0	4	12	64
CR11840S	3440 Aubusson Trace	8	8	24	12	0	4	12	68
BB13067S	12455 Stevens Creek Drive	12	8	24	4	0	8	12	68
BL13545S	10145 Timberstone Road	8	8	24	4	12	4	12	72
BL13552S	3580 Patterstone Drive	4	8	24	12	0	12	12	72
CR16703S	210 Foxworth Chase	8	8	24	4	8	8	12	72
CR23037S	520 Dartington Way	8	8	24	12	0	8	12	72
CR23059S	955 Bishopwood Place	8	8	24	12	12	4	4	72
CR23036S	10585 Oxford Mill Circle	8	8	24	12	0	8	12	72
CR25654S	3565 Old Alabama Road	8	4	20	12	12	4	12	72
CR15944S	315 Glen River Way	12	4	24	4	12	8	12	76
BL11561S	230 Royal Colony Court	8	8	24	4	0	4	12	60
CR11852S	6092 Carlisle Lane	12	4	24	4	0	4	12	60
CR14359S	2015 Compton Way	8	4	24	4	0	8	12	60
CR11800S	4035 Old Southwick Pass	4	4	24	4	0	12	12	60
CR24973S	2980 Leeds Garden Lane	4	12	24	12	0	4	4	60
CR13751S	3665 River Trace Drive	8	4	24	12	0	4	12	64
CR13720S	9835 Autry Falls Drive	4	8	24	4	0	12	12	64
CR15793S	515 Farthingale Court	4	8	24	12	0	4	12	64
BB23916S	12445 Stevens Creek Drive	12	4	24	4	0	8	12	64
BL16941S	2930 Woodvale Court	8	4	24	12	0	8	12	68
BL17194S	525 Weatherend Court	4	8	24	12	0	8	12	68
CR11618S	10190 Brier Mill Court	8	12	24	4	0	8	12	68
CR11659S	10080 High Falls Pointe	4	12	24	12	0	4	12	68
CR13572S	10565 Oxford Mill Circle	4	8	24	12	0	8	12	68
CR16093S	9165 Tuckerbrook Lane	8	8	24	4	0	12	12	68
CR16091S	9205 Brumbelow Road	8	8	24	4	0	12	12	68
CR18629S	145 Autry Landing Way	4	4	24	4	8	12	12	68
CR18804S	640 Turbridge Court	4	12	24	12	0	4	12	68
CR18795S	10370 Oxford Mill Circle	12	12	24	4	0	4	12	68
BL11402S	11145 Indian Village Drive	12	8	24	4	0	4	4	56
BL11330S	11320 Brookhollow Trail	8	4	24	4	0	4	12	56
BL13492S	10525 Colony Glen Drive	8	4	24	4	0	4	12	56
BL13221S	220 Brookhollow Trace	12	8	24	4	0	4	4	56
BL20020S	10670 Plantation Bridge Drive	8	4	24	4	0	4	12	56
BL23145S	11280 Brookhollow Trail	8	4	24	4	0	4	12	56

BMP Retrofit

Feature ID	Closest Address	Owner Score	Drainage Area Score	SCM Type Score	Age Score	Total Score
BL23187S	11265 Ridge Hill Drive	10	25	25	25	85
BB21476S	11914 Jones Bridge Road	10	12	25	25	72
BL16857S	18 Hemingbrough Way	10	6	25	25	66
BL23020S	11075 State Bridge Road	10	6	25	25	66
BL23101S	4550 Weathervane Drive	10	18	25	25	78
CR16229S	3230 Arbor Woods Drive	10	25	25	25	85
BL20026S	720 Country Manor Way	10	12	25	25	72
BL20054S	145 Colony Run	10	12	25	25	72
BL22832S	10995 State Bridge Road #A	10	12	25	25	72
CR16565S	310 Loch Tay Way	10	25	12	25	72
CR16674S	3880 Redcoat Way	10	18	25	25	78
CR13790S	1090 Matheson Way	10	25	12	25	72
CR13791S	10 Dover Cliff Way	10	25	12	25	72
BL22970S	11190 Bramshill Drive	10	6	25	25	66
BL22976S	112 Caswyck Trace	10	6	25	25	66
BL22973S	707 Caswyck Trace	10	6	25	25	66
BL23061S	11030 Jones Bridge Road #300	10	6	25	25	66
BL23060S	11030 Jones Bridge Road #200B	10	6	25	25	66
BL13348S	307 Caswyck Trace	10	12	12	25	59
CR18473S	4088 Falls Ridge Drive #Rear	10	25	12	25	72
CR23313S	380 Colony Cove	10	25	12	25	72
CR23314S	8625 Colony Club Drive	10	25	12	25	72
CR23319S	8670 Barnwell Road	10	25	12	25	72
CR26363S	215 Coosa Lane	10	6	25	25	66
BL16867S	48 Hemingbrough Way	10	18	25	15	68
CR23908S	9800 Brumbelow Road	25	6	12	15	58
BL16825S	2945 Ivey Oaks Lane	10	6	25	25	66
BL17135S	9970 Anaheim Drive	10	6	25	25	66
CR15995S	27 Nesbit Place	10	6	25	25	66
BL23141S	545 Willowbrook Run	10	25	25	25	85
CR16675S	3840 Hedgecliff Court	10	18	12	25	65
BL21054S	4645 Valais Court #123	10	6	12	25	53
BL22989S	11195 State Bridge Road	10	12	25	25	72
CR15707S	9075 Tuckerbrook Lane	10	6	25	15	56
BL21052S	4645 Valais Court #39	10	18	25	25	78
CR15923S	3441 Holly Trail Lane	10	18	12	25	65
BL23123S	1215 Composer Lane	10	12	12	15	49
CR15986S	9155 Nesbit Ferry Road #125	10	6	25	15	56
CR15966S	9155 Nesbit Ferry Road #92	10	6	25	15	56
BL13218S	11130 State Bridge Road #H3	10	6	25	25	66
BL20997S	11140 Indian Village Drive	10	6	25	25	66
BL22990S	11164 State Bridge Road #1	10	6	25	25	66
CR18684S	730 Mill Circle	10	6	25	25	66
CR18317S	3758 Saint Andrews Parkway	10	18	12	15	55
BL17220S	9210 Brockham Way	10	25	25	25	85
BL11456S	10965 Indian Village Drive	10	6	25	25	66
BL20010S	440 Poplar Glen Court	10	6	25	25	66
BL21011S	300 Broken Lance Place	10	6	25	25	66
BL20978S	200 Broken Lance Place	10	6	25	25	66
BL22939S	4710 Jones Bridge Woods Drive	10	6	25	25	66
CR15576S	8465 Holcomb Bridge Road #4000	10	6	25	25	66
CR18707S	10304 Papillon Trace	10	6	25	25	66
CR23927S	9800 Brumbelow Road	25	6	25	15	71
BL20806S	8500 Harvest Ridge Lane	10	12	12	15	49
BL20809S	14500 Harvest Ridge Lane	10	12	12	15	49
CR15922S	8625 Lake Glen Court	10	6	12	25	53
BL23167S	700 Milton Oaks Drive	10	12	25	15	62

BMP Retrofit

Feature ID	Closest Address	Owner Score	Drainage Area Score	SCM Type Score	Age Score	Total Score
CR16095S	9205 Brumbelow Road	10	6	25	5	46
BL22831S	10970 State Bridge Road #B	10	6	25	25	66
CR13898S	370 Landing Entry	10	6	25	25	66
CR24476S	9375 Barnwell Road	10	6	25	25	66
BB34013S	12400 Stevens Creek Drive	10	6	25	25	66
CR11801S	1001 Abingdon Lane	10	12	12	25	59
CR15591S	8465 Holcomb Bridge Road #240	10	12	12	25	59
BL16953S	3060 Woodvale Court	10	25	12	25	72
CR16345S	3515 Merganser Lane	10	25	12	25	72
CR16501S	9659 Rod Road	10	25	12	25	72
BL16898S	3112 Haynesbrooke Lane	10	6	12	15	43
BL20802S	5500 Harvest Ridge Lane	10	6	12	15	43
CR16622S	3346 Jamont Boulevard	10	6	12	15	43
BB24086S	12565 Kensington Boulevard	10	12	25	15	62
CR16750S	9846 Talisman Drive	10	18	25	15	68
BL17027S	3235 Old Evergreen Way	10	6	25	25	66
BL17080S	325 Old Colonial Lane	10	6	25	25	66
CR16052S	3015 Georgian Manor Drive	10	6	25	25	66
CR26118S	9775 Hunts Pointe Drive	10	12	25	25	72
CR23928S	9820 Rod Road	25	6	25	25	81
BL20070S	120 Willow View Point	10	18	25	25	78
BL23218S	210 Hersfeld Court	10	18	25	25	78
BL21038S	2000 Ray Moss Connector	10	6	25	25	66
BL25319S	4795 Kimball Bridge Road	10	6	25	25	66
BL26589S	11475 Cottonton Road	10	6	25	25	66
CR15495S	8605 Club Way #Rear	10	6	25	25	66
CR18277S	9930 Jones Bridge Road #B	10	6	25	25	66

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BB20298C	12500 Cornish Court	7	5	4	10	0	0	58
BL22426C	11075 State Bridge Road	7	0	5	10	0	0	45
CR20321C	9633 Austry Mill Road	0	7	5	10	15	0	60
CR12288C	9225 Chapelwood Drive	7	0	5	10	15	1	61
BB13267C	12565 Concord Hall Drive	7	0	5	10	15	0	60
CR12282C	9175 Tuckerbrook Lane	7	0	5	10	5	1	51
CR12280C	9180 Tuckerbrook Lane	7	0	5	10	15	1	61
BL15778C	220 Royal Colony Court	7	0	5	10	5	1	51
BB40464C	11905 Ashcroft Bnd	7	0	5	10	0	0	45
BB40073C	11914 Jones Bridge Road	7	0	5	10	0	0	45
BL18670C	4745 Hampton Square Drive	7	0	4	10	15	1	54
BL19586C	10980 State Bridge Road	7	0	4	0	15	1	44
CR47891C	10180 Jones Bridge Road	7	0	5	10	5	2	52
CR11916C	3485 Aubusson Trace	7	0	5	10	5	1	51
CR12289C	9225 Tuckerbrook Lane	7	0	5	10	5	1	51
CR12307C	175 Norwick Way	7	0	5	10	5	1	51
CR12081C	9205 Brumbelow Road	7	0	5	0	15	1	51
CR20344C	115 Stoney Ridge Drive	7	0	5	10	5	1	51
CR19806C	203 Saxony Lane	7	0	5	0	15	1	51
CR21277C	203 Saxony Lane	7	0	5	0	15	1	51
BB13293C	150 Mirrowood Lane	7	0	5	10	5	0	50
BB13290C	110 Compton Hall Drive	7	0	5	10	5	0	50
BB13269C	1410 Kingfield Drive	7	0	5	0	15	0	50
BB13270C	1410 Kingfield Drive	7	0	5	10	5	0	50
BB13266C	12565 Concord Hall Drive	7	0	5	10	5	0	50
BB19084C	162 Eastfield Court	7	0	5	0	15	0	50
BB19321C	144 Eastfield Court	7	0	5	0	15	0	50
BB13369C	12465 Stevens Creek Drive	7	0	5	10	5	0	50
BB13368C	12465 Stevens Creek Drive	7	0	5	0	15	0	50
BB19190C	11758 Jones Bridge Road	7	0	5	0	15	0	50
BL22389C	11030 Jones Bridge Road #200	7	0	5	10	0	0	45
BL22424C	10995 State Bridge Road #A	7	0	5	10	0	0	45
CR10149C	100 Preston Oaks Drive	7	0	5	0	15	1	51
CR10150C	100 Preston Oaks Drive	7	0	5	10	5	1	51
CR12277C	9165 Tuckerbrook Lane	7	0	5	0	15	1	51
CR12281C	9170 Tuckerbrook Lane	7	0	5	0	15	1	51
CR12283C	9230 Tuckerbrook Lane	7	0	5	0	15	1	51
CR12285C	9230 Tuckerbrook Lane	7	0	5	0	15	1	51
CR12286C	9230 Tuckerbrook Lane	7	0	5	10	5	1	51
CR12287C	9225 Chapelwood Drive	7	0	5	0	15	1	51
CR12294C	100 Weedon Court	7	0	5	0	15	1	51
CR12322C	120 Cadbury Court	7	0	5	10	5	1	51
CR12543C	3015 Leeds Garden Lane	7	0	5	0	15	1	51
BL18671C	4745 Hampton Square Drive	7	0	4	10	5	1	44
BL18696C	4655 Weathervane Drive	7	0	4	10	5	1	44
CR12021C	8715 Colony Club Drive	7	0	5	0	15	0	50
CR12373C	815 Redlion Run	7	0	5	10	0	1	46
CR10795C	3040 Wellington Road	7	0	5	10	0	0	45
BB13276C	5340 Bentley Hall Drive	7	0	5	10	0	0	45
BB13271C	1410 Kingfield Drive	7	0	5	10	0	0	45
BB13265C	12550 Concord Hall Drive	7	0	5	10	0	0	45
BB13291C	110 Compton Hall Drive	7	0	5	10	0	0	45
BB13245C	12875 Wyngate Trail	7	0	5	10	0	0	45
BB13246C	12875 Wyngate Trail	7	0	5	10	0	0	45
BB13292C	135 Mirrowood Lane	7	0	5	10	0	0	45
BB40009C	11730 Jones Bridge Road #H	7	0	5	10	0	0	45
BB40066C	11730 Jones Bridge Road #H	7	0	5	10	0	0	45
BB40064C	11670 Jones Bridge Road #A	7	0	5	10	0	0	45
BB40067C	11730 Jones Bridge Road #A-G	7	0	5	10	0	0	45
BB40063C	11640 Jones Bridge Road	7	0	5	10	0	0	45
BB40467C	11914 Jones Bridge Road	7	0	5	10	0	0	45
CR12291C	100 Weedon Court	7	0	4	10	5	1	44
BL18489C	11265 Amy Frances Lane	7	0	5	0	5	1	41
BL13076C	10050 Anaheim Drive	7	0	5	10	0	2	47
CR20318C	9270 Old Southwick Pass	0	7	4	10	0	0	38
CR20311C	915 Yukon Drive	0	7	4	10	0	0	38
CR20306C	3405 Aubusson Trace	0	7	4	10	0	0	38
BB19311C	168 Eastfield Court	7	0	4	0	15	0	43
BL22419C	10975 State Bridge Road	7	0	5	0	5	0	40

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR11688C	755 Nile Drive	7	0	5	10	0	1	46
CR10151C	110 Preston Oaks Drive	7	0	5	10	0	1	46
CR10152C	110 Preston Oaks Drive	7	0	5	10	0	1	46
CR12279C	9165 Tuckerbrook Lane	7	0	3	10	15	0	46
CR12323C	120 Cadbury Court	7	0	5	10	0	1	46
BB40442C	11914 Jones Bridge Road	7	0	5	0	0	0	35
BL10188C	3710 Jones Ferry Lane	7	0	5	10	0	0	45
BL16866C	19102 Harvest Ridge Lane #19	7	0	5	10	0	0	45
BL16867C	26105 Harvest Ridge Lane	7	0	5	10	0	0	45
BL16862C	15104 Harvest Ridge Lane	7	0	5	10	0	0	45
BL16863C	25103 Harvest Ridge Lane	7	0	5	10	0	0	45
BL18672C	4745 Hampton Square Drive	7	0	4	10	0	1	39
CR47797C	2910 Arbor Woods Drive	7	0	5	10	0	0	45
BL20403C	4685 Hanstedt Trace	0	5	3	10	5	4	34
CR12082C	9205 Brumbelow Road	7	0	5	0	5	1	41
CR12084C	9205 Brumbelow Road	7	0	5	0	5	1	41
CR12306C	9310 Chapelwood Drive	7	0	4	10	5	1	44
CR12292C	100 Weedon Court	7	0	4	0	15	1	44
CR12293C	100 Weedon Court	7	0	4	10	5	1	44
CR12299C	100 Weedon Court	7	0	4	0	15	1	44
CR12544C	3015 Leeds Garden Lane	7	0	4	0	15	1	44
BL22450C	11201 State Bridge Road	7	0	4	10	0	0	38
CR10872C	2130 Northwick Pass Way	7	0	4	10	0	0	38
CR10868C	2145 Northwick Pass Way	7	0	4	10	0	0	38
CR10894C	1100 Matheson Way	7	0	5	0	0	0	35
CR10260C	4340 Bancroft Valley	7	0	5	0	0	0	35
CR10701C	8985 Old Southwick Pass	7	0	5	0	0	0	35
CR20317C	9330 Colonnade Trail	0	5	5	10	0	0	35
CR20314C	9255 Brumbelow Road	0	5	5	10	0	0	35
BB40038C	11701 Fox Road #100	7	0	5	0	5	0	40
BL18629C	700 Milton Oaks Drive	7	0	5	0	0	1	36
BB19310C	162 Eastfield Court	7	0	5	10	15	0	60
BB19312C	12547 Kensington Boulevard	7	0	5	10	15	0	60
BL12920C	10120 Piney Ridge Walk	7	0	5	0	5	1	41
CR12284C	9230 Tuckerbrook Lane	7	0	5	0	5	1	41
CR12305C	9310 Chapelwood Drive	7	0	5	0	5	1	41
CR12372C	825 Redlion Run	7	0	5	0	5	1	41
CR22205C	9700 Breckenridge Close	7	0	5	0	5	1	41
BB18766C	12460 Stevens Creek Drive	7	0	4	10	0	0	38
BB13242C	177 Windflower Court	7	0	4	10	0	0	38
BB18767C	12440 Stevens Creek Drive	7	0	4	10	0	0	38
BB18765C	12460 Stevens Creek Drive	7	0	4	10	0	0	38
CR10840C	6090 Carlisle Lane	7	0	5	0	0	0	35
CR10871C	2120 Northwick Pass Way	7	0	5	0	0	0	35
CR10778C	4035 Old Southwick Pass	7	0	5	0	0	0	35
CR20310C	3130 Rivermont Parkway	0	7	3	10	5	1	37
BL18495C	11155 Amy Frances Lane	7	0	5	10	5	1	51
CR12308C	9310 Chapelwood Drive	7	0	4	10	0	1	39
CR12083C	9205 Brumbelow Road	7	0	5	0	0	1	36
CR20307C	9305 Stoney Ridge Lane	0	7	3	10	0	0	31
CR20308C	9265 Stoney Ridge Lane	0	7	3	10	0	0	31
BL22364C	11164 State Bridge Road #1	7	0	5	10	0	0	45
CR47896C	9925 Jones Bridge Road	7	0	5	10	0	0	45
CR47897C	9925 Jones Bridge Road	7	0	5	10	0	0	45
CR47785C	2009 Falcon Glen Court	7	0	4	10	0	0	38
CR10798C	3020 Wellington Road	7	0	5	0	0	0	35
CR10802C	3020 Wellington Road	7	0	5	0	0	0	35
CR10794C	3040 Wellington Road	7	0	5	0	0	0	35
CR10796C	3040 Wellington Road	7	0	5	0	0	0	35
CR10797C	3040 Wellington Road	7	0	5	0	0	0	35
CR10917C	1006 Wetherby Way	7	0	5	0	0	0	35
CR10259C	4350 Bancroft Valley	7	0	5	0	0	0	35
CR12090C	9102 Tuckerbrook Lane	7	0	5	0	0	0	35
CR12187C	9155 Nesbit Ferry Road #98	7	0	5	0	0	0	35
CR12194C	9155 Nesbit Ferry Road #109	7	0	5	0	0	0	35
BB13244C	12865 Wyngate Trail	7	0	5	0	0	0	35
BB40056C	11701 Fox Road #100-200	7	0	5	0	0	0	35
BB40043C	11701 Fox Road #100	7	0	5	0	0	0	35
BB40037C	11701 Fox Road #100	7	0	5	0	0	0	35

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BB40061C	11670 Jones Bridge Road #A	7	0	5	0	0	0	35
BB40042C	11640 Jones Bridge Road	7	0	5	0	0	0	35
BB40039C	11701 Fox Road #300	7	0	5	0	0	0	35
BB40040C	11701 Fox Road #300	7	0	5	0	0	0	35
BB40041C	11701 Fox Road #300	7	0	5	0	0	0	35
BB40054C	11701 Fox Road #300	7	0	5	0	0	0	35
CR12262C	9165 Tuckerbrook Lane	7	0	3	0	15	1	37
CR12278C	9165 Tuckerbrook Lane	7	0	3	10	5	1	37
CR12116C	8800 Glen Ferry Drive	7	0	5	0	5	0	40
CR21974C	9878 Brumbelow Road	0	0	5	10	15	1	26
CR21987C	9878 Brumbelow Road	0	0	5	10	15	1	26
BL18636C	4685 Hanstedt Trace	0	0	5	10	15	4	29
CR12309C	9310 Chapelwood Drive	7	0	4	0	0	1	29
BL16872C	16104 Harvest Ridge Lane	7	0	5	0	0	0	35
BL16871C	16106 Harvest Ridge Lane	7	0	5	0	0	0	35
CR12089C	9102 Tuckerbrook Lane	7	0	5	0	0	0	35
CR12429C	9420 Dominion Way	7	0	5	0	0	0	35
CR12720C	3760 Redcoat Way	7	0	5	0	0	0	35
CR12707C	9680 Foxworth Drive	7	0	5	0	0	0	35
CR12183C	9155 Nesbit Ferry Road #91	7	0	5	0	0	0	35
CR14613C	645 Turbridge Court	7	0	5	0	0	0	35
CR14614C	645 Turbridge Court	7	0	5	0	0	0	35
BL20371C	10145 Haynes Bridge Road	0	7	2	10	5	1	30
BL20406C	10145 Haynes Bridge Road	0	7	2	0	15	1	30
CR10842C	7025 Carlisle Lane	7	0	5	10	0	0	45
CR11999C	8485 Holcomb Bridge Road	7	0	5	10	0	0	45
BB13283C	5445 Bentley Hall Drive	7	0	5	0	15	0	50
BB13273C	12520 Cornish Court	7	0	5	10	5	0	50
BB19308C	162 Eastfield Court	7	0	5	0	15	0	50
BB13367C	12445 Stevens Creek Drive	7	0	5	10	5	0	50
BB13366C	12445 Stevens Creek Drive	7	0	5	0	15	0	50
BB13365C	12445 Stevens Creek Drive	7	0	5	0	15	0	50
BL22429C	10980 State Bridge Road	0	0	3	10	15	1	26
CR12276C	9205 Brumbelow Road	7	0	4	0	5	1	34
BL22308C	11130 State Bridge Road #A101	7	0	5	0	5	0	40
CR12261C	9196 Brumbelow Crossing Way	7	0	4	10	15	1	54
CR14621C	655 Turbridge Court	7	0	4	10	15	1	54
BL22586C	3550 New Heritage Drive	0	5	4	10	0	0	30
BL22451C	11201 State Bridge Road	7	0	4	0	0	0	28
CR10867C	2145 Northwick Pass Way	7	0	4	0	0	0	28
CR12122C	8860 Glen Ferry Drive	7	0	5	0	0	0	35
CR12117C	8800 Glen Ferry Drive	7	0	5	0	0	0	35
BL22332C	11250 State Bridge Road	7	0	4	10	0	0	38
BL22334C	11250 State Bridge Road	7	0	4	10	0	0	38
BL22337C	11250 State Bridge Road	7	0	4	10	0	0	38
BL18661C	4840 Hampton Square Drive	0	0	5	10	15	1	26
CR12128C	8900 Glen Ferry Drive	7	0	5	10	5	2	52
CR12250C	9275 Mackinac Drive	7	0	5	10	0	1	46
CR10147C	105 Preston Oaks Drive	7	0	5	10	5	1	51
CR12120C	3580 Glen Crossing Drive	7	0	5	10	5	1	51
CR12355C	320 Canopy Cove	7	0	5	10	5	1	51
CR12353C	290 Gatsby Place	7	0	5	10	5	1	51
CR12260C	9196 Brumbelow Crossing Way	7	0	5	10	5	1	51
CR12273C	9196 Brumbelow Crossing Way	7	0	5	0	15	1	51
BL15787C	10515 Colony Glen Drive	0	0	5	10	15	4	29
BL10179C	665 Crossbridge Alley	7	0	5	10	0	0	45
BL18693C	4830 Weathervane Drive	7	0	4	0	15	2	45
BB13274C	12520 Cornish Court	7	0	5	10	0	0	45
BB40047C	12420 Stevens Creek Drive	7	0	5	10	0	0	45
CR47045C	4100 Old Alabama Road	7	0	5	10	0	0	45
BL22585C	3580 New Heritage Drive	0	7	3	10	0	0	31
CR10866C	2145 Northwick Pass Way	7	0	4	0	0	0	28
CR20309C	210 Stoney Ridge Drive	0	7	4	0	0	0	28
BB13241C	177 Windflower Court	7	0	4	0	0	0	28
BB40062C	11640 Jones Bridge Road	7	0	4	0	0	0	28
BL18698C	4675 Weathervane Drive	0	0	3	10	15	1	26
CR21979C	9800 Brumbelow Road	0	0	4	10	15	1	26
BB19315C	12565 Kensington Boulevard	7	0	4	10	5	0	43
BB19314C	12559 Kensington Boulevard	7	0	4	0	15	0	43

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BB19313C	12547 Kensington Boulevard	7	0	4	0	15	0	43
BB13361C	5689 Ashewoode Downs Drive	7	0	4	0	15	0	43
BB13362C	5689 Ashewoode Downs Drive	7	0	4	10	5	0	43
BB13297C	5655 Vicarage Walk	7	0	4	10	5	0	43
BL22366C	11195 State Bridge Road	7	0	5	0	0	0	35
BL22297C	11130 State Bridge Road #F103	7	0	5	0	0	0	35
BL22296C	11130 State Bridge Road #F105	7	0	5	0	0	0	35
BL22294C	11130 State Bridge Road #F106	7	0	5	0	0	0	35
CR47898C	9925 Jones Bridge Road	7	0	5	0	0	0	35
CR20407C	9260 Old Southwick Pass	0	7	2	10	0	0	24
BL15817C	10615 Willow Meadow Circle	0	0	4	10	15	2	27
BL19588C	10995 State Bridge Road #A-F	0	0	5	0	15	1	16
CR12249C	9285 Mackinac Drive	7	0	5	10	0	1	46
CR12356C	315 Canopy Cove	7	0	5	10	0	1	46
CR12354C	280 Gatsby Place	7	0	5	10	0	1	46
BL15748C	10705 Plantation Bridge Drive	0	0	5	10	15	1	26
BL15753C	10755 Plantation Bridge Drive	0	0	4	10	15	1	26
BL17031C	430 Broken Lance Place	0	0	4	10	15	1	26
BL16991C	10935 Indian Village Drive	0	0	5	10	15	1	26
BL17002C	11140 Indian Village Drive	0	0	4	10	15	1	26
BL17003C	11140 Indian Village Drive	0	0	4	10	15	1	26
BL18471C	11235 Bramshill Drive	0	0	5	10	15	1	26
BL18645C	4745 Minden Chase	0	0	5	10	15	1	26
BL19581C	10945 State Bridge Road #501	0	0	5	10	15	1	26
BL22417C	10975 State Bridge Road	0	0	4	10	15	1	26
BL22491C	10975 State Bridge Road	0	0	5	10	15	1	26
BL22494C	10975 State Bridge Road	0	0	5	10	15	1	26
CR11909C	3450 Aubusson Trace	0	0	4	10	15	1	26
CR10061C	580 Oak Bridge Trail	0	0	5	10	15	1	26
CR20784C	9330 Delft Way	0	0	5	10	15	1	26
CR20785C	9330 Delft Way	0	0	5	10	15	1	26
BB13286C	5445 Bentley Hall Drive	7	0	5	0	5	0	40
BB13285C	5445 Bentley Hall Drive	7	0	5	0	5	0	40
BB40491C	5655 Vicarage Walk	7	0	5	0	5	0	40
BL21191C	9850 Nesbit Ferry Road #2	7	0	5	10	5	1	51
BL22712C	9870 Nesbit Ferry Road	7	0	5	10	5	1	51
CR14484C	320 Willow Glade Point	7	0	5	0	15	1	51
CR14485C	320 Willow Glade Point	7	0	5	10	5	1	51
BL19583C	10970 State Bridge Road #A4	7	0	4	0	15	1	44
BL19585C	10970 State Bridge Road #A4	7	0	4	0	15	1	44
BL22584C	3600 New Heritage Drive	0	4	3	10	0	0	22
CR10094C	9990 Carrington Lane	0	0	5	10	15	2	27
CR12418C	3235 Arbor Woods Drive	0	0	5	10	15	2	27
BL15801C	120 Willow View Point	7	0	5	0	0	0	35
CR10764C	1275 Stuart Ridge	7	0	5	0	0	0	35
CR11996C	8630 Colony Club Drive	7	0	5	0	0	0	35
CR47084C	9680 Austry Falls Drive	7	0	5	0	0	0	35
CR47085C	9680 Austry Falls Drive	7	0	5	0	0	0	35
CR47083C	9690 Austry Falls Drive	7	0	5	0	0	0	35
CR47181C	8465 Holcomb Bridge Road #2000	7	0	5	0	0	0	35
BB21794C	5200 Cresslyn Rdg	7	0	5	0	0	0	35
CR10869C	2135 Northwick Pass Way	7	0	4	10	0	0	38
BB13240C	170 Windflower Court	7	0	4	10	0	0	38
BB19316C	12565 Kensington Boulevard	7	0	4	10	0	0	38
BB13239C	210 Windflower Court	7	0	4	10	0	0	38
BB13363C	5695 Ashewoode Downs Drive	7	0	4	10	0	0	38
BL15758C	720 Country Manor Way	0	0	5	10	5	5	20
BL20404C	4850 Hampton Square Drive	0	2	2	10	5	1	20
BL13013C	10385 Virginia Pine Lane	0	0	5	10	15	1	26
BL13111C	10170 Timberstone Road	0	0	4	10	15	1	26
BL13112C	10170 Timberstone Road	0	0	4	10	15	1	26
BL13054C	3575 Legacy Trace	0	0	5	10	15	1	26
BL13107C	3340 New Heritage Drive	0	0	5	10	15	1	26
BL13108C	3340 New Heritage Drive	0	0	5	10	15	1	26
BL13159C	9035 Brockham Way	0	0	5	10	15	1	26
BL13151C	3385 Patterstone Drive	0	0	5	10	15	1	26
BL13212C	3590 Patterstone Drive	0	0	4	10	15	1	26
BL12930C	10155 Old Woodland Entry	0	0	4	10	15	1	26
CR11719C	905 Yukon Drive	0	0	5	10	15	1	26

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR11728C	3175 Rivermont Parkway	0	0	5	10	15	1	26
CR11734C	3205 Rivermont Parkway	0	0	5	10	15	1	26
CR11731C	3128 Rivermont Parkway	0	0	5	10	15	1	26
CR12019C	8715 Colony Club Drive	0	0	5	10	15	1	26
CR12022C	8715 Colony Club Drive	0	0	5	10	15	1	26
CR12421C	3235 Arbor Woods Drive	0	0	5	10	15	1	26
CR12028C	8001 Fairview Bluff	0	0	3	10	15	1	26
CR14632C	10455 Oxford Mill Circle	0	0	5	10	15	1	26
CR22799C	9285 Brumbelow Road	0	0	5	10	15	1	26
BL20376C	3590 New Heritage Drive	0	7	2	10	0	0	24
BB20378C	12560 Concord Hall Drive	7	0	2	10	0	0	24
BL12899C	48 Hemingbrough Way	0	0	4	10	15	0	25
BL23216C	3300 Switchbark Lane	0	0	0	10	15	0	25
BL23217C	300 Switchbark Lane	0	0	0	10	15	0	25
BL18637C	4685 Hanstedt Trace	0	0	5	10	5	4	19
BL22380C	11220 Bramshill Drive	0	0	2	10	5	4	19
CR11780C	15 Fairway Ridge Drive	7	0	5	0	5	0	40
CR11660C	2995 Rivermont Parkway	7	0	5	0	5	0	40
CR10148C	100 Preston Oaks Drive	7	0	5	0	5	0	40
CR20302C	9255 Brumbelow Road	0	5	2	10	0	0	20
BL22255C	4709 Jordan Crossing	7	0	5	10	0	0	45
BL22264C	4833 Birchfield Way	7	0	5	10	0	0	45
BL22262C	11495 Cottonton Road	7	0	5	10	0	0	45
CR11812C	175 Brassy Court	7	0	5	10	0	0	45
CR11811C	165 Brassy Court	7	0	5	10	0	0	45
CR10758C	1030 Downing Street	7	0	5	0	0	0	35
BB13236C	157 Windflower Court	7	0	5	0	0	0	35
BB13330C	5555 Ashewoode Downs Drive	7	0	5	0	0	0	35
BB13359C	5665 Ashewoode Downs Drive	7	0	5	0	0	0	35
CR47791C	9920 Jones Bridge Road	7	0	5	10	0	0	45
BB13238C	12830 Wyngate Trail	7	0	5	0	0	0	35
CR47087C	9775 Hunts Pointe Drive	7	0	5	0	0	0	35
CR47873C	9920 Jones Bridge Road	7	0	5	10	0	0	45
CR12370C	785 Redlion Run	7	0	4	10	0	1	39
CR12542C	3035 Leeds Garden Lane	7	0	5	10	5	2	52
CR47175C	8465 Holcomb Bridge Road #240	7	0	3	10	0	0	31
BL19582C	10960 State Bridge Road	7	0	5	0	15	1	51
BL22483C	10920 State Bridge Road	7	0	5	10	5	1	51
CR12644C	445 Cullen Copse	0	0	4	10	5	2	17
CR12545C	3035 Leeds Garden Lane	7	0	5	10	5	1	51
BL19576C	10960 State Bridge Road	7	0	5	10	15	1	61
CR12258C	170 Norwick Way	7	0	4	10	0	0	38
BL18638C	11265 Ridge Hill Drive	0	0	5	10	5	5	20
BL18594C	11280 Brookhollow Trail	0	0	5	10	5	5	20
BB13341C	430 Eastbourne Way	7	0	5	10	15	0	60
BB19873C	5475 Preserve Circle	7	0	5	0	15	0	50
BB13404C	330 Stevens Creek Court	7	0	5	10	15	0	60
BB21952C	5260 Cresslyn Rdg	7	0	5	0	15	0	50
BB40001C	5689 Ashewoode Downs Drive	7	0	4	0	5	0	33
BB19324C	12554 Kensington Boulevard	7	0	4	0	5	0	33
BL18598C	310 Creekside Drive	0	0	5	10	15	4	29
BL22289C	4685 Hanstedt Trace	0	0	3	10	5	2	17
BL20375C	3600 New Heritage Drive	0	4	2	10	0	0	18
CR20365C	310 Aston Court	0	4	2	10	0	0	18
BL16993C	10965 Indian Village Drive	0	0	5	10	15	1	26
BL15786C	10520 Colony Glen Drive	0	0	5	10	5	4	19
BL15788C	10515 Colony Glen Drive	0	0	5	10	5	4	19
BL18584C	220 Brookhollow Trace	0	0	5	10	5	4	19
BL18643C	125 Seesen Court	0	0	5	10	5	4	19
BL22492C	10975 State Bridge Road	0	0	5	10	5	4	19
BL10107C	3548 Allee Elm Drive	7	0	5	0	0	0	35
BL20377C	3550 New Heritage Drive	0	5	2	10	0	0	20
CR11781C	15 Fairway Ridge Drive	7	0	5	0	0	0	35
CR10255C	9280 Old Southwick Pass	7	0	5	0	0	0	35
JC42483C	11875 Jones Bridge Road #G	7	0	5	0	0	0	35
BB42209C	11875 Jones Bridge Road #A-I	7	0	5	0	0	0	35
JC42251C	11875 Jones Bridge Road #A	7	0	5	0	0	0	35
BB13298C	5655 Vicarage Walk	7	0	3	10	0	0	31
BL15776C	215 Royal Colony Court	7	0	5	10	0	1	46

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL15777C	215 Royal Colony Court	7	0	5	10	0	1	46
BL15775C	10345 Colony Glen Drive	7	0	5	10	0	1	46
BL18484C	120 Paley Way	0	0	5	10	5	1	16
BL18662C	105 Hannover Trace Court	0	0	5	10	5	1	16
BL20400C	115 Paley Way	0	0	1	10	5	1	16
BL19596C	97 Caswyck Trace	0	0	5	0	15	2	17
BL19592C	11075 State Bridge Road	0	0	5	0	15	1	16
BL19587C	10980 State Bridge Road	0	0	4	0	15	1	16
BL22290C	4685 Hanstedt Trace	0	0	3	10	5	1	16
BL22416C	10995 State Bridge Road #A	0	0	3	0	15	1	16
CR12110C	8740 Glen Ferry Drive	0	0	5	10	5	1	16
CR12143C	115 Holly Glen Court	0	0	5	10	5	1	16
BL18592C	520 Willowbrook Run	7	0	5	10	0	0	45
BL22256C	4709 Jordan Crossing	7	0	5	10	0	0	45
BL22265C	4833 Birchfield Way	7	0	5	10	0	0	45
BL22260C	11495 Cottonton Road	7	0	5	10	0	0	45
CR10968C	1020 Lonsdale Court	7	0	5	10	0	0	45
CR10723C	8860 Old Southwick Pass	7	0	5	10	0	0	45
CR20316C	925 Hurlleston Lane	0	5	4	10	0	0	30
BL22284C	11475 Cottonton Road	7	0	4	10	0	0	38
CR12374C	825 Redlion Run	7	0	4	10	0	0	38
BB13268C	12565 Concord Hall Drive	7	0	2	0	5	0	19
BB40011C	12500 Cornish Court	7	0	4	10	0	0	38
BB13314C	5495 Vicarage Walk	7	0	4	10	15	0	53
BB13316C	5475 Vicarage Walk	7	0	4	10	15	0	53
BB13312C	5515 Vicarage Walk	7	0	4	10	15	0	53
BL18704C	4810 Weathervane Drive	0	0	5	10	15	4	29
CR47025C	4100 Old Alabama Road	7	0	5	10	5	2	52
BL13064C	215 Patriot Walk Court	0	0	3	10	5	1	16
BL19595C	97 Caswyck Trace	0	0	5	0	15	1	16
CR14553C	730 Mill Circle	0	0	5	10	5	1	16
CR14574C	9680 Hunts Pointe Drive	0	0	4	10	5	1	16
CR12687C	3805 Falls Landing Drive	0	0	5	10	5	1	16
BL15752C	10740 Plantation Bridge Drive	0	0	4	10	5	2	17
BL15769C	120 Brooksbridge Court	0	0	5	10	5	2	17
BL17032C	345 Broken Lance Place	0	0	4	10	5	2	17
BL16992C	10935 Indian Village Drive	0	0	5	10	5	2	17
BL18487C	11275 Amy Frances Lane	0	0	4	10	5	2	17
BL18569C	11320 Brookhollow Trail	0	0	5	10	5	2	17
BL18621C	710 Milton Oaks Drive	7	0	5	0	15	1	51
BL18646C	4745 Minden Chase	0	0	5	10	5	2	17
BL18692C	4850 Weathervane Drive	0	0	4	10	5	2	17
BL19575C	10960 State Bridge Road	7	0	5	0	15	1	51
CR12540C	9870 Rod Road	0	0	3	10	5	2	17
CR14296C	9832 Austry Falls Drive	0	0	4	10	5	2	17
CR22768C	3255 Kingshouse Commons	0	0	5	10	0	4	14
BB13243C	197 Windflower Court	7	0	4	0	0	0	28
CR14039C	3700 Old Alabama Road	7	0	5	0	15	0	50
BB40048C	135 Concord Trace	7	0	5	10	5	0	50
BB13342C	420 Eastbourne Way	7	0	5	10	5	0	50
BB13381C	5450 Woodrun Lane	7	0	5	10	5	0	50
BB13386C	12295 Stevens Creek Drive	7	0	5	10	5	0	50
BB13299C	175 Vicarage Court	7	0	5	10	5	0	50
BB40034C	12667 Cornish Walk	7	0	5	0	15	0	50
BB13279C	5295 Bentley Hall Drive	7	0	5	10	5	0	50
BB13282C	5470 Bentley Hall Drive	7	0	5	10	5	0	50
BB13284C	5470 Bentley Hall Drive	7	0	5	0	15	0	50
BB13272C	12535 Cornish Court	7	0	5	0	15	0	50
BB13253C	220 Winwood Way	7	0	5	10	5	0	50
BB13288C	12470 Concord Hall Drive	7	0	5	0	15	0	50
BB13287C	12475 Concord Hall Drive	7	0	5	0	15	0	50
BB19322C	126 Eastfield Court	7	0	5	0	15	0	50
BB19875C	126 Eastfield Court	7	0	5	0	15	0	50
BB19319C	132 Eastfield Court	7	0	5	0	15	0	50
BB19318C	132 Eastfield Court	7	0	5	10	5	0	50
BB19874C	132 Eastfield Court	7	0	5	0	15	0	50
BB19320C	138 Eastfield Court	7	0	5	0	15	0	50
BB19306C	147 Eastfield Court	7	0	5	0	15	0	50
BB19329C	562 Oxford Close	7	0	5	10	5	0	50

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BB19327C	580 Carrington Cove	7	0	5	10	5	0	50
BB19326C	580 Carrington Cove	7	0	5	0	15	0	50
BB19330C	583 Carrington Cove	7	0	5	0	15	0	50
BB19331C	12535 Kensington Boulevard	7	0	5	0	15	0	50
BB19332C	12535 Kensington Boulevard	7	0	5	0	15	0	50
BB19301C	12505 Kensington Boulevard	7	0	5	0	15	0	50
BB19303C	12505 Kensington Boulevard	7	0	5	0	15	0	50
BB13345C	410 Eastbourne Way	7	0	5	10	5	0	50
BB13340C	420 Eastbourne Way	7	0	5	0	15	0	50
BB13349C	215 Mirrowood Drive	7	0	5	10	5	0	50
BB13334C	205 Ashebourne Trail	7	0	5	0	15	0	50
BB13335C	205 Ashebourne Trail	7	0	5	10	5	0	50
BB13352C	610 Evening Pine Lane	7	0	5	10	5	0	50
BB13351C	610 Evening Pine Lane	7	0	5	0	15	0	50
BB13344C	5435 Ashewoode Downs Drive	7	0	5	0	15	0	50
BB13333C	5475 Mirrowood Drive	7	0	5	0	15	0	50
BB13336C	5505 Ashewoode Downs Drive	7	0	5	0	15	0	50
BB13337C	5505 Ashewoode Downs Drive	7	0	5	10	5	0	50
BB13371C	300 Summerlin Drive	7	0	5	10	5	0	50
BB13370C	320 Summerlin Drive	7	0	5	0	15	0	50
BB13379C	5460 Woodrun Lane	7	0	5	0	15	0	50
BB13380C	5460 Woodrun Lane	7	0	5	10	5	0	50
BB13405C	375 Stevens Creek Court	7	0	5	10	5	0	50
BB13403C	330 Stevens Creek Court	7	0	5	0	15	0	50
BB13387C	12305 Stevens Creek Drive	7	0	5	0	15	0	50
BB13401C	12235 Stevens Creek Drive	7	0	5	0	15	0	50
BB13400C	12235 Stevens Creek Drive	7	0	5	0	15	0	50
BB13399C	12225 Stevens Creek Drive	7	0	5	0	15	0	50
BB13397C	12195 Stevens Creek Drive	7	0	5	0	15	0	50
BB13398C	12200 Stevens Creek Drive	7	0	5	10	5	0	50
BB13402C	12240 Stevens Creek Drive	7	0	5	10	5	0	50
BB13383C	12370 Stevens Creek Drive	7	0	5	10	5	0	50
BB13382C	12375 Stevens Creek Drive	7	0	5	0	15	0	50
BB13364C	12435 Stevens Creek Drive	7	0	5	0	15	0	50
BB17656C	935 Snowberry Trail	7	0	5	10	5	0	50
BB17662C	330 Crown Vetch Lane	7	0	5	0	15	0	50
BB13296C	235 Vicarage Walk	7	0	5	10	5	0	50
BB13321C	12667 Cornish Walk	7	0	5	10	5	0	50
BB13320C	12685 Oxfordshire Court	7	0	5	10	5	0	50
BB13309C	12610 Oxfordshire Court	7	0	5	0	15	0	50
BB13306C	12615 Oxfordshire Court	7	0	5	10	5	0	50
BB13307C	12615 Oxfordshire Court	7	0	5	10	5	0	50
BB13308C	12615 Oxfordshire Court	7	0	5	0	15	0	50
BB13315C	5475 Vicarage Walk	7	0	5	0	15	0	50
BB13311C	5515 Vicarage Walk	7	0	5	0	15	0	50
BB13332C	5510 Ashewoode Downs Drive	7	0	5	10	5	0	50
BB13339C	5510 Ashewoode Downs Drive	7	0	5	10	5	0	50
JC19191C	5111 Wellsley Bend	7	0	5	0	15	0	50
BB19181C	5191 Wellsley Way	7	0	5	0	15	0	50
BB21249C	5129 Wellsley Bend	7	0	5	10	5	0	50
CR11663C	225 Rhine Drive	7	0	5	10	15	2	62
BL13070C	3580 New Heritage Drive	0	0	5	10	5	4	19
CR12605C	555 Guildhall Place	0	0	1	10	5	4	19
BL19572C	10950 State Bridge Road #S	7	0	5	0	5	1	41
BL22570C	10240 Jones Bridge Road	7	0	5	0	0	0	35
CR14198C	2506 Grovehurst Drive	7	0	5	0	0	0	35
CR11664C	225 Rhine Drive	7	0	5	10	15	1	61
CR11669C	700 Nile Drive	7	0	5	10	15	1	61
CR12268C	9230 Brumbelow Crossing Way	7	0	5	10	15	1	61
CR12301C	3000 Birchton Street	7	0	5	10	15	1	61
CR12325C	2825 Abbottswell Drive	7	0	5	10	15	1	61
CR12259C	9196 Brumbelow Crossing Way	7	0	5	10	15	1	61
CR12263C	9196 Brumbelow Crossing Way	7	0	5	10	15	1	61
BL15813C	10570 Willow Meadow Circle	0	0	5	10	5	1	16
BL15816C	10600 Willow Meadow Circle	0	0	4	10	5	1	16
BL15818C	10615 Willow Meadow Circle	0	0	4	10	5	1	16
BL15746C	625 Fieldwood Lane	0	0	5	10	5	1	16
BL15749C	10670 Plantation Bridge Drive	0	0	5	10	5	1	16
BL15754C	10755 Plantation Bridge Drive	0	0	4	10	5	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL15779C	220 Royal Colony Court	0	0	5	10	5	1	16
BL15770C	180 Colony Run	0	0	5	10	5	1	16
BL12939C	10145 Haynes Bridge Road	0	0	4	0	15	1	16
BL12940C	10145 Haynes Bridge Road	0	0	4	0	15	1	16
BL17030C	430 Broken Lance Place	0	0	4	10	5	1	16
BL17004C	11145 Indian Village Drive	0	0	4	10	5	1	16
BL18488C	11240 Amy Frances Lane	0	0	5	10	5	1	16
BL18580C	180 Brookhollow Trace	0	0	4	10	5	1	16
BL18582C	220 Brookhollow Trace	0	0	4	10	5	1	16
BL18640C	230 Kimball Ridge Court	0	0	5	10	5	1	16
BL18469C	11190 Bramshill Drive	0	0	4	10	5	1	16
BL18472C	11225 Bramshill Drive	0	0	5	10	5	1	16
BL18690C	215 Hersfeld Court	0	0	5	10	5	1	16
BL18666C	4785 Hampton Square Drive	0	0	3	10	5	1	16
BL19597C	11075 State Bridge Road	0	0	5	0	15	0	15
BL22443C	11145 State Bridge Road	0	0	5	10	5	1	16
BL22418C	10975 State Bridge Road	0	0	4	10	5	1	16
BL22421C	10975 State Bridge Road	0	0	5	10	5	1	16
BL22744C	10975 State Bridge Road	0	0	5	10	5	1	16
BL22415C	10995 State Bridge Road #A	0	0	5	10	5	1	16
CR12109C	8740 Glen Ferry Drive	0	0	5	0	15	1	16
CR12413C	3430 Arbor Woods Drive	0	0	4	10	5	1	16
CR12615C	245 Lochan Cove	0	0	5	10	5	1	16
CR12547C	2980 Leeds Garden Lane	0	0	4	10	5	1	16
CR12630C	3255 Kingshouse Commons	0	0	5	10	5	1	16
CR12634C	3255 Kingshouse Commons	0	0	5	10	5	1	16
CR12635C	3290 Kingshouse Commons	0	0	5	10	5	1	16
CR21231C	3005 Old Alabama Road #E-30	0	0	5	0	15	0	15
CR22203C	3005 Old Alabama Road #E-30	0	0	5	0	15	0	15
CR22204C	2795 Old Alabama Road	0	0	5	0	15	0	15
CR21232C	3005 Old Alabama Road #6001	0	0	5	0	15	0	15
BL13206C	440 Carnwath Court	0	0	5	10	5	2	17
BL18474C	11235 Bramshill Drive	0	0	5	10	5	2	17
CR10066C	535 Oak Bridge Trail	0	0	5	10	5	2	17
CR22800C	9285 Brumbelow Road	0	0	5	10	5	2	17
BB40007C	11730 Jones Bridge Road #H	7	0	1	10	0	0	17
BB40008C	11730 Jones Bridge Road #H	7	0	1	10	0	0	17
BB40005C	11730 Jones Bridge Road #A	7	0	1	10	0	0	17
BB40006C	11730 Jones Bridge Road #D	7	0	1	10	0	0	17
BL13050C	110 Founders Cove	0	0	4	10	15	1	26
BL15790C	10420 Meadow Crest Lane	0	0	5	10	15	1	26
BL12868C	25 Hampreston Court	0	0	5	10	15	1	26
BL18477C	11240 Rotherick Drive	0	0	5	10	15	1	26
BL18699C	4685 Weathervane Drive	0	0	5	10	15	1	26
CR11913C	3485 Aubusson Trace	0	0	5	10	15	1	26
CR11865C	230 N. Peak Drive	0	0	5	10	15	1	26
CR11941C	3545 Pairpoint Place	0	0	5	10	15	1	26
CR12689C	9785 Foxworth Drive	0	0	5	0	15	3	18
CR12709C	9680 Foxworth Drive	0	0	2	10	5	3	18
CR20817C	8780 Mount Rushmore Drive	0	0	5	10	15	1	26
CR21963C	9830 Rod Road	0	0	5	10	15	1	26
CR21969C	9830 Rod Road	0	0	5	10	15	1	26
CR19911C	9800 Brumbelow Road	0	0	5	10	15	1	26
CR19912C	9800 Brumbelow Road	0	0	5	10	15	1	26
CR12036C	150 Shaker Hollow	0	0	5	10	5	4	19
BL18583C	220 Brookhollow Trace	0	0	3	10	0	5	15
BL22549C	10615 Willow Meadow Circle	0	0	0	10	5	0	15
BL22667C	10145 Haynes Bridge Road	0	0	0	10	5	0	15
CR10910C	2000 Norland Circle Court	7	0	5	10	0	0	45
CR10911C	2000 Norland Circle Court	7	0	5	10	0	0	45
BB13347C	220 Mirrowood Drive	7	0	5	10	0	0	45
BB13393C	12190 Stevens Creek Drive	7	0	5	10	0	0	45
BB13394C	12200 Stevens Creek Drive	7	0	5	10	0	0	45
BB13385C	12295 Stevens Creek Drive	7	0	5	10	0	0	45
BB13302C	160 Vicarage Court	7	0	5	10	0	0	45
BB13303C	160 Vicarage Court	7	0	5	10	0	0	45
BB13304C	175 Vicarage Court	7	0	5	10	0	0	45
BB13280C	5295 Bentley Hall Drive	7	0	5	10	0	0	45
BB40493C	235 Winwood Way	7	0	5	10	0	0	45

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BB19317C	132 Eastfield Court	7	0	5	10	0	0	45
BB19333C	571 Oxford Close	7	0	5	10	0	0	45
BB19328C	571 Oxford Close	7	0	5	10	0	0	45
BB19334C	572 Carrington Cove	7	0	5	10	0	0	45
BB40093C	410 Eastbourne Way	7	0	5	10	0	0	45
BB13343C	420 Eastbourne Way	7	0	5	10	0	0	45
BB13346C	220 Mirrowood Drive	7	0	5	10	0	0	45
BB13409C	12185 Stevens Creek Drive	7	0	5	10	0	0	45
BB40045C	12380 Stevens Creek Drive	7	0	5	10	0	0	45
BB17663C	925 Snowberry Trail	7	0	5	10	0	0	45
BB17668C	125 Hydrangea Court	7	0	5	10	0	0	45
BL13063C	3480 New Heritage Drive	0	0	5	10	5	1	16
BL13208C	10150 Barston Court	0	0	5	10	5	1	16
BL18579C	180 Brookhollow Trace	0	0	4	0	15	1	16
BL18593C	405 Brookhollow Lane	0	0	5	0	15	1	16
BL18722C	1151 Composer Lane	0	0	5	0	15	1	16
BL18723C	1151 Composer Lane	0	0	5	0	15	1	16
BL19742C	1151 Composer Lane	0	0	5	0	15	1	16
BL19743C	1151 Composer Lane	0	0	5	0	15	1	16
BL18697C	4530 Weathervane Drive	0	0	5	0	15	1	16
BL18695C	4865 Weathervane Drive	0	0	5	0	15	1	16
BL19574C	10930 Jones Bridge Road	0	0	5	0	15	1	16
BL19568C	10955 Jones Bridge Road #101-134	0	0	5	0	15	1	16
BL19579C	10945 State Bridge Road #501	0	0	5	0	15	1	16
BL19580C	10945 State Bridge Road #501	0	0	5	0	15	1	16
BL22493C	10970 State Bridge Road #A4	0	0	5	0	15	1	16
BL22489C	10945 State Bridge Road #501	0	0	5	0	15	1	16
CR11725C	905 Yukon Drive	0	0	4	10	5	1	16
CR11718C	915 Yukon Drive	0	0	4	10	5	1	16
CR11910C	3450 Aubusson Trace	0	0	4	10	5	1	16
CR11915C	3495 Aubusson Trace	0	0	4	10	5	1	16
CR10062C	570 Oak Bridge Trail	0	0	5	0	15	1	16
CR10067C	535 Oak Bridge Trail	0	0	5	0	15	1	16
CR10060C	585 Oak Bridge Trail	0	0	4	10	5	1	16
CR10059C	580 Oak Bridge Trail	0	0	4	0	15	1	16
CR10063C	580 Oak Bridge Trail	0	0	3	10	5	1	16
CR11912C	9320 Delft Way	0	0	5	10	5	1	16
CR11907C	9400 Delft Way	0	0	4	10	5	1	16
CR11906C	9385 Delft Way	0	0	4	10	5	1	16
CR10054C	120 Shoreline Walk	0	0	5	10	5	1	16
CR10049C	360 Landing Entry	0	0	5	0	15	1	16
CR12419C	3230 Arbor Woods Drive	0	0	5	10	5	1	16
CR12423C	3230 Arbor Woods Drive	0	0	4	10	0	4	14
CR12598C	9635 Rod Road	0	0	3	10	5	1	16
CR20818C	8780 Mount Rushmore Drive	0	0	5	10	5	1	16
CR21764C	3575 River Trace Drive	0	0	5	10	5	1	16
CR21763C	3590 River Trace Drive	0	0	5	10	5	1	16
CR21765C	3590 River Trace Drive	0	0	5	0	15	1	16
CR21770C	3580 River Trace Drive	0	0	5	0	15	1	16
CR21767C	3670 River Trace Drive	0	0	5	10	5	1	16
CR21768C	3665 River Trace Drive	0	0	5	0	15	1	16
CR21769C	3665 River Trace Drive	0	0	5	10	5	1	16
CR20312C	9891 Carrington Lane	0	2	3	10	0	0	16
CR14603C	10165 Brier Mill Court	0	0	3	10	5	1	16
CR20322C	9633 Autry Mill Road	0	0	1	0	15	1	16
CR21151C	9633 Autry Mill Road	0	0	2	0	15	1	16
CR21152C	9633 Autry Mill Road	0	0	2	0	15	1	16
CR19804C	203 Saxony Lane	0	0	5	0	15	1	16
CR19803C	303 Brittingham Court	0	0	5	0	15	1	16
BL13036C	10315 Summer Creek Drive	0	0	5	10	5	2	17
BL13155C	505 Weatherend Court	0	0	4	10	5	2	17
BL13165C	9050 Brockham Way	0	0	3	10	5	2	17
BL10191C	3720 Jones Ferry Lane	0	0	5	10	5	2	17
CR10087C	9980 Carrington Lane	0	0	5	10	5	2	17
CR10155C	330 Old Preston Court	0	0	5	10	5	2	17
CR12400C	9510 Dominion Way	0	0	5	10	5	2	17
CR12440C	3055 Hartridge Drive	0	0	5	10	5	2	17
CR12610C	700 Old Knoll View	0	0	5	10	5	2	17
CR12551C	325 Trevington Court	0	0	5	10	5	2	17

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR12471C	3380 Merganser Lane	0	0	4	10	5	2	17
CR12472C	3395 Merganser Lane	0	0	4	0	15	2	17
CR12474C	3395 Merganser Lane	0	0	4	10	5	2	17
CR12597C	9635 Rod Road	0	0	5	0	15	2	17
CR12710C	9695 Foxworth Drive	0	0	2	0	15	2	17
CR14422C	810 Atry Landing Circle	0	0	5	10	5	2	17
BL12851C	301 Magnolia Grove	7	0	4	10	15	1	54
CR12368C	760 Redlion Run	7	0	4	10	15	1	54
CR12264C	9201 Brumbelow Crossing Way	7	0	4	10	15	1	54
CR20297C	9785 Foxworth Drive	0	0	5	10	15	2	27
CR22769C	3255 Kingshouse Commons	0	0	5	10	0	2	12
CR14431C	9832 Atry Falls Drive	0	0	4	10	15	2	27
CR47811C	760 Redlion Run	7	0	4	10	15	1	54
BB13375C	300 Summerlin Drive	7	0	4	10	5	0	43
BB13294C	5650 Vicarage Walk	7	0	4	10	5	0	43
BB19323C	566 Oxford Close	7	0	4	10	5	0	43
BB13388C	12290 Stevens Creek Drive	7	0	4	10	5	0	43
BB17661C	375 Crown Vetch Lane	7	0	4	10	5	0	43
BB13310C	5515 Vicarage Walk	7	0	4	0	15	0	43
BB13318C	5435 Vicarage Walk	7	0	4	10	5	0	43
BB13317C	5435 Vicarage Walk	7	0	4	0	15	0	43
BB13295C	5650 Vicarage Walk	7	0	4	0	15	0	43
BL15800C	4065 Brooksbridge Crossing	7	0	5	0	0	0	35
BL15802C	4065 Brooksbridge Crossing	7	0	5	0	0	0	35
BL20372C	10145 Haynes Bridge Road	0	7	2	0	0	0	14
BL18673C	115 Ocee View Court	7	0	5	0	0	0	35
BL18674C	115 Ocee View Court	7	0	5	0	0	0	35
BL18667C	4795 Hampton Square Drive	0	0	3	10	0	4	14
BL18708C	4660 Weatherwane Drive	7	0	5	0	0	0	35
BL22558C	10522 Maryam Trace #5	7	0	5	0	0	0	35
BL22571C	10240 Jones Bridge Road	7	0	5	0	0	0	35
CR10980C	1005 Chesson Court	7	0	5	0	0	0	35
CR10981C	1005 Chesson Court	7	0	5	0	0	0	35
CR10321C	960 Tiverton Lane	7	0	5	0	0	0	35
CR10724C	8860 Old Southwick Pass	7	0	5	0	0	0	35
BB40444C	11880 Douglas Road #100	7	0	5	0	0	0	35
BB13275C	5340 Bentley Hall Drive	0	0	5	10	5	0	15
BB19085C	12559 Kensington Boulevard	0	0	5	0	15	0	15
BB13328C	5565 Ashewoode Downs Drive	0	0	4	0	15	0	15
BB13329C	5565 Ashewoode Downs Drive	0	0	4	10	5	0	15
BB19202C	11877 Jones Bridge Road	0	0	5	10	5	0	15
CR47130C	9375 Barnwell Road	7	0	5	0	0	0	35
BB40454C	11880 Douglas Road #300	7	0	5	0	0	0	35
BB40075C	11875 Jones Bridge Road #A-I	0	0	4	10	5	0	15
BB19200C	11875 Jones Bridge Road #A-I	0	0	5	0	15	0	15
BB40032C	11758 Jones Bridge Road	7	0	5	0	0	0	35
BB40060C	11640 Jones Bridge Road	7	0	5	0	0	0	35
BB40058C	11640 Jones Bridge Road	7	0	5	0	0	0	35
BB40057C	11640 Jones Bridge Road	7	0	5	0	0	0	35
BB40059C	11640 Jones Bridge Road	7	0	5	0	0	0	35
JC19189C	11758 Jones Bridge Road	0	0	5	0	15	0	15
BL13049C	110 Founders Cove	0	0	4	10	5	4	19
BL13069C	3660 New Heritage Drive	0	0	5	0	15	1	16
BL12841C	2945 Ivey Oaks Lane	0	0	3	10	5	1	16
BL12840C	2930 Ivey Oaks Lane	0	0	5	0	15	1	16
BL12843C	2930 Ivey Oaks Lane	0	0	3	10	5	1	16
BL13024C	3185 Summer View Drive	0	0	5	10	5	1	16
BL13012C	10385 Virginia Pine Lane	0	0	5	10	5	1	16
BL13014C	10380 Virginia Pine Lane	0	0	5	10	5	1	16
BL13110C	10170 Timberstone Road	0	0	5	10	5	1	16
BL13126C	10515 Timberstone Road	0	0	5	10	15	1	26
BL13055C	3575 Legacy Trace	0	0	5	10	5	1	16
BL13052C	3530 Legacy Trace	0	0	5	10	5	1	16
BL13109C	3340 New Heritage Drive	0	0	5	10	5	1	16
BL13113C	3340 New Heritage Drive	0	0	4	10	5	1	16
BL13179C	535 Lathkil Court	0	0	5	10	5	1	16
BL13164C	300 Wyehwood Court	0	0	4	10	5	1	16
BL13152C	505 Weatherend Court	0	0	5	0	15	1	16
BL13180C	575 Weatherend Court	0	0	5	10	5	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL13153C	500 Weatherend Court	0	0	5	0	15	1	16
BL13157C	9050 Brockham Way	0	0	4	10	5	1	16
BL13158C	9050 Brockham Way	0	0	3	0	15	1	16
BL13172C	9265 Brockham Way	0	0	5	10	5	1	16
BL13146C	9700 Breckenridge Close	0	0	5	0	15	1	16
BL13204C	2090 Westwell Run	0	0	5	10	5	1	16
BL13186C	3545 Patterstone Drive	0	0	5	10	5	1	16
BL13210C	3590 Patterstone Drive	0	0	3	10	5	1	16
BL13222C	10010 Barston Court	0	0	5	10	5	1	16
BL13220C	10025 Barston Court	0	0	5	10	5	1	16
BL13221C	10025 Barston Court	0	0	5	0	15	1	16
BL13207C	10150 Barston Court	0	0	5	0	15	1	16
BL10183C	866 Braesridge Way	0	0	5	0	15	1	16
BL12937C	10210 Haynes Bridge Road	0	0	5	0	15	1	16
BL12928C	255 Meadowland Trace	0	0	5	10	5	1	16
BL12929C	10155 Old Woodland Entry	0	0	4	10	5	1	16
BL12918C	10115 Piney Ridge Walk	0	0	5	0	15	1	16
BL12922C	10105 Piney Ridge Walk	0	0	4	0	15	1	16
BL12919C	10120 Piney Ridge Walk	0	0	5	0	15	1	16
BL13072C	9960 Anaheim Drive	0	0	5	10	15	1	26
BL16881C	33106 Harvest Ridge Lane	0	0	5	10	5	1	16
BL22608C	10050 Anaheim Drive	0	0	4	10	5	1	16
CR11771C	355 Parsons Branch	0	0	5	10	5	1	16
CR11803C	245 Fairway Ridge Drive	0	0	5	10	15	1	26
CR11805C	370 Spyglass Bluff Drive	0	0	5	10	5	1	16
CR11693C	920 Tiber Circle	0	0	5	10	15	1	26
CR11714C	795 Rio Grande Drive	0	0	5	10	5	1	16
CR11724C	905 Yukon Drive	0	0	5	10	5	1	16
CR11729C	3175 Rivermont Parkway	0	0	5	10	5	1	16
CR11722C	3205 Rivermont Parkway	0	0	5	10	5	1	16
CR10080C	9911 Carrington Lane	0	0	5	10	5	1	16
CR10079C	9901 Carrington Lane	0	0	5	10	5	1	16
CR10093C	10021 Carrington Lane	0	0	5	0	15	1	16
CR10153C	555 Old Preston Trail	0	0	5	10	5	1	16
CR10159C	480 S. Preston Trail	0	0	5	10	5	1	16
CR10157C	190 Preston Oaks Drive	0	0	5	0	15	1	16
CR10158C	190 Preston Oaks Drive	0	0	5	10	5	1	16
CR10167C	260 Preston Oaks Drive	0	0	5	0	15	1	16
CR10169C	310 Preston Oaks Drive	0	0	5	10	5	1	16
CR11732C	3128 Rivermont Parkway	0	0	5	10	5	1	16
CR12018C	8705 Colony Club Drive	0	0	5	0	15	1	16
CR12020C	8705 Colony Club Drive	0	0	5	10	5	1	16
CR12146C	8835 Laurel Way	0	0	5	10	15	1	26
CR12023C	3040 Sawtooth Circle	0	0	4	10	5	1	16
CR12024C	3040 Sawtooth Circle	0	0	5	10	15	1	26
CR12026C	3040 Sawtooth Circle	0	0	4	10	15	1	26
CR12027C	3040 Sawtooth Circle	0	0	3	10	15	1	26
CR12346C	2885 Arbor Woods Drive	0	0	5	0	15	1	16
CR12270C	9315 Brumbelow Crossing Way	7	0	5	10	5	2	52
CR12360C	3231 Arbor Woods Drive	7	0	5	0	15	2	52
CR12422C	3235 Arbor Woods Drive	0	0	5	10	5	1	16
CR12425C	3235 Arbor Woods Drive	0	0	5	10	5	1	16
CR12424C	3275 Lord N Lady Lane	0	0	5	10	5	1	16
CR12439C	3050 Hartridge Drive	0	0	5	0	15	1	16
CR12331C	2895 Abbottswell Drive	7	0	5	10	5	2	52
CR12607C	720 Old Knoll View	0	0	4	10	5	1	16
CR12611C	700 Old Knoll View	0	0	5	10	5	1	16
CR12603C	555 Guildhall Place	0	0	5	0	15	1	16
CR12604C	555 Guildhall Place	0	0	5	0	15	1	16
CR12528C	760 Leeds Garden Terrace	0	0	4	10	0	3	13
CR12658C	445 Cullen Copse	0	0	4	0	15	1	16
CR12670C	130 Cupit Close	0	0	5	10	5	1	16
CR12672C	325 Aston Court	0	0	5	10	5	1	16
CR12661C	3370 Marquess Moor	0	0	4	0	15	1	16
CR12663C	3370 Marquess Moor	0	0	4	10	5	1	16
CR12664C	3375 Marquess Moor	0	0	4	10	5	1	16
CR12666C	3410 Marquess Moor	0	0	5	0	15	1	16
CR12668C	3425 Marquess Moor	0	0	1	10	5	1	16
CR12473C	3395 Merganser Lane	0	0	5	0	15	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR12484C	3425 Merganser Lane	0	0	5	0	15	1	16
CR12485C	3425 Merganser Lane	0	0	5	10	5	1	16
CR12532C	9875 Rod Road	0	0	2	0	15	1	16
CR12171C	3002 Park Chase	0	0	5	0	15	1	16
CR11953C	140 Stoney Ridge Drive	0	0	5	0	15	1	16
CR11962C	150 Stoney Ridge Drive	0	0	5	10	15	1	26
CR11992C	470 Stoney Ridge Court	0	0	4	10	5	1	16
CR12725C	210 Foxworth Chase	0	0	5	10	5	1	16
CR12699C	115 Foxbrush Circle	0	0	5	10	5	1	16
CR12696C	135 Gentry Gate	0	0	5	10	5	1	16
CR12712C	9680 Foxworth Drive	0	0	3	10	5	1	16
CR12549C	2910 Leeds Garden Lane	0	0	5	10	5	1	16
CR21176C	100 Preston Oaks Drive	0	0	5	0	15	1	16
CR19642C	9700 Breckenridge Close	0	0	5	0	15	1	16
CR14395C	700 Pine Leaf Court	0	0	5	10	5	1	16
CR14304C	230 Bright Water Cove	0	0	5	0	15	1	16
CR14366C	10100 High Falls Pointe	0	0	5	0	15	1	16
CR14367C	10100 High Falls Pointe	0	0	4	0	15	1	16
CR14369C	10100 High Falls Pointe	0	0	4	0	15	1	16
CR14368C	10075 High Falls Pointe	0	0	5	0	15	1	16
CR14309C	10040 High Falls Pointe	0	0	5	0	15	1	16
CR14310C	10040 High Falls Pointe	0	0	5	10	5	1	16
CR14396C	10165 High Falls Pointe	0	0	5	0	15	1	16
CR14397C	10165 High Falls Pointe	0	0	5	10	5	1	16
CR18527C	700 Weybridge Place	0	0	4	0	15	1	16
CR18528C	700 Weybridge Place	0	0	4	10	5	1	16
CR18529C	540 Dartington Way	0	0	4	0	15	1	16
CR18530C	540 Dartington Way	0	0	4	10	5	1	16
CR14615C	645 Turbridge Court	0	0	2	10	5	1	16
CR14616C	655 Turbridge Court	0	0	2	0	15	1	16
CR14601C	10210 Brier Mill Court	0	0	3	10	5	1	16
CR14592C	10260 Brier Mill Court	0	0	4	0	15	1	16
CR14596C	10250 Brier Mill Court	0	0	4	10	15	1	26
CR14591C	10245 Brier Mill Court	0	0	4	10	5	1	16
CR18550C	720 Cheltenham Place	0	0	5	10	5	1	16
CR18542C	4410 Burgess Hill Lane	0	0	4	10	5	1	16
CR18545C	4430 Burgess Hill Lane	0	0	5	10	5	1	16
CR18543C	4385 Burgess Hill Lane	0	0	3	0	15	1	16
CR18544C	4385 Burgess Hill Lane	0	0	3	10	5	1	16
CR18566C	955 Bishopswood Place	0	0	4	10	5	1	16
CR18539C	10105 Oxford Mill Drive	0	0	5	10	5	1	16
CR18552C	10085 Oxford Mill Drive	0	0	4	10	5	1	16
CR14594C	10240 Oxford Mill Drive	0	0	5	10	5	1	16
CR14610C	10360 Oxford Mill Circle	0	0	3	10	5	1	16
CR14612C	10370 Oxford Mill Circle	0	0	2	10	5	1	16
CR46348C	10430 Oxford Mill Circle	0	0	5	10	5	1	16
CR14639C	10480 Oxford Mill Circle	0	0	4	10	5	1	16
CR18518C	10685 Oxford Mill Circle	0	0	5	0	15	1	16
CR14370C	10080 High Falls Pointe	0	0	3	10	5	1	16
CR21758C	8001 Fairview Bluff	0	0	5	10	5	1	16
CR21278C	203 Saxony Lane	0	0	5	0	15	1	16
CR19805C	108 Saxony Lane	0	0	5	0	15	1	16
CR19802C	303 Brittingham Court	0	0	5	0	15	1	16
CR21175C	3455 Old Alabama Road	0	0	5	0	15	1	16
BL12828C	2930 Ivey Ridge Lane	7	0	5	10	5	1	51
BL13182C	3415 Old Alabama Road	7	0	5	0	15	1	51
BL13183C	3415 Old Alabama Road	7	0	5	0	15	1	51
BL12933C	10065 Old Woodland Entry	7	0	5	0	15	1	51
BL12854C	301 Magnolia Grove	7	0	5	10	5	1	51
BL21348C	3286 Old Alabama Road	7	0	5	0	15	1	51
CR12240C	9225 Mackinac Drive	7	0	5	0	15	1	51
CR12239C	9240 Mackinac Drive	7	0	5	0	15	1	51
CR12244C	9285 Mackinac Drive	7	0	5	0	15	1	51
CR12248C	9285 Mackinac Drive	7	0	5	10	5	1	51
CR12269C	9225 Brumbelow Crossing Way	7	0	5	10	5	1	51
CR12297C	110 Weedon Court	7	0	5	10	5	1	51
CR12303C	145 Norwich Way	7	0	5	0	15	1	51
CR12304C	145 Norwich Way	7	0	5	10	5	1	51
CR12300C	3005 Birchton Street	7	0	5	0	15	1	51

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR12310C	3040 Birchton Street	7	0	5	0	15	1	51
CR12311C	3040 Birchton Street	7	0	5	10	5	1	51
CR12338C	170 Fox Grape Lane	7	0	5	0	15	1	51
CR12351C	245 Gatsby Place	7	0	5	10	5	1	51
CR12371C	825 Redlion Run	7	0	5	0	15	1	51
CR12326C	2825 Abbottswell Drive	7	0	5	10	5	1	51
CR12324C	2820 Abbottswell Drive	7	0	5	10	5	1	51
CR19119C	9350 Brumbelow Crossing Way	7	0	5	0	15	1	51
CR19120C	9315 Brumbelow Crossing Way	7	0	5	0	15	1	51
CR14434C	100 Club Falls Drive	7	0	5	0	15	1	51
CR14436C	100 Club Falls Drive	7	0	5	10	5	1	51
CR14040C	9920 Jones Bridge Road	7	0	5	0	15	1	51
CR19780C	9920 Jones Bridge Road	7	0	5	0	15	1	51
CR19781C	9920 Jones Bridge Road	7	0	5	0	15	1	51
CR20098C	10280 Buice Road	7	0	5	0	15	1	51
CR20094C	10325 Autry Place	7	0	5	0	15	1	51
CR47843C	335 Elbe Drive	7	0	5	10	5	1	51
BL13033C	10545 Summer Creek Drive	7	0	5	0	15	0	50
CR12245C	9245 Mackinac Drive	7	0	5	0	15	0	50
CR12247C	9275 Mackinac Drive	7	0	5	10	5	0	50
CR12298C	110 Weedon Court	7	0	5	0	15	0	50
CR12314C	2720 Abbottswell Drive	7	0	5	10	5	0	50
CR12319C	2755 Abbottswell Drive	7	0	5	10	5	0	50
CR12750C	3720 Redcoat Way	7	0	5	0	5	0	40
CR12265C	9215 Brumbelow Road	7	0	5	0	15	0	50
BB13348C	220 Mirrowood Drive	7	0	5	0	5	0	40
BB22173C	375 Crown Vetch Lane	7	0	5	0	5	0	40
BB13313C	5500 Vicarage Walk	7	0	5	0	5	0	40
BB13289C	12485 Concord Hall Drive	7	0	5	0	5	0	40
BB19304C	120 Eastfield Court	7	0	5	0	5	0	40
BB19305C	120 Eastfield Court	7	0	5	0	5	0	40
BB19307C	147 Eastfield Court	7	0	5	0	5	0	40
BB19325C	571 Oxford Close	7	0	5	0	5	0	40
BB19302C	12505 Kensington Boulevard	7	0	5	0	5	0	40
BB13396C	12195 Stevens Creek Drive	7	0	5	0	5	0	40
BB13395C	12205 Stevens Creek Drive	7	0	5	0	5	0	40
BB13408C	12185 Stevens Creek Drive	7	0	5	0	5	0	40
BB17675C	130 Hydrangea Court	7	0	5	0	5	0	40
BB40488C	375 Crown Vetch Lane	7	0	5	0	5	0	40
BB40490C	375 Crown Vetch Lane	7	0	5	0	5	0	40
BB13319C	12630 Oxfordshire Court	7	0	5	0	5	0	40
BB40098C	5035 Kimball Bridge Road	7	0	5	0	5	0	40
BB40477C	5065 Kimball Bridge Road	7	0	5	0	5	0	40
CR14558C	805 Croft Court	0	0	4	10	5	3	18
BL13147C	9700 Breckenridge Close	0	0	5	0	15	0	15
BL13226C	3575 Patterstone Drive	0	0	4	10	5	0	15
BL12886C	10015 Haynes Bridge Road	0	0	5	0	15	0	15
BL12887C	10015 Haynes Bridge Road	0	0	5	10	5	0	15
BL12938C	10210 Haynes Bridge Road	0	0	5	0	15	0	15
BL12890C	1 Hemingbrough Way	0	0	5	10	5	0	15
BL12891C	1 Hemingbrough Way	0	0	5	0	15	0	15
BL12892C	1 Hemingbrough Way	0	0	4	10	5	0	15
BL12885C	33 Hemingbrough Way	0	0	5	10	5	0	15
BL12884C	34 Hemingbrough Way	0	0	5	0	15	0	15
BL12878C	38 Hemingbrough Way	0	0	5	10	5	0	15
BL12875C	20 Hemingbrough Way	0	0	5	0	15	0	15
BL12879C	20 Hemingbrough Way	0	0	5	10	5	0	15
BL12893C	8 Hemingbrough Way	0	0	5	10	5	0	15
BL12897C	8 Hemingbrough Way	0	0	5	0	15	0	15
CR14305C	215 Bright Water Cove	0	0	4	10	5	0	15
CR14609C	10360 Oxford Mill Circle	0	0	3	10	5	0	15
CR14631C	10455 Oxford Mill Circle	0	0	5	10	5	0	15
CR21279C	108 Saxony Lane	0	0	5	0	15	0	15
CR12823C	2880 Old Alabama Road #100-400	0	0	5	0	15	0	15
CR14632C.2	10445 Oxford Mill Circle	7	0	0	10	5	0	15
BL16994C	10965 Indian Village Drive	0	0	5	10	5	1	16
CR12121C	8860 Glen Ferry Drive	0	0	5	10	5	1	16
CR12552C	325 Trevington Court	0	0	5	10	0	2	12
CR14573C	9670 Hunts Pointe Drive	0	0	4	10	0	2	12

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR20363C	505 Old Chartwell Crossing	0	0	1	10	0	2	12
BL15743C	550 Country Glen Court	0	0	5	10	5	4	19
BL18676C	250 Frelig Trace	0	0	5	10	5	4	19
CR20346C	9265 Old Southwick Pass	0	7	4	10	0	0	38
BB13350C	215 Mirrowood Drive	7	0	4	10	0	0	38
BB13338C	5505 Ashewoode Downs Drive	7	0	4	10	0	0	38
BB13374C	300 Summerlin Drive	7	0	4	10	0	0	38
BB13407C	375 Stevens Creek Court	7	0	4	10	0	0	38
BB13390C	12240 Stevens Creek Drive	7	0	4	10	0	0	38
BB13391C	12240 Stevens Creek Drive	7	0	4	10	0	0	38
BB13389C	12290 Stevens Creek Drive	7	0	4	10	0	0	38
BB17657C	925 Snowberry Trail	7	0	4	10	0	0	38
BB17658C	350 Crown Vetch Lane	7	0	4	10	0	0	38
BB13300C	160 Vicarage Court	7	0	4	10	0	0	38
BB13301C	5445 Vicarage Walk	7	0	4	10	0	0	38
BB40092C	5505 Ashewoode Downs Drive	7	0	4	10	0	0	38
BB13384C	12370 Stevens Creek Drive	7	0	4	10	0	0	38
BB40046C	12370 Stevens Creek Drive	7	0	4	10	0	0	38
BB40044C	12370 Stevens Creek Drive	7	0	4	10	0	0	38
BL19880C	10910 Buice Road	0	0	5	10	15	2	27
CR31644C	8679 Barnwell Road	0	0	5	10	15	2	27
CR31645C	8679 Barnwell Road	0	0	5	10	15	2	27
CR12719C	3750 Redcoat Way	7	0	5	10	0	2	47
CR12144C	115 Holly Glen Court	0	0	5	10	0	1	11
CR12595C	9610 Rod Road	0	0	4	10	5	2	17
CR14554C	845 Croft Court	0	0	5	10	5	2	17
BL13092C	9965 Inisfree Drive	7	0	5	10	0	1	46
BL12835C	2880 Ivey Ridge Lane	7	0	5	10	0	1	46
BL13007C	10320 Virginia Pine Lane	7	0	5	10	0	1	46
CR11842C	8910 Niblick Drive	7	0	5	10	0	1	46
CR11848C	8850 Niblick Drive	7	0	5	10	0	1	46
CR12223C	771 Ashley Glen Lane	7	0	5	10	0	1	46
CR12242C	9225 Mackinac Drive	7	0	5	10	0	1	46
CR12243C	9235 Mackinac Drive	7	0	5	10	0	1	46
CR12271C	9315 Brumbelow Crossing Way	7	0	5	10	0	1	46
CR12295C	115 Weedon Court	7	0	5	10	0	1	46
CR12337C	180 Fox Grape Lane	7	0	5	10	0	1	46
CR12327C	2835 Abbottswell Drive	7	0	5	10	0	1	46
CR12749C	3740 Redcoat Way	7	0	5	10	0	1	46
CR14441C	130 Club Falls Drive	7	0	5	10	0	1	46
CR47847C	335 Elbe Drive	7	0	5	10	0	1	46
BL16848C	8108 Harvest Ridge Lane	0	0	5	10	0	4	14
BL19883C	10900 Buice Road	0	0	4	10	15	1	26
BL19884C	10900 Buice Road	0	0	3	10	15	1	26
BL19889C	10900 Buice Road	0	0	5	10	15	1	26
BL19890C	10900 Buice Road	0	0	5	10	15	1	26
BL19877C	10910 Buice Road	0	0	5	10	15	1	26
BL19888C	10910 Buice Road	0	0	5	10	15	1	26
BL22520C	10900 Buice Road	0	0	5	10	15	1	26
BL22521C	10900 Buice Road	0	0	5	10	15	1	26
BL22175C	10910 Buice Road	0	0	5	10	15	1	26
CR11808C	105 Brassy Court	0	0	5	10	15	1	26
CR11818C	190 Brassy Court	0	0	5	10	15	1	26
CR11834C	3305 Niblick Court	0	0	5	10	15	1	26
CR12167C	355 Brassy Court	0	0	5	10	15	1	26
CR12290C	9225 Chapelwood Drive	7	0	1	0	5	1	13
CR12606C	555 Guildhall Place	0	0	1	10	0	4	14
CR19212C	315 Brassy Court	0	0	5	10	15	1	26
CR20359C	175 Norwick Way	7	0	1	0	5	1	13
CR14423C	810 Autry Landing Circle	0	0	5	10	0	4	14
CR20358C	9205 Brumbelow Road	7	0	1	0	5	1	13
CR12166C.1	355 Brassy Court	0	0	5	10	15	1	26
BL12991C	170 Wentworth Terrace	7	0	5	10	0	0	45
BL13230C	10090 Trumpet Park	7	0	5	10	0	0	45
BL13231C	10090 Trumpet Park	7	0	5	10	0	0	45
BL10212C	630 Crossbridge Alley	7	0	5	10	0	0	45
BL10210C	430 Ferryman Court	7	0	5	10	0	0	45
BL15755C	10755 Plantation Bridge Drive	0	0	4	10	0	2	12
BL15756C	10755 Plantation Bridge Drive	0	0	4	10	0	2	12

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL15780C	220 Royal Colony Court	0	0	4	10	0	2	12
BL12853C	301 Magnolia Grove	7	0	5	10	0	0	45
BL12873C	18 Hemingbrough Way	0	0	4	10	0	0	10
BL12874C	18 Hemingbrough Way	0	0	5	10	0	0	10
BL12870C	9925 Haynes Bridge Road #220	0	0	5	10	0	0	10
BL19878C	10910 Buice Road	0	0	4	10	15	5	30
BL22629C	9970 Anaheim Drive	0	0	4	10	0	0	10
BL22628C	18 Hemingbrough Way	0	0	3	10	0	0	10
BL22630C	18 Hemingbrough Way	0	0	3	10	0	0	10
BL22626C	9925 Haynes Bridge Road #100-760	0	0	3	10	0	0	10
BL22627C	9925 Haynes Bridge Road #100-760	0	0	4	10	0	0	10
BL22634C	9925 Haynes Bridge Road #100	0	0	5	10	0	0	10
BL22635C	9925 Haynes Bridge Road #100	0	0	5	10	0	0	10
BL22431C	10990 State Bridge Road #A	0	0	5	10	0	0	10
BL22432C	10990 State Bridge Road #A	0	0	4	10	0	0	10
BL22469C	10990 State Bridge Road #A	0	0	5	10	0	0	10
BL22470C	10990 State Bridge Road #A	0	0	5	10	0	0	10
BL22471C	10990 State Bridge Road #A	0	0	4	10	0	0	10
BL22433C	10990 State Bridge Road #F	0	0	4	10	0	0	10
BL22434C	10990 State Bridge Road #F	0	0	4	10	0	0	10
BL22435C	10990 State Bridge Road #F	0	0	5	10	0	0	10
BL22436C	10990 State Bridge Road #F	0	0	5	10	0	0	10
BL22437C	10990 State Bridge Road #F	0	0	4	10	0	0	10
CR11840C	8910 Niblick Drive	7	0	5	10	0	0	45
CR11839C	8920 Niblick Drive	7	0	5	10	0	0	45
CR11761C	140 Colony Ridge Drive	7	0	5	10	0	0	45
CR11760C	190 Colony Ridge Drive	7	0	5	10	0	0	45
CR12011C	140 Colony Ridge Drive	7	0	5	10	0	0	45
CR12257C	3005 Georgian Manor Drive	7	0	5	10	0	0	45
CR12344C	110 Fox Grape Lane	7	0	5	10	0	0	45
CR12616C	245 Lochan Cove	0	0	5	10	0	2	12
CR12548C	2980 Leeds Garden Lane	0	0	4	10	0	2	12
CR12267C	9215 Brumbelow Road	7	0	5	10	0	0	45
CR21927C	3035 Arbor Woods Drive	7	0	5	10	0	0	45
CR14377C	10360 High Falls Circle	7	0	5	10	0	0	45
CR14294C	9832 Austry Falls Drive	0	0	3	10	0	2	12
CR47798C	2825 Abbottswell Drive	7	0	5	10	0	0	45
CR47880C	10465 Jones Bridge Road	7	0	5	10	0	0	45
BL13065C	210 Patriot Walk Court	0	0	4	10	5	1	16
BL20709C	11130 State Bridge Road #A101	0	0	5	10	5	1	16
CR11733C	3128 Rivermont Parkway	0	0	5	10	0	1	11
CR12347C	2875 Arbor Woods Drive	0	0	2	10	0	1	11
CR12274C	9160 Tuckerbrook Lane	7	0	4	0	15	1	44
CR12275C	9160 Tuckerbrook Lane	7	0	4	0	15	1	44
CR12302C	9310 Chapelwood Drive	7	0	4	0	15	1	44
CR12369C	760 Redlion Run	7	0	4	10	5	1	44
CR12617C	245 Lochan Cove	0	0	5	10	0	1	11
CR12659C	320 Loch Tay Way	0	0	5	10	5	1	16
CR12579C	9610 Rod Road	0	0	5	0	15	1	16
CR12101C	470 Stoney Ridge Court	0	0	4	10	0	1	11
CR12633C	3255 Kingshouse Commons	0	0	3	10	0	1	11
CR12636C	3284 Kingshouse Commons	0	0	5	10	0	1	11
CR14555C	730 Mill Circle	0	0	2	10	5	1	16
CR21223C	120 Gentry Gate	0	0	5	0	15	1	16
CR19779C	9930 Jones Bridge Road	0	0	5	0	15	1	16
CR10818C	3005 Wellington Road	7	0	5	0	0	0	35
CR10966C	1006 Cherbury Lane	7	0	5	0	0	0	35
CR12091C	9000 Tuckerbrook Lane	7	0	5	0	0	0	35
CR12086C	9012 Tuckerbrook Lane	7	0	5	0	0	0	35
CR12087C	9024 Tuckerbrook Lane	7	0	5	0	0	0	35
CR12088C	9075 Tuckerbrook Lane	7	0	5	0	0	0	35
CR14509C	100 Windlake Cove	7	0	5	0	0	0	35
CR14507C	9785 Austry Falls Drive	7	0	5	0	0	0	35
BB40076C	12570 Cornish Court	7	0	5	0	0	0	35
BB13252C	215 Winwood Way	7	0	5	0	0	0	35
BB13251C	110 Concord Trace	7	0	5	0	0	0	35
BB17676C	200 Crown Vetch Lane	7	0	5	0	0	0	35
CR47096C	9750 Hunts Pointe Drive	7	0	5	0	0	0	35
BL20405C	10145 Haynes Bridge Road	0	7	2	0	15	0	29

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL19843C	10900 Buice Road	0	0	5	10	15	4	29
CR22747C	9880 Rod Road	0	0	5	10	15	4	29
BL15784C	145 Colony Run	0	0	5	10	5	2	17
BL18597C	11365 Brookhollow Trail	0	0	5	10	5	2	17
BL22182C	11130 State Bridge Road #101-F106	0	0	5	0	15	2	17
BL22381C	120 Paley Way	0	0	5	10	0	0	10
BL22235C	5065 Kimball Bridge Road	7	0	4	0	5	1	34
BB40077C	11877 Douglas Road #100-268	0	0	4	10	0	0	10
BB40078C	11877 Douglas Road #268	0	0	4	10	0	0	10
BB40074C	11937 Ashcroft Bnd	0	0	4	10	0	0	10
BB40095C	11914 Jones Bridge Road	0	0	5	10	0	0	10
BB40094C	11914 Jones Bridge Road	0	0	5	10	0	0	10
CR47839C	9041 Tuckerbrook Lane	0	0	4	10	0	0	10
BB40451C	11905 Ashcroft Bnd	0	0	5	10	0	0	10
CR12441C	3055 Hartridge Drive	0	0	5	10	0	3	13
CR12591C	120 Old Chartwell Drive	0	0	5	10	0	3	13
CR12694C	9790 Foxworth Drive	0	0	3	10	0	3	13
BL13178C	540 Lathkil Court	0	0	4	10	0	2	12
BL22233C	5065 Kimball Bridge Road	7	0	4	0	0	0	28
CR12375C	3020 Georgian Manor Drive	7	0	2	10	0	0	24
CR14333C	9825 Aтры Falls Drive	0	0	4	10	0	2	12
BB40065C	11640 Jones Bridge Road	7	0	4	0	0	0	28
BL15747C	625 Fieldwood Lane	0	0	5	10	0	1	11
BL15750C	10730 Plantation Bridge Drive	0	0	4	10	0	1	11
BL15751C	10730 Plantation Bridge Drive	0	0	4	10	0	1	11
BL18490C	11275 Amy Frances Lane	0	0	5	10	0	1	11
BL18585C	220 Brookhollow Trace	0	0	5	10	0	1	11
BL18595C	11280 Brookhollow Trail	0	0	5	10	0	1	11
BL18647C	4745 Minden Chase	0	0	5	10	0	1	11
CR12414C	3430 Arbor Woods Drive	0	0	4	10	0	1	11
CR20301C	2980 Leeds Garden Lane	0	0	1	10	0	1	11
BB17660C	375 Crown Vetch Lane	7	0	4	0	5	0	33
BB17659C	350 Crown Vetch Lane	7	0	4	0	5	0	33
CR12312C	3105 Birchton Street	7	0	5	0	5	1	41
CR12339C	170 Fox Grape Lane	7	0	5	0	5	1	41
CR12359C	3231 Arbor Woods Drive	7	0	5	0	5	1	41
CR12546C	3025 Leeds Garden Lane	7	0	5	0	5	1	41
CR20097C	10195 Aтры Mill Road	7	0	5	0	5	1	41
CR47874C	9920 Jones Bridge Road	7	0	5	0	5	1	41
BL19844C	10900 Buice Road	0	0	5	10	15	2	27
BL19891C	10910 Buice Road	0	0	5	10	15	2	27
BL22511C	10900 Buice Road	0	0	4	10	15	2	27
BL22517C	10900 Buice Road	0	0	3	10	15	2	27
CR21972C	230 Lochan Cove	0	0	5	10	15	2	27
CR21973C	230 Lochan Cove	0	0	5	10	15	2	27
CR19910C	9800 Brumbelow Road	0	0	5	10	15	2	27
CR47909C	315 Brassy Court	0	0	5	10	15	2	27
BL12836C	2880 Ivey Ridge Lane	7	0	5	0	5	0	40
BL13019C	115 Pine Club Lane	0	0	5	0	15	1	16
BL15791C	10440 Meadow Crest Lane	0	0	5	10	5	1	16
BL15738C	445 Poplar Glen Court	0	0	5	10	5	1	16
BL15781C	335 Stable Lane	0	0	5	10	5	1	16
BL17015C	680 Spirit Falls Way	0	0	5	10	5	1	16
BL16990C	10885 Indian Village Drive	0	0	5	10	5	1	16
BL18454C	4715 Jones Bridge Woods Drive	0	0	5	10	5	1	16
BL18617C	315 Milton Oaks Circle	0	0	5	10	5	1	16
BL18622C	710 Milton Oaks Drive	0	0	4	10	5	1	16
BL19610C	11170 State Bridge Road	0	0	4	0	15	1	16
BL19591C	10995 State Bridge Road #A-F	0	0	5	0	15	1	16
BL19593C	11075 State Bridge Road	0	0	5	0	15	1	16
BL19594C	11075 State Bridge Road	0	0	5	0	15	1	16
BL19613C	11195 State Bridge Road	0	0	4	0	15	1	16
BL20036C	11140 State Bridge Road	0	0	5	0	15	1	16
BL22425C	4645 Valais Court #127	0	0	5	10	0	0	10
BL22351C	11250 State Bridge Road	0	0	5	0	15	1	16
BL22222C	4395 Kimball Bridge Road	0	0	5	0	15	1	16
CR10704C	8980 Old Southwick Pass	0	0	5	10	0	0	10
CR11672C	700 Nile Drive	7	0	5	0	5	0	40
CR11994C	8630 Colony Club Drive	0	0	5	10	5	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR12241C	9225 Mackinac Drive	7	0	5	0	5	0	40
CR12246C	9245 Mackinac Drive	7	0	5	0	5	0	40
CR12296C	115 Weedon Court	7	0	5	0	5	0	40
CR12531C	760 Leeds Garden Terrace	0	0	5	10	5	1	16
CR12660C	320 Loch Tay Way	0	0	5	10	5	1	16
CR12266C	9215 Brumbelow Road	7	0	5	0	5	0	40
CR14575C	10302 Papillon Trace	0	0	5	10	5	1	16
CR14551C	310 Aston Court	0	0	5	10	0	0	10
CR22764C	310 Aston Court	0	0	2	10	0	0	10
CR14293C	130 Club Falls Drive	7	0	5	0	5	0	40
CR14351C	4090 Falls Ridge Drive	0	0	4	10	0	0	10
CR14184C	908 Grovehurst Drive	0	0	5	10	0	0	10
CR14176C	10055 Jones Bridge Road	0	0	4	10	0	0	10
CR14183C	3756 Saint Andrews Parkway	0	0	4	10	0	0	10
CR14180C	208 Saxony Lane	0	0	5	10	0	0	10
CR14179C	306 Brittingham Court	0	0	5	10	0	0	10
CR14181C	306 Brittingham Court	0	0	5	10	0	0	10
CR14182C	306 Brittingham Court	0	0	5	10	0	0	10
CR14174C	220 Saxony Lane	0	0	4	10	0	0	10
CR47816C	8670 Barnwell Road	0	0	5	10	0	0	10
CR47817C	8670 Barnwell Road	0	0	5	10	0	0	10
CR31648C	8679 Barnwell Road	0	0	5	10	0	0	10
CR47793C	8620 Barnwell Road #Rear	0	0	5	10	0	0	10
BL13154C	525 Weatherend Court	0	0	4	10	0	2	12
BL15794C	10540 Willow View Circle	0	0	4	10	15	1	26
BL15829C	10735 Willow Meadow Circle	0	0	5	10	15	1	26
BL16855C	9106 Harvest Ridge Lane	0	0	5	10	0	2	12
BL19841C	10900 Buice Road	0	0	5	10	15	1	26
BL19842C	10900 Buice Road	0	0	5	10	15	1	26
BL19845C	10900 Buice Road	0	0	5	10	15	1	26
BL19885C	10900 Buice Road	0	0	3	10	15	1	26
BL19886C	10900 Buice Road	0	0	5	10	15	1	26
BL19887C	10900 Buice Road	0	0	3	10	15	1	26
BL19949C	10900 Buice Road	0	0	5	10	15	1	26
BL19876C	10910 Buice Road	0	0	5	10	15	1	26
BL19879C	10910 Buice Road	0	0	4	10	15	1	26
BL19881C	10910 Buice Road	0	0	5	10	15	1	26
BL19882C	10910 Buice Road	0	0	4	10	15	1	26
BL22514C	10900 Buice Road	0	0	5	10	15	1	26
BL22515C	10900 Buice Road	0	0	5	10	15	1	26
BL22516C	10900 Buice Road	0	0	5	10	15	1	26
BL22512C	10900 Buice Road	0	0	4	10	15	1	26
BL22095C	10950 State Bridge Road	0	0	5	10	15	1	26
BL22518C	10910 Buice Road	0	0	5	10	15	1	26
BL22519C	10910 Buice Road	0	0	5	10	15	1	26
CR12168C	355 Sand Wedge Lane	0	0	5	10	15	1	26
CR12169C	395 Sand Wedge Lane	0	0	5	10	15	1	26
CR12127C	8900 Glen Ferry Drive	0	0	5	10	15	1	26
CR12115C	8810 Glen Ferry Drive	0	0	5	10	15	1	26
CR12154C	3545 River Ferry Drive	0	0	5	10	15	1	26
CR12142C	3605 River Ferry Drive	0	0	5	10	15	1	26
CR12139C	3620 River Ferry Drive	0	0	5	10	15	1	26
CR12443C	3085 Hartridge Drive	0	0	5	10	0	2	12
CR12444C	3085 Hartridge Drive	0	0	5	10	0	2	12
CR12631C	445 Cullen Copse	0	0	3	10	0	2	12
CR12475C	3405 Merganser Lane	0	0	4	10	0	2	12
CR12695C	9775 Foxworth Drive	0	0	3	10	0	2	12
CR12550C	2910 Leeds Garden Lane	0	0	5	10	0	2	12
CR22765C	3395 Merganser Lane	0	0	5	10	0	2	12
CR21968C	9840 Rod Road	0	0	5	10	15	1	26
CR21970C	9820 Rod Road	0	0	5	10	15	1	26
CR21977C	9820 Rod Road	0	0	5	10	15	1	26
CR21988C	9820 Rod Road	0	0	5	10	15	1	26
CR22750C	9820 Rod Road	0	0	4	10	15	1	26
CR21984C	9878 Brumbelow Road	0	0	5	10	15	1	26
CR21985C	9878 Brumbelow Road	0	0	5	10	15	1	26
CR21986C	9878 Brumbelow Road	0	0	5	10	15	1	26
CR19908C	3150 Old Alabama Road	0	0	5	10	15	1	26
CR21975C	9880 Rod Road	0	0	5	10	15	1	26

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR19906C	9800 Brumbelow Road	0	0	5	10	15	1	26
CR22752C	9800 Brumbelow Road	0	0	5	10	15	1	26
CR21991C	3190 Old Alabama Road	0	0	5	10	15	1	26
BB13406C	375 Stevens Creek Court	7	0	3	10	0	0	31
BB13392C	12220 Stevens Creek Drive	7	0	3	10	0	0	31
BB22226C	375 Crown Vetch Lane	7	0	3	10	0	0	31
CR10058C	585 Oak Bridge Trail	0	0	4	10	0	1	11
CR10064C	580 Oak Bridge Trail	0	0	4	10	0	1	11
CR11908C	9400 Delft Way	0	0	4	10	0	1	11
CR21766C	215 Coosa Lane	0	0	5	10	0	1	11
CR21762C	3590 River Trace Drive	0	0	5	10	0	1	11
CR14426C	9830 Autry Falls Drive	0	0	5	10	0	4	14
CR47818C	3590 River Trace Drive	0	0	5	10	0	1	11
CR47871C	585 Oak Bridge Trail	0	0	5	10	0	1	11
BL10174C	890 Braesridge Way	0	0	5	10	5	2	17
BL20399C	10965 Indian Village Drive	0	3	1	0	5	1	9
BL20398C	10965 Indian Village Drive	0	3	1	0	5	1	9
CR12578C	9590 Rod Road	0	0	5	0	15	2	17
CR12581C	9665 Rod Road	0	0	4	10	5	2	17
CR14335C	320 Windlake Court	7	0	4	10	0	0	38
BL15879C	565 Edgehill Place	0	0	5	10	15	5	30
BL15757C	720 Country Manor Way	0	0	5	10	0	0	10
BL15782C	340 Stable Lane	0	0	5	10	0	0	10
BL12904C	10135 Haynes Bridge Road	0	0	5	10	0	0	10
BL18602C	11375 Brookhollow Trail	0	0	5	10	0	0	10
BL18470C	120 Paley Way	0	0	5	10	0	0	10
BL17062C	4645 Valais Court #141	0	0	5	10	0	0	10
BL17064C	4645 Valais Court #119	0	0	5	10	0	0	10
BL17065C	4645 Valais Court #123	0	0	5	10	0	0	10
BL17068C	4645 Valais Court #123	0	0	5	10	0	0	10
BL17063C	4645 Valais Court #136	0	0	5	10	0	0	10
BL18737C	1210 Composer Lane	0	0	3	10	0	0	10
BL19611C	11170 State Bridge Road	0	0	4	0	15	0	15
BL22666C	10135 Haynes Bridge Road	0	0	4	10	0	0	10
BL22414C	10995 State Bridge Road #A-F	0	0	5	10	0	0	10
BL22377C	101 Caswyck Trace	0	0	4	10	0	0	10
BL22378C	103 Caswyck Trace	0	0	4	10	0	0	10
BL22403C	103 Caswyck Trace	0	0	4	10	0	0	10
BL22404C	112 Caswyck Trace	0	0	5	10	0	0	10
BL22452C	128 Caswyck Trace	0	0	5	10	0	0	10
BL22442C	96 Caswyck Trace	0	0	5	10	0	0	10
BL22428C	10990 State Bridge Road #A	0	0	4	10	0	0	10
BL22398C	11030 Jones Bridge Road # 210	0	0	5	10	0	0	10
BL22397C	10945 State Bridge Road #100	0	0	4	10	0	0	10
BL22407C	11105 State Bridge Road #120	0	0	2	10	0	0	10
BL22408C	11105 State Bridge Road #120	0	0	5	10	0	0	10
BL22409C	11105 State Bridge Road #120	0	0	5	10	0	0	10
BL22410C	11105 State Bridge Road #120	0	0	4	10	0	0	10
BL22411C	11105 State Bridge Road #120	0	0	5	10	0	0	10
BL22412C	11105 State Bridge Road #120	0	0	5	10	0	0	10
BL22402C	11105 State Bridge Road #300	0	0	5	10	0	0	10
BL22500C	10945 State Bridge Road #307	0	0	5	10	0	0	10
BL22422C	10975 State Bridge Road	0	0	4	10	0	0	10
BL22423C	10975 State Bridge Road	0	0	4	10	0	0	10
BL22395C	10945 State Bridge Road #403	0	0	5	10	0	0	10
BL22501C	10945 State Bridge Road #401	0	0	5	10	0	0	10
BL22449C	11105 State Bridge Road #100	0	0	5	10	0	0	10
BL22399C	11030 Jones Bridge Road #300	0	0	5	10	0	0	10
BL22388C	11030 Jones Bridge Road #200	0	0	5	10	0	0	10
BL22392C	11030 Jones Bridge Road #200	0	0	4	10	0	0	10
BL22394C	11030 Jones Bridge Road #200	0	0	5	10	0	0	10
BL22396C	11030 Jones Bridge Road #203	0	0	4	10	0	0	10
BL22487C	10945 State Bridge Road #501	0	0	5	10	0	0	10
BL22490C	10945 State Bridge Road #501	0	0	5	10	0	0	10
BL22401C	11105 State Bridge Road #310	0	0	5	10	0	0	10
BL22406C	11105 State Bridge Road #150	0	0	5	10	0	0	10
BL22307C	11130 State Bridge Road #A101	0	0	0	10	5	0	15
BL22405C	11105 State Bridge Road #160	0	0	5	10	0	0	10
BL22413C	10995 State Bridge Road #F	0	0	5	10	0	0	10

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL22390C	10945 State Bridge Road #101-503	0	0	4	10	0	0	10
BL22391C	10945 State Bridge Road #101-503	0	0	4	10	0	0	10
BL22393C	10945 State Bridge Road #101-503	0	0	5	10	0	0	10
CR11782C	40 Fairway Ridge Drive	0	0	5	10	15	0	25
CR11777C	15 Fairway Ridge Drive	0	0	5	10	15	0	25
CR10839C	6090 Carlisle Lane	0	0	5	10	0	0	10
CR10841C	7025 Carlisle Lane	0	0	5	10	0	0	10
CR10335C	925 Hurlleston Lane	0	0	4	10	0	0	10
CR10865C	3010 Edmonton Green Court	0	0	5	10	0	0	10
CR10925C	3020 Compton Court	0	0	5	10	0	0	10
CR10930C	2015 Compton Way	0	0	5	10	0	0	10
CR10851C	2060 Northwick Pass Way	0	0	5	10	0	0	10
CR10792C	4055 Old Southwick Pass	0	0	5	10	0	0	10
CR10699C	9053 Old Southwick Pass	0	0	5	10	0	0	10
CR10926C	3010 Compton Court	0	0	5	10	0	0	10
CR12129C	8725 Lake Glen Court	0	0	5	10	15	0	25
CR12148C	8935 Laurel Way	0	0	5	10	15	0	25
CR12151C	8935 Laurel Way	0	0	5	10	15	0	25
CR12539C	9870 Rod Road	0	0	4	10	0	0	10
CR20816C	3505 Rivermont Parkway	0	0	5	10	15	0	25
CR37508C	8550 Barnwell Road	0	0	3	10	0	0	10
CR47136C	2145 Northwick Pass Way	0	0	4	10	0	0	10
CR47137C	2145 Northwick Pass Way	0	0	4	10	0	0	10
CR47120C	4035 Old Southwick Pass	0	0	5	10	0	0	10
CR47169C	202 Saint Andrews Court	0	0	4	10	0	0	10
BB19206C	11950 Jones Bridge Road #115	0	0	5	10	15	0	25
BB19859C	11950 Jones Bridge Road #113	0	0	5	10	15	0	25
BL15792C	10465 Willow View Circle	0	0	5	10	15	4	29
BL15806C	10465 Willow Meadow Circle	0	0	5	10	15	4	29
BL15805C	10455 Willow Meadow Circle	0	0	5	10	15	4	29
BL15809C	10505 Willow Meadow Circle	0	0	5	10	15	4	29
BL15885C	10655 Buice Road	0	0	5	10	15	4	29
BL18610C	4665 Sengen Trace	0	0	5	10	15	4	29
BL18641C	11355 Ridge Hill Drive	0	0	5	10	15	4	29
BL18663C	100 Ocee View Court	0	0	5	10	15	4	29
BL13051C	115 Founders Cove	0	0	3	10	5	1	16
BL13174C	665 Barston Lane	0	0	5	10	5	1	16
BL10176C	730 Crossbridge Alley	0	0	5	10	5	1	16
BL18568C	11365 Brookhollow Trail	0	0	5	0	15	1	16
BL18596C	11365 Brookhollow Trail	0	0	5	0	15	1	16
BL19602C	11115 Amy Frances Lane	0	0	3	0	15	1	16
BL18653C	4835 Jones Bridge Place Drive	0	0	5	0	15	1	16
BL18694C	4830 Weathervane Drive	0	0	3	0	15	1	16
BL22631C	3000 Old Alabama Road #128B	0	0	5	0	15	1	16
BL22645C	9915 Haynes Bridge Road	0	0	5	10	5	1	16
CR11924C	335 Hepplewhite Drive	0	0	5	10	5	1	16
CR11917C	415 Hepplewhite Drive	0	0	5	10	5	1	16
CR11905C	3395 Aubusson Trace	0	0	5	10	5	1	16
CR10068C	540 Oak Bridge Trail	0	0	5	10	5	1	16
CR11866C	230 N. Peak Drive	0	0	5	10	5	1	16
CR11864C	240 N. Peak Drive	0	0	5	10	5	1	16
CR11920C	520 Farthingale Court	0	0	5	10	5	1	16
CR11942C	3535 Pairpoint Place	0	0	5	10	5	1	16
CR12070C	8780 Mount Rushmore Drive	0	0	4	10	5	1	16
CR12078C	8720 Mount Rushmore Drive	0	0	5	10	5	1	16
CR12079C	8680 Mount Rushmore Drive	0	0	5	10	5	1	16
CR12590C	120 Old Chartwell Drive	0	0	5	10	5	3	18
CR12589C	330 Guildhall Grove	0	0	5	10	5	1	16
CR12479C	3235 Merganser Lane	0	0	5	10	5	1	16
CR12490C	3525 Merganser Lane	0	0	5	10	5	1	16
CR11940C	3545 Pairpoint Place	0	0	5	10	5	1	16
CR11954C	140 Stoney Ridge Drive	0	0	4	10	5	1	16
CR12489C	3475 Merganser Lane	0	0	5	10	5	1	16
CR21196C	4410 Old Wesleyan Woods	0	0	5	0	15	1	16
CR14559C	9680 Hunts Pointe Drive	0	0	4	0	15	1	16
CR22767C	3420 Merganser Lane	0	0	1	10	5	1	16
CR20361C	3420 Merganser Lane	0	0	1	10	5	1	16
CR22749C	9830 Rod Road	0	0	5	0	15	1	16
CR14308C	10015 High Falls Pointe	0	0	5	10	5	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR14425C	3905 Falls Landing Drive	0	0	5	10	5	1	16
CR18536C	510 Winborne Place	0	0	5	10	5	1	16
CR19914C	3150 Old Alabama Road	0	0	5	0	15	1	16
CR21990C	3150 Old Alabama Road	0	0	5	10	5	1	16
CR21967C	3280 Old Alabama Road #200	0	0	5	0	15	1	16
CR21976C	3280 Old Alabama Road #200	0	0	5	0	15	1	16
CR19913C	9800 Brumbelow Road	0	0	4	0	15	1	16
CR19932C	9800 Brumbelow Road	0	0	5	0	15	1	16
CR19934C	9800 Brumbelow Road	0	0	5	0	15	1	16
CR19935C	9800 Brumbelow Road	0	0	5	0	15	1	16
CR19936C	9800 Brumbelow Road	0	0	5	0	15	1	16
CR22754C	9800 Brumbelow Road	0	0	5	0	15	1	16
CR21964C	3125 Old Alabama Road	0	0	5	10	5	1	16
CR21965C	3125 Old Alabama Road	0	0	5	10	5	1	16
CR14295C	9832 Autry Falls Drive	0	0	4	0	15	1	16
BL12844C	2930 Ivey Oaks Lane	0	0	4	10	0	1	11
BL13025C	3185 Summer View Drive	0	0	5	10	0	1	11
BL13114C	3340 New Heritage Drive	0	0	4	10	0	1	11
BL13047C	3420 New Heritage Drive	0	0	5	10	0	1	11
BL13181C	575 Weatherend Court	0	0	5	10	0	1	11
BL13173C	9265 Brockham Way	0	0	5	10	0	1	11
BL13205C	2080 Westwell Run	0	0	5	10	0	1	11
BL13228C	3555 Patterstone Drive	0	0	4	10	0	1	11
BL13211C	3590 Patterstone Drive	0	0	3	10	0	1	11
BL13227C	3575 Patterstone Drive	0	0	3	10	0	1	11
BL10190C	3720 Jones Ferry Lane	0	0	5	10	0	1	11
BL16829C	2106 Harvest Ridge Lane	0	0	5	10	0	1	11
BL16849C	8108 Harvest Ridge Lane	0	0	5	10	0	1	11
BL16856C	9106 Harvest Ridge Lane	0	0	5	10	0	1	11
BL22606C	10315 Summer Creek Drive	0	0	5	10	0	1	11
CR11806C	370 Spyglass Bluff Drive	0	0	5	10	0	1	11
CR11715C	795 Rio Grande Drive	0	0	5	10	0	1	11
CR11730C	3175 Rivermont Parkway	0	0	5	10	0	1	11
CR10089C	9981 Carrington Lane	0	0	4	10	0	1	11
CR10156C	330 Old Preston Court	0	0	5	10	0	1	11
CR10154C	545 Old Preston Trail	0	0	5	10	0	1	11
CR12352C	255 Gatsby Place	0	0	5	10	0	1	11
CR12612C	700 Old Knoll View	0	0	5	10	0	1	11
CR12671C	140 Cupit Close	0	0	5	10	0	1	11
CR12673C	325 Aston Court	0	0	5	10	0	1	11
CR12662C	3370 Marquess Moor	0	0	5	10	0	1	11
CR12665C	3385 Marquess Moor	0	0	4	10	0	1	11
CR12669C	3425 Marquess Moor	0	0	1	10	0	1	11
CR12476C	3405 Merganser Lane	0	0	4	10	0	1	11
CR12601C	9540 Rod Road	0	0	4	10	0	1	11
CR12726C	210 Foxworth Chase	0	0	4	10	0	1	11
CR12727C	210 Foxworth Chase	0	0	4	10	0	1	11
CR12697C	150 Gentry Gate	0	0	5	10	0	1	11
CR22760C	190 Preston Oaks Drive	0	0	5	10	0	1	11
CR22756C	310 Preston Oaks Drive	0	0	5	10	0	1	11
CR14311C	10040 High Falls Pointe	0	0	5	10	0	1	11
CR14399C	10165 High Falls Pointe	0	0	4	10	0	1	11
CR14326C	405 Waters Bend Way	0	0	5	10	0	1	11
CR18535C	520 Dartington Way	0	0	4	10	0	1	11
CR18531C	540 Dartington Way	0	0	4	10	0	1	11
CR14623C	640 Turbridge Court	0	0	2	10	0	1	11
CR18551C	720 Cheltenham Place	0	0	5	10	0	1	11
CR18567C	955 Bishopswood Place	0	0	4	10	0	1	11
CR14590C	10250 Oxford Mill Circle	0	0	5	10	0	1	11
CR14646C	10555 Oxford Mill Circle	0	0	4	10	0	1	11
CR14372C	10080 High Falls Pointe	0	0	3	10	0	1	11
CR12601C.1	9550 Rod Road	0	0	4	10	0	1	11
CR47002C	10445 Oxford Mill Circle	0	0	5	10	0	1	11
CR47000C	10440 Oxford Mill Circle	0	0	5	10	0	1	11
BL13202C	2000 Westwell Run	0	0	4	10	0	0	10
CR10801C	3020 Wellington Road	0	0	5	10	0	0	10
CR10793C	3040 Wellington Road	0	0	3	10	0	0	10
CR10799C	3015 Wellington Road	0	0	5	10	0	0	10
CR10918C	1006 Wetherby Way	0	0	5	10	0	0	10

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR10313C	9375 Chandler Bluff	7	0	5	0	0	0	35
CR10888C	10 Dover Cliff Way	0	0	5	10	0	0	10
CR10890C	10 Dover Cliff Way	0	0	5	10	0	0	10
CR10892C	120 Dover Cliff Way	0	0	5	10	0	0	10
CR10702C	8980 Old Southwick Pass	0	0	4	10	0	0	10
CR10760C	8980 Old Southwick Pass	0	0	5	10	0	0	10
CR10250C	9280 Old Southwick Pass	7	0	5	0	0	0	35
CR10253C	9280 Old Southwick Pass	7	0	5	0	0	0	35
CR10254C	9280 Old Southwick Pass	7	0	5	0	0	0	35
CR11698C	795 Nile Drive	7	0	5	0	0	0	35
CR11914C	3495 Aubusson Trace	0	0	5	10	0	0	10
CR10051C	345 Landing Entry	0	0	5	10	0	0	10
CR12201C	2025 Eagle Glen Road	0	0	2	10	0	0	10
CR12058C	3415 Rivermont Parkway	0	0	5	10	15	3	28
CR12237C	9185 Mackinac Drive	7	0	5	0	0	0	35
CR12085C	9000 Tuckerbrook Lane	7	0	5	0	0	0	35
CR12320C	2755 Abbottswell Drive	7	0	5	0	0	0	35
CR12206C	56 Nesbit Place	0	0	5	10	0	0	10
CR12207C	56 Nesbit Place	0	0	5	10	0	0	10
CR12208C	56 Nesbit Place	0	0	4	10	0	0	10
CR12209C	52 Nesbit Place	0	0	4	10	0	0	10
CR12210C	52 Nesbit Place	0	0	4	10	0	0	10
CR12748C	3740 Redcoat Way	7	0	5	0	0	0	35
CR12698C	3840 Hedgecliff Court	0	0	2	10	0	0	10
CR12703C	3855 Hedgecliff Court	0	0	1	10	0	0	10
CR12197C	9155 Nesbit Ferry Road #40	0	0	5	10	0	0	10
CR12198C	9155 Nesbit Ferry Road #40	0	0	5	10	0	0	10
CR12200C	9155 Nesbit Ferry Road #130	0	0	2	10	0	0	10
CR12202C	9155 Nesbit Ferry Road #130	0	0	5	10	0	0	10
CR12188C	9155 Nesbit Ferry Road #97	0	0	5	10	0	0	10
CR12192C	9155 Nesbit Ferry Road #103	0	0	5	10	0	0	10
CR12185C	9155 Nesbit Ferry Road #92	0	0	4	10	0	0	10
CR12191C	9155 Nesbit Ferry Road #109	0	0	5	10	0	0	10
CR12004C	8465 Holcomb Bridge Road #140	0	0	5	10	0	0	10
CR19213C	315 Brassy Court	0	0	5	10	5	5	20
CR21851C	220 Coosa Lane	0	0	5	10	0	0	10
CR14166C	836 Autry Oak Court	7	0	5	0	0	0	35
CR14167C	848 Autry Oak Court	7	0	5	0	0	0	35
CR14168C	848 Autry Oak Court	7	0	5	0	0	0	35
CR14378C	10350 High Falls Circle	7	0	5	0	0	0	35
CR14411C	755 Falls Landing Court	7	0	5	0	0	0	35
CR14412C	745 Falls Landing Court	7	0	5	0	0	0	35
CR14516C	625 Falls Bay Court	0	0	5	10	0	0	10
CR14582C	170 Autry Trail	7	0	5	0	0	0	35
CR14583C	170 Autry Trail	7	0	5	0	0	0	35
CR14584C	170 Autry Trail	7	0	5	0	0	0	35
CR14581C	4510 Burgess Hill Lane	7	0	5	0	0	0	35
CR14628C	10420 Oxford Mill Circle	7	0	5	0	0	0	35
CR14193C	1002 Grovehurst Drive	0	0	4	10	0	0	10
CR14177C	1203 Grovehurst Drive	0	0	4	10	0	0	10
CR19639C	3455 Old Alabama Road	0	0	5	10	0	0	10
CR19640C	3455 Old Alabama Road	0	0	5	10	0	0	10
CR10793C.1	3045 Wellington Road	0	0	3	10	0	0	10
CR47814C	2009 Falcon Glen Court	0	0	5	10	0	0	10
CR47836C	2030 Eagle Glen Road	0	0	5	10	0	0	10
CR47808C	56 Nesbit Place	0	0	4	10	0	0	10
CR47022C	4100 Old Alabama Road	0	0	5	10	0	0	10
CR47031C	4100 Old Alabama Road	0	0	5	10	0	0	10
CR47032C	4100 Old Alabama Road	0	0	5	10	0	0	10
CR47794C	380 Colony Cove	0	0	1	10	0	0	10
CR47173C	912 Wentworth Court	0	0	5	10	0	0	10
CR47799C	9155 Nesbit Ferry Road #130	0	0	2	10	0	0	10
CR47172C	8465 Holcomb Bridge Road #240	0	0	5	10	0	0	10
CR47174C	8465 Holcomb Bridge Road #240	0	0	5	10	0	0	10
BB40453C	11925 Ashcroft Bnd	0	0	4	10	0	0	10
CR47910C	1100 Matheson Way	0	0	5	10	0	0	10
CR47849C	9054 Tuckerbrook Lane	7	0	5	0	0	0	35
CR47881C	10465 Jones Bridge Road	7	0	5	0	0	0	35
CR12016C	8560 Colony Club Drive	7	0	5	10	0	1	46

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR11740C	3040 Sawtooth Circle	0	0	5	10	5	2	17
CR11742C	3040 Sawtooth Circle	0	0	5	10	5	2	17
CR10072C	120 Rose Petal Lane	0	0	5	10	5	2	17
CR12667C	3410 Marquess Moor	0	0	2	10	5	2	17
CR12704C	9695 Foxworth Drive	0	0	2	10	5	2	17
CR22757C	260 Preston Oaks Drive	0	0	5	10	5	2	17
CR14354C	635 Falls Bay Court	0	0	5	10	5	2	17
CR14373C	240 Azalea Cove Lane	0	0	5	10	5	2	17
CR14432C	9832 Autry Falls Drive	0	0	4	10	5	2	17
BL15807C	10480 Willow Meadow Circle	0	0	5	10	15	2	27
BL15815C	10590 Willow Meadow Circle	0	0	5	10	15	2	27
BL15734C	325 Olde Bridge Way	0	0	5	10	15	2	27
BL15859C	10519 Brookdale Road	0	0	4	10	15	2	27
BL15766C	4060 Brooksbridge Crossing	0	0	5	10	15	2	27
BL15810C	10545 Willow View Circle	0	0	5	10	15	2	27
BL16999C	185 Braided Blanket Bluff	0	0	5	10	15	2	27
BL16983C	10710 Indian Village Drive	0	0	4	10	15	2	27
BL18460C	11120 Rotherick Drive	0	0	5	10	15	2	27
BL18711C	670 Kimball Parc Way	0	0	5	10	15	2	27
CR11911C	9320 Delft Way	0	0	5	10	5	0	15
BL22459C	11155 Amy Frances Lane	0	0	4	10	0	1	11
BL22292C	545 Willowbrook Run	0	0	4	10	0	1	11
CR12529C	760 Leeds Garden Terrace	0	0	4	10	0	2	12
CR12530C	760 Leeds Garden Terrace	0	0	2	10	0	1	11
BL12966C	3042 Haynes Trail	0	0	5	10	0	0	10
BL12967C	3034 Haynes Trail	0	0	5	10	0	0	10
BL12964C	3057 Haynes Trail	0	0	5	10	0	0	10
BL12943C	2940 Woodvale Court	0	0	5	10	0	0	10
BL12914C	507 Haynesbrooke Walk	0	0	2	10	0	0	10
BL12913C	3136 Haynesbrooke Lane	0	0	5	10	0	0	10
BL12915C	3136 Haynesbrooke Lane	0	0	2	10	0	0	10
BL12911C	3118 Haynesbrooke Lane	0	0	5	10	0	0	10
BL10189C	3710 Jones Ferry Lane	0	0	5	10	0	0	10
BL15793C	10500 Willow View Circle	0	0	5	10	15	1	26
BL15795C	10540 Willow View Circle	0	0	5	10	15	1	26
BL15796C	10540 Willow View Circle	0	0	4	10	15	1	26
BL15814C	385 E. Willow Run	0	0	5	10	15	1	26
BL15808C	10495 Willow Meadow Circle	0	0	5	10	15	1	26
BL15827C	10735 Willow Meadow Circle	0	0	5	10	15	1	26
BL15828C	10735 Willow Meadow Circle	0	0	5	10	15	1	26
BL15727C	10315 Plantation Bridge Drive	0	0	5	10	15	1	26
BL15732C	10445 Plantation Bridge Drive	0	0	5	10	15	1	26
BL15772C	10340 Colony Glen Drive	0	0	5	10	15	1	26
BL15762C	10595 Colony Glen Drive	0	0	5	10	15	1	26
BL15860C	10526 Brookdale Road	0	0	4	10	15	1	26
BL15744C	3905 Brooksbridge Crossing	0	0	5	10	15	1	26
BL16832C	2102 Harvest Ridge Lane #2	0	0	5	10	0	0	10
BL16838C	4102 Harvest Ridge Lane #4	0	0	5	10	0	0	10
BL16833C	30101 Harvest Ridge Lane #30	0	0	5	10	0	0	10
BL16834C	30101 Harvest Ridge Lane #30	0	0	5	10	0	0	10
BL12869C	24 Hampreston Court	0	0	5	10	0	0	10
BL12900C	8 Hemingbrough Way	0	0	4	10	0	0	10
BL12901C	7 Hemingbrough Way	0	0	3	10	0	0	10
BL12902C	7 Hemingbrough Way	0	0	3	10	0	0	10
BL16831C	2104 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16830C	2106 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16837C	4108 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16836C	5106 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16835C	5108 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16839C	30103 Harvest Ridge Lane	0	0	4	10	0	0	10
BL17019C	300 Broken Lance Place	0	0	4	10	15	1	26
BL17033C	270 Broken Lance Place	0	0	5	10	15	1	26
BL17024C	380 Broken Lance Place	0	0	4	10	15	1	26
BL16987C	10805 Indian Village Drive	0	0	5	10	15	1	26
BL16984C	10710 Indian Village Drive	0	0	4	10	15	1	26
BL17007C	11005 Indian Village Drive	0	0	5	10	15	1	26
BL17005C	11075 Indian Village Drive	0	0	5	10	15	1	26
BL16989C	10860 Indian Village Drive	0	0	5	10	15	1	26
BL18633C	4735 Hanstedt Trace	0	0	5	10	15	1	26

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL18630C	4790 Roswell Mill Drive	0	0	5	10	15	1	26
BL18609C	4665 Sengen Trace	0	0	5	10	15	1	26
BL18479C	4745 Carversham Way	0	0	5	10	15	1	26
BL18480C	4745 Carversham Way	0	0	5	10	15	1	26
BL18475C	11285 Bramshill Drive	0	0	5	10	15	1	26
BL18458C	11115 Rotherick Drive	0	0	5	10	15	1	26
BL18461C	11130 Rotherick Drive	0	0	5	10	15	1	26
BL18462C	11145 Rotherick Drive	0	0	5	10	15	1	26
BL16840C	5102 Harvest Ridge Lane #5	0	0	4	10	0	0	10
BL16841C	5102 Harvest Ridge Lane #5	0	0	4	10	0	0	10
BL16846C	7102 Harvest Ridge Lane #7	0	0	5	10	0	0	10
BL16888C	36102 Harvest Ridge Lane #36	0	0	5	10	0	0	10
BL16845C	27101 Harvest Ridge Lane #27	0	0	5	10	0	0	10
BL16859C	9102 Harvest Ridge Lane #9	0	0	5	10	0	0	10
BL16851C	26101 Harvest Ridge Lane #26	0	0	5	10	0	0	10
BL16875C	24101 Harvest Ridge Lane #24	0	0	5	10	0	0	10
BL16876C	24101 Harvest Ridge Lane #24	0	0	4	10	0	0	10
BL16877C	16102 Harvest Ridge Lane #16	0	0	4	10	0	0	10
BL16878C	16102 Harvest Ridge Lane #16	0	0	4	10	0	0	10
BL16874C	18102 Harvest Ridge Lane #18	0	0	5	10	0	0	10
BL16842C	29105 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16843C	28103 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16889C	36104 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16844C	21107 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16847C	27103 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16850C	27103 Harvest Ridge Lane	0	0	4	10	0	0	10
BL16857C	10104 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16853C	11104 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16858C	11106 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16860C	11108 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16886C	14108 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16854C	26103 Harvest Ridge Lane	0	0	4	10	0	0	10
BL16864C	26105 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16861C	24105 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16873C	24107 Harvest Ridge Lane	0	0	4	10	0	0	10
BL16879C	34104 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16885C	34104 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16884C	35104 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16880C	17104 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16870C	17106 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16890C	19106 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16891C	19106 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16868C	20104 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16865C	20108 Harvest Ridge Lane	0	0	5	10	0	0	10
BL18678C	11405 Ridge Hill Drive	0	0	5	10	15	1	26
BL18644C	4745 Roswell Mill Drive	0	0	5	10	15	1	26
BL19783C	4900 Jones Bridge Place Drive	0	0	5	10	15	1	26
BL18684C	305 Kempton Court	0	0	5	10	15	1	26
BL18665C	4770 Hampton Square Drive	0	0	5	10	15	1	26
BL18660C	4890 Hampton Square Drive	0	0	5	10	15	1	26
BL19758C	115 Yately Court	0	0	5	10	15	1	26
BL19942C	9850 Nesbit Ferry Road #5	0	0	5	10	15	1	26
BL22664C	7 Hemingbrough Way	0	0	3	10	0	0	10
BL22532C	16108 Harvest Ridge Lane	0	0	5	10	0	0	10
BL22563C	10279 Jones Bridge Road	0	0	5	10	15	1	26
BL22561C	10545 Willow View Circle	0	0	5	10	15	1	26
BL22729C	2750 Old Alabama Road #100	0	0	5	10	15	1	26
CR10225C	370 High Bridge Chase	0	0	5	10	0	0	10
CR10293C	9305 Chandler Bluff	0	0	5	10	0	0	10
CR10283C	165 Travertine Trail	0	0	5	10	0	0	10
CR11931C	260 Hepplewhite Drive	0	0	5	10	15	1	26
CR11919C	350 Hepplewhite Drive	0	0	5	10	15	1	26
CR11897C	3565 Aubusson Trace	0	0	4	10	15	1	26
CR11899C	3575 Aubusson Trace	0	0	5	10	15	1	26
CR11925C	3690 Aubusson Trace	0	0	5	10	15	1	26
CR11928C	3690 Aubusson Trace	0	0	5	10	15	1	26
CR11901C	3655 Aubusson Trace	0	0	5	10	15	1	26
CR11903C	3645 Aubusson Trace	0	0	5	10	15	1	26
CR11853C	590 Kings Peak	0	0	5	10	15	1	26

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR11886C	340 Mount Mitchell Way	0	0	5	10	15	1	26
CR11887C	335 Mount Mitchell Way	0	0	5	10	15	1	26
CR11871C	535 Mount Washington Lane	0	0	5	10	15	1	26
CR11869C	510 Mount Washington Lane	0	0	5	10	15	1	26
CR11862C	280 N. Peak Drive	0	0	5	10	15	1	26
CR11859C	325 N. Peak Drive	0	0	5	10	15	1	26
CR11856C	370 N. Peak Drive	0	0	5	10	15	1	26
CR11879C	640 Mount Victoria Place	0	0	5	10	15	1	26
CR11878C	625 Mount Victoria Place	0	0	5	10	15	1	26
CR11875C	615 Mount Victoria Place	0	0	5	10	15	1	26
CR11876C	615 Mount Victoria Place	0	0	5	10	15	1	26
CR11882C	720 Wheeler Peak Way	0	0	5	10	15	1	26
CR11883C	740 Wheeler Peak Way	0	0	4	10	15	1	26
CR11884C	740 Wheeler Peak Way	0	0	4	10	15	1	26
CR11881C	695 Wheeler Peak Way	0	0	5	10	15	1	26
CR11890C	3730 Borning Court	0	0	5	10	15	1	26
CR11854C	525 Kings Peak	0	0	5	10	15	1	26
CR12214C	2025 Eagle Glen Road	0	0	5	10	0	0	10
CR12060C	3450 Rivermont Parkway	0	0	5	10	15	1	26
CR12069C	3375 Rivermont Parkway	0	0	4	10	15	1	26
CR12077C	8720 Mount Rushmore Drive	0	0	5	10	15	1	26
CR12054C	8705 S. Mount Drive	0	0	5	10	15	1	26
CR12049C	35 Mount Whitney Place	0	0	5	10	15	1	26
CR12430C	9420 Dominion Way	0	0	3	10	0	0	10
CR12428C	9415 Dominion Way	0	0	4	10	0	0	10
CR11967C	9305 Stoney Ridge Lane	0	0	5	10	15	1	26
CR11968C	9295 Stoney Ridge Lane	0	0	5	10	15	1	26
CR12721C	220 Foxworth Chase	0	0	2	10	0	0	10
CR12700C	115 Foxbrush Circle	0	0	5	10	0	0	10
CR12701C	3845 Hedgecliff Court	0	0	5	10	0	0	10
CR12702C	3845 Hedgecliff Court	0	0	5	10	0	0	10
CR12692C	9770 Foxworth Drive	0	0	5	10	0	0	10
CR12693C	9770 Foxworth Drive	0	0	5	10	0	0	10
CR12041C	8800 N. Mount Drive	0	0	5	10	15	1	26
CR12708C	9680 Foxworth Drive	0	0	2	10	0	0	10
CR12212C	27 Nesbit Place	0	0	5	10	0	0	10
CR12213C	27 Nesbit Place	0	0	5	10	0	0	10
CR12203C	9155 Nesbit Ferry Road #130	0	0	5	10	0	0	10
CR12193C	9155 Nesbit Ferry Road #109	0	0	4	10	0	0	10
CR12204C	9155 Nesbit Ferry Road #129	0	0	5	10	0	0	10
CR11969C	9285 Stoney Ridge Lane	0	0	5	10	15	1	26
CR19641C	9700 Breckenridge Close	0	0	5	10	0	0	10
CR14045C	9949 Atry Vue Lane	0	0	5	10	0	0	10
CR14398C	10165 High Falls Pointe	0	0	5	10	0	0	10
CR14504C	315 Windlake Court	0	0	3	10	0	0	10
CR14527C	510 Brook Manor Drive	0	0	5	10	15	1	26
CR14371C	10080 High Falls Pointe	0	0	3	10	0	0	10
CR18815C	8001 Fairview Bluff	0	0	4	10	0	0	10
CR14175C	102 Saxony Lane	0	0	5	10	0	0	10
CR14188C	903 Grovehurst Drive	0	0	5	10	0	0	10
CR19643C	3455 Old Alabama Road	0	0	5	10	0	0	10
CR19645C	3455 Old Alabama Road	0	0	5	10	0	0	10
CR47784C	2009 Falcon Glen Court	0	0	3	10	0	0	10
CR47838C	2034 Eagle Glen Road	0	0	5	10	0	0	10
CR47837C	2017 Eagle Glen Road	0	0	5	10	0	0	10
CR47017C	4100 Old Alabama Road	0	0	5	10	0	0	10
CR47034C	4100 Old Alabama Road	0	0	5	10	0	0	10
CR47155C	8829 Fairview Bluff	0	0	5	10	0	0	10
CR47156C	8829 Fairview Bluff	0	0	5	10	0	0	10
CR47154C	8820 Fairview Bluff	0	0	5	10	0	0	10
CR47869C	3375 Rivermont Parkway	0	0	5	10	15	1	26
BL13021C	115 Pine Club Lane	0	0	5	0	15	1	16
BL13008C	3245 Old Evergreen Way	0	0	5	10	5	1	16
BL13016C	10485 Virginia Pine Lane	0	0	5	10	5	1	16
BL13127C	10515 Timberstone Road	0	0	5	10	5	1	16
BL13124C	10475 Timberstone Road	0	0	4	10	5	1	16
BL13057C	3535 Legacy Trace	0	0	5	10	5	1	16
BL13067C	3520 New Heritage Drive	0	0	5	10	5	1	16
BL13200C	645 Rosedown Way	0	0	5	10	5	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL13194C	1070 Westwell Run	0	0	5	10	5	1	16
BL10104C	3545 Patterstone Drive	0	0	5	10	5	1	16
BL13217C	9920 Barston Court	0	0	4	10	5	1	16
BL10180C	1005 Braesridge Way	0	0	5	0	15	1	16
BL10181C	1005 Braesridge Way	0	0	5	10	5	1	16
BL10184C	866 Braesridge Way	0	0	5	10	5	1	16
BL10197C	585 Crossbridge Alley	0	0	5	10	5	1	16
BL10178C	675 Crossbridge Alley	0	0	4	10	5	1	16
BL12924C	10165 Piney Ridge Walk	0	0	5	0	15	1	16
BL13073C	9960 Anaheim Drive	0	0	5	10	5	1	16
BL13150C	470 Weatherend Court	0	0	5	10	5	1	16
CR11804C	245 Fairway Ridge Drive	0	0	5	10	5	1	16
CR11741C	3040 Sawtooth Circle	0	0	5	0	15	1	16
CR11694C	920 Tiber Circle	0	0	5	10	5	1	16
CR11692C	773 Nile Drive	0	0	5	10	5	1	16
CR11736C	8655 S. Mount Drive	0	0	5	10	5	1	16
CR10084C	300 Scarborough Way	0	0	5	0	15	1	16
CR10083C	310 Scarborough Way	0	0	5	0	15	1	16
CR10085C	305 Scarborough Way	0	0	5	10	5	1	16
CR10086C	305 Scarborough Way	0	0	4	0	15	1	16
CR10081C	9921 Carrington Lane	0	0	5	10	5	1	16
CR10088C	9981 Carrington Lane	0	0	4	10	5	1	16
CR12170C	395 Sand Wedge Lane	0	0	5	10	5	1	16
CR12113C	8815 Glen Ferry Drive	0	0	5	10	5	1	16
CR12124C	8855 Glen Ferry Drive	0	0	5	10	5	1	16
CR12112C	8800 Glen Ferry Drive	0	0	5	10	5	1	16
CR12119C	3590 Glen Crossing Drive	0	0	5	10	5	1	16
CR12160C	3370 River Ferry Drive	0	0	5	10	5	1	16
CR12681C	3620 River Ferry Drive	0	0	5	10	5	1	16
CR12025C	3040 Sawtooth Circle	0	0	5	0	15	1	16
CR12363C	595 Burr ridge Trail	0	0	5	0	15	1	16
CR12364C	585 Burr ridge Trail	0	0	5	10	5	1	16
CR12437C	3280 Arbor Woods Drive	0	0	5	10	5	1	16
CR12478C	815 Harlequin Court	0	0	5	10	5	1	16
CR12477C	3382 Mallard Lake Place	0	0	5	10	5	1	16
CR12487C	3435 Merganser Lane	0	0	5	10	5	1	16
CR12181C	3115 Park Chase	0	0	5	0	15	1	16
CR12736C	3880 Redcoat Way	0	0	5	10	5	1	16
CR12722C	225 Foxworth Chase	0	0	5	10	5	1	16
CR12775C	9846 Talisman Drive	0	0	4	10	5	1	16
CR12272C	9285 Brumbelow Road	0	0	5	10	5	1	16
CR21757C	150 Stoney Ridge Drive	0	0	5	0	15	1	16
CR14307C	10015 High Falls Pointe	0	0	5	0	15	1	16
CR14323C	345 Waters Bend Way	0	0	5	10	5	1	16
CR14429C	120 Autry Landing Way	0	0	5	10	5	1	16
CR14438C	145 Autry Landing Way	0	0	5	0	15	1	16
CR14437C	135 Autry Landing Way	0	0	5	0	15	1	16
CR14301C	9905 Autry Falls Drive	0	0	4	10	5	1	16
CR14343C	625 Falls Lake Drive	0	0	4	10	5	1	16
CR14337C	4090 Falls Ridge Drive	0	0	5	0	15	1	16
CR14338C	4090 Falls Ridge Drive	0	0	5	10	5	1	16
CR18526C	715 Weybridge Place	0	0	4	10	5	1	16
CR14625C	105 Buttermere Court	0	0	5	10	5	1	16
CR14597C	605 Turbridge Court	0	0	4	10	5	1	16
CR14599C	605 Turbridge Court	0	0	3	10	5	1	16
CR14600C	605 Turbridge Court	0	0	3	0	15	1	16
CR14622C	630 Turbridge Court	0	0	2	10	5	1	16
CR14598C	10205 Brier Mill Court	0	0	5	0	15	1	16
CR14589C	10250 Oxford Mill Circle	0	0	5	10	5	1	16
CR14611C	10370 Oxford Mill Circle	0	0	5	0	15	1	16
CR18519C	10685 Oxford Mill Circle	0	0	5	10	5	1	16
CR14648C	10585 Oxford Mill Circle	0	0	5	10	5	1	16
CR14651C	10655 Oxford Mill Circle	0	0	5	10	5	1	16
CR22179C	9920 Jones Bridge Road	0	0	5	0	15	1	16
CR14624C	100 Buttermere Court	0	0	5	0	15	1	16
CR47845C	920 Tiber Circle	0	0	2	10	5	1	16
CR10168C	250 Preston Oaks Drive	0	0	5	10	0	4	14
BL15741C	10555 Plantation Bridge Drive	0	0	5	10	15	0	25
CR12044C	8800 N. Mount Drive	0	0	5	10	15	0	25

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR21184C	4100 Old Alabama Road	0	0	5	10	15	0	25
BB13254C	535 Grovner Terrace	0	0	5	10	15	0	25
BB13305C	5560 Vicarage Walk	0	0	5	10	15	0	25
BB19201C	11877 Jones Bridge Road	0	0	5	10	15	0	25
BL22329C	11255 State Bridge Road	0	0	4	10	0	1	11
BL22330C	11255 State Bridge Road	0	0	5	10	0	1	11
CR12562C	100 Old Sandhurst Landing	0	0	3	10	0	1	11
CR12582C	9610 Rod Road	0	0	3	10	0	1	11
CR12632C	3255 Kingshouse Commons	0	0	3	10	0	1	11
BL18619C	320 Milton Oaks Circle	0	0	5	10	0	2	12
BL18623C	710 Milton Oaks Drive	0	0	4	10	0	2	12
BL22528C	685 Spirit Falls Way	0	0	5	10	0	2	12
CR11778C	15 Fairway Ridge Drive	0	0	5	10	5	0	15
CR11783C	15 Fairway Ridge Drive	0	0	4	10	5	0	15
CR12156C	315 Glen River Way	0	0	5	10	5	0	15
CR12132C	8625 Lake Glen Court	0	0	5	10	5	0	15
CR12130C	8725 Lake Glen Court	0	0	5	10	5	0	15
CR12145C	8835 Laurel Way	0	0	5	10	5	0	15
CR12153C	8855 Laurel Way	0	0	5	10	5	0	15
CR12152C	8865 Laurel Way	0	0	5	10	5	0	15
CR12149C	8935 Laurel Way	0	0	5	10	5	0	15
CR12155C	3545 River Ferry Drive	0	0	5	10	5	0	15
CR21195C	4410 Old Wesleyan Woods	0	0	5	0	15	0	15
BL22716C	9850 Nesbit Ferry Road #8	0	0	5	10	5	2	17
CR14560C	935 Hunts Pointe Cove	0	0	4	10	5	2	17
CR14572C	905 Hunts Pointe Cove	0	0	4	10	5	2	17
CR14556C	9650 Hunts Pointe Drive	0	0	5	10	5	2	17
CR14533C	410 Brook Manor Court	0	0	4	10	5	2	17
CR20303C	9235 Brumbelow Road	0	7	1	10	0	0	17
CR19778C	9946 Jones Bridge Road	0	0	5	0	15	2	17
BL13132C	2575 Runic Way	0	0	5	10	15	4	29
BL19848C	10950 Indian Village Drive	0	0	5	10	15	4	29
CR11982C	9410 Stoney Ridge Lane	0	0	5	10	15	4	29
BL15876C	785 Hedgewick Trail	0	0	5	10	5	4	19
BL15735C	325 Olde Bridge Way	0	0	5	10	5	4	19
BL15759C	10680 Colony Glen Drive	0	0	5	10	5	4	19
BL17021C	255 Broken Lance Place	0	0	4	10	5	4	19
BL16995C	11220 Indian Village Drive	0	0	4	10	5	4	19
BL18573C	215 Brookhollow Court	0	0	5	10	5	4	19
BL18578C	205 Brookhollow Trace	0	0	4	10	5	4	19
BL18589C	510 Willowbrook Run	0	0	4	10	5	4	19
BL18591C	11220 Brookhollow Trail	0	0	4	10	5	4	19
BL18618C	750 Milton Oaks Drive	0	0	5	10	5	4	19
BL18664C	4770 Hampton Square Drive	0	0	3	10	5	4	19
CR12624C	3250 Kingshouse Commons	0	0	4	10	5	4	19
CR12652C	655 Saint Fillans Court	0	0	4	10	5	4	19
BL17044C	4640 Valais Court #100-205	0	0	5	10	5	1	16
BL19941C	9875 Nesbit Ferry Road #F	0	0	5	0	15	1	16
BL19836C	10900 Buice Road	0	0	5	10	5	1	16
BL19599C	11075 State Bridge Road	0	0	5	0	15	1	16
BL21123C	9850 Nesbit Ferry Road #7	0	0	5	10	5	1	16
BL21230C	9905 Timberstone Road	0	0	5	0	15	1	16
BL22696C	9875 Nesbit Ferry Road #E	0	0	5	10	5	1	16
BL22536C	10885 Jones Bridge Road	0	0	5	10	5	1	16
BL22088C	4640 Valais Court #100-205	0	0	5	10	5	1	16
BL22097C	2000 Ray Moss Connector	0	0	5	10	5	1	16
BL21125C	2750 Old Alabama Road #100	0	0	5	0	15	1	16
BL22721C	2750 Old Alabama Road #100	0	0	5	0	15	1	16
CR11819C	265 Brassy Court	0	0	5	10	5	1	16
CR11813C	145 Brassy Court	0	0	5	0	15	1	16
CR11814C	150 Brassy Court	0	0	5	10	5	1	16
CR11817C	190 Brassy Court	0	0	5	10	5	1	16
CR11835C	3305 Niblick Court	0	0	5	10	5	1	16
CR11821C	8535 Driver Circle	0	0	5	10	5	1	16
CR11830C	8640 Niblick Drive	0	0	5	0	15	1	16
CR11831C	8630 Niblick Drive	0	0	5	10	5	1	16
CR11849C	8630 Niblick Drive	0	0	4	10	5	1	16
CR11676C	3060 Rivermont Parkway	0	0	5	10	15	3	28
CR12166C	100 Brassy Court	0	0	5	0	15	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR12496C	550 Saint Regis Lane	0	0	5	10	15	3	28
CR12688C	120 Gentry Gate	0	0	3	10	15	3	28
CR14563C	920 Hunts Pointe Cove	0	0	5	10	5	1	16
CR14565C	930 Hunts Pointe Cove	0	0	4	10	5	1	16
CR14570C	9715 Hunts Pointe Drive	0	0	4	10	5	1	16
CR14524C	740 Woodscape Trail	0	0	5	10	5	1	16
CR14529C	530 Brook Manor Drive	0	0	5	10	5	1	16
CR14535C	435 Brook Manor Court	0	0	4	10	5	1	16
CR14538C	225 Woodscape Court	0	0	4	10	5	1	16
CR14544C	9595 Austry Falls Drive	0	0	5	10	5	1	16
CR14543C	9600 Austry Falls Drive	0	0	5	10	5	1	16
CR14526C	9665 Austry Falls Drive	0	0	5	10	5	1	16
CR14488C	230 Willow Glade Point	0	0	5	10	5	1	16
CR14483C	310 Willow Glade Point	0	0	5	10	5	1	16
CR14468C	380 Falls Point Trail	0	0	5	10	5	1	16
CR14480C	9810 Nature Mill Road	0	0	5	10	5	1	16
CR14037C	10090 Jones Bridge Road #5	0	0	5	10	5	1	16
BL10200C	730 Crossbridge Alley	0	0	5	10	0	0	10
BL15739C	445 Poplar Glen Court	0	0	5	10	0	1	11
BL15785C	155 Colony Run	0	0	5	10	0	1	11
BL10028C	320 Milton Oaks Circle	0	0	5	10	0	1	11
BL18452C	4715 Jones Bridge Woods Drive	0	0	5	10	0	1	11
BL18453C	4715 Jones Bridge Woods Drive	0	0	5	10	0	1	11
BL17059C	4645 Valais Court #41	0	0	5	10	0	0	10
BL18677C	250 Frellig Trace	0	0	5	10	0	1	11
BL21427C	11130 State Bridge Road #A101	0	0	5	10	0	0	10
BL21442C	11120 State Bridge Road	0	0	5	10	0	0	10
BL21446C	11120 State Bridge Road	0	0	5	10	0	0	10
BL22324C	11130 State Bridge Road #101-F106	0	0	5	10	0	0	10
BL22325C	11130 State Bridge Road #101-F106	0	0	5	10	0	0	10
BL22326C	11130 State Bridge Road #101-F106	0	0	4	10	0	0	10
BL22345C	11180 State Bridge Road #306	0	0	3	10	0	0	10
BL22365C	11164 State Bridge Road #1	0	0	5	10	0	0	10
BL22368C	11164 State Bridge Road #1	0	0	5	10	0	0	10
BL22322C	11195 State Bridge Road	0	0	4	10	0	0	10
BL22342C	11195 State Bridge Road	0	0	4	10	0	0	10
BL22343C	11195 State Bridge Road	0	0	3	10	0	0	10
BL22320C	11255 State Bridge Road	0	0	5	10	0	0	10
BL22327C	11255 State Bridge Road	0	0	4	10	0	0	10
BL22331C	11255 State Bridge Road	0	0	5	10	0	0	10
BL22333C	11255 State Bridge Road	0	0	5	10	0	0	10
BL22335C	11250 State Bridge Road	0	0	5	10	0	0	10
BL22336C	11250 State Bridge Road	0	0	5	10	0	0	10
BL22339C	11250 State Bridge Road	0	0	4	10	0	0	10
BL22367C	11250 State Bridge Road	0	0	3	10	0	0	10
BL22302C	11130 State Bridge Road #A101	0	0	5	10	0	0	10
BL22318C	4375 Kimball Bridge Road	0	0	5	10	0	0	10
BL22321C	4375 Kimball Bridge Road	0	0	4	10	0	0	10
BL22323C	4395 Kimball Bridge Road	0	0	5	10	0	0	10
BL22311C	4385 Kimball Bridge Road #100	0	0	5	10	0	0	10
BL22313C	4385 Kimball Bridge Road #100	0	0	5	10	0	0	10
BL22315C	4385 Kimball Bridge Road #201	0	0	5	10	0	0	10
BL22295C	11130 State Bridge Road #F101	0	0	4	10	0	0	10
BL22314C	4385 Kimball Bridge Road #202	0	0	5	10	0	0	10
BL22316C	4385 Kimball Bridge Road #203	0	0	5	10	0	0	10
BL22317C	4385 Kimball Bridge Road #203	0	0	4	10	0	0	10
BL22359C	11140 State Bridge Road	0	0	5	10	0	0	10
BL22360C	11140 State Bridge Road	0	0	5	10	0	0	10
BL22361C	11140 State Bridge Road	0	0	5	10	0	0	10
BL22362C	11140 State Bridge Road	0	0	5	10	0	0	10
BL22363C	11140 State Bridge Road	0	0	5	10	0	0	10
BL22353C	11138 State Bridge Road #100-217	0	0	5	10	0	0	10
BL22354C	11138 State Bridge Road #100-217	0	0	5	10	0	0	10
BL22356C	11138 State Bridge Road #100-217	0	0	5	10	0	0	10
BL22357C	11138 State Bridge Road #100-217	0	0	4	10	0	0	10
BL22358C	11138 State Bridge Road #100-217	0	0	5	10	0	0	10
BL22352C	11136 State Bridge Road	0	0	5	10	0	0	10
BL22355C	11136 State Bridge Road	0	0	5	10	0	0	10
BL22293C	11130 State Bridge Road #F106	0	0	4	10	0	0	10

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL22303C	11130 State Bridge Road #G1	0	0	5	10	0	0	10
BL22304C	11130 State Bridge Road #G1	0	0	3	10	0	0	10
BL22305C	11130 State Bridge Road #G1	0	0	3	10	0	0	10
BL22306C	11130 State Bridge Road #G1	0	0	3	10	0	0	10
CR12555C	415 Guildhall Grove	0	0	5	10	0	1	11
CR22771C	445 Cullen Copse	0	0	5	10	0	1	11
CR47894C	9925 Jones Bridge Road	0	0	5	10	0	0	10
CR47895C	9925 Jones Bridge Road	0	0	2	10	0	0	10
CR47900C	9925 Jones Bridge Road	0	0	2	10	0	0	10
BL13169C	9135 Brockham Way	0	0	5	10	15	2	27
BL12850C	10050 Haynes Bridge Road	0	0	4	10	15	2	27
BL20299C	10965 Indian Village Drive	0	3	3	0	0	0	9
BL19846C	10900 Buice Road	0	0	5	10	15	2	27
BL19847C	10900 Buice Road	0	0	5	10	15	2	27
BL22430C	10990 State Bridge Road #E	0	0	3	0	5	1	6
BL22438C	10990 State Bridge Road #E	0	0	5	0	5	1	6
CR11743C	8540 Colony Club Drive	0	0	5	10	15	2	27
CR11750C	120 S. Falcon Bluff	0	0	5	10	15	2	27
CR11673C	335 Elbe Drive	0	0	5	10	15	2	27
CR11695C	770 Nile Drive	0	0	5	10	15	2	27
CR12456C	9455 Dominion Way	0	0	5	10	15	2	27
CR12459C	9500 Dominion Way	0	0	5	10	15	2	27
CR12330C	2870 Abbottswell Drive	0	0	5	10	15	2	27
CR12645C	655 Saint Fillans Court	0	0	5	10	15	2	27
CR12534C	9820 Rod Road	0	0	5	10	15	2	27
CR11975C	9340 Stoney Ridge Lane	0	0	5	10	15	2	27
CR12731C	205 Foxworth Chase	0	0	4	10	15	2	27
CR12739C	3730 Hedgecliff Court	0	0	5	10	15	2	27
CR12637C	3255 Kingshouse Commons	0	0	3	0	5	1	6
CR14357C	520 Harbour Gate Circle	0	0	5	10	0	2	12
CR14355C	645 Falls Bay Court	0	0	5	10	0	2	12
CR14608C	10295 Brier Mill Ct	7	0	3	0	5	1	27
CR22770C	3255 Kingshouse Commons	0	0	5	0	5	1	6
CR22184C	9791 Coventry Lane	0	0	5	10	15	2	27
BL21172C	3415 Old Alabama Road	0	0	5	0	15	0	15
CR11816C	200 Brassy Court	0	0	5	0	15	0	15
CR20362C	2995 Leeds Garden Lane	0	0	1	0	5	2	7
CR20313C	300 Rainbow Row Court	0	0	4	10	0	5	15
CR19929C	9855 Nesbit Ferry Road	0	0	5	0	15	0	15
CR21174C	3415 Old Alabama Road	0	0	5	0	15	0	15
CR21233C	3005 Old Alabama Road #A-10-6001	0	0	5	0	15	0	15
CR47177C	8455 Holcomb Bridge Road Suite A	7	0	5	0	0	0	35
JC15858C	10507 Brookdale Road	0	0	4	10	5	0	15
BL12830C	2920 Ivey Ridge Lane	0	0	3	10	15	1	26
BL12827C	2940 Ivey Ridge Lane	0	0	5	10	15	1	26
BL14552C	10330 Virginia Pine Lane	0	0	5	10	15	1	26
BL13015C	10470 Virginia Pine Lane	0	0	5	10	15	1	26
BL13133C	2555 Runic Way	0	0	5	10	15	1	26
BL13101C	9935 Timberstone Road	0	0	4	10	15	1	26
BL13105C	10025 Timberstone Road	0	0	5	10	15	1	26
BL13103C	9975 Timberstone Road	0	0	5	10	15	1	26
BL13104C	9975 Timberstone Road	0	0	5	10	15	1	26
BL13115C	10245 Timberstone Road	0	0	5	10	15	1	26
BL13121C	10435 Timberstone Road	0	0	5	10	15	1	26
BL13123C	10475 Timberstone Road	0	0	4	10	15	1	26
BL13119C	10480 Timberstone Road	0	0	5	10	15	1	26
BL13060C	205 Heirloom Court	0	0	5	10	15	1	26
BL13059C	3535 Legacy Trace	0	0	5	10	15	1	26
BL13058C	3525 Legacy Trace	0	0	5	10	15	1	26
BL13045C	3405 New Heritage Drive	0	0	5	10	15	1	26
BL13081C	10035 Feather Sound Court	0	0	4	10	15	1	26
BL13082C	10035 Feather Sound Court	0	0	4	10	15	1	26
BL10195C	3785 Jones Ferry Lane	0	0	5	10	15	1	26
BL13145C	9705 Breckenridge Close	0	0	5	10	15	1	26
BL10196C	570 Crossbridge Alley	0	0	5	10	15	1	26
BL10177C	675 Crossbridge Alley	0	0	4	10	15	1	26
BL12931C	10170 Old Woodland Entry	0	0	5	10	15	1	26
BL12932C	10230 Old Woodland Entry	0	0	5	10	15	1	26
BL13075C	10055 Anaheim Drive	0	0	5	10	15	1	26

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL21171C	9900 Timberstone Road	0	0	5	10	15	1	26
BL21167C	3340 Old Alabama Road	0	0	5	10	15	1	26
BL22589C	315 Avebury Court	0	0	5	10	15	1	26
CR11749C	200 N. Falcon Bluff	0	0	5	10	15	1	26
CR11745C	405 N. Eagles Bluff	0	0	5	10	15	1	26
CR11747C	315 S. Eagles Bluff	0	0	5	10	15	1	26
CR11751C	130 S. Falcon Bluff	0	0	5	10	15	1	26
CR11755C	140 S. Falcon Bluff	0	0	5	10	15	1	26
CR11845C	8840 Niblick Drive	0	0	5	10	15	1	26
CR11836C	8950 Niblick Drive	0	0	5	10	15	1	26
CR11786C	65 Fairway Ridge Drive	0	0	5	10	0	3	13
CR11791C	110 Fairway Ridge Drive	0	0	5	10	15	1	26
CR11798C	190 Fairway Ridge Drive	0	0	5	10	15	1	26
CR11794C	315 Spyglass Bluff Drive	0	0	5	10	15	1	26
CR11796C	360 Spyglass Bluff Drive	0	0	5	10	15	1	26
CR11787C	490 Matterhorn Way	0	0	5	10	15	1	26
CR11665C	245 Rhine Drive	0	0	4	10	15	1	26
CR11667C	305 Elbe Drive	0	0	5	10	15	1	26
CR11690C	771 Nile Drive	0	0	5	10	15	1	26
CR11684C	720 Nile Drive	0	0	5	10	15	1	26
CR11683C	710 Nile Drive	0	0	4	10	15	1	26
CR11685C	715 Nile Drive	0	0	4	10	15	1	26
CR11696C	795 Nile Drive	0	0	5	10	15	1	26
CR11735C	600 Meuse Way	0	0	5	10	15	1	26
CR11700C	1230 Saint Lawrence Drive	0	0	5	10	15	1	26
CR11705C	1290 Saint Lawrence Drive	0	0	5	10	15	1	26
CR11706C	1305 Saint Lawrence Drive	0	0	5	10	15	1	26
CR11707C	1275 Saint Lawrence Drive	0	0	5	10	15	1	26
CR11709C	1275 Saint Lawrence Drive	0	0	5	10	15	1	26
CR11711C	720 Rio Grande Drive	0	0	5	10	15	1	26
CR11661C	2990 Rivermont Parkway	0	0	5	10	15	1	26
CR11662C	2990 Rivermont Parkway	0	0	4	10	15	1	26
CR11681C	3075 Rivermont Parkway	0	0	5	10	15	1	26
CR11675C	3055 Rivermont Parkway	0	0	5	10	15	1	26
CR11726C	3135 Rivermont Parkway	0	0	5	10	15	1	26
CR10100C	9890 Coventry Lane	0	0	5	10	15	1	26
CR10101C	9900 Coventry Lane	0	0	5	10	15	1	26
CR12752C	9805 Talisman Drive	0	0	5	10	15	1	26
CR12753C	9805 Talisman Drive	0	0	5	10	15	1	26
CR12017C	8645 Colony Club Drive	0	0	5	10	15	1	26
CR12235C	9180 Mackinac Drive	0	0	5	10	15	1	26
CR12412C	3430 Arbor Woods Drive	0	0	4	10	15	1	26
CR11945C	3320 Lord N Lady Lane	0	0	5	10	15	1	26
CR12426C	3280 Lord N Lady Lane	0	0	5	10	15	1	26
CR12447C	3120 Hartridge Drive	0	0	3	10	15	1	26
CR12317C	2720 Abbottswell Drive	0	0	4	10	15	1	26
CR12321C	2745 Abbottswell Drive	0	0	4	10	15	1	26
CR12318C	2725 Abbottswell Drive	0	0	4	10	15	1	26
CR12329C	2870 Abbottswell Drive	0	0	5	10	15	1	26
CR12172C	3002 Park Chase	0	0	5	10	15	1	26
CR11946C	400 Rainbow Row Court	0	0	5	10	15	1	26
CR11957C	220 Stoney Ridge Drive	0	0	5	10	15	1	26
CR11958C	220 Stoney Ridge Drive	0	0	5	10	15	1	26
CR11959C	9200 Stoney Ridge Lane	0	0	5	10	15	1	26
CR11961C	9200 Stoney Ridge Lane	0	0	5	10	15	1	26
CR11983C	9410 Stoney Ridge Lane	0	0	5	10	15	1	26
CR11986C	9470 Stoney Ridge Lane	0	0	5	10	15	1	26
CR11985C	9460 Stoney Ridge Lane	0	0	5	10	15	1	26
CR12103C	9580 Stoney Ridge Lane	0	0	5	10	15	1	26
CR11991C	460 Stoney Ridge Court	0	0	5	10	15	1	26
CR11988C	430 Stoney Ridge Court	0	0	5	10	15	1	26
CR12724C	3795 Redcoat Way	0	0	5	10	15	1	26
CR12691C	9775 Foxworth Drive	0	0	5	0	5	3	8
CR12789C	9754 Talisman Drive	0	0	5	10	15	1	26
CR12769C	9822 Talisman Drive	0	0	5	10	15	1	26
CR12790C	9826 Talisman Drive	0	0	5	10	15	1	26
CR12774C	9854 Talisman Drive	0	0	4	10	15	1	26
CR12786C	9862 Talisman Drive	0	0	5	10	15	1	26
CR12785C	9866 Talisman Drive	0	0	5	10	15	1	26

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR12794C	9882 Talisman Drive	0	0	5	10	15	1	26
CR12409C	9548 Brumbelow Road	0	0	5	10	15	1	26
CR12410C	110 Knighthood Court	0	0	5	10	15	1	26
CR12713C	9680 Foxworth Drive	0	0	5	10	15	1	26
CR12035C	8806 Fairview Bluff	0	0	5	10	15	1	26
CR11970C	9285 Stoney Ridge Lane	0	0	5	10	15	1	26
CR22773C	3345 Arbor Woods Drive	0	0	5	10	15	1	26
CR18563C	920 Bishopswood Place	0	0	5	10	15	1	26
CR22795C	9300 Brumbelow Road	0	0	4	10	15	1	26
CR22788C	9320 Brumbelow Road	0	0	5	10	15	1	26
CR22790C	9310 Brumbelow Road	0	0	4	10	15	1	26
CR22791C	9310 Brumbelow Road	0	0	4	10	15	1	26
CR22796C	9285 Brumbelow Road	0	0	4	10	15	1	26
CR22772C	9548 Brumbelow Road	0	0	5	10	15	1	26
CR21346C	9820 Nesbit Ferry Road	0	0	5	10	15	1	26
CR22195C	9850 Nesbit Ferry Road #24	0	0	5	10	15	1	26
CR13143C	3580 Old Alabama Road	0	0	5	10	15	1	26
CR19394C	10365 Astry Place	0	0	5	10	15	1	26
CR12790C.1	9842 Talisman Drive	0	0	5	10	15	1	26
BL15820C	10665 Willow Meadow Circle	0	0	5	10	5	2	17
BL15742C	10550 Plantation Bridge Drive	0	0	5	10	5	2	17
BL15771C	10340 Colony Glen Drive	0	0	5	10	5	2	17
BL15761C	10590 Colony Glen Drive	0	0	5	10	5	2	17
BL10026C	730 Milton Oaks Drive	0	0	5	10	5	2	17
BL17025C	305 Broken Lance Place	0	0	4	10	5	2	17
BL17006C	11075 Indian Village Drive	0	0	5	10	5	2	17
BL18575C	210 Brookhollow Court	0	0	4	10	5	2	17
BL18631C	4775 Roswell Mill Drive	0	0	5	10	5	2	17
BL18570C	11330 Brookhollow Trail	0	0	3	0	5	1	6
BL18642C	11355 Ridge Hill Drive	0	0	5	10	5	2	17
BL18683C	305 Kempton Court	0	0	5	10	5	2	17
BL18675C	105 Ocee View Court	0	0	3	10	5	2	17
BL18685C	4705 Hampton Square Drive	0	0	5	10	5	2	17
BL18669C	4720 Hampton Square Drive	0	0	4	10	5	2	17
BL19832C	10900 Buice Road	0	0	5	0	15	2	17
CR11784C	65 Fairway Ridge Drive	0	0	5	0	15	2	17
CR11889C	9375 Barnwell Road	0	0	5	0	15	2	17
CR12451C	525 Argylls Crest	0	0	5	10	5	2	17
CR12560C	115 Old Sandhurst Landing	0	0	4	10	5	2	17
CR12554C	415 Guildhall Grove	0	0	5	10	5	2	17
CR12647C	640 Saint Fillans Court	0	0	4	10	5	2	17
CR12654C	665 Saint Fillans Court	0	0	5	10	5	2	17
CR12613C	3125 Kingshouse Commons	0	0	5	10	5	2	17
CR12625C	3260 Kingshouse Commons	0	0	4	10	5	2	17
CR12573C	9680 Rod Road	0	0	4	10	5	2	17
CR12535C	9820 Rod Road	0	0	4	10	5	2	17
CR21983C	9878 Brumbelow Road	0	0	5	0	15	2	17
BL12954C	3050 Woodvale Court	0	0	5	10	0	0	10
BL15804C	110 Willow View Point	0	0	4	10	0	0	10
BL15803C	10450 Willow View Circle	0	0	4	10	0	0	10
BL15740C	445 Poplar Glen Court	0	0	4	10	0	0	10
BL15783C	155 Colony Run	0	0	3	10	0	0	10
BL12866C	32 Hemingbrough Way	7	0	0	10	15	0	25
BL12881C	29 Hemingbrough Way	0	0	5	10	15	0	25
BL17035C	200 Broken Lance Place	0	0	5	10	0	0	10
BL17036C	200 Broken Lance Place	0	0	4	10	0	0	10
BL18455C	4710 Jones Bridge Woods Drive	0	0	5	10	0	0	10
BL18457C	4720 Jones Bridge Woods Drive	0	0	5	10	0	0	10
BL18456C	11300 Bramshill Drive	0	0	4	10	0	0	10
BL17057C	4645 Valais Court #41	0	0	4	10	0	0	10
BL17058C	4645 Valais Court #41	0	0	4	10	0	0	10
BL22383C	4715 Hanstedt Trace	0	0	5	10	0	0	10
BL22660C	10015 Haynes Bridge Road	0	0	0	10	15	0	25
CR10761C	1275 Stuart Ridge	0	0	5	10	0	0	10
CR11998C	8630 Colony Club Drive	0	0	5	10	0	0	10
CR11984C	9440 Stoney Ridge Lane	0	0	5	10	15	0	25
CR12007C	8465 Holcomb Bridge Road #660	0	0	5	10	0	0	10
CR12002C	8465 Holcomb Bridge Road #670	0	0	5	10	0	0	10
CR12003C	8465 Holcomb Bridge Road #100-400	0	0	5	10	0	0	10

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR12006C	8465 Holcomb Bridge Road #680	0	0	5	10	0	0	10
CR12000C	8485 Holcomb Bridge Road	0	0	5	10	0	0	10
CR12009C	8479 Holcomb Bridge Road	0	0	5	10	0	0	10
CR12008C	8477 Holcomb Bridge Road	0	0	5	10	0	0	10
CR12010C	8477 Holcomb Bridge Road	0	0	5	10	0	0	10
CR10025C	10304 Papillon Trace	0	0	5	10	0	0	10
CR12001C	8485 Holcomb Bridge Road	0	0	5	10	0	0	10
CR47076C	9680 Aтры Falls Drive	0	0	5	10	0	0	10
CR47082C	9690 Aтры Falls Drive	0	0	5	10	0	0	10
CR47178C	8465 Holcomb Bridge Rd	0	0	5	10	0	0	10
CR47179C	8465 Holcomb Bridge Rd	0	0	5	10	0	0	10
CR47180C	8465 Holcomb Bridge Rd	0	0	1	10	0	0	10
CR47171C	8465 Holcomb Bridge Road #240	0	0	5	10	0	0	10
CR47182C	8465 Holcomb Bridge Road #2000	0	0	3	10	0	0	10
CR47176C	8475 Holcomb Bridge Road	0	0	5	10	0	0	10
CR47183C	8465 Holcomb Bridge Road #110	0	0	4	10	0	0	10
CR47186C	8477 Holcomb Bridge Road	0	0	5	10	0	0	10
JC47879C	10307 Oxford Mill Circle	0	0	5	10	15	0	25
BL13048C	3420 New Heritage Drive	0	0	5	10	0	1	11
BL13195C	1060 Westwell Run	0	0	4	10	0	1	11
CR11918C	415 Hepplewhite Drive	0	0	4	10	0	1	11
CR11921C	520 Farthingale Court	0	0	4	10	0	1	11
CR11922C	520 Farthingale Court	0	0	3	10	0	1	11
CR11923C	515 Farthingale Court	0	0	4	10	0	1	11
CR11892C	3730 Borning Court	0	0	3	10	0	1	11
CR10082C	9921 Carrington Lane	0	0	5	10	0	1	11
CR12080C	8680 Mount Rushmore Drive	0	0	5	10	0	1	11
CR21925C	8780 Mount Rushmore Drive	0	0	4	10	0	1	11
CR12626C	3260 Kingshouse Commons	0	0	4	10	0	4	14
BL15797C	115 Willow View Point	0	0	4	10	5	1	16
BL15811C	10540 Willow View Circle	0	0	5	10	5	1	16
BL15822C	10650 Willow Meadow Circle	0	0	5	10	5	1	16
BL15836C	10750 Willow Meadow Circle	0	0	5	10	5	1	16
BL15824C	10815 Willow Meadow Circle	0	0	5	10	5	1	16
BL15826C	425 Willow View Knoll	0	0	5	10	5	1	16
BL15837C	536 Willow Lookout	0	0	5	10	5	1	16
BL15868C	530 Edgehill Place	0	0	5	10	5	1	16
BL15881C	625 Edgehill Place	0	0	5	10	5	1	16
BL15867C	705 Hedgewick Trail	0	0	5	10	5	1	16
BL15870C	100 Hillman Court	0	0	5	10	5	1	16
BL15733C	320 Olde Bridge Way	0	0	5	10	5	1	16
BL15729C	235 Plantation Glen Court	0	0	5	10	5	1	16
BL15728C	10315 Plantation Bridge Drive	0	0	5	10	5	1	16
BL15731C	10445 Plantation Bridge Drive	0	0	5	10	5	1	16
BL15774C	10345 Colony Glen Drive	0	0	5	10	5	1	16
BL15763C	10595 Colony Glen Drive	0	0	5	10	5	1	16
BL15861C	10528 Brookdale Road	0	0	4	10	5	1	16
BL15745C	3900 Brooksbridge Crossing	0	0	5	10	5	1	16
BL15765C	4060 Brooksbridge Crossing	0	0	5	10	5	1	16
BL15767C	4105 Brooksbridge Crossing	0	0	5	10	5	1	16
BL15884C	10655 Buice Road	0	0	5	10	5	1	16
BL17027C	535 Council Fires Court	0	0	5	10	5	1	16
BL17020C	300 Broken Lance Place	0	0	4	10	5	1	16
BL17034C	270 Broken Lance Place	0	0	5	10	5	1	16
BL17023C	380 Broken Lance Place	0	0	4	10	5	1	16
BL17016C	715 Babbling Creek Place	0	0	5	10	5	1	16
BL17011C	10850 Spotted Pony Trail	0	0	5	10	5	1	16
BL17009C	10855 Spotted Pony Trail	0	0	5	10	5	1	16
BL17014C	11025 Spotted Pony Trail	0	0	4	10	5	1	16
BL17012C	10970 Spotted Pony Trail	0	0	5	10	5	1	16
BL17000C	185 Braided Blanket Bluff	0	0	5	10	5	1	16
BL16986C	10805 Indian Village Drive	0	0	5	10	5	1	16
BL16988C	10790 Indian Village Drive	0	0	4	10	5	1	16
BL16985C	10720 Indian Village Drive	0	0	4	10	5	1	16
BL16982C	10705 Indian Village Drive	0	0	5	10	5	1	16
BL17008C	11015 Indian Village Drive	0	0	5	10	5	1	16
BL17001C	11130 Indian Village Drive	0	0	5	10	5	1	16
BL16997C	11235 Indian Village Drive	0	0	4	10	5	1	16
BL18497C	11140 Amy Frances Lane	0	0	4	10	5	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL18449C	110 Jones Bridge Woods Place	0	0	5	10	5	1	16
BL18448C	4810 Jones Bridge Woods Drive	0	0	5	10	5	1	16
BL18639C	11315 Ridge Hill Drive	0	0	4	10	5	1	16
BL18634C	4730 Hanstedt Trace	0	0	5	10	5	1	16
BL18587C	545 Willowbrook Run	0	0	4	10	5	1	16
BL18620C	705 Milton Oaks Drive	0	0	5	10	5	1	16
BL18615C	735 Milton Oaks Drive	0	0	5	10	5	1	16
BL18605C	845 Milton Oaks Drive	0	0	5	10	5	1	16
BL18603C	810 Milton Oaks Drive	0	0	5	10	5	1	16
BL18608C	4660 Sengen Trace	0	0	5	10	5	1	16
BL18466C	155 Arborfield Way	0	0	5	10	5	1	16
BL18465C	220 Littlewick Way	0	0	5	10	5	1	16
BL18482C	11210 Crowthore Court	0	0	5	10	5	1	16
BL18481C	4750 Carversham Way	0	0	5	10	5	1	16
BL18468C	11195 Bramshill Drive	0	0	5	10	5	1	16
BL18473C	11255 Bramshill Drive	0	0	5	10	5	1	16
BL18478C	11255 Bramshill Drive	0	0	5	10	5	1	16
BL18459C	11115 Rotherick Drive	0	0	5	10	5	1	16
BL18463C	11160 Rotherick Drive	0	0	4	10	5	1	16
BL17040C	4640 Valais Court #200	0	0	5	10	5	1	16
BL18813C	10450 Plantation Bridge Drive	0	0	5	10	5	1	16
BL18659C	265 Jones Bridge Place Circle	0	0	4	10	5	1	16
BL18651C	4900 Jones Bridge Place Drive	0	0	5	10	5	1	16
BL18648C	4905 Jones Bridge Place Drive	0	0	5	10	5	1	16
BL21754C	10155 Haynes Bridge Road	0	0	5	10	5	1	16
BL19787C	10240 Jones Bridge Road	0	0	5	0	15	1	16
BL18687C	385 Kempton Court	0	0	5	10	5	1	16
BL18679C	4665 Hampton Square Drive	0	0	5	10	5	1	16
BL18688C	4905 Hampton Square Drive	0	0	5	10	5	1	16
BL18705C	4740 Weathervane Drive	0	0	5	10	5	1	16
BL19761C	4900 Weathervane Drive	0	0	5	0	15	1	16
BL18716C	780 Kimball Parc Court	0	0	5	10	5	1	16
BL18713C	705 Kimball Parc Way	0	0	5	10	5	1	16
BL18650C	11388 Jones Bridge Road	0	0	5	10	5	1	16
BL19834C	10900 Buice Road	0	0	5	0	15	1	16
BL19835C	10900 Buice Road	0	0	5	0	15	1	16
BL19605C	11180 State Bridge Road #101-503	0	0	5	0	15	1	16
BL19609C	11180 State Bridge Road #101	0	0	5	0	15	1	16
BL19612C	11180 State Bridge Road #101	0	0	5	0	15	1	16
BL20041C	11180 State Bridge Road #101	0	0	5	0	15	1	16
BL19577C	10950 State Bridge Road #S	0	0	5	0	15	1	16
BL22291C	11275 Brookhollow Trail	0	0	5	10	5	1	16
BL22382C	11145 Rotherick Drive	0	0	5	10	5	1	16
BL22089C	4640 Valais Court #100-205	0	0	5	0	15	1	16
BL22150C	11180 State Bridge Road #101	0	0	5	0	15	1	16
BL22158C	2100 Ray Moss Connector #A-B	0	0	5	10	5	1	16
BL22163C	10950 State Bridge Road	0	0	5	0	15	1	16
BL22533C	10879 Jones Bridge Road	0	0	5	0	15	1	16
BL22534C	10879 Jones Bridge Road	0	0	5	0	15	1	16
BL22535C	10879 Jones Bridge Road	0	0	5	0	15	1	16
BL22541C	10800 Jones Bridge Road #E	0	0	5	10	5	1	16
CR12111C	8785 Glen Ferry Drive	0	0	5	0	15	1	16
CR12114C	8810 Glen Ferry Drive	0	0	5	0	15	1	16
CR12126C	8895 Glen Ferry Drive	0	0	5	0	15	1	16
CR12123C	8855 Glen Ferry Drive	0	0	5	0	15	1	16
CR12137C	200 Berry Glen Court	0	0	5	0	15	1	16
CR12138C	200 Berry Glen Court	0	0	5	0	15	1	16
CR12140C	3605 River Ferry Drive	0	0	5	0	15	1	16
CR12141C	3605 River Ferry Drive	0	0	5	0	15	1	16
CR12411C	3455 Arbor Woods Drive	0	0	4	10	5	1	16
CR12404C	305 Old Pewter Way	0	0	5	10	5	1	16
CR12406C	3190 Hartridge Drive	0	0	4	10	5	1	16
CR12403C	3220 Hartridge Drive	0	0	5	10	5	1	16
CR12561C	115 Old Sandhurst Landing	0	0	3	10	5	1	16
CR12564C	100 Old Sandhurst Landing	0	0	3	10	5	1	16
CR12593C	395 Guildhall Grove	0	0	5	10	5	1	16
CR12641C	420 Cullen Copse	0	0	5	10	5	1	16
CR12642C	440 Cullen Copse	0	0	5	10	5	1	16
CR12621C	3230 Kingshouse Commons	0	0	4	10	5	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR12628C	3270 Kingshouse Commons	0	0	5	10	5	1	16
CR12470C	3380 Merganser Lane	0	0	4	10	0	2	12
CR12566C	9715 Rod Road	0	0	4	10	5	1	16
CR12577C	9720 Rod Road	0	0	5	10	5	1	16
CR12536C	9840 Rod Road	0	0	4	10	5	1	16
CR12705C	3790 Redcoat Way	0	0	2	10	0	2	12
CR12416C	110 Knighthood Court	0	0	5	10	5	1	16
CR12639C	3290 Kingshouse Commons	0	0	5	0	15	1	16
CR12557C	145 Old Sandhurst Landing	0	0	5	10	5	1	16
CR12558C	205 Rod Court	0	0	5	10	5	1	16
CR12559C	205 Rod Court	0	0	5	10	5	1	16
CR12638C	3284 Kingshouse Commons	0	0	3	0	5	1	6
CR12525C	3115 Old Alabama Road	0	0	5	10	5	1	16
CR19194C	3390 River Ferry Drive	0	0	5	0	15	1	16
CR14557C	700 Mill Circle	0	0	3	0	5	1	6
CR22778C	815 Harlequin Court	0	0	4	10	0	2	12
CR22779C	3372 Mallard Lake Place	0	0	5	10	0	2	12
CR22751C	9820 Rod Road	0	0	5	0	15	1	16
CR22200C	605 Mount Victoria Place	0	0	5	0	15	1	16
CR14464C	9955 Nature Mill Road	0	0	5	10	5	1	16
CR14445C	4280 Falls Ridge Drive	0	0	5	10	5	1	16
CR18540C	10095 Oxford Mill Drive	0	0	2	0	5	1	6
CR19909C	3150 Old Alabama Road	0	0	5	0	15	1	16
CR19907C	3280 Old Alabama Road #200	0	0	5	0	15	1	16
CR19915C	3280 Old Alabama Road #200	0	0	5	0	15	1	16
CR19916C	3280 Old Alabama Road #200	0	0	5	0	15	1	16
CR19917C	3280 Old Alabama Road #200	0	0	5	0	15	1	16
CR21978C	3280 Old Alabama Road #200	0	0	5	0	15	1	16
CR22748C	9880 Rod Road	0	0	5	0	15	1	16
CR19192C	9152 Barnwell Road	0	0	5	0	5	1	6
CR21966C	9800 Brumbelow Road	0	0	5	0	15	1	16
CR21971C	9800 Brumbelow Road	0	0	5	10	5	1	16
CR21989C	9800 Brumbelow Road	0	0	5	0	15	1	16
CR22753C	9800 Brumbelow Road	0	0	5	0	15	1	16
CR21992C	3190 Old Alabama Road	0	0	5	0	15	1	16
BL21274C	10750 Jones Bridge Road	0	0	5	0	15	1	16
CR47908C	395 Sand Wedge Lane	0	0	5	10	5	1	16
CR14330C	9815 Astry Falls Drive	0	0	4	10	5	4	19
CR12690C	9775 Foxworth Drive	0	0	3	0	5	2	7
CR46345C	935 Hunts Pointe Cove	0	0	4	10	0	3	13
BL13203C	2000 Westwell Run	0	0	1	10	0	0	10
BL15840C	10513 New Cove Road	0	0	5	0	15	0	15
BL15849C	10504 New Cove Road	0	0	5	0	15	0	15
BL18486C	11270 Amy Frances Lane	0	0	4	0	5	1	6
BL18625C	705 Milton Oaks Drive	0	0	5	0	5	1	6
BL16883C	34108 Harvest Ridge Lane	0	0	5	10	5	0	15
BL18700C	4550 Weathervane Drive	0	0	3	0	5	1	6
BL18702C	4705 Weathervane Drive	0	0	5	0	5	1	6
BL20585C	4460 Kimball Bridge Road	0	0	0	10	5	0	15
JC21247C	4909 Weathervane Drive	0	0	5	0	15	0	15
BL20370C	10139 Haynes Bridge Road	0	3	2	0	0	0	6
BL20336C	307 Caswyck Trace	0	0	0	0	5	0	5
BL21239C	10945 State Bridge Road #401	0	0	5	0	5	1	6
BL20710C	11130 State Bridge Road #A101	0	0	0	10	5	0	15
BL20618C	210 Ashlee Oaks Court	0	0	5	10	5	0	15
BL22269C	700 Milton Oaks Drive	0	0	3	0	5	1	6
BL22271C	700 Milton Oaks Drive	0	0	5	0	5	1	6
BL22279C	700 Milton Oaks Drive	0	0	5	0	5	1	6
BL22465C	4645 Valais Court #151	0	0	5	10	0	0	10
BL22466C	10970 State Bridge Road #B	0	0	5	10	0	0	10
BL22497C	10970 State Bridge Road #B	0	0	5	10	0	0	10
BL22498C	10970 State Bridge Road #B	0	0	5	10	0	0	10
BL22622C	9925 Haynes Bridge Road #510	0	0	3	10	0	0	10
BL22625C	9925 Haynes Bridge Road #100-760	0	0	3	10	0	0	10
BL22633C	9925 Haynes Bridge Road #100	0	0	5	10	0	0	10
BL22682C	3000 Old Alabama Road #115	0	0	3	10	0	0	10
BL22683C	3000 Old Alabama Road #115	0	0	4	10	0	0	10
BL22684C	3000 Old Alabama Road	0	0	4	10	0	0	10
BL22620C	9925 Haynes Bridge Road #610	0	0	3	10	0	0	10

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL22621C	9925 Haynes Bridge Road #610	0	0	4	10	0	0	10
BL22616C	9925 Haynes Bridge Road #730	0	0	4	10	0	0	10
BL22614C	9925 Haynes Bridge Road #760	0	0	4	10	0	0	10
BL22615C	9925 Haynes Bridge Road #760	0	0	4	10	0	0	10
BL22624C	9925 Haynes Bridge Road #720	0	0	4	10	0	0	10
BL22680C	3000 Old Alabama Road #110B	0	0	3	10	0	0	10
BL22496C	10970 State Bridge Road #A4	0	0	5	10	0	0	10
BL22499C	10970 State Bridge Road #A4	0	0	5	10	0	0	10
BL22495C	10970 State Bridge Road #A4	0	0	5	10	0	0	10
BL22623C	9925 Haynes Bridge Road #690	0	0	5	10	0	0	10
BL22641C	9925 Haynes Bridge Road #690	0	0	5	10	0	0	10
BL22655C	9925 Haynes Bridge Road #690	0	0	5	10	0	0	10
BL22681C	3000 Old Alabama Road #111	0	0	3	10	0	0	10
BL22685C	3000 Old Alabama Road #116	0	0	4	10	0	0	10
BL22694C	3000 Old Alabama Road #116	0	0	5	10	0	0	10
BL22636C	9919 Haynes Bridge Road	0	0	5	10	0	0	10
BL22637C	9919 Haynes Bridge Road	0	0	5	10	0	0	10
BL22638C	9919 Haynes Bridge Road	0	0	5	10	0	0	10
BL22639C	9919 Haynes Bridge Road	0	0	5	10	0	0	10
BL22640C	9919 Haynes Bridge Road	0	0	5	10	0	0	10
BL22642C	9919 Haynes Bridge Road	0	0	5	10	0	0	10
BL22643C	9919 Haynes Bridge Road	0	0	5	10	0	0	10
BL22646C	9915 Haynes Bridge Road	0	0	5	10	0	0	10
BL22647C	9915 Haynes Bridge Road	0	0	5	10	0	0	10
BL22648C	9915 Haynes Bridge Road	0	0	5	10	0	0	10
BL22653C	9915 Haynes Bridge Road	0	0	5	10	0	0	10
BL22654C	9915 Haynes Bridge Road	0	0	5	10	0	0	10
BL22467C	10980 State Bridge Road	0	0	5	10	0	0	10
BL22468C	10980 State Bridge Road	0	0	5	10	0	0	10
BL22617C	3163 Old Alabama Road	0	0	4	10	0	0	10
BL22618C	3163 Old Alabama Road	0	0	3	10	0	0	10
CR10919C	1017 Wetherby Way	0	0	5	10	0	0	10
CR10876C	9340 Colonnade Trail	0	0	5	10	0	0	10
CR12147C	8865 Laurel Way	0	0	5	10	5	0	15
CR12059C	3415 Rivermont Parkway	0	0	5	10	5	3	18
CR12677C	3373 Jamont Boulevard	0	0	4	10	0	0	10
CR12676C	3346 Jamont Boulevard	0	0	4	10	0	0	10
CR12527C	9897 Rod Road	0	0	4	10	5	0	15
CR21850C	215 Coosa Lane	0	0	5	10	0	0	10
CR14306C	215 Bright Water Cove	0	0	4	10	0	0	10
CR14491C	440 Autry Mill Circle	0	0	5	10	0	0	10
CR14467C	620 Nature Mill Way	0	0	4	10	5	0	15
CR19086C	9878 Brumbelow Road	0	0	5	0	5	1	6
CR19825C	9945 Buice Road	0	0	5	0	15	3	18
CR19245C	9700 Brumbelow Road	0	0	5	0	5	1	6
BB13237C	197 Windflower Court	0	0	5	10	0	0	10
BB13331C	5555 Ashewoode Downs Drive	0	0	4	10	0	0	10
CR46539C	4110 Old Alabama Road	0	0	5	10	0	0	10
BB40012C	197 Windflower Court	0	0	3	10	0	0	10
BB40486C	197 Windflower Court	0	0	5	10	0	0	10
CR10814C.1	3020 Wellington Road	0	0	5	10	0	0	10
CR47783C	2003 Falcon Glen Court	0	0	3	10	0	0	10
CR47812C	2003 Falcon Glen Court	0	0	5	10	0	0	10
CR47795C	2012 Falcon Glen Court	0	0	5	10	0	0	10
CR47815C	2014 Falcon Glen Court	0	0	3	10	0	0	10
CR47060C	9580 Autry Falls Drive	0	0	4	10	0	0	10
CR47078C	9580 Autry Falls Drive	0	0	5	10	0	0	10
CR47077C	9680 Autry Falls Drive	0	0	5	10	0	0	10
BL18627C	700 Milton Oaks Drive	0	0	5	0	5	1	6
CR47050C	4110 Old Alabama Road	0	0	5	10	0	0	10
CR47054C	4110 Old Alabama Road	0	0	5	10	0	0	10
CR47057C	4110 Old Alabama Road	0	0	5	10	0	0	10
CR47059C	4110 Old Alabama Road	0	0	5	10	0	0	10
CR47091C	4110 Old Alabama Road	0	0	5	10	0	0	10
BB19229C	11885 Douglas Road	0	0	5	0	15	0	15
CR12527C.1	3005 Old Alabama Road #10	0	0	4	10	0	0	10
BB40053C	5260 Cresslyn Rdg	0	0	5	10	5	0	15
BB19228C	5260 Cresslyn Rdg	0	0	5	0	15	0	15
JC15864C	10637 Jones Bridge Road	0	0	5	10	5	0	15

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL13009C	3245 Old Evergreen Way	0	0	5	10	0	1	11
BL13134C	2560 Runic Way	0	0	5	10	0	1	11
BL13068C	3520 New Heritage Drive	0	0	5	10	0	1	11
BL13177C	540 Lathkil Court	0	0	4	10	0	1	11
BL13201C	645 Rosedown Way	0	0	5	10	0	1	11
BL13187C	3545 Patterstone Drive	0	0	4	10	0	1	11
BL10105C	3555 Patterstone Drive	0	0	4	10	0	1	11
BL13188C	3555 Patterstone Drive	0	0	3	10	0	1	11
BL13218C	9920 Barston Court	0	0	4	10	0	1	11
BL10198C	860 Braesridge Way	0	0	5	10	0	1	11
BL10199C	860 Braesridge Way	0	0	5	10	0	1	11
BL10185C	866 Braesridge Way	0	0	5	10	0	1	11
BL21929C	11025 Spotted Pony Trail	0	0	4	10	0	1	11
BL22604C	10475 Timberstone Road	0	0	4	10	0	1	11
CR11737C	8655 S. Mount Drive	0	0	5	10	0	1	11
CR10095C	9865 Coventry Lane	0	0	4	10	0	1	11
CR10096C	9865 Coventry Lane	0	0	4	10	0	1	11
CR10091C	9961 Carrington Lane	0	0	4	10	0	1	11
CR10090C	9971 Carrington Lane	0	0	4	10	0	1	11
CR10166C	625 S. Preston Court	0	0	4	10	0	1	11
CR12032C	480 Chimney Bluff	0	0	5	10	0	1	11
CR12118C	3610 Glen Crossing Drive	0	0	5	10	0	1	11
CR12683C	3610 River Ferry Drive	0	0	5	10	0	1	11
CR12438C	3290 Arbor Woods Drive	0	0	5	10	0	1	11
CR12737C	3870 Redcoat Way	0	0	5	10	0	1	11
CR12772C	9846 Talisman Drive	0	0	4	10	0	1	11
CR14324C	345 Waters Bend Way	0	0	5	10	0	1	11
CR14430C	145 Atry Landing Way	0	0	5	10	0	1	11
CR14344C	625 Falls Lake Drive	0	0	3	10	0	1	11
CR14350C	665 Falls Lake Drive	0	0	4	10	0	1	11
CR18525C	715 Weybridge Place	0	0	4	10	0	1	11
CR18534C	520 Dartington Way	0	0	4	10	0	1	11
CR14587C	10260 Oxford Mill Circle	0	0	5	10	0	1	11
CR14640C	10480 Oxford Mill Circle	0	0	4	10	0	1	11
CR18520C	10685 Oxford Mill Circle	0	0	5	10	0	1	11
CR14649C	10595 Oxford Mill Circle	0	0	5	10	0	1	11
CR14652C	10655 Oxford Mill Circle	0	0	4	10	0	1	11
CR14374C	240 Azalea Cove Lane	0	0	5	10	0	1	11
CR47151C	8715 Colony Club Drive	0	0	4	10	0	1	11
BL15773C	10345 Colony Glen Drive	0	0	3	10	5	2	17
BL22564C	10330 Colony Glen Drive	0	0	5	10	5	2	17
BL22731C	9850 Nesbit Ferry Road #25	0	0	5	10	5	2	17
CR11873C	605 Mount Victoria Place	0	0	5	0	15	2	17
CR12064C	3415 Rivermont Parkway	0	0	5	10	5	2	17
CR12055C	150 Mount Shasta Lane	0	0	5	10	5	2	17
CR12460C	9500 Dominion Way	0	0	4	10	5	2	17
CR14329C	9825 Atry Falls Drive	0	0	5	10	5	2	17
CR22733C	9850 Nesbit Ferry Road #25	0	0	5	10	5	2	17
BB40455C	11950 Jones Bridge Road #114B	0	0	5	0	5	0	5
BL15730C	10445 Plantation Bridge Drive	0	0	5	10	0	4	14
BL18581C	225 Brookhollow Trace	0	0	4	10	0	4	14
BL18814C	310 Olde Bridge Way	0	0	5	10	0	4	14
BL22288C	4775 Roswell Mill Drive	0	0	5	10	0	4	14
CR11770C	8498 Colony Club Drive	0	0	5	10	0	2	12
CR10050C	345 Landing Entry	0	0	5	0	5	1	6
CR10048C	360 Landing Entry	0	0	4	0	5	1	6
CR12461C	9500 Dominion Way	0	0	4	10	0	2	12
CR14566C	9750 Hunts Pointe Drive	0	0	4	10	0	2	12
CR14561C	935 Hunts Pointe Cove	0	0	4	10	0	2	12
CR20380C	10015 High Falls Pointe	0	0	2	0	5	1	6
CR14545C	9585 Atry Falls Drive	0	0	5	10	0	2	12
CR14490C	220 Willow Glade Point	0	0	4	10	0	2	12
CR14479C	9810 Nature Mill Road	0	0	4	10	0	2	12
CR14567C	9740 Hunts Pointe Drive	0	0	4	10	0	2	12
CR47006C	9595 Atry Falls Drive	0	0	5	10	0	2	12
BL13010C	3235 Old Evergreen Way	0	0	5	10	0	0	10
BL13011C	3235 Old Evergreen Way	0	0	5	10	0	0	10
BL13056C	330 Old Colonial Lane	0	0	4	10	0	0	10
BL12952C	3058 Haynes Trail	0	0	5	10	0	0	10

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL12953C	3058 Haynes Trail	0	0	5	10	0	0	10
BL12963C	3046 Haynes Trail	0	0	5	10	0	0	10
BL12959C	3070 Haynes Trail	0	0	5	10	0	0	10
BL12951C	3060 Woodvale Court	0	0	3	10	0	0	10
BL10108C	3548 Allee Elm Drive	0	0	4	10	0	0	10
BL13223C	3556 Allee Elm Drive	0	0	5	10	0	0	10
BL13224C	3556 Allee Elm Drive	0	0	5	10	0	0	10
BL15830C	10700 Willow Meadow Circle	0	0	5	0	15	1	16
BL15835C	10755 Willow Meadow Circle	0	0	5	0	15	1	16
BL15823C	10815 Willow Meadow Circle	0	0	5	0	15	1	16
BL15821C	10665 Willow Meadow Circle	0	0	5	0	15	1	16
BL15819C	10875 Willow Meadow Circle	0	0	5	0	15	1	16
BL15846C	10473 New Cove Road	0	0	5	0	15	1	16
BL15847C	10484 New Cove Road	0	0	5	0	15	1	16
BL15848C	10504 New Cove Road	0	0	5	0	15	1	16
BL15878C	595 Edgehill Place	0	0	5	0	15	1	16
BL15869C	555 Edgehill Place	0	0	5	0	15	1	16
BL15872C	735 Hedgewick Trail	0	0	5	0	15	1	16
BL15873C	760 Hedgewick Trail	0	0	5	0	15	1	16
BL15875C	775 Hedgewick Trail	0	0	5	0	15	1	16
BL15874C	755 Hedgewick Trail	0	0	5	0	15	1	16
BL15871C	100 Hillman Court	0	0	5	0	15	1	16
BL15812C	10485 Meadow Run Trace	0	0	5	0	15	1	16
BL15886C	10655 Buice Road	0	0	4	10	5	1	16
BL15789C	10279 Jones Bridge Road	0	0	5	0	15	1	16
BL17010C	10855 Spotted Pony Trail	0	0	5	0	15	1	16
BL17013C	10970 Spotted Pony Trail	0	0	4	0	15	1	16
BL16996C	11220 Indian Village Drive	0	0	4	0	15	1	16
BL18491C	11115 Amy Frances Lane	0	0	5	0	15	1	16
BL18493C	11115 Amy Frances Lane	0	0	4	0	15	1	16
BL18494C	11130 Amy Frances Lane	0	0	4	0	15	1	16
BL18498C	11130 Amy Frances Lane	0	0	5	0	15	1	16
BL18574C	210 Brookhollow Court	0	0	4	0	15	1	16
BL18451C	4785 Jones Bridge Woods Drive	0	0	5	0	15	1	16
BL18588C	535 Willowbrook Run	0	0	4	0	15	1	16
BL18586C	545 Willowbrook Run	0	0	5	10	0	0	10
BL18590C	11220 Brookhollow Trail	0	0	5	0	15	1	16
BL18614C	735 Milton Oaks Drive	0	0	5	0	15	1	16
BL18604C	845 Milton Oaks Drive	0	0	5	0	15	1	16
BL18612C	4665 Sengen Trace	0	0	5	0	15	1	16
BL21244C	325 Frazier Fir Court	0	0	5	0	15	1	16
BL19791C	10528 Brookdale Road	0	0	5	0	15	1	16
BL19600C	11115 Amy Frances Lane	0	0	5	0	15	1	16
BL19603C	11130 Amy Frances Lane	0	0	5	0	15	1	16
BL19607C	11130 Amy Frances Lane	0	0	5	0	15	1	16
BL19608C	11130 Amy Frances Lane	0	0	4	0	15	1	16
BL18691C	220 Hersfeld Court	0	0	3	10	0	0	10
BL18703C	4780 Weathervane Drive	0	0	5	0	15	1	16
BL18701C	4715 Weathervane Drive	0	0	5	0	15	1	16
BL18717C	730 Kimball Parc Court	0	0	5	0	15	1	16
BL18710C	670 Kimball Parc Way	0	0	5	0	15	1	16
BL18712C	690 Kimball Parc Way	0	0	5	0	15	1	16
BL20040C	11130 State Bridge Road #101-F106	0	0	5	0	15	1	16
BL19838C	10655 Buice Road	0	0	4	0	15	1	16
BL18649C	11388 Jones Bridge Road	0	0	5	0	15	1	16
BL19833C	10900 Buice Road	0	0	5	0	15	1	16
BL19570C	10920 State Bridge Road	0	0	5	0	15	1	16
BL19571C	10920 State Bridge Road	0	0	5	0	15	1	16
BL19573C	10930 Jones Bridge Road	0	0	5	0	15	1	16
BL19943C	9850 Nesbit Ferry Road #2	0	0	4	0	15	1	16
BL19606C	11180 State Bridge Road #101-503	0	0	5	0	15	1	16
BL19792C	4308 Noor View Court	0	0	5	0	15	1	16
BL19789C	302 Buice Creek Ct	0	0	5	0	15	1	16
BL19790C	302 Buice Creek Ct	0	0	5	0	15	1	16
BL22526C	270 Broken Lance Place	0	0	4	10	5	1	16
BL22461C	11130 Amy Frances Lane	0	0	4	0	15	1	16
BL22460C	11155 Amy Frances Lane	0	0	5	0	15	1	16
BL22286C	4900 Jones Bridge Place Drive	0	0	5	0	15	1	16
BL22559C	10485 Meadow Run Trace	0	0	5	10	5	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL22722C	9850 Nesbit Ferry Road #1	0	0	5	10	5	1	16
BL22730C	9850 Nesbit Ferry Road #1	0	0	5	10	5	1	16
BL22427C	11085 State Bridge Road	0	0	5	0	15	1	16
BL22162C	10800 Jones Bridge Road #E	0	0	5	0	15	1	16
CR10875C	9340 Colonnade Trail	0	0	5	10	0	0	10
CR11935C	3655 Jacobean Entry	0	0	5	0	15	1	16
CR11932C	285 Hepplewhite Drive	0	0	5	10	5	1	16
CR11934C	260 Hepplewhite Drive	0	0	5	10	5	1	16
CR11930C	315 Hepplewhite Drive	0	0	5	10	5	1	16
CR11898C	3550 Aubusson Trace	0	0	4	10	5	1	16
CR11895C	3555 Aubusson Trace	0	0	4	10	5	1	16
CR11894C	3540 Aubusson Trace	0	0	4	10	5	1	16
CR11900C	3590 Aubusson Trace	0	0	5	10	5	1	16
CR11896C	3575 Aubusson Trace	0	0	5	10	5	1	16
CR11904C	3635 Aubusson Trace	0	0	5	10	5	1	16
CR11902C	3640 Aubusson Trace	0	0	5	10	5	1	16
CR11888C	335 Mount Mitchell Way	0	0	5	10	5	1	16
CR11867C	420 Longs Peak	0	0	5	10	5	1	16
CR11872C	540 Mount Washington Lane	0	0	5	10	5	1	16
CR11870C	505 Mount Washington Lane	0	0	5	10	5	1	16
CR11863C	275 N. Peak Drive	0	0	5	10	5	1	16
CR11860C	325 N. Peak Drive	0	0	5	10	5	1	16
CR11857C	370 N. Peak Drive	0	0	5	10	5	1	16
CR11880C	640 Mount Victoria Place	0	0	5	10	5	1	16
CR11877C	615 Mount Victoria Place	0	0	5	10	5	1	16
CR11885C	760 Wheeler Peak Way	0	0	4	10	5	1	16
CR11936C	415 Whitesmith Way	0	0	5	10	5	1	16
CR11927C	325 Gorham Close	0	0	5	10	5	1	16
CR11926C	310 Gorham Close	0	0	5	0	15	1	16
CR11929C	305 Gorham Close	0	0	5	10	5	1	16
CR11891C	3740 Borning Court	0	0	5	10	5	1	16
CR11893C	3725 Borning Court	0	0	3	10	5	1	16
CR10053C	125 Shoreline Walk	0	0	5	0	15	1	16
CR11855C	525 Kings Peak	0	0	5	10	5	1	16
CR12150C	8935 Laurel Way	0	0	5	10	0	0	10
CR12073C	3450 Rivermont Parkway	0	0	5	10	5	1	16
CR12062C	3455 Rivermont Parkway	0	0	5	10	5	1	16
CR12068C	3375 Rivermont Parkway	0	0	4	10	5	1	16
CR12038C	260 Mount Ranier Way	0	0	5	10	5	1	16
CR12076C	8720 S. Mount Drive	0	0	5	10	5	1	16
CR12045C	540 Mount Everest Way	0	0	5	10	5	1	16
CR12050C	50 Mount Whitney Place	0	0	5	10	5	1	16
CR12047C	8850 N. Mount Drive	0	0	5	10	5	1	16
CR11939C	215 Hepplewhite Drive	0	0	5	10	5	1	16
CR12052C	8890 N. Mount Drive	0	0	5	10	5	1	16
CR12381C	685 Arboreal Court	0	0	5	10	5	1	16
CR12675C	3346 Jamont Boulevard	0	0	4	10	0	0	10
CR12680C	3346 Jamont Boulevard	0	0	4	10	0	0	10
CR11948C	380 Rainbow Row Court	0	0	5	10	5	1	16
CR11952C	310 Rainbow Row Court	0	0	4	10	5	1	16
CR11964C	9280 Stoney Ridge Lane	0	0	5	0	15	1	16
CR11965C	9280 Stoney Ridge Lane	0	0	5	10	5	1	16
CR12754C	9794 Talisman Drive	0	0	5	10	5	1	16
CR12780C	9830 Talisman Drive	0	0	5	10	0	0	10
CR12781C	9846 Talisman Drive	0	0	5	10	0	0	10
CR12782C	9846 Talisman Drive	0	0	5	10	0	0	10
CR12773C	9854 Talisman Drive	0	0	4	10	0	0	10
CR12042C	8800 N. Mount Drive	0	0	5	0	15	1	16
CR12043C	8800 N. Mount Drive	0	0	5	10	5	1	16
CR14571C	9725 Hunts Pointe Drive	0	0	4	0	15	1	16
CR20304C	3205 Rivermont Parkway	0	0	0	0	5	0	5
CR22761C	9855 Coventry Lane	0	0	5	10	0	0	10
CR14160C	9949 Autry Vue Lane	0	0	5	10	0	0	10
CR14327C	415 Autry Mill Circle	0	0	5	0	15	1	16
CR14517C	165 Windlake Cove	0	0	5	10	5	1	16
CR14528C	555 Brook Manor Drive	0	0	5	0	15	1	16
CR14534C	435 Brook Manor Court	0	0	4	0	15	1	16
CR14532C	225 Woodscape Court	0	0	4	0	15	1	16
CR14525C	9675 Autry Falls Drive	0	0	5	0	15	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR14328C	9815 Austry Falls Drive	0	0	4	0	15	1	16
CR14465C	610 Nature Mill Way	0	0	5	0	15	1	16
CR14466C	610 Nature Mill Way	0	0	5	0	15	1	16
CR14478C	100 Nature Mill Court	0	0	5	0	15	1	16
CR14477C	9900 Nature Mill Road	0	0	5	0	15	1	16
CR14463C	9955 Nature Mill Road	0	0	5	0	15	1	16
CR14447C	115 Austry Mill Road	0	0	5	10	5	1	16
CR19830C	675 Turbridge Court	0	0	3	10	0	0	10
CR22797C	9285 Brumbelow Road	0	0	4	10	5	1	16
CR19919C	9820 Nesbit Ferry Road	0	0	5	0	15	1	16
CR22196C	9820 Nesbit Ferry Road	0	0	5	0	15	1	16
CR19209C	9375 Barnwell Road	0	0	5	0	15	1	16
CR19797C	10214 Jones Bridge Road	0	0	5	0	15	1	16
CR15717C	10420 Jones Bridge Road	0	0	5	0	15	1	16
CR19210C	9291 Barnwell Road	0	0	5	0	15	1	16
CR19799C	308 Brittingham Court	0	0	5	0	15	1	16
CR14203C	2306 Grovehurst Drive	0	0	4	10	0	0	10
CR20106C	4369 Austry Way	0	0	5	0	15	1	16
CR19798C	10205 Jones Bridge Road	0	0	5	0	15	1	16
CR47098C	9750 Hunts Pointe Drive	0	0	4	10	5	1	16
CR47788C	3700 Old Alabama Road	0	0	4	10	5	1	16
CR47842C	8806 Fairview Bluff	0	0	5	10	0	0	10
CR47841C	8806 Fairview Bluff	0	0	5	10	0	0	10
BB40508C	11877 Douglas Road #115	0	0	5	10	0	0	10
BB40096C	11877 Douglas Road #116	0	0	5	10	0	0	10
CR11776C	3450 Rivermont Parkway	0	0	5	10	5	1	16
CR47868C	3375 Rivermont Parkway	0	0	5	10	5	1	16
CR47893C	510 Kings Peak	0	0	5	10	5	1	16
CR47877C	715 Wheeler Peak Way	0	0	5	10	5	1	16
BL23216C	3315 Switchbark Lane	0	0	0	10	0	0	10
BL12842C	2930 Ivey Oaks Lane	0	0	5	0	5	1	6
BL10182C	905 Braesridge Way	0	0	5	0	5	1	6
BL10187C	866 Braesridge Way	0	0	4	0	5	1	6
BL10175C	1065 Braesridge Way	0	0	5	0	5	1	6
BL12936C	10210 Haynes Bridge Road	0	0	5	0	5	1	6
BL12916C	10010 Piney Ridge Walk	0	0	5	0	5	1	6
BL12917C	10070 Piney Ridge Walk	0	0	5	0	5	1	6
BL12921C	10105 Piney Ridge Walk	0	0	5	0	5	1	6
CR10078C	9910 Carrington Lane	0	0	5	0	5	1	6
CR10092C	10030 Carrington Lane	0	0	5	0	5	1	6
CR12350C	2885 Arbor Woods Drive	0	0	5	0	5	1	6
CR12349C	2875 Arbor Woods Drive	0	0	2	0	5	1	6
CR12609C	705 Old Knoll View	0	0	5	0	5	1	6
CR12608C	540 Guildhall Place	0	0	1	0	5	1	6
CR12648C	640 Saint Fillans Court	0	0	4	10	0	3	13
CR12600C	9540 Rod Road	0	0	5	0	5	1	6
CR12602C	9635 Rod Road	0	0	4	0	5	1	6
CR14439C	145 Austry Landing Way	0	0	5	0	5	1	6
CR14620C	685 Turbridge Court	0	0	4	0	5	1	6
CR14602C	10210 Brier Mill Court	0	0	3	0	5	1	6
CR18565C	925 Bishopswood Place	0	0	5	0	5	1	6
CR21178C	3565 Old Alabama Road	0	0	5	0	5	1	6
BL17039C	4640 Valais Court #200	0	0	3	10	0	1	11
BL22553C	4300 Noor View Court	0	0	5	10	0	1	11
CR11810C	145 Brassy Court	0	0	5	10	0	1	11
CR11833C	8640 Niblick Drive	0	0	4	10	0	1	11
CR11850C	8630 Niblick Drive	0	0	5	10	0	1	11
CR11938C	215 Hepplewhite Drive	0	0	5	10	0	1	11
CR12382C	685 Arboreal Court	0	0	5	10	0	1	11
CR11966C	320 Rainbow Row Court	0	0	4	10	0	1	11
CR11955C	140 Stoney Ridge Drive	0	0	4	10	0	1	11
CR14564C	920 Hunts Pointe Cove	0	0	5	10	0	1	11
CR14568C	920 Hunts Pointe Cove	0	0	4	10	0	1	11
CR14569C	9715 Hunts Pointe Drive	0	0	4	10	0	1	11
CR14520C	730 Woodscape Trail	0	0	5	10	0	1	11
CR14521C	740 Woodscape Trail	0	0	5	10	0	1	11
CR14522C	740 Woodscape Trail	0	0	5	10	0	1	11
CR14523C	740 Woodscape Trail	0	0	4	10	0	1	11
CR14531C	560 Brook Manor Drive	0	0	4	10	0	1	11

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR14536C	225 Woodscape Court	0	0	4	10	0	1	11
CR14537C	225 Woodscape Court	0	0	4	10	0	1	11
CR14540C	9625 Austry Falls Drive	0	0	4	10	0	1	11
CR14542C	9600 Austry Falls Drive	0	0	5	10	0	1	11
CR14471C	220 Willow Glade Point	0	0	5	10	0	1	11
CR14489C	230 Willow Glade Point	0	0	5	10	0	1	11
CR14487C	325 Willow Glade Point	0	0	4	10	0	1	11
CR14470C	380 Falls Point Trail	0	0	5	10	0	1	11
CR14469C	390 Falls Point Trail	0	0	5	10	0	1	11
CR22798C	9285 Brumbelow Road	0	0	4	10	0	1	11
CR22207C	9920 Jones Bridge Road	0	0	5	0	5	2	7
CR14562C	9650 Hunts Pointe Drive	0	0	4	10	0	1	11
BL13102C	9935 Timberstone Road	0	0	4	10	5	4	19
BL13061C	205 Heirloom Court	0	0	5	10	5	4	19
BL10193C	3785 Jones Ferry Lane	0	0	5	10	5	4	19
BL13071C	9965 Anaheim Drive	0	0	5	10	5	4	19
CR12453C	440 Prince Charles Place	0	0	4	10	5	4	19
CR12483C	710 Eider Down Court	0	0	5	10	5	4	19
CR14376C	10350 High Falls Circle	0	0	5	10	5	4	19
CR47117C	9830 Foxworth Drive	0	0	5	10	5	4	19
CR47157C	310 Colony Cove	0	0	5	10	5	4	19
BL18492C	11125 Amy Frances Lane	0	3	0	0	15	0	15
BL20389C	10615 Willow Meadow Circle	0	0	0	0	5	0	5
BL20581C	4460 Kimball Bridge Road	0	0	0	10	5	0	15
BL20584C	4460 Kimball Bridge Road	0	0	0	10	5	0	15
BL20554C	5035 Kimball Bridge Road	7	0	0	10	5	0	15
BL20732C	5035 Kimball Bridge Road	7	0	0	10	5	0	15
BL19617C	11130 State Bridge Road #A101	0	0	0	10	5	0	15
BL20621C	4395 Kimball Bridge Road	0	0	0	0	15	0	15
BL20605C	11110 State Bridge Road	0	0	0	0	15	0	15
BL22551C	10615 Willow Meadow Circle	0	0	0	0	5	0	5
BL22550C	10615 Willow Meadow Circle	0	0	0	0	5	0	5
BL22560C	10493 New Cove Road	0	0	5	0	15	0	15
BL22527C	270 Broken Lance Place	0	0	0	10	5	0	15
BL22177C	4395 Kimball Bridge Road	0	0	0	10	5	0	15
BL22309C	11110 State Bridge Road	0	0	0	0	15	0	15
CR10055C	301 Landing Entry	0	0	5	10	5	0	15
CR10056C	298 Landing Entry	0	0	5	0	15	0	15
CR10057C	298 Landing Entry	0	0	4	10	5	0	15
CR12072C	3450 Rivermont Parkway	0	0	5	10	5	0	15
CR12061C	3435 Rivermont Parkway	0	0	5	10	5	0	15
CR12063C	3435 Rivermont Parkway	0	0	5	10	5	0	15
CR12071C	8800 N. Mount Drive	0	0	5	10	5	0	15
CR19126C	3705 Foxmoor Circle	0	0	2	0	15	0	15
CR15715C	10420 Jones Bridge Road	0	0	5	0	15	0	15
CR15716C	10420 Jones Bridge Road	0	0	5	0	15	0	15
CR19127C	298 Landing Entry	0	0	5	0	15	0	15
BB13278C	5325 Bentley Hall Drive	0	0	5	10	5	0	15
BB13264C	12570 Cornish Court	0	0	4	10	5	0	15
BB13263C	12575 Cornish Court	0	0	4	0	15	0	15
BB13262C	12585 Cornish Court	0	0	4	10	5	0	15
BB13261C	330 Oxford Hall Drive	0	0	4	10	5	0	15
BB13256C	515 Grovsnor Terrace	0	0	4	10	5	0	15
BB13255C	525 Grovsnor Terrace	0	0	4	0	15	0	15
BB13250C	110 Concord Trace	0	0	5	10	5	0	15
BB13260C	12625 Concord Hall Drive	0	0	5	10	5	0	15
BB13259C	12625 Concord Hall Drive	0	0	5	0	15	0	15
BB13247C	12735 Concord Hall Drive	0	0	5	0	15	0	15
BB13248C	12730 Concord Hall Drive	0	0	5	10	5	0	15
BB13322C	110 Morning Pine Court	0	0	5	0	15	0	15
BB13326C	100 Morning Pine Court	0	0	5	0	15	0	15
BB13354C	100 Ashewoode Downs Lane	0	0	5	0	15	0	15
BB13353C	105 Ashewoode Downs Lane	0	0	4	10	5	0	15
BB13356C	105 Ashewoode Downs Lane	0	0	5	10	5	0	15
BB13355C	105 Ashewoode Downs Lane	0	0	5	0	15	0	15
BB13327C	5580 Ashewoode Downs Drive	0	0	4	10	5	0	15
BB13358C	5665 Ashewoode Downs Drive	0	0	4	10	5	0	15
BB13357C	5655 Ashewoode Downs Drive	0	0	4	0	15	0	15
BB13377C	12400 Stevens Creek Drive	0	0	4	10	5	0	15

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BB13376C	12405 Stevens Creek Drive	0	0	4	0	15	0	15
BB17671C	135 Hydrangea Court	0	0	5	10	5	0	15
BB40004C	760 Vinca Court	0	0	4	10	5	0	15
BB17678C	210 Crown Vetch Lane	0	0	5	0	15	0	15
BB17680C	210 Crown Vetch Lane	0	0	5	10	5	0	15
BB17679C	210 Crown Vetch Lane	0	0	5	0	15	0	15
BB17677C	230 Crown Vetch Lane	0	0	5	0	15	0	15
BB17672C	11750 Wellsley Way	0	0	3	0	15	0	15
BB19185C	5120 Wellsley Bend	0	0	5	0	15	0	15
BB17673C	5120 Wellsley Bend	0	0	5	0	15	0	15
BB19854C	11890 Douglas Road #101	0	0	5	0	15	0	15
BB40036C	11890 Douglas Road #101	0	0	5	10	5	0	15
BB22238C	11649 Waterbury Lane	7	0	0	10	5	0	15
BB21771C	401 Cresslyn Ln	0	0	5	0	15	0	15
BB19855C	5278 Cresslyn Rdg	0	0	5	0	15	0	15
JC14656C	9905 Buice Road	0	0	5	10	5	0	15
JC21267C	500 Camden Hall Drive	0	0	5	0	15	0	15
JC21945C	10590 Wynbridge Drive	0	0	5	0	15	0	15
JC15866C	705 Hedgewick Trail	0	0	5	0	15	0	15
JC15863C	10637 Jones Bridge Road	0	0	5	0	15	0	15
JC21264C	10590 Wynbridge Drive	0	0	5	0	15	0	15
JC15865C	10590 Wynbridge Drive	0	0	5	0	15	0	15
JC21265C	10590 Wynbridge Drive	0	0	5	0	15	0	15
JC21266C	10590 Wynbridge Drive	0	0	5	0	15	0	15
JC21272C	10660 Indian Village Drive	0	0	5	0	15	0	15
JC21947C	500 Camden Hall Drive	0	0	5	0	15	0	15
JC21268C	500 Camden Hall Drive	0	0	5	0	15	0	15
JC21269C	501 Camden Hall Drive	0	0	5	0	15	0	15
JC21270C	501 Camden Hall Drive	0	0	5	0	15	0	15
JC21271C	501 Camden Hall Drive	0	0	5	0	15	0	15
CR19923C.2	3700 Old Alabama Road	7	0	0	0	15	0	15
JC47878C	10307 Oxford Mill Circle	0	0	4	0	15	0	15
BL15798C	115 Willow View Point	0	0	4	10	0	2	12
BL15825C	10815 Willow Meadow Circle	0	0	5	10	0	2	12
BL15877C	785 Hedgewick Trail	0	0	5	10	0	2	12
BL15862C	10528 Brookdale Road	0	0	4	10	0	2	12
BL10027C	115 Milton Ridge Court	0	0	5	10	0	2	12
BL18576C	195 Brookhollow Trace	0	0	4	10	0	2	12
BL18577C	195 Brookhollow Trace	0	0	4	10	0	2	12
BL18632C	4775 Roswell Mill Drive	0	0	5	10	0	2	12
BL18606C	4665 Sengen Trace	0	0	5	10	0	2	12
BL18714C	705 Kimball Parc Way	0	0	5	10	0	2	12
BL22548C	425 Willow View Knoll	0	0	5	10	0	2	12
BL22369C	11240 Amy Frances Lane	0	0	5	10	0	2	12
CR12333C	130 Farewell Lane	0	0	5	10	5	3	18
CR12521C	285 Vidaulan Court	0	0	5	10	5	3	18
CR12715C	3765 Redcoat Way	0	0	3	10	5	3	18
CR14319C	120 Silver Mist Circle	0	0	2	10	5	3	18
CR47111C	10365 Austry Place	0	0	5	0	15	3	18
BL15852C	4285 Noor View Court	0	0	5	10	0	0	10
BL17045C	4645 Valais Court #8	0	0	4	10	0	0	10
BL17053C	4645 Valais Court #9	0	0	4	10	0	0	10
BL17052C	4645 Valais Court #75	0	0	5	10	0	0	10
BL17051C	4645 Valais Court #79	0	0	5	10	0	0	10
BL17047C	4645 Valais Court #80	0	0	4	10	0	0	10
BL17054C	4645 Valais Court #88	0	0	5	10	0	0	10
BL17055C	4645 Valais Court #89	0	0	5	10	0	0	10
BL17056C	4645 Valais Court #89	0	0	5	10	0	0	10
BL17048C	4645 Valais Court #102	0	0	4	10	0	0	10
BL17050C	4645 Valais Court #102	0	0	4	10	0	0	10
BL17041C	4645 Valais Court #1	0	0	4	10	0	0	10
BL17042C	4645 Valais Court #1	0	0	4	10	0	0	10
BL17043C	4645 Valais Court #1	0	0	5	10	0	0	10
BL17061C	4645 Valais Court #142	0	0	5	10	0	0	10
BL17037C	4640 Valais Court #205	0	0	5	10	0	0	10
BL20786C	4710 Weathervane Drive	0	0	5	10	0	0	10
BL20559C	11701 Fox Road #100	7	0	0	0	5	0	5
BL20787C	4765 Kimball Bridge Road	0	0	5	10	0	0	10
BL21251C	11643 Waterbury Lane	0	0	5	10	0	0	10

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL21253C	11623 Waterbury Lane	0	0	5	10	0	0	10
BL20788C	4795 Kimball Bridge Road	0	0	5	10	0	0	10
BL22707C	2850 Old Alabama Road	0	0	3	10	0	0	10
BL22708C	2850 Old Alabama Road	0	0	3	10	0	0	10
BL22254C	4709 Jordan Crossing	0	0	1	10	0	0	10
BL22261C	4836 Birchfield Way	0	0	5	10	0	0	10
BL22263C	11485 Cottonton Road	0	0	1	10	0	0	10
BL22697C	9875 Nesbit Ferry Road #E	0	0	5	10	0	0	10
BL22698C	9875 Nesbit Ferry Road #F	0	0	3	10	0	0	10
BL22239C	11550 Jones Bridge Road #1	0	0	5	10	0	0	10
BL22715C	9850 Nesbit Ferry Road #7	0	0	3	10	0	0	10
BL22717C	9850 Nesbit Ferry Road #7	0	0	5	10	0	0	10
BL22726C	9850 Nesbit Ferry Road #6	0	0	3	10	0	0	10
BL22746C	9850 Nesbit Ferry Road #6	0	0	3	10	0	0	10
BL22725C	9850 Nesbit Ferry Road #5	0	0	3	10	0	0	10
BL22723C	9850 Nesbit Ferry Road #4	0	0	3	10	0	0	10
BL22724C	9850 Nesbit Ferry Road #4	0	0	3	10	0	0	10
BL22727C	9850 Nesbit Ferry Road #1	0	0	4	10	0	0	10
BL22475C	4630 Valais Court	0	0	5	10	0	0	10
BL22240C	11550 Jones Bridge Road #4	0	0	5	10	0	0	10
BL22472C	2100 Ray Moss Connector #A-B	0	0	5	10	0	0	10
BL22474C	10950 State Bridge Road	0	0	5	10	0	0	10
BL22710C	9870 Nesbit Ferry Road	0	0	3	10	0	0	10
BL22711C	9870 Nesbit Ferry Road	0	0	3	10	0	0	10
BL22476C	4630 Valais Court	0	0	5	10	0	0	10
BL22477C	4630 Valais Court	0	0	5	10	0	0	10
BL22480C	10950 State Bridge Road #A-S	0	0	5	10	0	0	10
CR11822C	8605 Club Way #Rear	0	0	5	10	0	0	10
CR11815C	190 Brassy Court	0	0	5	10	0	0	10
CR11832C	8640 Niblick Drive	0	0	4	10	0	0	10
CR10739C	1000 Leadenhall Street	0	0	5	10	0	0	10
CR10705C	9075 Barkston Drive	0	0	5	10	0	0	10
CR10717C	1020 Bedford Gardens Drive	0	0	5	10	0	0	10
CR46337C	8970 Old Southwick Pass	0	0	5	10	0	0	10
CR10741C	8930 Old Southwick Pass	0	0	5	10	0	0	10
CR10728C	8915 Old Southwick Pass	0	0	5	10	0	0	10
CR10729C	8915 Old Southwick Pass	0	0	5	10	0	0	10
CR10721C	8885 Old Southwick Pass	0	0	5	10	0	0	10
CR12533C	9875 Rod Road	0	0	2	0	5	2	7
CR22784C	3235 Arbor Woods Drive	0	0	0	0	5	0	5
CR20360C	3235 Arbor Woods Drive	0	4	0	0	5	0	5
CR14486C	325 Willow Glade Point	0	0	4	10	0	0	10
CR20381C	4090 Falls Ridge Drive	0	0	0	0	5	0	5
CR22591C	3400 Old Alabama Road	0	0	5	10	0	0	10
CR22592C	3400 Old Alabama Road	0	0	5	10	0	0	10
CR22593C	3400 Old Alabama Road	0	0	5	10	0	0	10
CR22594C	3400 Old Alabama Road	0	0	5	10	0	0	10
CR22780C	740 Eider Down Court	0	0	5	10	0	0	10
CR22580C	9940 Jones Bridge Road	0	0	5	10	0	0	10
CR22581C	9940 Jones Bridge Road	0	0	5	10	0	0	10
CR14185C	402 Wales Drive	0	0	5	10	0	0	10
CR14186C	403 Wales Drive	0	0	5	10	0	0	10
CR14200C	2402 Grovehurst Drive	0	0	4	10	0	0	10
CR14190C	703 Grovehurst Drive	0	0	4	10	0	0	10
CR14191C	808 Grovehurst Drive	0	0	4	10	0	0	10
CR14192C	808 Grovehurst Drive	0	0	4	10	0	0	10
CR22573C	9946 Jones Bridge Road	0	0	4	10	0	0	10
BB40049C	12455 Stevens Creek Drive	7	0	0	0	5	0	5
CR47803C	9920 Jones Bridge Road	0	0	5	10	0	0	10
CR22573C.3	9930 Jones Bridge Road	0	0	4	10	0	0	10
CR47805C	9940 Jones Bridge Road	0	0	5	10	0	0	10
CR47804C	9950 Jones Bridge Road Suite 100	0	0	5	10	0	0	10
CR22573C.2	9946 Jones Bridge Road	0	0	4	10	0	0	10
CR22573C.1	9946 Jones Bridge Road	0	0	4	10	0	0	10
CR47787C	9950 Jones Bridge Road #100-1100	0	0	5	10	0	0	10
CR47786C	9950 Jones Bridge Road Suite 400	0	0	5	10	0	0	10
CR11822C.1	Club Way	0	0	4	10	0	0	10
BB40080C	12455 Stevens Creek Drive	7	0	0	0	5	0	5
CR47201C	10048 Parc Sky Circle	0	0	4	10	0	0	10

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR47195C	9985 Austry Vue Lane	0	0	4	10	0	0	10
BB19203C	11877 Jones Bridge Road	0	0	5	0	5	0	5
CR47202C	9981 Austry Vue Lane	0	0	4	10	0	0	10
CR47192C	9945 Jones Bridge Road #303	0	0	4	10	0	0	10
CR47193C	9945 Jones Bridge Road #303	0	0	4	10	0	0	10
CR47194C	9945 Jones Bridge Road #303	0	0	4	10	0	0	10
CR47199C	9945 Jones Bridge Road #303	0	0	4	10	0	0	10
CR47200C	9945 Jones Bridge Road #101-303	0	0	4	10	0	0	10
BB19204C	11875 Jones Bridge Road #A-I	0	0	5	0	5	0	5
CR47196C	9945 Jones Bridge Road #301	0	0	5	10	0	0	10
CR47197C	9945 Jones Bridge Road #301	0	0	5	10	0	0	10
CR47859C	10062 Parc Sky Circle	0	0	5	10	0	0	10
CR47860C	10062 Parc Sky Circle	0	0	5	10	0	0	10
CR47884C	600 Dartington Way	0	0	4	10	0	0	10
CR47885C	600 Dartington Way	0	0	4	10	0	0	10
CR47852C	9945 Jones Bridge Road #102	0	0	5	10	0	0	10
BL13043C	3240 Summer View Drive	0	0	5	10	5	2	17
BL13131C	2590 Runic Way	0	0	5	10	5	2	17
BL13130C	3495 Stillridge Drive	0	0	5	10	5	2	17
BL13129C	3455 Stillridge Drive	0	0	5	10	5	2	17
BL12975C	10396 Royal Terrace	0	0	5	10	5	2	17
CR11697C	795 Nile Drive	0	0	5	10	5	2	17
CR11701C	1235 Saint Lawrence Drive	0	0	5	10	5	2	17
CR11668C	3040 Rivermont Parkway	0	0	5	10	5	2	17
CR10098C	9865 Coventry Lane	0	0	5	10	5	2	17
CR10164C	230 Preston Oaks Drive	0	0	4	10	5	2	17
CR12397C	815 Kings Arms Way	0	0	5	10	5	2	17
CR12357C	425 Cortina Close	0	0	5	10	5	2	17
CR12365C	3060 Pillement Place	0	0	5	0	15	2	17
CR12454C	435 Prince Charles Place	0	0	4	0	15	2	17
CR12457C	9470 Dominion Way	0	0	5	10	5	2	17
CR12427C	3290 Lord N Lady Lane	0	0	5	10	5	2	17
CR12446C	3120 Hartridge Drive	0	0	4	10	5	2	17
CR12335C	3025 Abbottswell Drive	0	0	5	10	5	2	17
CR12504C	585 Saint Regis Lane	0	0	5	10	5	2	17
CR12507C	605 Saint Regis Lane	0	0	5	10	5	2	17
CR12588C	304 Hambledon Walk	0	0	5	0	15	2	17
CR12586C	712 Hambledon Bend	0	0	5	10	5	2	17
CR12656C	670 Saint Fillans Court	0	0	5	10	5	2	17
CR12640C	420 Cullen Copse	0	0	5	10	5	2	17
CR12481C	3230 Merganser Lane	0	0	5	10	5	2	17
CR12105C	425 Stoney Ridge Court	0	0	5	10	5	2	17
CR12717C	3750 Redcoat Way	0	0	5	10	5	2	17
CR12733C	3835 Redcoat Way	0	0	5	10	5	2	17
CR12742C	3755 Foxmoor Circle	0	0	5	10	5	2	17
CR12740C	3720 Hedgecliff Court	0	0	5	10	5	2	17
CR12685C	9830 Foxworth Drive	0	0	5	0	15	2	17
CR12574C	300 Old Sandhurst Station	0	0	4	0	15	2	17
CR22763C	9865 Coventry Lane	0	0	4	10	5	2	17
CR15719C	10310 Meadow Crest Lane	0	0	5	0	15	2	17
CR14380C	10405 High Falls Circle	0	0	5	10	5	2	17
CR14435C	100 Club Falls Drive	0	0	4	10	5	2	17
CR14428C	3840 Falls Landing Drive	0	0	5	10	5	2	17
CR14499C	9760 Austry Falls Drive	0	0	5	10	5	2	17
CR14514C	9760 Austry Falls Drive	0	0	5	10	5	2	17
CR14299C	9890 Austry Falls Drive	0	0	4	10	5	2	17
CR14300C	9890 Austry Falls Drive	0	0	4	0	15	2	17
CR14627C	10420 Oxford Mill Circle	0	0	4	10	5	2	17
CR19920C	9820 Nesbit Ferry Road	0	0	5	0	15	2	17
CR19947C	3580 Old Alabama Road	0	0	5	0	15	2	17
CR47153C	8806 Fairview Bluff	0	0	5	10	5	2	17
BL15832C	10690 Willow Meadow Circle	0	0	5	10	0	1	11
BL15833C	10690 Willow Meadow Circle	0	0	5	10	0	1	11
BL15838C	536 Willow Lookout	0	0	5	10	0	1	11
BL15882C	625 Edgehill Place	0	0	4	10	0	1	11
BL15883C	625 Edgehill Place	0	0	4	10	0	1	11
BL15736C	335 Olde Bridge Way	0	0	4	10	0	1	11
BL15737C	335 Olde Bridge Way	0	0	4	10	0	1	11
BL15760C	10590 Colony Glen Drive	0	0	5	10	0	1	11

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL15764C	10595 Colony Glen Drive	0	0	5	10	0	1	11
BL15768C	4105 Brooksbridge Crossing	0	0	4	10	0	1	11
BL17026C	305 Broken Lance Place	0	0	4	10	0	1	11
BL17022C	380 Broken Lance Place	0	0	4	10	0	1	11
BL17028C	430 Broken Lance Place	0	0	4	10	0	1	11
BL17029C	430 Broken Lance Place	0	0	4	10	0	1	11
BL18485C	11260 Amy Frances Lane	0	0	5	10	0	1	11
BL18450C	110 Jones Bridge Woods Place	0	0	5	10	0	1	11
BL18464C	11160 Rotherick Drive	0	0	4	10	0	1	11
BL18657C	235 Jones Bridge Place Circle	0	0	5	10	0	1	11
BL18652C	4890 Jones Bridge Place Drive	0	0	5	10	0	1	11
BL19248C	10155 Haynes Bridge Road	0	0	5	10	0	1	11
BL18681C	245 Frellig Trace	0	0	4	10	0	1	11
BL18682C	4635 Hampton Square Drive	0	0	4	10	0	1	11
BL18680C	4665 Hampton Square Drive	0	0	5	10	0	1	11
BL18686C	4705 Hampton Square Drive	0	0	5	10	0	1	11
BL18707C	4670 Weathervane Drive	0	0	5	10	0	1	11
BL18720C	4740 Weathervane Drive	0	0	5	10	0	1	11
BL20042C	11140 State Bridge Road	0	0	4	0	5	1	6
BL22562C	10315 Plantation Bridge Drive	0	0	5	10	0	1	11
BL22547C	10595 Colony Glen Drive	0	0	5	10	0	1	11
BL22530C	10855 Spotted Pony Trail	0	0	5	10	0	1	11
BL22529C	10865 Spotted Pony Trail	0	0	5	10	0	1	11
BL22251C	695 Kimball Parc Way	0	0	5	10	0	1	11
BL22252C	685 Kimball Parc Way	0	0	5	10	0	1	11
BL22546C	4070 Brooksbridge Crossing	0	0	5	10	0	1	11
CR12163C	3443 Holly Trail Lane	0	0	4	10	0	1	11
CR12164C	3443 Holly Trail Lane	0	0	5	10	0	1	11
CR12165C	3443 Holly Trail Lane	0	0	5	10	0	1	11
CR12415C	3455 Arbor Woods Drive	0	0	5	10	0	1	11
CR12452C	515 Argylls Crest	0	0	5	10	0	1	11
CR12402C	3220 Hartridge Drive	0	0	5	10	0	1	11
CR12594C	395 Guildhall Grove	0	0	5	10	0	1	11
CR12619C	210 Lochan Cove	0	0	4	10	0	1	11
CR12649C	640 Saint Fillans Court	0	0	3	10	0	1	11
CR12650C	665 Saint Fillans Court	0	0	4	10	0	1	11
CR12651C	655 Saint Fillans Court	0	0	4	10	0	1	11
CR12614C	3125 Kingshouse Commons	0	0	4	10	0	1	11
CR12620C	3230 Kingshouse Commons	0	0	4	10	0	1	11
CR12567C	9715 Rod Road	0	0	4	10	0	1	11
CR11949C	360 Rainbow Row Court	0	0	5	10	0	1	11
CR12417C	100 Knighthood Court	0	0	5	10	0	1	11
CR12569C	225 Rod Court	0	0	3	10	0	1	11
CR12568C	215 Rod Court	0	0	5	10	0	1	11
CR14461C	620 Nature Mill Way	0	0	4	10	0	1	11
CR14462C	620 Nature Mill Way	0	0	4	10	0	1	11
CR14482C	310 Willow Glade Point	0	0	5	10	0	1	11
CR14450C	4260 Falls Ridge Drive	0	0	4	10	0	1	11
CR14460C	4280 Falls Ridge Drive	0	0	5	10	0	1	11
CR14448C	115 Autry Mill Road	0	0	5	10	0	1	11
CR14449C	115 Autry Mill Road	0	0	4	10	0	1	11
CR47140C	3025 Leeds Garden Lane	0	0	5	10	0	1	11
BL12889C	10015 Haynes Bridge Road	0	0	5	0	5	0	5
BL20369C	10015 Haynes Bridge Road	0	0	1	0	5	0	5
BL20368C	20 Hemingbrough Way	0	0	1	0	5	0	5
CR11723C	3205 Rivermont Parkway	0	0	5	0	5	0	5
CR12057C	3395 Rivermont Parkway	0	0	5	10	0	3	13
CR12401C	9510 Dominion Way	0	0	0	0	5	0	5
CR14303C	9960 High Falls Pointe	0	0	4	0	5	0	5
CR12057C	3395 Rivermont Parkway	0	0	5	10	0	3	13
BL12831C	2910 Ivey Ridge Lane	0	0	3	10	5	1	16
BL12829C	2895 Ivey Ridge Lane	0	0	5	0	15	1	16
BL12826C	2940 Ivey Ridge Lane	0	0	5	0	15	1	16
BL12838C	210 Ivey Oaks Way	0	0	5	10	5	1	16
BL13039C	130 Summer Crest Court	0	0	5	10	5	1	16
BL13042C	3240 Summer View Drive	0	0	5	0	15	1	16
BL13041C	3380 Summer View Drive	0	0	5	10	5	1	16
BL13032C	10480 Summer Creek Drive	0	0	4	10	5	1	16
BL13031C	10470 Summer Creek Drive	0	0	5	10	5	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL13030C	10460 Summer Creek Drive	0	0	5	0	15	1	16
BL13029C	10420 Summer Creek Drive	0	0	5	10	5	1	16
BL13034C	10530 Summer Creek Drive	0	0	3	10	5	1	16
BL13027C	10425 Summer Creek Drive	0	0	5	10	5	1	16
BL13028C	10425 Summer Creek Drive	0	0	5	0	15	1	16
BL13022C	165 Pine Club Lane	0	0	5	0	15	1	16
BL13006C	10330 Virginia Pine Lane	0	0	5	10	5	1	16
BL13062C	300 Old Colonial Lane	0	0	5	0	15	1	16
BL13128C	3455 Stillridge Drive	0	0	5	0	15	1	16
BL13118C	335 Longmoor Way	0	0	5	10	5	1	16
BL13117C	235 Tawneywood Way	0	0	5	10	5	1	16
BL13106C	10025 Timberstone Road	0	0	5	10	5	1	16
BL13116C	10245 Timberstone Road	0	0	5	10	5	1	16
BL13120C	10380 Timberstone Road	0	0	5	10	5	1	16
BL13122C	10435 Timberstone Road	0	0	5	10	5	1	16
BL13135C	10585 Timberstone Road	0	0	5	0	15	1	16
BL13140C	10585 Timberstone Road	0	0	5	10	5	1	16
BL13136C	10615 Timberstone Road	0	0	5	0	15	1	16
BL13137C	10615 Timberstone Road	0	0	5	10	5	1	16
BL13125C	10480 Timberstone Road	0	0	5	10	5	1	16
BL13046C	3420 New Heritage Drive	0	0	5	10	5	1	16
BL13066C	3485 New Heritage Drive	0	0	5	0	15	1	16
BL13005C	10396 Royal Terrace	0	0	5	0	15	1	16
BL12983C	300 Wentworth Trail	0	0	5	0	15	1	16
BL13077C	9965 Feather Sound Court	0	0	5	0	15	1	16
BL13079C	9995 Feather Sound Court	0	0	5	10	5	1	16
BL13080C	10015 Feather Sound Court	0	0	5	10	5	1	16
BL13083C	10035 Feather Sound Court	0	0	4	10	5	1	16
BL13084C	10035 Feather Sound Court	0	0	5	10	5	1	16
BL13078C	10025 Feather Sound Court	0	0	5	10	5	1	16
BL13170C	600 Barston Lane	0	0	5	0	15	1	16
BL13167C	605 Barston Lane	0	0	4	0	15	1	16
BL13168C	605 Barston Lane	0	0	4	10	5	1	16
BL13171C	605 Barston Lane	0	0	5	0	15	1	16
BL13162C	300 Wyehwood Court	0	0	5	0	15	1	16
BL13163C	300 Wyehwood Court	0	0	5	10	5	1	16
BL13149C	440 Weatherend Court	0	0	5	10	5	1	16
BL13166C	9105 Brockham Way	0	0	5	10	5	1	16
BL13142C	9705 Breckenridge Close	0	0	5	10	5	1	16
BL13199C	555 Rosedown Way	0	0	5	10	5	1	16
BL13197C	550 Rosedown Way	0	0	5	0	15	1	16
BL13198C	550 Rosedown Way	0	0	5	10	5	1	16
BL13189C	940 Westwell Run	0	0	5	0	15	1	16
BL13190C	940 Westwell Run	0	0	5	10	5	1	16
BL13193C	975 Westwell Run	0	0	5	0	15	1	16
BL13196C	975 Westwell Run	0	0	5	10	5	1	16
BL13184C	3500 Patterstone Drive	0	0	5	0	15	1	16
BL13185C	3525 Patterstone Drive	0	0	5	0	15	1	16
BL13213C	3655 Patterstone Drive	0	0	5	0	15	1	16
BL13214C	9905 Barston Court	0	0	5	10	5	1	16
BL13215C	9905 Barston Court	0	0	4	10	5	1	16
BL13216C	9935 Barston Court	0	0	4	0	15	1	16
BL10201C	650 Crossbridge Alley	0	0	4	10	5	1	16
BL10209C	430 Ferryman Court	0	0	5	10	5	1	16
BL10202C	3490 Jones Ferry Lane	0	0	5	0	15	1	16
BL10203C	3345 Jones Ferry Lane	0	0	5	10	5	1	16
BL10194C	3750 Jones Ferry Lane	0	0	5	0	15	1	16
BL12845C	10050 Haynes Bridge Road	0	0	4	10	5	1	16
BL13026C	10405 Alvin Road	0	0	5	0	15	1	16
BL12934C	10065 Old Woodland Entry	0	0	5	10	5	1	16
BL12923C	10165 Piney Ridge Walk	0	0	5	0	15	1	16
BL13023C	175 Pine Club Lane	0	0	5	0	15	1	16
BL10218C	3570 Jones Ferry Lane	0	0	5	0	15	1	16
BL13160C	325 Wyehwood Court	0	0	5	10	5	1	16
BL21351C	9899 Brumbelow Road	0	0	5	0	15	1	16
BL19831C	300 Avebury Court	0	0	4	10	5	1	16
BL19849C	10950 Indian Village Drive	0	0	5	0	15	1	16
BL19925C	3150 Old Alabama Road	0	0	5	0	15	1	16
BL21166C	3150 Old Alabama Road	0	0	5	0	15	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL21347C	3150 Old Alabama Road	0	0	5	0	15	1	16
BL21350C	3286 Old Alabama Road	0	0	5	0	15	1	16
BL19931C	9925 Haynes Bridge Road #760	0	0	5	0	15	1	16
BL19926C	3165 Old Alabama Road	0	0	5	0	15	1	16
BL19927C	3165 Old Alabama Road	0	0	5	0	15	1	16
BL21168C	3165 Old Alabama Road	0	0	5	0	15	1	16
BL22587C	2560 Runic Way	0	0	5	10	5	1	16
BL22087C	10396 Royal Terrace	0	0	5	0	15	1	16
BL22590C	3525 Patterstone Drive	0	0	5	10	5	1	16
BL22669C	10155 Haynes Bridge Road	0	0	5	10	5	1	16
BL22199C	3280 Old Alabama Road #100-200	0	0	5	0	15	1	16
BL22670C	100 Forrest View Terrace	0	0	5	10	5	1	16
BL22607C	10315 Old Woodland Entry	0	0	5	0	15	1	16
BL22197C	9930 Anaheim Drive	0	0	5	0	15	1	16
BL22085C	10450 Haynes Bridge Road	0	0	5	0	15	1	16
BL22090C	10450 Haynes Bridge Road	0	0	5	0	15	1	16
BL22198C	3286 Old Alabama Road	0	0	5	0	15	1	16
CR11744C	405 N. Eagles Bluff	0	0	5	10	5	1	16
CR11748C	315 S. Eagles Bluff	0	0	5	10	5	1	16
CR11752C	120 S. Falcon Bluff	0	0	5	10	5	1	16
CR11756C	140 S. Falcon Bluff	0	0	5	10	5	1	16
CR11768C	8485 Colony Club Drive	0	0	5	10	5	1	16
CR11846C	8840 Niblick Drive	0	0	4	10	5	1	16
CR11847C	8840 Niblick Drive	0	0	5	10	5	1	16
CR11838C	8920 Niblick Drive	0	0	4	10	5	1	16
CR11825C	780 Olde Clubs Drive	0	0	5	10	5	1	16
CR11827C	710 Olde Clubs Drive	0	0	5	0	15	1	16
CR11828C	710 Olde Clubs Drive	0	0	5	10	5	1	16
CR11788C	135 Fairway Ridge Drive	0	0	5	10	5	1	16
CR11799C	190 Fairway Ridge Drive	0	0	5	10	5	1	16
CR11801C	210 Fairway Ridge Drive	0	0	5	10	5	1	16
CR11792C	315 Spyglass Bluff Drive	0	0	5	10	5	1	16
CR11795C	315 Spyglass Bluff Drive	0	0	5	10	5	1	16
CR11797C	360 Spyglass Bluff Drive	0	0	5	10	5	1	16
CR11789C	555 Matterhorn Way	0	0	5	10	5	1	16
CR11746C	300 S. Eagles Bluff	0	0	5	10	5	1	16
CR11666C	290 Rhine Drive	0	0	5	10	5	1	16
CR11674C	335 Elbe Drive	0	0	5	10	5	1	16
CR11686C	730 Nile Drive	0	0	5	10	5	1	16
CR11691C	771 Nile Drive	0	0	5	10	5	1	16
CR11670C	700 Nile Drive	0	0	5	10	5	1	16
CR11671C	710 Nile Drive	0	0	4	10	5	1	16
CR11687C	735 Nile Drive	0	0	4	10	5	1	16
CR11699C	610 Meuse Way	0	0	5	10	5	1	16
CR11710C	520 Niagara Circle	0	0	5	10	5	1	16
CR11678C	1195 Saint Lawrence Drive	0	0	5	10	5	1	16
CR11704C	1305 Saint Lawrence Drive	0	0	5	10	5	1	16
CR11713C	110 Ganges Court	0	0	5	10	5	1	16
CR11720C	355 Tigris Way	0	0	5	10	5	1	16
CR11712C	720 Rio Grande Drive	0	0	5	10	5	1	16
CR11716C	985 Yukon Drive	0	0	5	10	5	1	16
CR11717C	955 Yukon Drive	0	0	5	10	5	1	16
CR11677C	3060 Rivermont Parkway	0	0	5	10	5	1	16
CR11682C	3075 Rivermont Parkway	0	0	5	10	5	1	16
CR11727C	3135 Rivermont Parkway	0	0	5	10	5	1	16
CR11738C	8615 S. Mount Drive	0	0	5	10	5	1	16
CR10097C	9830 Coventry Lane	0	0	5	0	15	1	16
CR10102C	9890 Coventry Lane	0	0	5	10	5	1	16
CR10103C	9890 Coventry Lane	0	0	5	0	15	1	16
CR10099C	9875 Coventry Lane	0	0	5	0	15	1	16
CR10076C	310 Oak Alley Court	0	0	5	10	5	1	16
CR10073C	510 Oak Alley Way	0	0	5	10	5	1	16
CR10074C	535 Oak Alley Way	0	0	5	0	15	1	16
CR10075C	535 Oak Alley Way	0	0	5	10	5	1	16
CR10070C	595 Oak Alley Way	0	0	5	10	5	1	16
CR10069C	570 Oak Alley Way	0	0	5	0	15	1	16
CR10162C	235 Preston Oaks Drive	0	0	4	10	5	1	16
CR10163C	230 Preston Oaks Drive	0	0	4	0	15	1	16
CR11765C	310 Colony Cove	0	0	5	10	5	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR11837C	8965 Niblick Drive	0	0	5	10	5	1	16
CR10160C	675 S. Preston Court	0	0	5	10	5	1	16
CR12751C	9805 Talisman Drive	0	0	5	10	5	1	16
CR12757C	9805 Talisman Drive	0	0	5	0	15	1	16
CR12029C	480 Chimney Bluff	0	0	5	0	15	1	16
CR12030C	480 Chimney Bluff	0	0	5	10	5	1	16
CR12033C	530 Chimney Bluff	0	0	5	10	5	1	16
CR12014C	8565 Colony Club Drive	0	0	5	0	15	1	16
CR12255C	2995 Georgian Manor Drive	0	0	4	0	15	1	16
CR12256C	3005 Georgian Manor Drive	0	0	4	10	5	1	16
CR12253C	3000 Georgian Manor Drive	0	0	5	10	5	1	16
CR12254C	3000 Georgian Manor Drive	0	0	4	10	5	1	16
CR12252C	2985 Georgian Manor Drive	0	0	5	0	15	1	16
CR12341C	2820 Arbor Woods Drive	0	0	5	0	15	1	16
CR12342C	2835 Arbor Woods Drive	0	0	5	0	15	1	16
CR12218C	2865 Georgian Manor Drive	0	0	5	0	15	1	16
CR12219C	2865 Georgian Manor Drive	0	0	5	10	5	1	16
CR12221C	742 Ashley Glen Lane	0	0	5	0	15	1	16
CR12216C	811 Ashley Glen Lane	0	0	5	0	15	1	16
CR12229C	792 Ashley Glen Lane	0	0	5	10	5	1	16
CR12231C	9180 Mackinac Drive	0	0	5	0	15	1	16
CR12232C	9180 Mackinac Drive	0	0	5	0	15	1	16
CR12233C	9185 Mackinac Drive	0	0	5	0	15	1	16
CR12236C	9185 Mackinac Drive	0	0	4	0	15	1	16
CR12340C	115 Fox Grape Lane	0	0	5	0	15	1	16
CR12361C	645 Holyrood Way	0	0	5	10	5	1	16
CR12379C	645 Arboreal Court	0	0	5	0	15	1	16
CR12376C	3127 Arbor Woods Drive	0	0	5	0	15	1	16
CR12391C	3183 Arbor Woods Drive	0	0	3	0	15	1	16
CR12385C	3190 Arbor Woods Drive	0	0	5	0	15	1	16
CR12386C	3190 Arbor Woods Drive	0	0	5	0	15	1	16
CR12420C	3255 Arbor Woods Drive	0	0	5	10	5	1	16
CR12434C	3335 Arbor Woods Drive	0	0	5	0	15	1	16
CR12435C	3310 Arbor Woods Drive	0	0	5	10	5	1	16
CR12432C	3345 Arbor Woods Drive	0	0	5	10	5	1	16
CR12433C	3345 Arbor Woods Drive	0	0	5	10	5	1	16
CR12431C	3280 Arbor Woods Drive	0	0	5	0	15	1	16
CR12407C	220 Meissen Court	0	0	5	10	5	1	16
CR12448C	3120 Hartridge Drive	0	0	3	0	15	1	16
CR12442C	3090 Hartridge Drive	0	0	5	0	15	1	16
CR12449C	3125 Hartridge Drive	0	0	3	10	5	1	16
CR12405C	3190 Hartridge Drive	0	0	5	0	15	1	16
CR12316C	2740 Abbottswell Drive	0	0	5	10	5	1	16
CR12328C	2870 Abbottswell Drive	0	0	5	10	5	1	16
CR12503C	200 Vidaulan Court	0	0	4	0	15	1	16
CR12511C	630 Saint Regis Lane	0	0	5	10	5	1	16
CR12513C	660 Saint Regis Lane	0	0	5	0	15	1	16
CR12510C	635 Saint Regis Lane	0	0	5	0	15	1	16
CR12509C	610 Saint Regis Lane	0	0	4	10	5	1	16
CR12491C	625 Saint Regis Lane	0	0	5	0	15	1	16
CR12499C	550 Saint Regis Lane	0	0	5	10	5	1	16
CR12500C	550 Saint Regis Lane	0	0	5	0	15	1	16
CR12494C	405 Saint Regis Drive	0	0	5	10	5	1	16
CR12495C	405 Saint Regis Drive	0	0	5	0	15	1	16
CR12516C	450 Saint Regis Drive	0	0	5	10	5	1	16
CR12518C	520 Saint Regis Drive	0	0	5	0	15	1	16
CR12519C	530 Saint Regis Drive	0	0	5	10	5	1	16
CR12517C	505 Saint Regis Drive	0	0	5	0	15	1	16
CR12515C	445 Saint Regis Drive	0	0	5	0	15	1	16
CR12580C	702 Hambleton Bend	0	0	5	0	15	1	16
CR12584C	702 Hambleton Bend	0	0	5	10	5	1	16
CR12587C	752 Hambleton Bend	0	0	5	0	15	1	16
CR12585C	731 Hambleton Bend	0	0	5	0	15	1	16
CR12563C	115 Old Sandhurst Landing	0	0	3	0	15	1	16
CR12592C	395 Guildhall Grove	0	0	5	0	15	1	16
CR12553C	425 Guildhall Grove	0	0	5	0	15	1	16
CR12646C	650 Saint Fillans Court	0	0	4	0	15	1	16
CR12655C	670 Saint Fillans Court	0	0	5	0	15	1	16
CR12643C	425 Cullen Copse	0	0	5	0	15	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR12622C	3230 Kingshouse Commons	0	0	4	0	15	1	16
CR12627C	3225 Kingshouse Commons	0	0	5	0	15	1	16
CR12623C	3195 Kingshouse Commons	0	0	5	0	15	1	16
CR12482C	710 Eider Down Court	0	0	5	0	15	1	16
CR12468C	3331 Mallard Lake Place	0	0	5	10	5	1	16
CR12467C	3341 Mallard Lake Place	0	0	5	0	15	1	16
CR12466C	3332 Mallard Lake Place	0	0	5	10	5	1	16
CR12480C	3230 Merganser Lane	0	0	5	0	15	1	16
CR12462C	3310 Merganser Lane	0	0	5	10	5	1	16
CR12463C	3310 Merganser Lane	0	0	5	0	15	1	16
CR12488C	3510 Merganser Lane	0	0	5	0	15	1	16
CR12486C	3470 Merganser Lane	0	0	5	0	15	1	16
CR12541C	3050 Leeds Garden Lane	0	0	4	0	15	1	16
CR12599C	9520 Rod Road	0	0	5	0	15	1	16
CR12565C	9715 Rod Road	0	0	4	0	15	1	16
CR12575C	9740 Rod Road	0	0	5	0	15	1	16
CR12678C	3303 Jamont Boulevard	0	0	5	10	5	1	16
CR12182C	3155 Park Chase	0	0	5	0	15	1	16
CR12178C	3130 Park Chase	0	0	5	0	15	1	16
CR11950C	320 Rainbow Row Court	0	0	5	10	5	1	16
CR11951C	320 Rainbow Row Court	0	0	5	0	15	1	16
CR11943C	380 Rainbow Row Court	0	0	5	0	15	1	16
CR11944C	380 Rainbow Row Court	0	0	5	10	5	1	16
CR11960C	160 Stoney Ridge Drive	0	0	5	0	15	1	16
CR11956C	215 Stoney Ridge Drive	0	0	5	0	15	1	16
CR11963C	9265 Stoney Ridge Lane	0	0	5	0	15	1	16
CR11971C	9345 Stoney Ridge Lane	0	0	5	0	15	1	16
CR11974C	9375 Stoney Ridge Lane	0	0	5	0	15	1	16
CR11972C	9330 Stoney Ridge Lane	0	0	5	10	5	1	16
CR11976C	9400 Stoney Ridge Lane	0	0	5	0	15	1	16
CR11977C	9400 Stoney Ridge Lane	0	0	5	10	5	1	16
CR11981C	9525 Stoney Ridge Lane	0	0	5	0	15	1	16
CR11987C	9535 Stoney Ridge Lane	0	0	5	0	15	1	16
CR11980C	9485 Stoney Ridge Lane	0	0	5	0	15	1	16
CR12102C	9605 Stoney Ridge Lane	0	0	5	0	15	1	16
CR12104C	9580 Stoney Ridge Lane	0	0	5	10	5	1	16
CR11989C	450 Stoney Ridge Court	0	0	5	0	15	1	16
CR11990C	470 Stoney Ridge Court	0	0	4	0	15	1	16
CR12711C	3765 Redcoat Way	0	0	5	0	15	1	16
CR12714C	3765 Redcoat Way	0	0	3	0	15	1	16
CR12716C	3745 Redcoat Way	0	0	5	0	15	1	16
CR12723C	3805 Redcoat Way	0	0	5	0	15	1	16
CR12729C	3805 Redcoat Way	0	0	5	10	5	1	16
CR12735C	3840 Redcoat Way	0	0	4	10	5	1	16
CR12730C	205 Foxworth Chase	0	0	4	0	15	1	16
CR12706C	3755 Foxmoor Circle	0	0	5	0	15	1	16
CR12738C	3730 Hedgecliff Court	0	0	5	0	15	1	16
CR12686C	9825 Foxworth Drive	0	0	5	0	15	1	16
CR12788C	9759 Talisman Drive	0	0	5	0	15	1	16
CR12758C	9806 Talisman Drive	0	0	5	0	15	1	16
CR12770C	9822 Talisman Drive	0	0	5	0	15	1	16
CR12768C	9802 Talisman Drive	0	0	5	10	5	1	16
CR12767C	9842 Talisman Drive	0	0	5	0	15	1	16
CR12759C	9854 Talisman Drive	0	0	4	10	5	1	16
CR12760C	9854 Talisman Drive	0	0	4	0	15	1	16
CR12771C	9854 Talisman Drive	0	0	4	10	5	1	16
CR12784C	9870 Talisman Drive	0	0	5	0	15	1	16
CR12787C	9866 Talisman Drive	0	0	5	0	15	1	16
CR12793C	9882 Talisman Drive	0	0	5	10	5	1	16
CR11947C	740 Eider Down Court	0	0	5	10	5	1	16
CR12629C	3235 Kingshouse Commons	0	0	5	0	15	1	16
CR12180C	105 River Point Court	0	0	5	0	15	1	16
CR12174C	3090 Park Chase	0	0	5	0	15	1	16
CR12176C	205 Ridge Point Court	0	0	5	0	15	1	16
CR12795C	9798 Almaviva Drive	0	0	5	10	5	1	16
CR22785C	3295 Arbor Woods Drive	0	0	5	10	5	1	16
CR22786C	3295 Arbor Woods Drive	0	0	5	10	5	1	16
CR22775C	3310 Merganser Lane	0	0	5	10	5	1	16
CR21169C	9900 Timberstone Road	0	0	5	0	15	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR21225C	9825 Foxworth Drive	0	0	5	0	15	1	16
CR15721C	10315 Meadow Crest Lane	0	0	5	0	15	1	16
CR15718C	10320 Meadow Crest Lane	0	0	5	0	15	1	16
CR15720C	10295 Meadow Crest Lane	0	0	5	0	15	1	16
CR15723C	10295 Meadow Crest Lane	0	0	5	0	15	1	16
CR14388C	10325 High Falls Circle	0	0	5	10	5	1	16
CR14364C	10315 High Falls Circle	0	0	5	10	5	1	16
CR14365C	10315 High Falls Circle	0	0	5	10	5	1	16
CR14362C	10305 High Falls Circle	0	0	4	0	15	1	16
CR14379C	10405 High Falls Circle	0	0	5	0	15	1	16
CR14375C	10345 High Falls Circle	0	0	5	0	15	1	16
CR14385C	100 Pine Mist Circle	0	0	5	0	15	1	16
CR14383C	725 Pine Leaf Court	0	0	5	0	15	1	16
CR14393C	10190 High Falls Pointe	0	0	5	0	15	1	16
CR14394C	10190 High Falls Pointe	0	0	5	0	15	1	16
CR14358C	355 Broad Leaf Court	0	0	5	10	5	1	16
CR14360C	305 Broad Leaf Court	0	0	5	0	15	1	16
CR14400C	10185 High Falls Pointe	0	0	5	0	15	1	16
CR14401C	10185 High Falls Pointe	0	0	5	10	5	1	16
CR14320C	130 Silver Mist Circle	0	0	5	10	5	1	16
CR14339C	540 Falls Watch Circle	0	0	5	10	5	1	16
CR14322C	340 Waters Bend Way	0	0	5	0	15	1	16
CR14325C	390 Waters Bend Way	0	0	5	10	5	1	16
CR14415C	720 Falls Landing Court	0	0	4	10	5	1	16
CR14416C	720 Falls Landing Court	0	0	5	0	15	1	16
CR14418C	720 Falls Landing Court	0	0	4	0	15	1	16
CR14419C	755 Falls Landing Court	0	0	4	10	5	1	16
CR14433C	100 Club Falls Drive	0	0	4	0	15	1	16
CR21236C	130 Club Falls Drive	0	0	5	0	15	1	16
CR14427C	3855 Falls Landing Drive	0	0	5	0	15	1	16
CR14492C	430 Autry Mill Circle	0	0	5	10	5	1	16
CR14494C	435 Autry Mill Circle	0	0	5	10	5	1	16
CR21237C	445 Autry Mill Circle	0	0	5	0	15	1	16
CR14501C	310 Windlake Court	0	0	5	10	5	1	16
CR14508C	9785 Autry Falls Drive	0	0	5	10	5	1	16
CR14510C	9730 Autry Falls Drive	0	0	5	0	15	1	16
CR14513C	9760 Autry Falls Drive	0	0	5	0	15	1	16
CR14424C	9860 Autry Falls Drive	0	0	5	0	15	1	16
CR14472C	820 Falls Point Circle	0	0	5	10	5	1	16
CR14473C	815 Falls Point Circle	0	0	5	0	15	1	16
CR14474C	815 Falls Point Circle	0	0	5	10	5	1	16
CR14547C	10000 Nature Mill Road	0	0	5	0	15	1	16
CR14548C	10000 Nature Mill Road	0	0	5	10	5	1	16
CR14454C	445 Autry Ridge Point	0	0	5	10	5	1	16
CR14456C	310 Falls Ridge Cove	0	0	5	0	15	1	16
CR14457C	310 Falls Ridge Cove	0	0	5	0	15	1	16
CR14458C	310 Falls Ridge Cove	0	0	4	10	5	1	16
CR14347C	660 Falls Lake Drive	0	0	4	10	5	1	16
CR14348C	650 Falls Lake Drive	0	0	4	0	15	1	16
CR14341C	610 Falls Lake Drive	0	0	4	10	5	1	16
CR14342C	610 Falls Lake Drive	0	0	4	0	15	1	16
CR14349C	665 Falls Lake Drive	0	0	4	10	5	1	16
CR14313C	4000 Falls Ridge Drive	0	0	4	0	15	1	16
CR14314C	3995 Falls Ridge Drive	0	0	4	10	5	1	16
CR21761C	4160 Falls Ridge Drive	0	0	5	10	5	1	16
CR21760C	4145 Falls Ridge Drive	0	0	5	0	15	1	16
CR14546C	4205 Falls Ridge Drive	0	0	5	0	15	1	16
CR14446C	115 Autry Mill Road	0	0	5	0	15	1	16
CR14643C	905 Tresillian Court	0	0	5	10	5	1	16
CR21748C	905 Tresillian Court	0	0	5	0	15	1	16
CR18532C	545 Dartington Way	0	0	4	10	5	1	16
CR14644C	510 Dartington Way	0	0	5	0	15	1	16
CR14645C	510 Dartington Way	0	0	4	10	5	1	16
CR18521C	590 Dartington Way	0	0	5	0	15	1	16
CR18522C	590 Dartington Way	0	0	5	10	5	1	16
CR14634C	115 Keswick Way	0	0	5	0	15	1	16
CR14635C	130 Keswick Way	0	0	5	10	5	1	16
CR18548C	205 Eden Bridge Place	0	0	5	0	15	1	16
CR18546C	210 Eden Bridge Place	0	0	5	10	5	1	16

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR18547C	210 Eden Bridge Place	0	0	5	10	5	1	16
CR18549C	4430 Burgess Hill Lane	0	0	5	10	5	1	16
CR18557C	4480 Burgess Hill Lane	0	0	5	10	5	1	16
CR18558C	4490 Burgess Hill Lane	0	0	5	0	15	1	16
CR18555C	4455 Burgess Hill Lane	0	0	4	10	5	1	16
CR18559C	4525 Burgess Hill Lane	0	0	5	10	5	1	16
CR18561C	910 Bishopswood Place	0	0	5	10	5	1	16
CR18562C	920 Bishopswood Place	0	0	5	0	15	1	16
CR18564C	925 Bishopswood Place	0	0	5	0	15	1	16
CR18538C	10115 Oxford Mill Drive	0	0	5	0	15	1	16
CR14595C	10205 Oxford Mill Drive	0	0	5	10	5	1	16
CR14593C	10195 Oxford Mill Drive	0	0	5	0	15	1	16
CR14588C	10265 Oxford Mill Circle	0	0	5	0	15	1	16
CR14607C	10295 Brier Mill Ct	0	0	3	0	15	1	16
CR14606C	10325 Oxford Mill Circle	0	0	3	10	5	1	16
CR14638C	10480 Oxford Mill Circle	0	0	5	0	15	1	16
CR14641C	10520 Oxford Mill Circle	0	0	5	0	15	1	16
CR14642C	10535 Oxford Mill Circle	0	0	5	10	5	1	16
CR14637C	10495 Oxford Mill Circle	0	0	5	10	5	1	16
CR14650C	10590 Oxford Mill Circle	0	0	5	0	15	1	16
CR14647C	10585 Oxford Mill Circle	0	0	5	0	15	1	16
CR21345C	9115 Brumbelow Road	0	0	5	0	15	1	16
CR22794C	9300 Brumbelow Road	0	0	5	10	5	1	16
CR22789C	9320 Brumbelow Road	0	0	5	0	15	1	16
CR22792C	9310 Brumbelow Road	0	0	5	10	5	1	16
CR21170C	3340 Old Alabama Road	0	0	5	0	15	1	16
CR21173C	3415 Old Alabama Road	0	0	5	0	15	1	16
CR19922C	3655 Old Alabama Road	0	0	5	0	15	1	16
CR19923C	3700 Old Alabama Road	0	0	5	0	15	1	16
CR21281C	3700 Old Alabama Road	0	0	5	0	15	1	16
CR21282C	3700 Old Alabama Road	0	0	5	0	15	1	16
CR22183C	3700 Old Alabama Road	0	0	5	0	15	1	16
CR21163C	4100 Old Alabama Road	0	0	5	0	15	1	16
CR19782C	9920 Jones Bridge Road	0	0	3	0	15	1	16
CR21280C	9920 Jones Bridge Road	0	0	5	0	15	1	16
CR19029C	209 Saint Andrews Court	0	0	5	10	5	1	16
CR20102C	10280 Buice Road	0	0	5	0	15	1	16
CR19800C	303 Brittingham Court	0	0	5	0	15	1	16
CR19801C	303 Brittingham Court	0	0	5	0	15	1	16
CR20093C	10325 Atry Place	0	0	5	0	15	1	16
CR20095C	10335 Atry Place	0	0	5	0	15	1	16
CR20096C	10335 Atry Place	0	0	4	0	15	1	16
CR20107C	4368 Atry Way	0	0	5	0	15	1	16
CR20105C	4369 Atry Way	0	0	5	0	15	1	16
CR21177C	3565 Old Alabama Road	0	0	5	0	15	1	16
CR14500C	9720 Atry Falls Drive	0	0	5	10	5	1	16
CR47141C	3175 Rivermont Parkway	0	0	5	10	5	1	16
CR47809C	115 Fox Grape Lane	0	0	5	10	5	1	16
CR47104C	10195 Atry Mill Road	0	0	5	0	15	1	16
CR47106C	10195 Atry Mill Road	0	0	5	0	15	1	16
CR47103C	175 Atry Trail	0	0	5	10	5	1	16
CR47158C	310 Colony Cove	0	0	5	0	15	1	16
CR47108C	10365 Atry Place	0	0	5	0	15	1	16
CR47107C	10370 Atry Place	0	0	5	0	15	1	16
CR47848C	3655 Old Alabama Road	0	0	5	0	15	1	16
BL12832C	3060 Ivey Oaks Lane	0	0	5	0	15	0	15
BL15799C	120 Willow View Point	0	0	5	10	0	0	10
BL15853C	4275 Noor View Court	0	0	5	10	0	0	10
BL12903C	31 Hemingbrough Way	0	0	5	10	5	0	15
BL12882C	34 Hemingbrough Way	0	0	5	0	15	0	15
BL12883C	34 Hemingbrough Way	0	0	5	0	15	0	15
BL12895C	45 Hemingbrough Way	0	0	5	0	15	0	15
BL12896C	45 Hemingbrough Way	0	0	5	10	5	0	15
BL12894C	11 Hemingbrough Way	0	0	5	10	5	0	15
BL12880C	22 Hemingbrough Way	0	0	5	0	15	0	15
BL12876C	16 Hemingbrough Way	0	0	5	10	5	0	15
BL12877C	16 Hemingbrough Way	0	0	5	0	15	0	15
BL13017C	205 Pine Club Lane	0	0	5	10	0	0	10
BL15834C	512 Willow Lookout	0	0	5	10	0	0	10

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL16998C	225 Braided Blanket Bluff	0	0	4	10	0	0	10
BL18601C	325 Creekside Drive	0	0	5	10	0	0	10
BL18467C	155 Arborfield Way	0	0	5	10	0	0	10
BL16887C	4645 Valais Court #8	0	0	4	10	0	0	10
BL17046C	4645 Valais Court #82	0	0	5	10	0	0	10
BL17049C	4645 Valais Court #102	0	0	4	10	0	0	10
BL17060C	4645 Valais Court #150	0	0	5	10	0	0	10
BL16869C	32108 Harvest Ridge Lane	0	0	5	10	0	0	10
BL16882C	32108 Harvest Ridge Lane	0	0	5	10	0	0	10
BL17038C	4640 Valais Court #200	0	0	3	10	0	0	10
BL19857C	115 Pine Club Lane	0	0	5	0	5	1	10
BL18733C	1186 Composer Lane	0	0	3	10	0	0	10
BL18738C	1195 Composer Lane	0	0	5	10	0	0	10
BL18739C	1195 Composer Lane	0	0	5	10	0	0	10
BL18654C	4835 Jones Bridge Place Drive	0	0	5	0	5	1	10
BL21432C	11110 State Bridge Road	0	0	5	10	0	0	10
BL21438C	11110 State Bridge Road	0	0	5	10	0	0	10
BL21440C	11110 State Bridge Road	0	0	2	10	0	0	10
BL21441C	11110 State Bridge Road	0	0	2	10	0	0	10
BL21443C	11110 State Bridge Road	0	0	3	10	0	0	10
BL21444C	11110 State Bridge Road	0	0	2	10	0	0	10
BL21445C	11110 State Bridge Road	0	0	2	10	0	0	10
BL21447C	11110 State Bridge Road	0	0	2	10	0	0	10
BL22522C	280 Broken Lance Place	0	0	0	10	5	0	10
BL22257C	4709 Jordan Crossing	0	0	5	10	0	0	10
BL22258C	4644 Fountain Bleau Court	0	0	5	10	0	0	10
BL22259C	4644 Fountain Bleau Court	0	0	5	10	0	0	10
BL22282C	4806 Birchfield Way	0	0	5	10	0	0	10
BL22283C	4813 Birchfield Way	0	0	5	10	0	0	10
BL22285C	4813 Birchfield Way	0	0	5	10	0	0	10
BL22659C	32 Hemingbrough Way	7	0	0	0	15	0	15
BL22662C	4 Hemingbrough Way	0	0	5	0	15	0	15
BL22463C	14108 Harvest Ridge Lane	0	0	5	10	0	0	10
BL22479C	4640 Valais Court #100-205	0	0	5	10	0	0	10
BL22481C	10920 State Bridge Road	0	0	5	10	0	0	10
BL22482C	10920 State Bridge Road	0	0	3	10	0	0	10
BL22484C	10920 State Bridge Road	0	0	3	10	0	0	10
BL22485C	10920 State Bridge Road	0	0	5	10	0	0	10
BL22540C	10800 Jones Bridge Road #F	0	0	5	10	0	0	10
BL22444C	11145 State Bridge Road	0	0	5	10	0	0	10
BL22486C	10945 State Bridge Road #503	0	0	5	10	0	0	10
BL22344C	11195 State Bridge Road	0	0	5	10	0	0	10
BL22338C	11250 State Bridge Road	0	0	5	10	0	0	10
BL22319C	4375 Kimball Bridge Road	0	0	5	10	0	0	10
BL22312C	4385 Kimball Bridge Road #100	0	0	5	10	0	0	10
BL22539C	10800 Jones Bridge Road #E	0	0	5	10	0	0	10
BL22542C	10800 Jones Bridge Road #E	0	0	5	10	0	0	10
BL22538C	10800 Jones Bridge Road #C	0	0	5	10	0	0	10
BL22478C	4630 Valais Court	0	0	5	10	0	0	10
CR10332C	920 Hurlleston Lane	0	0	5	10	0	0	10
CR10967C	1020 Lonsdale Court	0	0	5	10	0	0	10
CR10809C	4065 Merriweather Woods	0	0	5	10	0	0	10
CR10811C	4065 Merriweather Woods	0	0	4	10	0	0	10
CR10769C	1120 Kensington Court	0	0	5	10	0	0	10
CR10776C	1001 Abingdon Lane	0	0	4	10	0	0	10
CR10820C	1000 Featherstone Road	0	0	5	10	0	0	10
CR10808C	6015 Carlisle Lane	0	0	5	10	0	0	10
CR10810C	6015 Carlisle Lane	0	0	5	10	0	0	10
CR10806C	6010 Carlisle Lane	0	0	5	10	0	0	10
CR10963C	1007 Cherbury Lane	0	0	5	10	0	0	10
CR10261C	4350 Bancroft Valley	0	0	5	10	0	0	10
CR10734C	1240 Stuart Ridge	0	0	5	10	0	0	10
CR10329C	4055 Deverell Street	0	0	5	10	0	0	10
CR10338C	4085 Brixham Way	0	0	5	10	0	0	10
CR10325C	4055 Brixham Way	0	0	5	10	0	0	10
CR10320C	950 Tiverton Lane	0	0	5	10	0	0	10
CR10323C	950 Tiverton Lane	0	0	5	10	0	0	10
CR10858C	2030 Northwick Pass Way	0	0	5	10	0	0	10
CR10331C	9075 Old Southwick Pass	0	0	5	10	0	0	10

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR10298C	9190 Old Southwick Pass	0	0	5	10	0	0	10
CR11679C	600 Meuse Way	0	0	5	0	15	0	15
CR11680C	610 Meuse Way	0	0	5	0	15	0	15
CR12065C	3395 Rivermont Parkway	0	0	5	10	0	2	12
CR12572C	115 Old Sandhurst Landing	0	0	4	10	0	0	10
CR12571C	9695 Rod Road	0	0	4	10	0	0	10
CR12537C	9850 Rod Road	0	0	4	10	0	0	10
CR12538C	9860 Rod Road	0	0	4	10	0	0	10
CR12745C	3715 Foxmoor Circle	0	0	5	10	5	0	15
CR12746C	3715 Foxmoor Circle	0	0	5	10	5	0	15
CR12556C	155 Old Sandhurst Landing	0	0	5	10	0	0	10
CR12570C	215 Rod Court	0	0	4	10	0	0	10
CR21229C	3589 Old Maple Drive	0	0	5	0	15	0	15
CR19121C	3695 Hedgecliff Court	0	0	5	0	15	0	15
CR21179C	10051 Carrington Lane	0	0	5	0	15	0	15
CR21187C	130 Club Falls Drive	0	0	5	0	15	0	15
CR14292C	445 Autry Mill Circle	0	0	5	0	15	0	15
CR19921C	3415 Old Alabama Road	0	0	5	0	15	0	15
CR13233C	3655 Old Alabama Road	0	0	5	0	15	0	15
CR21164C	4100 Old Alabama Road	0	0	5	0	15	0	15
CR13232C	3601 Old Maple Drive	0	0	5	0	15	0	15
CR20801C	3280 Old Alabama Road #100	0	0	5	10	0	0	10
CR20802C	3280 Old Alabama Road #200	0	0	5	10	0	0	10
CR20803C	3280 Old Alabama Road #200	0	0	5	10	0	0	10
CR20804C	3280 Old Alabama Road #200	0	0	5	10	0	0	10
CR20805C	3280 Old Alabama Road #200	0	0	5	10	0	0	10
CR13144C	3580 Old Alabama Road	0	0	5	0	15	0	15
CR19088C	9700 Brumbelow Road	0	0	5	0	5	1	6
CR19122C	298 Landing Entry	0	0	4	0	15	0	15
CR19123C	298 Landing Entry	0	0	5	0	15	0	15
CR19124C	298 Landing Entry	0	0	3	0	15	0	15
CR19125C	298 Landing Entry	0	0	5	0	15	0	15
CR22201C	298 Landing Entry	0	0	5	0	15	0	15
CR22202C	298 Landing Entry	0	0	5	0	15	0	15
BB40070C	11950 Jones Bridge Road #114B	0	0	4	10	0	0	10
CR47165C	108 Hawkstone Way	0	0	5	10	0	0	10
CR47166C	104 Hawkstone Way	0	0	5	10	0	0	10
CR47162C	702 Cypress Pointe Street	0	0	5	10	0	0	10
BB17669C	135 Hydrangea Court	0	0	5	10	0	0	10
CR47138C	2145 Northwick Pass Way	0	0	5	10	0	0	10
CR47167C	508 Cypress Pointe Street	0	0	5	10	0	0	10
CR47168C	508 Cypress Pointe Street	0	0	5	10	0	0	10
CR47161C	718 Cypress Pointe Street	0	0	5	10	0	0	10
CR47163C	718 Cypress Pointe Street	0	0	5	10	0	0	10
CR47164C	202 Saint Andrews Court	0	0	5	10	0	0	10
CR47128C	9375 Barnwell Road	0	0	5	10	0	0	10
CR47129C	9375 Barnwell Road	0	0	5	10	0	0	10
CR47132C	9375 Barnwell Road	0	0	4	10	0	0	10
CR47134C	9375 Barnwell Road	0	0	5	10	0	0	10
CR47135C	9375 Barnwell Road	0	0	4	10	0	0	10
BB40071C	11950 Jones Bridge Road #114B	0	0	5	10	0	0	10
BB40029C	11758 Jones Bridge Road	0	0	1	10	0	0	10
BB40031C	11758 Jones Bridge Road	0	0	1	10	0	0	10
BB40022C	11758 Jones Bridge Road	0	0	1	10	0	0	10
BB40017C	11758 Jones Bridge Road	0	0	1	10	0	0	10
BB40018C	11758 Jones Bridge Road	0	0	1	10	0	0	10
CR47875C	1225 Stuart Ridge	0	0	5	10	0	0	10
CR47870C	3700 Old Alabama Road	0	0	5	0	15	0	15
BL23218C	3315 Switchbark Lane	0	0	0	0	15	0	15
CR21926C	655 Arboreal Court	0	0	5	10	0	4	14
CR14356C	520 Harbour Gate Circle	0	0	5	0	5	2	7
CR14500C.1	9720 Autry Falls Drive	0	0	5	10	0	4	14
BL20037C	11140 State Bridge Road	0	0	5	0	5	0	5
CR47792C	3450 Rivermont Parkway	0	0	5	10	0	1	11
CR11774C	260 Mount Ranier Way	0	0	5	10	0	1	11
CR11933C	285 Hepplewhite Drive	0	0	5	10	0	1	11
CR11851C	585 Kings Peak	0	0	5	10	0	1	11
CR11868C	420 Longs Peak	0	0	5	10	0	1	11
CR11861C	325 N. Peak Drive	0	0	5	10	0	1	11

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR11858C	370 N. Peak Drive	0	0	5	10	0	1	11
CR12066C	3395 Rivermont Parkway	0	0	4	10	0	1	11
CR12074C	8760 S. Mount Drive	0	0	5	10	0	1	11
CR12046C	540 Mount Everest Way	0	0	5	10	0	1	11
CR12051C	45 Mount Whitney Place	0	0	5	10	0	1	11
CR12048C	8850 N. Mount Drive	0	0	5	10	0	1	11
CR12053C	8900 N. Mount Drive	0	0	5	10	0	1	11
CR11937C	410 Whitesmith Way	0	0	5	10	0	1	11
CR11973C	9330 Stoney Ridge Lane	0	0	5	10	0	1	11
CR20364C	9610 Rod Road	0	0	0	0	5	0	5
CR22782C	370 Rainbow Row Court	0	0	5	10	0	1	11
CR14518C	165 Windlake Cove	0	0	5	10	0	1	11
CR14331C	9825 Austry Falls Drive	0	0	4	10	0	1	11
CR14332C	9825 Austry Falls Drive	0	0	4	10	0	1	11
CR20379C.1	9835 Austry Falls Drive	0	0	0	0	5	0	5
CR14475C	365 Falls Point Trail	0	0	5	10	0	1	11
CR14345C	660 Falls Lake Drive	0	0	4	10	0	1	11
CR14346C	660 Falls Lake Drive	0	0	4	10	0	1	11
CR14476C	660 Falls Lake Drive	0	0	5	10	0	1	11
CR20379C	9835 Austry Falls Drive	0	0	0	0	5	0	5
CR11894C.1	3540 Aubusson Trace	0	0	4	10	0	1	11
CR47807C	3635 Aubusson Trace	0	0	5	10	0	1	11
CR12583C	702 Hambledon Bend	0	0	5	0	5	1	6
CR18537C	10105 Oxford Mill Drive	0	0	5	0	5	1	6
CR21165C	4110 Old Alabama Road	0	0	5	0	5	1	6
CR19933C	9800 Brumbelow Road	0	0	5	0	5	1	6
CR11757C	315 S. Eagles Bluff	0	0	5	10	0	3	13
CR14605C	10307 Oxford Mill Circle	0	0	5	10	0	3	13
BL11767C	2656 Long Pointe	0	0	3	10	0	0	10
BL12852C	302 Magnolia Grove	0	0	2	10	0	0	10
BL12858C	302 Magnolia Grove	0	0	2	10	0	0	10
BL12859C	303 Magnolia Grove	0	0	2	10	0	0	10
BL12861C	308 Magnolia Grove	0	0	5	10	0	0	10
BL12864C	209 Magnolia Grove	0	0	5	10	0	0	10
BL12849C	102 Magnolia Grove	0	0	5	10	0	0	10
BL12857C	102 Magnolia Grove	0	0	2	10	0	0	10
BL12855C	103 Magnolia Grove	0	0	5	10	0	0	10
BL12856C	103 Magnolia Grove	0	0	2	10	0	0	10
BL12862C	200 Magnolia Grove, Building #200-20	0	0	5	10	0	0	10
BL22743C	2610 Long Pointe	0	0	5	10	0	0	10
BL22741C	2632 Long Pointe	0	0	5	10	0	0	10
BL22739C	2648 Long Pointe	0	0	5	10	0	0	10
BL22740C	2648 Long Pointe	0	0	5	10	0	0	10
BL22737C	2656 Long Pointe	0	0	5	10	0	0	10
BL22738C	2656 Long Pointe	0	0	5	10	0	0	10
BL22745C	2656 Long Pointe	0	0	3	10	0	0	10
BL22736C	2662 Long Pointe	0	0	5	10	0	0	10
BL22735C	2672 Long Pointe	0	0	5	10	0	0	10
BL22545C	10655 Buice Road	0	0	0	10	0	0	10
BL22719C	9850 Nesbit Ferry Road #8	0	0	5	10	0	0	10
BL22649C	9915 Haynes Bridge Road	0	0	5	10	0	0	10
BL22650C	9915 Haynes Bridge Road	0	0	5	10	0	0	10
BL22651C	9915 Haynes Bridge Road	0	0	5	10	0	0	10
BL22652C	9915 Haynes Bridge Road	0	0	5	10	0	0	10
BL22686C	2950 Old Alabama Road	0	0	5	10	0	0	10
BL22700C	2950 Old Alabama Road	0	0	5	10	0	0	10
BL22701C	2950 Old Alabama Road	0	0	5	10	0	0	10
BL22718C	9850 Nesbit Ferry Road #7	0	0	3	10	0	0	10
BL22720C	9850 Nesbit Ferry Road #1	0	0	3	10	0	0	10
BL22687C	2950 Ivey Ridge Lane #Rear	0	0	5	10	0	0	10
BL22310C	4395 Kimball Bridge Road	0	0	0	0	5	0	5
BL22714C	9870 Nesbit Ferry Road	0	0	5	10	0	0	10
CR10957C	2020 Westbourne Way	0	0	4	10	0	0	10
CR10942C	2004 Tavistock Court	0	0	5	10	0	0	10
CR10983C	3905 Merriweather Woods	0	0	5	10	0	0	10
CR10822C	4130 Merriweather Woods	0	0	5	10	0	0	10
CR10821C	4110 Merriweather Woods	0	0	5	10	0	0	10
CR10784C	1023 Abingdon Lane	0	0	5	10	0	0	10
CR10768C	1051 Abingdon Lane	0	0	5	10	0	0	10

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR10816C	1000 Featherstone Road	0	0	5	10	0	0	10
CR10837C	6065 Carlisle Lane	0	0	5	10	0	0	10
CR10836C	6055 Carlisle Lane	0	0	5	10	0	0	10
CR10814C	3000 Wellington Road	0	0	5	10	0	0	10
CR10815C	3000 Wellington Road	0	0	5	10	0	0	10
CR10813C	3005 Wellington Road	0	0	5	10	0	0	10
CR10913C	1002 Wetherby Way	0	0	5	10	0	0	10
CR10908C	2000 Norland Circle Court	0	0	5	10	0	0	10
CR10897C	1070 Matheson Way	0	0	5	10	0	0	10
CR10318C	4285 Fairway Villas Drive	0	0	5	10	0	0	10
CR10319C	4285 Fairway Villas Drive	0	0	5	10	0	0	10
CR10316C	4265 Fairway Villas Drive	0	0	5	10	0	0	10
CR10258C	4350 Bancroft Valley	0	0	5	10	0	0	10
CR10891C	120 Dover Cliff Way	0	0	5	10	0	0	10
CR10730C	1215 Stuart Ridge	0	0	5	10	0	0	10
CR10732C	1215 Stuart Ridge	0	0	5	10	0	0	10
CR10711C	9090 Barkston Drive	0	0	5	10	0	0	10
CR10707C	9075 Barkston Drive	0	0	5	10	0	0	10
CR10859C	2035 Northwick Pass Way	0	0	5	10	0	0	10
CR10860C	2035 Northwick Pass Way	0	0	5	10	0	0	10
CR10749C	8960 Old Southwick Pass	0	0	5	10	0	0	10
CR10742C	8940 Old Southwick Pass	0	0	5	10	0	0	10
CR10743C	8940 Old Southwick Pass	0	0	5	10	0	0	10
CR10726C	8915 Old Southwick Pass	0	0	5	10	0	0	10
CR10759C	8980 Old Southwick Pass	0	0	5	10	0	0	10
CR11775C	240 Mount Ranier Way	0	0	4	10	0	0	10
CR10286C	4158 Merriweather Woods	0	0	5	10	0	0	10
CR12067C	3395 Rivermont Parkway	0	0	4	10	0	0	10
CR12039C	8735 Mount Rushmore Drive	0	0	3	10	0	0	10
CR12040C	8735 Mount Rushmore Drive	0	0	3	10	0	0	10
CR12684C	405 Rainbow Row Court	0	0	5	10	0	0	10
CR12195C	9155 Nesbit Ferry Road #72	0	0	3	10	0	0	10
CR12189C	9155 Nesbit Ferry Road #66	0	0	5	10	0	0	10
CR14336C	320 Windlake Court	0	0	3	10	0	0	10
CR14503C	320 Windlake Court	0	0	3	10	0	0	10
CR14515C	9825 Austry Falls Drive	0	0	5	10	0	0	10
BB13277C	5325 Bentley Hall Drive	0	0	5	10	0	0	10
BB13249C	12730 Concord Hall Drive	0	0	4	10	0	0	10
BB13372C	310 Summerlin Drive	0	0	4	10	0	0	10
BB13378C	12400 Stevens Creek Drive	0	0	3	10	0	0	10
CR47790C	3700 Old Alabama Road	0	0	4	10	0	0	10
CR47789C	3700 Old Alabama Road	0	0	5	10	0	0	10
CR47828C	3719 Old Alabama Road #200A	0	0	5	10	0	0	10
CR47827C	3719 Old Alabama Road #200A	0	0	5	10	0	0	10
CR47834C	3719 Old Alabama Road #200A	0	0	5	10	0	0	10
CR47829C	3719 Old Alabama Road	0	0	5	10	0	0	10
CR47833C	3719 Old Alabama Road #200E	0	0	5	10	0	0	10
BB13281C	5295 Bentley Hall Drive	0	0	0	10	0	0	10
BB13257C	310 Oxford Hall Drive	0	0	4	10	0	0	10
BB13235C	12800 Wyngate Trail	0	0	5	10	0	0	10
BB13373C	300 Summerlin Drive	0	0	4	10	0	0	10
BB17670C	135 Hydrangea Court	0	0	3	10	0	0	10
BB17665C	780 Vinca Court	0	0	5	10	0	0	10
CR10982C.1	3904 Merriweather Woods	0	0	5	10	0	0	10
CR10977C.1	3930 Merriweather Woods	0	0	5	10	0	0	10
CR47187C	4130 Merriweather Woods	0	0	5	10	0	0	10
CR47188C	2000 Norland Circle Court	0	0	5	10	0	0	10
CR47190C	2000 Norland Circle Court	0	0	5	10	0	0	10
CR47189C	2004 Norland Circle Court	0	0	5	10	0	0	10
CR47095C	9750 Hunts Pointe Drive	0	0	5	10	0	0	10
CR47097C	9750 Hunts Pointe Drive	0	0	4	10	0	0	10
CR47813C	2007 Falcon Glen Court	0	0	5	10	0	0	10
CR47806C	3735 Borning Court	0	0	4	10	0	0	10
CR47826C	9794 Talisman Drive	0	0	5	10	0	0	10
CR47821C	9802 Talisman Drive	0	0	4	10	0	0	10
CR47018C	4100 Old Alabama Road	0	0	5	10	0	0	10
CR47019C	4100 Old Alabama Road	0	0	5	10	0	0	10
CR47020C	4100 Old Alabama Road	0	0	5	10	0	0	10
CR47021C	4100 Old Alabama Road	0	0	5	10	0	0	10

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR47023C	4100 Old Alabama Road	0	0	5	10	0	0	
CR47024C	4100 Old Alabama Road	0	0	5	10	0	0	
CR47026C	4100 Old Alabama Road	0	0	5	10	0	0	
CR47027C	4100 Old Alabama Road	0	0	5	10	0	0	
CR47028C	4100 Old Alabama Road	0	0	5	10	0	0	
CR47030C	4100 Old Alabama Road	0	0	5	10	0	0	
BB40003C	11720 Jones Bridge Road	0	0	5	10	0	0	
CR47036C	1024 Cherbury Lane	0	0	5	10	0	0	
CR47037C	1024 Cherbury Lane	0	0	5	10	0	0	
CR47038C	1024 Cherbury Lane	0	0	5	10	0	0	10
CR47819C	3719 Old Alabama Road #400B	0	0	5	10	0	0	10
CR47824C	3719 Old Alabama Road #400A	0	0	5	10	0	0	10
CR47822C	3719 Old Alabama Road #400A	0	0	5	10	0	0	10
CR47823C	3719 Old Alabama Road #400A	0	0	5	10	0	0	10
CR47820C	3719 Old Alabama Road #400A	0	0	5	10	0	0	10
CR47825C	3719 Old Alabama Road #200A-400B	0	0	5	10	0	0	10
BB40002C	5247 Cresslyn Rdg	0	0	5	10	0	0	10
CR47904C	1130 Matheson Way	0	0	5	10	0	0	10
CR47905C	1130 Matheson Way	0	0	4	10	0	0	10
CR47892C	10180 Jones Bridge Road	0	0	5	10	0	0	10
BL22709C	9875 Nesbit Ferry Road #G	0	0	5	0	5	2	7
BL13156C	320 Wyehwood Court	0	0	3	10	0	2	12
BL12925C	10160 Piney Ridge Walk	0	0	5	0	5	1	6
CR11773C	8640 Colony Club Drive	0	0	5	10	5	1	16
CR11785C	65 Fairway Ridge Drive	0	0	5	0	5	1	6
CR11689C	765 Nile Drive	0	0	4	10	0	2	12
CR11874C	200 N. Peak Drive	0	0	5	0	5	3	8
CR11754C	8535 S. Eagles Bluff	0	0	5	10	0	2	12
CR12399C	815 Kings Arms Way	0	0	5	10	0	2	12
CR12395C	940 Kings Arms Way	0	0	5	10	0	2	12
CR12358C	410 Cortina Close	0	0	5	10	0	2	12
CR12384C	730 Arborside Court	0	0	5	10	0	2	12
CR12378C	3127 Arbor Woods Drive	0	0	5	10	0	2	12
CR12388C	3190 Arbor Woods Drive	0	0	3	10	0	2	12
CR12367C	3050 Pillement Place	0	0	5	10	0	2	12
CR12393C	3095 Pillement Place	0	0	5	10	0	2	12
CR12458C	9470 Dominion Way	0	0	5	10	0	2	12
CR12450C	3125 Hartridge Drive	0	0	3	10	0	2	12
CR12334C	130 Farewell Lane	0	0	5	10	0	2	12
CR12336C	3025 Abbottswell Drive	0	0	5	10	0	2	12
CR12498C	550 Saint Regis Lane	0	0	5	10	0	2	12
CR12657C	670 Saint Fillans Court	0	0	5	10	0	2	12
CR12179C	3235 Park Chase	0	0	5	0	5	1	6
CR11978C	9400 Stoney Ridge Lane	0	0	5	10	0	2	12
CR22787C	815 Kings Arms Way	0	0	5	10	0	2	12
CR22758C	225 Preston Oaks Drive	0	0	5	10	0	2	12
CR22759C	225 Preston Oaks Drive	0	0	5	10	0	2	12
CR14410C	765 Falls Landing Court	0	0	5	10	0	2	12
CR14512C	9760 Austry Falls Drive	0	0	5	10	0	2	12
CR14298C	9890 Austry Falls Drive	0	0	4	10	0	2	12
CR18554C	10130 Oxford Mill Drive	0	0	4	0	5	1	6
CR14629C	10410 Oxford Mill Circle	0	0	4	10	0	2	12
CR19031C	9920 Jones Bridge Road	0	0	3	0	5	1	6
CR12507C.1	605 Saint Regis Lane	0	0	4	10	0	2	12
CR12505C.1	570 Saint Regis Lane	0	0	4	10	0	2	12
BL21208C	9925 Haynes Bridge Road #760	0	0	5	0	5	0	5
BL22278C	320 Milton Oaks Circle	0	0	0	0	5	0	5
CR20366C	150 Gentry Gate	0	0	3	0	5	0	5
BB40082C	12455 Stevens Creek Drive	7	0	0	0	5	0	5
BL12839C	220 Ivey Oaks Way	0	0	5	10	0	1	11
BL13044C	3240 Summer View Drive	0	0	5	10	0	1	11
BL13040C	3355 Summer View Drive	0	0	5	10	0	1	11
BL13035C	10530 Summer Creek Drive	0	0	3	10	0	1	11
BL13141C	10585 Timberstone Road	0	0	5	10	0	1	11
BL13138C	10605 Timberstone Road	0	0	5	10	0	1	11
BL13053C	3530 Legacy Trace	0	0	5	10	0	1	11
BL13175C	520 Lathkil Court	0	0	4	10	0	1	11
BL13176C	520 Lathkil Court	0	0	4	10	0	1	11
BL13148C	440 Weatherend Court	0	0	5	10	0	1	11

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL14035C	10090 Jones Bridge Road #5	0	0	5	10	0	1	11
BL14034C	10090 Jones Bridge Road #6	0	0	5	10	0	1	11
BL22706C	2930 Ivey Ridge Lane	0	0	4	10	0	1	11
BL22605C	3365 Summer View Drive	0	0	5	10	0	1	11
BL22588C	2560 Runic Way	0	0	5	10	0	1	11
CR11753C	120 S. Falcon Bluff	0	0	5	10	0	1	11
CR11824C	360 Driver Circle Court	0	0	5	10	0	1	11
CR11826C	780 Olde Clubs Drive	0	0	5	10	0	1	11
CR11793C	315 Spyglass Bluff Drive	0	0	5	10	0	1	11
CR11800C	320 Spyglass Bluff Drive	0	0	5	10	0	1	11
CR11790C	555 Matterhorn Way	0	0	5	10	0	1	11
CR11702C	1235 Saint Lawrence Drive	0	0	5	10	0	1	11
CR11703C	1305 Saint Lawrence Drive	0	0	5	10	0	1	11
CR11739C	8625 S. Mount Drive	0	0	5	10	0	1	11
CR10077C	310 Oak Alley Court	0	0	5	10	0	1	11
CR10071C	610 Oak Alley Way	0	0	4	10	0	1	11
CR10165C	220 Preston Oaks Drive	0	0	4	10	0	1	11
CR10161C	650 S. Preston Court	0	0	5	10	0	1	11
CR12230C	782 Ashley Glen Lane	0	0	5	10	0	1	11
CR12225C	771 Ashley Glen Lane	0	0	5	10	0	1	11
CR12224C	811 Ashley Glen Lane	0	0	5	10	0	1	11
CR12226C	811 Ashley Glen Lane	0	0	5	10	0	1	11
CR12228C	802 Ashley Glen Lane	0	0	5	10	0	1	11
CR12362C	645 Holyrood Way	0	0	5	10	0	1	11
CR12389C	3189 Arbor Woods Drive	0	0	3	10	0	1	11
CR12436C	3310 Arbor Woods Drive	0	0	5	10	0	1	11
CR12408C	230 Meissen Court	0	0	5	10	0	1	11
CR12315C	2720 Abbottswell Drive	0	0	4	10	0	1	11
CR12332C	2885 Abbottswell Drive	0	0	5	10	0	1	11
CR12508C	610 Saint Regis Lane	0	0	4	10	0	1	11
CR12520C	530 Saint Regis Drive	0	0	5	10	0	1	11
CR12469C	3331 Mallard Lake Place	0	0	5	10	0	1	11
CR12465C	3332 Mallard Lake Place	0	0	5	10	0	1	11
CR12464C	3310 Merganser Lane	0	0	5	10	0	1	11
CR12106C	425 Stoney Ridge Court	0	0	5	10	0	1	11
CR12728C	3805 Redcoat Way	0	0	5	10	0	1	11
CR12734C	3840 Redcoat Way	0	0	4	10	0	1	11
CR12764C	9763 Talisman Drive	0	0	5	10	0	1	11
CR12766C	9819 Talisman Drive	0	0	5	10	0	1	11
CR12755C	9786 Talisman Drive	0	0	5	10	0	1	11
CR12756C	9794 Talisman Drive	0	0	5	10	0	1	11
CR12761C	9843 Talisman Drive	0	0	5	10	0	1	11
CR12762C	9843 Talisman Drive	0	0	5	10	0	1	11
CR12763C	9835 Talisman Drive	0	0	5	10	0	1	11
CR12765C	9823 Talisman Drive	0	0	5	10	0	1	11
CR12777C	9854 Talisman Drive	0	0	4	10	0	1	11
CR12778C	9858 Talisman Drive	0	0	4	10	0	1	11
CR12791C	9858 Talisman Drive	0	0	4	10	0	1	11
CR12792C	9874 Talisman Drive	0	0	4	10	0	1	11
CR11979C	740 Eider Down Court	0	0	5	10	0	1	11
CR12217C	16 Nesbit Place	0	0	5	10	0	1	11
CR22776C	3332 Mallard Lake Place	0	0	5	10	0	1	11
CR22777C	3332 Mallard Lake Place	0	0	5	10	0	1	11
CR14389C	120 Pine Mist Circle	0	0	5	10	0	1	11
CR14382C	115 Pine Mist Circle	0	0	5	10	0	1	11
CR14381C	790 Pine Leaf Court	0	0	5	10	0	1	11
CR14359C	355 Broad Leaf Court	0	0	4	10	0	1	11
CR14403C	10205 High Falls Pointe	0	0	4	10	0	1	11
CR14405C	10205 High Falls Pointe	0	0	4	10	0	1	11
CR14317C	100 Silver Mist Circle	0	0	4	10	0	1	11
CR14318C	120 Silver Mist Circle	0	0	3	10	0	1	11
CR14321C	130 Silver Mist Circle	0	0	2	10	0	1	11
CR14414C	730 Falls Landing Court	0	0	5	10	0	1	11
CR14420C	745 Falls Landing Court	0	0	4	10	0	1	11
CR14421C	735 Falls Landing Court	0	0	4	10	0	1	11
CR14442C	130 Club Falls Drive	0	0	5	10	0	1	11
CR14443C	130 Club Falls Drive	0	0	5	10	0	1	11
CR14413C	3860 Falls Landing Drive	0	0	5	10	0	1	11
CR14495C	435 Autry Mill Circle	0	0	5	10	0	1	11

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR14496C	435 Autry Mill Circle	0	0	5	10	0	1	11
CR14497C	425 Autry Mill Circle	0	0	5	10	0	1	11
CR14511C	410 Autry Mill Circle	0	0	5	10	0	1	11
CR14506C	310 Windlake Court	0	0	5	10	0	1	11
CR14459C	310 Falls Ridge Cove	0	0	3	10	0	1	11
CR14315C	4000 Falls Ridge Drive	0	0	4	10	0	1	11
CR14549C	4175 Falls Ridge Drive	0	0	5	10	0	1	11
CR14550C	4175 Falls Ridge Drive	0	0	5	10	0	1	11
CR14402C	545 Dartington Way	0	0	4	10	0	1	11
CR14407C	545 Dartington Way	0	0	5	10	0	1	11
CR18523C	590 Dartington Way	0	0	5	10	0	1	11
CR18524C	590 Dartington Way	0	0	5	10	0	1	11
CR14636C	130 Keswick Way	0	0	5	10	0	1	11
CR14618C	685 Turbridge Court	0	0	4	10	0	1	11
CR14619C	685 Turbridge Court	0	0	4	10	0	1	11
CR18560C	4525 Burgess Hill Lane	0	0	5	10	0	1	11
CR14352C	960 Bishopswood Place	0	0	3	10	0	1	11
CR14604C	10325 Oxford Mill Circle	0	0	5	10	0	1	11
CR14617C	10400 Oxford Mill Circle	0	0	4	10	0	1	11
CR22793C	9300 Brumbelow Road	0	0	5	10	0	1	11
CR14036C	10090 Jones Bridge Road #5	0	0	5	10	0	1	11
CR14353C	4130 Falls Ridge Drive	0	0	5	10	0	1	11
CR11788C.1	135 Fairway Ridge Drive	0	0	5	10	0	1	11
CR47810C	655 Arboreal Court	0	0	5	10	0	1	11
CR47207C	720 Pine Leaf Court	0	0	5	10	0	1	11
CR47206C	730 Pine Leaf Court	0	0	5	10	0	1	11
CR47116C	10205 Oxford Mill Drive	0	0	5	10	0	1	11
CR47112C	10307 Oxford Mill Circle	0	0	5	10	0	1	11
CR47113C	10325 Oxford Mill Circle	0	0	4	10	0	1	11
CR47115C	10315 Oxford Mill Circle	0	0	5	10	0	1	11
CR47001C	10445 Oxford Mill Circle	0	0	5	10	0	1	11
BL18607C	4665 Sengen Trace	0	0	5	0	5	2	7
BL19788C	10240 Jones Bridge Road	0	0	5	0	5	1	6
BL18718C	805 Kimball Parc Court	0	0	5	0	5	2	7
BL21190C	9850 Nesbit Ferry Road #1	0	0	5	0	5	1	6
BL19578C	10960 State Bridge Road	0	0	5	0	5	2	7
BL22565C	10240 Jones Bridge Road	0	0	5	0	5	1	6
CR11809C	105 Brassy Court	0	0	5	0	5	1	6
CR12576C	9730 Rod Road	0	0	5	0	5	2	7
CR14530C	555 Brook Manor Drive	0	0	4	0	5	1	6
CR14539C	9625 Autry Falls Drive	0	0	5	0	5	1	6
CR14481C	100 Nature Mill Court	0	0	5	0	5	1	6
BL13018C	10315 Summer Creek Drive	0	0	4	10	0	0	10
BL13139C	10605 Timberstone Road	0	0	4	10	0	0	10
BL12976C	10396 Royal Terrace	0	0	5	10	0	0	10
BL12998C	175 Wentworth Terrace	0	0	5	10	0	0	10
BL12999C	175 Wentworth Terrace	0	0	5	10	0	0	10
BL12987C	170 Wentworth Terrace	0	0	5	10	0	0	10
BL12988C	170 Wentworth Terrace	0	0	5	10	0	0	10
BL12985C	180 Wentworth Terrace	0	0	5	10	0	0	10
BL12977C	320 Wentworth Trail	0	0	4	10	0	0	10
BL12978C	320 Wentworth Trail	0	0	4	10	0	0	10
BL12974C	340 Wentworth Trail	0	0	5	10	0	0	10
BL12970C	2999 Haynes Trail	0	0	5	10	0	0	10
BL12958C	3078 Haynes Trail	0	0	5	10	0	0	10
BL12971C	3028 Haynes Cove	0	0	5	10	0	0	10
BL12973C	3015 Haynes Cove	0	0	5	10	0	0	10
BL12941C	2960 Woodvale Court	0	0	5	10	0	0	10
BL12946C	3015 Woodvale Court	0	0	5	10	0	0	10
BL12944C	3070 Woodvale Court	0	0	5	10	0	0	10
BL12945C	3070 Woodvale Court	0	0	5	10	0	0	10
BL12947C	3035 Woodvale Court	0	0	5	10	0	0	10
BL12948C	3035 Woodvale Court	0	0	5	10	0	0	10
BL13085C	10040 Feather Sound Court	0	0	5	10	0	0	10
BL10115C	10090 Trumpet Park	0	0	5	10	0	0	10
BL10112C	10084 Trumpet Park	0	0	5	10	0	0	10
BL10129C	805 Pistace Court	0	0	5	10	0	0	10
BL10116C	839 Pistace Court	0	0	4	10	0	0	10
BL10120C	835 Pistace Court	0	0	5	10	0	0	10

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL10121C	835 Pistace Court	0	0	5	10	0	0	10
BL10123C	835 Pistace Court	0	0	5	10	0	0	10
BL10125C	3573 Old Maple Drive	0	0	5	10	0	0	10
BL10114C	3564 Allee Elm Drive	0	0	5	10	0	0	10
BL13225C	3572 Allee Elm Drive	0	0	5	10	0	0	10
BL10214C	560 Crossbridge Alley	0	0	5	10	0	0	10
BL10213C	540 Crossbridge Alley	0	0	5	10	0	0	10
BL10215C	430 Ferryman Court	0	0	5	10	0	0	10
BL10216C	430 Ferryman Court	0	0	5	10	0	0	10
BL10204C	3345 Jones Ferry Lane	0	0	5	10	0	0	10
BL10205C	3365 Jones Ferry Lane	0	0	5	10	0	0	10
BL10206C	3365 Jones Ferry Lane	0	0	5	10	0	0	10
BL10207C	3385 Jones Ferry Lane	0	0	5	10	0	0	10
BL10208C	3385 Jones Ferry Lane	0	0	5	10	0	0	10
BL10222C	3465 Jones Ferry Lane	0	0	5	10	0	0	10
BL10223C	3485 Jones Ferry Lane	0	0	5	10	0	0	10
BL10221C	3505 Jones Ferry Lane	0	0	5	10	0	0	10
BL10220C	3525 Jones Ferry Lane	0	0	5	10	0	0	10
BL10219C	3575 Jones Ferry Lane	0	0	5	10	0	0	10
BL12848C	101 Magnolia Grove	0	0	4	10	0	0	10
BL12865C	308 Magnolia Grove	0	0	5	10	0	0	10
BL12846C	100 Magnolia Grove, Building #101-10	0	0	4	10	0	0	10
BL12847C	100 Magnolia Grove, Building #101-10	0	0	4	10	0	0	10
BL12863C	200 Magnolia Grove, Building #200-20	0	0	5	10	0	0	10
BL22742C	2629 Long Pointe	0	0	5	10	0	0	10
BL22705C	2930 Ivey Ridge Lane	0	0	4	10	0	0	10
BL22671C	10396 Royal Terrace	0	0	5	10	0	0	10
BL22676C	3100 Woodvale Court	0	0	5	10	0	0	10
BL22576C	3785 Jones Ferry Lane	0	0	5	10	0	0	10
BL22574C	3745 Jones Ferry Lane	0	0	5	10	0	0	10
BL22732C	9850 Nesbit Ferry Road #25	0	0	5	10	0	0	10
BL22644C	9919 Haynes Bridge Road	0	0	5	10	0	0	10
BL22702C	2950 Ivey Ridge Lane #Rear	0	0	5	10	0	0	10
BL22703C	2950 Ivey Ridge Lane #Rear	0	0	5	10	0	0	10
BL22704C	2950 Ivey Ridge Lane #Rear	0	0	5	10	0	0	10
BL22699C	2880 Old Alabama Road #100	0	0	5	10	0	0	10
CR11841C	8910 Niblick Drive	0	0	5	10	0	0	10
CR11807C	380 Spyglass Bluff Drive	0	0	5	0	0	5	5
CR11762C	140 Colony Ridge Drive	0	0	3	10	0	0	10
CR11763C	140 Colony Ridge Drive	0	0	4	10	0	0	10
CR11758C	230 Colony Ridge Drive	0	0	5	10	0	0	10
CR11759C	190 Colony Ridge Drive	0	0	5	10	0	0	10
CR10955C	2017 Westbourne Way	0	0	4	10	0	0	10
CR10952C	2015 Westbourne Way	0	0	5	10	0	0	10
CR10953C	2015 Westbourne Way	0	0	5	10	0	0	10
CR10933C	2009 Tavistock Court	0	0	5	10	0	0	10
CR10935C	2011 Tavistock Court	0	0	5	10	0	0	10
CR10943C	2013 Tavistock Court	0	0	5	10	0	0	10
CR10937C	1011 Kettering Place	0	0	5	10	0	0	10
CR10938C	1011 Kettering Place	0	0	5	10	0	0	10
CR10947C	3021 Kettering Court	0	0	5	10	0	0	10
CR10945C	3016 Kettering Court	0	0	5	10	0	0	10
CR10310C	4185 Fairway Villas Drive	0	0	5	10	0	0	10
CR10224C	370 High Bridge Chase	0	0	5	10	0	0	10
CR10244C	410 Covington Cove	0	0	5	10	0	0	10
CR10245C	405 Covington Cove	0	0	5	10	0	0	10
CR10246C	405 Covington Cove	0	0	5	10	0	0	10
CR10247C	405 Covington Cove	0	0	5	10	0	0	10
CR10248C	405 Covington Cove	0	0	5	10	0	0	10
CR10311C	9375 Chandler Bluff	0	0	5	10	0	0	10
CR10312C	9375 Chandler Bluff	0	0	5	10	0	0	10
CR10290C	9325 Chandler Bluff	0	0	5	10	0	0	10
CR10280C	120 Travertine Trail	0	0	5	10	0	0	10
CR10281C	120 Travertine Trail	0	0	5	10	0	0	10
CR10262C	4350 Bancroft Valley	0	0	5	10	0	0	10
CR10263C	4350 Bancroft Valley	0	0	5	10	0	0	10
CR10249C	9300 Old Southwick Pass	0	0	5	10	0	0	10
CR10145C	934 Urban Ash Court	0	0	5	10	0	0	10
CR10136C	3597 Old Maple Drive	0	0	4	10	0	0	10

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR10137C	3597 Old Maple Drive	0	0	4	10	0	0	
CR10135C	3589 Old Maple Drive	0	0	5	10	0	0	
CR10119C	3584 Allee Elm Drive	0	0	5	10	0	0	
CR10144C	3595 Allee Elm Drive	0	0	5	10	0	0	
CR10138C	3601 Old Maple Drive	0	0	5	10	0	0	
CR10139C	3601 Old Maple Drive	0	0	5	10	0	0	
CR10140C	3601 Old Maple Drive	0	0	5	10	0	0	
CR10141C	3601 Old Maple Drive	0	0	5	10	0	0	
CR10142C	3601 Old Maple Drive	0	0	5	10	0	0	
CR11764C	360 Colony Cove	0	0	5	10	0	0	
CR10288C	4158 Merriweather Woods	0	0	5	10	0	0	
CR12162C	3440 Holly Trail Lane	0	0	5	0	5	0	
CR12125C	8895 Glen Ferry Drive	0	0	5	0	5	0	
CR12135C	250 Berry Glen Court	0	0	5	0	5	0	
CR12161C	9020 Laurel Way	0	0	5	0	5	0	
CR12012C	100 Colony Ridge Drive	0	0	5	10	0	0	
CR12013C	50 Colony Ridge Drive	0	0	5	10	0	0	
CR12523C	280 Vidaulan Court	0	0	4	10	0	0	
CR12512C	630 Saint Regis Lane	0	0	5	10	0	0	10
CR12679C	3326 Jamont Boulevard	0	0	5	10	0	0	10
CR12718C	3760 Redcoat Way	0	0	5	10	0	0	10
CR12732C	3835 Redcoat Way	0	0	5	10	0	0	10
CR12779C	9814 Talisman Drive	0	0	5	10	0	0	10
CR12776C	9854 Talisman Drive	0	0	4	10	0	0	10
CR12215C	20 Nesbit Place	0	0	4	10	0	0	10
CR12196C	9155 Nesbit Ferry Road #72	0	0	3	10	0	0	10
CR14164C	824 Autry Oak Court	0	0	5	10	0	0	10
CR14161C	845 Autry Oak Court	0	0	5	10	0	0	10
CR14159C	827 Autry Oak Court	0	0	5	10	0	0	10
CR14162C	857 Autry Oak Court	0	0	5	10	0	0	10
CR14046C	9969 Autry Vue Lane	0	0	5	10	0	0	10
CR14391C	10315 High Falls Circle	0	0	5	10	0	0	10
CR14390C	120 Pine Mist Circle	0	0	5	10	0	0	10
CR14406C	10215 High Falls Pointe	0	0	4	10	0	0	10
CR14404C	10195 High Falls Pointe	0	0	4	10	0	0	10
CR14340C	540 Falls Watch Circle	0	0	5	10	0	0	10
CR14502C	310 Windlake Court	0	0	5	10	0	0	10
CR14505C	315 Windlake Court	0	0	3	10	0	0	10
CR14334C	320 Windlake Court	0	0	4	10	0	0	10
CR14297C	9890 Autry Falls Drive	0	0	4	10	0	0	10
CR14316C	3995 Falls Ridge Drive	0	0	4	10	0	0	10
CR14585C	175 Autry Trail	0	0	5	10	0	0	10
CR14580C	4520 Burgess Hill Lane	0	0	3	10	0	0	10
CR22582C	9940 Jones Bridge Road	0	0	5	10	0	0	10
CR22781C	405 Rainbow Row Court	0	0	5	10	0	0	10
CR14195C	1702 Grovehurst Drive	0	0	5	10	0	0	10
CR14194C	1808 Kingsley Circle	0	0	5	10	0	0	10
CR14196C	2002 Kingsley Circle	0	0	5	10	0	0	10
CR14201C	2206 Grovehurst Drive	0	0	5	10	0	0	10
CR14202C	2402 Grovehurst Drive	0	0	4	10	0	0	10
CR14189C	501 Wales Drive	0	0	5	10	0	0	10
CR14187C	901 Grovehurst Drive	0	0	5	10	0	0	10
CR14197C	1706 Grovehurst Drive	0	0	4	10	0	0	10
CR47781C	3700 Old Alabama Road	0	0	4	10	0	0	10
CR47800C	9920 Jones Bridge Road	0	0	4	10	0	0	10
CR47160C	230 Colony Ridge Drive	0	0	5	10	0	0	10
CR47159C	180 Colony Ridge Drive	0	0	5	10	0	0	10
CR47043C	2006 Westbourne Way	0	0	5	10	0	0	10
CR47042C	2004 Westbourne Way	0	0	5	10	0	0	10
CR47039C	1025 Cherbury Lane	0	0	5	10	0	0	10
CR47844C	300 Rhine Drive	0	0	5	10	0	0	10
CR47203C	9985 Autry Vue Lane	0	0	4	10	0	0	10
CR47204C	9985 Autry Vue Lane	0	0	4	10	0	0	10
CR47079C	9580 Autry Falls Drive	0	0	4	10	0	0	10
CR47094C	9775 Hunts Pointe Drive	0	0	5	10	0	0	10
CR47046C	4110 Old Alabama Road	0	0	5	10	0	0	10
CR47048C	4110 Old Alabama Road	0	0	5	10	0	0	10
CR47055C	4110 Old Alabama Road	0	0	5	10	0	0	10
CR47033C	4100 Old Alabama Road	0	0	5	10	0	0	10

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR47152C	8806 Fairview Bluff	0	0	5	10	0	0	10
CR47040C	1024 Cherbury Lane	0	0	5	10	0	0	10
CR47041C	1024 Cherbury Lane	0	0	5	10	0	0	10
CR47198C	9945 Jones Bridge Road #207	0	0	4	10	0	0	10
CR47205C	9945 Jones Bridge Road #207	0	0	4	10	0	0	10
BB19199C	11875 Jones Bridge Road #A-I	0	0	5	0	5	0	5
JC19196C	11912 Jones Bridge Road #201	0	0	5	0	5	0	5
CR47882C	10465 Jones Bridge Road	0	0	2	10	0	0	10
CR47883C	10465 Jones Bridge Road	0	0	2	10	0	0	10
BL15850C	10514 New Cove Road	0	0	5	0	5	1	6
BL15880C	605 Edgehill Place	0	0	5	0	5	1	6
BL18616C	730 Milton Oaks Drive	0	0	5	0	5	1	6
BL18611C	4655 Sengen Trace	0	0	5	0	5	1	6
BL18658C	235 Jones Bridge Place Circle	0	0	5	0	5	1	6
BL20800C	3290 Old Alabama Road	0	0	5	0	5	1	6
BL18706C	4755 Weathervane Drive	0	0	5	0	5	1	6
BL18715C	780 Kimball Parc Court	0	0	5	0	5	1	6
BL20039C	11130 State Bridge Road #101-F106	0	0	5	0	5	1	6
BL19569C	10955 Jones Bridge Road #101-134	0	0	5	0	5	1	6
BL22266C	210 Ashlee Oaks Court	0	0	5	0	5	1	6
BL22281C	750 Milton Oaks Drive	0	0	5	0	5	1	6
BL22537C	10792 Jones Bridge Road	0	0	5	0	5	1	6
BL22094C	4640 Valais Court #100-205	0	0	5	0	5	1	6
BL22223C	10955 Jones Bridge Road #101-134	0	0	5	0	5	1	6
BL22161C	10800 Jones Bridge Road #E	0	0	5	0	5	1	6
BL22552C	4308 Noor View Court	0	0	5	0	5	1	6
BL22557C	4309 Noor View Court	0	0	5	0	5	1	6
CR12526C	9897 Rod Road	0	0	4	0	5	1	6
CR19087C	9878 Brumbelow Road	0	0	5	0	5	1	6
CR19918C	3150 Old Alabama Road	0	0	5	0	5	1	6
CR19924C	3150 Old Alabama Road	0	0	5	0	5	1	6
CR21982C	9880 Brumbelow Road	0	0	5	0	5	1	6
CR21980C	9800 Brumbelow Road	0	0	4	0	5	1	6
CR21981C	3190 Old Alabama Road	0	0	5	0	5	1	6
CR19241C	9700 Brumbelow Road	0	0	5	0	5	1	6
CR47102C	240 Eden Bridge Place	0	0	5	0	5	1	6
CR19193C	1040 Bedford Gardens Drive	0	0	5	0	5	0	5
BL11766C	2656 Long Pointe	0	0	5	0	5	1	6
BL15831C	10700 Willow Meadow Circle	0	0	5	0	5	1	6
BL15842C	10514 New Cove Road	0	0	5	0	5	0	5
BL15839C	10513 New Cove Road	0	0	5	0	5	0	5
BL15845C	10494 New Cove Road	0	0	5	0	5	0	5
BL15844C	10493 New Cove Road	0	0	5	0	5	0	5
BL18599C	335 Creekside Drive	0	0	5	0	5	0	5
BL20712C	4614 Fountain Bleu Court	0	0	0	0	5	0	5
BL20713C	4614 Fountain Bleu Court	0	0	0	0	5	0	5
BL20586C	4460 Kimball Bridge Road	0	0	0	0	5	0	5
BL18476C	11240 Rotherick Drive	0	0	5	0	5	0	5
BL19837C	10655 Buice Road	0	0	4	0	5	1	6
BL19840C	10655 Buice Road	0	0	4	0	5	1	6
BL20560C	11701 Fox Road #100	7	0	0	0	5	0	5
BL22543C	240 Broken Lance Place	0	0	3	0	5	1	6
BL22275C	11422 Brookhollow Trail	0	0	5	0	5	1	6
CR11657C	8485 Holcomb Bridge Road	0	0	5	10	0	0	10
CR12005C	8465 Holcomb Bridge Road #520	0	0	5	10	0	0	10
CR22734C	9820 Nesbit Ferry Road	0	0	5	0	5	1	6
CR22206C	8485 Holcomb Bridge Road	0	0	5	10	0	0	10
BB46578C	755 Kimball Parc Court	0	0	0	0	5	0	5
BB40471C	745 Kimball Parc Court	0	0	0	0	5	0	5
JC21241C	10985 Jones Bridge Road #100-112	0	0	5	0	5	0	5
BB20748C	11649 Waterbury Lane	7	0	0	0	5	0	5
BB40492C	4795 Kimball Bridge Road	0	0	0	0	5	0	5
JC22384C	11005 Jones Bridge Road #101	0	0	5	0	5	0	5
JC43605C	9905 Buice Road	0	0	5	0	5	0	5
BL19850C	10950 Indian Village Drive	0	0	5	0	5	2	7
CR12394C	940 Kings Arms Way	0	0	5	0	5	2	7
CR12377C	3127 Arbor Woods Drive	0	0	5	0	5	2	7
CR12387C	3190 Arbor Woods Drive	0	0	3	0	5	2	7
CR12455C	435 Prince Charles Place	0	0	4	0	5	2	7

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR12497C	550 Saint Regis Lane	0	0	5	0	5	2	7
BL18624C	700 Milton Oaks Drive	0	0	0	0	5	0	5
BL20300C	280 Broken Lance Place	0	0	0	0	5	0	5
BL20588C	11410 Brookhollow Trail	0	0	0	0	5	0	5
BL20579C	700 Milton Oaks Drive	0	0	0	0	5	0	5
BL20714C	4614 Fountain Bleau Court	0	0	0	0	5	0	5
BL20580C	4460 Kimball Bridge Road	0	0	0	0	5	0	5
BL20582C	4460 Kimball Bridge Road	0	0	0	0	5	0	5
BL20583C	4460 Kimball Bridge Road	0	0	0	0	5	0	5
BL20587C	4460 Kimball Bridge Road	0	0	0	0	5	0	5
BL20562C	5035 Kimball Bridge Road	7	0	0	0	5	0	5
BL20563C	5035 Kimball Bridge Road	7	0	0	0	5	0	5
BL20565C	5035 Kimball Bridge Road	7	0	0	0	5	0	5
BL20553C	5005 Kimball Bridge Road	7	0	0	0	5	0	5
BL20724C	5005 Kimball Bridge Road	7	0	0	0	5	0	5
BL20731C	5005 Kimball Bridge Road	7	0	0	0	5	0	5
BL20555C	5065 Kimball Bridge Road	7	0	0	0	5	0	5
BL20556C	5065 Kimball Bridge Road	7	0	0	0	5	0	5
BL20557C	5065 Kimball Bridge Road	7	0	0	0	5	0	5
BL20561C	5065 Kimball Bridge Road	7	0	0	0	5	0	5
BL20564C	5065 Kimball Bridge Road	7	0	0	0	5	0	5
BL19616C	11130 State Bridge Road #A101	0	0	0	0	5	0	5
BL19618C	11130 State Bridge Road #A101	0	0	0	0	5	0	5
BL20591C	11130 State Bridge Road #A101	0	0	0	0	5	0	5
BL20592C	11130 State Bridge Road #A101	0	0	0	0	5	0	5
BL19167C	4395 Kimball Bridge Road	0	0	0	0	5	0	5
BL19614C	4395 Kimball Bridge Road	0	0	0	0	5	0	5
BL19615C	4395 Kimball Bridge Road	0	0	0	0	5	0	5
BL20590C	11110 State Bridge Road	0	0	0	0	5	0	5
BL20593C	11110 State Bridge Road	0	0	0	0	5	0	5
BL20606C	11110 State Bridge Road	0	0	0	0	5	0	5
BL20723C	11649 Waterbury Lane	7	0	0	0	5	0	5
BL22525C	280 Broken Lance Place	0	0	0	0	5	0	5
BL22524C	280 Broken Lance Place	0	0	0	0	5	0	5
BL22544C	240 Broken Lance Place	0	0	0	0	5	0	5
BL22280C	11400 Brookhollow Trail	0	0	0	0	5	0	5
BL22176C	4380 Kimball Bridge Road	0	0	0	0	5	0	5
BL22274C	4505 Kimball Bridge Road	0	0	0	0	5	0	5
BL22276C	4505 Kimball Bridge Road	0	0	0	0	5	0	5
BL22277C	4505 Kimball Bridge Road	0	0	0	0	5	0	5
BL22237C	5035 Kimball Bridge Road	7	0	0	0	5	0	5
BL22234C	5065 Kimball Bridge Road	7	0	0	0	5	0	5
BL22174C	4395 Kimball Bridge Road	0	0	0	0	5	0	5
BL22178C	4395 Kimball Bridge Road	0	0	0	0	5	0	5
CR11852C	550 Kings Peak	0	0	5	0	5	0	5
CR12075C	8760 S. Mount Drive	0	0	5	0	5	0	5
CR20319C	135 Austry Landing Way	0	0	2	0	5	0	5
CR20320C	135 Austry Landing Way	0	0	2	0	5	0	5
BB20715C	4722 Jordan Crossing	0	0	0	0	5	0	5
BB13258C	300 Oxford Hall Drive	0	0	4	0	5	0	5
BB13323C	115 Morning Pine Court	0	0	5	0	5	0	5
BB13324C	115 Morning Pine Court	0	0	5	0	5	0	5
BB13325C	5560 Ashewoode Downs Drive	0	0	5	0	5	0	5
BB17664C	760 Vinca Court	0	0	5	0	5	0	5
BB17674C	11750 Wellsley Way	0	0	2	0	5	0	5
BB20719C	745 Kimball Parc Court	0	0	4	0	5	0	5
BB20571C	735 Kimball Parc Court	0	0	0	0	5	0	5
BB20570C	735 Kimball Parc Court	0	0	0	0	5	0	5
BB40472C	735 Kimball Parc Court	0	0	0	0	5	0	5
BB40461C	735 Kimball Parc Court	0	0	0	0	5	0	5
BB40462C	735 Kimball Parc Court	0	0	0	0	5	0	5
BB40473C	715 Kimball Parc Court	0	0	0	0	5	0	5
BB18709C	600 Kimball Parc Way	0	0	0	0	5	0	5
BB40090C	600 Kimball Parc Way	0	0	0	0	5	0	5
BB20574C	4722 Jordan Crossing	0	0	0	0	5	0	5
BB20575C	4722 Jordan Crossing	0	0	0	0	5	0	5
BB40487C	4722 Jordan Crossing	0	0	0	0	5	0	5
BB40088C	4614 Fountain Bleau Court	0	0	0	0	5	0	5
BB40089C	4614 Fountain Bleau Court	0	0	0	0	5	0	5

Pipe Improvement

Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
BL20749C	5005 Kimball Bridge Road	7	0	0	0	5	0	5
BB40015C	5425 McGinnis Ferry Road	0	0	5	0	5	0	5
BB40474C	601 Kimball Parc Way	0	0	0	0	5	0	5
BB20568C	601 Kimball Parc Way	0	0	0	0	5	0	5
BB40476C	5065 Kimball Bridge Road	7	0	0	0	5	0	5
BB20619C	11422 Brookhollow Trail	0	0	0	0	5	0	5
JC19759C	11035 Jones Bridge Road	0	0	5	0	5	0	5
BB19227C	11890 Douglas Road #101	0	0	4	0	5	0	5
BB42346C	4795 Kimball Bridge Road	0	0	0	0	5	0	5
BB40459C	4795 Kimball Bridge Road	0	0	0	0	5	0	5
BB40460C	4795 Kimball Bridge Road	0	0	0	0	5	0	5
BB40468C	4795 Kimball Bridge Road	0	0	0	0	5	0	5
BB40470C	4795 Kimball Bridge Road	0	0	0	0	5	0	5
BB40469C	4795 Kimball Bridge Road	0	0	0	0	5	0	5
JC20615C	11670 Jones Bridge Road #B	0	0	0	0	5	0	5
JC42313C	500 Camden Hall Drive	0	0	5	0	5	0	5
BL12834C	3060 Ivey Oaks Lane	0	0	3	0	5	1	6
BL12982C	315 Wentworth Trail	0	0	5	0	5	1	6
BL13209C	10175 Barston Court	0	0	5	0	5	1	6
BL10211C	3490 Jones Ferry Lane	0	0	5	0	5	1	6
BL10192C	3720 Jones Ferry Lane	0	0	5	0	5	1	6
BL12927C	10315 Old Woodland Entry	0	0	5	0	5	1	6
BL12926C	10300 Old Woodland Entry	0	0	5	0	5	1	6
BL10217C	3570 Jones Ferry Lane	0	0	5	0	5	1	6
BL13161C	325 Wyehwood Court	0	0	5	0	5	1	6
BL19246C	335 Longmoor Way	0	0	5	0	5	1	6
BL19226C	235 Tawneywood Way	0	0	5	0	5	1	6
BL21349C	3286 Old Alabama Road	0	0	5	0	5	1	6
BL22597C	10094 Inisfree Drive	0	0	5	0	5	1	6
BL22187C	10065 Old Woodland Entry	0	0	5	0	5	1	6
BL22192C	10270 Piney Ridge Walk	0	0	5	0	5	1	6
CR12251C	2965 Georgian Manor Drive	0	0	5	0	5	1	6
CR12398C	815 Kings Arms Way	0	0	5	0	5	1	6
CR12343C	2835 Arbor Woods Drive	0	0	5	0	5	1	6
CR12222C	761 Ashley Glen Lane	0	0	5	0	5	1	6
CR12234C	9185 Mackinac Drive	0	0	5	0	5	1	6
CR12238C	9185 Mackinac Drive	0	0	4	0	5	1	6
CR12345C	115 Fox Grape Lane	0	0	4	0	5	1	6
CR12380C	655 Arboreal Court	0	0	5	0	5	1	6
CR12383C	730 Arborside Court	0	0	5	0	5	1	6
CR12390C	3183 Arbor Woods Drive	0	0	3	0	5	1	6
CR12396C	3225 Arbor Woods Drive	0	0	5	0	5	1	6
CR12366C	3060 Pillement Place	0	0	5	0	5	1	6
CR12392C	3095 Pillement Place	0	0	5	0	5	1	6
CR12445C	3085 Hartridge Drive	0	0	5	0	5	1	6
CR12313C	2720 Abbottswell Drive	0	0	5	0	5	1	6
CR12505C	200 Vidaulan Court	0	0	4	0	5	1	6
CR12492C	600 Saint Regis Lane	0	0	5	0	5	1	6
CR12493C	600 Saint Regis Lane	0	0	4	0	5	1	6
CR12514C	660 Saint Regis Lane	0	0	5	0	5	1	6
CR12501C	575 Saint Regis Lane	0	0	5	0	5	1	6
CR12502C	575 Saint Regis Lane	0	0	4	0	5	1	6
CR12783C	9875 Talisman Drive	0	0	5	0	5	1	6
CR12173C	105 River Point Court	0	0	5	0	5	1	6
CR12175C	205 Ridge Point Court	0	0	5	0	5	1	6
CR12177C	205 Ridge Point Court	0	0	5	0	5	1	6
CR21161C	9750 Hunts Pointe Drive	0	0	5	0	5	1	6
CR22783C	3295 Lord N Lady Lane	0	0	5	0	5	1	6
CR21224C	9830 Foxworth Drive	0	0	5	0	5	1	6
CR15722C	10305 Meadow Crest Lane	0	0	5	0	5	1	6
CR15724C	10290 Meadow Crest Lane	0	0	4	0	5	1	6
CR14384C	100 Pine Mist Circle	0	0	5	0	5	1	6
CR14387C	110 Pine Mist Circle	0	0	5	0	5	1	6
CR14386C	105 Pine Mist Circle	0	0	5	0	5	1	6
CR14392C	720 Pine Leaf Court	0	0	5	0	5	1	6
CR14363C	10095 High Falls Pointe	0	0	4	0	5	1	6
CR14361C	10140 High Falls Pointe	0	0	5	0	5	1	6
CR14417C	720 Falls Landing Court	0	0	5	0	5	1	6
CR14440C	130 Club Falls Drive	0	0	5	0	5	1	6

Pipe Improvement

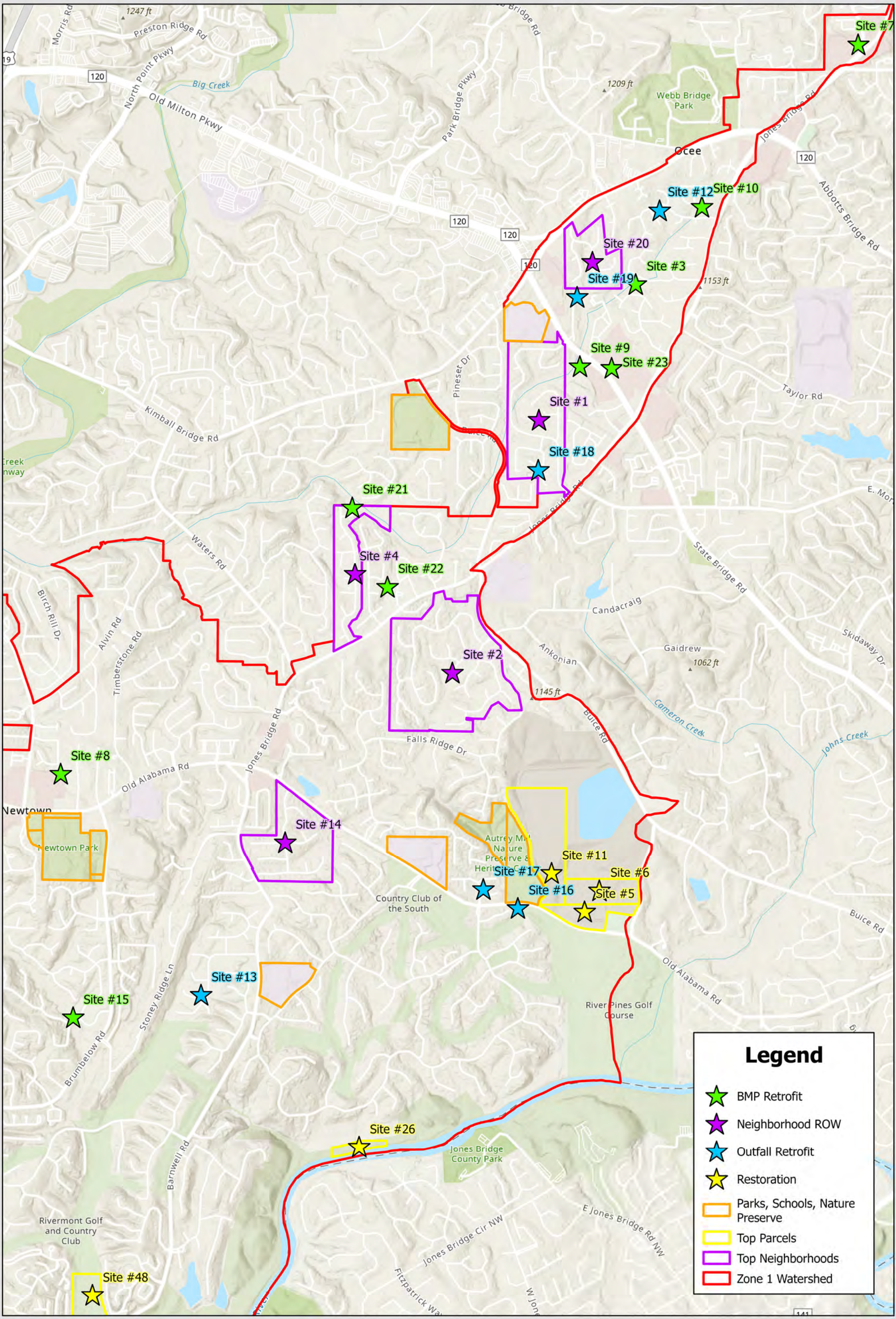
Feature ID	Closest Address	Undersized Pipe Score	Overtopping Score	Diameter Score	CMP Score	Owner Score	Condition Score	Total Score
CR14493C	430 Autry Mill Circle	0	0	5	0	5	1	6
CR14498C	415 Autry Mill Circle	0	0	4	0	5	1	6
CR14453C	420 Autry Ridge Point	0	0	5	0	5	1	6
CR14455C	315 Falls Ridge Cove	0	0	5	0	5	1	6
CR14312C	4000 Falls Ridge Drive	0	0	4	0	5	1	6
CR21749C	905 Tresillian Court	0	0	5	0	5	1	6
CR18533C	520 Dartington Way	0	0	4	0	5	1	6
CR18541C	4410 Burgess Hill Lane	0	0	4	0	5	1	6
CR14626C	10420 Oxford Mill Circle	0	0	5	0	5	1	6
CR19928C	9820 Nesbit Ferry Road	0	0	5	0	5	1	6
CR21180C	3655 Old Alabama Road	0	0	5	0	5	1	6
CR21192C	4100 Old Alabama Road	0	0	5	0	5	1	6
CR20099C	10280 Buice Road	0	0	4	0	5	1	6
CR20116C	10280 Buice Road	0	0	5	0	5	1	6
CR19930C	3440 Old Alabama Road	0	0	5	0	5	1	6
CR20104C	4355 Autry Way	0	0	5	0	5	1	6
CR20100C	10365 Autry Place	0	0	4	0	5	1	6
CR20108C	10365 Autry Place	0	0	5	0	5	1	6
CR21922C	10365 Autry Place	0	0	5	0	5	1	6
CR21344C	9110 Brumbelow Road	0	0	5	0	5	1	6
CR47105C	10325 Autry Place	0	0	5	0	5	1	6
CR47109C	10375 Autry Place	0	0	5	0	5	1	6
BL12825C	2925 Ivey Ridge Lane	0	0	5	0	5	0	5
BL12833C	3115 Ivey Oaks Lane	0	0	5	0	5	0	5
BL13074C	10055 Anaheim Drive	0	0	5	0	5	0	
BL12992C	101 Wentworth Terrace	0	0	5	0	5	0	
BL19851C	10950 Indian Village Drive	0	0	0	0	5	0	
CR11823C	360 Driver Circle Court	0	0	5	0	5	0	
CR11708C	505 Niagara Circle	0	0	5	0	5	0	
CR12034C	530 Chimney Bluff	0	0	5	0	5	0	
CR12796C	9798 Almaviva Drive	0	0	5	0	5	0	
CR21206C	2785 Old Alabama Road	0	0	5	0	5	0	
CR11797C.1	350 Spyglass Bluff Drive	0	0	5	0	0	5	
CR12015C	8560 Colony Club Drive	0	0	5	0	5	1	
BL18628C	700 Milton Oaks Drive	0	0	1	0	0	1	
BL22272C	315 Milton Oaks Circle	0	0	3	0	0	1	
BL22270C	700 Milton Oaks Drive	0	0	3	0	0	1	
BL22441C	96 Caswyck Trace	0	0	5	0	0	1	
CR10052C	3580 River Trace Drive	0	0	5	0	0	1	
CR10047C	360 Landing Entry	0	0	4	0	0	1	
CR21852C	220 Coosa Lane	0	0	5	0	0	1	
CR11772C	355 Parsons Branch	0	0	5	0	0	1	
CR12348C	2875 Arbor Woods Drive	0	0	2	0	0	1	
CR14172C	9960 High Falls Pointe	0	0	4	0	0	1	
CR12522C	280 Vidaulan Court	0	0	5	0	0	3	3
BL18656C	245 Jones Bridge Place Circle	0	0	5	0	0	1	1
BL18655C	4835 Jones Bridge Place Drive	0	0	5	0	0	1	1
BL22273C	320 Milton Oaks Circle	0	0	5	0	0	1	1
BL13100C	10004 Inisfree Drive	0	0	5	0	0	2	2
CR14171C	887 Autry Oak Court	0	0	5	0	0	1	1
CR14173C	210 Bright Water Cove	0	0	5	0	0	1	1
CR47191C	9960 High Falls Pointe	0	0	4	0	0	1	1
BL22554C	4290 Noor View Court	0	0	5	0	0	1	1

Property Conservation

Parcel ID	Address	Percent in Floodplain Score	Cost Per Acre Score	Parcel Area Score	Ownership Score	Stream Length Score	Total Score
11 042001410090		4	16	16	20	12	68
11 041001450056		4	12	20	20	12	68
11 041001390013	9770 Autry Mill Road	4	20	20	20	12	76
11 023000070069		4	20	12	20	8	64
11 022000650144	9098 Barkston Drive	4	20	20	12	4	60
11 041001450049		4	16	16	20	4	60
12 322008870050		12	20	20	4	4	60
11 017100770982	10769 Plantation Bridge Drive	12	20	12	4	12	60
11 022100670273	925 Hurleston Lane	16	16	8	12	8	60
12 320008900307	3130 Rivermont Parkway	8	16	20	4	20	68
12 320008900307	3130 Rivermont Parkway	8	16	20	4	20	68
11 042001430023	4775 Old Alabama Road	4	20	20	12	4	60
11 021000640311		4	20	12	4	16	56
12 308008320519	8483 Holcomb Bridge Road	4	16	12	4	8	44
12 321008880093		12	20	20	4	8	64
11 037001542108	11075 State Bridge Road	4	12	12	4	12	44
12 306408390819	9155 Nesbit Ferry Road	4	20	12	4	16	56
12 304108690414	9885 Rod Road	4	20	8	12	8	52
12 304108690414	9885 Rod Road	4	20	8	12	8	52
12 318008950488	9700 Brumbelow Road	4	16	4	20	8	52
12 318008950090		4	16	12	20	8	60
12 307008330197		4	20	16	4	16	60
11 031001020116	4100 Old Alabama Road	4	16	16	12	8	56
11 032001030196		4	20	20	4	8	56
11 032001030196		4	20	20	4	8	56
11 032001030196		4	20	20	4	8	56
11 032001030196		4	20	20	4	8	56
11 036001550509	11201 State Bridge Road	4	8	20	4	12	48
11 037001541555		4	20	8	4	4	40
11 035001572273		4	20	8	4	12	48
11 040001380032		4	16	20	20	12	72
11 010400270837	1050 Bedford Gardens Drive	4	16	12	4	8	44
11 010400660284	1010 Downing Street	8	16	8	4	8	44
11 040001370108		4	16	20	20	8	68
12 291008170185	9855 Nesbit Ferry Road	4	16	20	4	8	52
12 308008320410	8465 Holcomb Bridge Road #	4	12	16	4	12	48
11 036201561132	11375 Brookhollow Trail	4	20	8	4	8	44
12 318108940918	3255 Kingshouse Commons	4	20	8	4	8	44
11 022100670026	9035 Old Southwick Pass	12	12	8	12	0	44
11 021300640425	4035 Old Southwick Pass	4	12	8	12	8	44
11 037001542025		4	20	8	4	8	44
11 010000200481	374 Citadella Court	4	12	8	12	4	40
11 019000601317		4	20	8	4	4	40
11 041001460063		4	20	20	20	0	64
11 007300340835	866 Braesridge Way	4	20	8	4	12	48
11 030001000235		4	20	8	4	12	48
11 020000710926		4	20	8	12	4	48
12 320008910595	9241 Brumbelow Road	8	16	8	4	8	44
12 319009270140		4	20	8	4	8	44
11 043000130028		4	20	20	4	8	56
12 318108940751	260 Lochan Cove	4	12	4	12	8	40
11 037301310156	10985 Spotted Pony Trail	8	16	4	4	8	40
11 041001450031	9750 Spruill Road	4	16	20	20	0	60
11 040001470411		4	20	8	20	8	60
11 010000280426		4	20	8	4	4	40
12 32220877C01		4	20	20	4	12	60
11 040001470403		3	16	12	20	8	59

APPENDIX F

Field Investigation Data

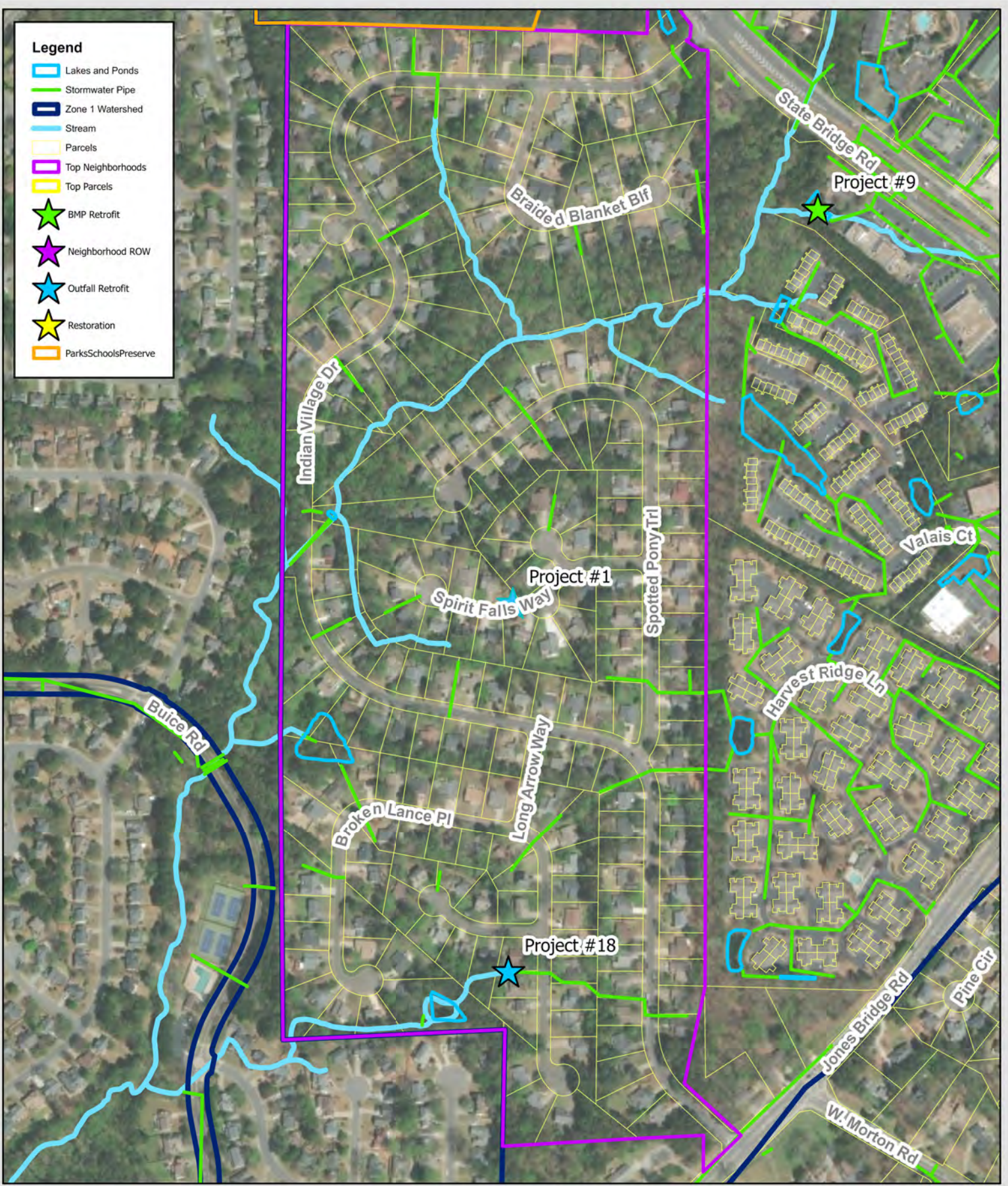


Legend

- ★ BMP Retrofit
- ★ Neighborhood ROW
- ★ Outfall Retrofit
- ★ Restoration
- Parks, Schools, Nature Preserve
- Top Parcels
- Top Neighborhoods
- Zone 1 Watershed

Legend

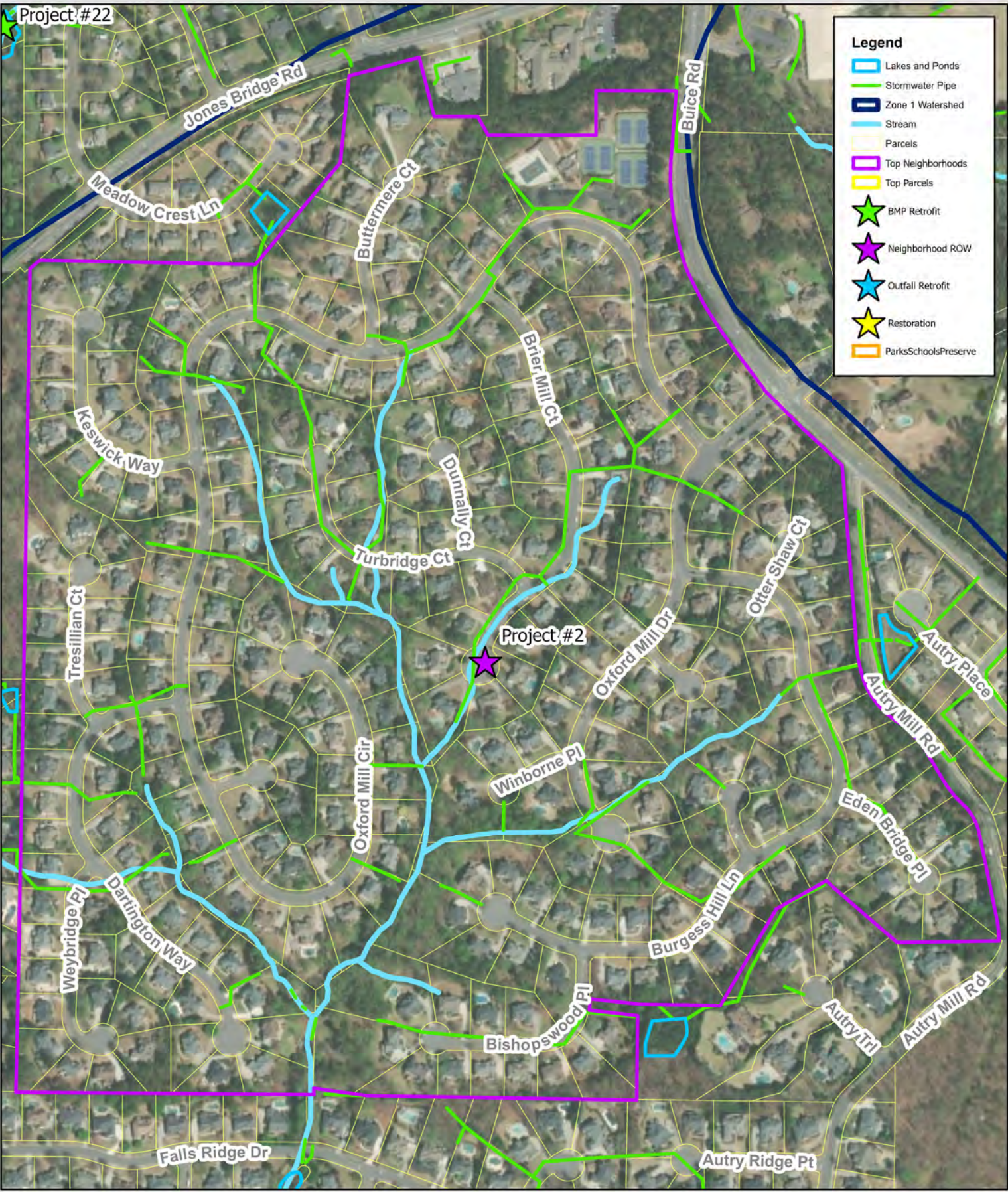
-  Lakes and Ponds
-  Stormwater Pipe
-  Zone 1 Watershed
-  Stream
-  Parcels
-  Top Neighborhoods
-  Top Parcels
-  BMP Retrofit
-  Neighborhood ROW
-  Outfall Retrofit
-  Restoration
-  ParksSchoolsPreserve



Project #22

Legend

-  Lakes and Ponds
-  Stormwater Pipe
-  Zone 1 Watershed
-  Stream
-  Parcels
-  Top Neighborhoods
-  Top Parcels
-  BMP Retrofit
-  Neighborhood ROW
-  Outfall Retrofit
-  Restoration
-  ParksSchoolsPreserve





Legend

- ▭ Lakes and Ponds
- ▭ Stormwater Pipe
- ▭ Zone 1 Watershed
- ▭ Stream
- ▭ Parcels
- ▭ Top Neighborhoods
- ▭ Top Parcels
- ★ BMP Retrofit
- ★ Neighborhood ROW
- ★ Outfall Retrofit
- ★ Restoration
- ▭ ParksSchoolsPreserve

Site 3

Submitted By: FieldUser29

Submitted Time: August 1, 2023 11:04 AM

Site Location:

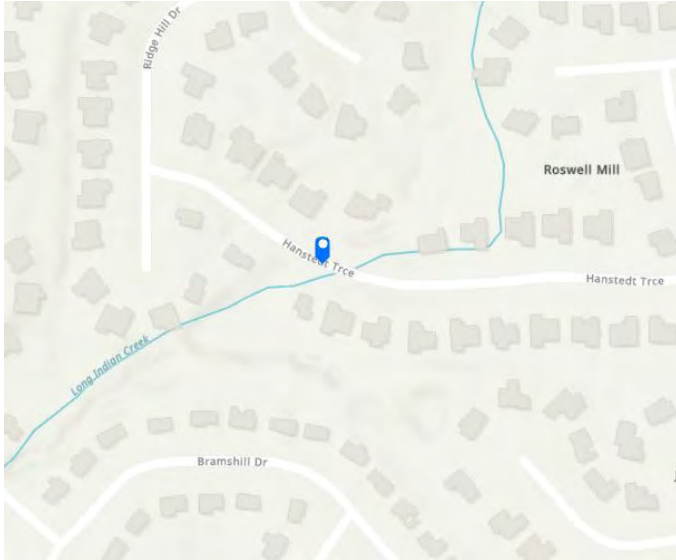


Photo ID:

Site 3 (project 3)

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Wet Detention Basin, Stormwater Wetland, Bioretention, Grassed Swale, Filter Strip

Suggested Course of Action

Retrofit

Site Description

Stream piped across road with Culvert crossing into in line detention pond

Potential Benefits

Pollutant/Sed. Removal, Reduce Peak Runoff, Biological Treatment

Constraints:

Grading

>2 feet

Utilities

Sewer, High Voltage/Standard Electric

Accessibility

Fair

Archaeology

Unknown

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban

Drainage Infrastructure

Horizontal addition

Other Considerations

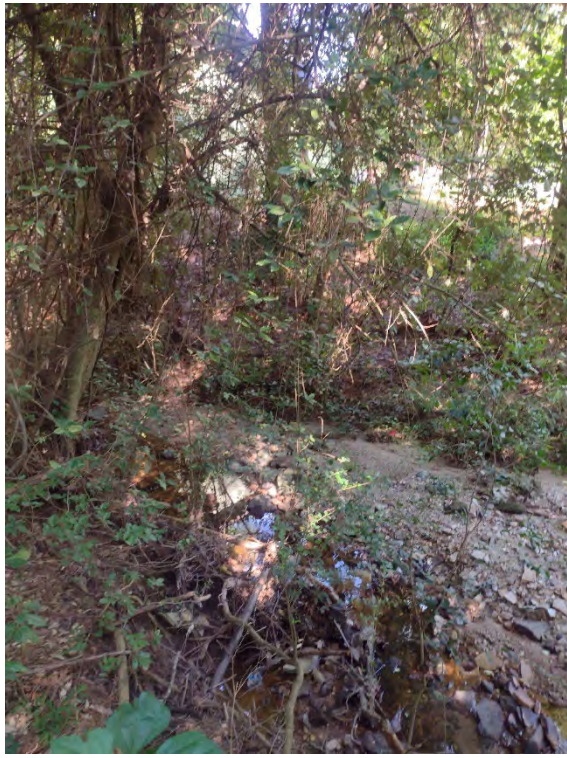
Tree Impacts, Wetland Impacts

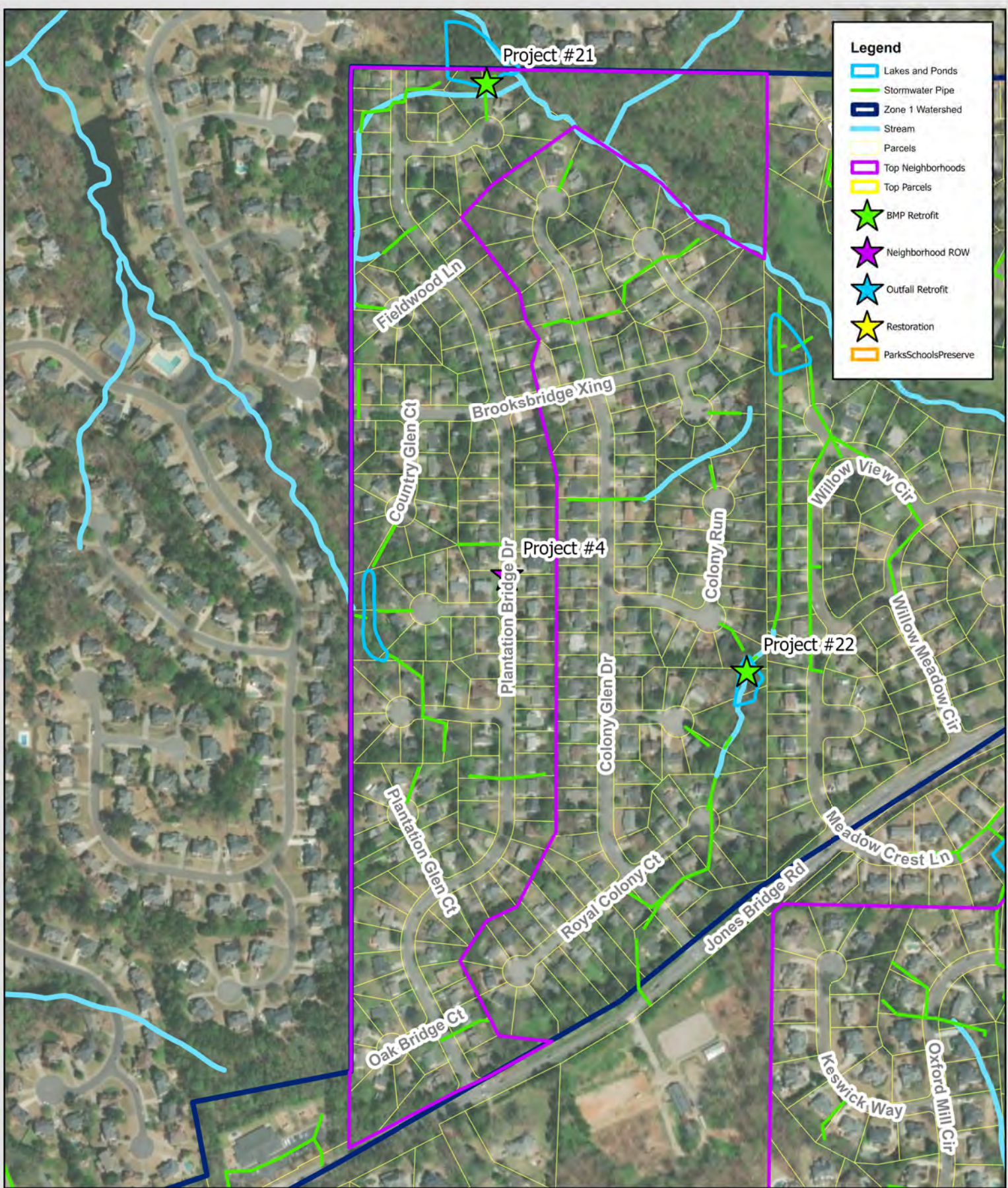
Comments

Potential for horizontal additions in right of way and also open field lot. Potential for modification to the outfall culvert to detain additional water (weir addition). Constructed wetland potential

Additional Photos







Legend

- ▭ Lakes and Ponds
- ▭ Stormwater Pipe
- Zone 1 Watershed
- ▭ Stream
- Parcels
- Top Neighborhoods
- Top Parcels
- ★ BMP Retrofit
- ★ Neighborhood ROW
- ★ Outfall Retrofit
- ★ Restoration
- ParksSchoolsPreserve



Site 5/6/11

Submitted By: FieldUser29

Submitted Time: August 2, 2023 10:44 AM

Site Location:

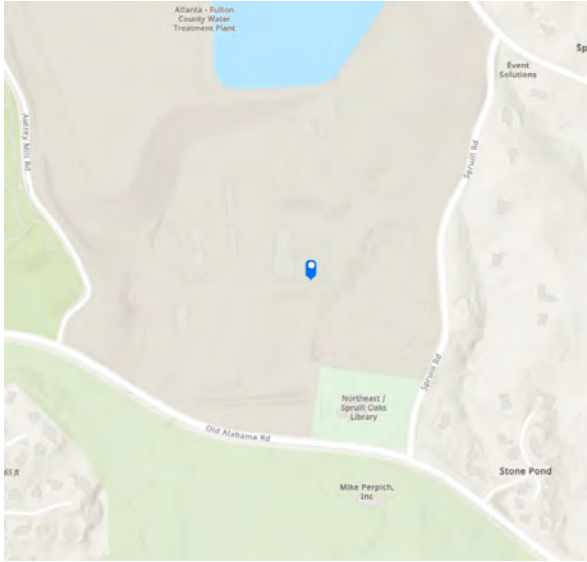


Photo ID:

Site 5 (treatment plant)

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Other

If Other:

Stream bank stabilization

Suggested Course of Action

New SCM

Site Description

Rip rap lined intermittent stream with well established riparian buffer through the field. Upstream side in forest has some major erosion cuts.

Constraints:

Grading

>2 feet

Accessibility

Fair

Archaeology

Unknown

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban

Drainage Infrastructure

Vertical retrofit, Horizontal addition

Maintenance

Mowing, Sediment Removal

Other Considerations

Wetland Impacts

Comments

West stream CMPs appear to be in deteriorating condition. Head wall pipe coming to stream is buried

Additional Photos







Legend

- ▭ Lakes and Ponds
- ▭ Stormwater Pipe
- ▭ Zone 1 Watershed
- ▭ Stream
- ▭ Parcels
- ▭ Top Neighborhoods
- ▭ Top Parcels
- ★ BMP Retrofit
- ★ Neighborhood ROW
- ★ Outfall Retrofit
- ★ Restoration
- ▭ ParksSchoolsPreserve

Site 7

Submitted By: FieldUser29

Submitted Time: August 1, 2023 9:08 AM

Date of Evaluation:

August 1, 2023 8:42 AM

Site Location:

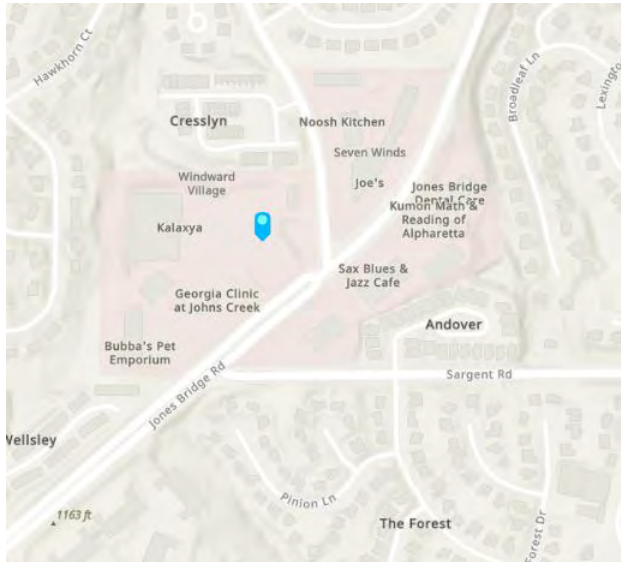


Photo ID:

Site 7

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Wet Detention Basin

Suggested Course of Action

Retrofit

Site Description

Wet storm water detention pond that collects runoff from the Kroger parking lot and nearby roads

Potential Benefits

Pollutant/Sed. Removal, Reduce Peak Runoff, Biological Treatment

Constraints:

Grading

>2 feet

Utilities

None

Accessibility

Poor

Archaeology

Unknown

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban

Drainage Infrastructure

Horizontal addition

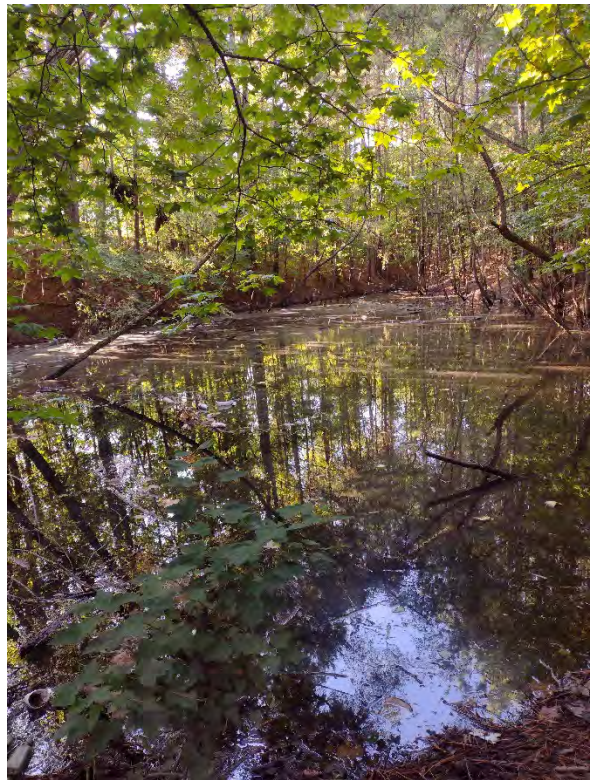
Maintenance

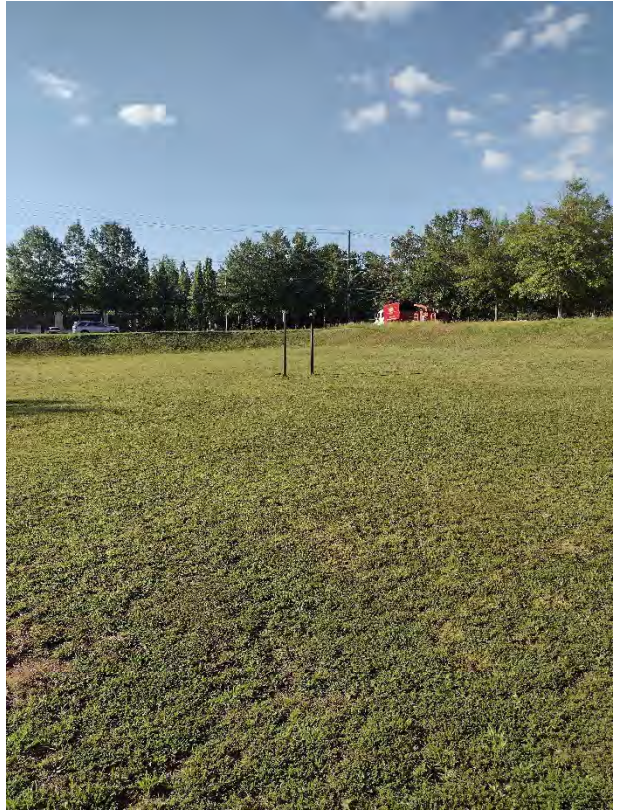
Pest Control, Sediment Removal

Other Considerations

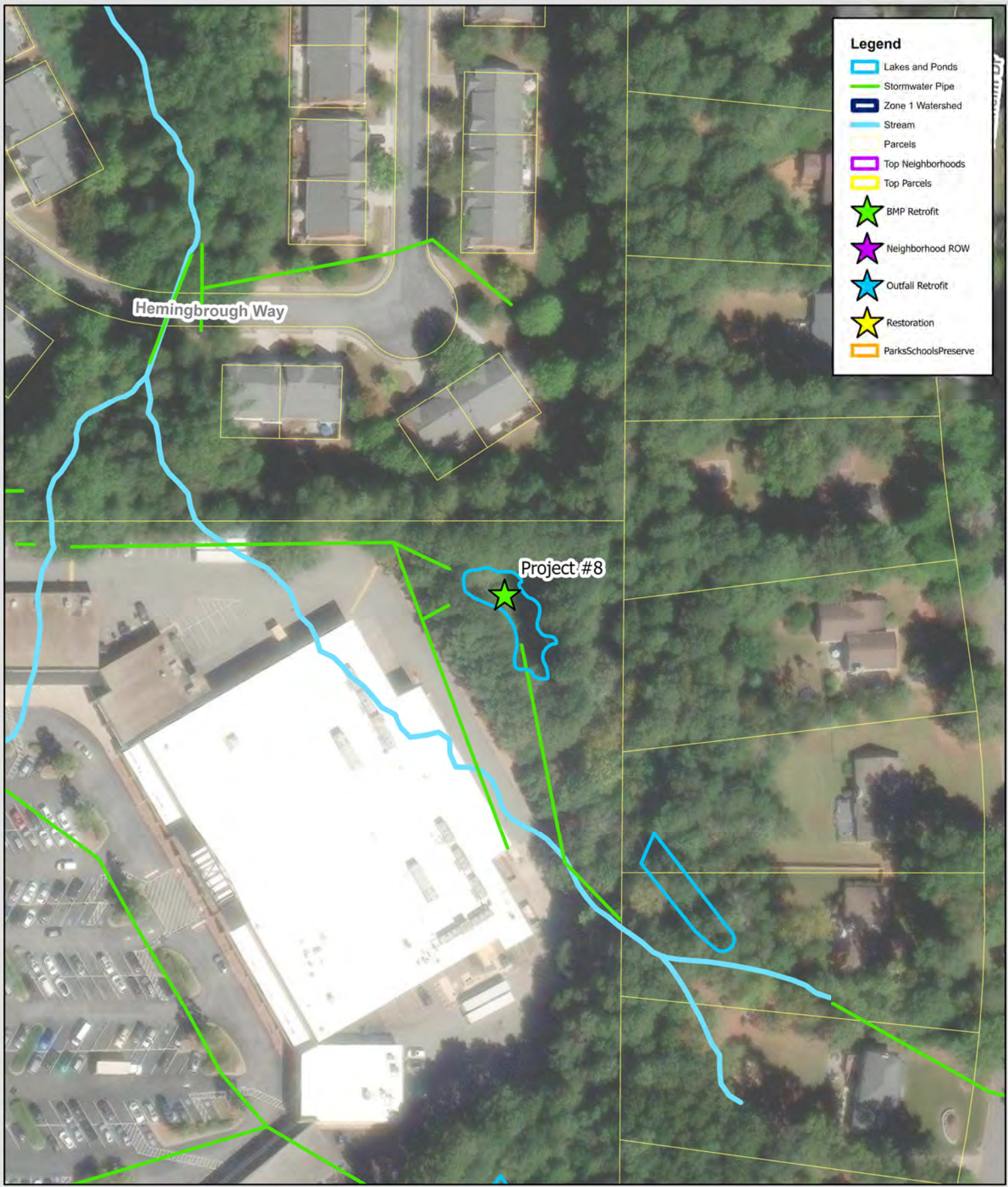
Tree Impacts

Additional Photos:









Site 8

Submitted By: FieldUser29

Submitted Time: August 1, 2023 2:16 PM

Date of Evaluation:

August 1, 2023 2:16 PM

Site Location:

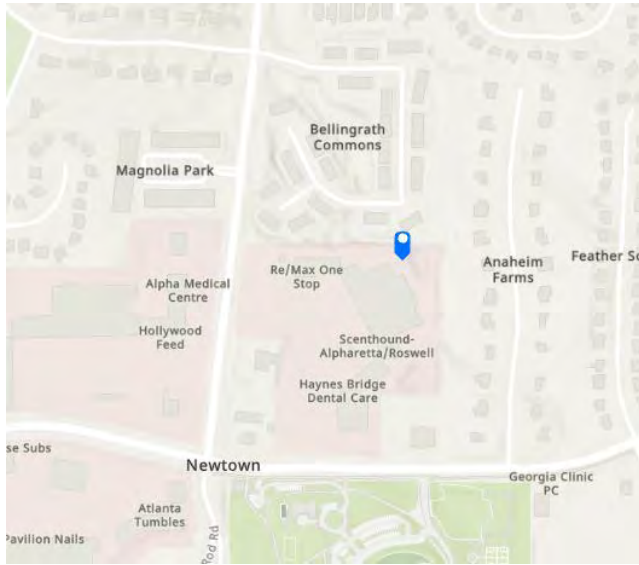


Photo ID:

Site 8

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Dry Detention Basin, Bioretention, Other

Suggested Course of Action

Retrofit

Site Description

Dry detention pond behind Publix. Surrounded by pine trees

Potential Benefits

Pollutant/Sed. Removal, Reduce Peak Runoff, Biological Treatment

Constraints:**Grading**

>2 feet

Utilities

None

Accessibility

Fair

Archaeology

Unknown

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban

Drainage Infrastructure

Vertical retrofit, Major infrastructure

Maintenance

Pest Control, Other

Other Considerations

Tree Impacts

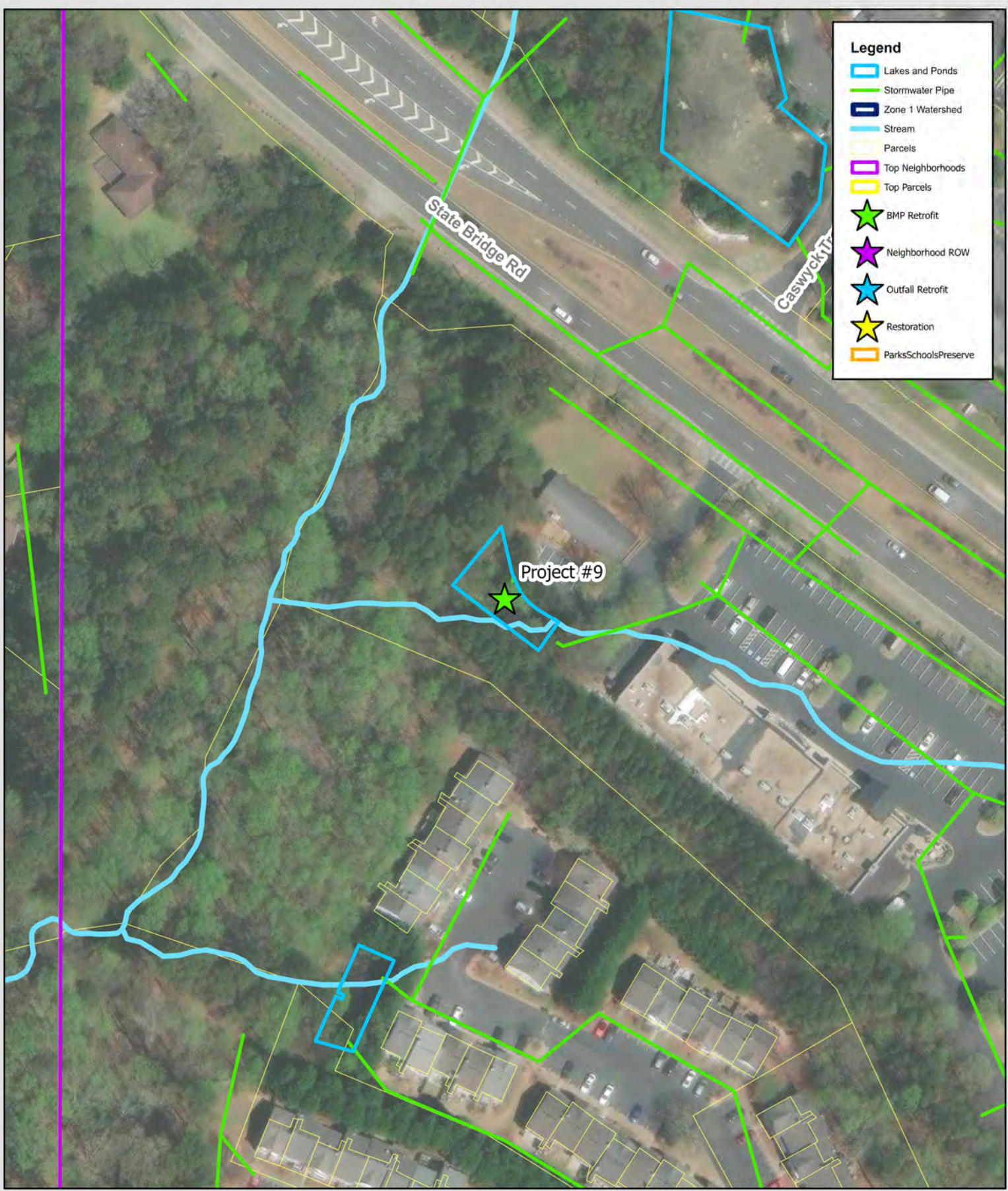
Comments

Potential for vertical retrofit or horizontal addition.

Additional Photos:







Site 9

Submitted By: FieldUser29

Submitted Time: August 1, 2023 11:46 AM

Date of Evaluation:

August 1, 2023 11:45 AM

Site Location:

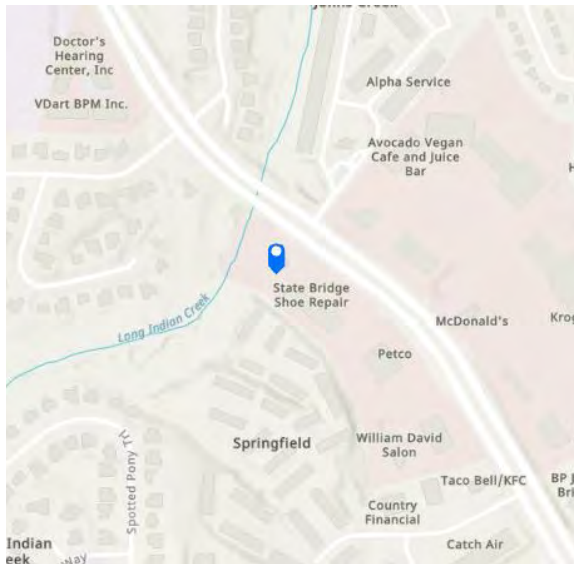


Photo ID:

Site 9

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Stormwater Wetland, Bioretention, Filter Strip

Suggested Course of Action

New SCM

Site Description

Detention pond for a shopping center

Potential Benefits

Biological Treatment

Constraints:**Grading**

1-2 feet

Utilities

None

Accessibility

Fair

Archaeology

None

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban

Drainage Infrastructure

Horizontal addition

Other Considerations

Tree Impacts

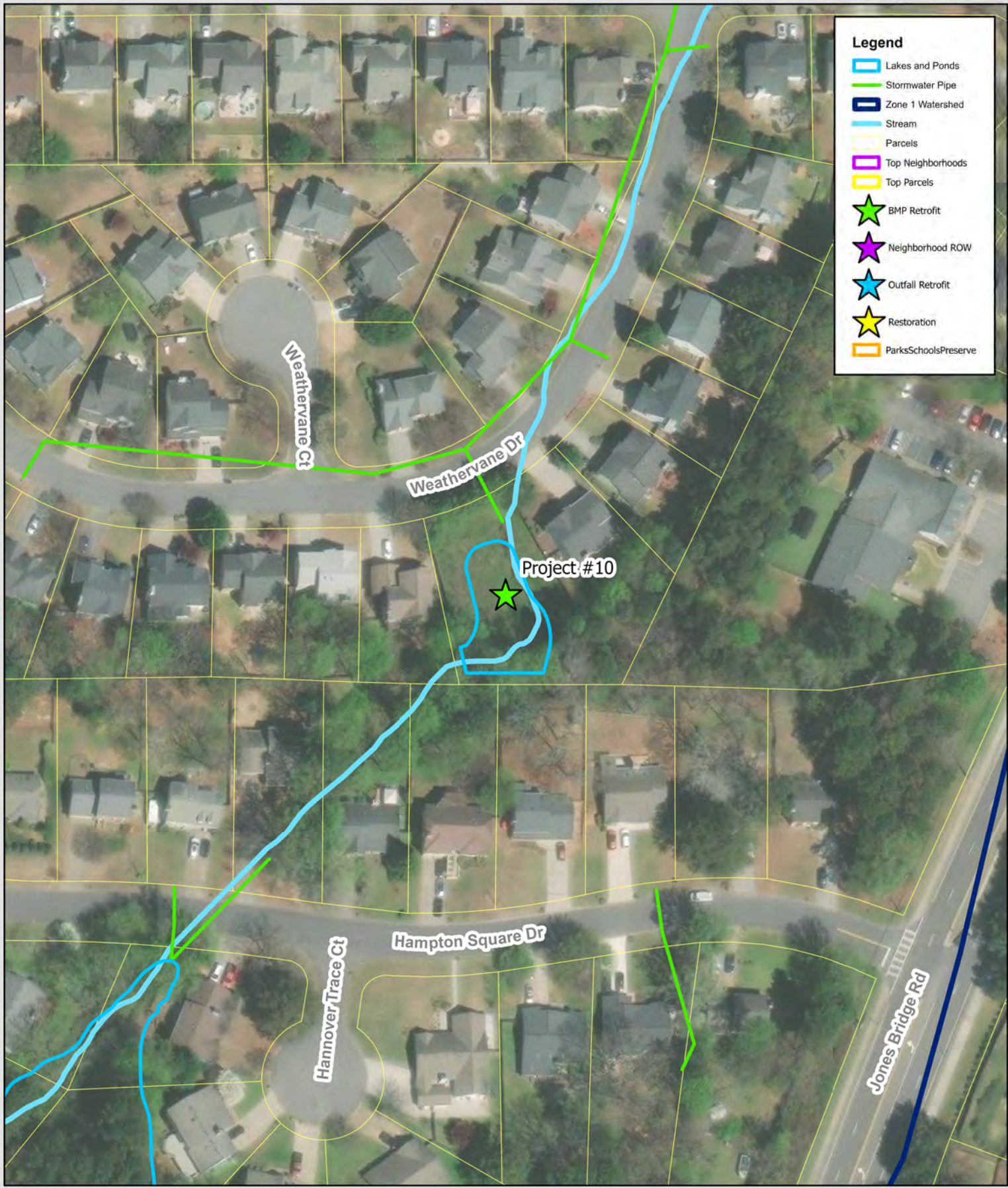
Comments

Potential for constructed Wetland. Horizontal additions upstream of detention pond such as RSC or storm water garden. Abandoned house property has open space that could be worked with.

Additional Photos:







Legend	
	Lakes and Ponds
	Stormwater Pipe
	Zone 1 Watershed
	Stream
	Parcels
	Top Neighborhoods
	Top Parcels
	BMP Retrofit
	Neighborhood ROW
	Outfall Retrofit
	Restoration
	ParksSchoolsPreserve

Site 10

Submitted By: FieldUser29

Submitted Time: August 1, 2023 9:17 AM

Date of Evaluation:

August 1, 2023 9:10 AM

Site Location:

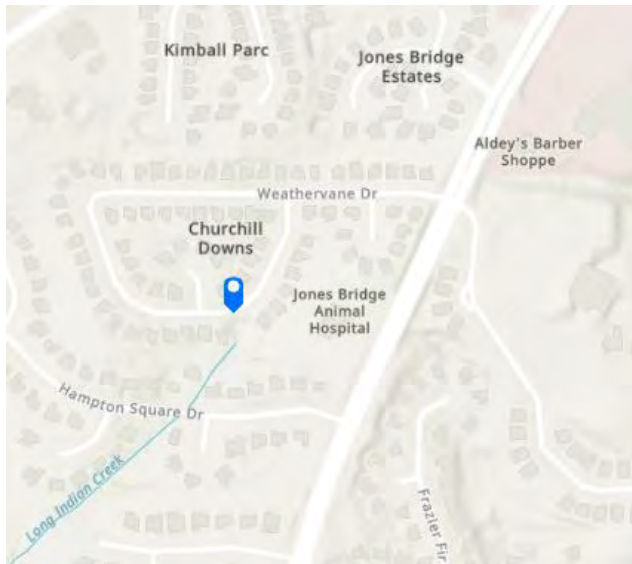


Photo ID:

Site 10

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Dry Detention Basin

Suggested Course of Action

Retrofit

Site Description

Dry detention pond in a residential area

Potential Benefits

Pollutant/Sed. Removal, Reduce Peak Runoff, Biological Treatment

Constraints:

Grading

1-2 feet

Utilities

Sewer

Accessibility

Fair

Archaeology

Unknown

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban

Drainage Infrastructure

Horizontal addition

Maintenance

Pest Control

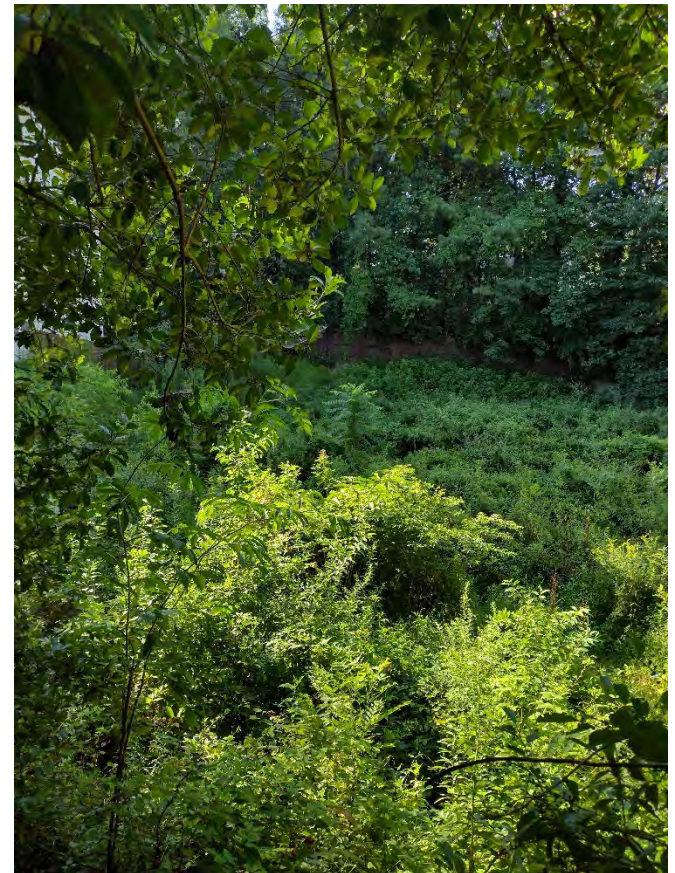
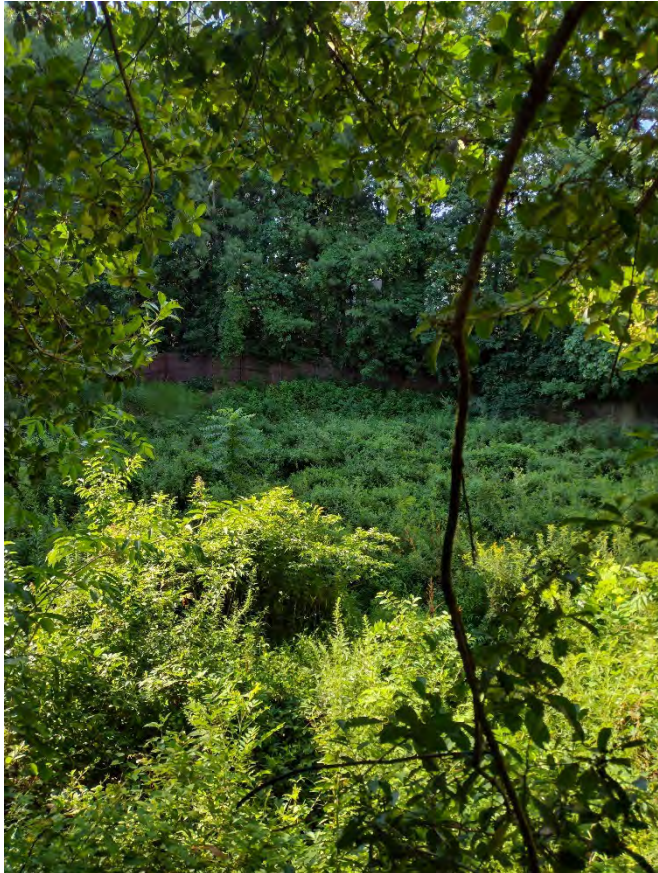
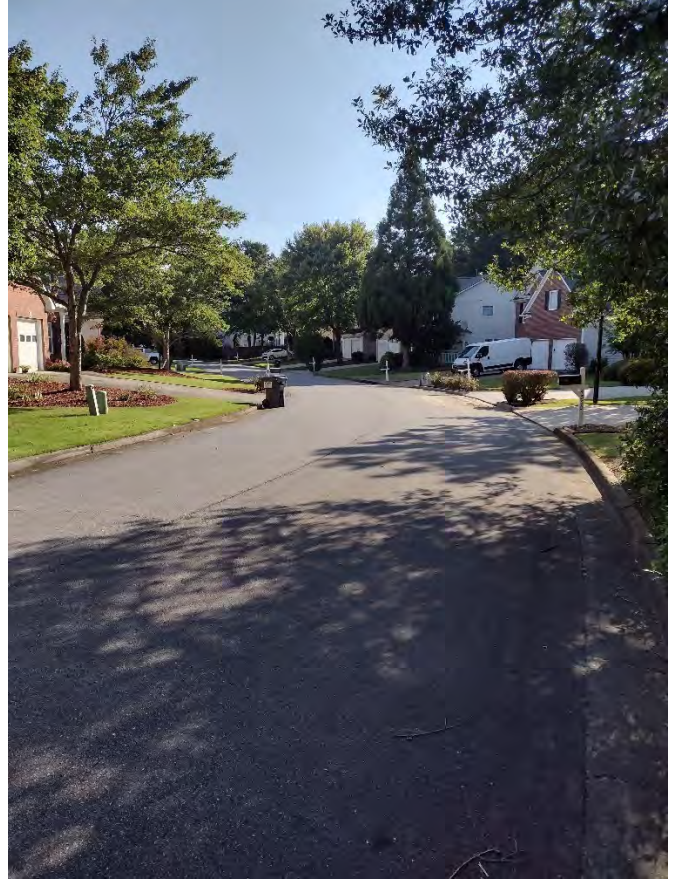
Other Considerations

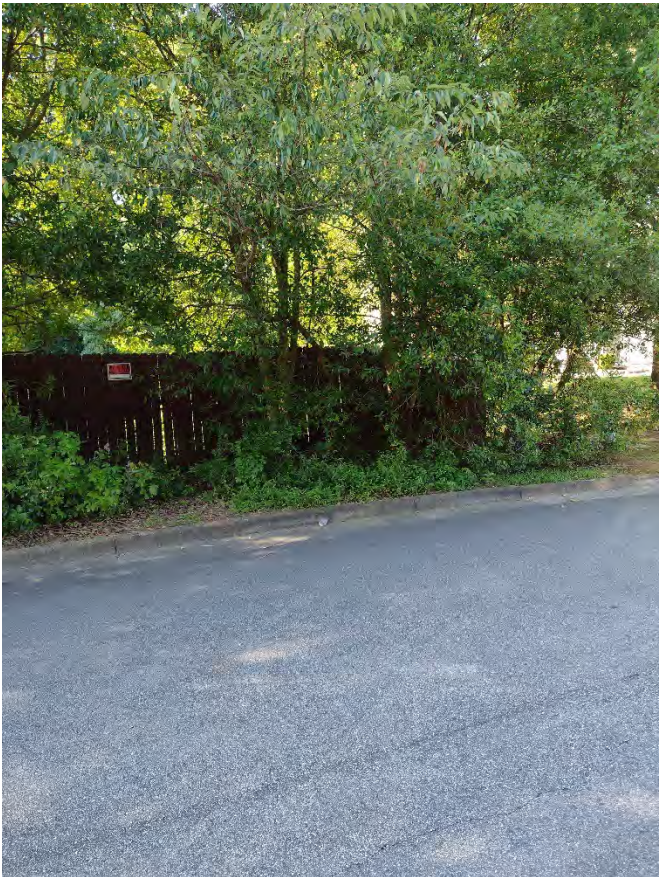
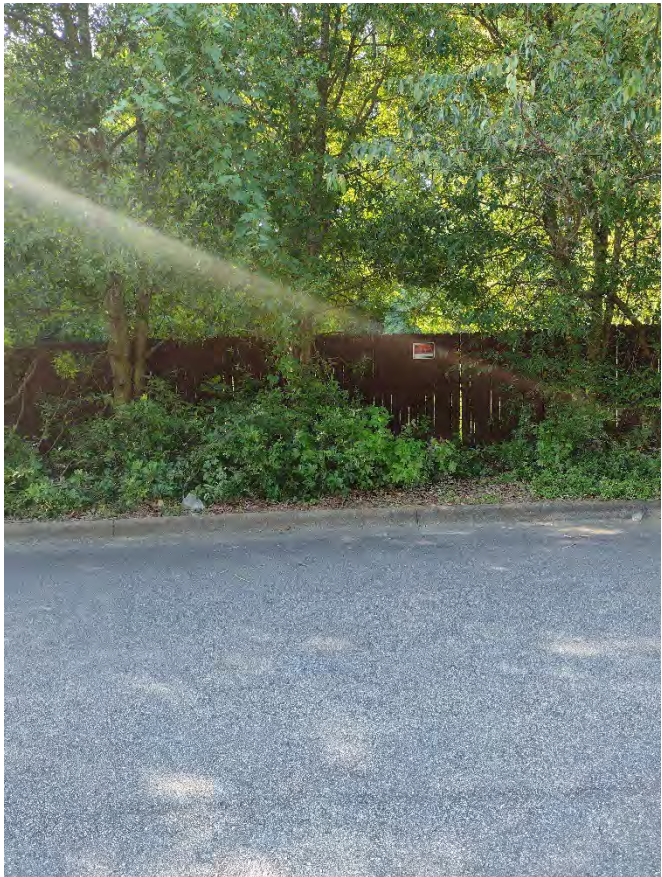
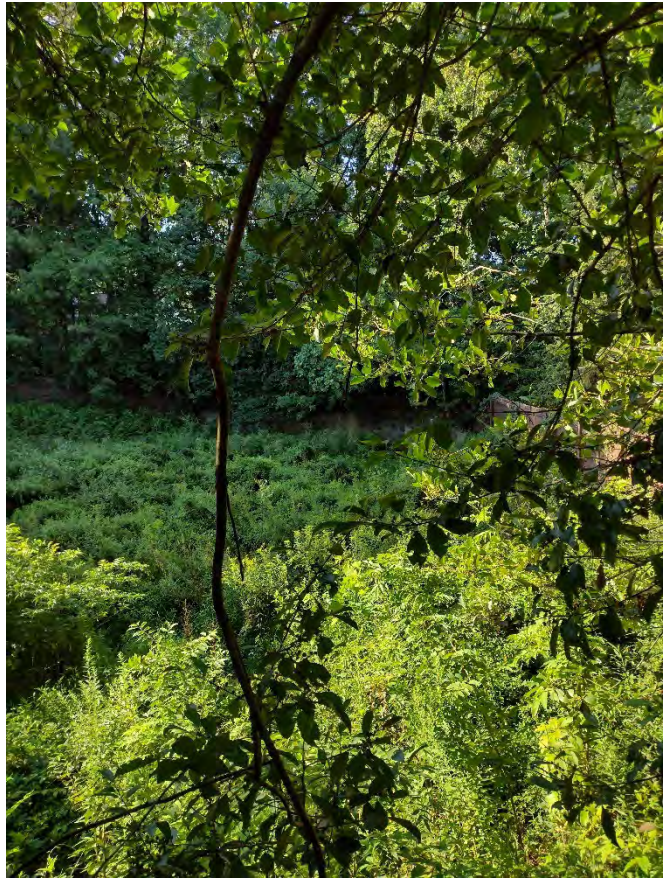
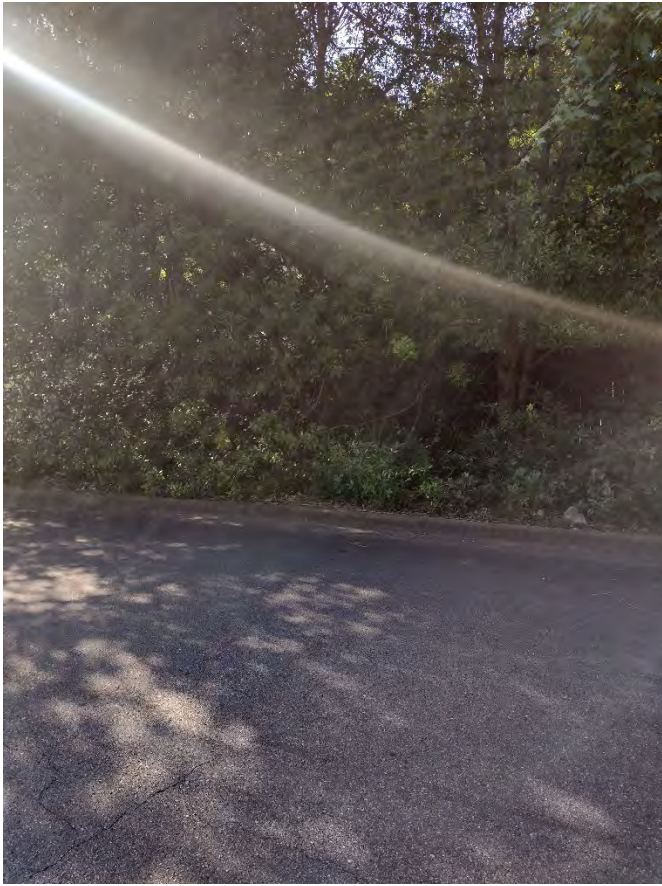
Tree Impacts

Comments

Small detention pond - some possible horizontal pretreatment (bioretention or rain garden)

Additional Photos:







Site 12

Submitted By: FieldUser29

Submitted Time: August 1, 2023 9:36 AM

Site Location:

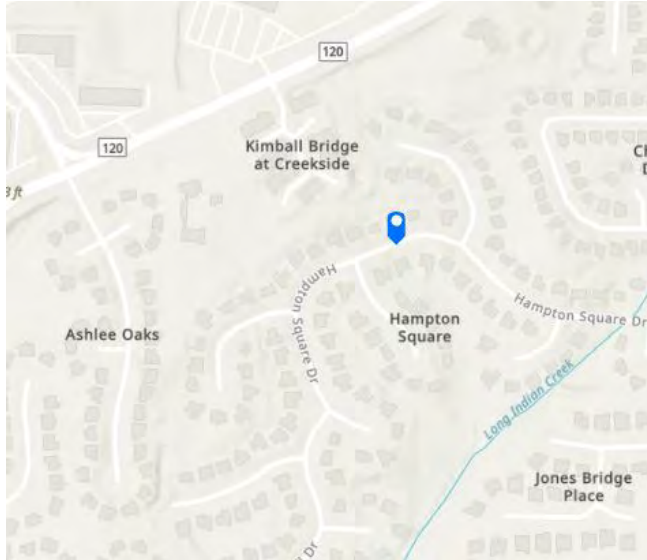


Photo ID:

Site 12

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Grassed Swale, Filter Strip

Suggested Course of Action

Retrofit

Site Description

Neighborhood site - not accessible. Creek area is fenced in running between properties

Potential Benefits

Biological Treatment

Constraints:**Grading**

1-2 feet

Utilities

Sewer

Accessibility

Poor

Archaeology

Unknown

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban

Drainage Infrastructure

Horizontal addition

Maintenance

Other

Other Considerations

Tree Impacts

Comments













Creek area is fenced in and not accessible. Some minor potential for street adjacent rain gardens.

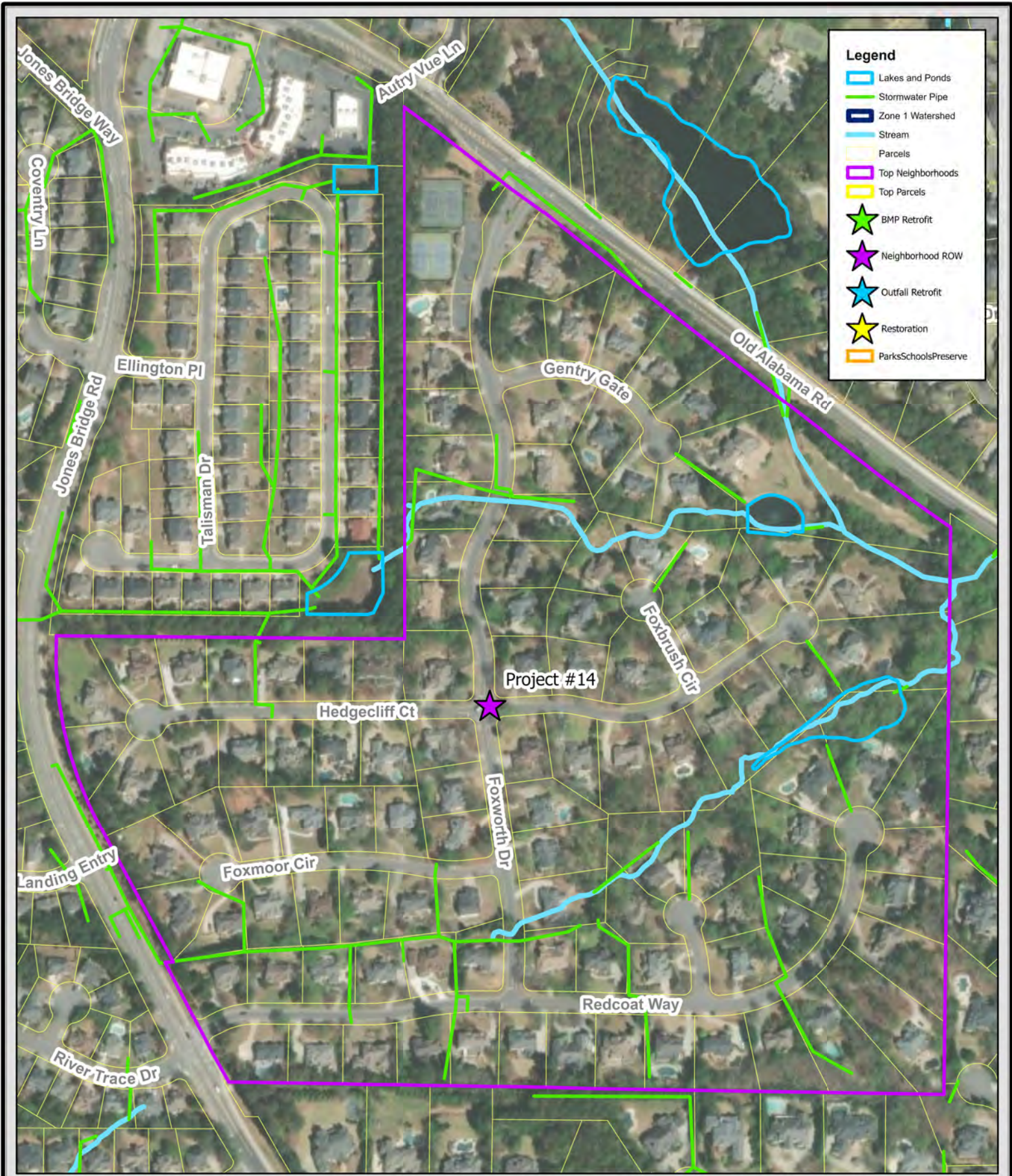
Additional Photos:

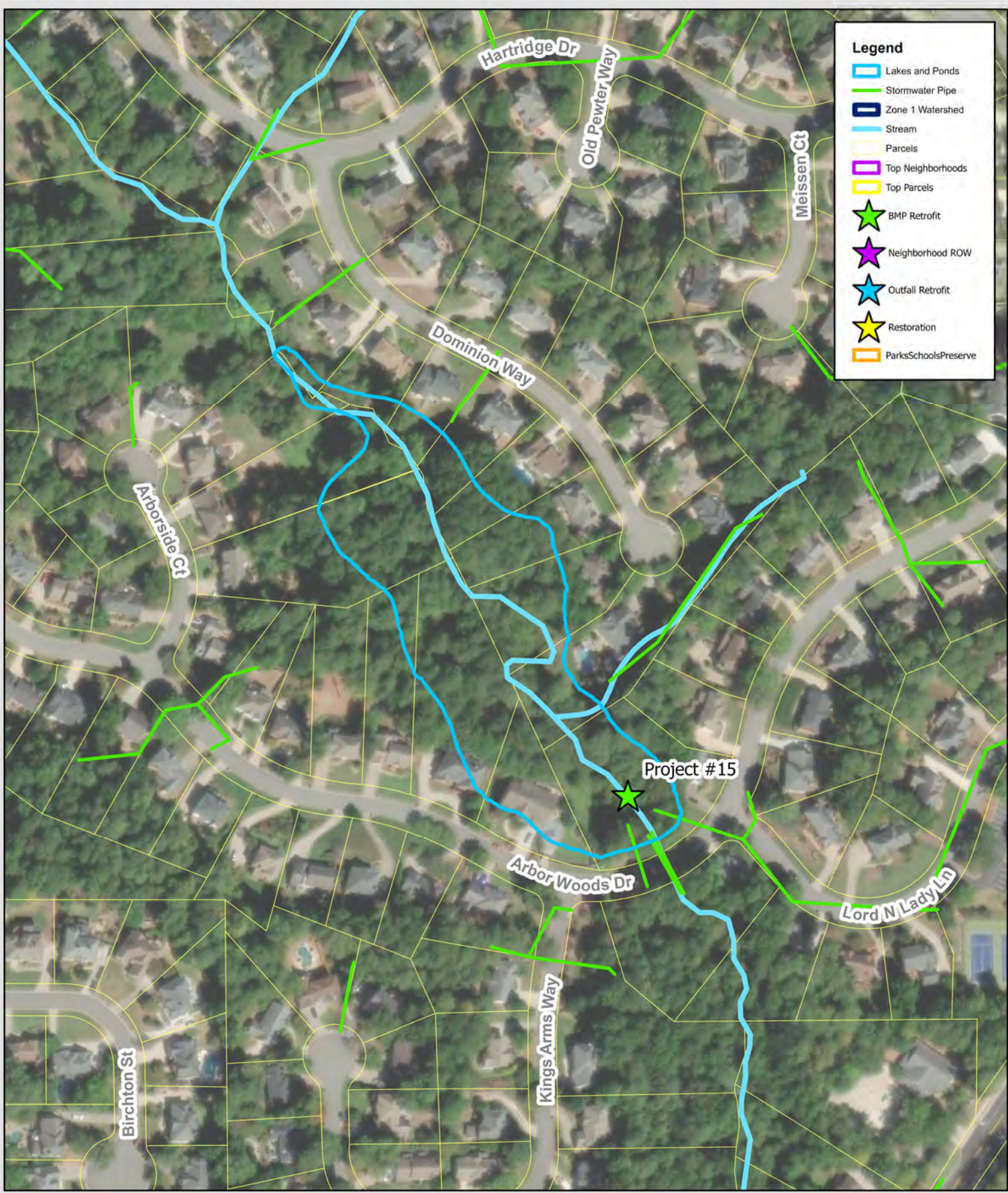




Legend

-  Lakes and Ponds
-  Stormwater Pipe
-  Zone 1 Watershed
-  Stream
-  Parcels
-  Top Neighborhoods
-  Top Parcels
-  BMP Retrofit
-  Neighborhood ROW
-  Outfall Retrofit
-  Restoration
-  ParksSchoolsPreserve





Legend	
	Lakes and Ponds
	Stormwater Pipe
	Zone 1 Watershed
	Stream
	Parcels
	Top Neighborhoods
	Top Parcels
	BMP Retrofit
	Neighborhood ROW
	Outfall Retrofit
	Restoration
	ParksSchoolsPreserve

Site 15

Submitted By: FieldUser29

Submitted Time: August 2, 2023 2:04 PM

Date of Evaluation:

August 2, 2023 1:56 PM

Site Location:

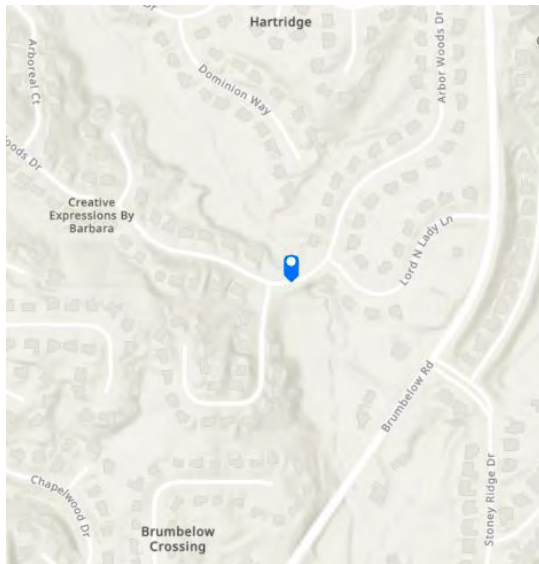


Photo ID:

Project 15

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Other

If Other:

Vertical Retrofit

Suggested Course of Action

Retrofit

Site Description

Large stream in a residential area along side of road.

Potential Benefits

Biological Treatment

Constraints:**Grading**

>2 feet

Accessibility

Fair

Archaeology

Unknown

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban

Drainage Infrastructure

Vertical retrofit, Horizontal addition

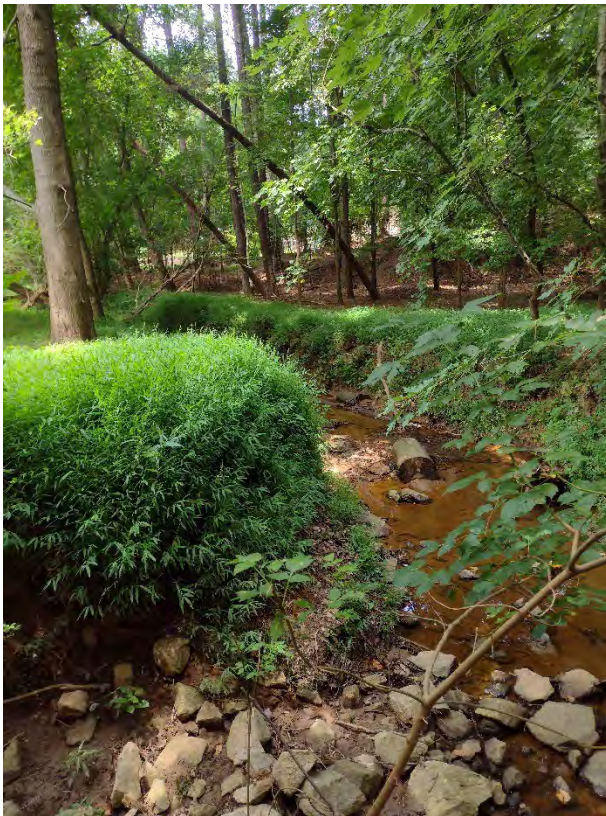
Maintenance

Mowing

Comments

Some potential for horizontal treatment train (RSC, Rain garden, bioswale). Vertical retrofit and maintenance of existing control structure may be possible. Stream appears to be in good condition.

Additional Photos:







Legend

- Lakes and Ponds
- Stormwater Pipe
- Zone 1 Watershed
- Stream
- Parcels
- Top Neighborhoods
- Top Parcels
- BMP Retrofit
- Neighborhood ROW
- Outfall Retrofit
- Restoration
- ParksSchoolsPreserve

Site 16

Submitted By: FieldUser29

Submitted Time: August 2, 2023 11:21 AM

Date of Evaluation:

August 2, 2023 11:10 AM

Site Location:

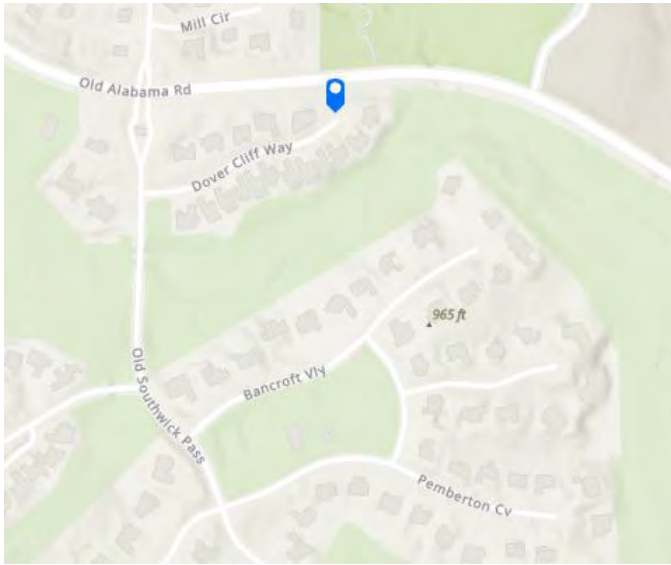


Photo ID:

Site 16

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Stormwater Wetland, Grassed Swale, Other

Suggested Course of Action

Retrofit

Site Description

Small stormwater channel behind golf course.

Potential Benefits

Biological Treatment

Constraints:**Grading**

1-2 feet

Accessibility

Fair

Archaeology

Unknown

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban

Drainage Infrastructure

Horizontal addition

Maintenance

Pest Control, Mowing

Other Considerations

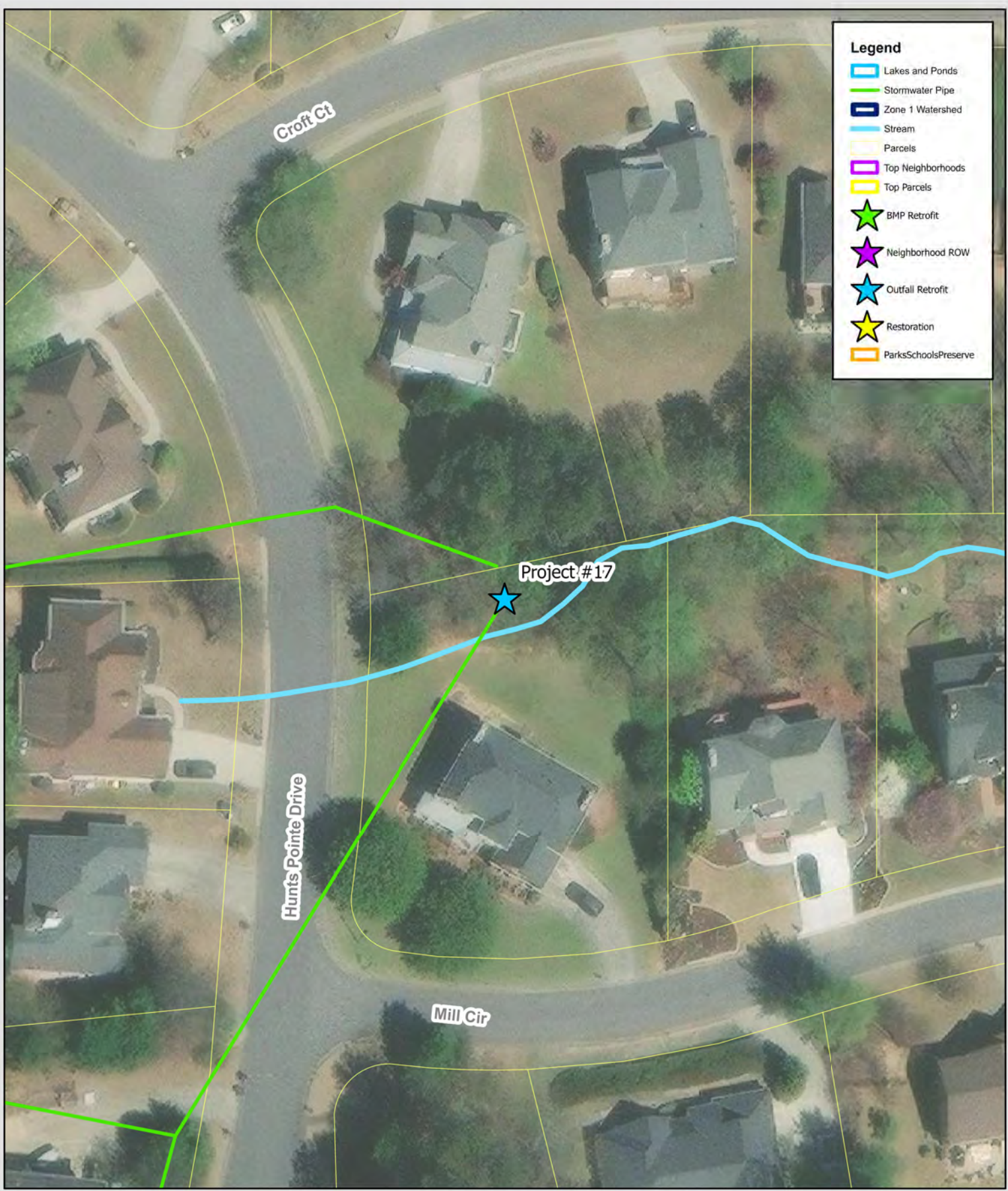
Tree Impacts

Comments

Potential for some horizontal stormwater additions such as RSC or bioswale. Not very accessible and likely tree impacts.

Additional Photos:





Legend

- ▭ Lakes and Ponds
- ▭ Stormwater Pipe
- ▭ Zone 1 Watershed
- ▭ Stream
- ▭ Parcels
- ▭ Top Neighborhoods
- ▭ Top Parcels
- ★ BMP Retrofit
- ★ Neighborhood ROW
- ★ Outfall Retrofit
- ★ Restoration
- ▭ ParksSchoolsPreserve

Site 17

Submitted By: FieldUser29

Submitted Time: August 1, 2023 3:28 PM

Date of Evaluation:

August 1, 2023 3:17 PM

Site Location:

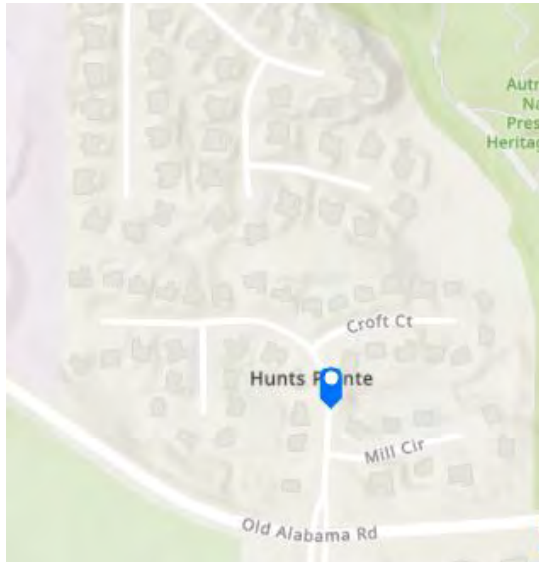


Photo ID:

Site 17

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Other

If Other:

Stream restoration

Suggested Course of Action

New SCM

Site Description

Small stream behind houses within a neighborhood

Potential Benefits

Reduce Peak Runoff, Biological Treatment

Constraints:

Grading

>2 feet

Utilities

None

Accessibility

Poor

Archaeology

Unknown

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban

Drainage Infrastructure

Horizontal addition, Major infrastructure

Other Considerations

Tree Impacts

Comments

Some potential for small atram restoration. Very steep down to the stream. Accessibility is fairly poor. Some opportunities for RSC or rain garden on upstream side of the road (long flat strip of grass)

Additional Photos:







Site 18

Submitted By: FieldUser29

Submitted Time: August 1, 2023 1:47 PM

Date of Evaluation:

August 1, 2023 1:39 PM

Site Location:

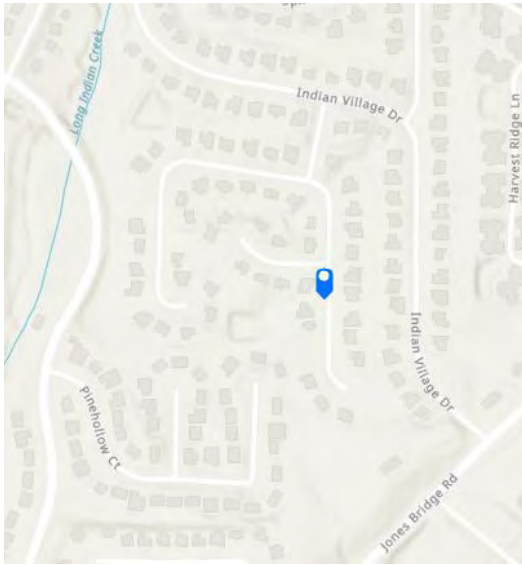


Photo ID:

Site 18

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Grassed Swale, Filter Strip

Suggested Course of Action

Retrofit

Site Description

Small intermittent stream located in a neighborhood. Located between two houses. Overgrown vegetation surrounding.

Potential Benefits

Biological Treatment

Constraints:**Grading**

1-2 feet

Accessibility

Poor

Archaeology

Unknown

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban

Drainage Infrastructure

Horizontal addition

Maintenance

Sediment Removal

Other Considerations

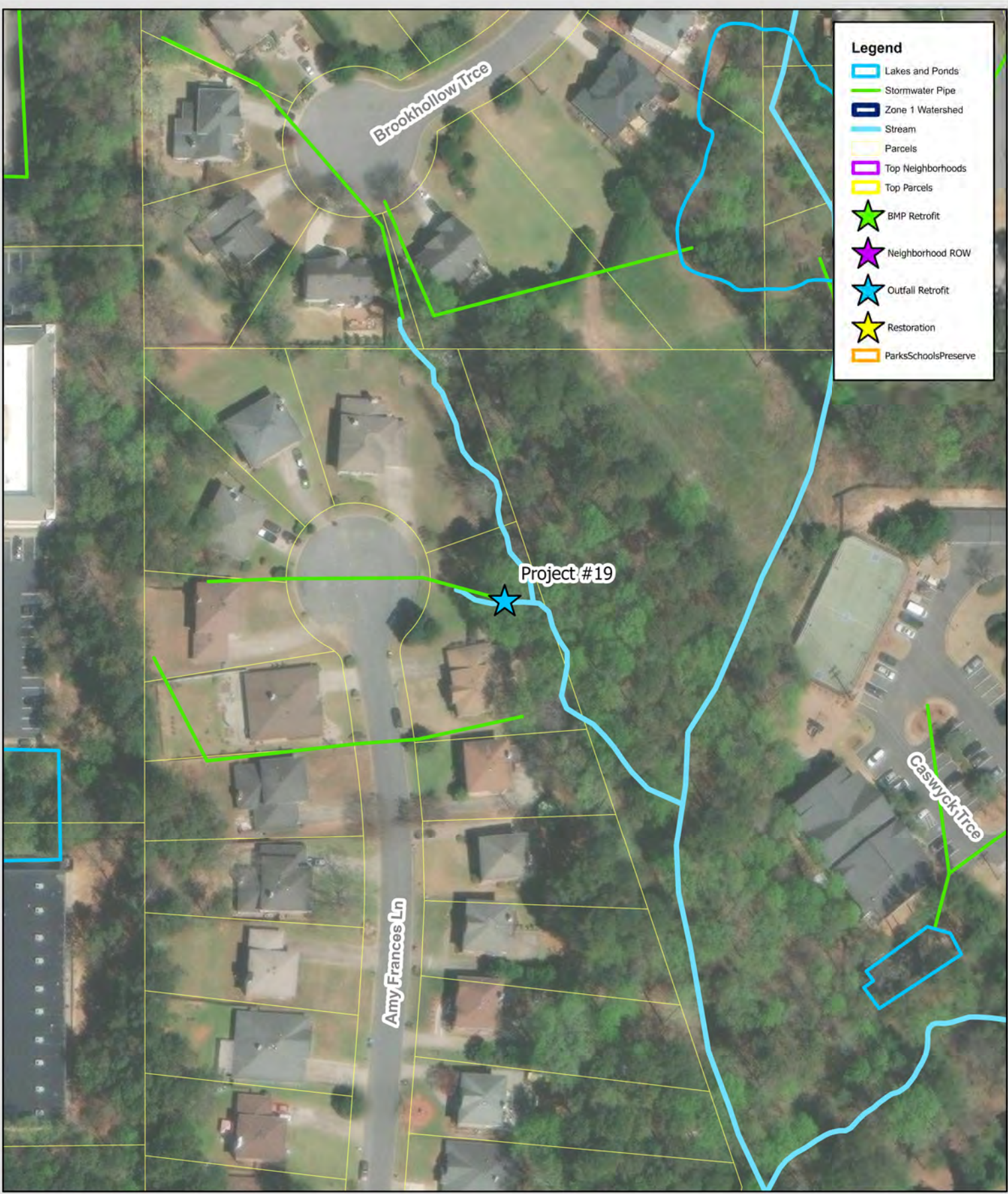
Tree Impacts

Comments

Not very accessible. Located between two houses. Surrounding vegetation is overgrown.

Additional Photos:





Site 19

Submitted By: FieldUser29

Submitted Time: August 1, 2023 11:18 AM

Site Location:



Photo ID:

Project - 19

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Bioretention, Grassed Swale, Other

Site Description

DWCB piped to a small forested stream behind a residential area.

Potential Benefits

Biological Treatment

Constraints:**Grading**

>2 feet

Utilities

None

Accessibility

Fair

Archaeology

Unknown

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban

Drainage Infrastructure

Horizontal addition

Maintenance

Mowing

Other Considerations

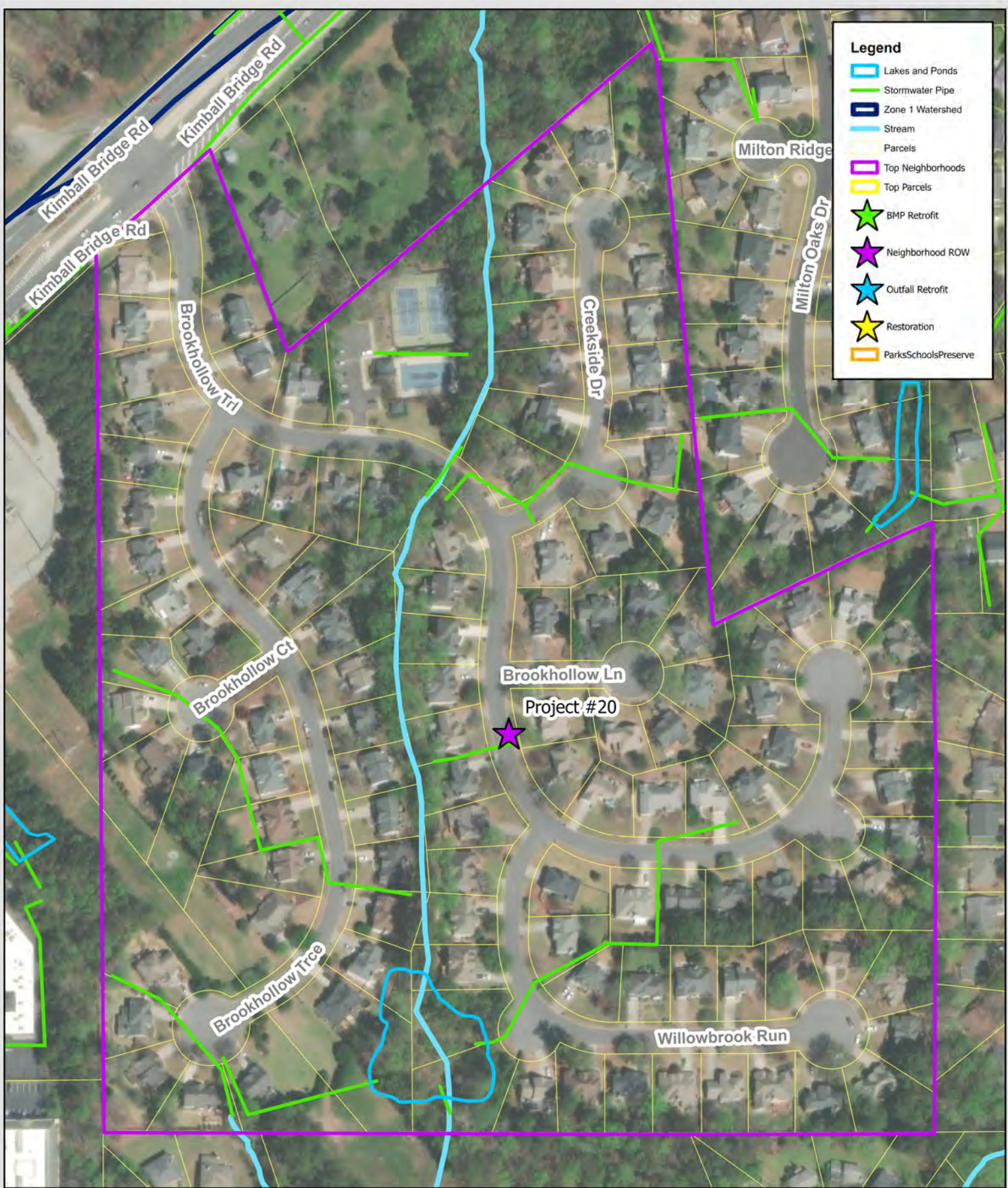
Tree Impacts

Comments

Potential for step down RSC - open space between catch basin and stream has potential for horizontal addition for treatment such as RSC or stormwater garden

Additional Photos:





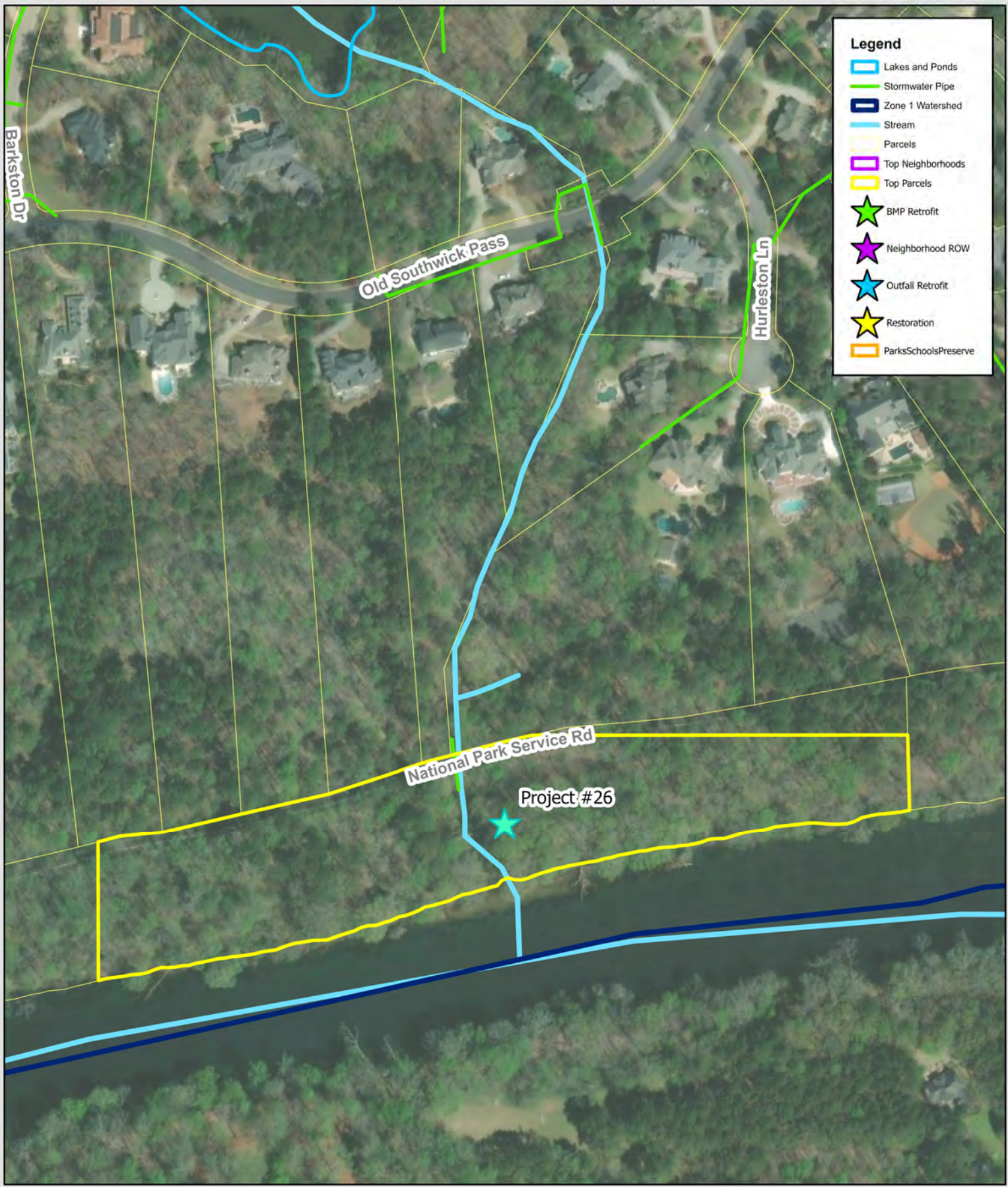
Legend

- ▭ Lakes and Ponds
- ▭ Stormwater Pipe
- ▭ Zone 1 Watershed
- ▭ Stream
- ▭ Parcels
- ▭ Top Neighborhoods
- ▭ Top Parcels
- ★ BMP Retrofit
- ★ Neighborhood ROW
- ★ Outfall Retrofit
- ★ Restoration
- ▭ ParksSchoolsPreserve

Brookhollow Ln

Project #20

Willowbrook Run



Legend

- ▭ Lakes and Ponds
- ▭ Stormwater Pipe
- ▭ Zone 1 Watershed
- ▭ Stream
- ▭ Parcels
- ▭ Top Neighborhoods
- ▭ Top Parcels
- ★ BMP Retrofit
- ★ Neighborhood ROW
- ★ Outfall Retrofit
- ★ Restoration
- ▭ ParksSchoolsPreserve

Site 26

Submitted By: FieldUser29

Submitted Time: August 2, 2023 2:19 PM

Site Location:

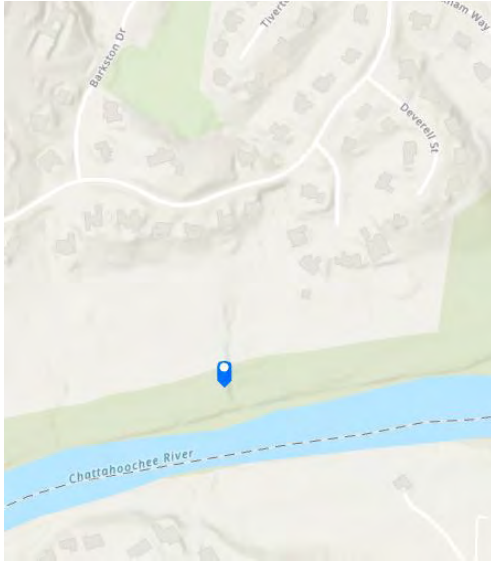


Photo ID:

Site 26

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Other

If Other:

Stream restoration and stabilization

Suggested Course of Action

New SCM

Site Description

Large creek draining to Chattahoochee river through a nature preserve

Potential Benefits

Biological Treatment

Constraints:

Grading

>2 feet

Utilities

None

Accessibility

Fair

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban, Forest

Drainage Infrastructure

Horizontal addition, Major infrastructure

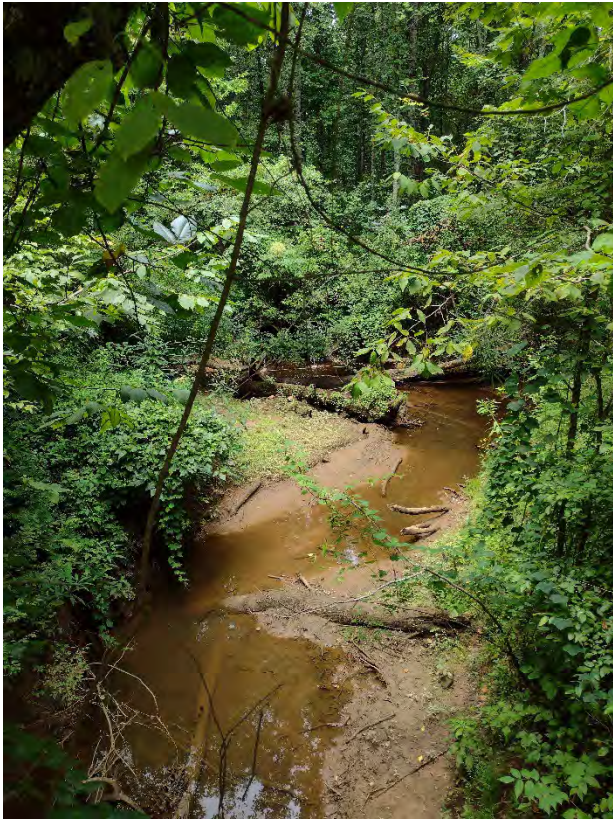
Other Considerations

Tree Impacts

Comments

Potential for stream restoration of eroded banks. Upstream water could be intercepted and directed towards a constructed wetland within the floodplain for biological treatment:

Additional Photos:

















Legend

- ▭ Lakes and Ponds
- ▭ Stormwater Pipe
- ▭ Zone 1 Watershed
- ▭ Stream
- ▭ Parcels
- ▭ Top Neighborhoods
- ▭ Top Parcels
- ★ BMP Retrofit
- ★ Neighborhood ROW
- ★ Outfall Retrofit
- ★ Restoration
- ▭ ParksSchoolsPreserve



Legend

-  Lakes and Ponds
-  Stormwater Pipe
-  Zone 1 Watershed
-  Stream
-  Parcels
-  Top Neighborhoods
-  Top Parcels
-  BMP Retrofit
-  Neighborhood ROW
-  Outfall Retrofit
-  Restoration
-  ParksSchoolsPreserve

Ocee Park

Submitted By: FieldUser29

Submitted Time: August 1, 2023 1:18 PM

Date of Evaluation:

August 1, 2023 1:04 PM

Site Location:

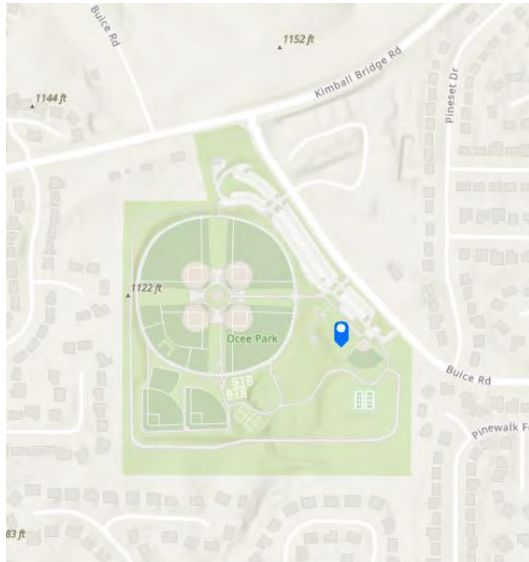


Photo ID:

Ocee Park

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Stormwater Wetland, Bioretention, Grassed Swale

Suggested Course of Action

New SCM

Site Description

Small stream in a park area that flows through a wooded area to a detention pond. Receives water from the parking lot upstream..

Potential Benefits

Biological Treatment

Constraints:**Grading**

None

Utilities

None

Accessibility

Good

Archaeology

Unknown

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban

Drainage Infrastructure

Horizontal addition, Major infrastructure

Maintenance

Sediment Removal, Other

Other Considerations

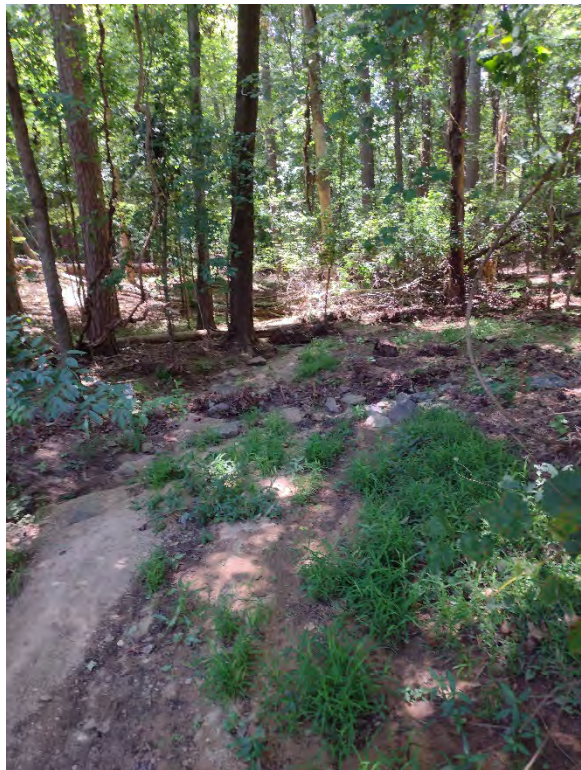
Tree Impacts, Wetland Impacts

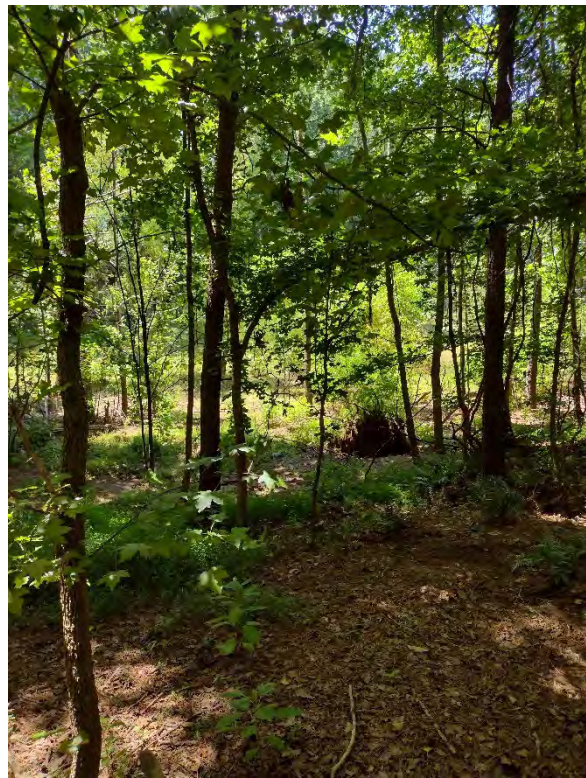
Comments

Potential for horizontal addition. Rainwater garden and RSC. Maybe constricted wetland.

Additional Photos:









Legend

- Lakes and Ponds
- Stormwater Pipe
- Zone 1 Watershed
- Stream
- Parcels
- Top Neighborhoods
- Top Parcels
- ★ BMP Retrofit
- ★ Neighborhood ROW
- ★ Outfall Retrofit
- ★ Restoration
- ParksSchoolsPreserve

Newtown Park

Submitted By: FieldUser29

Submitted Time: August 1, 2023 3:05 PM

Site Location:

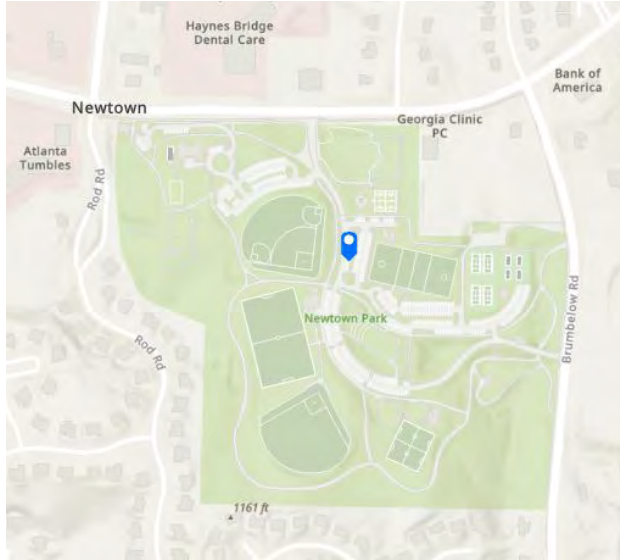


Photo ID:

Newtown Park

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Wet Detention Basin, Dry Detention Basin, Stormwater Wetland, Grassed Swale, Filter Strip, Infiltration Device

Suggested Course of Action

Retrofit

Site Description

Public park area

Constraints:

Utilities

None

Accessibility

Excellent

Archaeology

Unknown

Adjacent Land Use

Direction

North, South, East, West

Land Use Type

Urban

Drainage Infrastructure

Vertical retrofit, Horizontal addition, Major infrastructure

Other Considerations

Public Safety, Tree Impacts

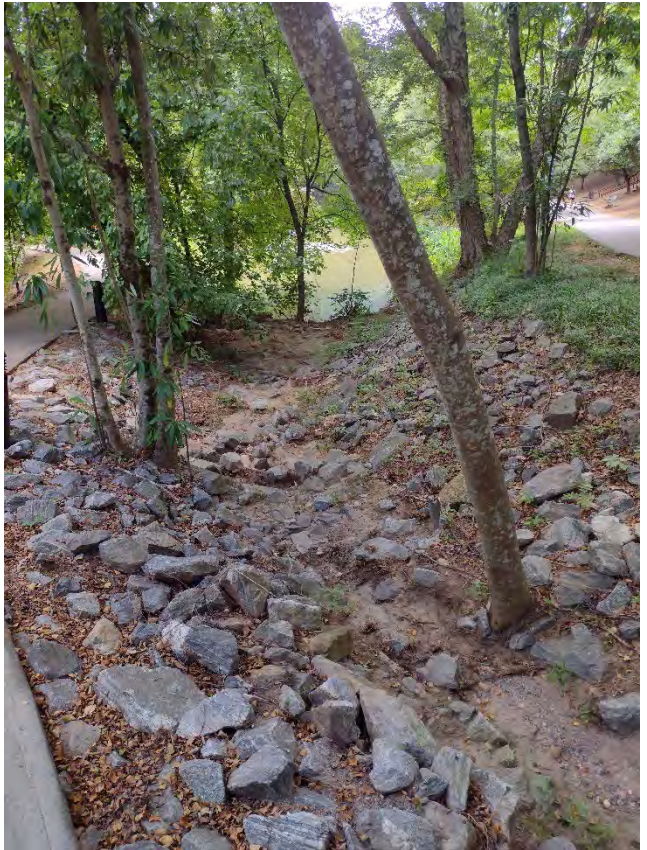
Comments

Multiple sites within the park that have potential for various BMPs and retrofit. Multiple opportunities for RSC. The stream downstream of the fountain pond is in fairly good condition. Additional floating wetlands could be incorporated with educational

Additional Photos:

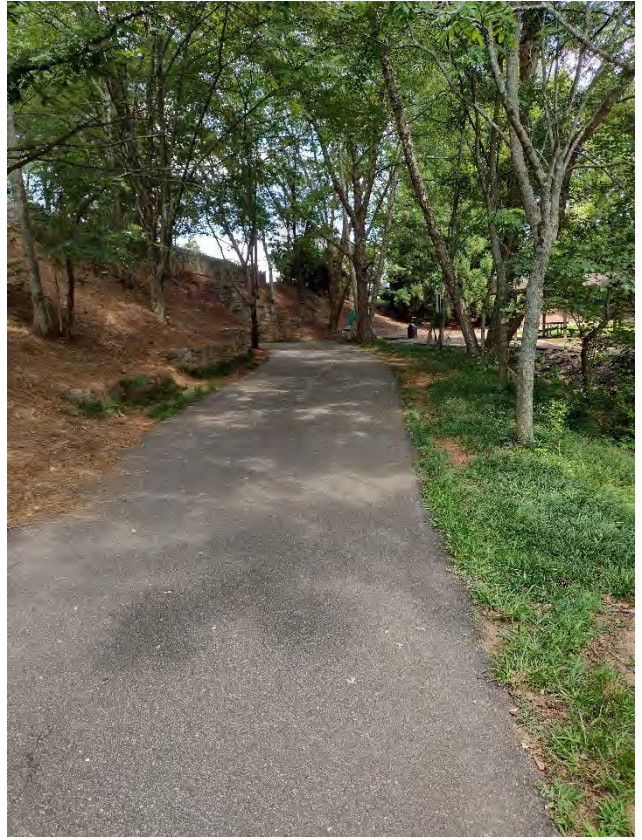




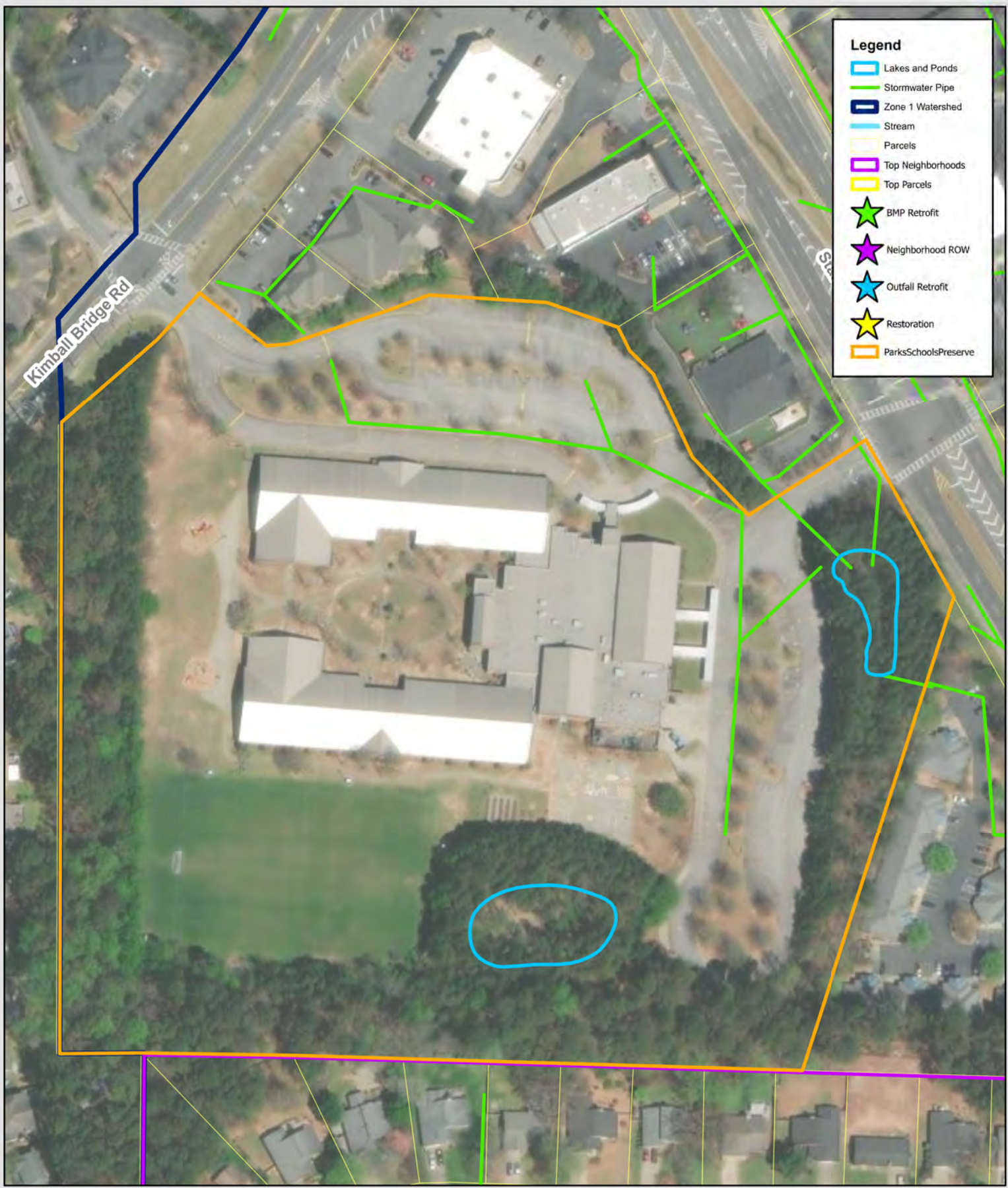
























Legend

-  Lakes and Ponds
-  Stormwater Pipe
-  Zone 1 Watershed
-  Stream
-  Parcels
-  Top Neighborhoods
-  Top Parcels
-  BMP Retrofit
-  Neighborhood ROW
-  Outfall Retrofit
-  Restoration
-  ParksSchoolsPreserve

Kimball Bridge Rd

Ocee Elementary

Submitted By: FieldUser29

Submitted Time: August 1, 2023 11:32 AM

Site Location:

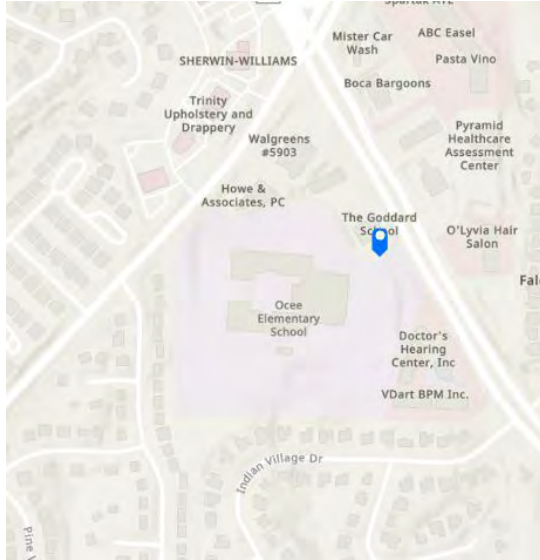


Photo ID:

Ocee elementary

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Bioretention, Other

Suggested Course of Action

New SCM

Site Description

Elementary school median/grass island

Potential Benefits

Pollutant/Sed. Removal, Biological Treatment

Constraints:**Grading**

1-2 feet

Utilities

None

Accessibility

Good

Archaeology

Unknown

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban

Drainage Infrastructure

Horizontal addition

Maintenance

Mowing, Sediment Removal

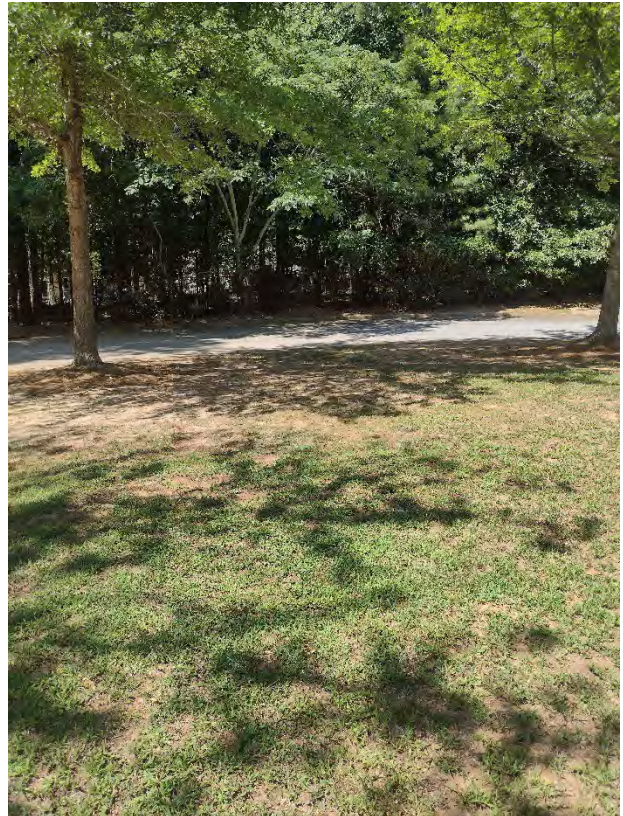
Other Considerations

Tree Impacts

Comments

Horizontal treatment potential inside of the parking lot median/island. Open space available - could be good site for community engagement

Additional Photos:





Legend

- Lakes and Ponds
- Stormwater Pipe
- Zone 1 Watershed
- Stream
- Parcels
- Top Neighborhoods
- Top Parcels
- BMP Retrofit
- Neighborhood ROW
- Outfall Retrofit
- Restoration
- Parks/Schools/Preserve

Barnwell Elementary

Submitted By: FieldUser29

Submitted Time: August 2, 2023 1:42 PM

Date of Evaluation:

August 2, 2023 1:34 PM

Site Location:

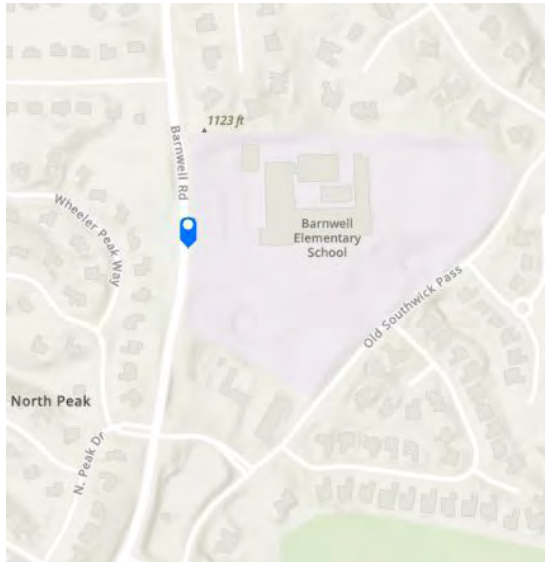


Photo ID:

Barnwell Elementary

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Stormwater Wetland, Bioretention, Grassed Swale

Suggested Course of Action

Retrofit

Site Description

Elementary school - open field area near the south side pond.

Potential Benefits

Biological Treatment

Constraints:

Grading

<1 foot

Utilities

None

Accessibility

Excellent

Archaeology

Unknown

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban

Drainage Infrastructure

Horizontal addition

Maintenance

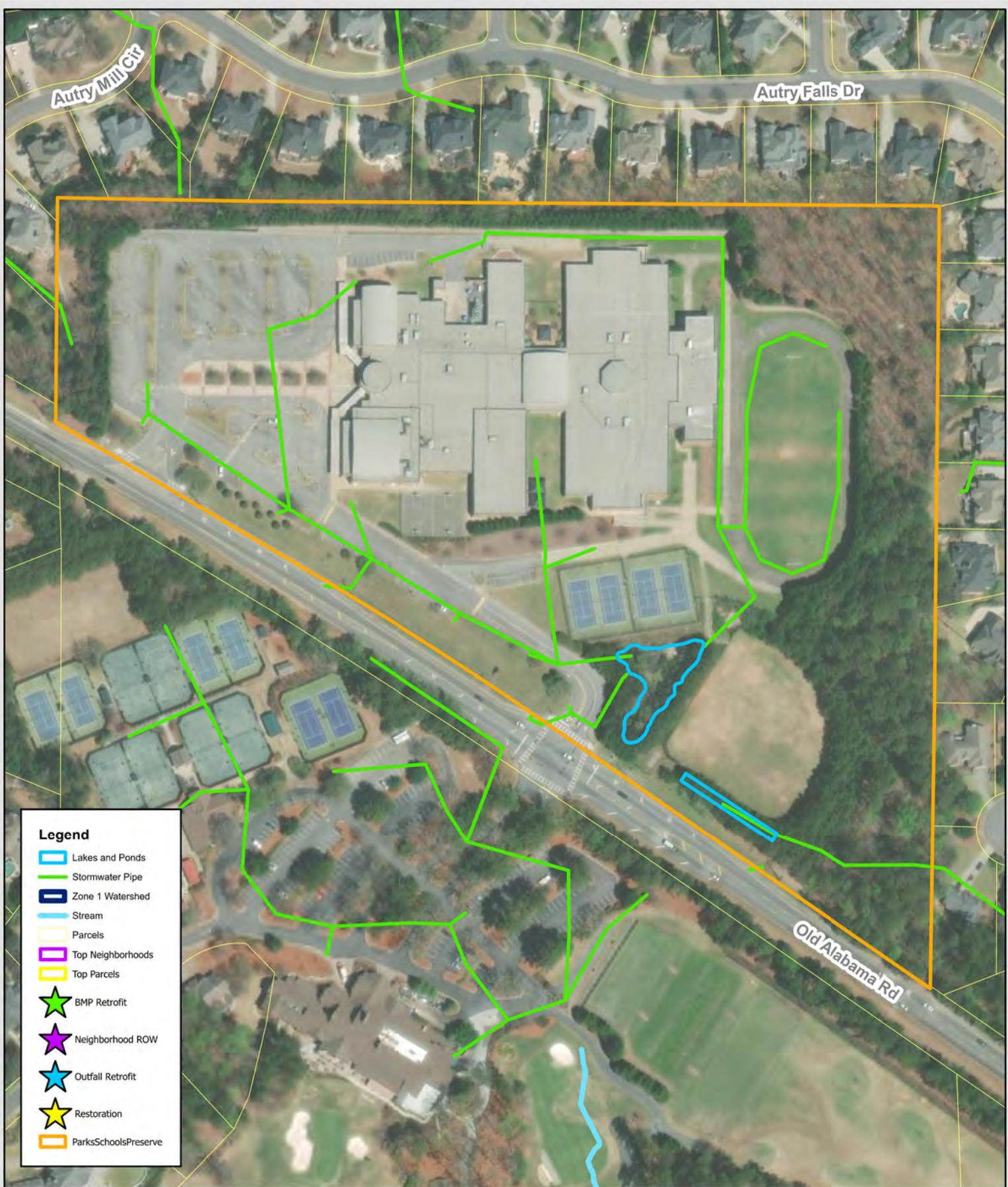
Mowing

Comments

Potential for treatment train (RSC, Bioswale, or rain garden). The open area has a slight grade that could be suitable for passive horizontal treatment options.

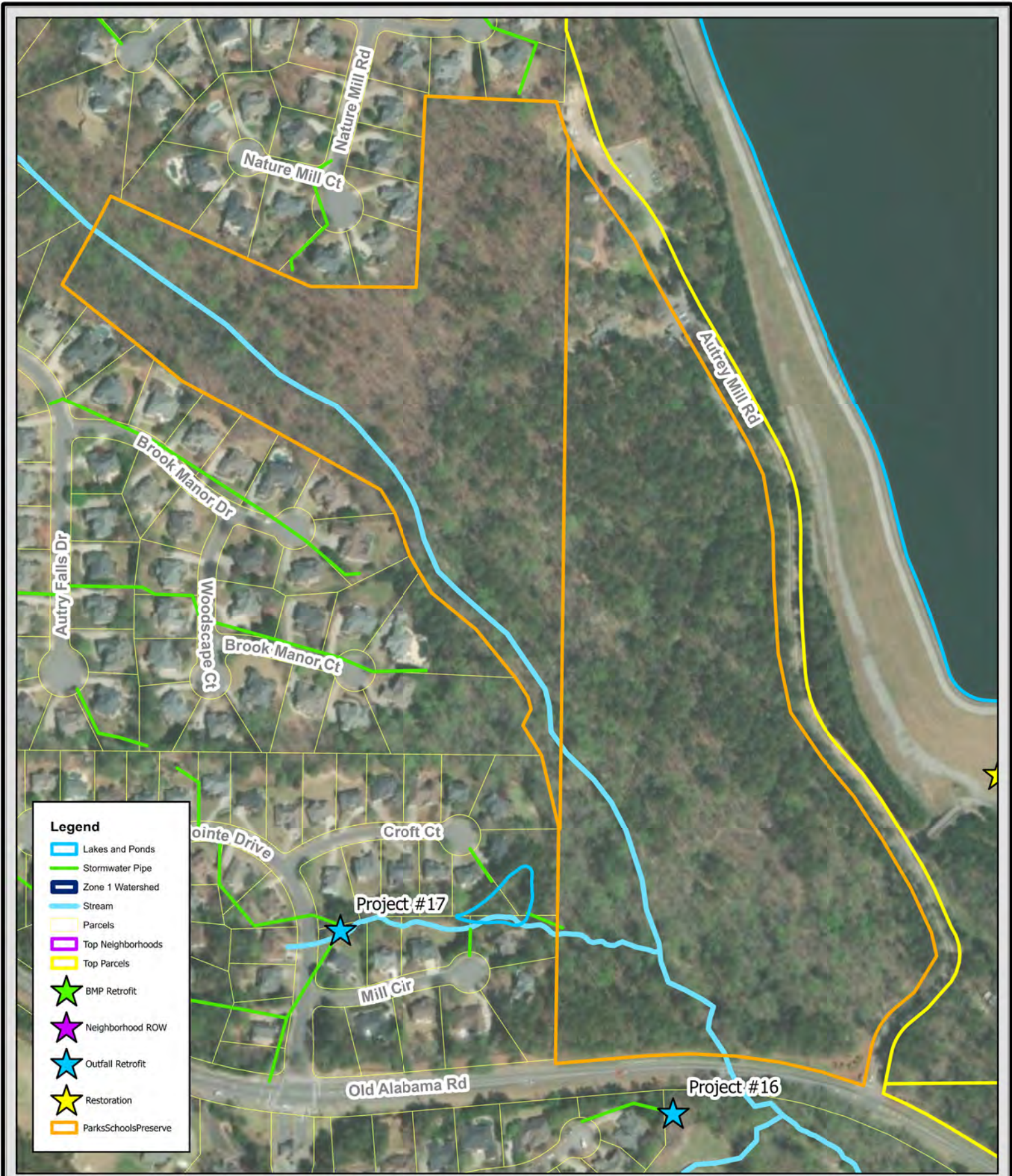
Additional Photos:

















Legend

-  Lakes and Ponds
-  Stormwater Pipe
-  Zone 1 Watershed
-  Stream
-  Parcels
-  Top Neighborhoods
-  Top Parcels
-  BMP Retrofit
-  Neighborhood ROW
-  Outfall Retrofit
-  Restoration
-  ParksSchoolsPreserve

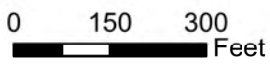


Legend

-  Lakes and Ponds
-  Stormwater Pipe
-  Zone 1 Watershed
-  Stream
-  Parcels
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Autrey Mill Nature Preserve



Autrey Mill Nature Preserve

Submitted By: FieldUser29

Submitted Time: August 2, 2023 1:23 PM

Date of Evaluation:

August 2, 2023 1:08 PM

Site Location:

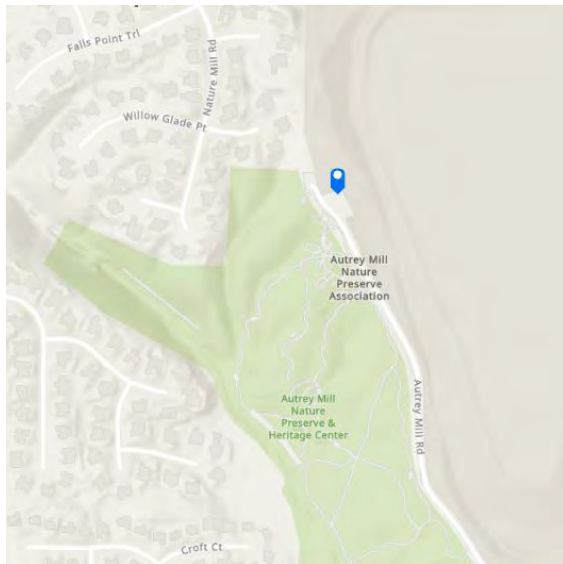


Photo ID:

Autrey Mill Nature preserve

Photo 1



Photo 2



Field Analysis By:

James Bale and Earl Bingham

Proposed Strategy

Stormwater Wetland, Bioretention, Grassed Swale

Suggested Course of Action

New SCM

Site Description

Forested nature preserve area with some drainage issues apparent from erosion patterns. Staff said storm water bypasses existing drainage inlets at some location.

Potential Benefits

Reduce Peak Runoff, Biological Treatment

Constraints:

Grading

1-2 feet

Utilities

None

Accessibility

Good

Archaeology

Unknown

Adjacent Land Use**Direction**

North, South, East, West

Land Use Type

Urban, Forest

Drainage Infrastructure

Horizontal addition

Other Considerations

Tree Impacts

Comments

Potential for a variety of horizontal additions. RSC, rain garden, bioswale. Some apparent drainage issues with existing inlets and piping based on erosion patterns.

Additional Photos:





