



Kristopher Drive Basin Prior to Cleaning (2011)



Kristopher Drive Basin After Cleaning (2012)

Hamilton Township (Mercer County) Stormwater Basin Assessment Summary (Year 1)

Developed by the Rutgers Cooperative Extension Water Resources Program
Funded by Hamilton Township, Mercer County, New Jersey

December 6, 2012

Acknowledgements

The Hamilton Township (Mercer County) Stormwater Basin Assessment Summary (Year 1) has been produced by the **Rutgers Cooperative Extension Water Resources Program**. The principal author was **Jeremiah Bergstrom, LLA, ASLA**, Senior Research Project Manager. Field work for the assessments and review of the results of the assessments was conducted by Water Resources Program interns **Dillon Swiderski Soto, Kyle Gourley, and Carolyn Paul**. **Steven Yergeau, Ph.D.**, Post-Doctoral Associate provided support on producing this document.

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Introduction

In Spring 2011, Hamilton Township in Mercer County contacted the Rutgers Cooperative Extension (RCE) Water Resources Program requesting assistance in evaluating water resources issues in the community. The Township, along with many other communities throughout New Jersey, is struggling to maintain aging infrastructure, address frequent flooding of local streets and properties, and understand the community-wide impacts of stormwater management strategies.

After the successful completion of this evaluation, the Township has chosen to move forward with the first phase of recommended actions. The recommended actions were identified to support a series of goals established for Hamilton Township in its ongoing efforts to address water resources issues. These goals include:

- Engage the community in water resource protection
- Manage water quality
- Minimize localized flooding
- Implement Phase II stormwater controls
- Improve stormwater facility maintenance

To properly maintain stormwater facilities, the first phase was to assess the current conditions of the facilities, with stormwater management basins being a priority. Stormwater management basins have been designed and built for the past 30-40 years to mitigate flooding and discharge excess stormwater runoff as a result of land development practices. Basins were designed on a site-by-site basis to control the peak flow rate at the site's outlet by temporarily storing stormwater runoff and releasing it in a managed rate over a period of 24-72 hours. This is done by allowing large amounts of stormwater to fill the system and limiting the discharge flow using a small opening or orifice.

Currently over 300 detention basins have been identified and mapped in Hamilton Township ranging in size and age. The RCE Water Resources Program, in partnership with Hamilton Township, has begun a systematic assessment of all existing basins to determine their current condition, function, as well as repair and maintenance needs. These basins are an integral component of the Township's stormwater infrastructure. Ensuring that these basins are functioning as designed is critical to protecting residents and property owners in Hamilton Township from localized flooding and other health and safety issues affecting the quality of life.

Procedure

As part of Year 1 efforts, the RCE Water Resources Program created an assessment form for use during site visits to each stormwater basin (Attachment 1). The assessment form captures information regarding the location, maintenance regime, and overall condition of the structure. More specifically, it also allows staff to identify the condition of key structural components and note deficiencies in the maintenance or function of the facility. Included on the form are sections directly related to: inlets, outlets, emergency overflows, basin berms, low flow channels, and other factors that would affect basin performance. Finally, the form also provides staff the opportunity to note recommendations for retrofits and repairs that would increase the facility's ability to provide water quality improvements.

In July and August 2012, staff and students conducted assessments of 100 basins in Hamilton Township (Figure 1). The basins were located in the northern portion of the Township in the Miry Run and Assunpink Creek Watersheds. Basins in these watersheds were prioritized for assessment as downstream neighborhoods in these watersheds experience frequent flooding and, specifically, significant flood damage occurred as a result of Hurricane Irene in August 2011. Ensuring that these basins are functioning properly is an important step in stabilizing the Township's stormwater infrastructure and managing peak flows and flooding during major storm events.

Staff and students conducted site visits at each mapped basin where access was available. During the site visit, an assessment form was completed noting conditions of the facility, and photographs were taken.

Findings

Upon completion of the field visits and assessments, RCE Water Resources Program staff and students compiled the collected data to generate maps using Geographic Information System (GIS) databases highlighting results and locating priority basins in need of maintenance, repair, and further investigation.

Maps included with this summary include:

Basins That Require Cleaning:

This map (Attachment 2A) identifies stormwater basins that have components that need to be cleaned. Debris, leaves, trash, sediment, and/or grass clippings may be preventing the facility from functioning properly. The work needed to get the facility fully operational should be minimal.

Basins That Require Maintenance:

This map (Attachment 2B) identifies stormwater basins in need of maintenance. Site visits noted that little or no routine maintenance is being done at the facility and/or vegetation and debris has compromised the integrity of the system. More effort is needed to ensure the facility is operating effectively, and a routine maintenance program should be implemented to keep the system functioning.

Basins That Require Repair:

This map (Attachment 2C) identifies stormwater basins that have structural components that are broken, deteriorated, and/or missing. The system is no longer functioning as designed and may be a safety hazard. Immediate action is needed to make the facility operational and safe.

Basins with Standing Water:

This map (Attachment 2D) identifies stormwater basins where evidence of standing water was noted during the site visit. Standing water in basins for a period longer than 72 hours after a storm event can present a serious health risk. Immediate action should be taken to further investigate these basins and determine the reason for standing water remaining in the systems. It is anticipated that repairs will be necessary in many of these facilities to drain and ensure the facility functions properly.

Priority Basins:

This map (Attachment 2E) identifies stormwater basins where multiple issues were noted during the site visit. It is likely that multiple actions will be needed to get these facilities fully operational and functioning as designed.

Basins Suitable for Water Quality and Infiltration Retrofits:

This map (Attachment 2F) identifies stormwater basins where simple, cost-effective modifications to the facility could be made to increase the basin's ability to capture, filter, and infiltrate runoff during smaller storm events to protect water quality and promote groundwater recharge. Basins were selected in areas where available soils data indicates that infiltration is possible. Basins located in areas with Hydrologic Soil Group A or B soils and where groundwater recharge rates are in excess of four (4) inches per hour were considered highly suitable. Basins in areas where at least one of these conditions are met were considered suitable. Basins where neither of these conditions exist were considered unsuitable. Please note that site specific soil conditions and infiltration rates still need to be field verified to confirm that infiltration retrofits would be successful.

Summary and Conclusions

Hamilton Township has an extensive infrastructure network to help manage stormwater runoff and flooding throughout the community. It is important that the community understand the important role stormwater management basins have in protecting neighborhoods and properties and to ensure that these facilities function properly. Hamilton Township should first review the information presented in this assessment and begin taking corrective action at those facilities which present the greatest threat of failure and potentially threaten the health, safety, and welfare of residents. Secondly, as corrective actions are taken and repairs are made, opportunities to improve the function of these facilities to also protect water quality and promote infiltration should be explored.

Next Steps

Although stormwater management basins have been constructed to reduce peak runoff rates since the early 1970s, it is only since the late 1980s that sufficient information has been available to design these basins to address stormwater quality. While effective at managing flows during large storm events,

stormwater runoff resulting from smaller, more frequent storms events typically pass through stormwater basins with little or no detention or retention thus contributing to water quality impairments in local waterways.

To meet new requirements in the Stormwater Management Regulations for stormwater quality, new design approaches are being applied on new development projects. Existing detention basins, however, can also be retrofitted to protect water quality. Numerous detention basins assessed can be cost-effectively retrofitted to address water quality and management techniques when repairs and or maintenance is needed.

Many detention basins can be cost-effectively altered or retrofitted to improve their ability to remove pollutant loads from stormwater runoff and recharge stormwater. If these improvements are made correctly, costs for routine maintenance can also be reduced. Several basins included in the assessment appear to be suitable for these retrofits. These projects could provide a real reduction in stormwater runoff volume flowing into the Township's storm sewer system helping to reduce frequent localized flooding. Several basins were selected as priority areas for Hamilton Township to focus stormwater management efforts. Priority basins were identified by combining the results of the basin assessments and the review of available soils data, while using best professional judgement regarding feasibility and constructibility. Following is a list of the basins the RCE Water Resources Program recommends Hamilton Township consider as priorities for retrofit and modification.

10. University Heights Elementary School (HIGH PRIORITY)



The detention basin at the University Heights Elementary School is a suitable site for a retrofit design, specifically the naturalization of the basin bottom. This basin should be considered highly suitable for an infiltration retrofit. Simply naturalizing the basin and maintaining it as a meadow could improve infiltration rates and reduce stormwater runoff volumes at the site. Current routine maintenance including mowing in the detention basin results in grass clippings that clog the inlet and outlet, limiting its function and increasing maintenance needs. Naturalizing the basin will reduce this problem as mowing will only be necessary once or twice each year. Improving the ability of this basin to treat stormwater runoff can also be a great learning experience for classes at the school.

12. Mercer County Park Entrance Basin (HIGH PRIORITY)



The basin or swale near the entrance to Mercer County Park is located in an area that is considered highly suitable for an infiltration retrofit. It is a priority candidate for a retrofit design involving the implementation of a 1,500 square foot rain garden. A rain garden would increase the detention time and allow infiltration of stormwater runoff which improves water quality and recharges groundwater. Overflow from the rain garden would exit to the existing outlet structure. The entrance of the County Park is a great location to demonstrate stormwater best management practices (BMPs) while reducing stormwater runoff to the municipal storm sewer system.

22. PNC Bank Basin



The basin located behind the PNC Bank branch on Quakerbridge Road appears to be in an area unsuitable for infiltration and groundwater recharge. However, it is a good candidate for a retrofit design that would utilize the size and extent of the basin to lengthen the flow path of stormwater runoff entering the basin during smaller, more frequent storm events. As this basin does not appear to have soils with good infiltration rates, increasing the flow path will also increase the detention time. An increase in detention time also improves the basin's ability to remove suspended solids improving water quality downstream. To increase the flow path, a shallow berm would be installed to direct stormwater from the two inlets towards the west end of the basin where sediments can settle out before discharging through the basin outlet structure. Naturalizing the basin and/or removing some sections of the concrete low flow channel would also help increase detention time and protect water quality.

37. County of Mercer: Administration Basins



The basins located next to the County of Mercer Administration Building on Hamilton Avenue are located in an area considered suitable for retrofits that would transform these detention basins into infiltration systems. The basins currently do not have low flow channels, making the transition to an infiltration basin easier. The recommended retrofit would involve tilling the upper layer of topsoil and potentially amending the soils with bioretention media to increase infiltration. In addition, implementing a meadow landscape would decrease routine maintenance while helping to maintain infiltration. However, the first priority for these basins would be to clear the dense vegetation, especially woody growth, around the inlet and outlet structures.

39. George Dick Field Basin



The basin at George Dick Field is a swale-like feature that discharges directly to the Miry Run. This facility is located in an area considered unsuitable for an infiltration retrofit. However, the basin is a candidate for retrofitting as a vegetated bioswale. As soil infiltration rates are limited at this site, it will be important to amend soils and install a 12-16 inch bioretention media layer to promote infiltration and storage. In addition, low check dams would be installed at intervals along the swale to increase stormwater detention time during small storm events but still allow larger events to pass through the system. Currently, the facility is showing signs of erosion. Retrofits will include stabilization to reduce the velocity of stormwater flowing through the swale preventing future erosion, filtering pollutants, and infiltrating volumes prior to discharging to the Miry Run.

53. Custom Millwork Detention Basin



The stormwater basin at Custom Millwork is located in an area considered suitable for an infiltration retrofit. It is a candidate site for retrofits that would include plantings and modifications to the curb cut inlets. Planting around the rip rap and low flow channel would intercept and filter stormwater that enters the basin, keep low flows out of the concrete low flow channels, and promote infiltration. The existing curb cut inlet is clogged with sediment which is blocking the flow of water into the basin. Replacing the first 2-3 feet of rip rap with a sloped concrete channel would eliminate the ponding in the parking area and roadway.

68. Clarici Graphics Basin



The stormwater basin at Clarici Graphics on Youngs Road is located in an area considered unsuitable for an infiltration retrofit. However, this basin is a good candidate for a retrofit approach that includes alternative planting materials. Evidence of standing water was noted during the assessment. This problem can be alleviated by clearing the outlet orifice and planting the basin with additional vegetation with deep and extensive root systems to open soil pores and promote infiltration. As this basin includes a concrete low flow channel, removal of the low flow channel should be considered. If desired, a stone or gravel-lined stream bed feature could replace the concrete to promote further infiltration. At a minimum planting vegetation in and around the inlet and low flow channel will intercept stormwater during smaller storm events, increasing detention time and filtering pollutants.

69. Hamilton Fitness Center Basin (HIGH PRIORITY)



The basin at Hamilton Fitness Center on Youngs Road is located in an area considered highly suitable for infiltration retrofit. The retrofit design should include implementing a stone-lined channel, outlet modifications and plantings in the basin. While preliminary data indicate that soils will infiltrate, standing water remains in the basin for extended periods of time. Initial retrofit efforts should include remediating any compacted soils which would inhibit infiltration. Tilling topsoil and installing a stone-lined underdrain together will improve infiltration and reduce ponding in the basin. Also, a modification to the outlet structure will allow for extended detention time. Planting and maintaining the facility much like a landscaped rain garden will also increase infiltration and aesthetics of the basin.

70. Bank of America Basin (HIGH PRIORITY)



The basin at Bank of America on Quakerbridge Road is located in an area considered suitable for infiltration. With minimal effort and cost a retrofit design can be implemented in this small facility that will promote groundwater recharge and remove nonpoint source pollutants. Through landscape plantings and a minor modification to the outlet structure the basin can be transformed from a turf grass depression to a highly functional rain garden.

75. Poor Boy Subs



The facility located at Poor Boy Submarines on Route 33 features a large basin area with three inlets: 16", 12", and 24" as well as an outlet structure with a 3" orifice. The source of stormwater for the 24" inlet is a curb cut that first flows into a turf swale which discharges to the inlet pipe. Ideal retrofits for the site include a design which would transform the existing swale into a pretreatment bioswale. The facility is located in an area considered unsuitable for infiltration, therefore a bioswale with amended soil and a 12"-16" bioretention media layer will be essential to promote limited infiltration of the stormwater flow and treatment of pollutants to reduce the volume of runoff and protect water quality.

80. McDonald's Basin



The basin at McDonalds Restaurant on Route 33 is a candidate site for a retrofit design involving the naturalization/planting of the basin bottom, an outlet modification, and/or removal of concrete low flow channel sections. This basin is located in an area considered suitable for an infiltration retrofit. Naturalizing or planting the basin would further promote infiltration and filtering of stormwater runoff from the parking area before it reaches the low flow channel. An outlet modification to reduce the size

of the outlet orifice would increase detention time, thus increasing infiltration and groundwater recharge. Additional modifications to consider would involve disconnecting sections or the entire concrete low flow channel and replacing it with a gravel or stone-lined feature allowing stormwater volumes generated during small storms to be quickly infiltrated into underlying soils.

98. Klockner Senior Citizens Basin



The basin at to the Klockner Senior Citizens Center is located in an area considered highly suitable for infiltration. It is a candidate site for a retrofit design involving naturalization/planting, an outlet modification, and/or removal of concrete low flow channel sections. The naturalization/planting of this basin would improve water quality and the capacity of the basin to infiltrate stormwater runoff. This existing outlet structure has a large diameter outlet orifice. It is possible to increase the detention time by modifying the outlet discharge by installing a porous barrier that will detain flows in smaller storm events and more slowly release water downstream. The low flow channels are preventing infiltration of smaller storms; removal of sections in and around the inlet and outlet structures would promote infiltration of runoff from the smaller more frequent storms.

99. Vintage Court Basin



The basin located at the end of Vintage Court is in an area considered unsuitable for infiltration due to existing soils. However, it is a good candidate for a retrofit design involving a naturalization/planting and outlet modification. This basin does not currently have low flow channels. Naturalization or planting of native species with extensive root systems is a simple way to improve infiltration. Evidence of erosion was noted during the assessment and an increase in dense healthy plant growth would aid in managing erosion. During the site visit to assess this site, the owner of the property expressed interest in the possibility of a retrofit improving water quality and aesthetics.

Attachment 1

Stormwater Basin Inspection Checklist



Hamilton Township Stormwater Infrastructure Assessment Program Stormwater Basin Inspection Checklist



GENERAL INFORMATION		Site ID:
Name(s) person inspecting the basin:		Date:
Location Address and Cross Streets:	Watershed:	
Name of Creek, Stream, or area into which the basin discharges:	Property Owner / Tax Parcel Block & Lot:	
Contact information:		
STRUCTURAL COMPONENTS		
Basin description, size and depth:	Is the basin accessible to maintain? Yes / No Is it maintained: Mowed, clear of woody plants, inlet/outlet blockages?	
Number of inlets:	Outlet diameter:	

GENERAL OBSERVATIONS	YES	NO	NOTES/REMARKS
1) Any reports on the basin not functioning?			
2) Are there any unauthorized or malfunctioning structures in the basin?			
3) Are there concrete low flow channels. Is the water entering the basin directly exiting the basin outlet without coming in contact with the basin bottom soil and vegetation?			
4) Is there standing water or evidence of standing water in the basin?			
INLET/S			
1) Signs of breakage, damage, corrosion or rusting of inlet structure/pipe?			
2) Debris or sediment accumulation in or around the inlet clogging the inlet opening/pipe?			
3) Signs of erosion, scour or gullies; rock or vegetation above or around the inlet structure?			
4) Tree roots, woody vegetation growing close to or through the inlet structure or a situation impacting the structure's integrity?			
5) If the inlet has a pretreatment structure (trash rack, forebay) is it filled w/ debris or sediment?			
BASIN			
1) Accumulation of debris or litter within basin?			
2) Exposed dirt or earth visible, are there areas without vegetation or where turf is damaged?			
3) Excess sediment accumulation in the basin?			
4) Basin walls/embankment eroded, slumping, caved or being undermined?			



Hamilton Township Stormwater Infrastructure Assessment Program Stormwater Basin Inspection Checklist

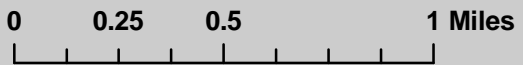
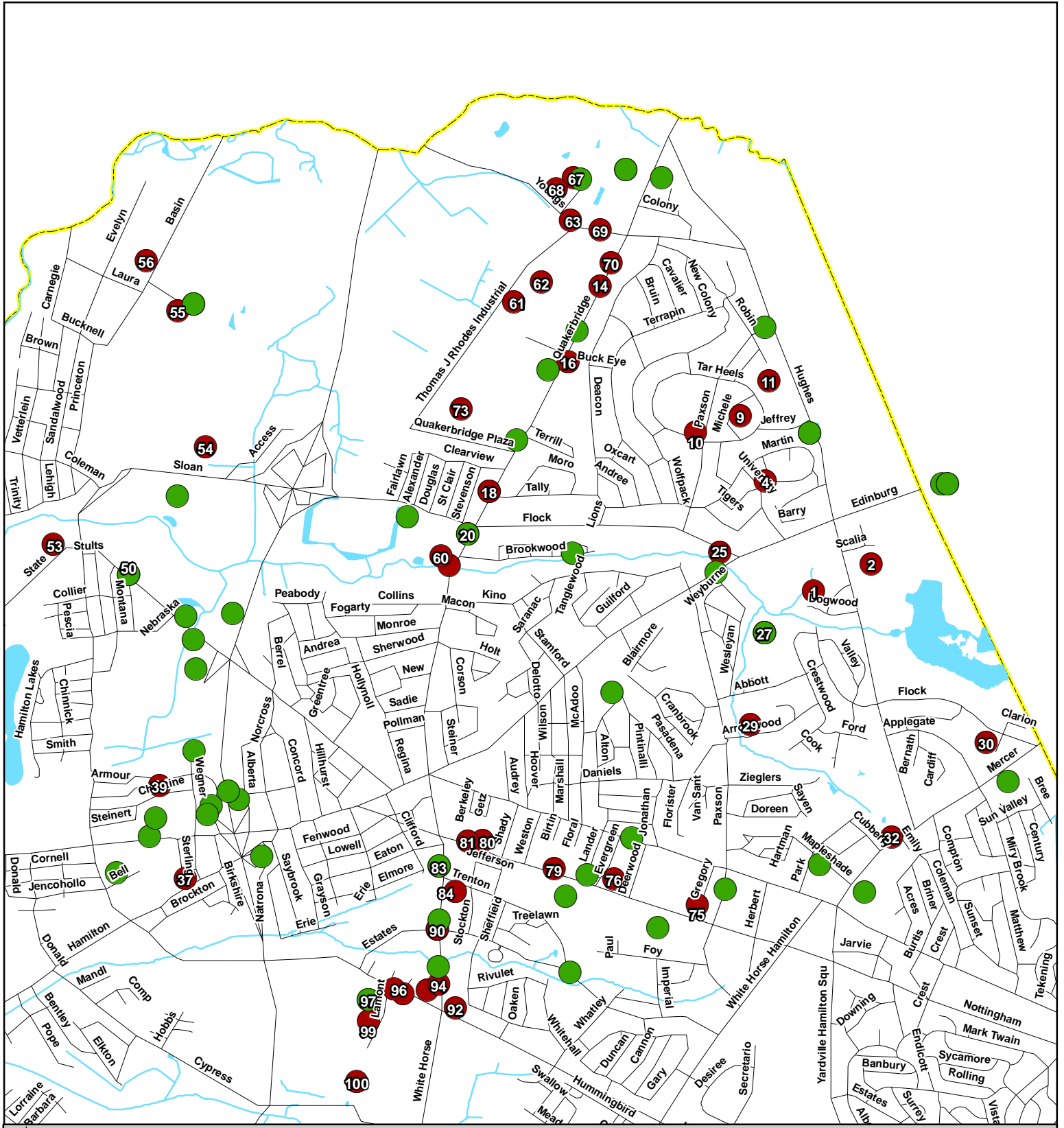


OUTLET	YES	NO	NOTES/REMARKS
1) Breakage, damage, corrosion or rusting to outlet pipe or conveyance?			
2) Signs of erosion, scour or gullies; rock or vegetation above or around the outlet structure?			
3) Debris or sediment accumulation in or around the outlet pipe (i.e. debris or sediment)?			
4) Accumulation of debris or litter in or around outlet?			
5) Tree roots or woody vegetation impacting the outlet or causing potential damage to the structure?			
SECONDARY/EMERGENCY OVERFLOW SPILLWAY			
1) Are pipes, conduits, or conveyances free of debris, clogs and in good condition? (i.e. no visible cracks, breakage slumping)			
2) Large tree or root growth close to pipes or conveyances with the potential to crack structure or impede flow?			
3) Signs of erosion, scour or gullies; rock or vegetation above or around the spillway?			
BASIN OUTFALL AREA			
1) Signs of stormwater exiting the basin in an uncontrolled manner over or through wall or berm?			
2) Signs of erosion, scour or gullies; rock or vegetation at or down slope of the outfall?			
RECOMMENDATIONS FOR WATER QUALITY IMPROVEMENTS			
1) Reduce mowing 2) Plant buffers 3) Establish meadows 4) Retrofit with infiltration structures or other strategies 5) Other			
SUMMARY AND NOTES: Identify unique characteristics and/or opportunities			

Attachments 2A-2F

Evaluation Maps

Basins in Northern Hamilton Township, NJ that Require Cleaning

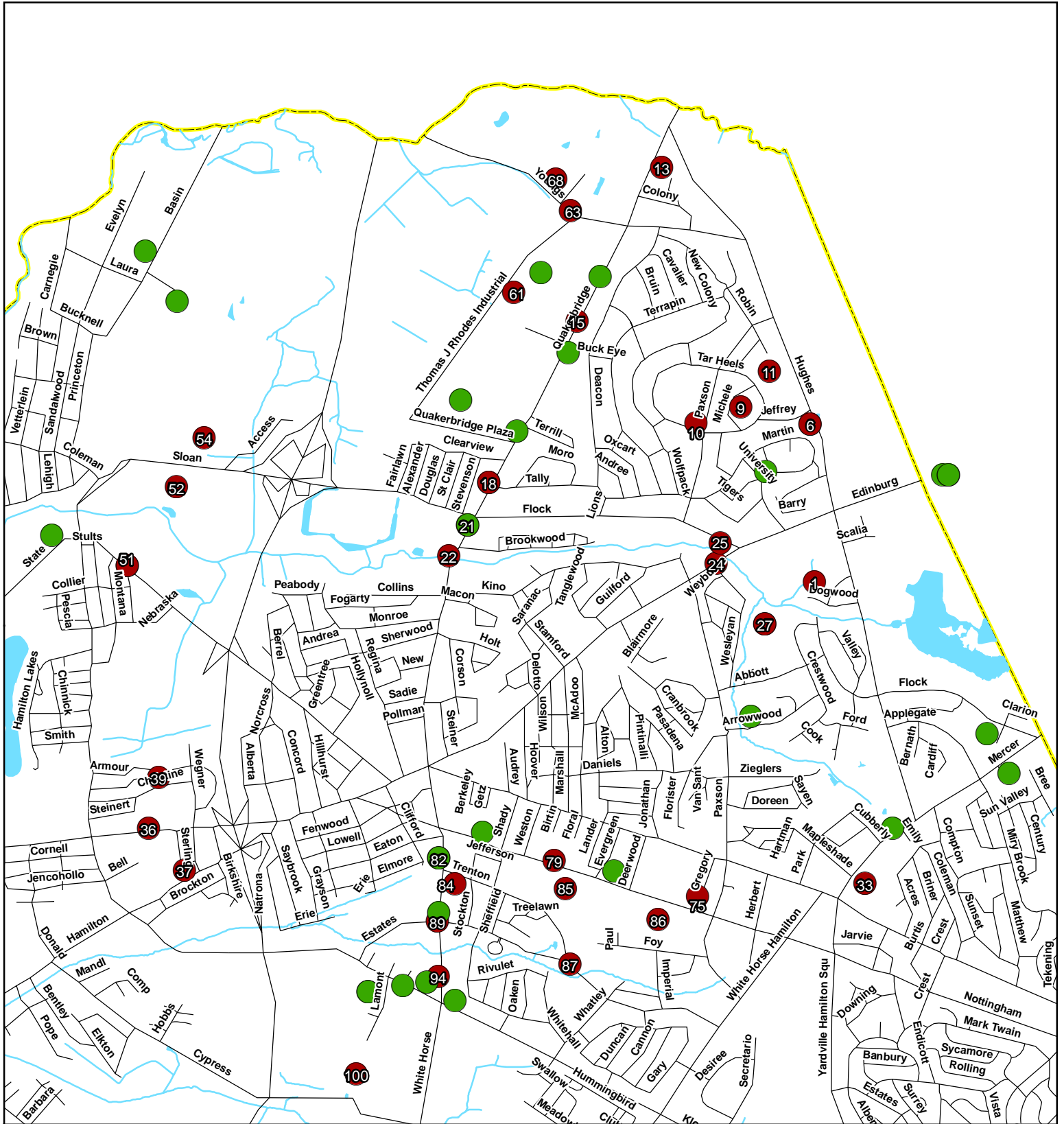


- Basins Not in Need of Cleaning
- Basins in Need of Cleaning
- Roads
- Streams
- Waterbodies

Data Source: NJDEP, RCE Water Resources Program
 This map was developed using NJDEP GIS digital data, but this secondary product has not been verified by NJDEP and is not State-authorized.



Basins in Northern Hamilton Township, NJ that Require Maintenance

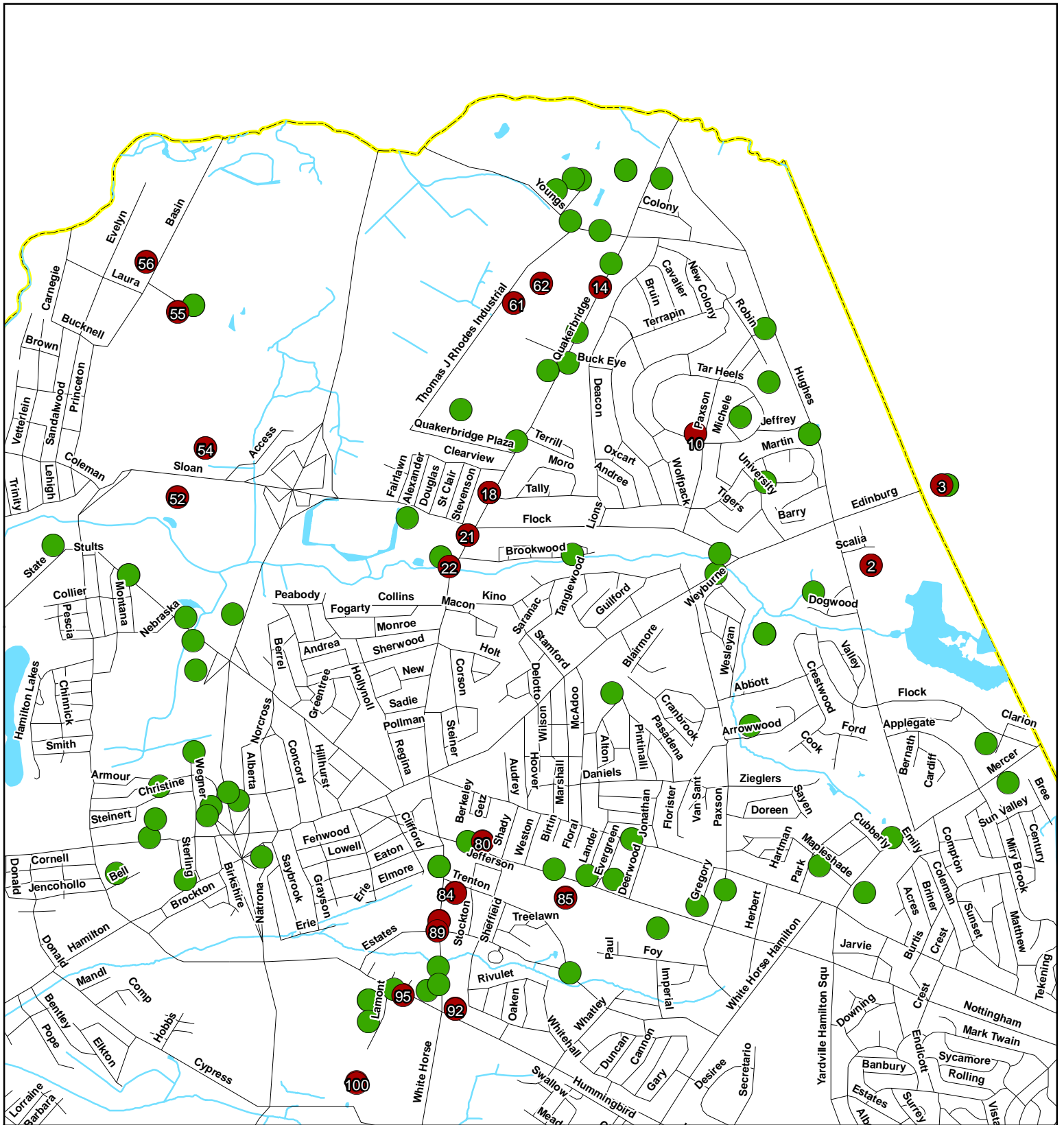


0 0.2 0.4 0.8 Miles

● No Maintenance Needed Roads
● Maintenance Needed Streams
 Waterbodies

Data Source: NJDEP, RCE Water Resources Program
 This map was developed using NJDEP GIS digital data, but this secondary product has not been verified by NJDEP and is not State-authorized.

Basins in Northern Hamilton Township, NJ that Require Inlet and Outlet Repair

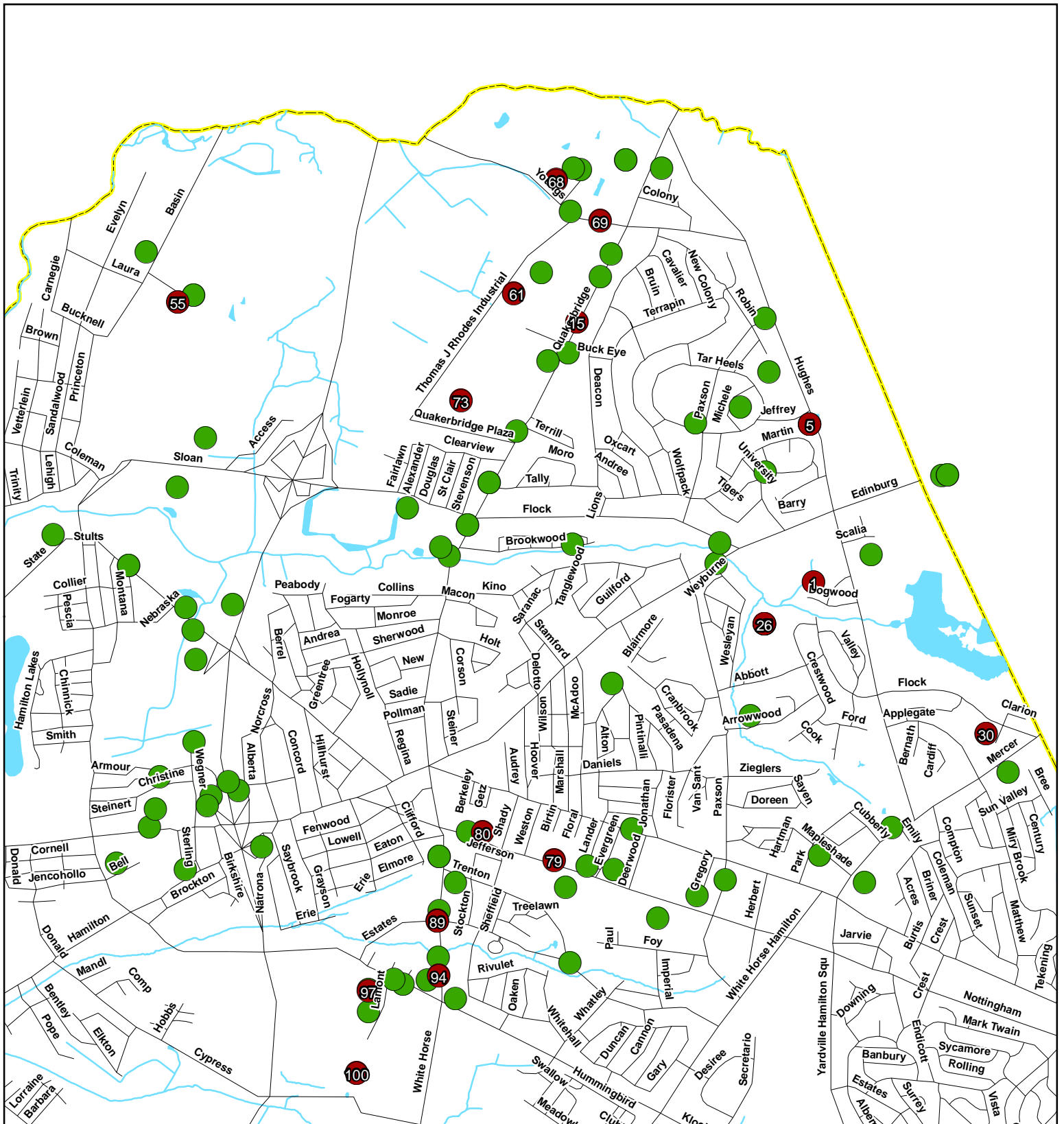


0 0.25 0.5 1 Miles

Data Source: NJDEP, RCE Water Resources Program
This map was developed using NJDEP GIS digital data, but this secondary product has not been verified by NJDEP and is not State-authorized.

	Roads	Inlets and Outlets
	Streams	No Repair Needed
	Waterbodies	Repair Needed

Detention Basins with Standing Water in Northern Hamilton Township, NJ

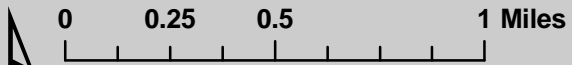
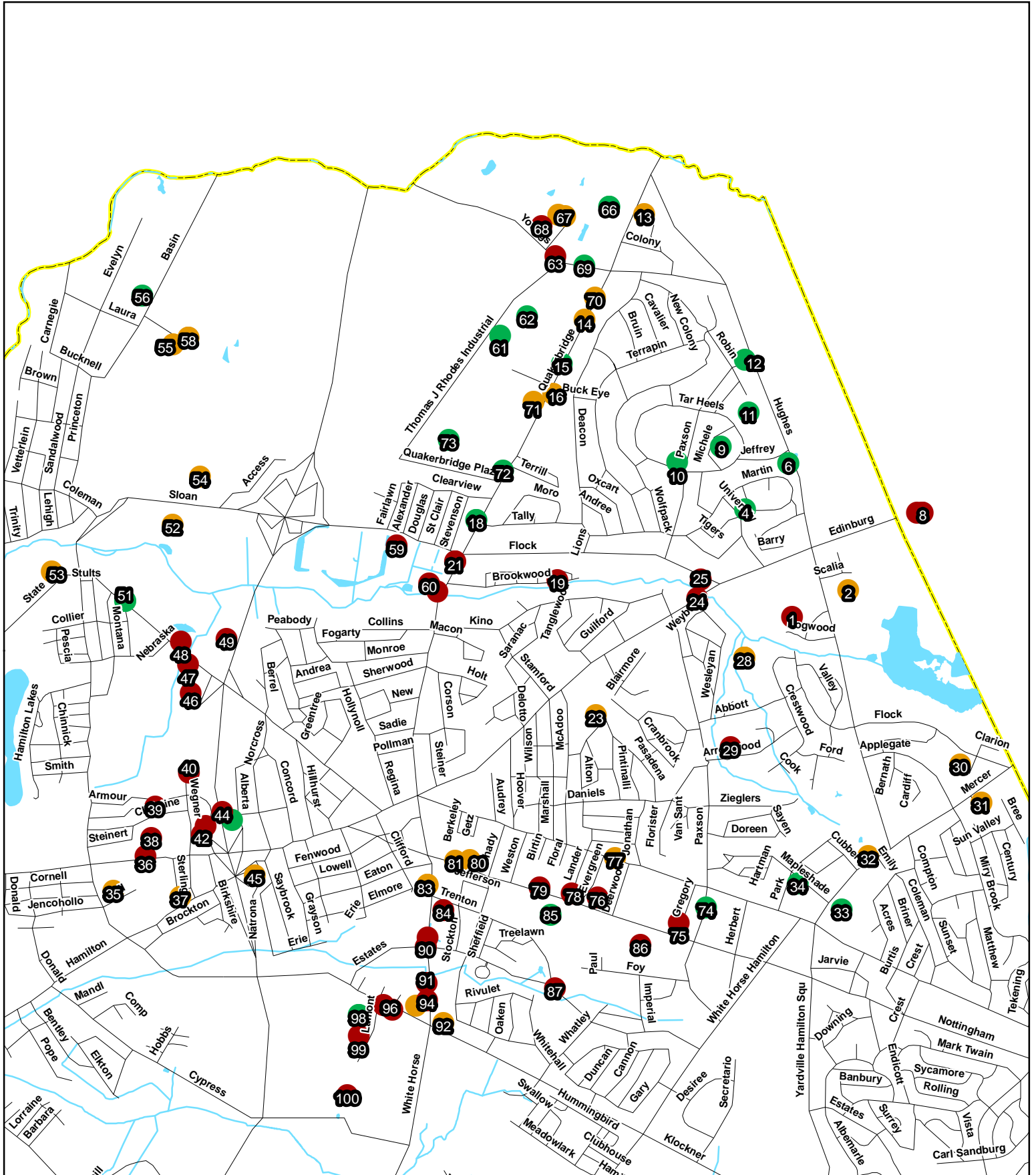


0 0.25 0.5 1 Miles

Data Sources: NJDEP, RCE Water Resources Program
This map was developed using NJDEP GIS digital data, but this secondary product has not been verified by NJDEP and is not State-authorized.

- No Standing Water
- Standing Water
- Roads
- Streams
- Waterbodies

Basins Suitable for Infiltration Retrofits in Hamilton Township, New Jersey



Data Source: NJDEP, RCE Water Resources Program
This map was developed using NJDEP GIS digital data, but this secondary product has not been verified by NJDEP and is not State-authorized.

- Unsuitable
- Suitable
- Highly Suitable
- Roads
- Waterbodies
- Streams

Attachment 3

Stormwater Basin Assessments



- | ID# | Location |
|-----|--|
| 1. | 12 Dogwood Ln |
| 2. | 5 Ernies Ct |
| 3. | 1052 Mercerville-Edinburg Rd |
| 4. | 4 Tara Ct |
| 5. | 957 Hughes Dr |
| 6. | 957 Hughes Dr |
| 7. | 1072 Mercerville-Edinburg Rd |
| 8. | 1072 Mercerville-Edinburg Rd |
| 9. | 30 Tar Heels Rd E |
| 10. | 634 Paxson Ave |
| 11. | 999 Hughes Dr |
| 12. | 678 Paxson Ave |
| 13. | 12 Colony Ct |
| 14. | 3705 Quakerbridge Rd |
| 15. | 3625 Quakerbridge Rd |
| 16. | 3575 Quakerbridge Rd |
| 17. | 3275 Quakerbridge Rd |
| 18. | 3275 Quakerbridge Rd |
| 19. | 193 Brookwood Rd |
| 20. | 3161 Quakerbridge Rd |
| 21. | 3161 Quakerbridge Rd |
| 22. | 3111 Quakerbridge Rd |
| 23. | 47 Alton Rd |
| 24. | 68 Wesleyan Dr |
| 25. | 489 Flock Rd |

- | ID# | Location |
|-----|---|
| 26. | 6 Crestwood Dr |
| 27. | 6 Crestwood Dr |
| 28. | 6 Crestwood Dr |
| 29. | 11 Arrowwood Dr |
| 30. | 5 Fordham Dr |
| 31. | 6 Valli Ct |
| 32. | 200 Mercer St |
| 33. | 10 Emily Pl |
| 34. | 90 Park Ave |
| 35. | 1734 Bell Ave |
| 36. | 2105 Nottingham Way |
| 37. | 2358 Hamilton Ave |
| 38. | 2150 Nottingham Way |
| 39. | 112 Armour Ave |
| 40. | 442 Wegner Ave |
| 41. | Nottingham Way & Interstate 295 |
| 42. | Nottingham Way & Interstate 295 |
| 43. | 67 Alberta Ave |
| 44. | Hamilton Ave & Interstate 295 & Nottingham Wa |
| 45. | Hamilton Ave & Interstate 295 & Nottingham Wa |
| 46. | E State St & Interstate 295 |
| 47. | 3291 E State St |
| 48. | 3240 E State St |
| 49. | Interstate 295 |
| 50. | 3048 E State St |

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- ID# Location**
- 51. [3048 E State St](#)
 - 52. [861 Sloan Ave](#)
 - 53. [2670 E State St](#)
 - 54. [700 Sloan Ave](#)
 - 55. [American Metro Blvd](#)
 - 56. [Colton Ct](#)
 - 57. [1 Electronics Dr](#)
 - 58. [1 Electronics Dr](#)
 - 59. [147 Sloan Ave](#)
 - 60. [3100 Quakerbridge Rd](#)
 - 61. [21 Thomas J Rhodes Industrial Dr](#)
 - 62. [15 Thomas J Rhodes Industrial Dr](#)
 - 63. [100 Youngs Rd](#)
 - 64. [Tennis Ct](#)
 - 65. [3836 Quakerbridge Rd](#)
 - 66. [3836 Quakerbridge Rd](#)
 - 67. [4 Tennis Ct](#)
 - 68. [88 Youngs Rd](#)
 - 69. [133 Youngs Rd](#)
 - 70. [3745 Quakerbridge Rd](#)
 - 71. [3560 Quakerbridge Rd](#)
 - 72. [3470 Quakerbridge Rd](#)
 - 73. [Quakerbridge Plaza Dr](#)
 - 74. [Paxson Ave & Beatrice Ct](#)
 - 75. [950 New Jersey 33](#)

- ID# Location**
- 76. [770 New Jersey 33](#)
 - 77. [3225 Nottingham Way](#)
 - 78. [724 New Jersey 33](#)
 - 79. [630 New Jersey 33](#)
 - 80. [410 New Jersey 33](#)
 - 81. [372 New Jersey 33](#)
 - 82. [2365 Whitehorse Mercerville Rd](#)
 - 83. [2365 Whitehorse Mercerville Rd](#)
 - 84. [2333 Whitehorse Mercerville Rd](#)
 - 85. [661 New Jersey 33](#)
 - 86. [951 New Jersey 33](#)
 - 87. [Estates Blvd & Trenton Ave](#)
 - 88. [2235 Whitehorse Mercerville Rd](#)
 - 89. [2239 Whitehorse Mercerville Rd](#)
 - 90. [2239 Whitehorse Mercerville Rd](#)
 - 91. [2001-2199 Mercerville-Whitehorse Rd](#)
 - 92. [1934 Klockner Rd](#)
 - 93. [1850 Klockner Rd](#)
 - 94. [2090 Whitehorse Mercerville Rd](#)
 - 95. [1799 Klockner Rd](#)
 - 96. [1777 Klockner Rd](#)
 - 97. [9 Lamont Ave](#)
 - 98. [9 Lamont Ave](#)
 - 99. [Vintage Ct](#)
 - 100. [18-26 Lamont Ave](#)

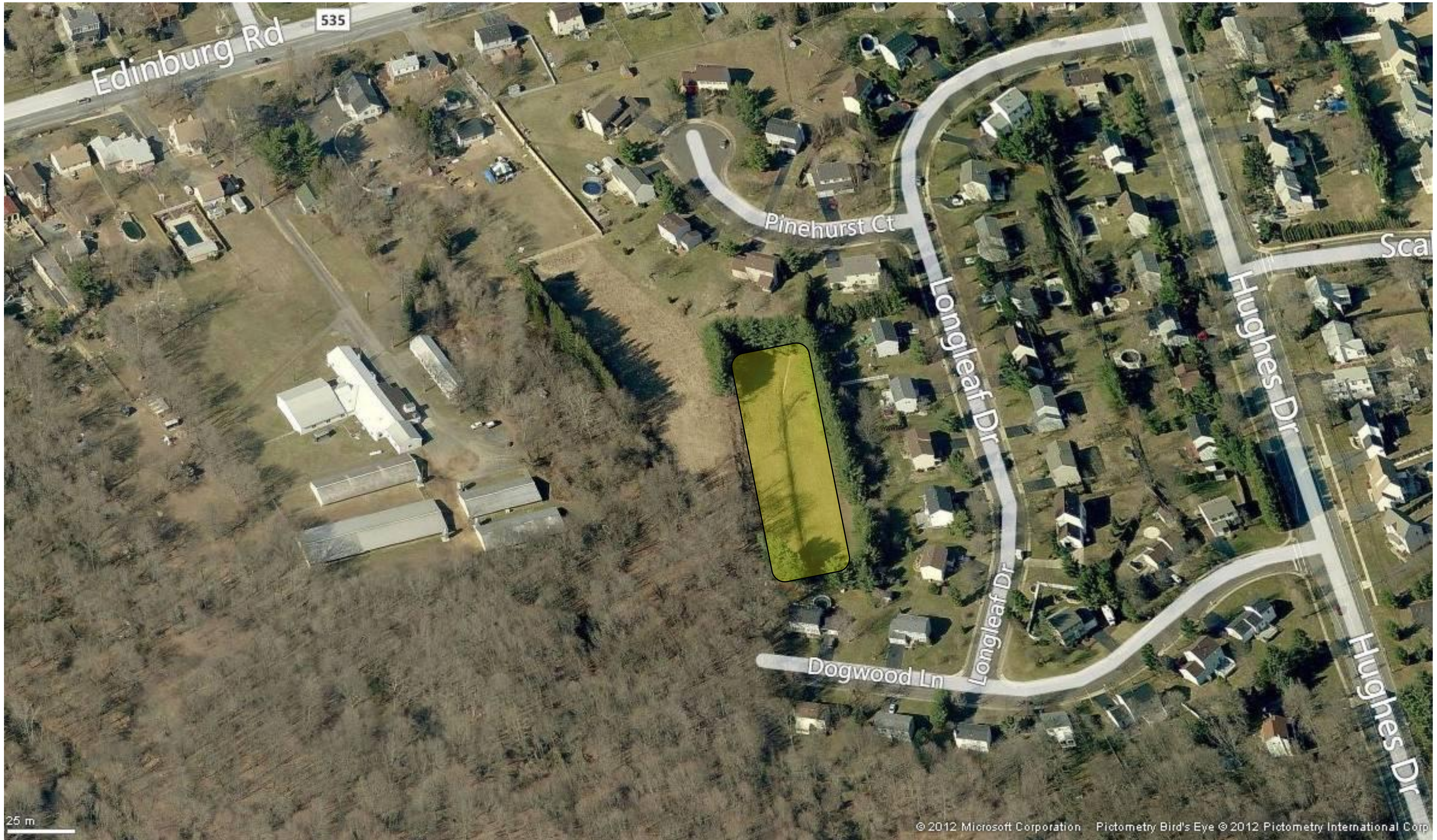
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Stormwater Basin Assessment

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Hamilton Township Stormwater Basin Assessment

1. Dogwood Lane Residential Detention Basin

Address:
12 Dogwood Ln
Trenton, NJ 08690



© 2012 Microsoft Corporation Pictometry Bird's Eye © 2012 Pictometry International Corp

Hamilton Township Stormwater Basin Assessment

1. Dogwood Lane Residential Detention Basin

Address:
12 Dogwood Ln
Trenton, NJ 08690



Clogged inlet.



Clogged low flow and outlet.



Looking south from basin bottom.

Notes:

- Inlets, outlet and low flow channel are clogged with sediment that is restricting the flow of water
- Excess plant growth within the low flow channel
- Woody vegetation growing around inlets and outlet

Hamilton Township
Stormwater Basin Assessment

2. Ernies Ct Residential Detention Basin

Address:
5 Ernies Ct
Trenton, NJ 08690



Hamilton Township
Stormwater Basin Assessment
2. Ernies Ct Residential Detention Basin

Address:
5 Ernies Ct
Trenton, NJ 08690



Inlet and low flow channel



Clogged outlet grate



Low flow and outlet

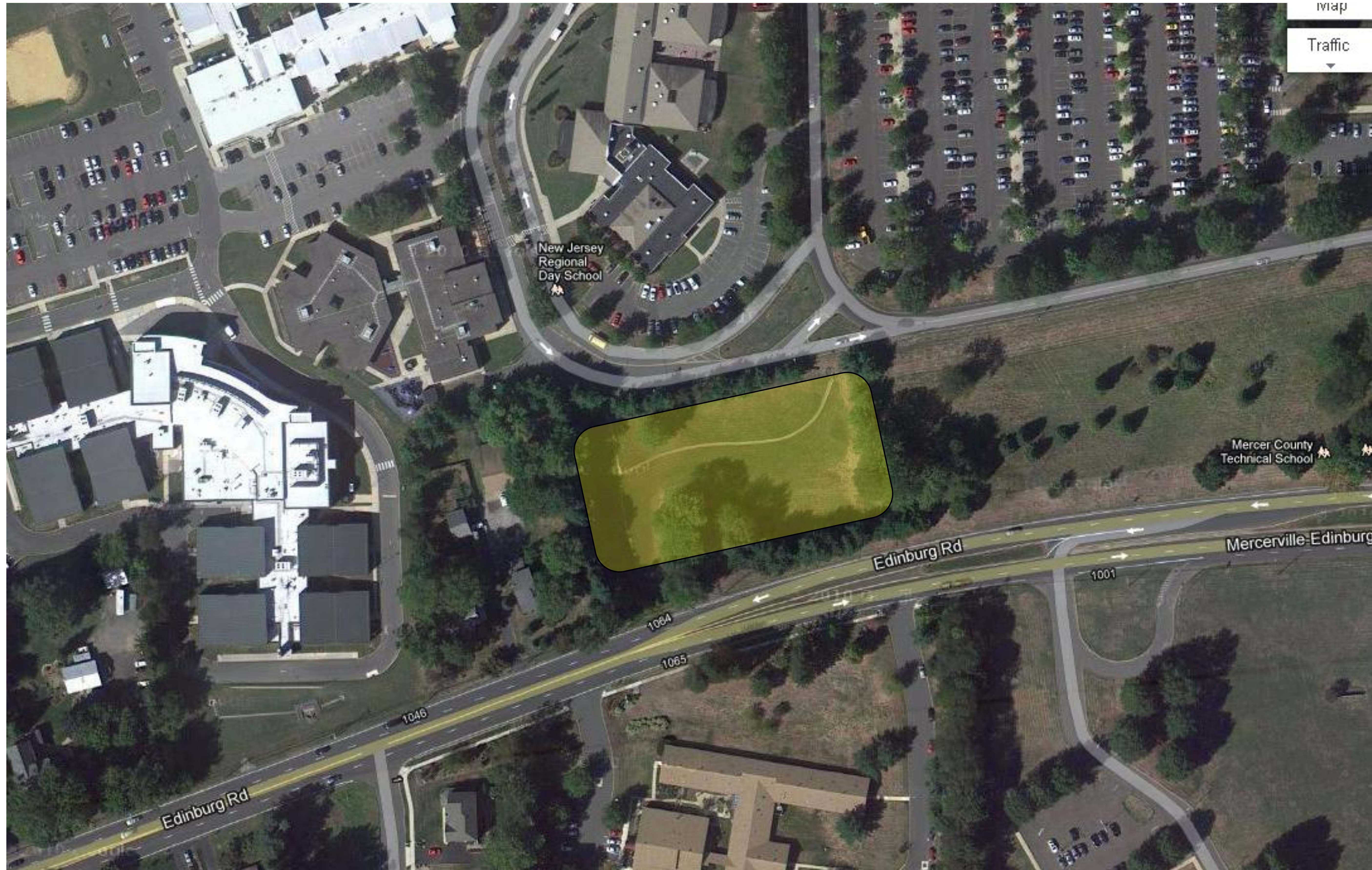
Notes:

- Outlet trash rack is clogged with grass clippings and leaves restricting the flow of water into outlet orifice.

Hamilton Township
Stormwater Basin Assessment

3. Mercer County Community College

Address:
1052 Mercerville-Edinburg Rd
Trenton, NJ 08690



Hamilton Township
Stormwater Basin Assessment

3. Mercer County Community College

Address:
1052 Mercerville-Edinburg Rd
Trenton, NJ 08690



Inlet with trash rack



Outlet structure



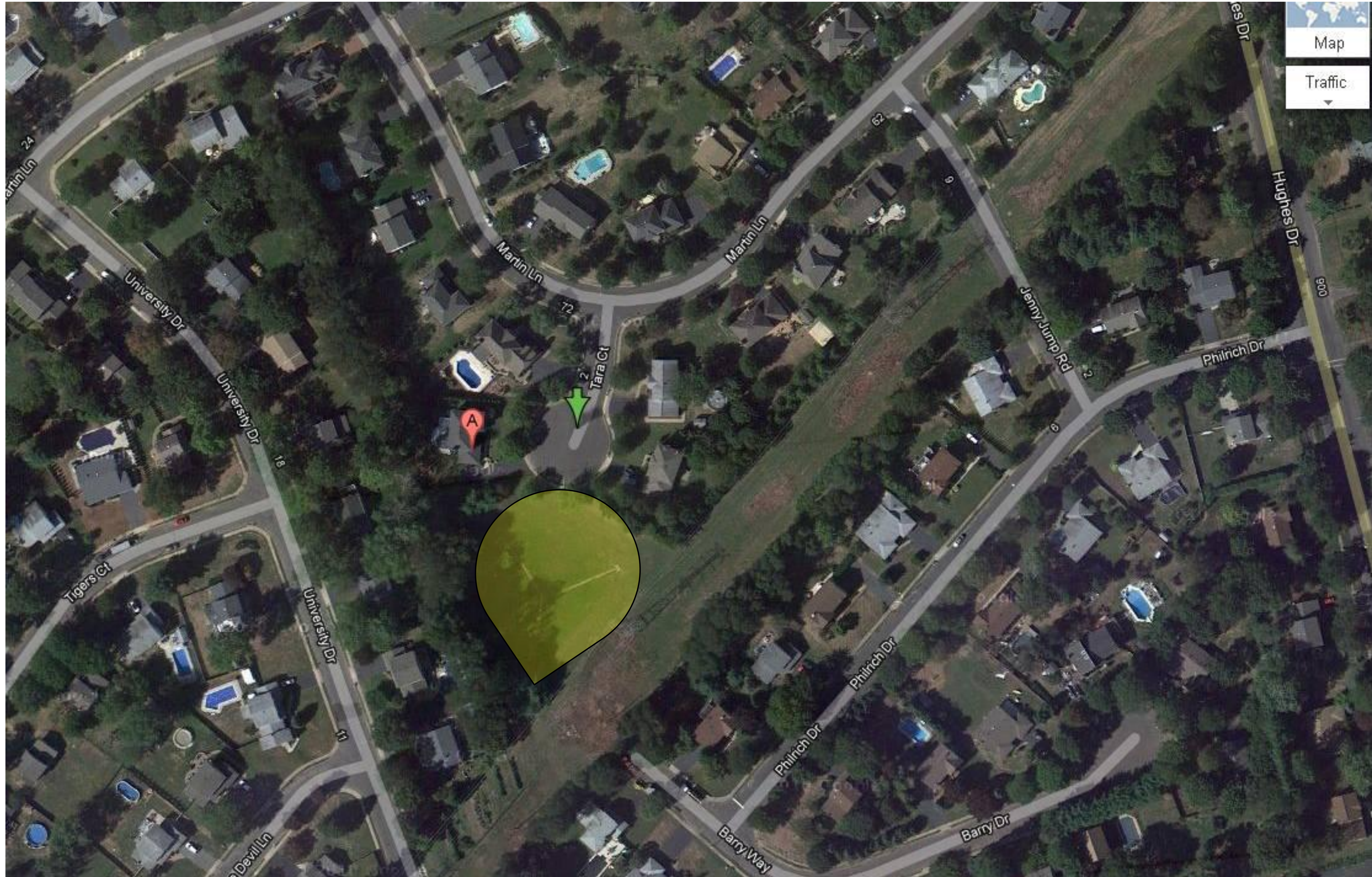
Inlet and rip rap

Notes:

- Outlet has vine growth in overflow during summer season
- Some debris/sediment in low flow channel

Hamilton Township
Stormwater Basin Assessment
4. Tara Ct. Residential Basin

Address:
4 Tara Ct
Trenton, NJ 08619



Hamilton Township
Stormwater Basin Assessment
4. Tara Ct. Residential Basin

Address:
4 Tara Ct
Trenton, NJ 08619



36" Diameter inlet



Outlet structure



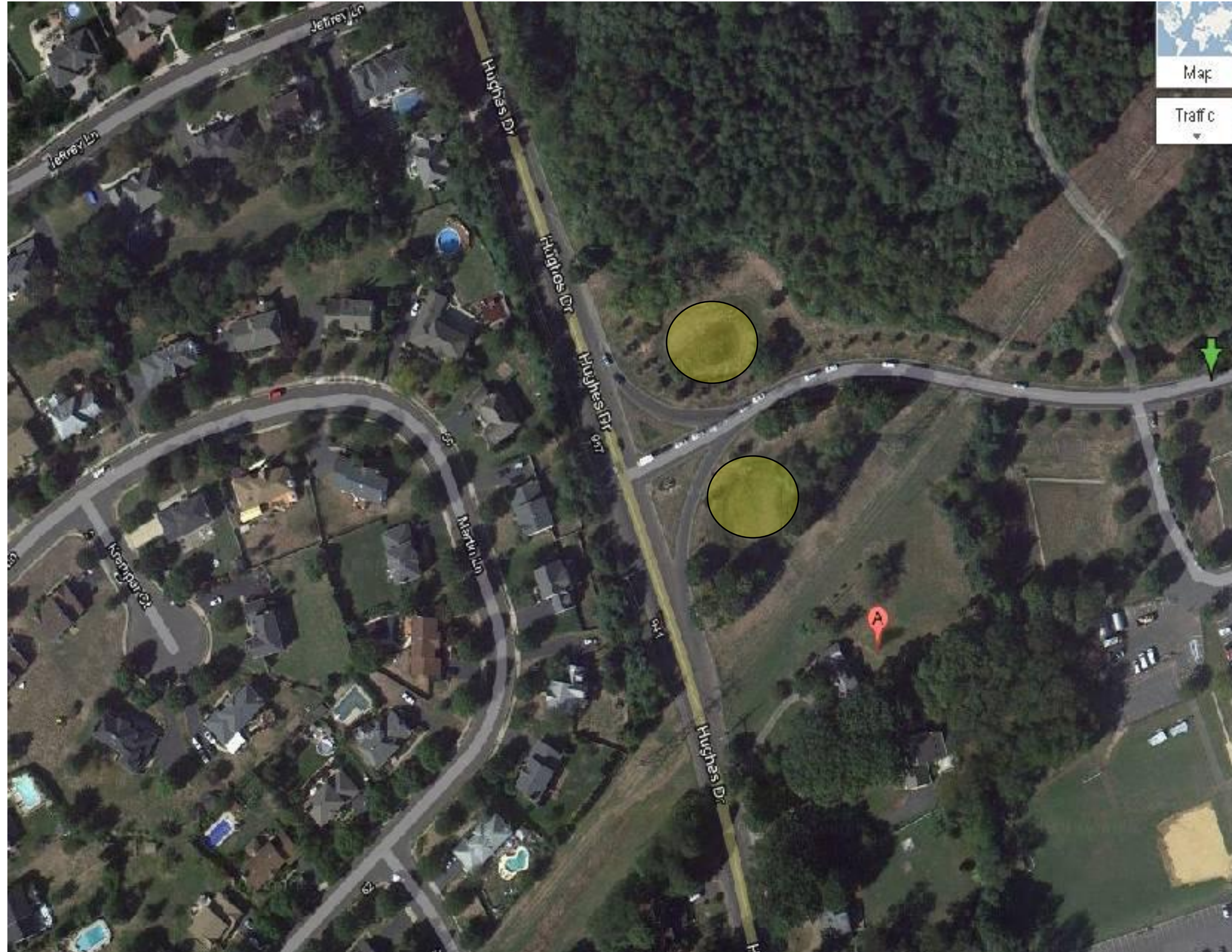
Entire basin looking southwest

Notes:

- Sediment accumulation in low flow channel

Hamilton Township
Stormwater Basin Assessment
5&6. Hughes Dr. Basins

Address:
957 Hughes Dr.
Hamilton Township, NJ 08690



Hamilton Township
Stormwater Basin Assessment
5&6. Hughes Dr. Basins

Address:
957 Hughes Dr.
Hamilton Township, NJ 08690



Basin bottom looking west



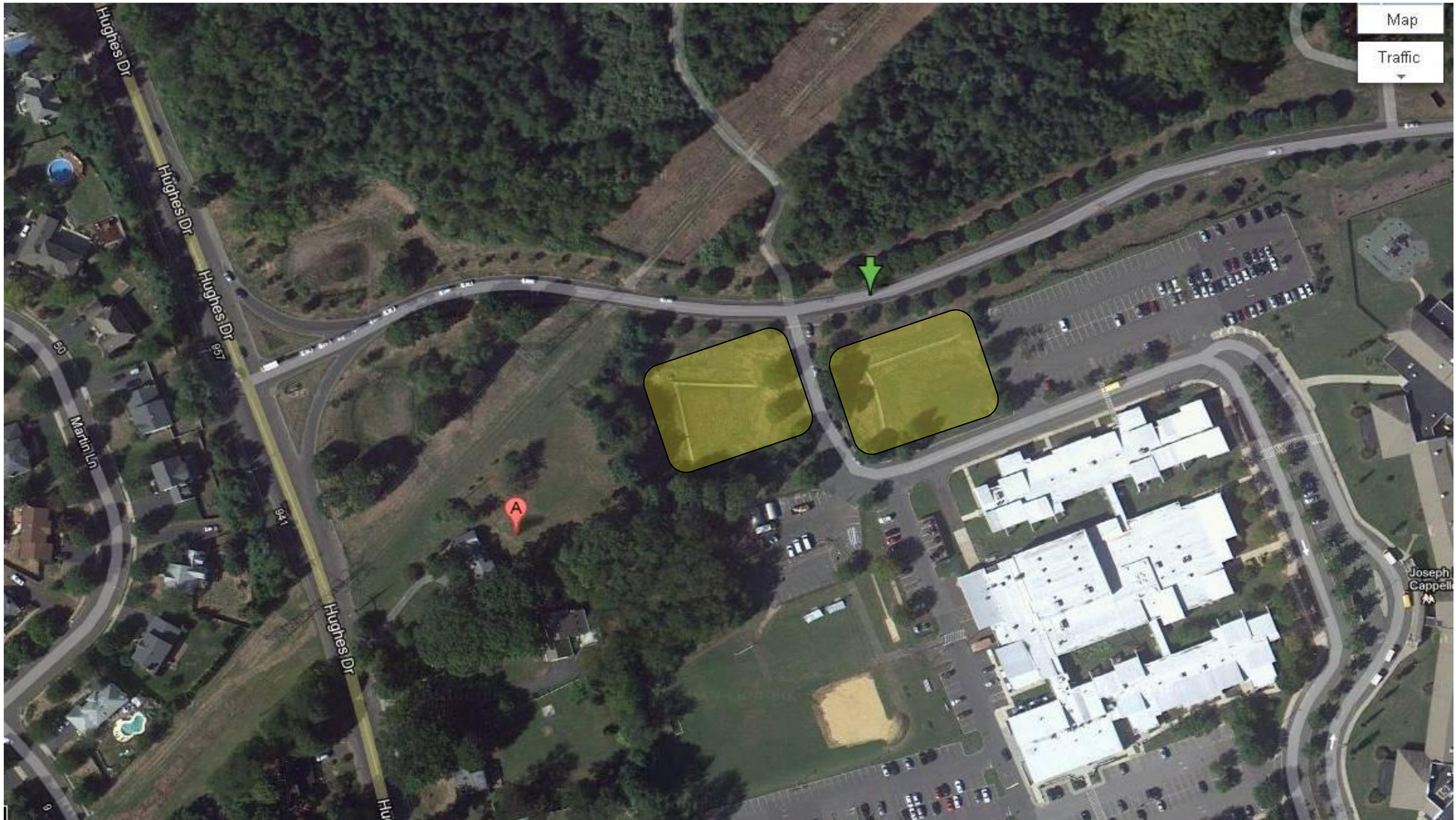
Dry cracking soil in basin bottom

Notes:

- No outlet structure, water discharges from basin via infiltration
- Excessive plant growth around inlet

Hamilton Township
Stormwater Basin Assessment
7&8. Joseph F Cappello School

Address:
1072 Mercerville-Edinburg Road
Trenton, NJ 08690



Hamilton Township
Stormwater Basin Assessment
7&8. Joseph F Cappello School

Address:
1072 Mercerville-Edinburg Road
Trenton, NJ 08690



Low flow with rip rap protection



18" Diameter inlet and low flow



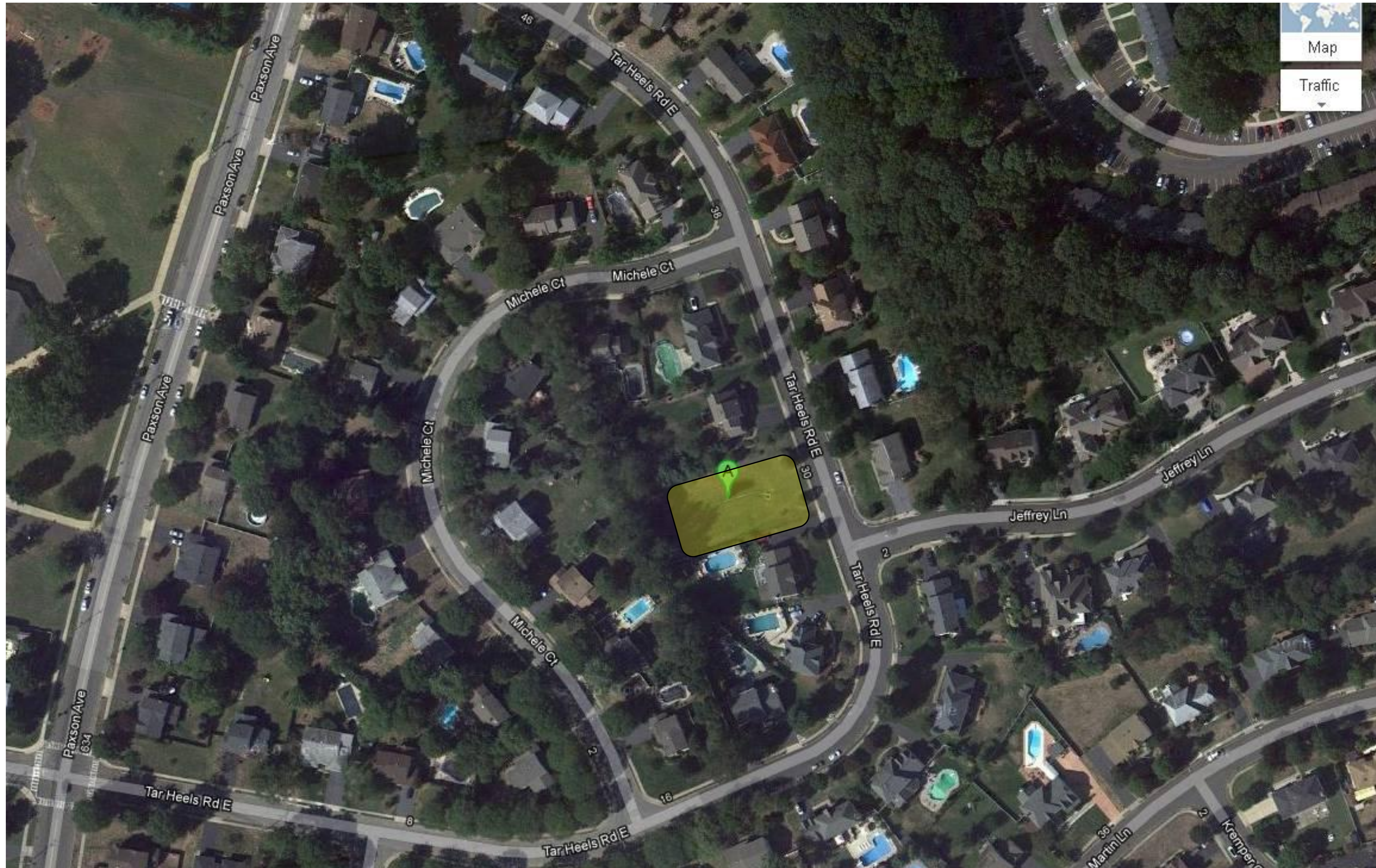
Eastern basin bottom

Notes:

- Well maintained
- Outfall leads to grass swale along road

Hamilton Township
Stormwater Basin Assessment
9. Tar Heel Rd E Residential Basin

Address:
30 Tar Heels Rd E
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
9. Tar Heel Rd E Residential Basin

Address:
30 Tar Heels Rd E
Hamilton Township, NJ 08619



Basin bottom looking west



Basin bottom looking east

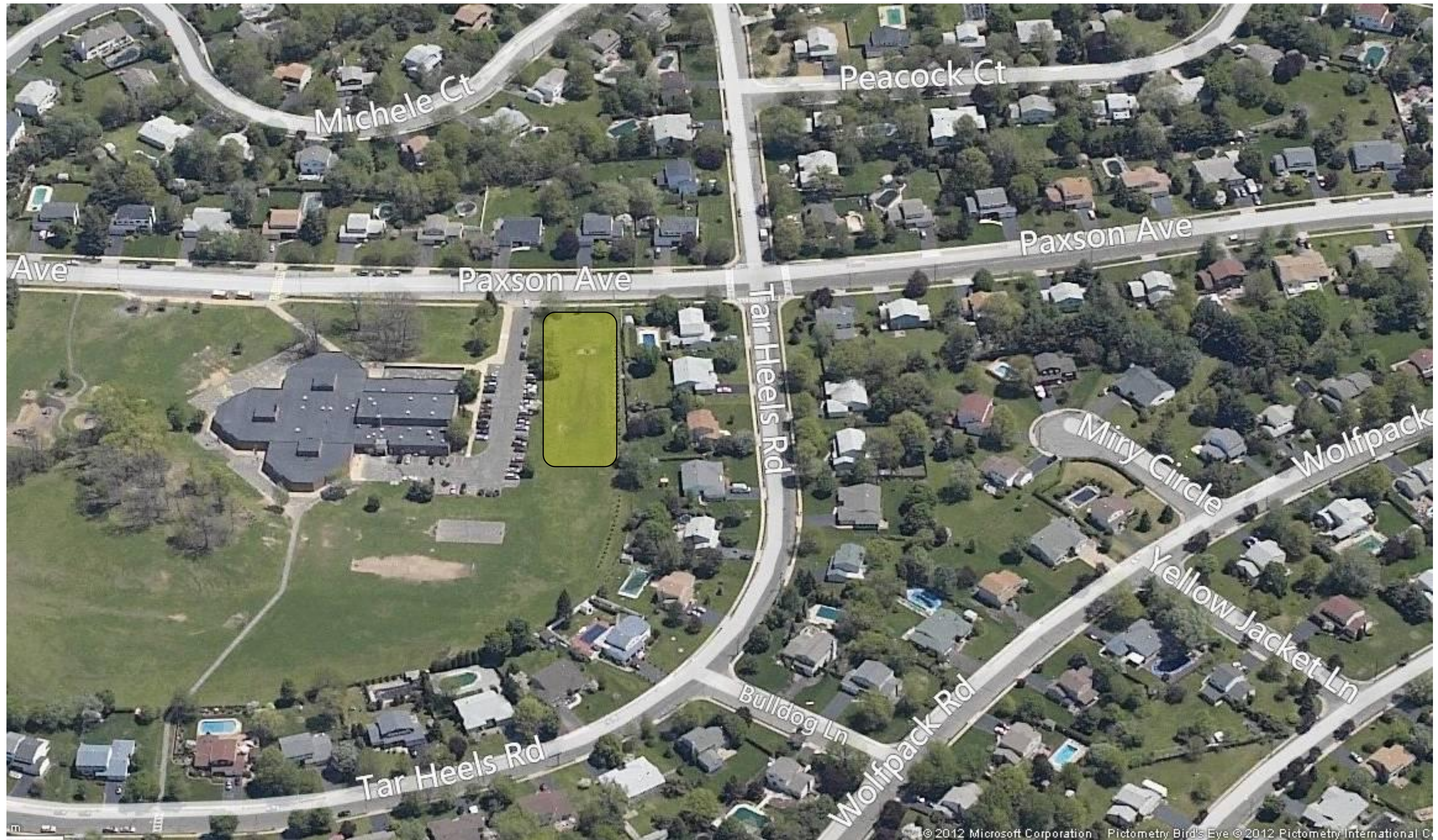
Notes:

- Sediment accumulation in low flow channel that is restricting the flow of water
- Outlet orifice is clogged with sediment
- Woody vegetation growth around outlet

Hamilton Township
Stormwater Basin Assessment

10. University Heights Elementary School

Address:
634 Paxson Ave
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment

10. University Heights Elementary School

Address:
634 Paxson Ave
Hamilton Township, NJ 08619



Sediment accumulation in the inlet



Outlet structure



Looking north along basin bottom

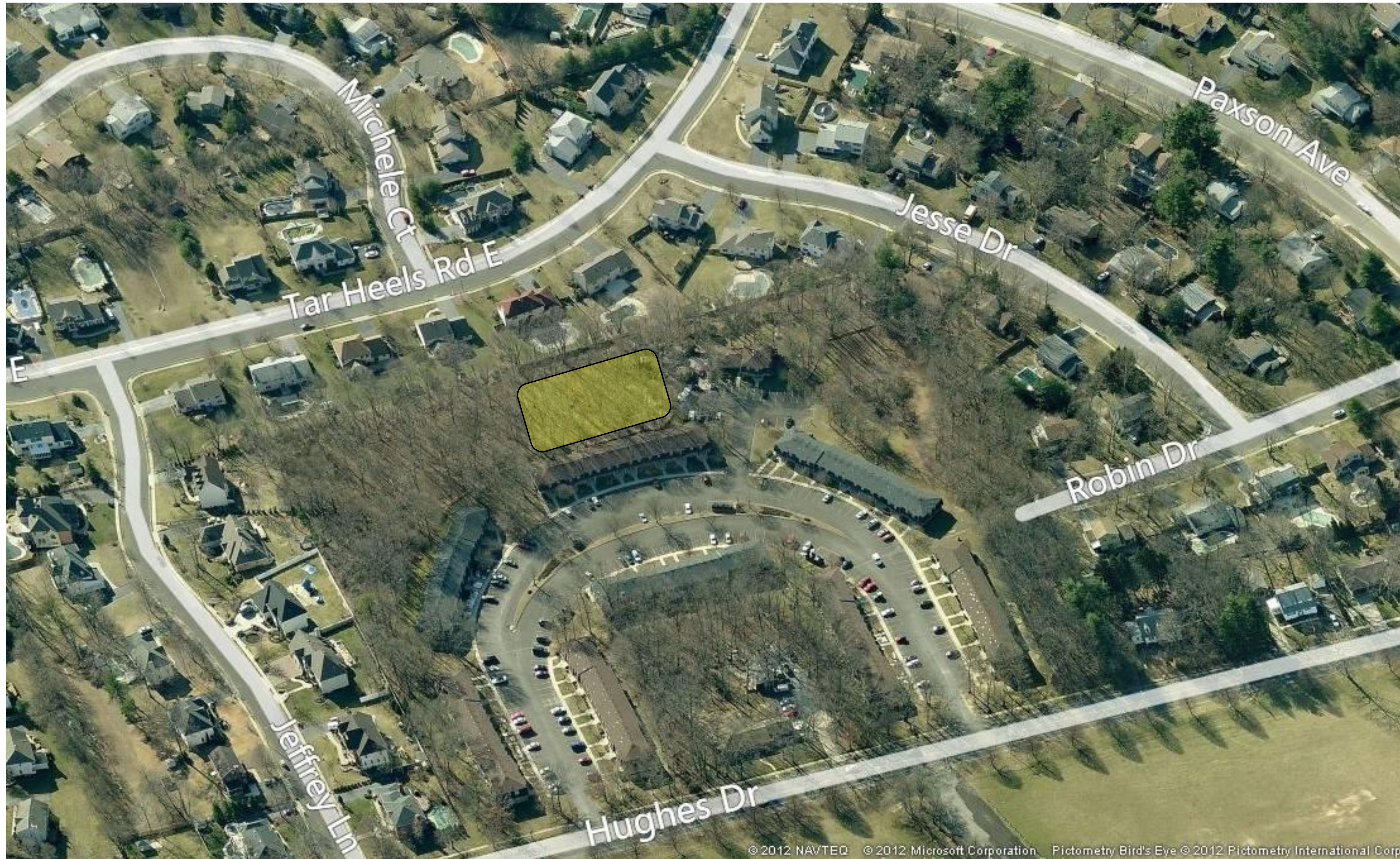
Notes:

- Sediment accumulation in front of inlet restricting flow of water
- Outlet orifice is clogged with sediment and debris
- Outlet has signs of breakage and woody vegetation growth

Hamilton Township
Stormwater Basin Assessment

11. Robin Ave Woodmere Apartments Basin

Address:
999 Hughes Dr
Hamilton Township, NJ 08690



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Hamilton Township Stormwater Basin Assessment

11. Robin Ave Woodmere Apartments Basin

Address:
999 Hughes Dr
Hamilton Township, NJ 08690



Inlet with woody vegetation



Outlet with woody vegetation and sediment



Basin bottom looking west

Notes:

- Sediment accumulation in inlet restricting the flow of water
- Outlet is clogged with sediment and debris
- Woody vegetation growth around inlet and outlet

Hamilton Township
Stormwater Basin Assessment

12. Mercer County Park Entrance Basin

Address:
Paxson Ave & Hughes Dr
Hamilton Township, NJ 08619



Hamilton Township Stormwater Basin Assessment

12. Mercer County Park Entrance Basin

Address:
Paxson Ave & Hughes Dr
Hamilton Township, NJ 08619



Basin bottom looking east



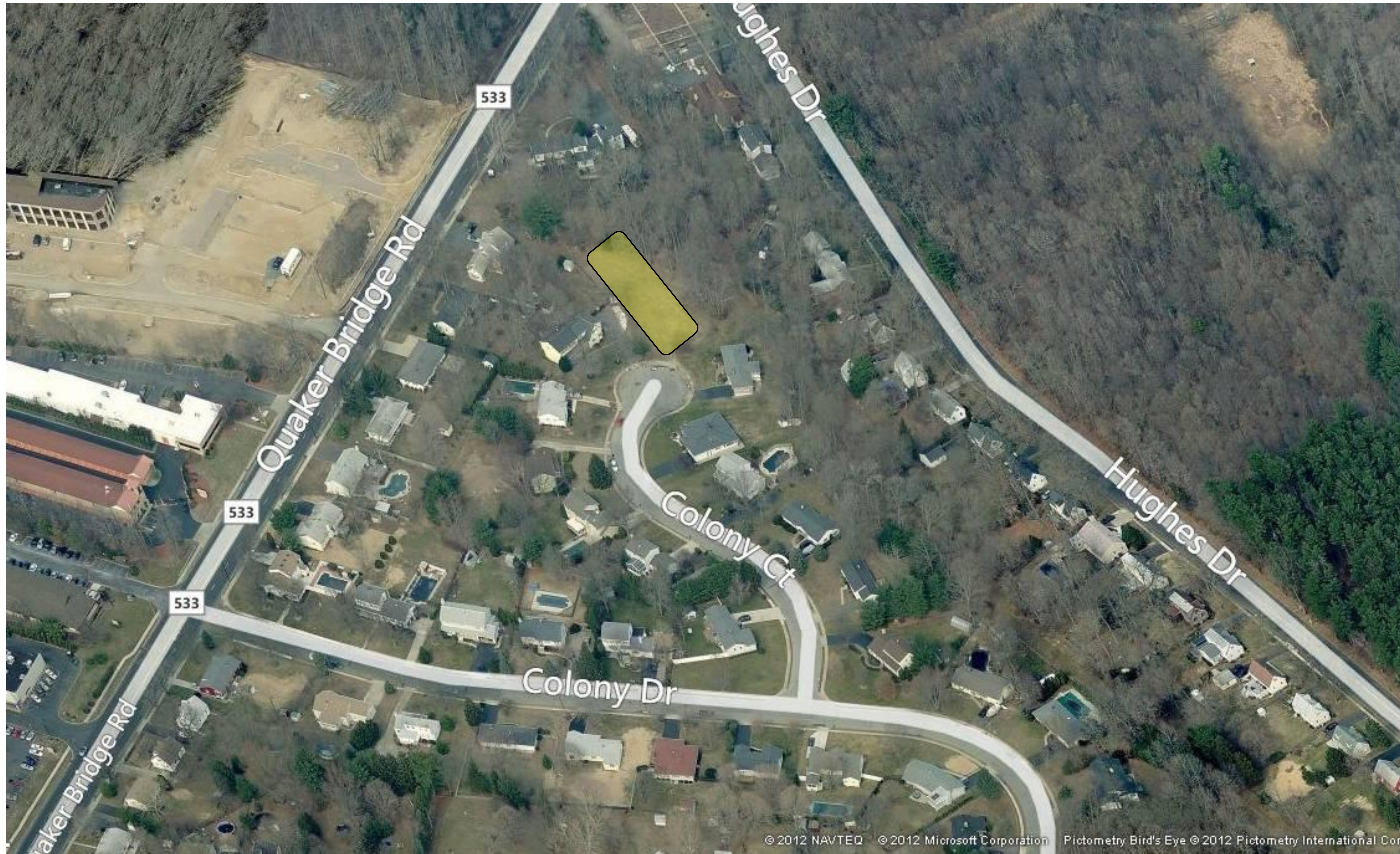
Basin bottom looking west

Notes:

- Grass-lined swale along entrance roadway to Mercer County Park
- 18" diameter outlet near Hughes Drive
- No inlet structure, swale collects runoff from adjacent turf fields and roadway

Hamilton Township
Stormwater Basin Assessment
13. Colony Ct Residential Basin

Address:
Colony Ct.
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
13. Colony Ct Residential Basin

Address:
Colony Ct.
Hamilton Township, NJ 08619



Overgrown inlet



Outlet with woody vegetation



Basin bottom looking west

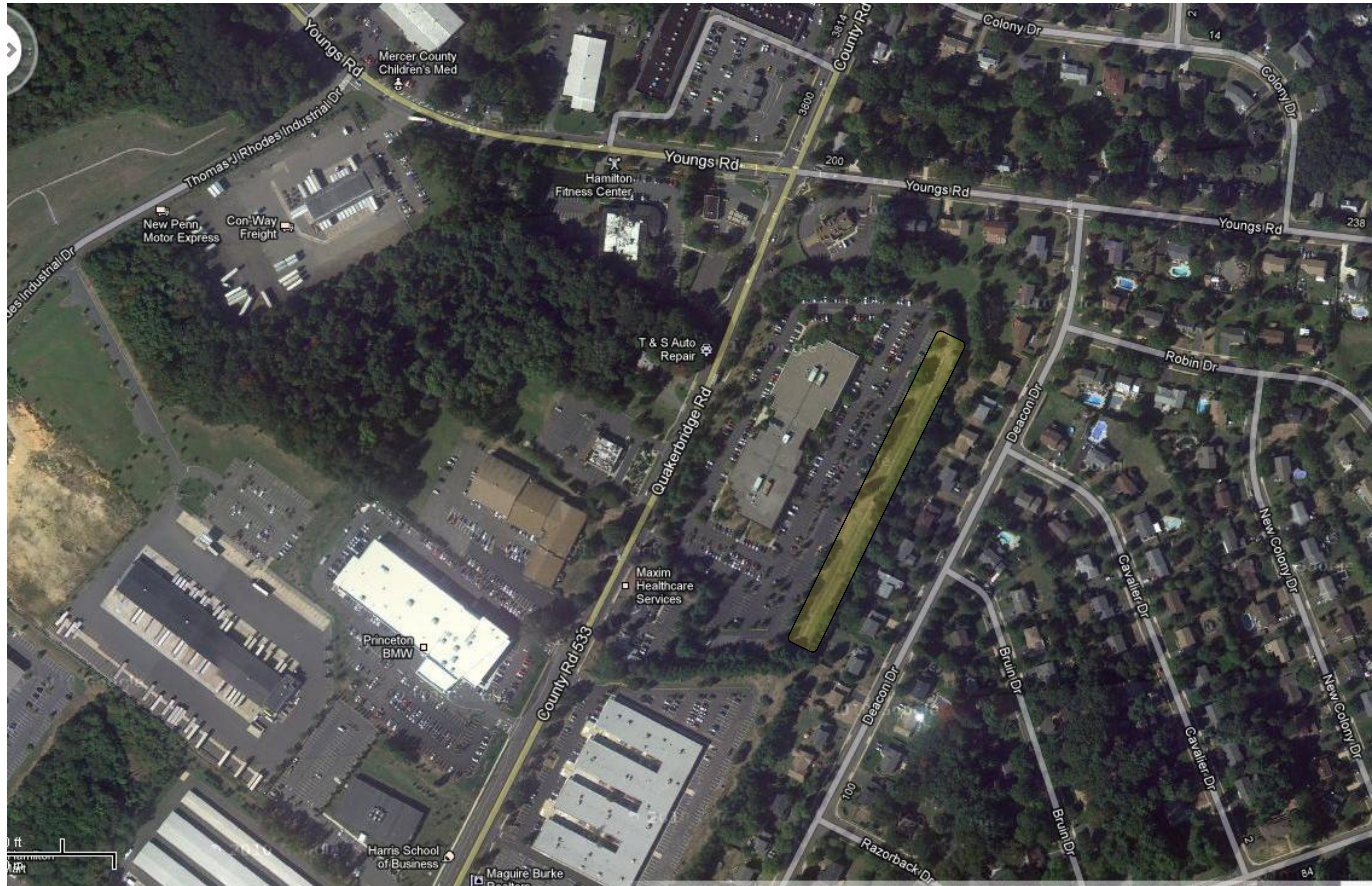
Notes:

- Sediment accumulation and erosion in front of the inlet
- Outlet is clogged with plant growth and sediment
- Excessive woody vegetation growth around inlet and outlet

Hamilton Township
Stormwater Basin Assessment

14. Maxim Healthcare Services Basin

Address:
3705 Quakerbridge Road #201
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment

14. Maxim Healthcare Services Basin

Address:
3705 Quakerbridge Road #201
Hamilton Township, NJ 08619



Outlet structure



Inlet, sediment in low flow channel



Basin bottom looking southwest

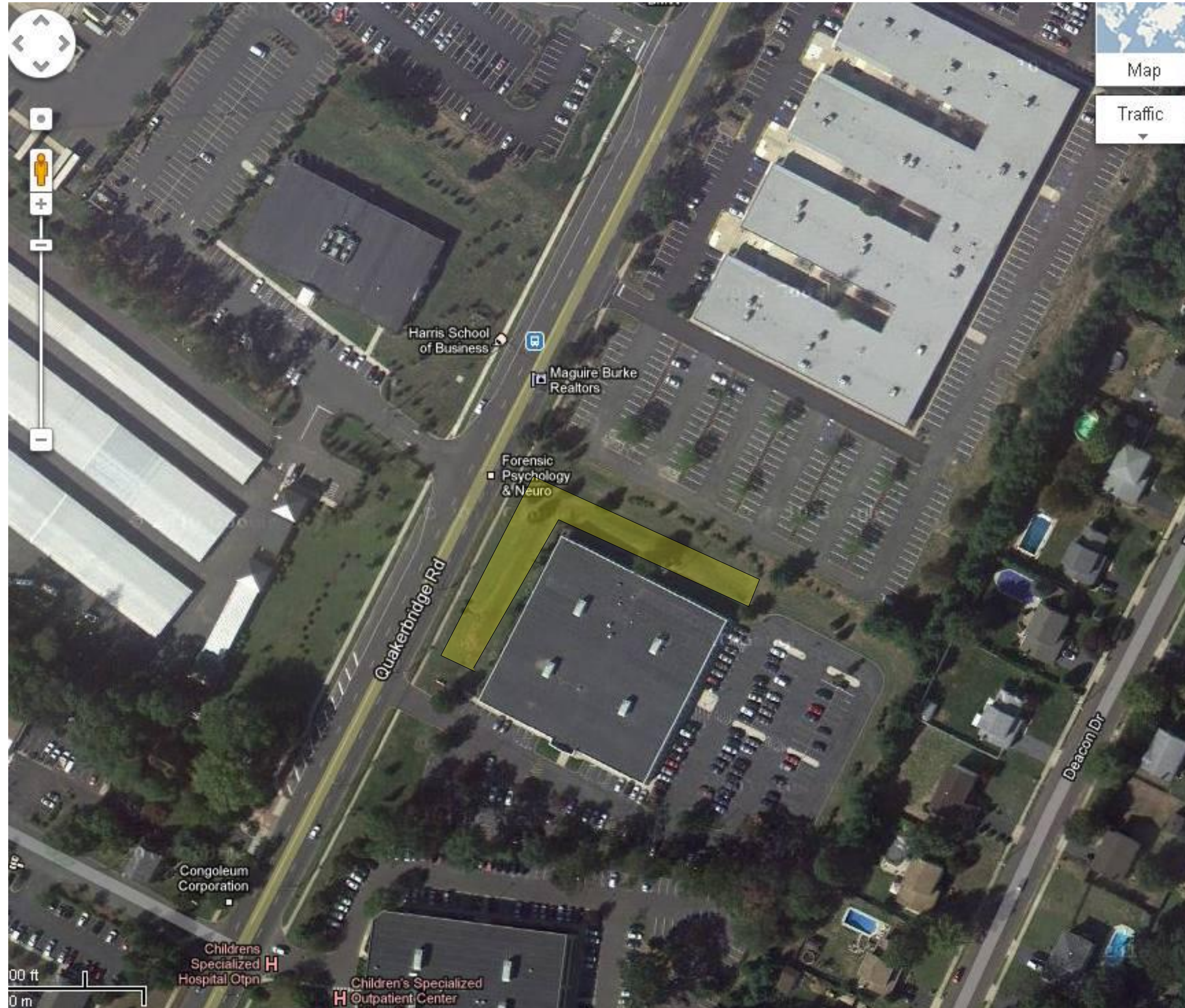
Notes:

- Sediment accumulation in low flow channel restricting the flow of water
- Outlet orifice is clogged with sediment and debris

Hamilton Township
Stormwater Basin Assessment

15. Forensic Psychology & Neuro Basin

Address:
3625 Quakerbridge Rd # C
Trenton, NJ 08619



Hamilton Township
Stormwater Basin Assessment

15. Forensic Psychology & Neuro Basin

Address:
3625 Quakerbridge Rd # C
Trenton, NJ 08619



Inlet and erosion



Basin bottom looking northeast



Clogged outlet orifice

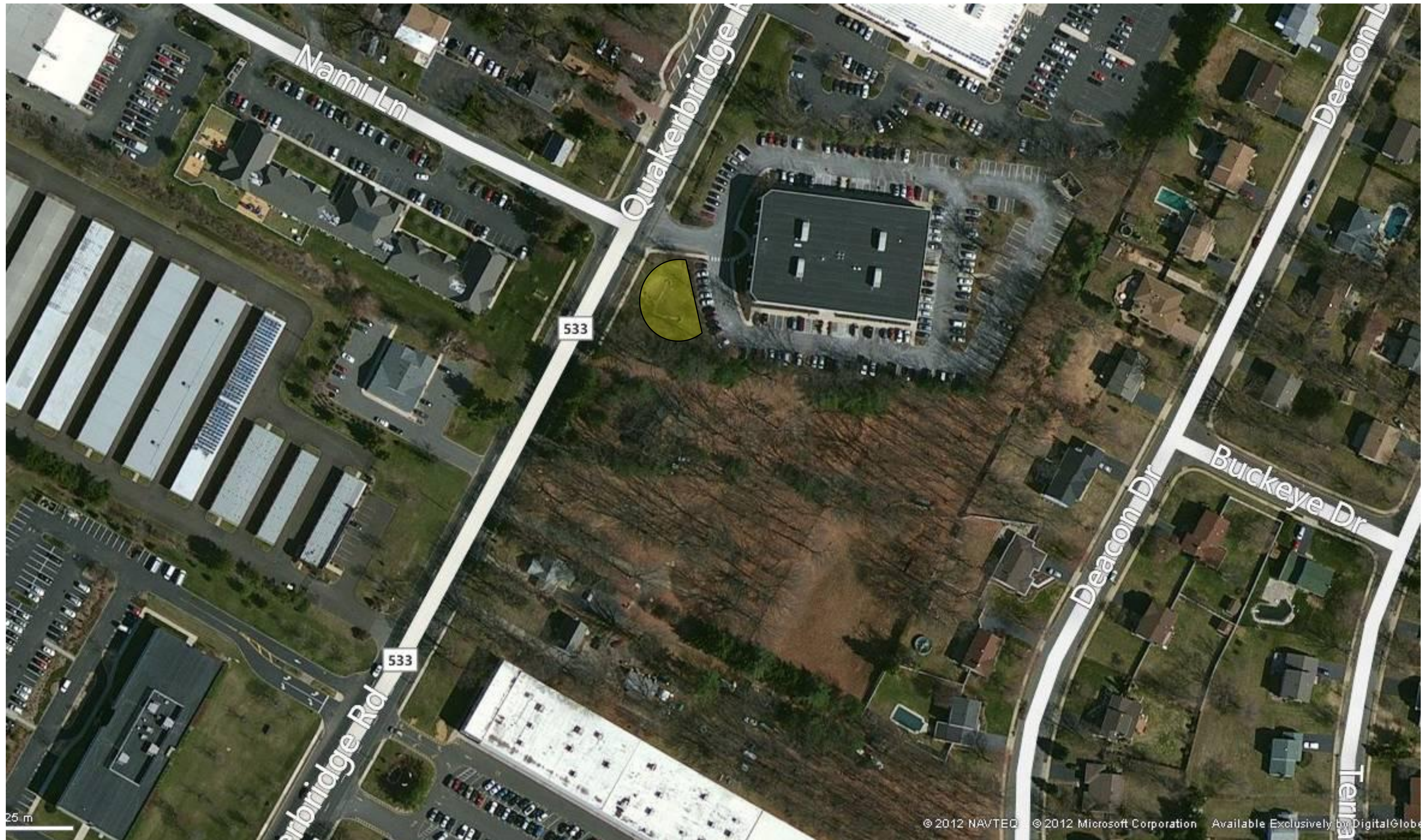
Notes:

- Evidence of erosion in front of inlets
- Erosion and excess plant growth in front of outlet orifice
- Standing water in basin bottom

Hamilton Township
Stormwater Basin Assessment

16. Children's Specialized Outpatient Center at Hamilton

Address:
3575 Quakerbridge Rd
Trenton, NJ 08619



Hamilton Township
Stormwater Basin Assessment

16. Children's Specialized Outpatient Center at Hamilton

Address:
3575 Quakerbridge Rd
Trenton, NJ 08619



Outlet structure



Basin bottom looking northwest

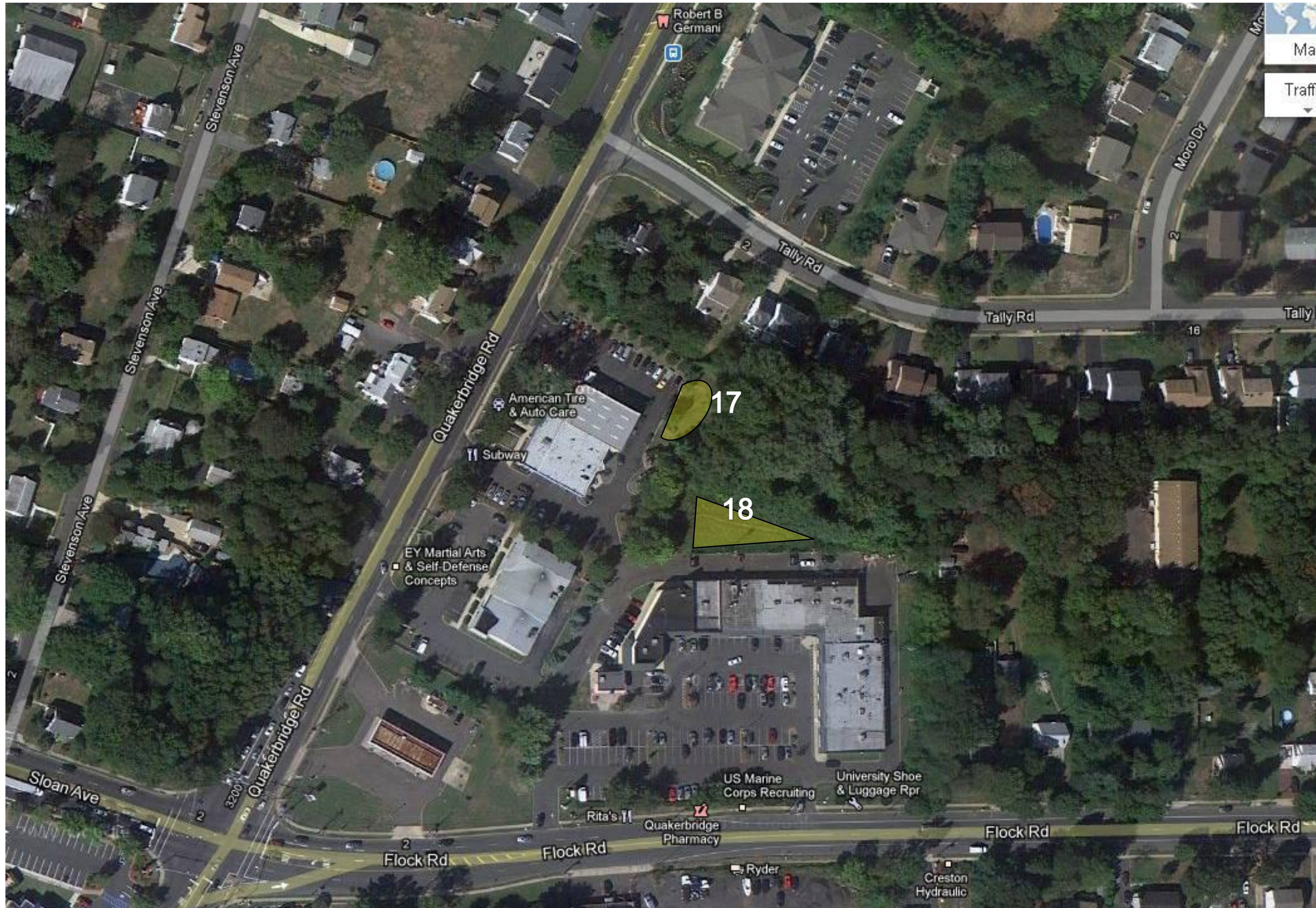
Notes:

- Sediment accumulation and grass clippings in low flow channel
- Outlet structure has been modified to extend detention time

Hamilton Township
Stormwater Basin Assessment

17 & 18. American Tire and Auto Care Basin

Address:
3275 Quakerbridge Road
Mercerville, NJ 08619



Hamilton Township
Stormwater Basin Assessment

17. American Tire and Auto Care Basin

Address:
3275 Quakerbridge Road
Mercerville, NJ 08619



View of basin looking east



Outlet structure



Inlet and low flow channel

Notes:

- Debris and sediment accumulation in low flow channel and outlet orifice
- Grate covering missing on outlet structure, outlet structure in need of repair
- Erosion and bare soils on west and east embankments

Hamilton Township
Stormwater Basin Assessment

18. American Tire and Auto Care Basin

Address:
3275 Quakerbridge Road
Mercerville, NJ 08619



Basin bottom looking north



Inlet pipe



Outlet structure

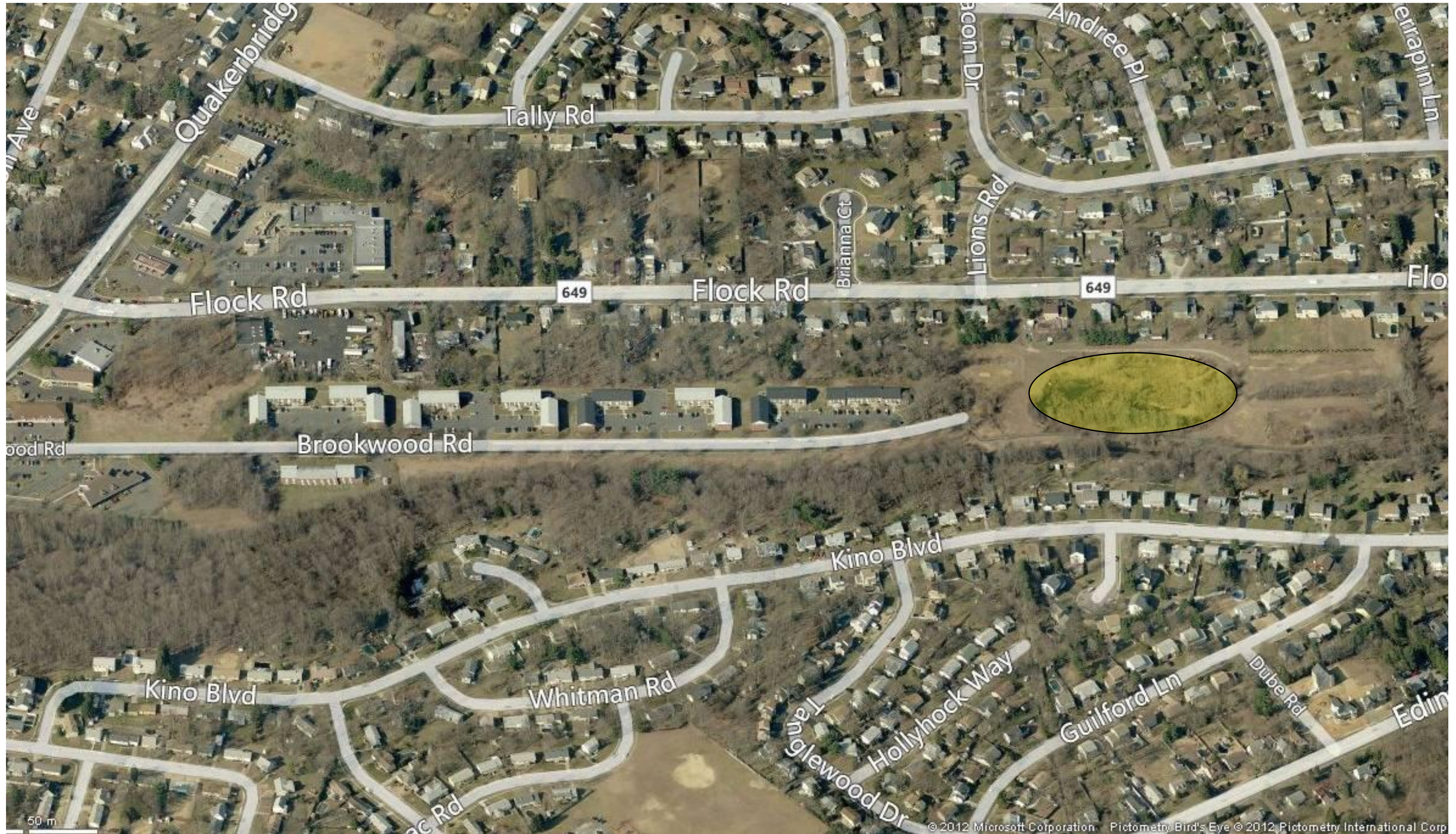
Notes:

- Outlet has damage, signs of erosion, and woody vegetation growth
- Sediment and debris accumulation around inlet and outlet
- Invasive Purple Loosestrife colonizing basin

Hamilton Township
Stormwater Basin Assessment

19. Brookwood Rd Residential Basin

Address:
193 Brookwood Rd
Trenton, NJ 08619



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Hamilton Township
Stormwater Basin Assessment
19. Brookwood Rd Residential Basin

Address:
193 Brookwood Rd
Trenton, NJ 08619



View of basin looking east



Outlet Structure



Inlet and erosion

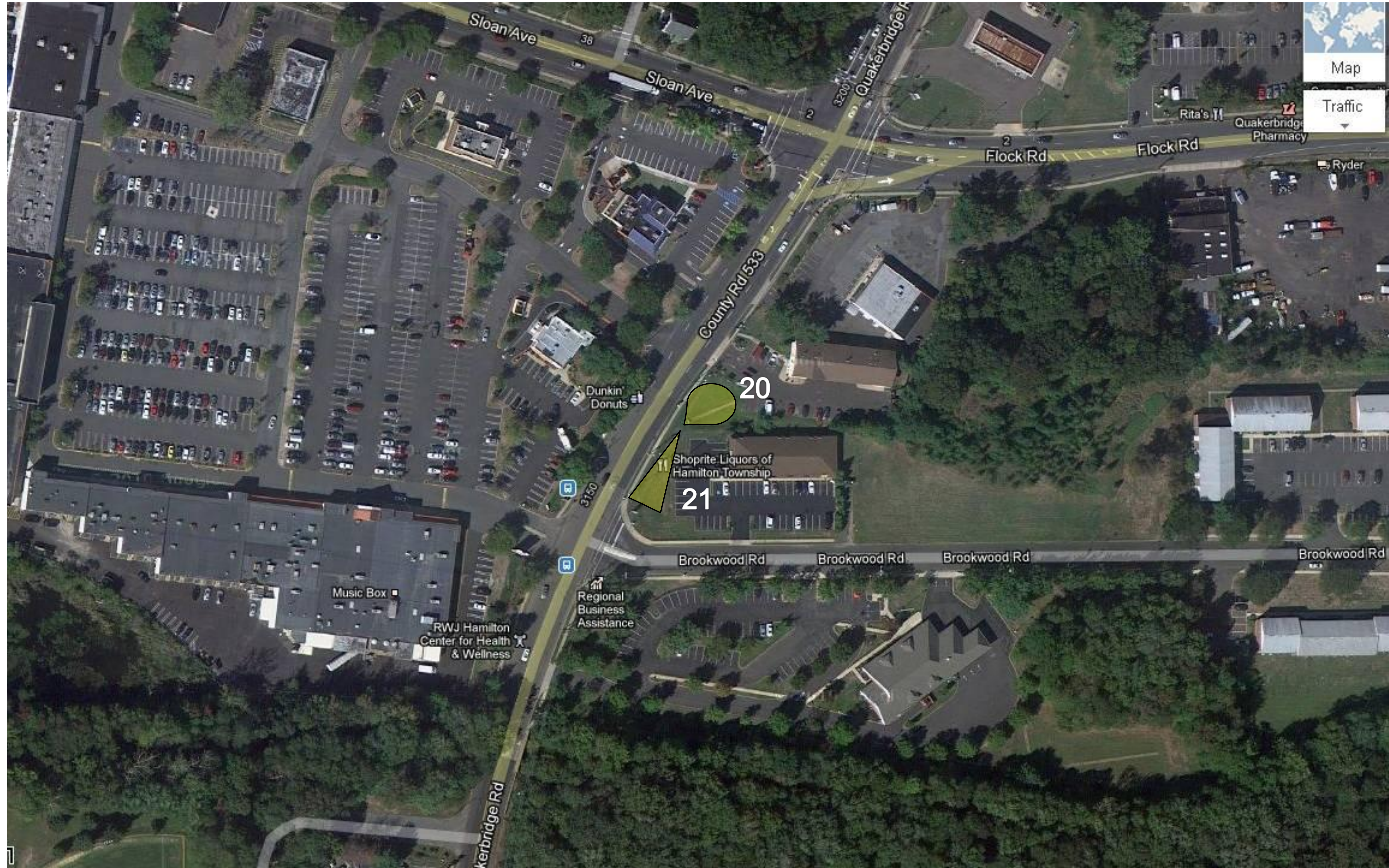
Notes:

- Basin is naturalized with dense vegetation
- Inlets and outlets are inaccessible due to vegetation growth in warm months
- Invasive plant species present including Phragmites and Purple Loosestrife
- Erosion present

Hamilton Township
Stormwater Basin Assessment

20 & 21. ShopRite Liquors of Hamilton Basin

Address:
3161 Quakerbridge Road
Mercerville, NJ 08619



Hamilton Township
Stormwater Basin Assessment

20. ShopRite Liquors of Hamilton Basin

Address:
3161 Quakerbridge Road
Mercerville, NJ 08619



Low flow channel and clogged outlet



Inlet and rip rap protection

Notes:

- Outlet trash rack is clogged with grass clippings and sediment

Hamilton Township Stormwater Basin Assessment

21. ShopRite Liquors of Hamilton Basin

Address:
3161 Quakerbridge Road
Mercerville, NJ 08619



Erosion at inlet



Damaged outlet



Damaged inlet



Basin bottom looking north

Notes:

- Curb cuts (inlets) are damaged with erosion evident
- Outlet has structural damage and erosion

Hamilton Township
Stormwater Basin Assessment
22. PNC Bank Basin

Address:
3111 Quakerbridge Road
Trenton, NJ 08619



Hamilton Township
Stormwater Basin Assessment
22. PNC Bank Basin

Address:
3111 Quakerbridge Road
Trenton, NJ 08619



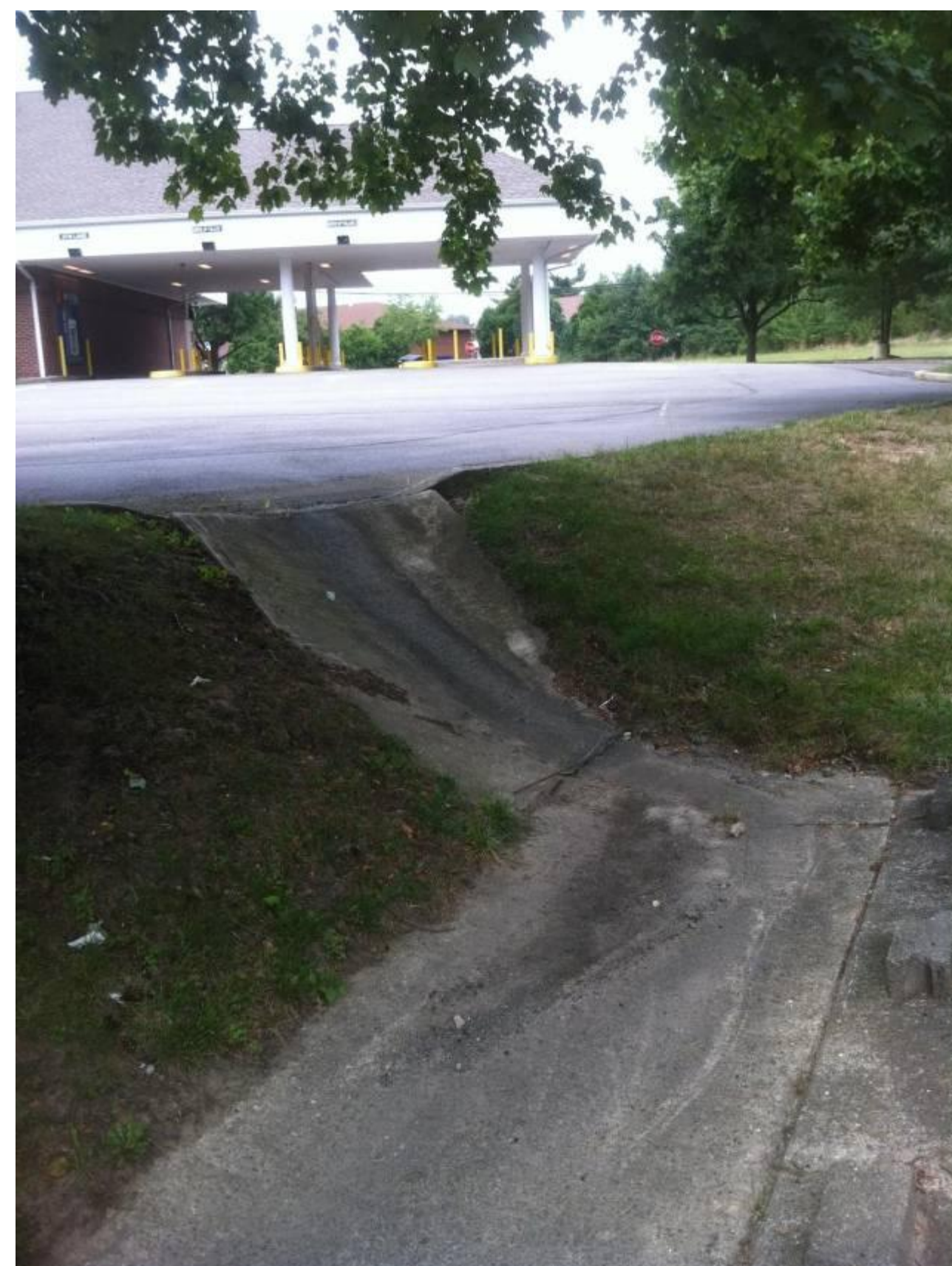
Basin bottom looking east



Sediment in low flow channel



Damaged outlet



Curb cut inlet

Notes:

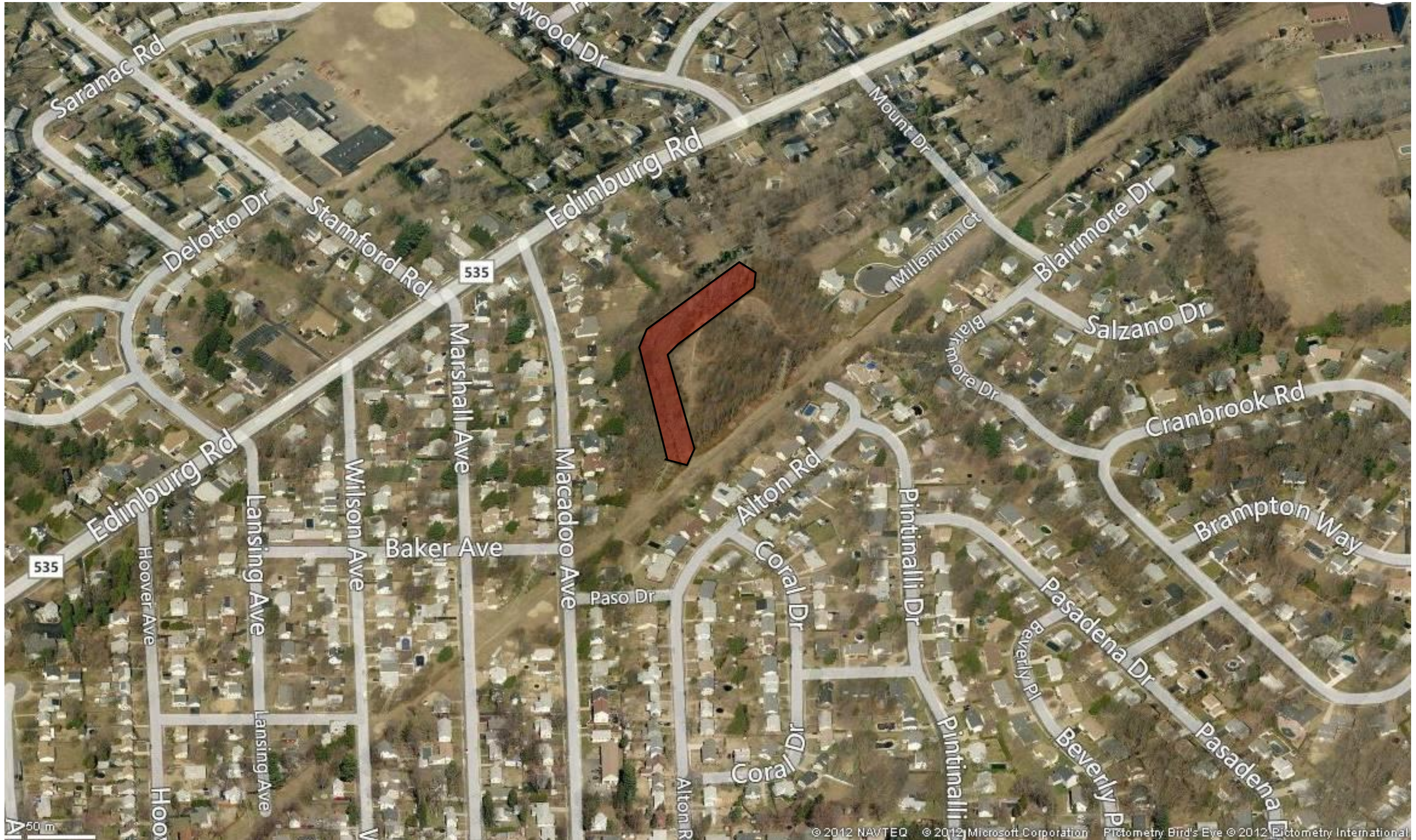
- Excess sediment accumulation in low flow channels
- Outlet has structural damage
- Discharges directly to Miry Run

Hamilton Township
Stormwater Basin Assessment
23. Alton Rd Residential Basin

Address:
Alton Road
Trenton, NJ 08619



****No Basin Found**



Hamilton Township
Stormwater Basin Assessment
24 & 25. Edinburg Rd Residential Basins

Address:
Edinburg Rd & Wesleyan Rd
Trenton, NJ 08619



Hamilton Township
Stormwater Basin Assessment

24. Edinburg Rd Residential Basins

Address:
Edinburg Rd & Wesleyan Rd
Trenton, NJ 08619



Outlet



Basin bottom looking west

Notes:

- No inlets, receives water from surrounding turf areas
- Outlet has signs of erosion

Hamilton Township
Stormwater Basin Assessment
25. Edinburg Rd Residential Basins

Address:
Edinburg Rd & Wesleyan Rd
Trenton, NJ 08619



Inlet



Basin bottom looking east

Notes:

- Inlet is clogged with grass clippings
- No outlet, Miry Run is located directly behind the west side of the basin

Hamilton Township
Stormwater Basin Assessment

26, 27, & 28. Crestwood Dr Residential Basins

Address:
6 Crestwood Dr
Trenton, NJ 08619



Hamilton Township
Stormwater Basin Assessment
26 & 27. Crestwood Dr Residential Basins

Address:
6 Crestwood Dr
Trenton, NJ 08619



Outlet



Inlet



Emergency Spillway

Notes:

- Standing water remaining in basin
- Woody vegetation growth around inlet
- Excess sediment accumulation in outlet

Hamilton Township
Stormwater Basin Assessment
28. Crestwood Dr Residential Basins

Address:
6 Crestwood Dr
Trenton, NJ 08619



Entire basin looking east near inlet

Notes:

- Standing water remaining in basin
- No outlet visible, basin developing into a wetland system

Hamilton Township
Stormwater Basin Assessment
29. Arrowwood Dr Residential Basin

Address:
11 Arrowwood Dr
Trenton, NJ 08619



Hamilton Township
Stormwater Basin Assessment
29. Arrowwood Dr Residential Basin

Address:
11 Arrowwood Dr
Trenton, NJ 08619



Basin bottom looking south



Two inlets



Outlet

Notes:

- Excess sediment accumulation in low flow channel
- Outlet has some sediment accumulation

Hamilton Township
Stormwater Basin Assessment
30. Fordham Dr Residential Basin

Address:
5 Fordham Dr
Trenton, NJ 08619



Hamilton Township
Stormwater Basin Assessment
30. Fordham Dr Residential Basin

Address:
5 Fordham Dr
Trenton, NJ 08619



Basin bottom looking northeast



Inlet protection



Gabion wall perimeter



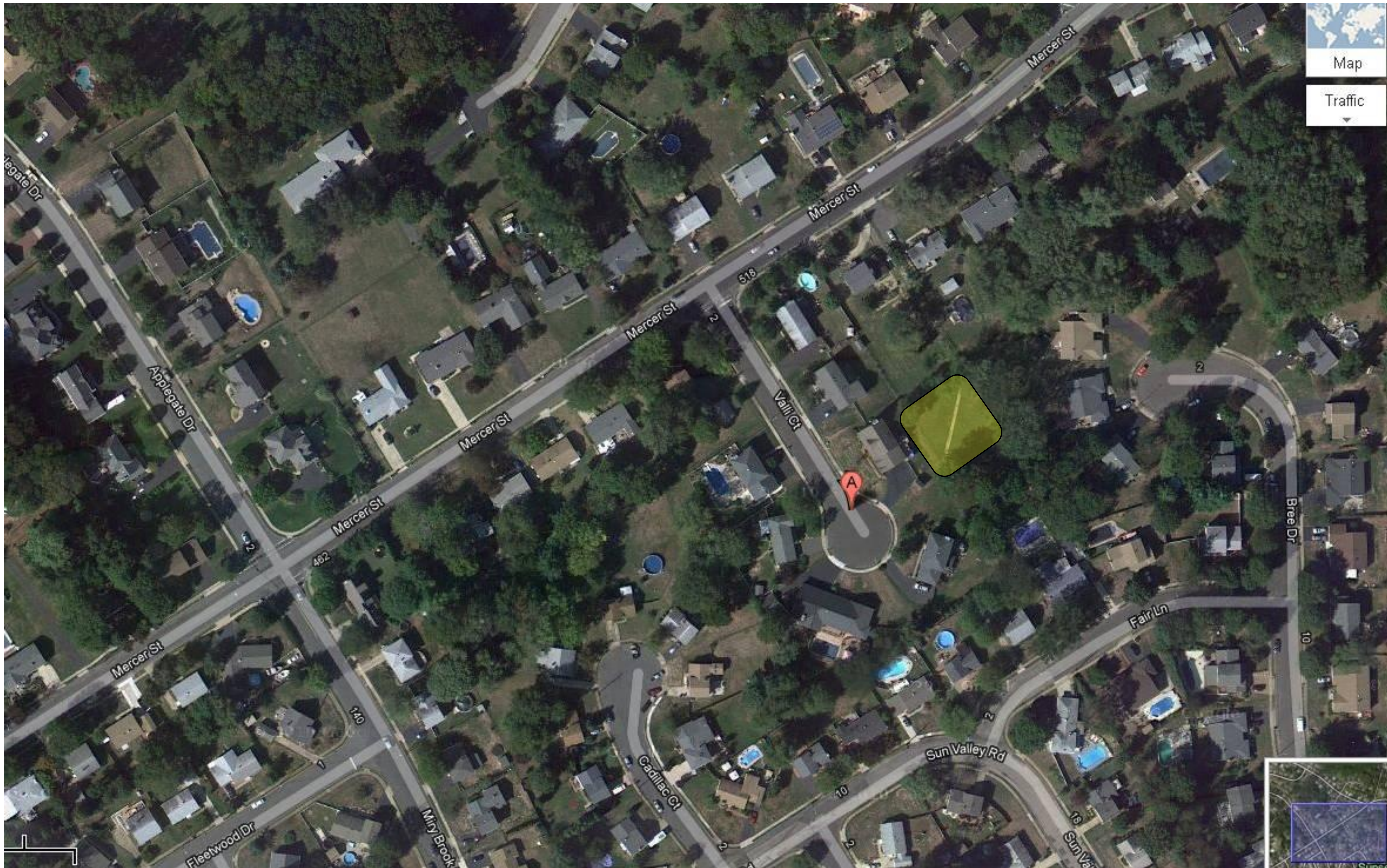
Overgrown outlet

Notes:

- Standing water in low flow channel
- Outlet has sediment accumulation and excessive plant growth

Hamilton Township
Stormwater Basin Assessment
31. Valli Ct Residential Basin

Address:
6-8 Valli Ct
Hamilton Township, NJ 08690



Hamilton Township
Stormwater Basin Assessment
31. Valli Ct Residential Basin

Address:
6-8 Valli Ct
Hamilton Township, NJ 08690



Entire Basin looking northeast

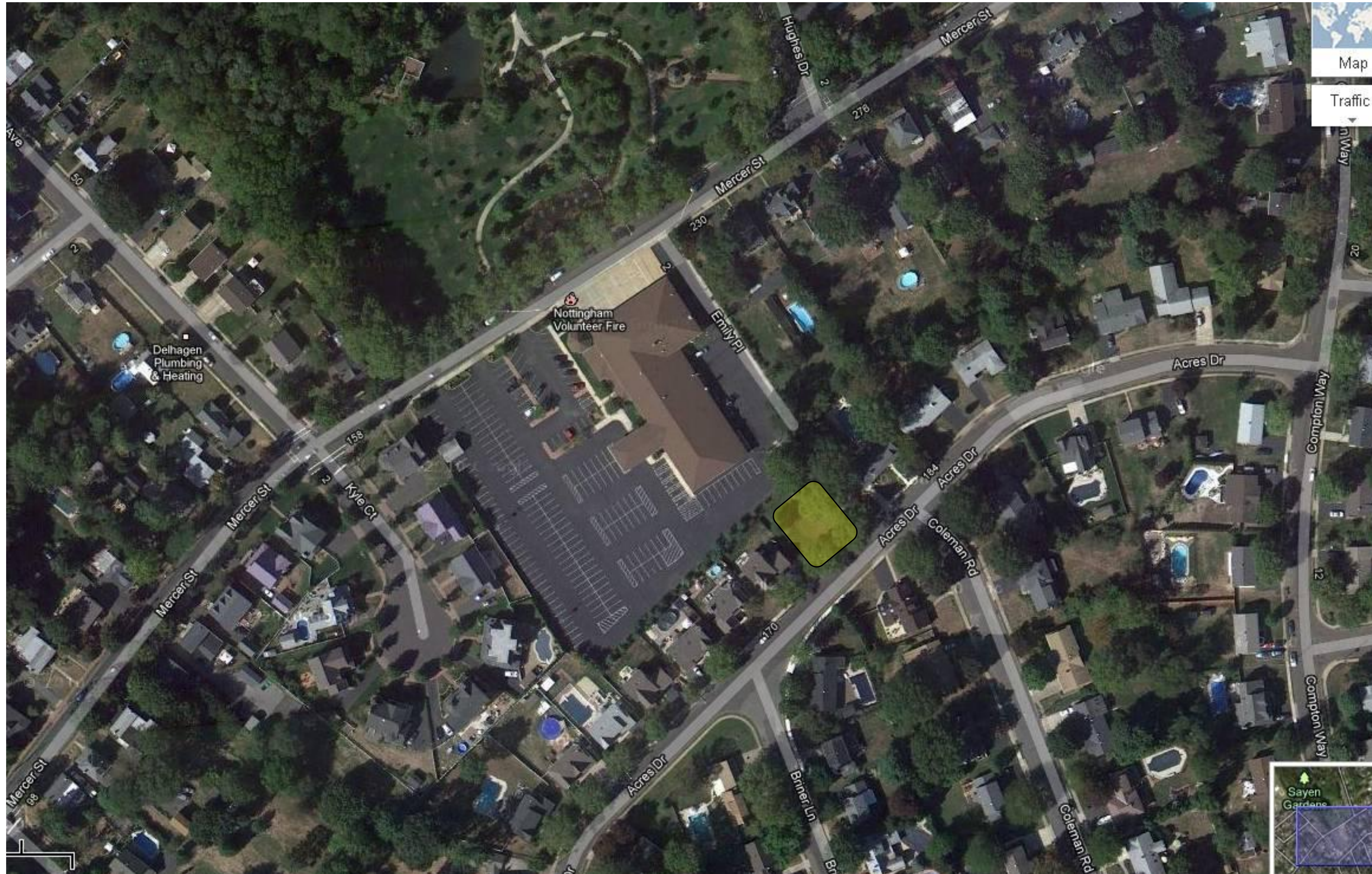
Notes:

- Standing water in low flow channel
- Some grass clippings around inlet

Hamilton Township
Stormwater Basin Assessment

32. Nottingham Volunteer Fire Co Basin

Address:
200 Mercer Street
Trenton, NJ 08690



Hamilton Township
Stormwater Basin Assessment

32. Nottingham Volunteer Fire Co Basin

Address:
200 Mercer Street
Trenton, NJ 08690



Inlet clogged with sediment



Clogged outlet structure



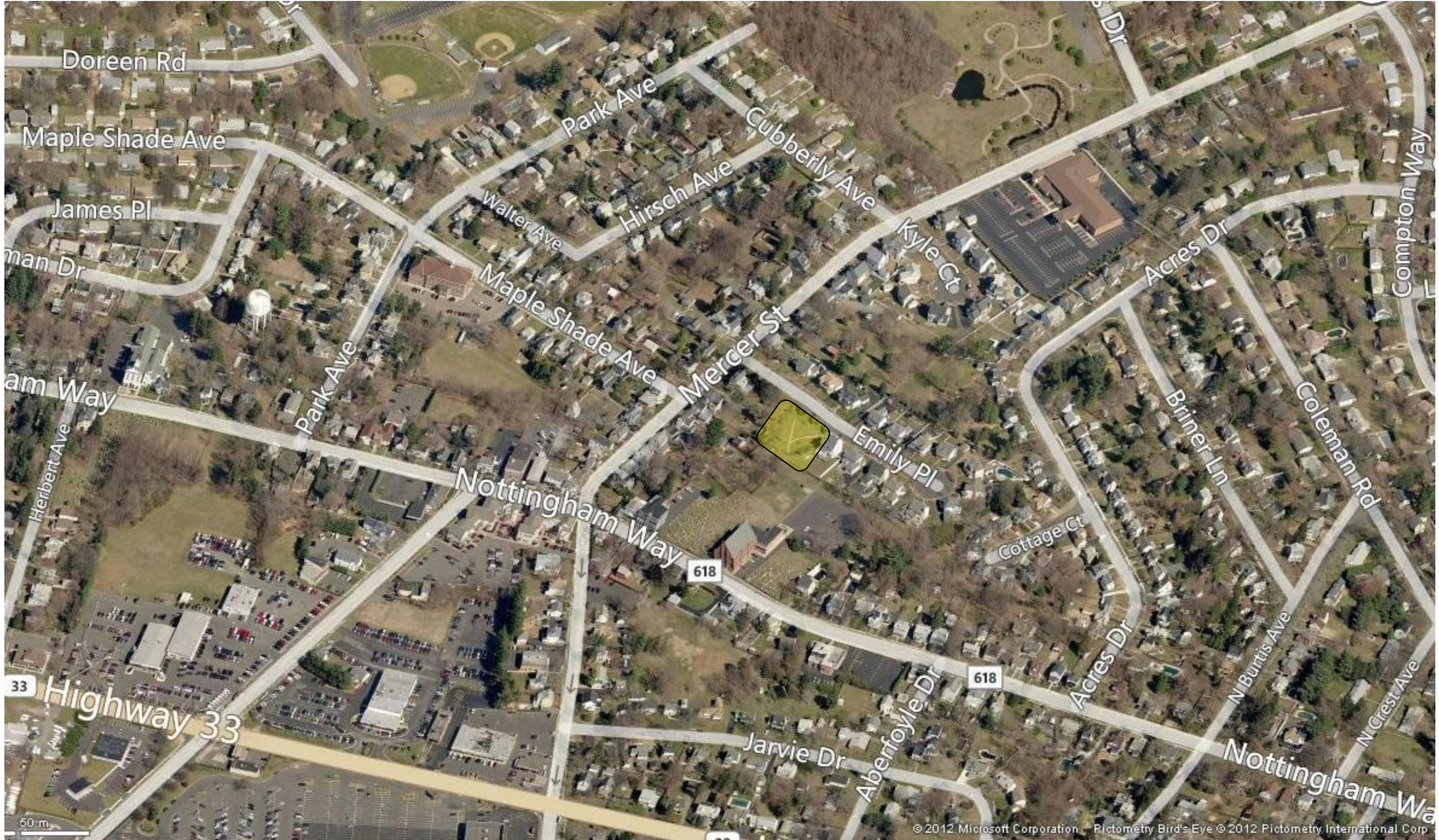
Basin bottom looking southeast

Notes:

- Excess sediment accumulation in inlet, outlet and low flow channel
- Litter and debris accumulation in basin bottom, inlet and outlet

Hamilton Township
Stormwater Basin Assessment
33. Emily Place Residential Basin

Address:
10 Emily Pl
Hamilton Township, NJ 08690



Hamilton Township
Stormwater Basin Assessment
33. Emily Place Residential Basin

Address:
10 Emily Pl
Hamilton Township, NJ 08690



Basin bottom looking southwest



Inlet



Woody vegetation growth around outlet

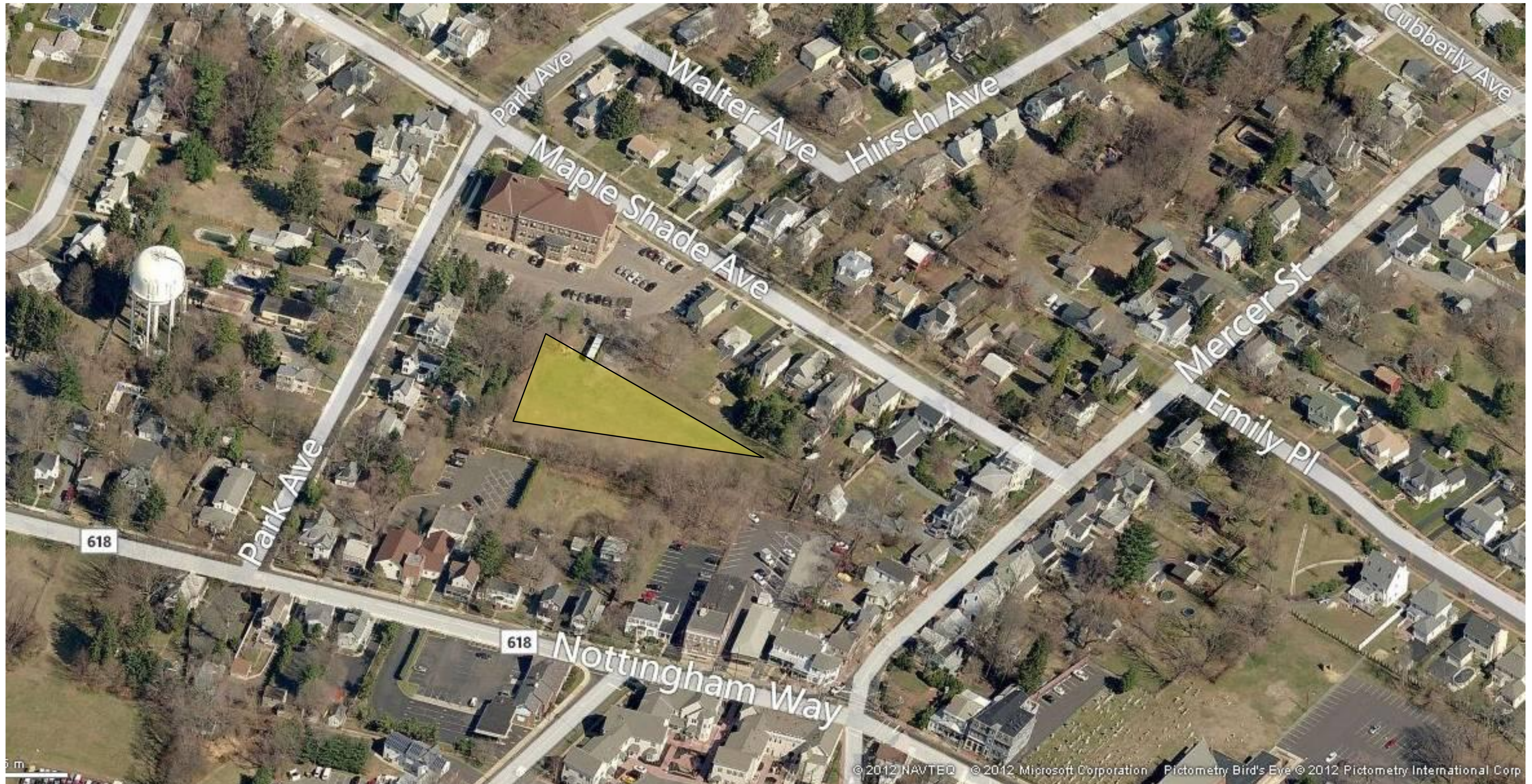
Notes:

- Woody vegetation growth around outlet
- Large outlet diameter, no grates or screens

Hamilton Township
Stormwater Basin Assessment

34. Hamilton Township School District Basin

Address:
90 Park Avenue
Trenton, NJ 08690



Hamilton Township
Stormwater Basin Assessment

34. Hamilton Township School District Basin

Address:
90 Park Avenue
Trenton, NJ 08690



Basin looking west



Outlet structure



Outlet orifice

Notes:

- Erosion in basin bottom
- Functions as a drainage swale for adjacent athletic field

Hamilton Township
Stormwater Basin Assessment
35. Bell Avenue Commercial Basin

Address:
1734 Bell Avenue
Hamilton Township, NJ 08619



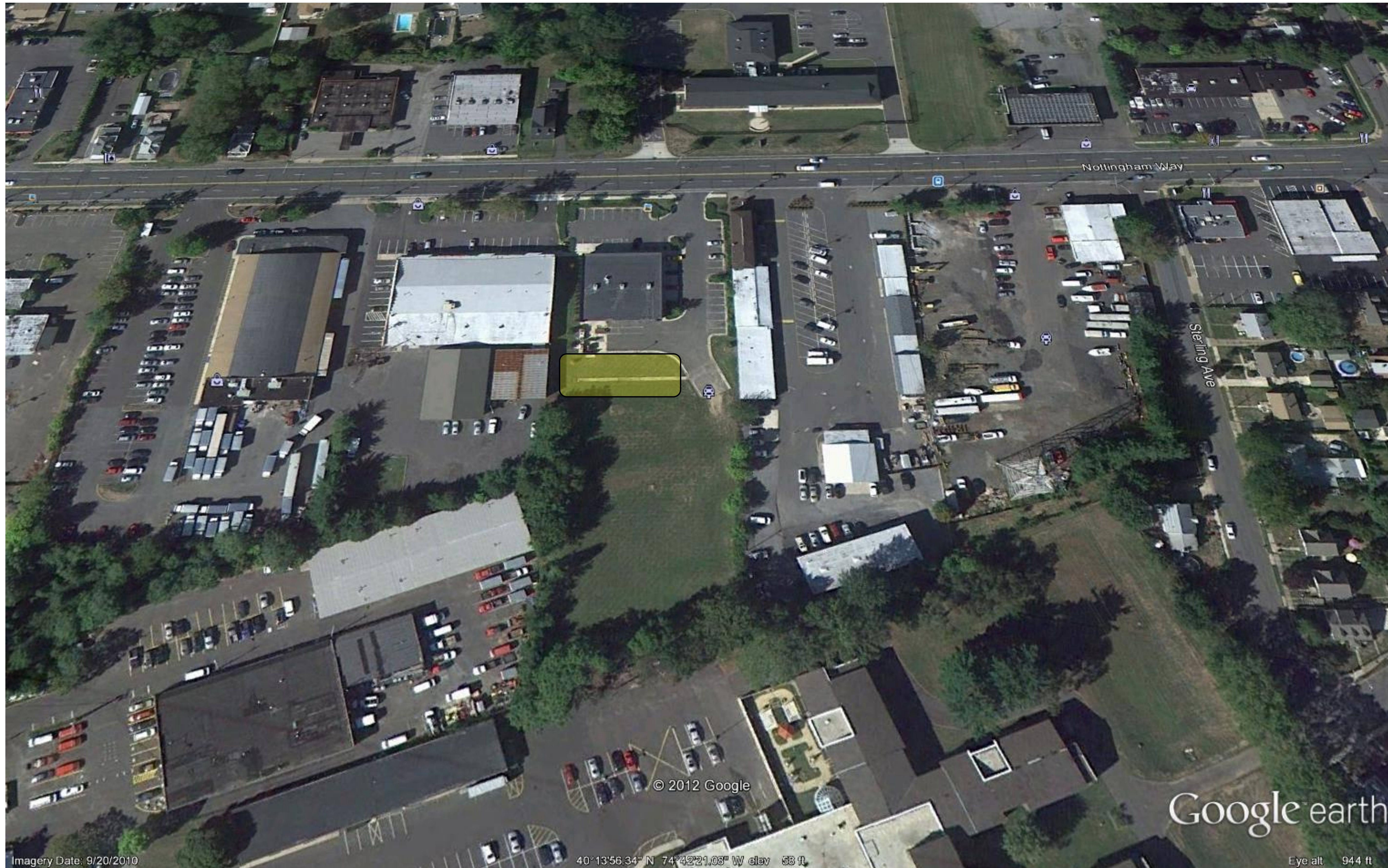
****No Basin Found**



Hamilton Township
Stormwater Basin Assessment

36. Advanced Auto Parts Commercial Basin

Address:
2105 Nottingham Way
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment

36. Advanced Auto Parts Commercial Basin

Address:
2105 Nottingham Way
Hamilton Township, NJ 08619



Curb cut inlet and low flow channel



Outlet

Notes:

- Excess sediment accumulation in outlet
- Some erosion near outlet

Hamilton Township
Stormwater Basin Assessment

37. Hamilton Ave. Residential Basins

Address:
2358 Hamilton Avenue
Hamilton Township, NJ 08619



Hamilton Township Stormwater Basin Assessment

37. County of Mercer: Administration Basins

Address:
2358 Hamilton Avenue
Hamilton Township, NJ 08619



Southern basin



Overgrown outlet structure



Clogged inlet



Northern basin

Notes:

- Debris, sediment and woody vegetation growing in and around inlets
- Excessive woody vegetation growth around outlet structure

Hamilton Township
Stormwater Basin Assessment
38. US Army Reserve Basin

Address:
2150 Nottingham Way
Trenton, NJ 08619



****Did not assess due to limited accessibility**

Hamilton Township
Stormwater Basin Assessment
39. George Dick Field Basin

Address:
112 Armour Avenue,
Hamilton Township NJ 08619



Hamilton Township
Stormwater Basin Assessment
39. George Dick Field Basin

Address:
112 Armour Avenue,
Hamilton Township NJ 08619



Inlet with sediment accumulation



Basin bottom with erosion

Notes:

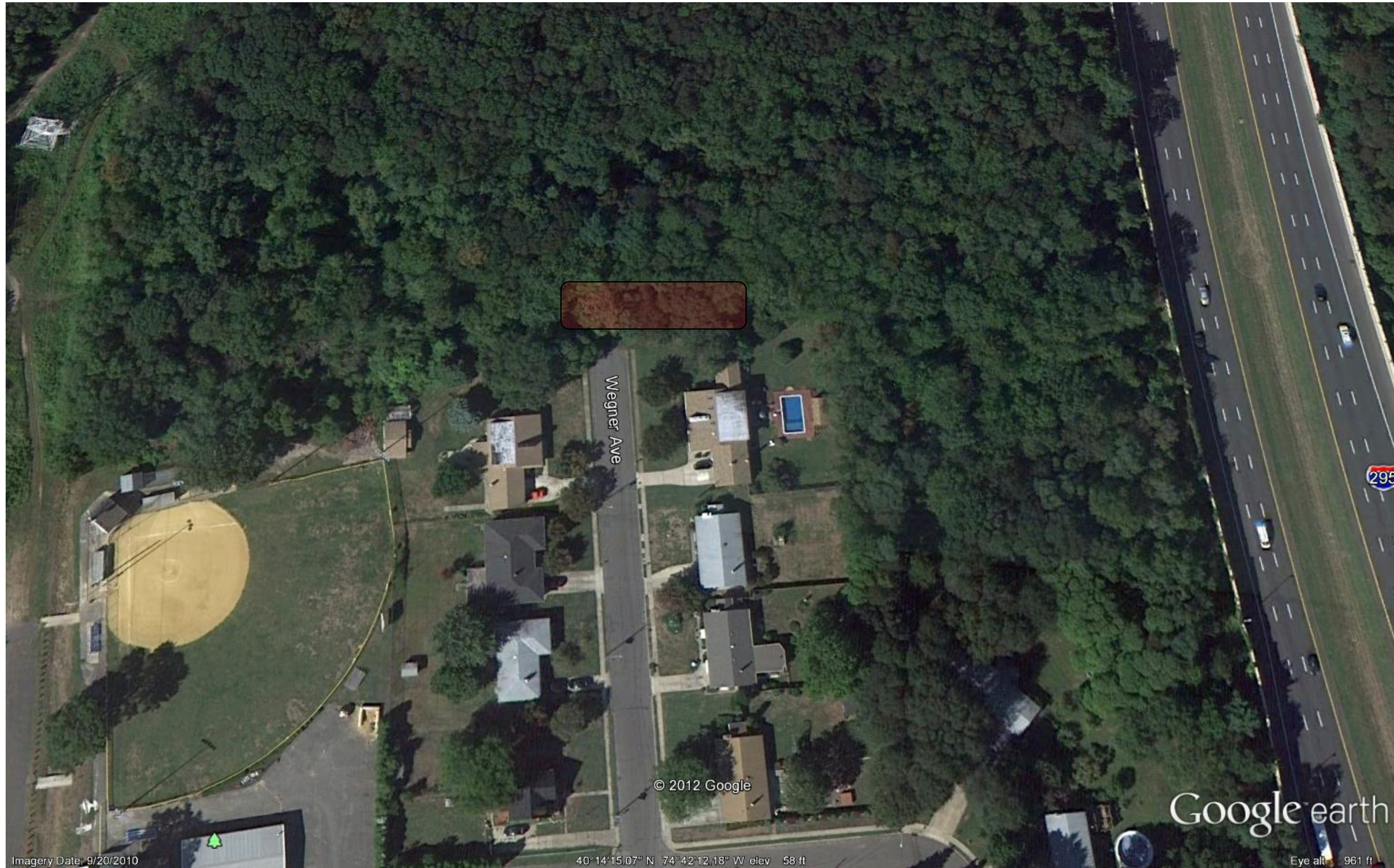
- Excess sediment accumulation in inlet
- Exposed soil and erosion in basin bottom
- Discharges directly to Miry Run

Hamilton Township
Stormwater Basin Assessment
40. Wegner Ave. Potential Basin

Address:
442 Wegner Avenue
Hamilton Township, NJ 08619



****No Basin Found**



Hamilton Township
Stormwater Basin Assessment
41-44. Basins along I-295

Address:
Nottingham Way & I-295
Hamilton Township, NJ 08619



****Did not assess due to limited accessibility**

Hamilton Township
Stormwater Basin Assessment

45. Along I-295 Southeast side at Hamilton Ave

Address:
Nottingham Way & I-295
Hamilton Township, NJ 08619

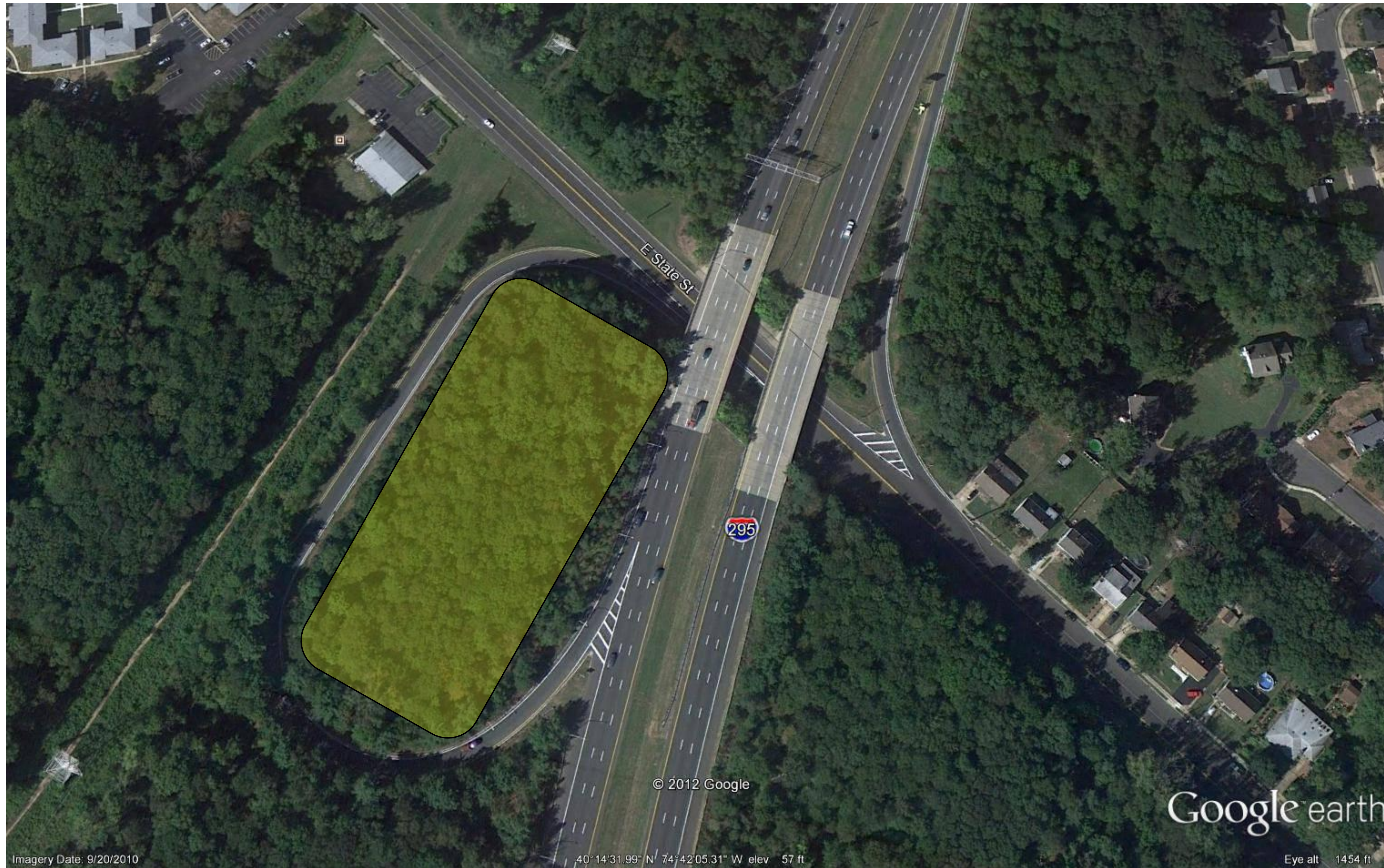


****Did not assess due to limited accessibility**

Hamilton Township
Stormwater Basin Assessment

46. E State St. Southwest side of I-295

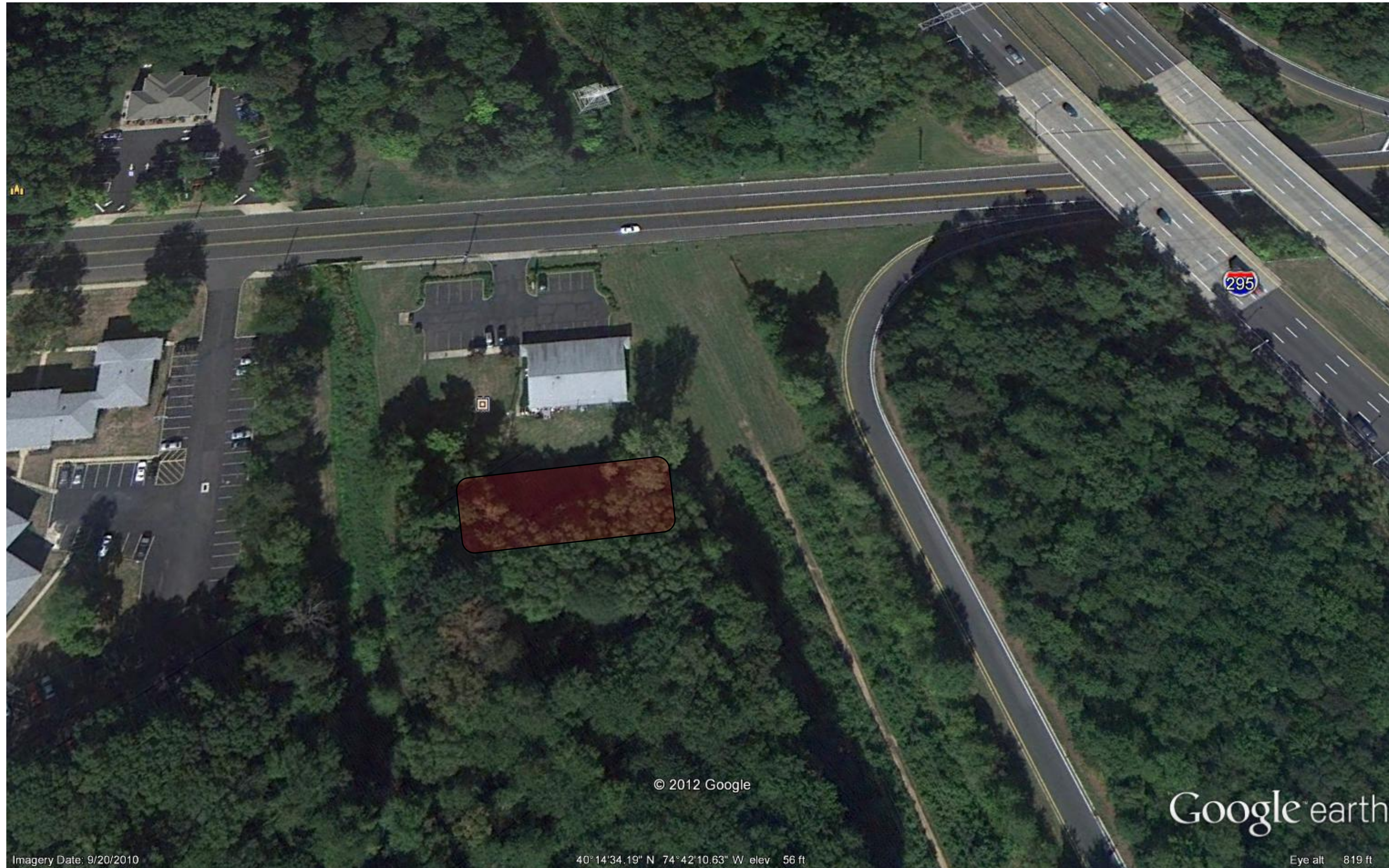
Address:
E State St. & I-295
Hamilton Township, NJ 08619



**Did not assess due to limited accessibility

Hamilton Township
Stormwater Basin Assessment
47. Mario's Pizza Commercial Basin

Address:
3291 E State St. Ext
Hamilton Township, NJ 08619

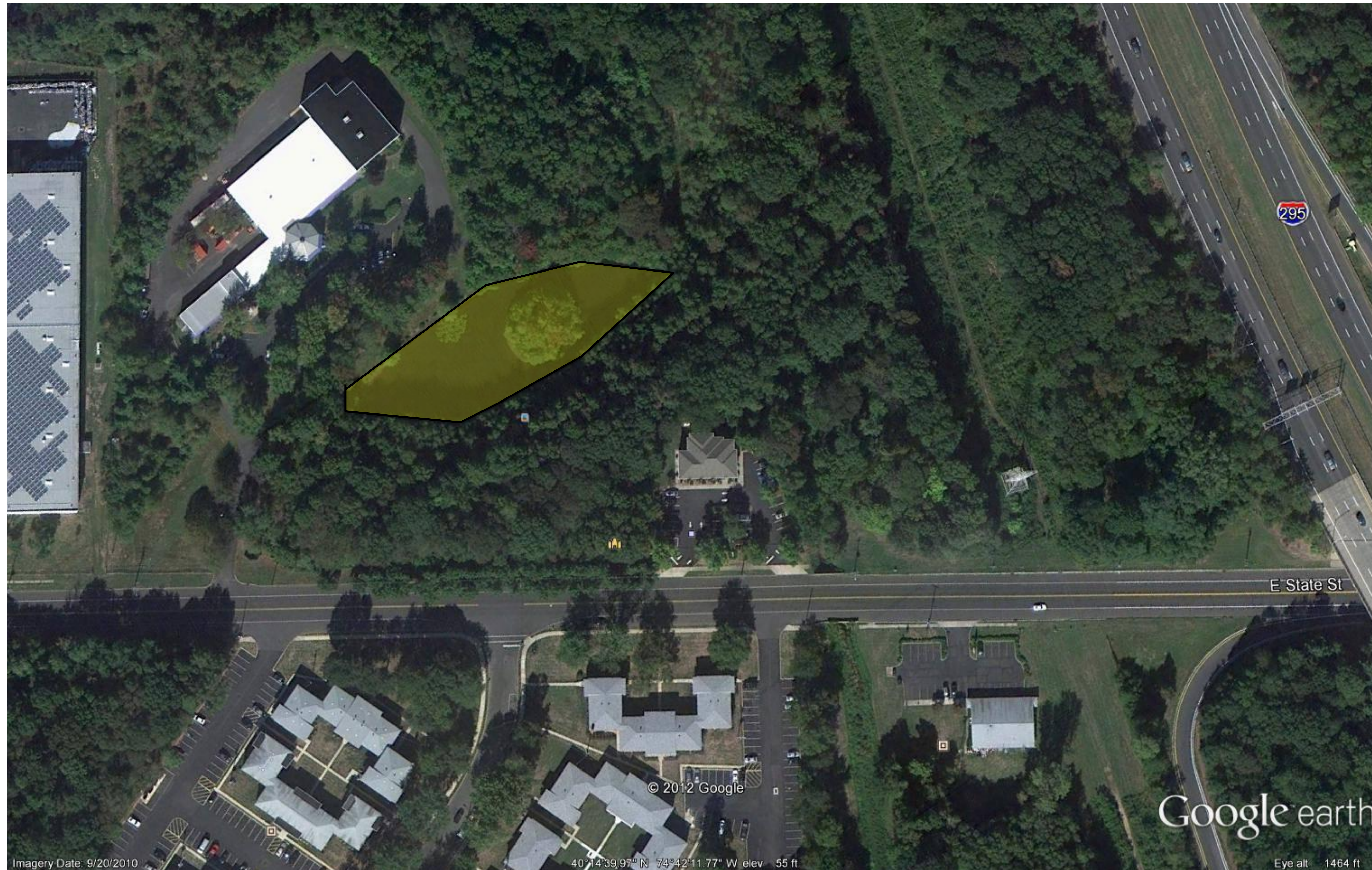


****No Basin Found**

Hamilton Township
Stormwater Basin Assessment

48. 3164-3238 E State St. Commercial Wet Pond

Address:
3164-3238 E State St.
Hamilton Township, NJ 08619



**Did not assess due to limited accessibility

Hamilton Township
Stormwater Basin Assessment
49. 3295 E State St. Roadside Basin

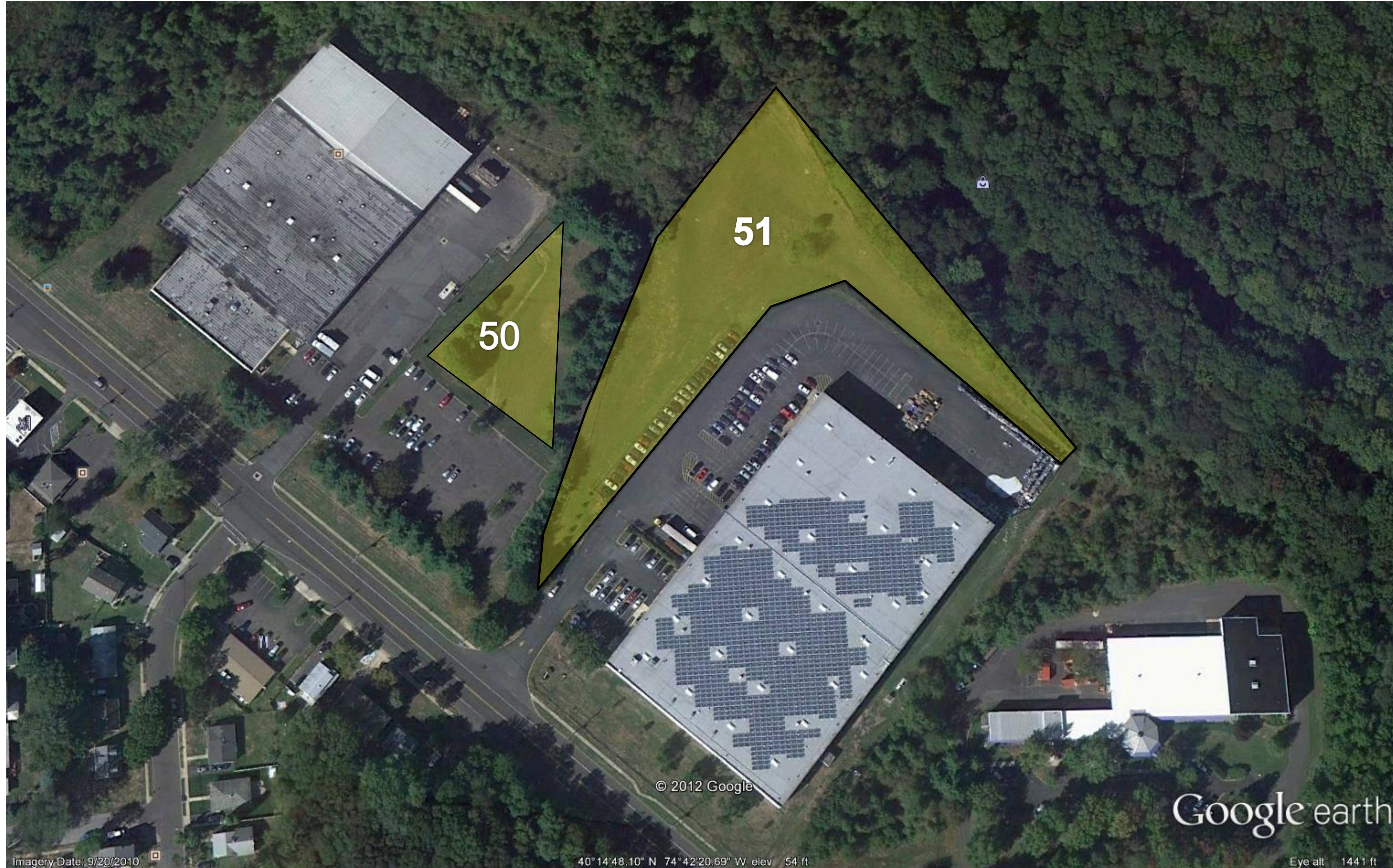
Address:
3295 E State St.
Hamilton Township, NJ 08619



**Did not assess due to limited accessibility

Hamilton Township
Stormwater Basin Assessment
50 & 51. Merlin Industries Basins

Address:
3048 E State St.
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
50. Merlin Industries Basins

Address:
3048 E State St.
Hamilton Township, NJ 08619



Inlet, low flow channel filled with sediment



Clogged inlet



Woody vegetation around outlet

Notes:

- Excess sediment accumulation in low flow channel, inlets and outlet
- Woody vegetation growth around outlet structure

Hamilton Township
Stormwater Basin Assessment
51. Merlin Industries Basins

Address:
3048 E State St.
Hamilton Township, NJ 08619



Outlet structure



Eastern section of basin bottom

Notes:

- Woody vegetation growth around inlet
- Limited accessibility

Hamilton Township
Stormwater Basin Assessment

52. Sloan Ave. Commercial Wet Pond

Address:
861 Sloan Avenue
Trenton NJ, 08619



Hamilton Township
Stormwater Basin Assessment
52. Sloan Ave. Commercial Wet Pond

Address:
861 Sloan Avenue
Trenton NJ, 08619



Inlet channel



Collection for rooftop runoff



Entire pond looking west

Notes:

- Inlets have signs of breakage
- Woody vegetation growth around inlets and outlets
- Serves as fire pond for facility, Miry Run flows into basin, basin overflows to Miry Run

Hamilton Township
Stormwater Basin Assessment
53. Custom Millwork Division Basin

Address:
2670 E State St. Ext
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
53. Custom Millwork Detention Basin

Address:
2670 E State St. Ext
Hamilton Township, NJ 08619



Inlet



Outlet trash rack clogged with grass clippings



Ponding in front of curb cut

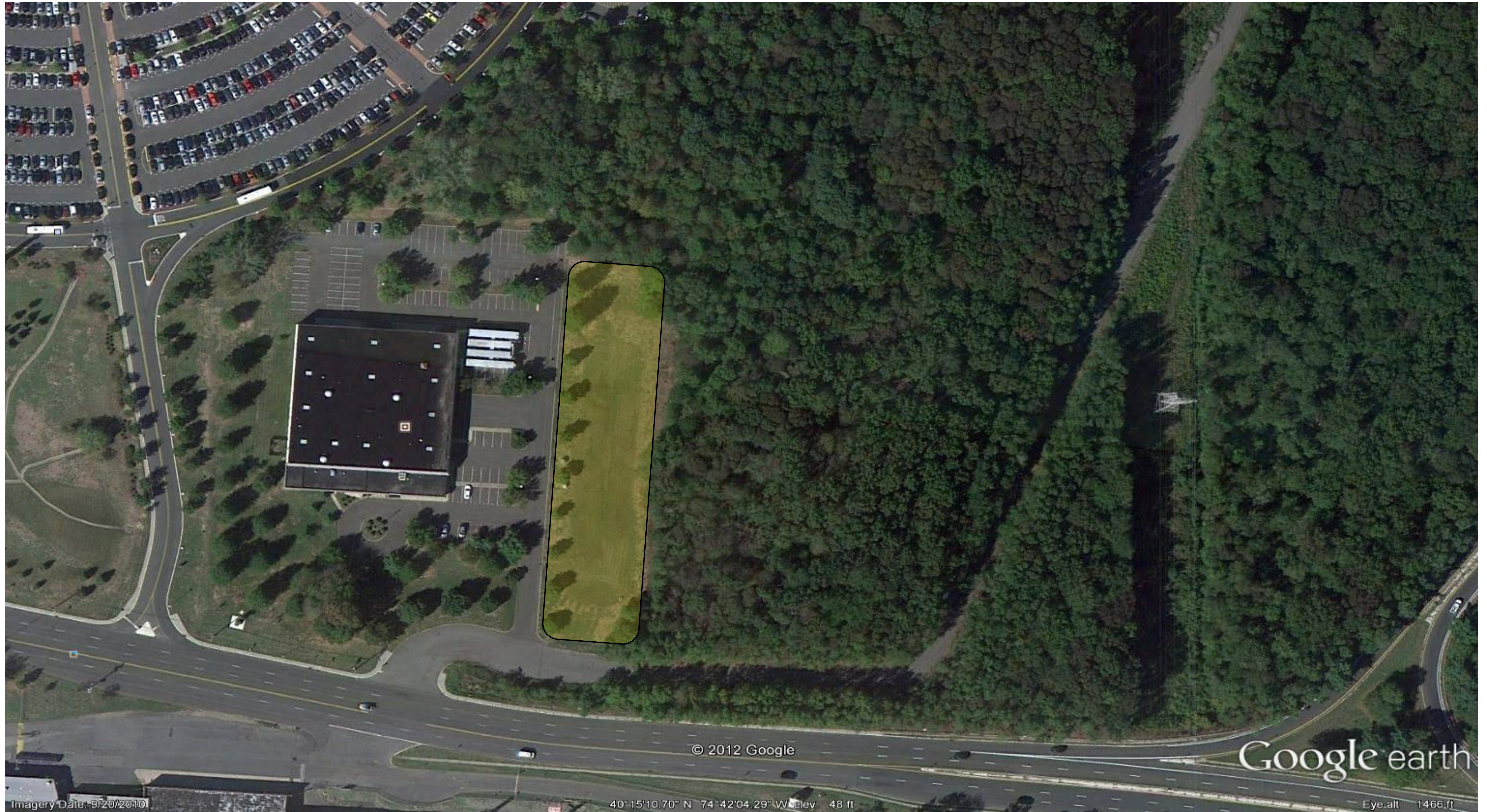
Notes:

- Ponding in parking lot in front of curb cut due to sediment accumulation
- Sediment and grass clippings accumulating in trash rack at outlet structure

Hamilton Township
Stormwater Basin Assessment

54. Sloan Ave Empty Lot Commercial Basin

Address:
700 Sloan Ave
Hamilton Township, NJ 08619



Hamilton Township Stormwater Basin Assessment

54. Sloan Ave Empty Lot Commercial Basin

Address:
700 Sloan Ave
Hamilton Township, NJ 08619



Outlet structure



Inlet – curb cut



Clogged curb cut, ponding



Basin bottom looking north

Notes:

- Inlets have signs of breakage, signs of erosion and debris/sediment accumulation blocking the flow of water
- Standing water in basin

Hamilton Township
Stormwater Basin Assessment
55. American Metro Blvd Basin

Address:
Basin Rd and American Metro Blvd
Hamilton Township, NJ 08619



Imagery Date: 9/20/2010

40°15'35.63" N 74°42'23.10" W elev 45 ft

Eye alt 1116 ft

Hamilton Township
Stormwater Basin Assessment
55. American Metro Blvd Basin

Address:
Basin Rd and American Metro Blvd
Hamilton Township, NJ 08619



Basin bottom looking southwest



Inlet



Outlet structure missing grate



Clogged outlet orifice

Notes:

- Inlets and outlet have excess sediment accumulation obstructing flow
- Standing water in low flow channel and basin bottom
- Outlet has structural damage and missing grate

Hamilton Township
Stormwater Basin Assessment
56. Colton Ct Residential Basin

Address:
Colton Court
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
56. Colton Ct Residential Basin

Address:
Colton Court
Hamilton Township, NJ 08619



Inlet



Basin bottom looking southwest



Clogged trash rack at outlet

Notes:

- Standing water in low flow channel
- Outlet has structural damage and trash rack is clogged with sediment/debris

Hamilton Township
Stormwater Basin Assessment
57 & 58. Electronics Dr Commercial Basins

Address:
Electronics Drive
Hamilton Township, NJ 08619



****Did not assess due to limited accessibility**

Hamilton Township
Stormwater Basin Assessment
59. Uno Grill Commercial Basin

Address:
147 Sloan Ave.
Hamilton Township, NJ 08619



Imagery Date: 9/20/2010

© 2012 Google

40°14'59.14" N 74°41'22.43" W elev 59 ft

Google earth

Eye alt 877 ft

Hamilton Township
Stormwater Basin Assessment
59. Uno Grill Commercial Basin

Address:
147 Sloan Ave.
Hamilton Township, NJ 08619



Entire basin looking north

Notes:

- Sediment accumulation in basin bottom
- Excess algae growth

Hamilton Township
Stormwater Basin Assessment
60. RWJ Health Ctr. Commercial Basin

Address:
3100 Quakerbridge Rd.
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
60. RWJ Health Ctr. Commercial Basin

Address:
3100 Quakerbridge Rd.
Hamilton Township, NJ 08619



Basin bottom looking north



Outlet grate

Notes:

- Limited accessibility
- Trash accumulation in basin bottom
- Appears to have naturalized and functions as a wetland

Hamilton Township
Stormwater Basin Assessment

61. FedEx World Center Commercial Basin

Address:
21 Thomas J Rhodes Industrial Drive
Hamilton Township, NJ 08619



Hamilton Township Stormwater Basin Assessment

61. FedEx World Center Commercial Basin

Address:
21 Thomas J Rhodes Industrial Drive
Hamilton Township, NJ 08619



Inlet and rip rap protection



Clogged outlet structure



Inlet



Ponding in front of outlet

Notes:

- Outlet has structural damage, significant debris/sediment accumulation obstructing flow
- Woody vegetation growth in and around basin
- Excessive ponding in front of outlet in entire south end of basin
- Significant mosquito population

Hamilton Township
Stormwater Basin Assessment

62. New Penn Motor Express Commercial Basin

Address:
15 Thomas J Rhodes Industrial Drive
Hamilton Township, NJ 08619



Hamilton Township Stormwater Basin Assessment

62. *New Penn Motor Express Commercial Basin*

Address:
15 Thomas J Rhodes Industrial Drive
Hamilton Township, NJ 08619



Basin bottom looking southwest



Outlet structure



Inlet and rip rap protection

Notes:

- Outlet grate cover missing
- Debris/sediment accumulation in and around outlet structure

Hamilton Township
Stormwater Basin Assessment

63. Mercer Co. Children's Med Basin

Address:
100 Youngs Road
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
63. Mercer Co. Children's Med Basin

Address:
100 Youngs Road
Hamilton Township, NJ 08619



Curb cut with PVC pipe



Basin bottom looking northwest



Basin bottom looking north



Curb cut with erosion

Notes:

- Excess sediment accumulation in curb cut inlets
- Basin has sediment and litter accumulation
- Erosion in and around curb cut inlets

Hamilton Township
Stormwater Basin Assessment
64. Tennis Ct Commercial Basin

Address:
Tennis Court
Hamilton Township, NJ 08619



**Did not assess due to limited accessibility

Hamilton Township
Stormwater Basin Assessment

65. Sleep and Wellness Medical Basin

Address:
3836 Quakerbridge Road #206
Hamilton Township, NJ 08619



**Did not assess due to limited accessibility

Hamilton Township
Stormwater Basin Assessment

66. Sleep and Wellness Medical Basin (#2)

Address:
3836 Quakerbridge Road #206
Hamilton Township, NJ 08619



**Did not assess due to limited accessibility

Hamilton Township
Stormwater Basin Assessment

67. Future Stars Gymnastics Academy Basin

Address:
4 Tennis Court
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
67. Future Stars Gymnastics Academy Basin

Address:
4 Tennis Court
Hamilton Township, NJ 08619



Inlet with sediment accumulation



Outlet structure



Basin bottom looking northeast

Notes:

- Sediment accumulation in low flow channel, inlets and outlet
- Litter and debris accumulation

Hamilton Township
Stormwater Basin Assessment
68. Clarici Graphics Basin

Address:
88 Youngs Road
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
68. Clarici Graphics Basin

Address:
88 Youngs Road
Hamilton Township, NJ 08619



Curb cut inlet with rip rap protection



Basin bottom looking northwest



Outlet with clogged orifice

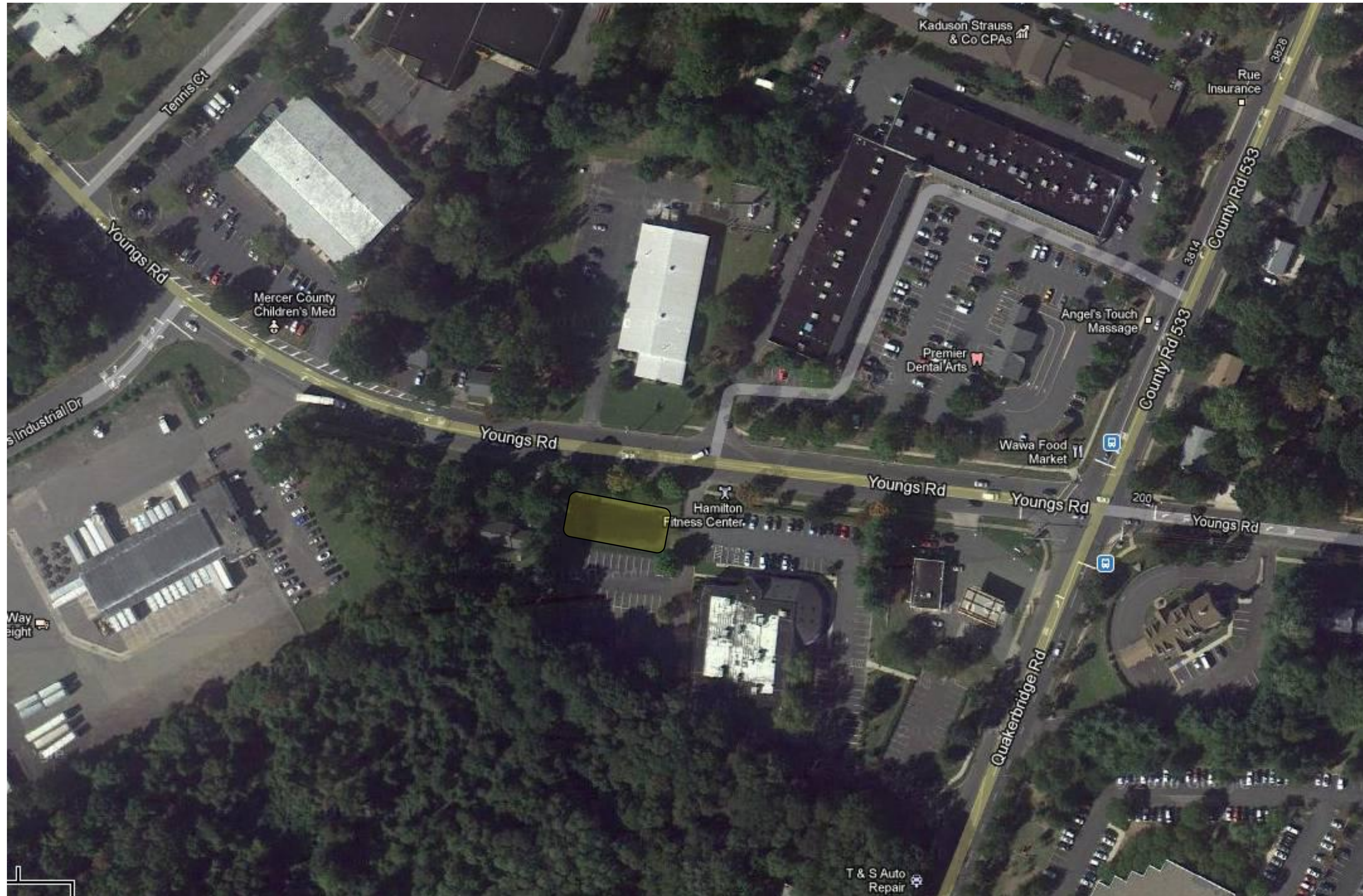
Notes:

- Evidence of erosion near inlet
- Sediment and grass clippings clogging outlet orifice
- Sediment accumulation in low flow channel

Hamilton Township
Stormwater Basin Assessment

69. Hamilton Fitness Center Basin

Address:
133 Youngs Road
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
69. Hamilton Fitness Center Basin

Address:
133 Youngs Road
Hamilton Township, NJ 08619



Inlet with sediment accumulation



Outlet structure



Clogged inlet



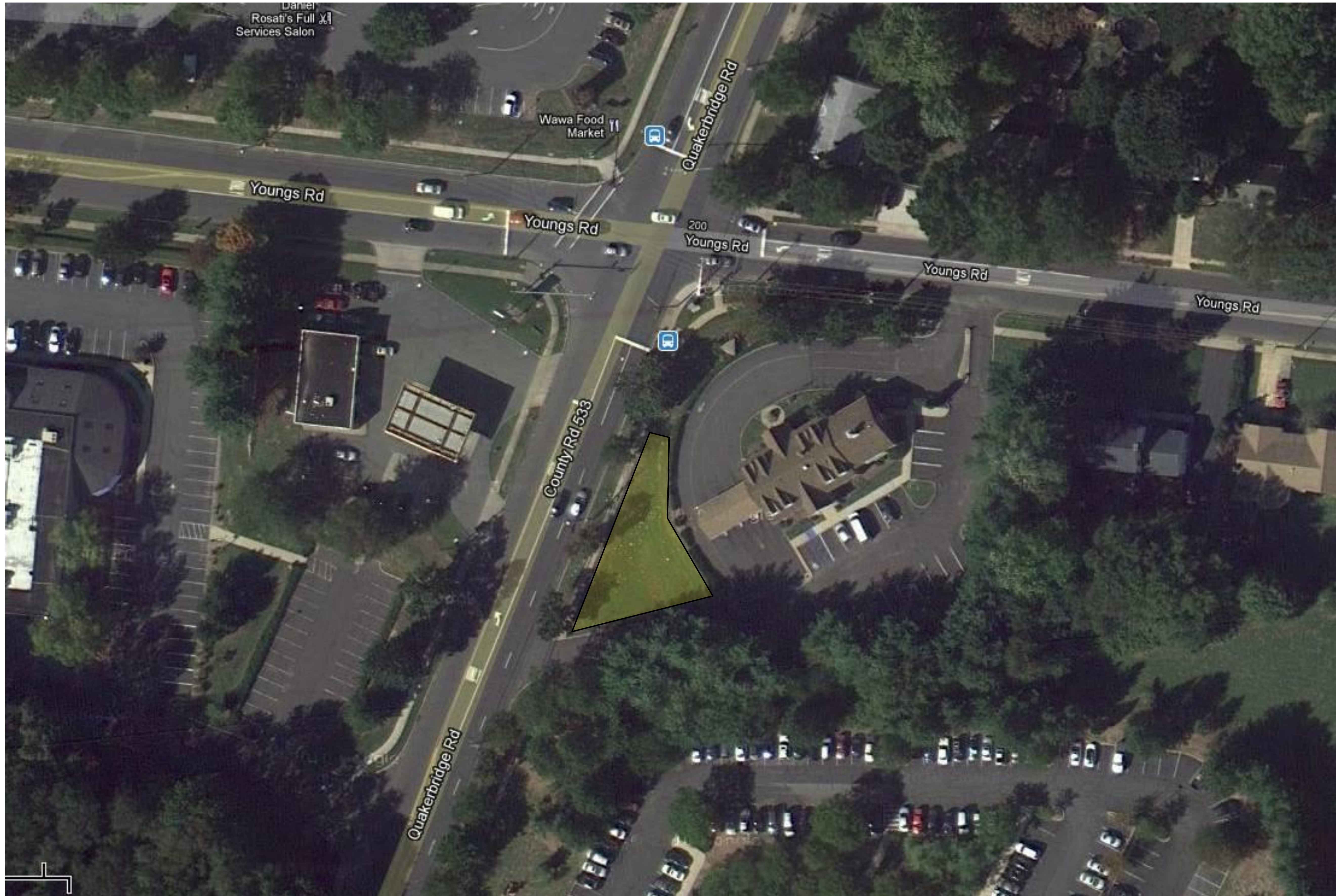
Ponding in basin bottom

Notes:

- Standing water in basin
- Excess sediment accumulation in front of inlets obstructing flow of water
- Debris and pine needles clogging outlet orifice

Hamilton Township
Stormwater Basin Assessment
70. Bank of America Basin

Address:
3745 Quakerbridge Rd
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
70. Bank of America Basin

Address:
3745 Quakerbridge Rd
Hamilton Township, NJ 08619



Curb cut inlet with rip rap protection



Outlet grate



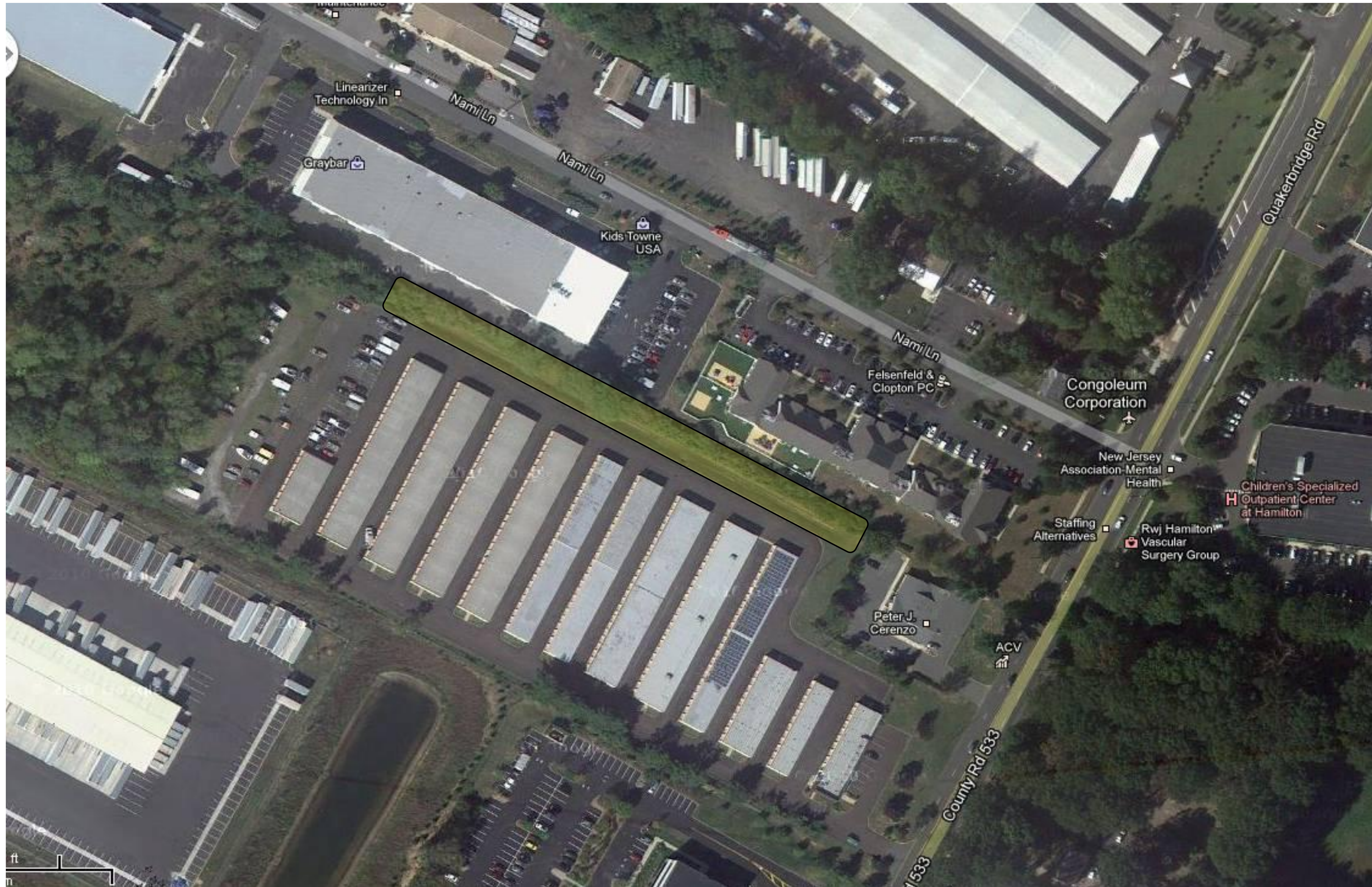
Basin bottom looking south

Notes:

- Sediment accumulation in and around inlets
- Debris and litter accumulation at outlet grate

Hamilton Township
Stormwater Basin Assessment
71. Public Storage Basin

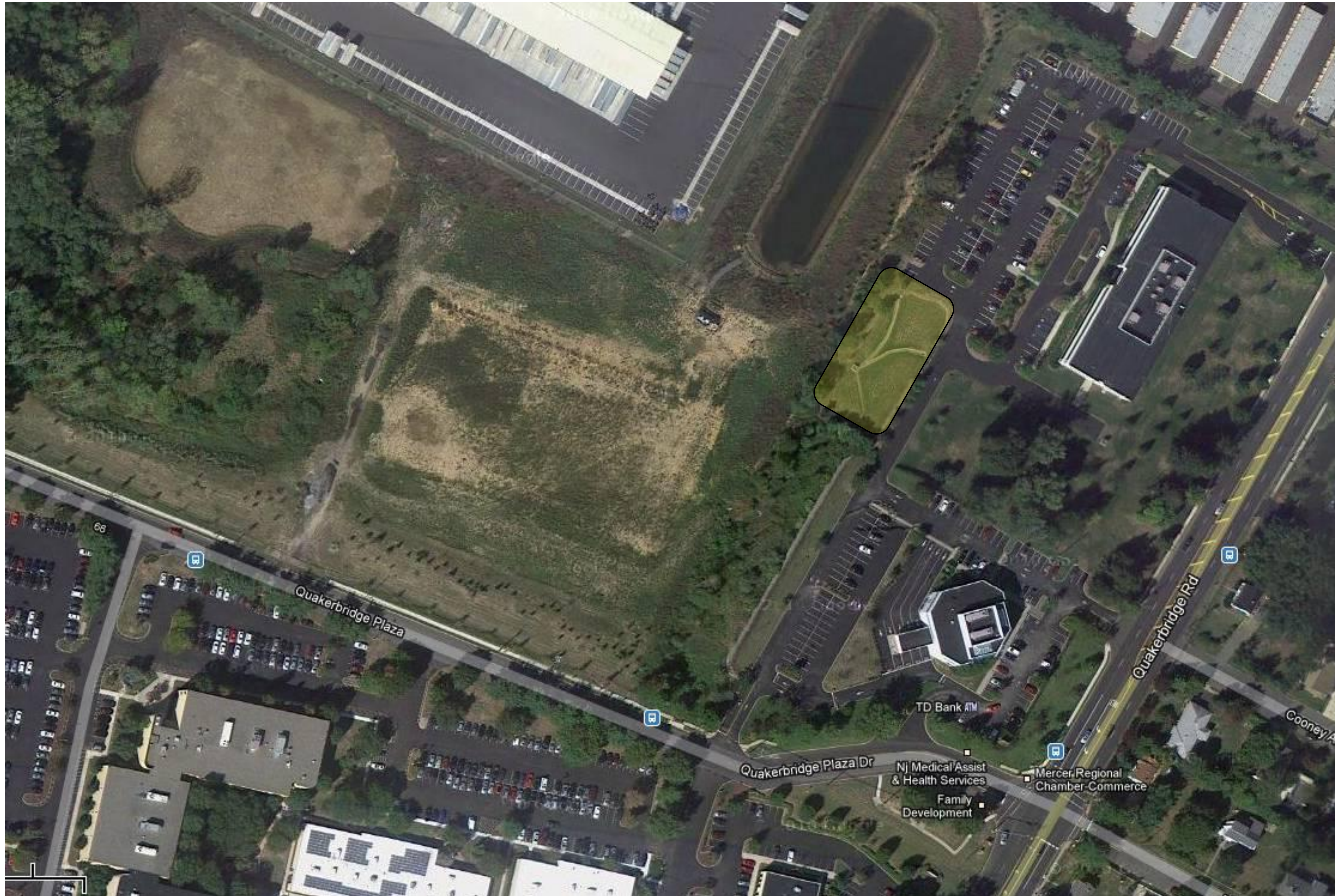
Address:
3560 Quakerbridge Road
Hamilton Township, NJ 08619



**Did not assess due to limited accessibility

Hamilton Township
Stormwater Basin Assessment
72. Congoleum Basin

Address:
3470 Quakerbridge Road
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
72. Congoleum Basin

Address:
3470 Quakerbridge Road
Hamilton Township, NJ 08619



Outlet structure



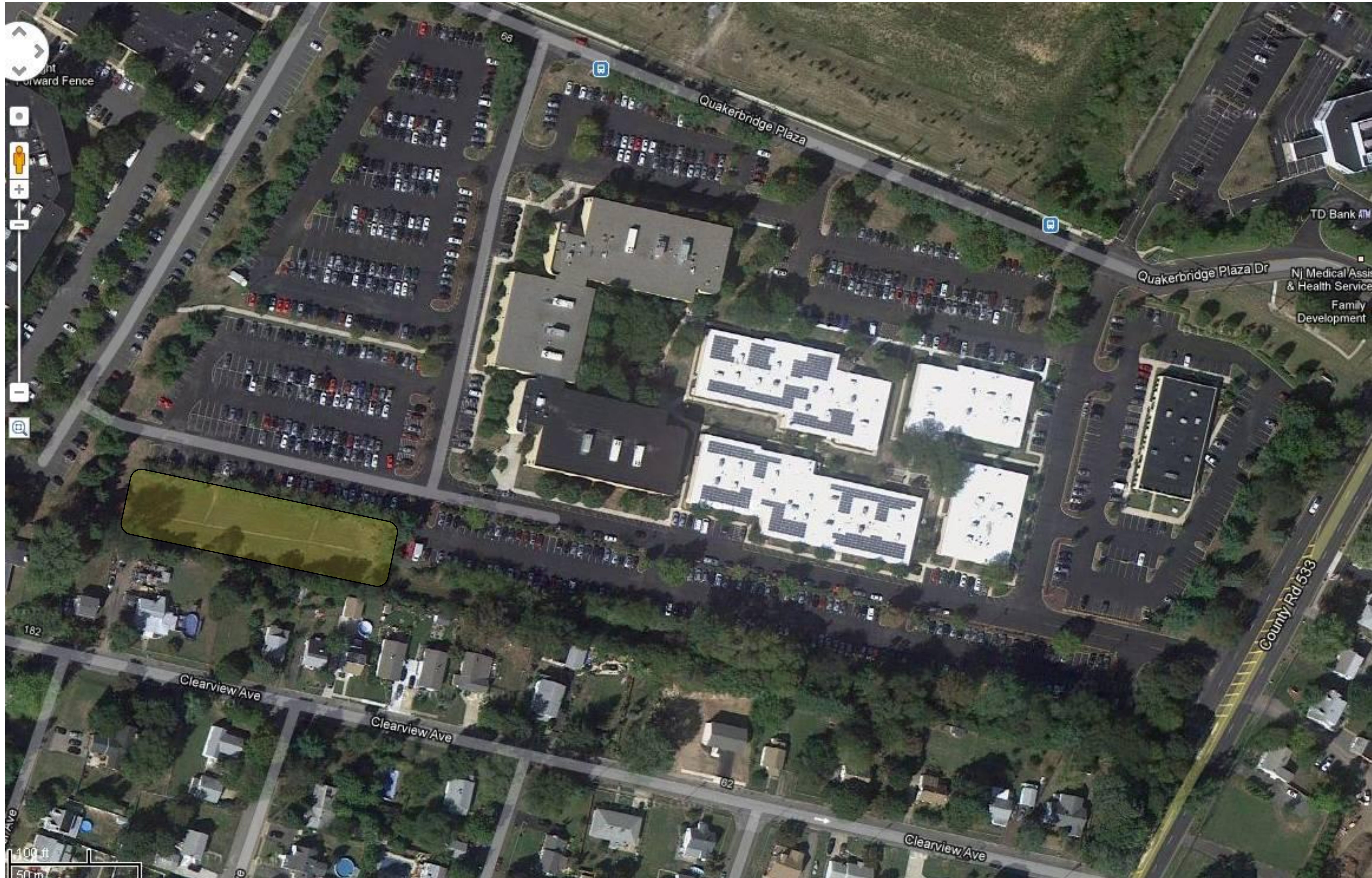
Inlet and low flow channel

Notes:

- Basin currently well maintained

Hamilton Township
Stormwater Basin Assessment
73. Quaker Bridge Plaza Basin

Address:
Quakerbridge Plaza Drive
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
73. Quaker Bridge Plaza Basin

Address:
Quakerbridge Plaza Drive
Hamilton Township, NJ 08619



Excess sediment accumulation at inlet



Standing water in low flow channel



Basin bottom looking west



Outlet structure

Notes:

- Excess sediment/grass clippings accumulating in low flow channel, inlets and outlet structure
- Visible damage at 20" diameter inlet
- Standing water remaining in low flow channel

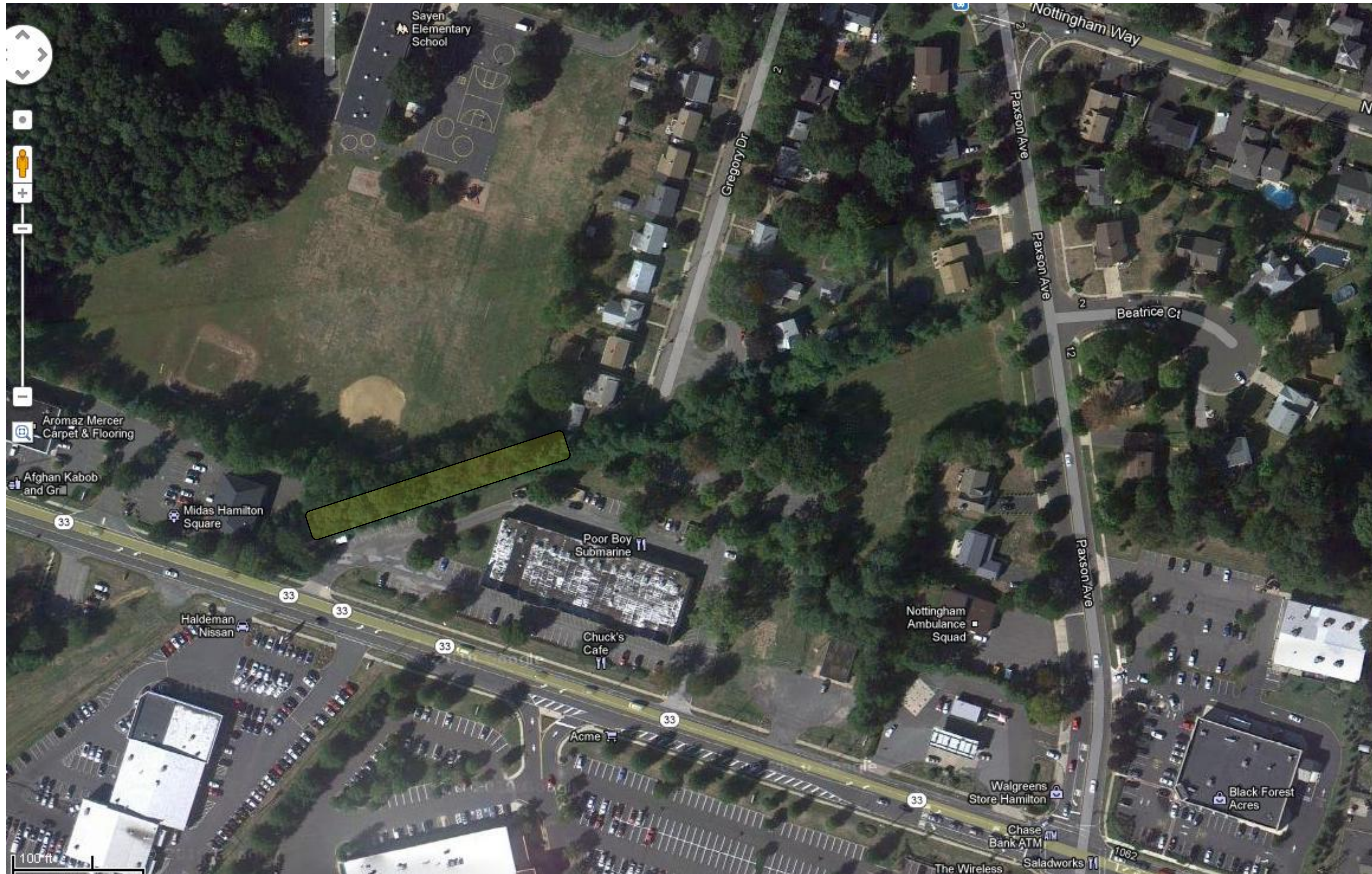
Hamilton Township
Stormwater Basin Assessment
74 . Paxson Ave Residential Basin

Address:
Beatrice Ct and Paxson Ave
Hamilton Township, NJ 08690



Hamilton Township
Stormwater Basin Assessment
75. Poor Boy Submarine Basin

Address:
950 New Jersey 33
Hamilton Township, NJ 08690



Hamilton Township
Stormwater Basin Assessment
75. Poor Boy Submarine Basin

Address:
950 New Jersey 33
Hamilton Township, NJ 08690



Outlet structure



Pine needles in low flow channel



Basin bottom looking southwest



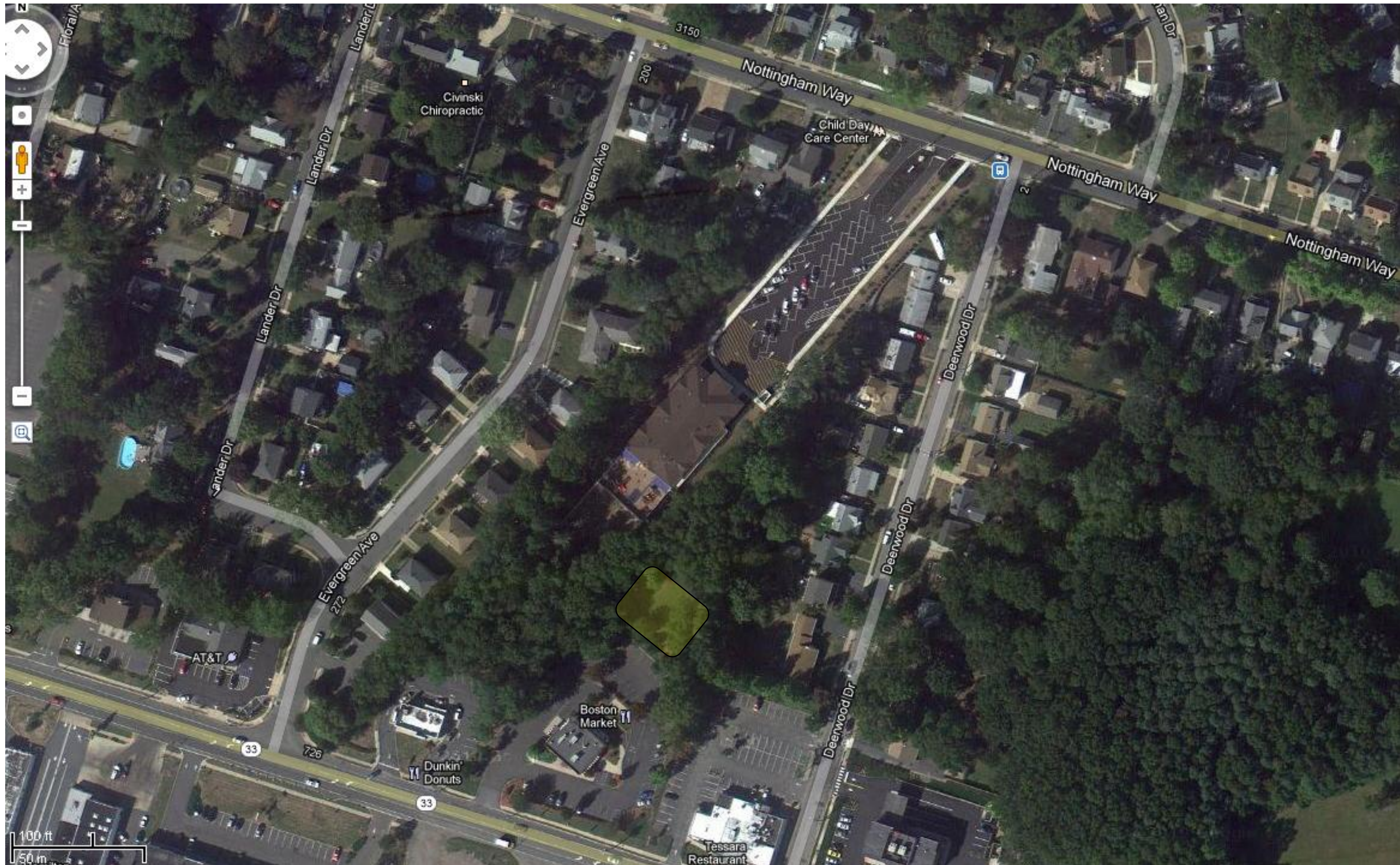
Curb cut inlet and swale

Notes:

- Unauthorized structures in basin (Volleyball posts)
- Excess sediment and pine needles in low flow channel, outlet and inlet
- Evidence of erosion at inlet

Hamilton Township
Stormwater Basin Assessment
76. Boston Market Basin

Address:
770 New Jersey 33
Hamilton Township, NJ 08690



Hamilton Township
Stormwater Basin Assessment
76. Boston Market Basin

Address:
770 New Jersey 33
Hamilton Township, NJ 08690



Basin bottom looking southwest



Low flow channel



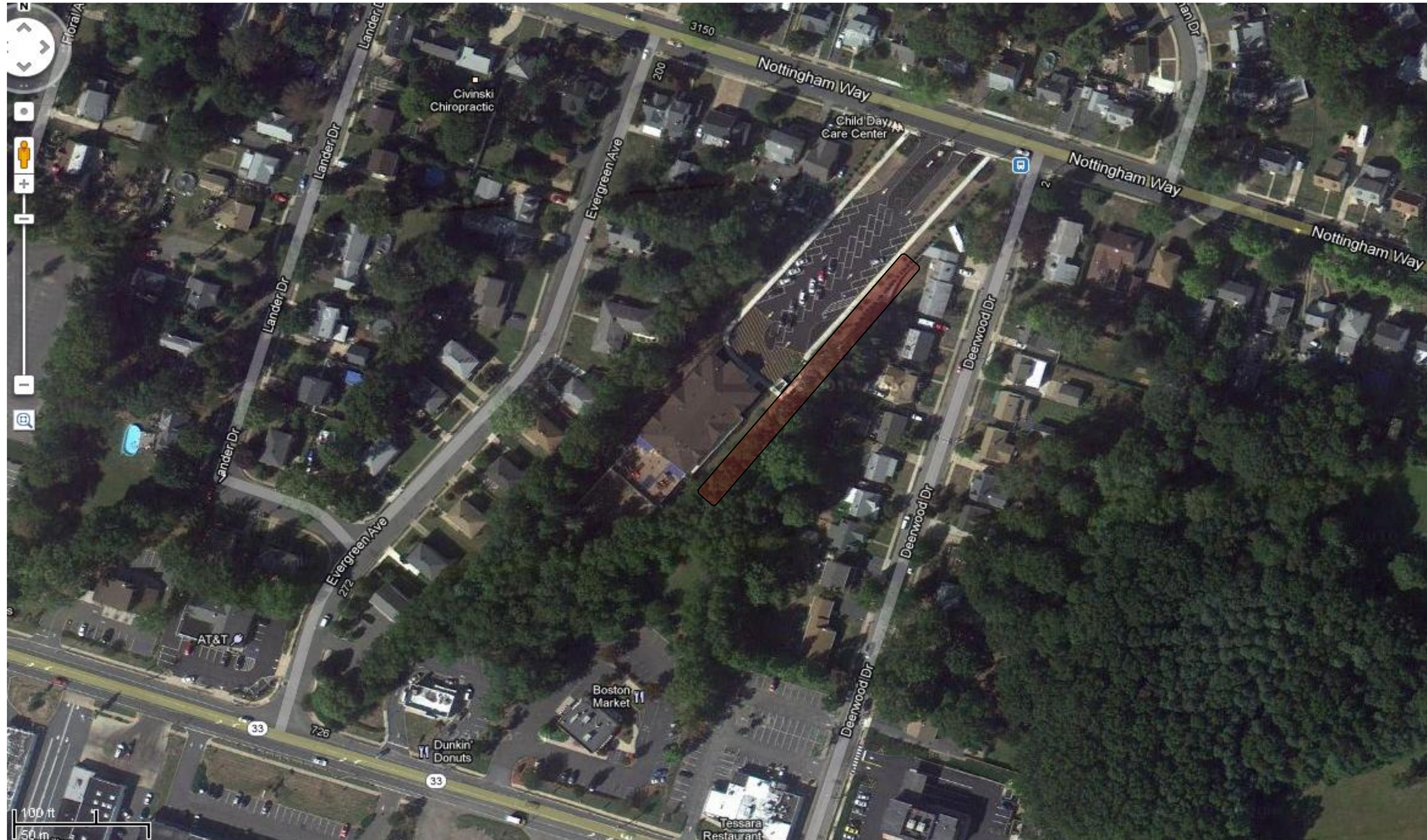
Outlet structure

Notes:

- Excess sediment accumulation in low flow channel
- Outlet orifice clogged with sediment

Hamilton Township
Stormwater Basin Assessment
77. Child Day Care Center Basin

Address:
3225 Nottingham Way
Hamilton Township, NJ 08619



**** No Basin Found**

Hamilton Township
Stormwater Basin Assessment
78. AT&T Basin

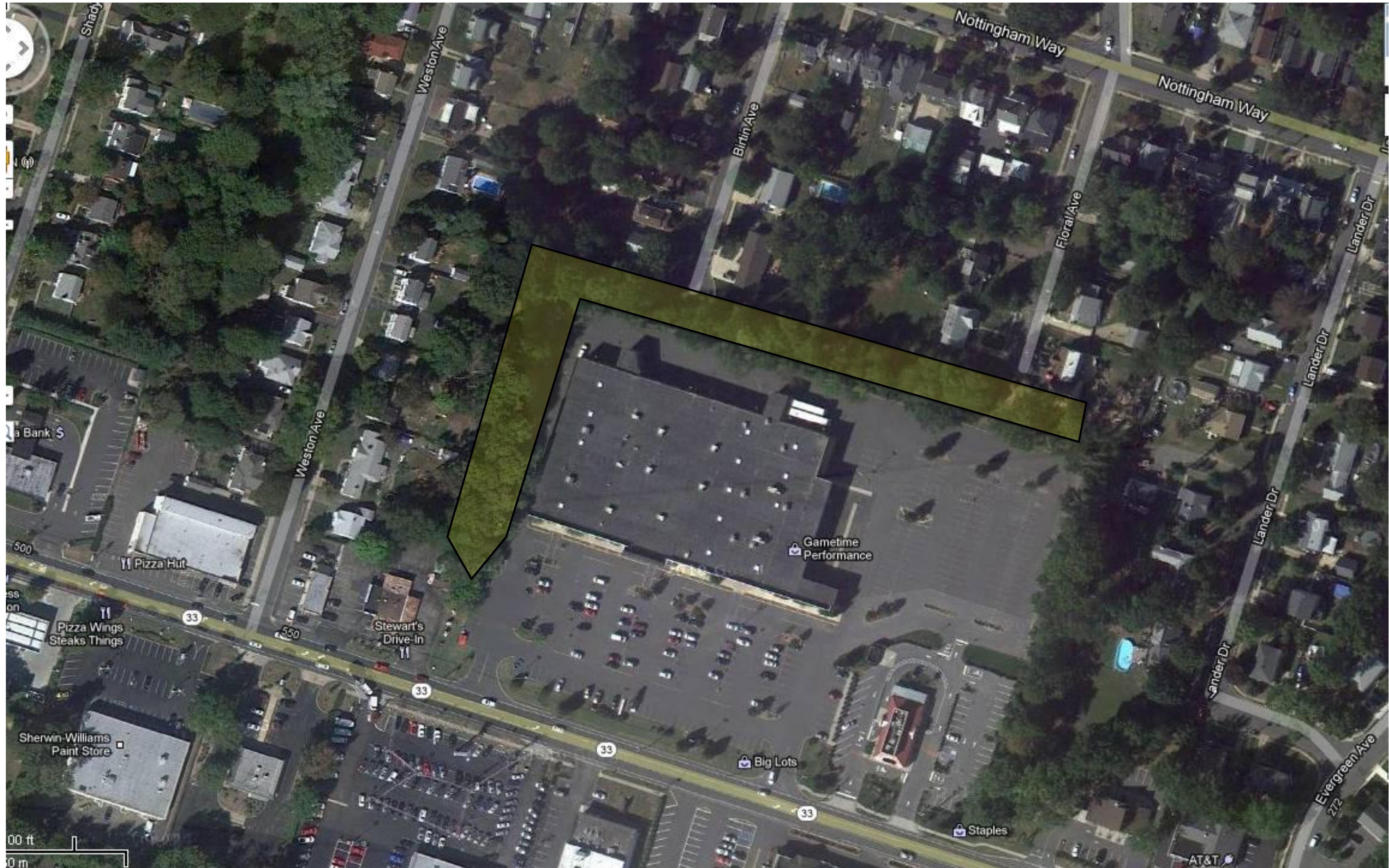
Address:
724 New Jersey 33
Hamilton Township, NJ 08619



** No Basin Found

Hamilton Township
Stormwater Basin Assessment
79. Big Lots Basin

Address:
630 New Jersey 33
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
79. Big Lots Basin

Address:
630 New Jersey 33
Hamilton Township, NJ 08619



Rip rap and trash at dead end leading to basin



Litter and debris accumulation



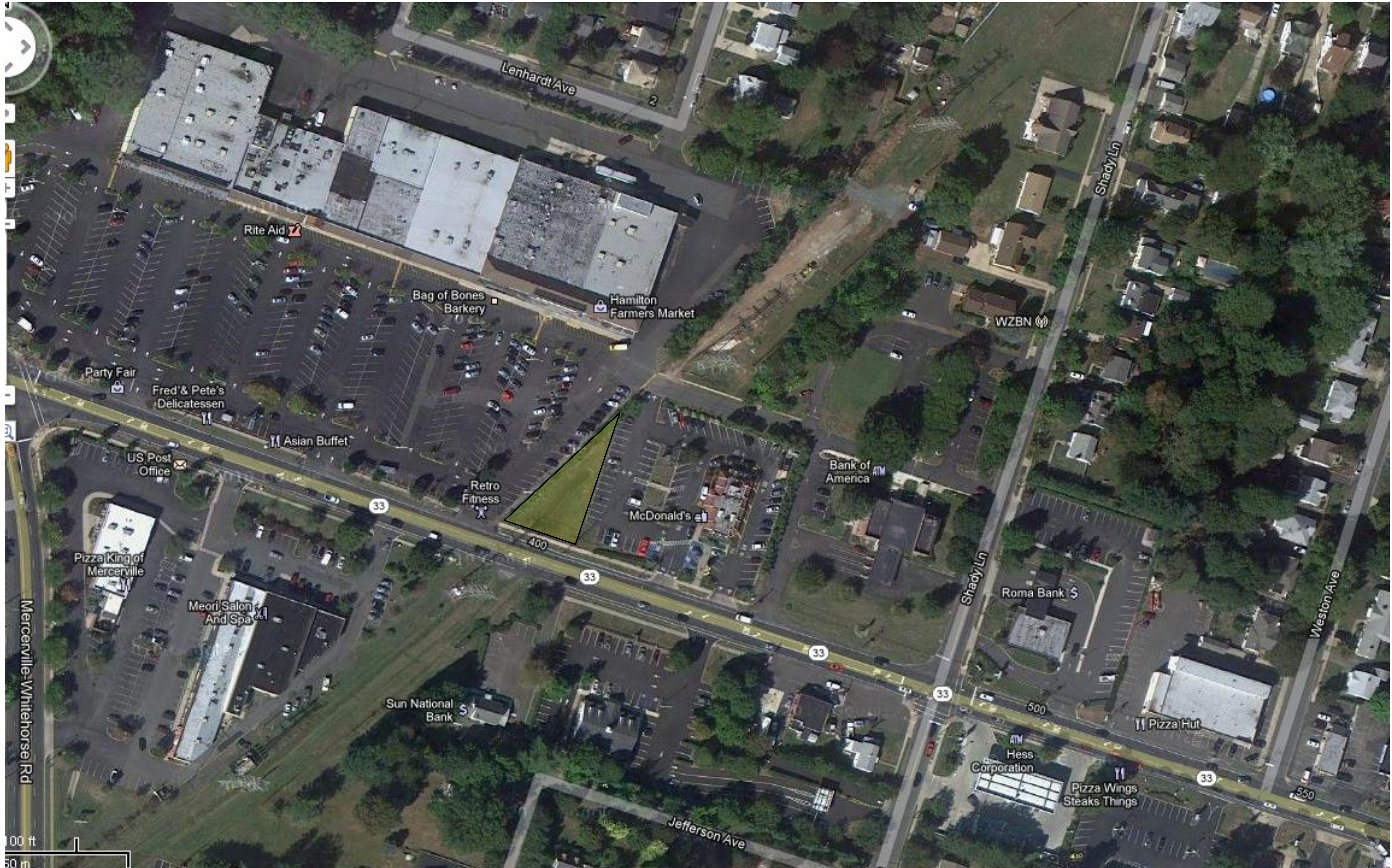
Ponding in basin bottom

Notes:

- Crates and shopping carts in basin
- Standing water in basin bottom
- Sediment and litter accumulation in basin, inlets and outlet
- Woody vegetation growth around outlet
- Exposed soil in and around basin embankment

Hamilton Township
Stormwater Basin Assessment
80. McDonald's Basin

Address:
410 New Jersey 33
Mercerville-Hamilton, NJ 08619



Hamilton Township
Stormwater Basin Assessment
80. McDonald's Basin

Address:
410 New Jersey 33
Mercerville-Hamilton, NJ 08619



Parking lot edge lined with stone



Sediment accumulation in inlet



Outlet and low flow

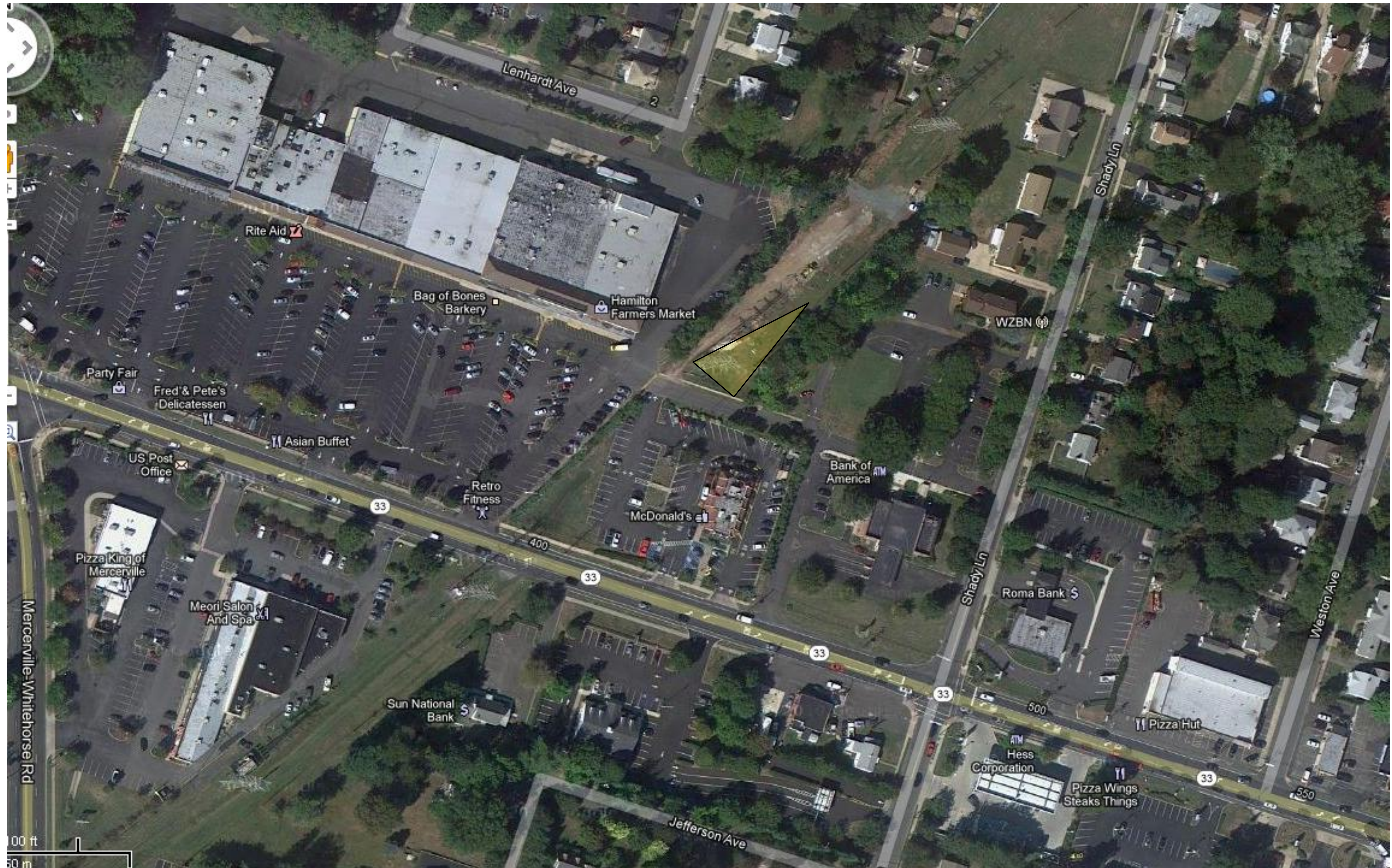
Notes:

- Excess sediment accumulation in low flow channel, outlet and inlets
- Evidence of standing water
- Corrosion and rusting at inlets

Hamilton Township
Stormwater Basin Assessment

81. Hamilton's Farmers Market Basin

Address:
372 New Jersey 33
Mercerville-Hamilton, NJ 08619



Hamilton Township
Stormwater Basin Assessment

81. Hamilton's Farmers Market Basin

Address:
372 New Jersey 33
Mercerville-Hamilton, NJ 08619



Clogged inlet



Basin bottom looking northeast

Notes:

- Debris and sediment accumulation at inlet pipe
- No outlet structure, water discharges to grass swale

Hamilton Township
Stormwater Basin Assessment

82. D'Errico Whitehorse Basin (#1)

Address:
2365 Whitehorse Mercerville Road
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
82. D'Errico Whitehorse Basin (#1)

Address:
2365 Whitehorse Mercerville Road
Hamilton Township, NJ 08619



Curb cut inlet



Basin bottom looking southwest



Outlet Structure



Inlet

Notes:

- Evidence of erosion at curb cut inlet

Hamilton Township
Stormwater Basin Assessment

83. D'Errico Whitehorse Basin (#2)

Address:
2365 Whitehorse Mercerville Road
Hamilton Township, NJ 08619



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Hamilton Township
Stormwater Basin Assessment
83. D'Errico Whitehorse Basin (#2)

Address:
2365 Whitehorse Mercerville Road
Hamilton Township, NJ 08619



Outlet clogged with sediment



Pipe from rooftop run off

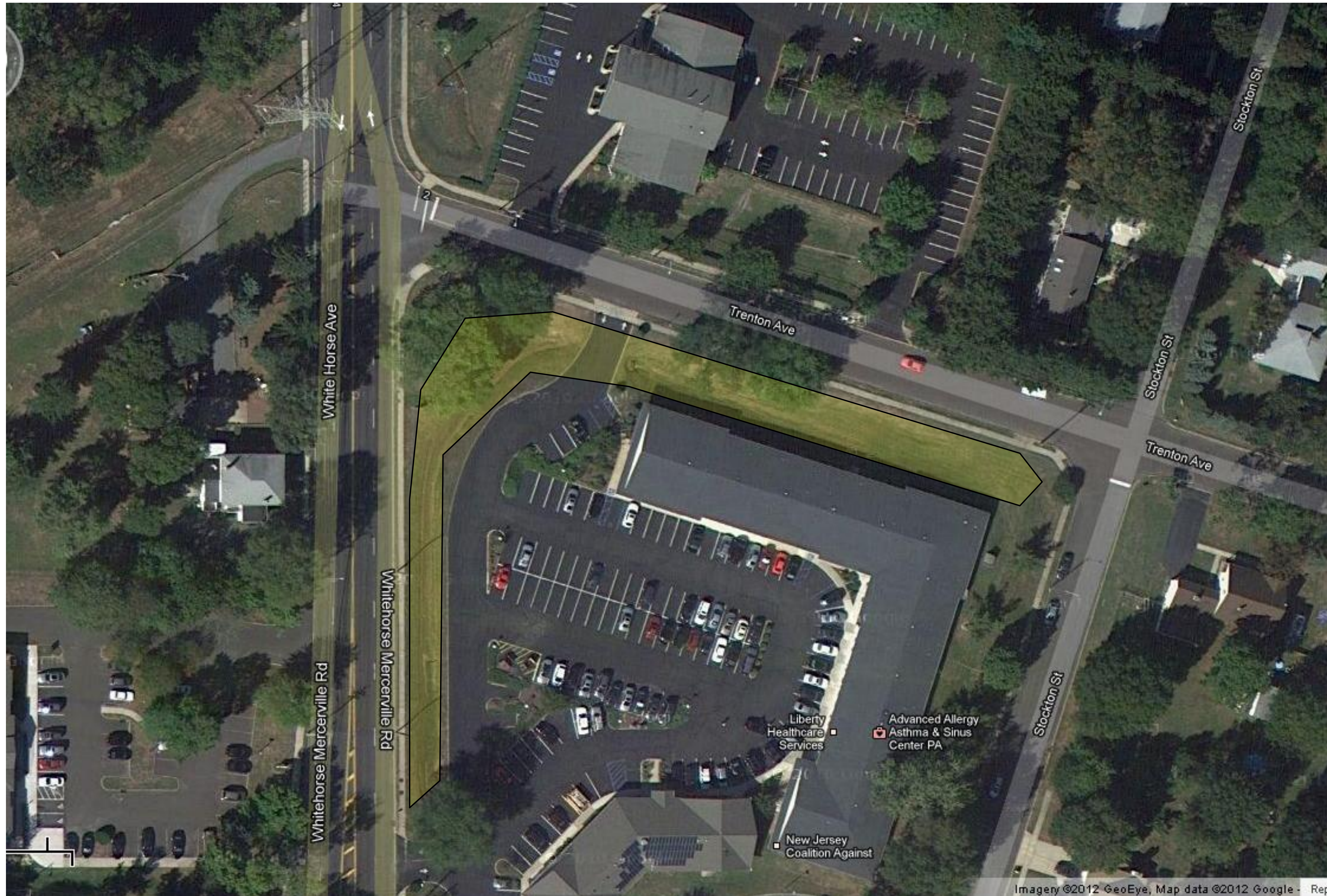
Notes:

- Sediment accumulation in front of outlet
- Some corrosion from rooftop pipes

Hamilton Township
Stormwater Basin Assessment

84. Advanced Allergy Asthma & Sinus Center Basin

Address:
2333 Whitehorse Mercerville Road
Hamilton Township, NJ 08619



Imagery ©2012 GeoEye, Map data ©2012 Google - Rep

Hamilton Township
Stormwater Basin Assessment

84. Advanced Allergy Asthma & Sinus Center Basin

Address:
2333 Whitehorse Mercerville Road
Hamilton Township, NJ 08619



Eastern basin bottom



Clogged inlet



Western basin bottom



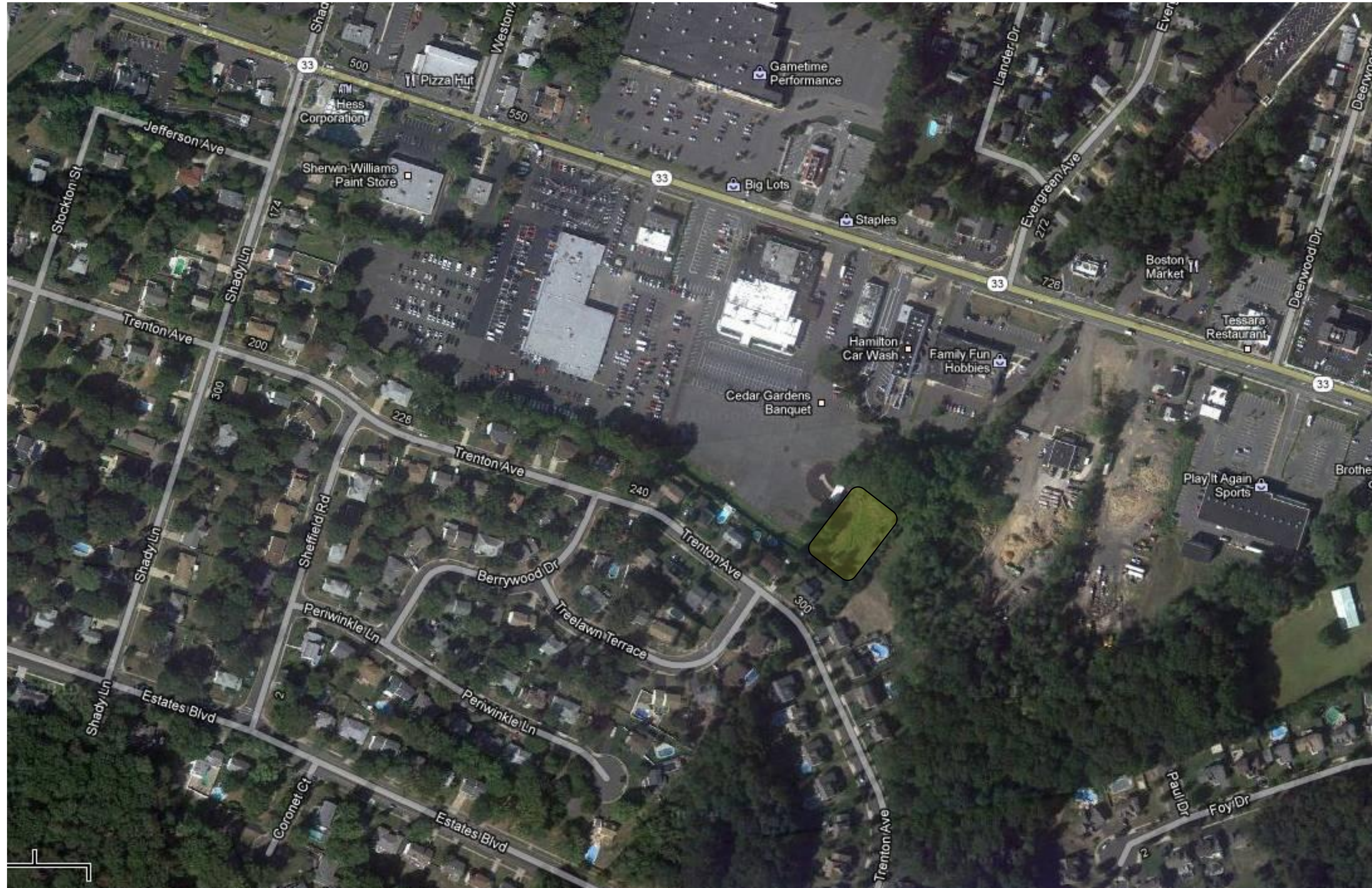
Outlet

Notes:

- Sediment accumulation at inlet and outlet
- Exposed soil in basin bottom
- Outlet has structural damage

Hamilton Township
Stormwater Basin Assessment
85. Cedar Gardens Banquet Basin

Address:
661 New Jersey 33
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
85. Cedar Gardens Banquet Basin

Address:
661 New Jersey 33
Hamilton Township, NJ 08619



Basin bottom looking southeast



Low flow channel with flowing water



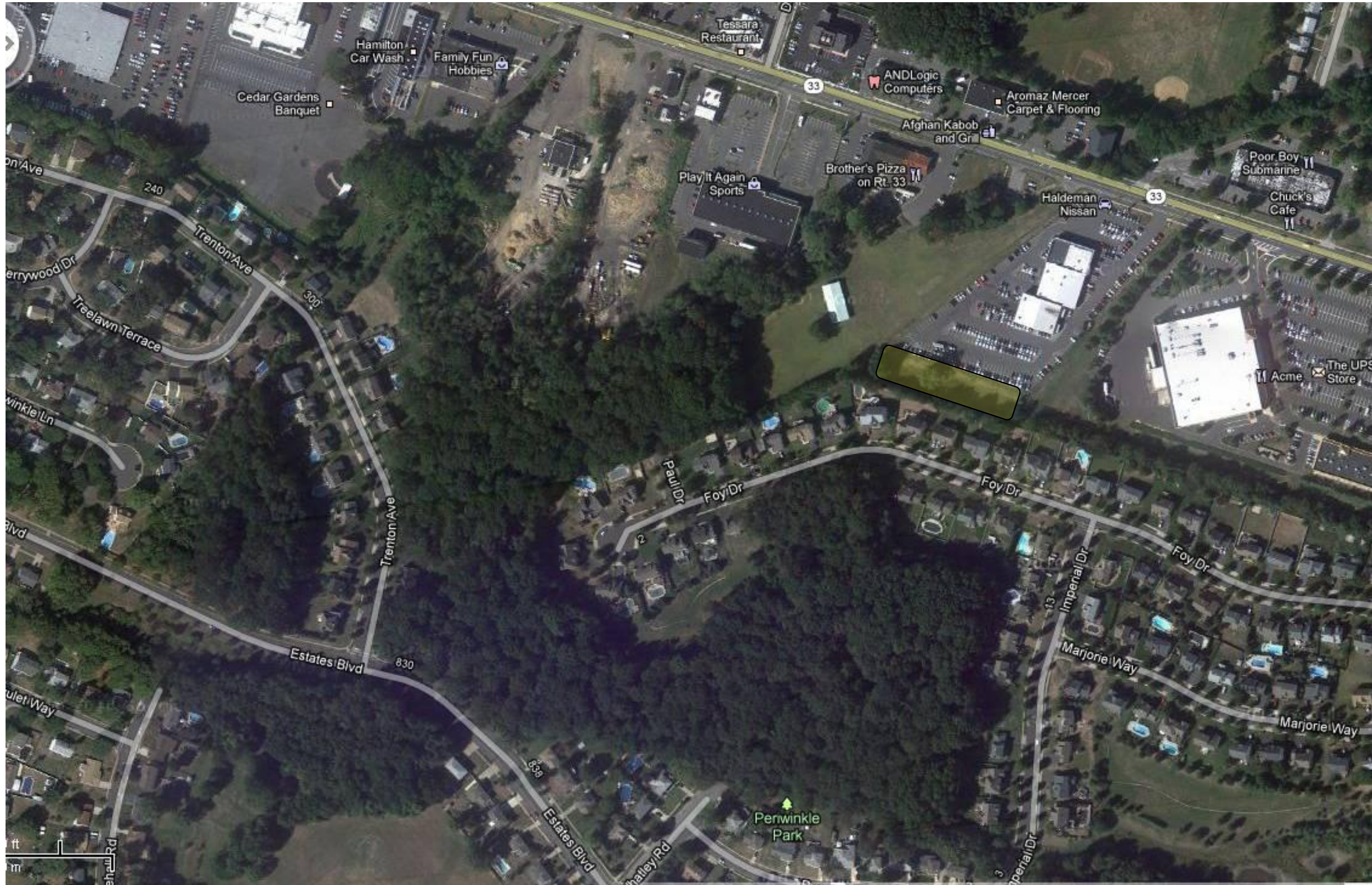
Outlet with structural damage

Notes:

- Basin is naturalized
- Outlet has structural damage, signs of erosion and woody vegetation growth
- Apparent dry weather flow

Hamilton Township
Stormwater Basin Assessment
86. Haldeman Nissan Basin

Address:
951 Highway 33
Hamilton Square, NJ 08690



Hamilton Township
Stormwater Basin Assessment
86. Haldeman Nissan Basin

Address:
951 Highway 33
Hamilton Square, NJ 08690



Inlet



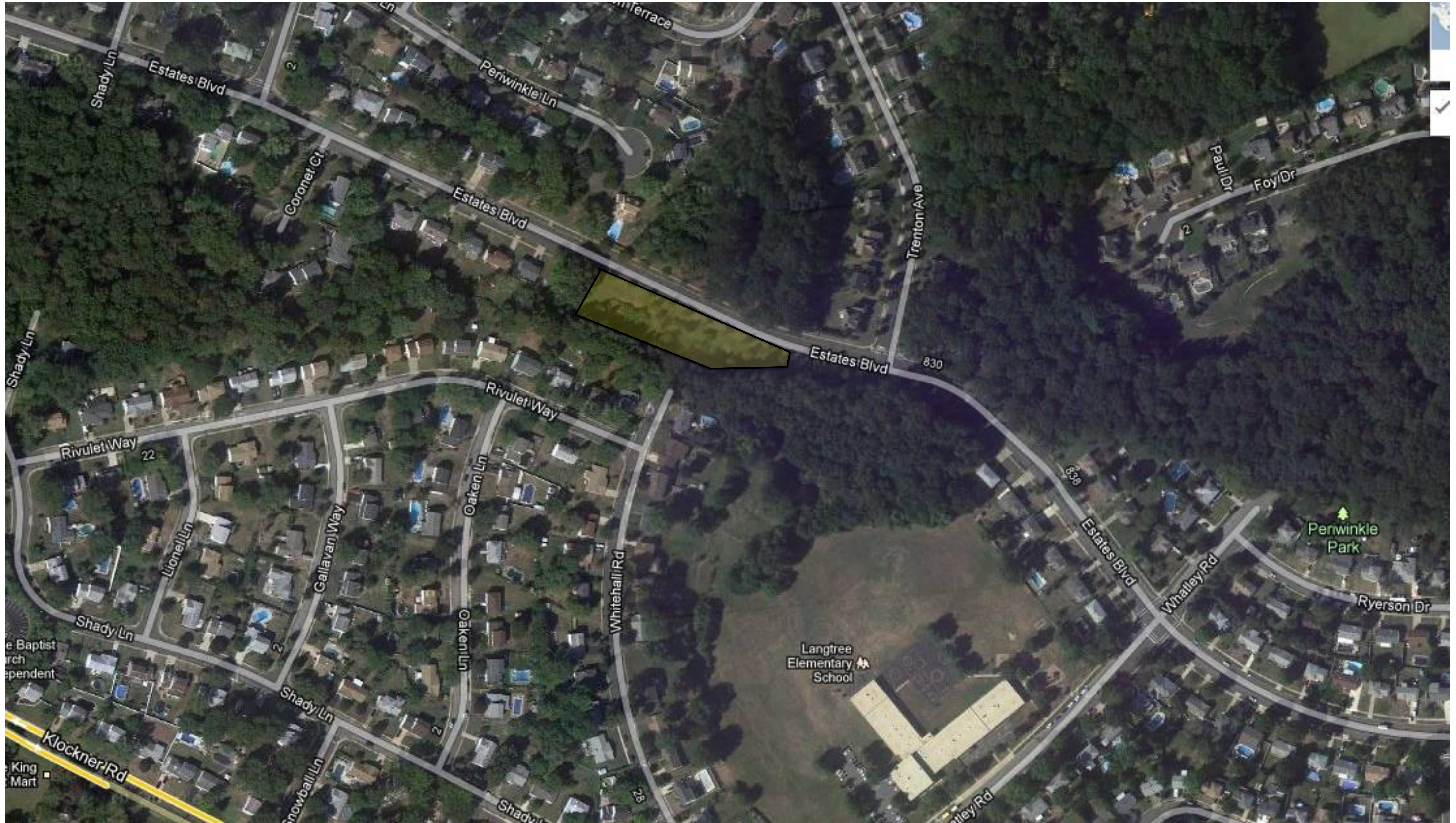
Basin bottom looking west

Notes:

- Basin has no outlet
- Inlet has evidence of erosion

Hamilton Township
Stormwater Basin Assessment
87. Roadside Residential Basin

Address:
Estates Blvd and Trenton Ave
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
87. Roadside Residential Basin

Address:
Estates Blvd and Trenton Ave
Hamilton Township, NJ 08619



Basin bottom looking west



Basin bottom looking north



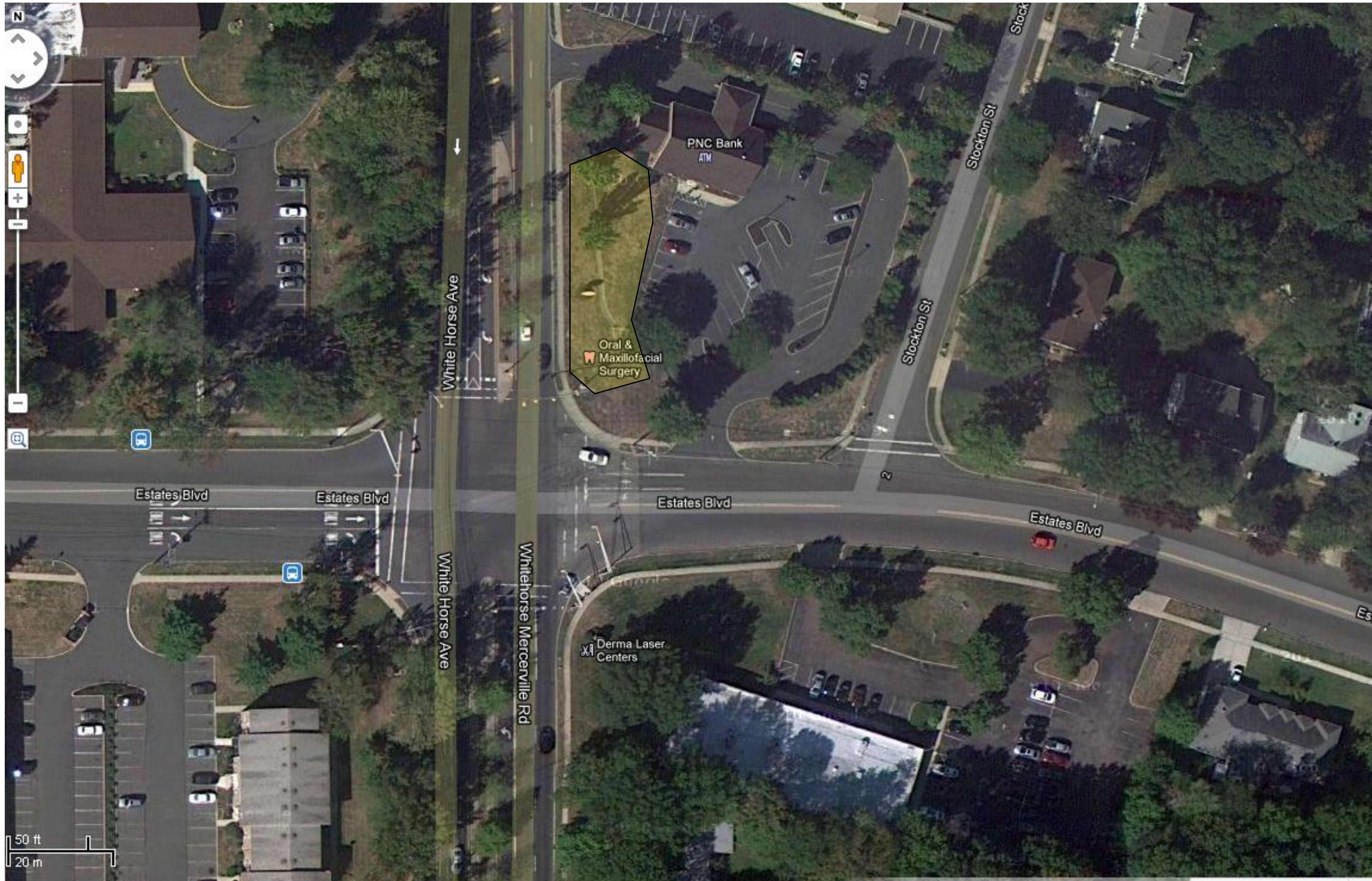
Outlet Structure

Notes:

- Woody vegetation growth around inlet and outlet structures

Hamilton Township
Stormwater Basin Assessment
88. PNC Bank Basin

Address:
2235 Mercerville-Whitehorse Road
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
88. PNC Bank Basin

Address:
2235 Mercerville-Whitehorse Road
Hamilton Township, NJ 08619



Basin bottom looking north



Inlet pipe



Outlet structure

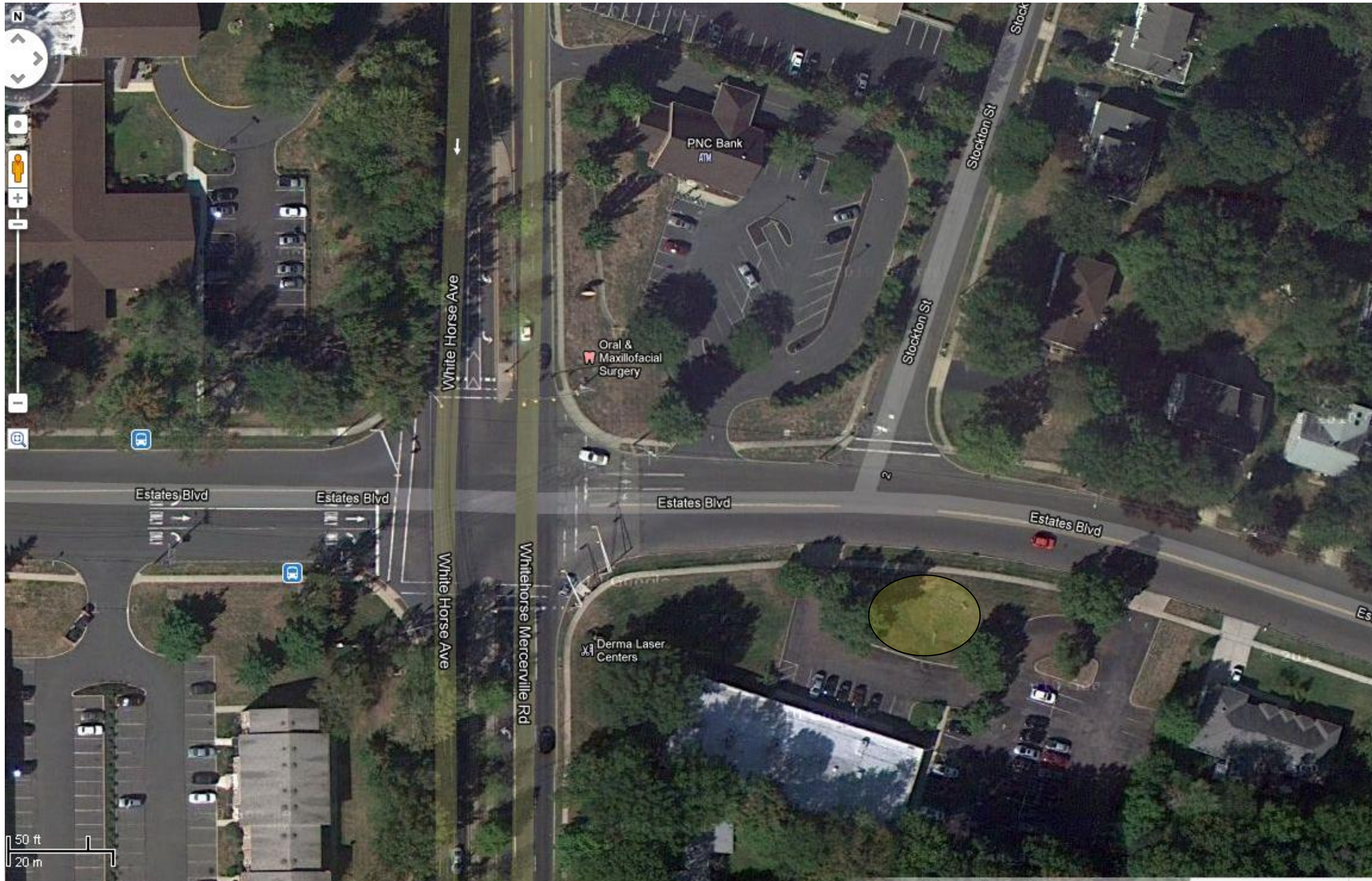
Notes:

- Inlet and outlet show evidence of deterioration

Hamilton Township
Stormwater Basin Assessment

89. Derma Laser Centers Basin (#1)

Address:
2239 Whitehorse Mercerville Road
Mercerville, NJ 08619



Hamilton Township
Stormwater Basin Assessment

89. Derma Laser Centers Basin (#1)

Address:
2239 Whitehorse Mercerville Road
Mercerville, NJ 08619



Basin bottom looking west



Outlet structure



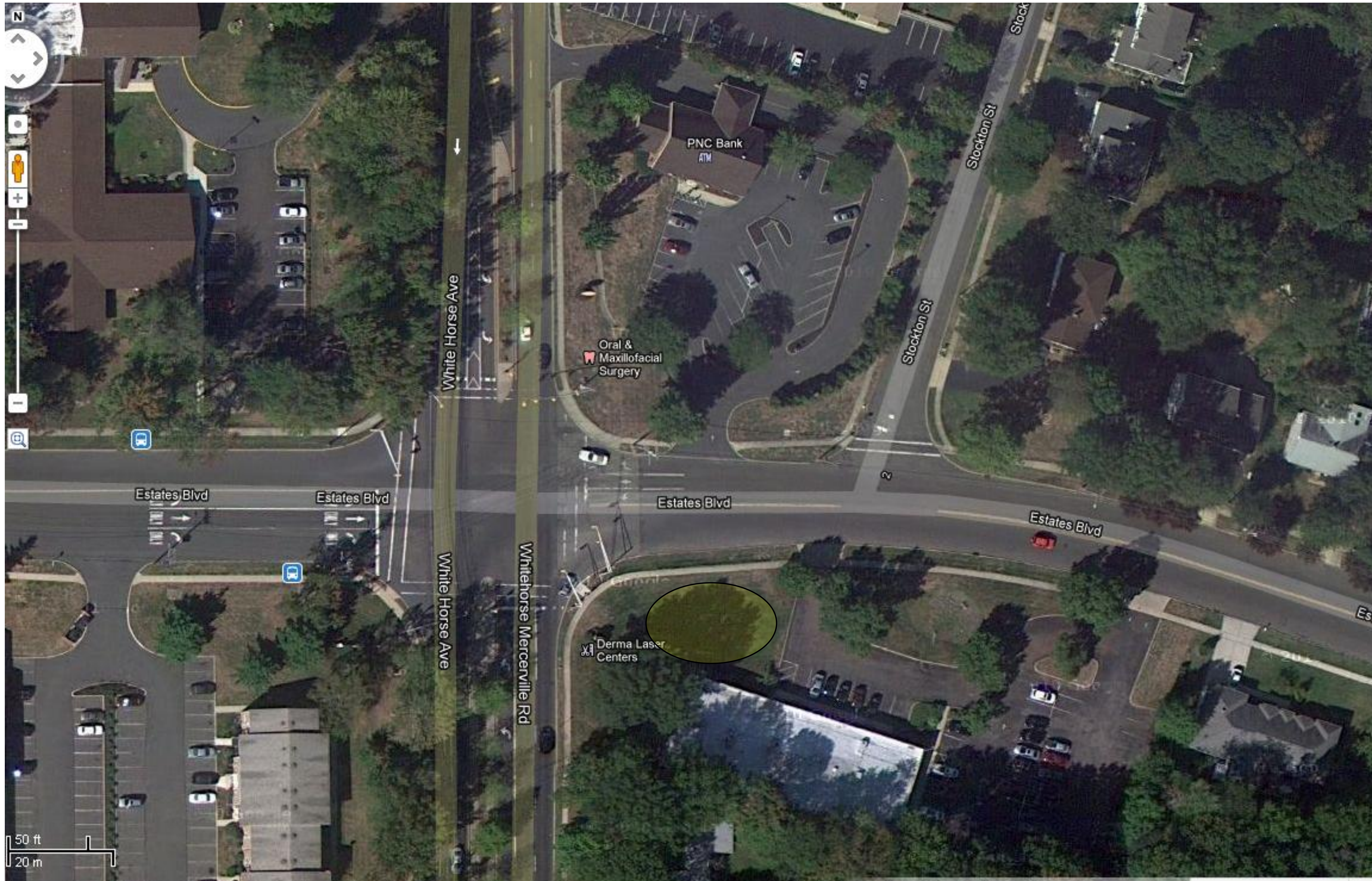
Inlet pipe

Notes:

- Standing water in inlet
- Accumulation of litter, sediment and debris AT outlet, inlet and basin bottom
- Exposed soil in basin bottom
- Evidence of erosion in front of inlet
- Inlet shows evidence of deterioration

Hamilton Township
Stormwater Basin Assessment
90. Derma Laser Centers Basin (#2)

Address:
2239 Whitehorse Mercerville Road
Mercerville, NJ 08619



Hamilton Township
Stormwater Basin Assessment
90. Derma Laser Centers Basin (#2)

Address:
2239 Whitehorse Mercerville Road
Mercerville, NJ 08619



Basin bottom looking west



Outlet pipe

Notes:

- Overland flow, no inlet structure
- Standing water in basin and outlet
- Accumulation of litter, debris, and sediment in basin and outlet

Hamilton Township
Stormwater Basin Assessment

91. Eastern Dental of Hamilton Basin

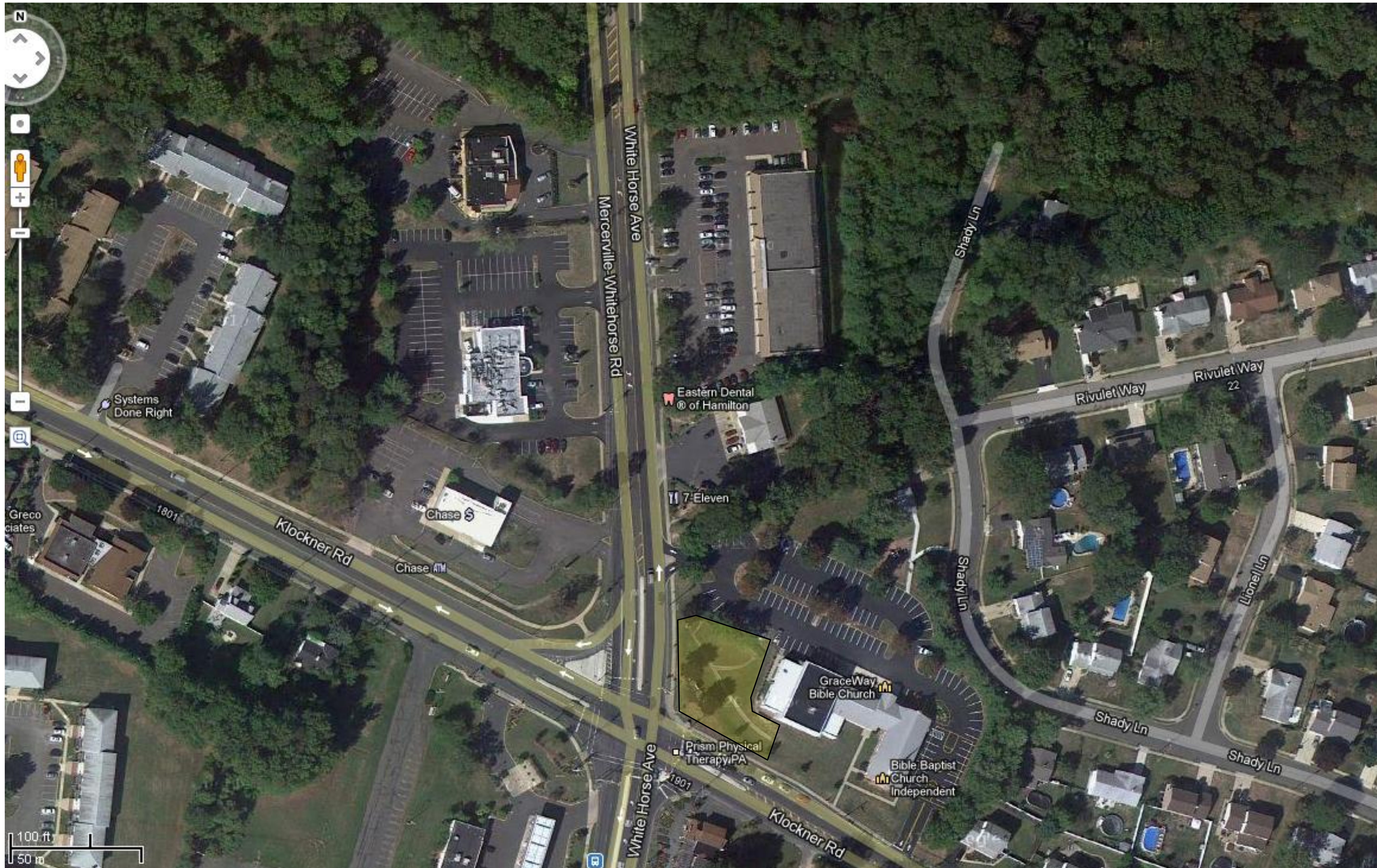
Address:
2103 Whitehorse Mercerville Road
Hamilton Township, NJ 08619



**Did not assess due to limited accessibility

Hamilton Township
Stormwater Basin Assessment
92. Grace Way Bible Church Basin

Address:
1934 Klockner Road
Trenton, NJ 08619



Hamilton Township
Stormwater Basin Assessment
92. Grace Way Bible Church Basin

Address:
1934 Klockner Road
Trenton, NJ 08619



Basin bottom looking west



Inlet pipe



Inlet pipe



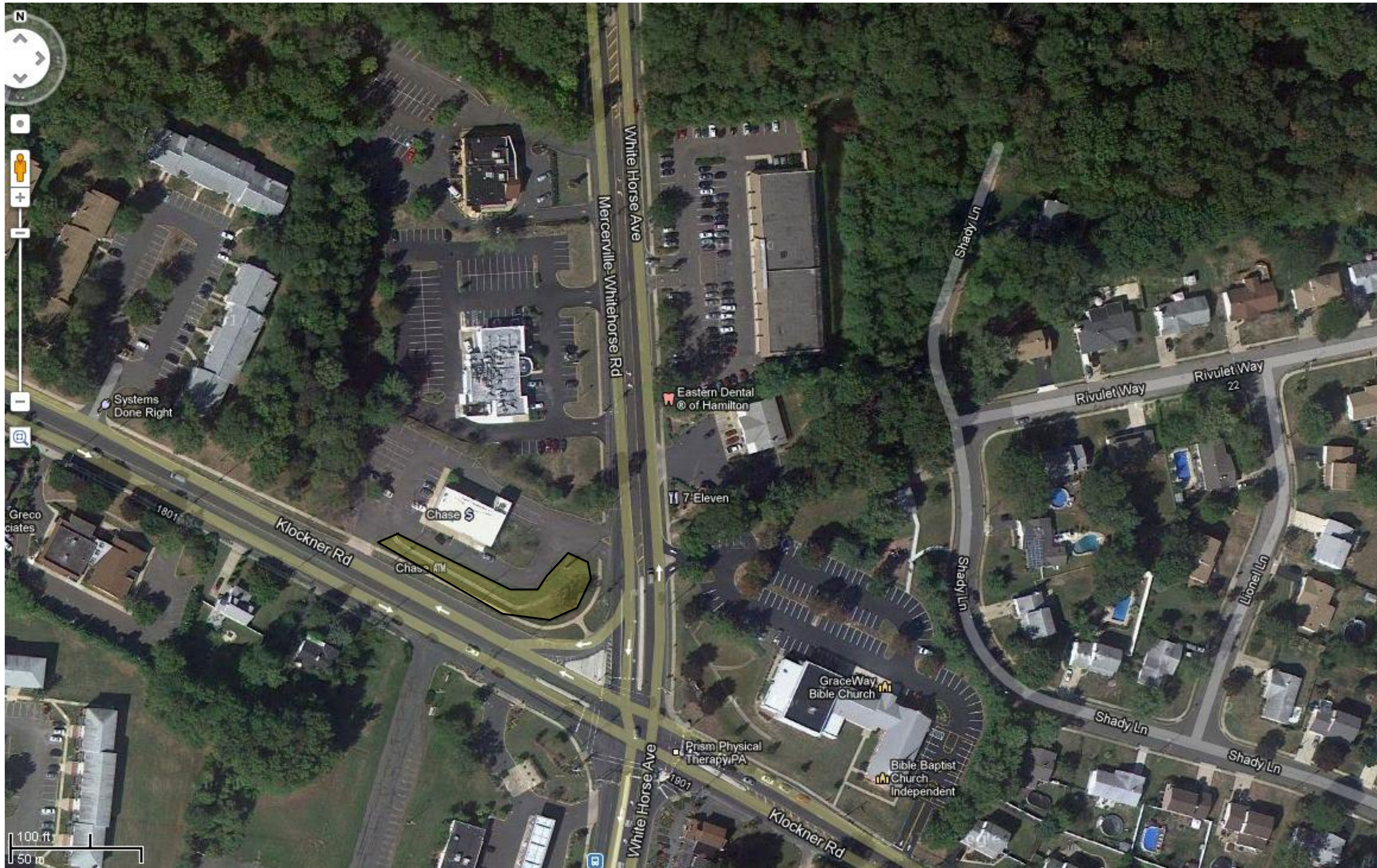
Outlet structure

Notes:

- Outlet trash rack clogged with sediment and grass clippings
- Outlet has structural damage

Hamilton Township
Stormwater Basin Assessment
93. Chase Bank Basin

Address:
1850 Klockner Road
Mercerville, NJ 08619



Hamilton Township
Stormwater Basin Assessment
93. Chase Bank Basin

Address:
1850 Klockner Road
Mercerville, NJ 08619



Inlet curb cut



Outlet pipe and overflow



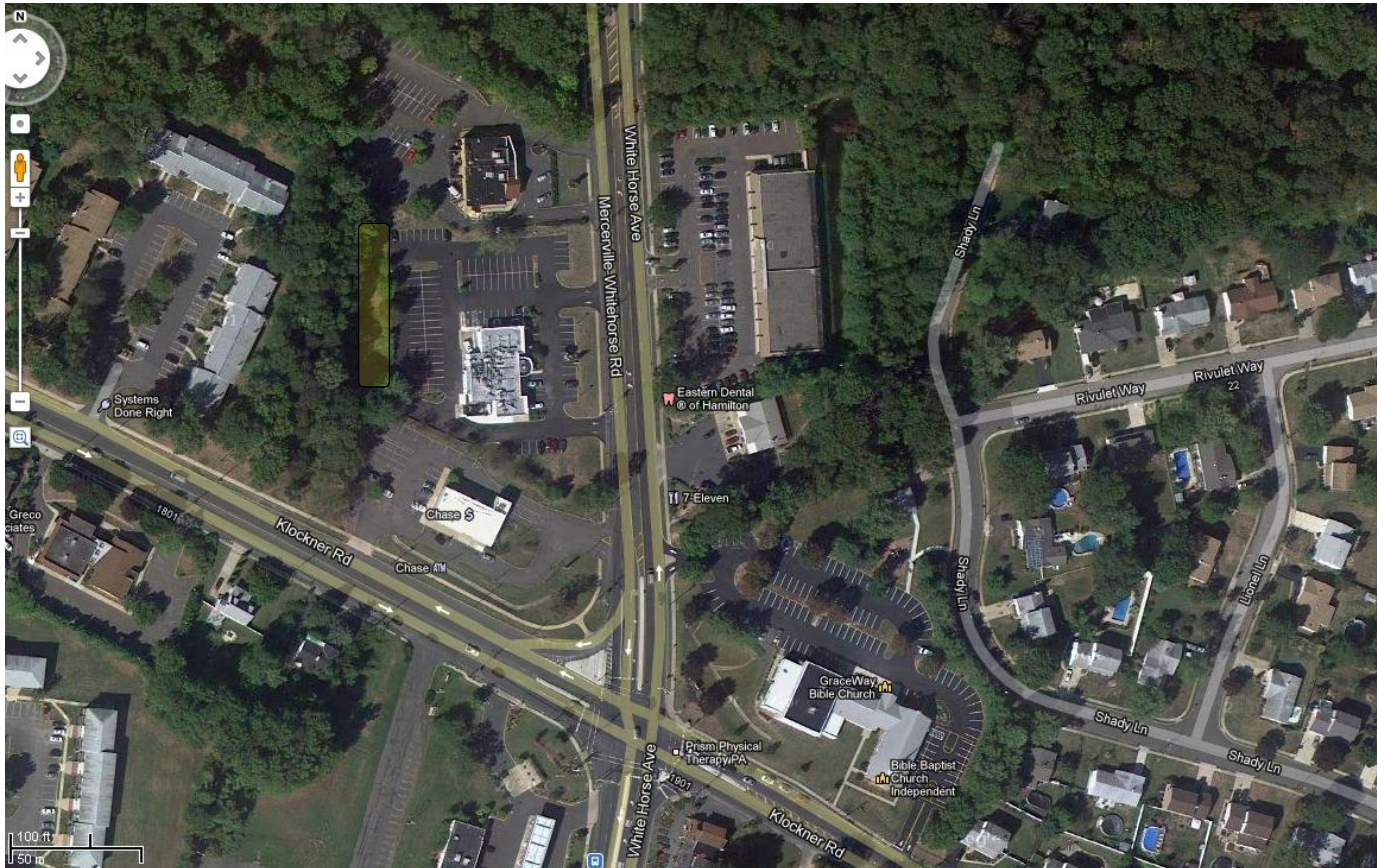
Inlet pipe

Notes:

- Sediment accumulation in low flow channel, inlet and outlet
- Debris accumulation obstructing flow at outlet pipe

Hamilton Township
Stormwater Basin Assessment
94. Golden Dawn Diner II Basin

Address:
2090 Whitehorse Mercerville Rd
Hamilton Township, NJ 08619



Hamilton Township
Stormwater Basin Assessment
94. Golden Dawn Diner II Basin

Address:
2090 Whitehorse Mercerville Rd
Hamilton Township, NJ 08619



Basin bottom looking north



Excessive vegetative growth at outlet



Excessive vegetative growth at inlet

Notes:

- Standing water in low flow channel
- Basin bottom has exposed soil
- Excessive vegetative growth at inlet and outlet structures
- Curb cut inlets have structural damage and erosion

Hamilton Township
Stormwater Basin Assessment
95. Klockner Rd Commercial Basin

Address:
1799 Klockner Rd
Trenton, NJ 08619



Imagery ©2012 GeoEye, Map data ©2012 Google - R

Hamilton Township
Stormwater Basin Assessment
95. Klockner Rd Basin

Address:
1799 Klockner Rd
Trenton, NJ 08619



Inlet curb cut



Outlet structure

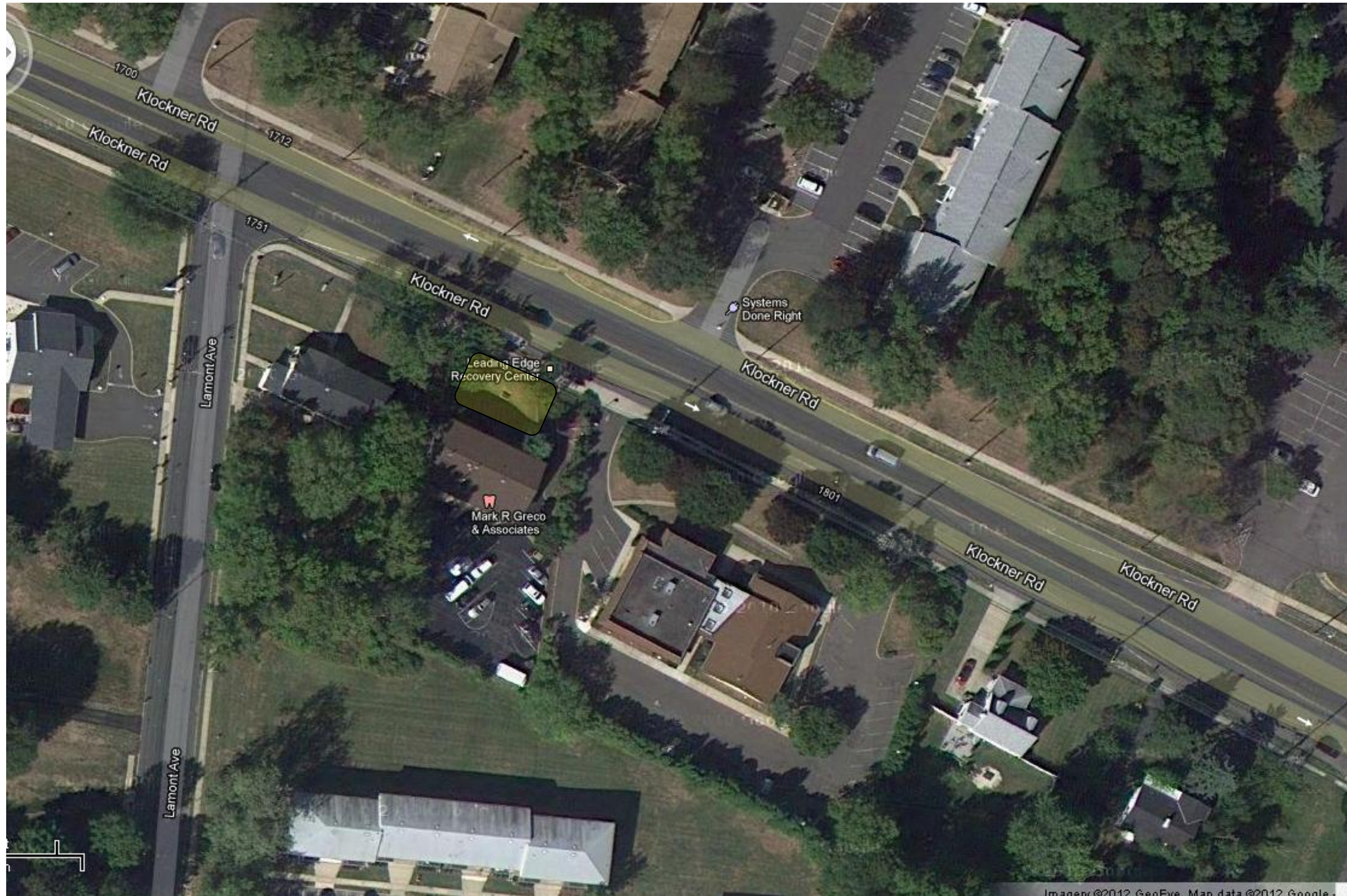
Notes:

- Sediment accumulation in low flow channel, inlet and outlet
- Outlet structure shows evidence of deterioration

Hamilton Township
Stormwater Basin Assessment

96. Leading Edge Recovery Center Basin

Address:
1777 Klockner Road
Trenton, NJ 08619



Imagery ©2012 GeoEye, Map data ©2012 Google - R

Hamilton Township
Stormwater Basin Assessment

96. Leading Edge Recovery Center Basin

Address:
1777 Klockner Road
Trenton, NJ 08619



Inlet pipe



Basin bottom looking east



Outlet structure

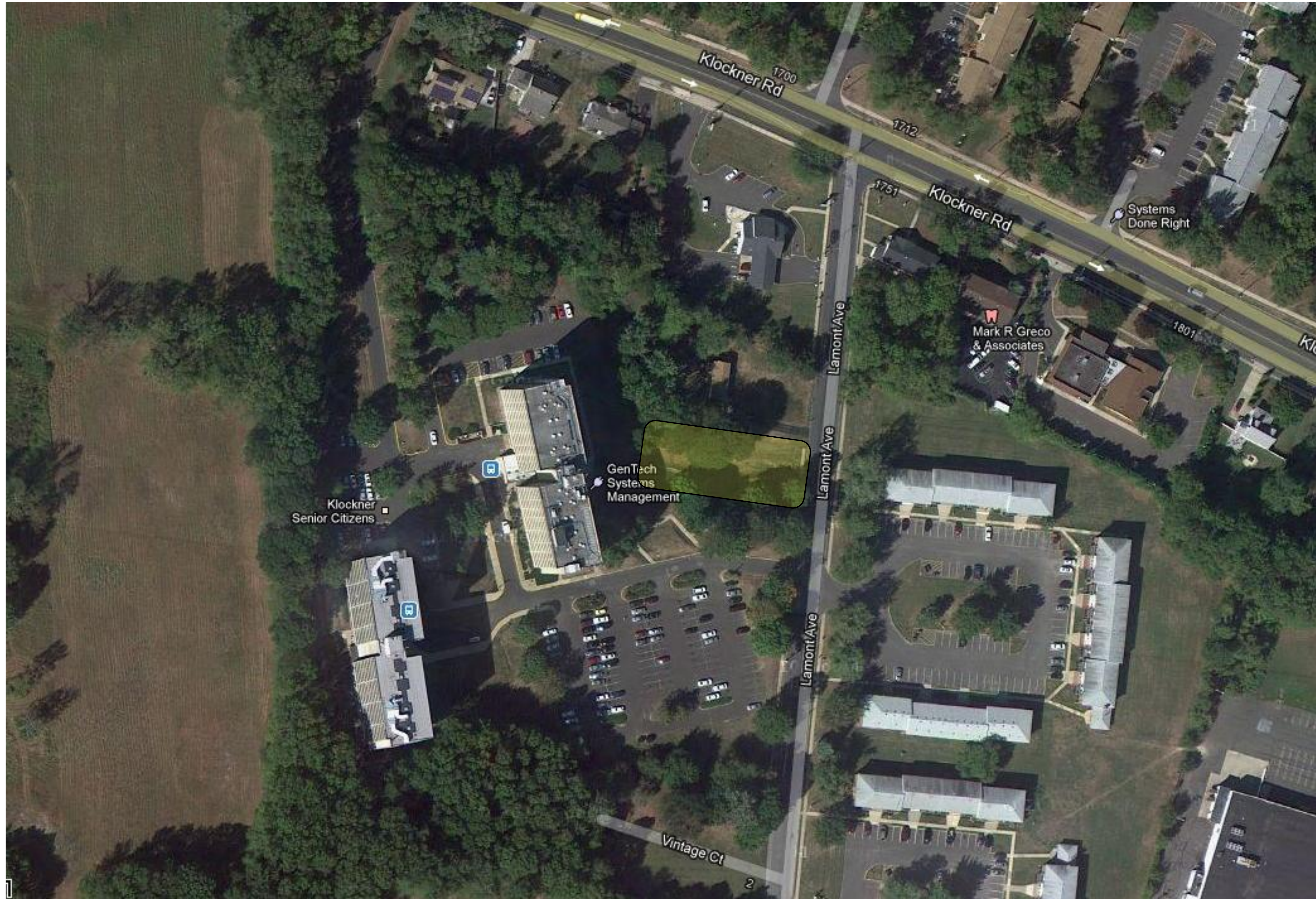
Notes:

- Sediment accumulation in basin bottom, inlet, and outlet
- Outlet orifice completely obstructed with sediment

Hamilton Township
Stormwater Basin Assessment

97. GenTech Systems Management, LLC Basin

Address:
9 Lamont Avenue
Trenton, NJ 08619



Hamilton Township
Stormwater Basin Assessment

97. GenTech Systems Management, LLC Basin

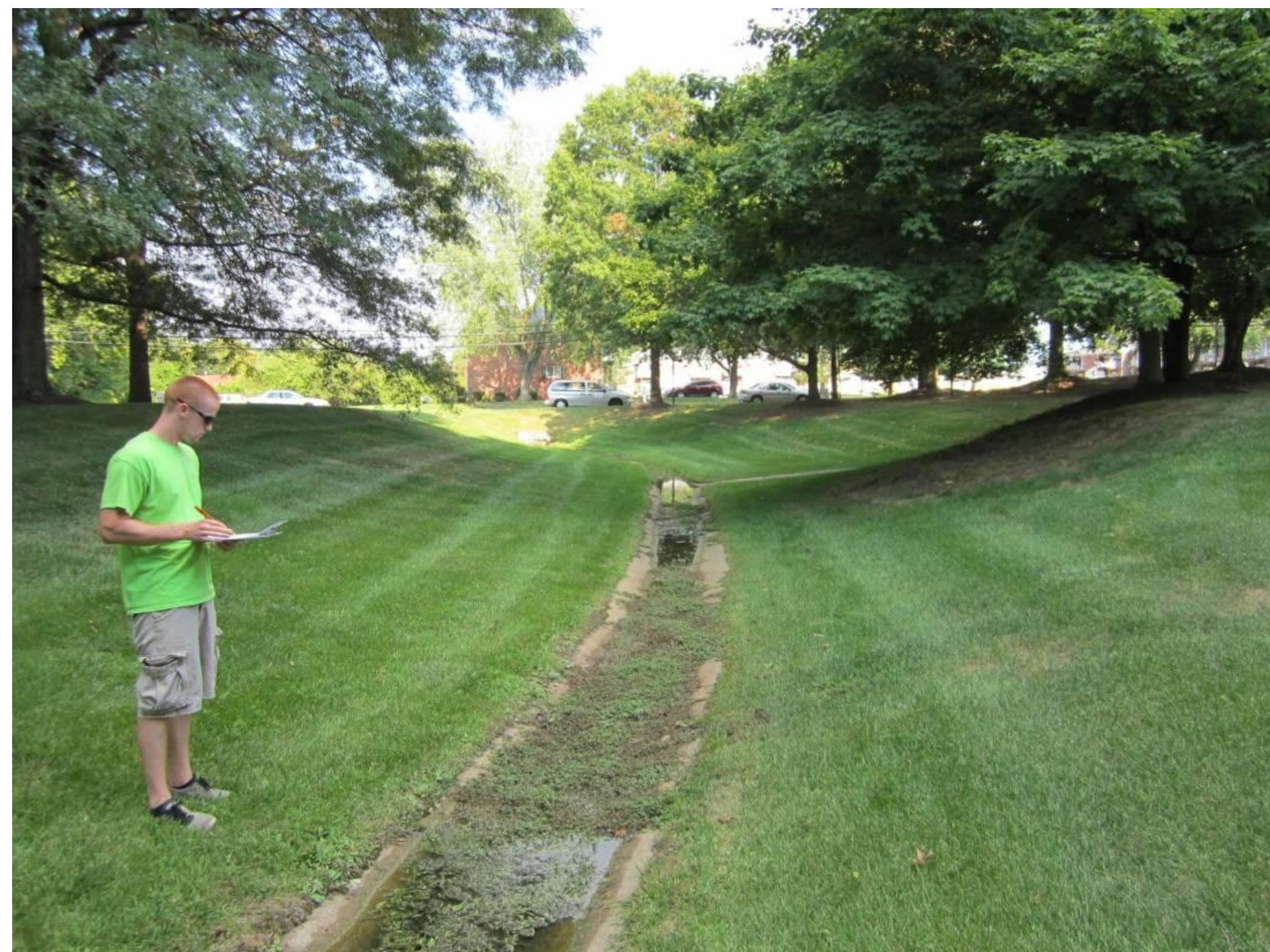
Address:
9 Lamont Avenue
Trenton, NJ 08619



Inlet



Outlet with clogged trash rack



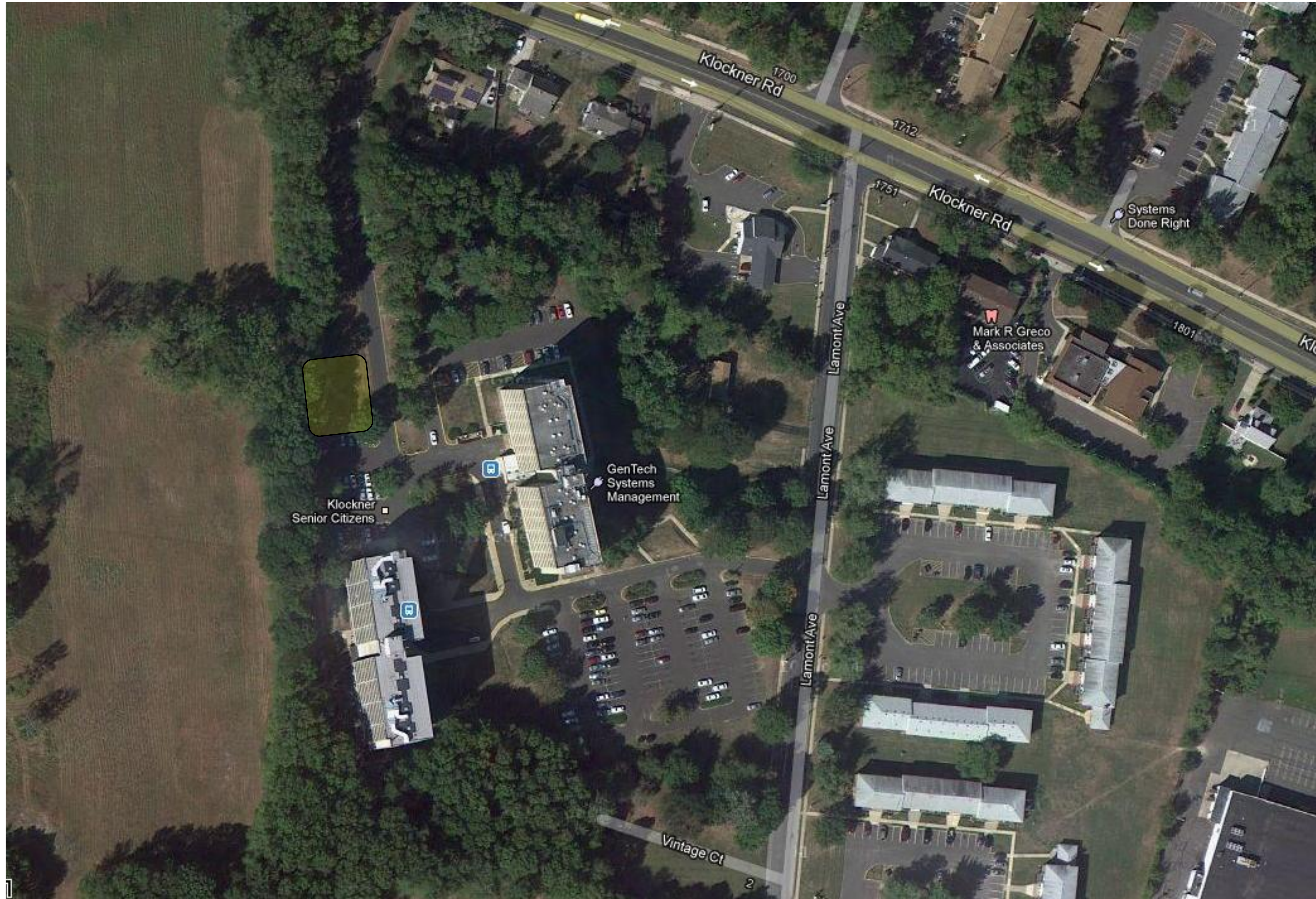
Basin bottom looking west

Notes:

- Sediment accumulation and standing water in low flow channel with algae growth
- Outlet trash rack clogged with sediment, grass clippings and litter

Hamilton Township
Stormwater Basin Assessment
98. Klockner Senior Citizens Basin

Address:
9 Lamont Avenue
Trenton, NJ 08619



Hamilton Township
Stormwater Basin Assessment
98. Klockner Senior Citizens Basin

Address:
9 Lamont Avenue
Trenton, NJ 08619



Basin bottom looking north



Outlet structure



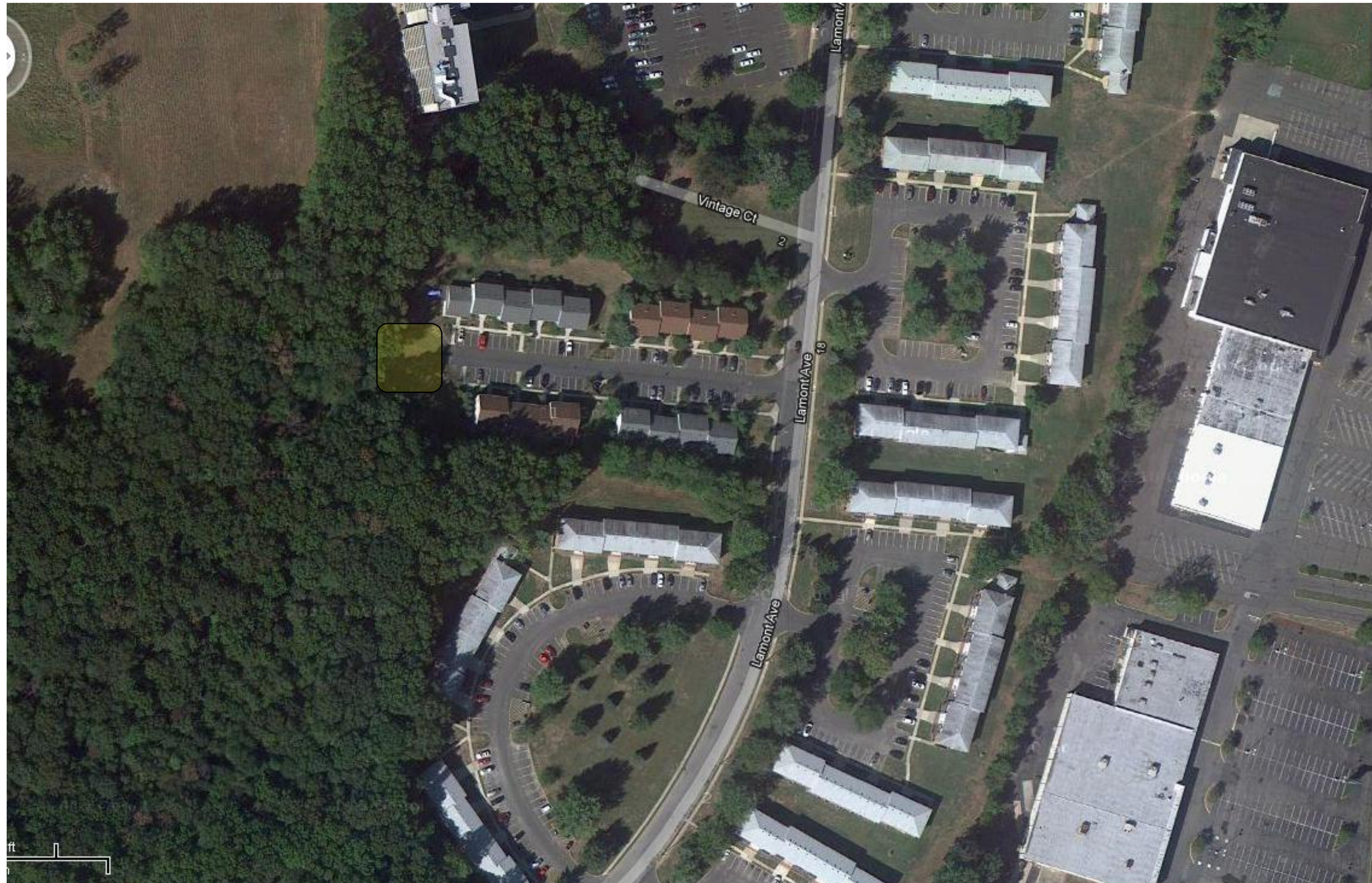
Inlet

Notes:

- Minimal sediment and debris accumulation at outlet trash rack
- Minimal sediment accumulation in low flow channel
- Well maintained basin

Hamilton Township
Stormwater Basin Assessment
99. Vintage Court Basin

Address:
Vintage Court
Trenton, NJ 08619



Hamilton Township
Stormwater Basin Assessment
99. Vintage Court Basin

Address:
Vintage Court
Trenton, NJ 08619



Basin bottom looking northwest



Inlet



Outlet structure

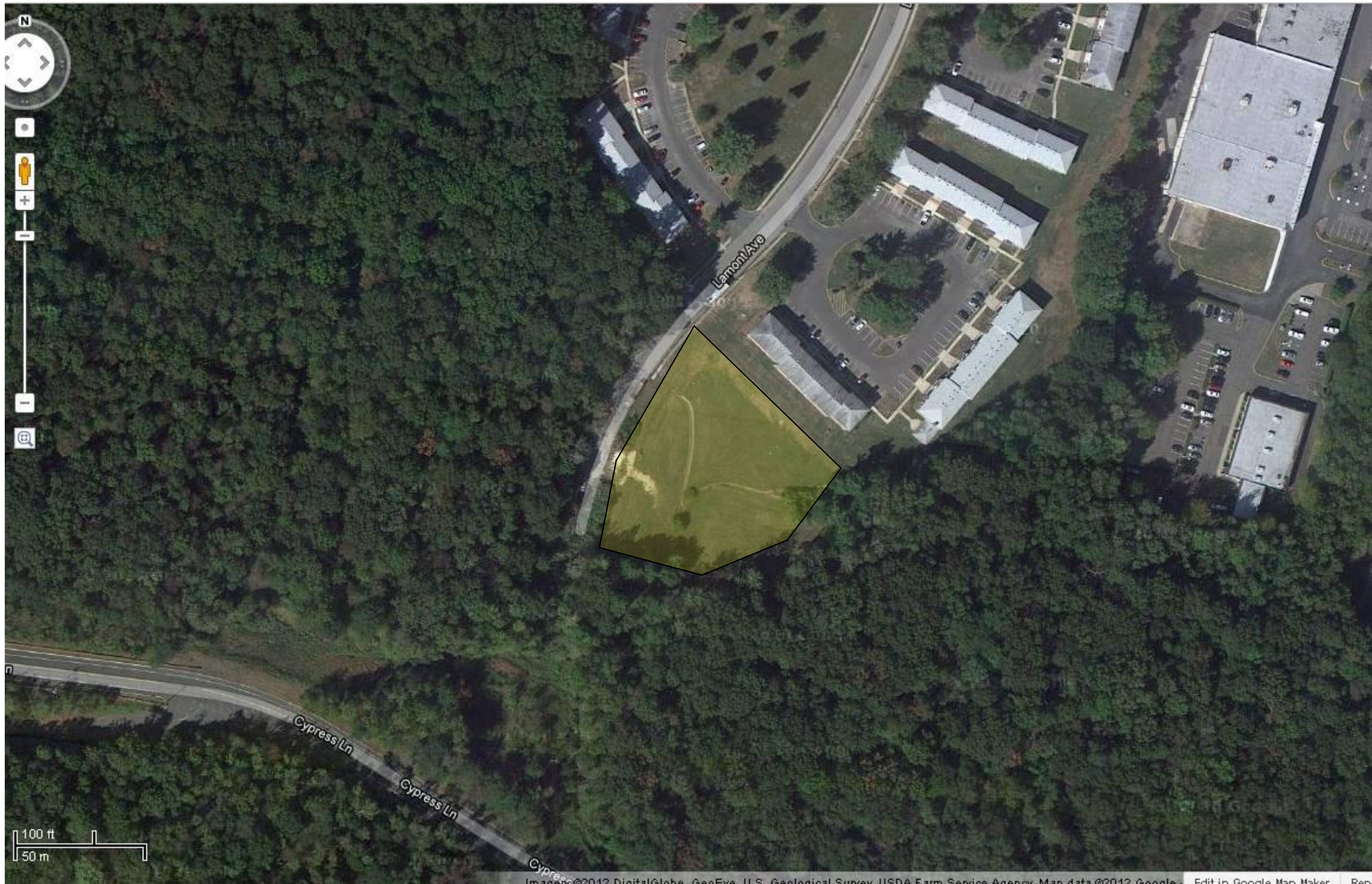
Notes:

- Evidence of erosion in basin bottom
- Sediment and debris accumulation at outlet and inlet structures

Hamilton Township
Stormwater Basin Assessment

100. Lamont Ave Commercial Basin

Address:
Lamont Ave
Trenton, NJ 08619



Hamilton Township
Stormwater Basin Assessment

100. Lamont Ave Commercial Basin

Address:
Lamont Ave
Trenton, NJ 08619



Inlet covered by plant growth



Outlet structure obstructed with litter



Slumping/failing basin embankment



Basin bottom looking northwest

Notes:

- Sediment, debris and litter accumulation at inlets and outlet
- Excess sediment accumulation and standing water in low flow channel with algae growth
- Northwestern basin embankment slumping/failing
- Evidence of deterioration at inlets
- Woody vegetation growth around outlet
- Basin outfall area shows evidence of erosion