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Old Cameron Run Trail

Feasibility Study

Mill Road to east of Hooffs Run

Technical Summary

December 3, 2015

Prepared for the City of Alexandria, Department of Transportation & Environmental Services

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Contents

Contents ii

1.0 Introduction: 1

1.1 Project Purpose & Need 1

1.2 Scope of Work 1

2.0 Existing Conditions, Opportunities, & Constraints: 1

2.1 Site Location 1

2.2 Surrounding Land Use and Adjacent Development 2

2.3 Right-of-Way and Easements 2

2.4 Environmental Features 3

2.5 Utilities 2

2.6 Nearby Attractions and Destinations 2

3.0 Design Criteria: 2

3.1 Design Guidelines 2

4.0 Concept Design & Alternatives Analysis: 7

4.1 Typical Sections 7

4.2 Alignment Alternatives 9

4.3 Alternatives Analysis 10

4.4 Cost Estimate 10

5.0 Conclusions: 11

5.1 Preferred Alternatives 11

5.2 Key Design Considerations 11

5.3 Next Steps 13

Appendices 14

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1.0 Introduction:

1.1 Project Purpose & Need

Completion of the Old Cameron Run Trail segment is necessary to support a multi-modal environment, and provide local and regional connectivity. Additionally, the trail will encourage more walking, biking, transit use, thereby helping to reduce carbon emissions and improve health. This project addresses the need for a safe, connected pedestrian and bicycle network in the City of Alexandria.

1.2 Scope of Work

This project investigated a two-way bicycle and pedestrian trail connection between Mill Road (near the intersection with Eisenhower Avenue) and the existing trail located to the east of Hooffs Run to create a more direct and conflict-free connection for bicyclists and pedestrians between the Eisenhower East and Southwest Quadrant neighborhoods.

Overall this trail study provided route evaluation, conceptual level design, and identified recommended details and site investigations required to move the design of this trail toward implementation. The scope of work for this project consisted of three major tasks: existing conditions assessment and environmental compliance recommendations, conceptual-level design plans, and a conceptual design cost estimate. The conceptual design was developed based on GIS and aerial photography base mapping in horizontal plan view, with a limited assessment of above ground utility impacts. Adjacent development plans, flood plain maps, and environmental mapping were also used for the development of the conceptual design.

2.0 Existing Conditions, Opportunities, & Constraints:

2.1 Site Location

As depicted in the location map in Appendix B, the recommended design begins along the east side of Mill Road just south of Eisenhower Avenue. From here, two alternatives are suggested to meander east along the Old Cameron Run Channel; one along the north side and one along the south. At Truesdale Drive, a low-speed, low-volume roadway used to access the Adult Detention Center property, the trail may be constructed along the southern side of the road or may be implemented as a shared road condition. The trail is then recommended to follow the dedication “Reserved for Future City Use” within the Alexandria Renew Enterprises (AlexRenew) property, and then diagonally cross the Old Cameron Run and Hooffs Run stream channels to connect with the existing trail terminus at the southwest corner of the AlexRenew Advanced Wastewater Reclamation Facility.

2.2 Surrounding Land Use and Adjacent Development

The proposed trail corridor is a generally wooded stream channel (Old Cameron Run Channel) bordered on both sides by existing developed land and planned land development projects. See Appendix A for photographs of the existing conditions. The western portion of the Old Cameron Run Stream Channel is characterized by very steep wooded slopes and a narrow floodplain. The floodplain becomes broader to the east, as it approaches the confluence of Old Cameron Run and Hooffs Run.

A parking garage and parking lot exist along the northern side of the stream at the west end of the project. These features are located at the top of the stream embankment immediately adjacent to steep slopes (Photo 1) and retaining walls (Photo 2). A major storm drain outfall penetrates the retaining wall at stream elevation near the east end of the parking garage.

On the southern side of the stream is the Carlyle Mill apartment complex (Photos 3 & 4) which is setback approximately 80-to-100-feet from the top of the stream bank. The space between the stream bank and buildings is a lawn area with occasional trees and landscaping. To the east of the apartment complex is the City of Alexandria Adult Detention Center, which is built up to the edge of the stream channel (Photo 5).

Continuing further east are Hooffs Run Drive and Truesdale Drive. Truesdale Drive currently crosses the stream to the Detention Center (Photo 6), and will be relocated 20 to 50 feet east if its present position as a part of the ongoing construction project at the AlexRenew Facility. The AlexRenew Facility encompasses the area between Truesdale Drive and Hooffs Run. The Old Cameron Run stream channel intersects with the Hooffs Run stream channel at the southwest corner of the existing AlexRenew wastewater treatment plant. The connection point is an existing trail that runs from the confluence of these two streams (Photo 7), along I-495 (Photo 8), and terminates at South Payne Street.

2.3 Right-of-Way and Easements

The Old Cameron Run channel is located within areas of existing public and private property traversed by various access easements and utility easements. The western portions of the project are located along lands controlled by the City of Alexandria, the Carlyle Mill apartment complex, and Hoffman Town Center property. The eastern portion of the project is located within land controlled by the AlexRenew and the Virginia Department of Transportation (VDOT). The eastern portion is also encumbered by a variety of utility easements including sanitary sewer, storm sewer, telephone, electric, and water. Maps showing existing land use and easements are provided in Appendix E and F respectively.

All of the development plans for lands adjacent to the trail show dedication of the trail right-of-way. However, due to the timing of those development projects and other factors, it may be necessary to obtain easements to construct, operate, and maintain the trail until those projects are constructed and the dedications are recorded.

There are three areas where this is likely to occur:

1. **AlexRenew Property:**
   The approved development plans for this property currently show only a 10' easement reserved along the south side of the property for city use. Additional space will be needed for maintenance of trail shoulders and appurtenances.

2. **VDOT Right-of-Way along I-495 at the confluence of Old Cameron Run and Hooffs Run:**
   Impacts to VDOT Right-of-Way at this location are not avoidable due to the location of the existing trail tie-in point. VDOT typically allows construction, operation, and maintenance of trails, utilities, and similar facilities via a long-term Land Use Permit, rather than a permanent easement.

3. **The Hoffman Town Center Property:**
   This parcel is slated for redevelopment, however the timing of that redevelopment is currently unknown. It may be necessary to approach the property owner about recording the dedication prior to redevelopment of the property, or to obtain an easement.

Future designers of this project should work with the City to contact these landowners early in the design phase to determine what mechanisms will be used to secure the necessary right-of-way for the trail.

2.4 Environmental Features

The project team performed a desktop review and project area walkthrough to assess existing conditions and potential environmental issues that may affect the future design and permitting process. Key issues are summarized below and identified in greater detail in the Technical Memorandum in Appendix H.

Stream Conditions

Old Cameron Run flows east towards Hooffs Run, which in turn flows south into Cameron Run and from there into the Potomac River. Over time, Cameron Run has been relocated and realigned to accommodate development and the construction and expansion of the Capital Beltway (Interstate 495) and the US Route 1 Interchange. However, the portion of the stream channel which falls within the project limits, designated as "Old Cameron Run," remains in the

original location. Old Cameron Run daylights one block west of the project limits, and is generally fed by surface runoff and drainage pipes from adjacent streets and properties. Several blocks north of the project site, the Hooffs Run channel includes two combined sewer overflow (CSO) outfalls.

The Fairfax County Stream Physical Assessment report, dated 2005, prepared for the Fairfax County Department of Public Works and Environmental Services did not review the stream conditions for the section of Old Cameron Run and Hooffs Run within the project area; however, nearby areas were identified as having "very poor" habitat conditions with deficient buffers. In the 2007 Cameron Run Watershed Management Plan prepared for the Fairfax County Department of Public Works and Environmental Services, the vast majority of water samples taken near the project area exceeded a geometric mean of 200 fecal coliform bacteria per 100ml of water. Almost one in four samples contained less than 4.0 mg/l of dissolved oxygen, considered to be the minimum standard for dissolved oxygen to sustain aquatic life.

Wetlands

A search of the United States Fish and Wildlife Service's (USFWS) National Wetlands Inventory (NWI) maps, and Federal Emergency Management Agency's (FEMA) Flood Insurance Rate Maps (FIRM) floodplain mapping along the study area identified the presence of waterways and associated wetlands within their floodplains. Although a formal wetland and stream delineation was not performed, wetland hydrology indicators as well as hydrophytic vegetation in association with the floodplain of Old Cameron Run was observed in the field. This observation indicates that the boundary of the wetland system may be more extensive than identified in the NWI maps; as such, a formal wetland delineation of the study area and jurisdictional determination should be performed to identify the actual boundary and to quantify the project impacts. Isolated wetlands are protected in the City by a 50' buffer.

Floodplains

The Federal Emergency Management Agency's (FEMA) Flood Insurance Rate Maps (FIRM) identifies portions of the project area to be within the 100-year floodplain, located within Zones AE and X. The current FIRM for this area shows a 100-year flood elevation of 12 feet above mean sea level, based on North American Vertical Datum (NAVD) 1988. The two alignments studied remain above that elevation for most of their length. However, the tie-in point at the existing trail on the east side of Hooffs Run is at approximately elevation 10, thus the trail may need to be closed periodically at that location during high water events.

Given that elevation of the connection point on the east side of Hooffs Run, a formal hydraulic study meeting City and VDOT requirements will be required for a

bridge connection at this location. Both the City and VDOT will require that the study demonstrate no rise in the 100-year flood elevation.

Resource Protection Areas

The project is located within the Chesapeake Bay Preservation Areas, including the Resource Management Area (RMA) and 100' Resource Protection Area (RPA) buffer. All areas of the project not located in the RPA will be located in the RMA. Furthermore, intermittent streams and isolated wetlands are protected in the City by a 50' buffer; as such stormwater management and erosion and sediment controls will be necessary to ensure protection of the adjacent streams and channels. The encroachment types must be identified by the design team, materials selected to be sensitive to water quality issues, and a Water Quality Impact Assessment must be prepared for approval by the City/County.

Soils

The existing soils generally consist of silty and sandy loam material with drainage and infiltration properties varying from poorly-drained to well-drained. Portions of the project area between Hooffs Run Drive and Hoff's Run are located on fill material atop a previous landfill which must be considered during the design process with regard to contaminated materials or disturbance of the landfill cap or lining.

Based on information from the adjacent AlexRenew site development projects, the soils' structural characteristics are generally unfavorable. Most structures and underground pipes over 24-inches in diameter are pile supported. A thorough geotechnical evaluation will be required for pedestrian bridges, boardwalks, pavements, and stormwater management facilities.

Additionally, in areas within and adjacent to the VDOT Right-of-Way along I -495, soil stabilization areas should be confirmed to ensure that the construction activities maintain the structural integrity of the elevated interstateinterchange.

Threatened and Endangered Species

The Virginia Department of Conservation and Recreation's (VDCR) Division of Natural Heritage Biotic Data System was reviewed for occurrences of natural heritage resources within the study area. While biotics were present in the general area, further analysis using the Virginia Department of Game and Inland Fisheries' (VDGIF) Fish and Wildlife Information System documented that there were no threatened or endangered species located within two miles of the project area; however, recent updates to the US Fish and Wildlife database indicate that the Northern Long-Eared Bat is believed or known to occur in Alexandria.

A search of the Center for Conservation Biology's Bald Eagle Nest Database determined that there was one nest in the vicinity of the project area, it is located slightly over 660 feet from Hooffs Run. Given that the proposed project is

anticipated to span this waterway, additional agency review and coordination will be required.

Cultural Resources

The Virginia Department of Historic Resources' (VDHR) V-CRIS database was searched for previously identified cultural resources (archaeological and architectural) within or adjacent to the project area. Although no cultural resources were identified within the study area, it has been determined that six surveys have been previously conducted adjacent to the project study area.

Federal aid is likely for this project; as such, compliance with Section 106 of the National Historic Preservation Act of 1966, and coordination with the City of Alexandria Archaeology Department, the Virginia Department of Historic Resources, and appropriate federal agencies will be required during the design phase of the project.

Waters of the United States

If the design of the trail will impact jurisdictional waters or wetlands of the United States, formal coordination and effect determination will be required from the US Army Corps of Engineers, Virginia Department of Environmental Quality, and the Virginia Marine Resources Commission.

Hazardous Waste Sites

A review of federal and state government websites and databases regarding registered hazardous waste sites regulated under RCRA, CERCLA, National Priority List (NPL), CERCLIS, the Facility Index System (FINDS), Emergency Response Notification System (ERNS), State Priority List, Underground Storage Tank (UST) Registry, Spill Reports, and Solid Waste Facility Information identified 44 occurrences within a 0.5 mile study area. The area is also confirmed by the City's "Contaminated Lands Map" as being an old landfill and historic swamp. A more detailed sampling assessment should be anticipated during the project and specification development to identify potential materials that may be encountered. Additionally, the project is located within areas of a former landfill and as such methane gas and potential hazardous waste could be encountered.

2.5 Utilities

The project site is located within areas of existing sanitary sewer, storm sewer, telephone, electric, and water utilities. Drainage pipes and roof drains extend from the Hoffman Town Center property into the Old Cameron Run Channel. Medium and high voltage power lines also run above portions of the proposed trail alignment, including low-hanging 230kV power lines.

There are also a number of critical existing utilities related to the AlexRenew Facility that traverse the project corridor. The alignment also runs parallel to the underground soil gas collection system associated with the Nutrient Management

Facility on the west side of Hooffs Run, and one of the plant's main influent sewer lines crosses the trail just west of Hooffs Run. A sewer junction structure is situated just south of the trail at this location. A map of existing utility locations is provided in Appendix G.

2.6 Nearby Attractions and Destinations

The proposed trail runs parallel to Eisenhower Avenue between Eisenhower East and Southwest Quadrant and will serve as a connection to the Eisenhower Avenue Metro Station, the Hoffman Town Center, the proposed athletic field atop the AlexRenew Nutrient Management Facility, and the existing South Payne Street trail and the Alexandria National Cemetery. The possible trail extension north along Hooffs Run would provide connections to Holland Lane and the African American Heritage Memorial Park.

3.0 Design Criteria:

3.1 Design Guidelines

The primary resources utilized for the trail development were Chapter 5 of the "Guide for the Development of Bicycle Facilities, 2012," by the American Association of State Highway and Transportation Officials (AASHTO) and the Share Use Path Design Criteria included in Appendix A of the Virginia Department of Transportation (VDOT) Roadway Design Manual. These references provide information on geometric and design guidance to provide an acceptable level of safety and functionality based on the type of facility and user. The type of facility proposed for the Old Cameron Run Trail is a "shared-use path."

As depicted in Figure 1, the minimum width of a shared use path accommodating traffic in two directions is 10-feet. In cases of obstruction clearance or low bicycle or pedestrian volumes, an eight foot minimum width can be utilized. Wider trails (11' to 14' wide) are recommended for locations that are anticipated to serve a high percentage of pedestrians and a high user volume (i.e. more than 300 users in the peak hour.) A minimum of 2-feet of separation is also required between the edge of the trail and post-mounted signs, landscape plantings, or other trailside obstacles.

Other elements of the geometric design of the shared use path are based on design speeds for the average bicyclist. Elements such as sight distance, vertical curve length, and grade were designed to adequately accommodate a user operating at the design speed. A design speed of 18 mph is adequate for most paths, but special consideration was given to the terrain where hilly conditions are encountered, such as along the western descent from the AlexRenew Facility to the bridge across Hooffs Run.

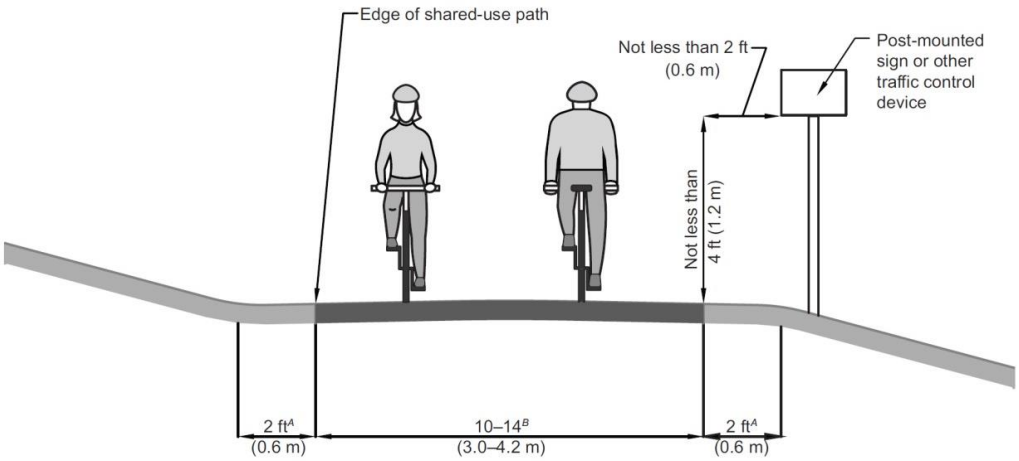

Figure 1: Typical Cross Section of Two-Way, Shared Use Path on Independent Right-of-Way (Figure 5-2, AASHTO Guide for the Development of Bicycle Facilities, 2012)

4.0 Concept Design & Alternatives Analysis:

4.1 Typical Sections

The Old Cameron Run Trail shared-use path was developed based upon a 10-foot wide, two-way cross-section, as shown in Figure 1 above. This trail width represents the minimum acceptable width for an unconstrained trail. The user volumes are not anticipated to exceed three hundred users in the peak hour period; as such, a wider trail was not pursued.

Consistent with the AASHTO Guide for the Development of Bicycle Facilities, a minimum of 2-feet of separation is proposed between signs, retaining walls, and shallow swales; a 1-foot to 2-foot separation is proposed between boardwalk and bridge railings and the trail where possible. If the project will be administered by VDOT, some waivers may be appropriate to limit physical and environmental impacts. The four typical cross-sections for the Old Cameron Run Trail are provided below as Figures 2 through 5.

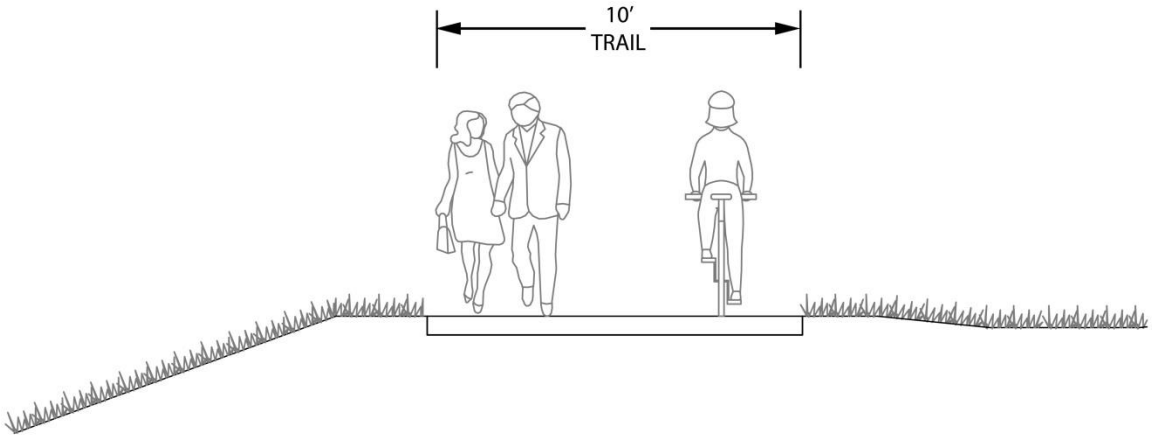

Figure 2: Typical Old Cameron Run Cross Section

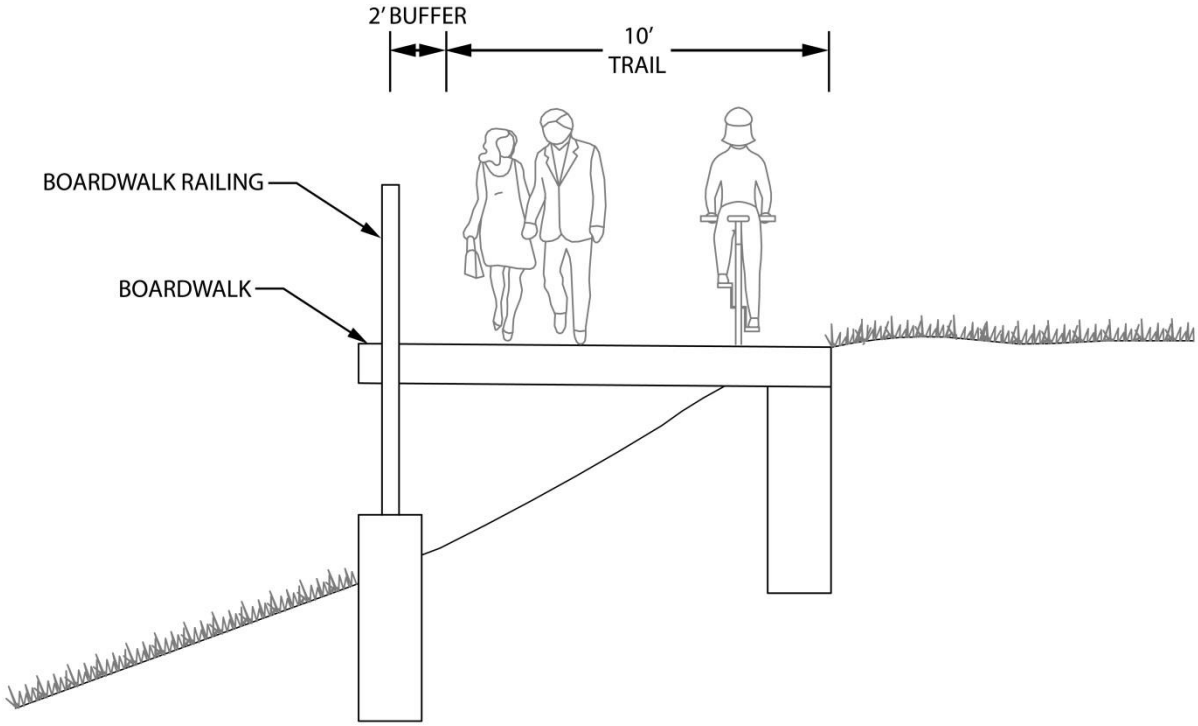

Figure 3: Typical raised Old Cameron Run Cross Section with Boardwalk

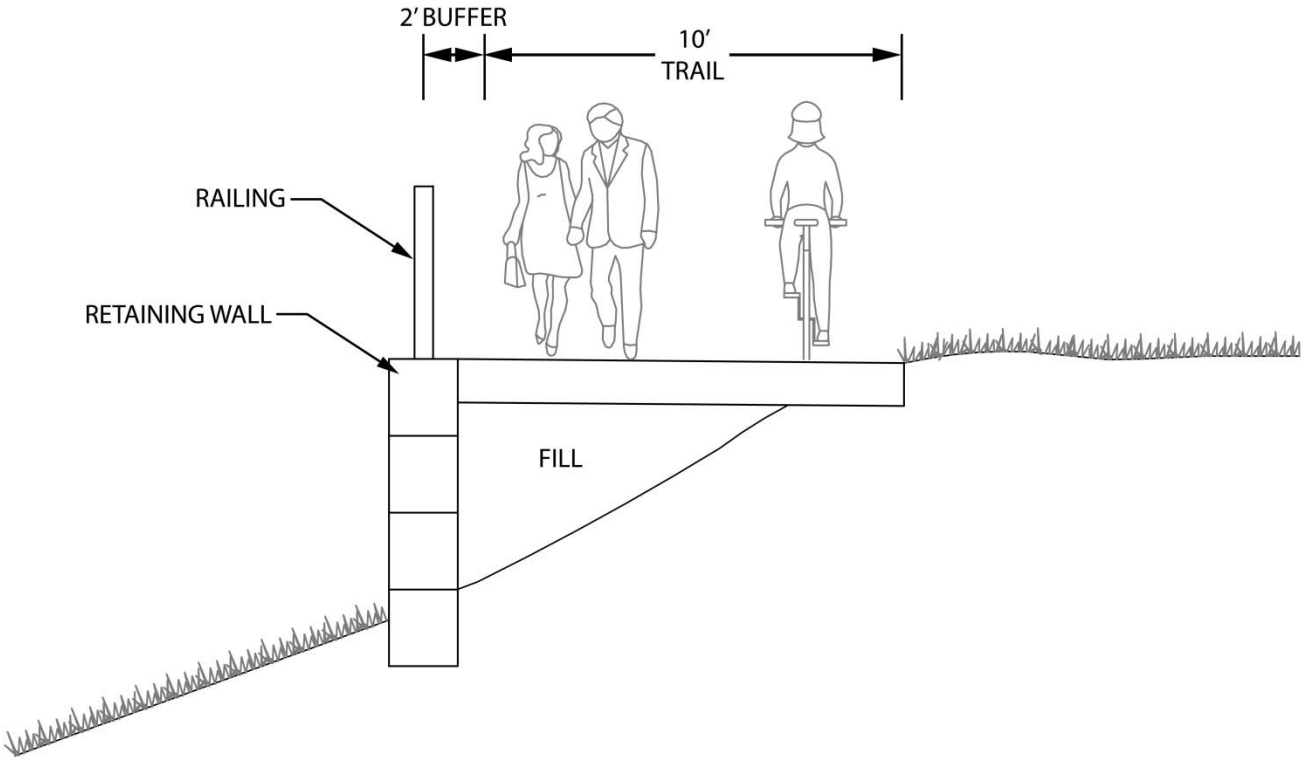

Figure 4: Typical raised Old Cameron Run Cross Section with Retaining Wall

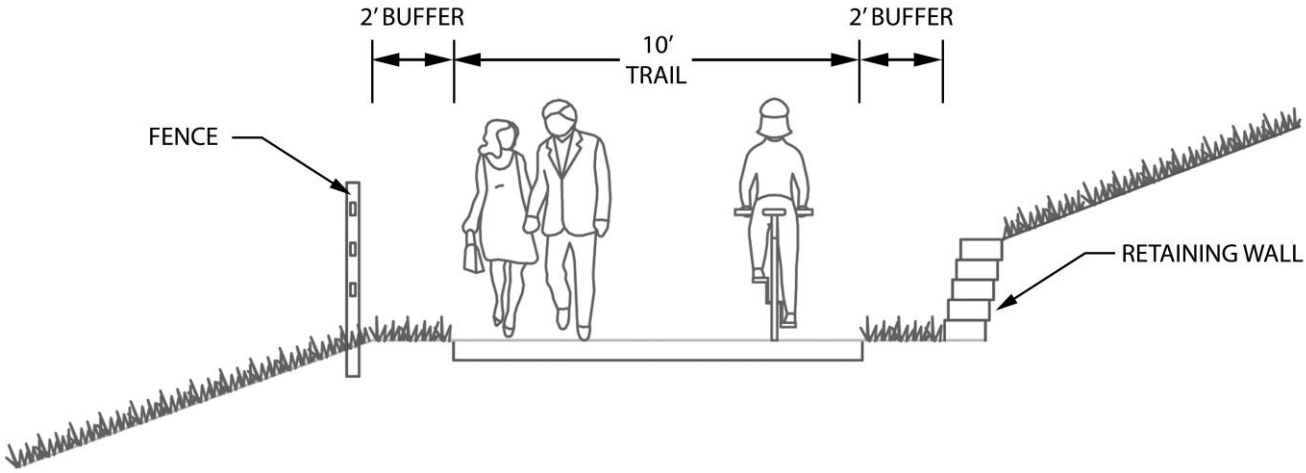

Figure 5: Typical Old Cameron Run Cross Section in cut condition with Retaining Wall

4.1 Pavement Design

Pavement design was not evaluated as a part of this study. Pavement and subbase material thicknesses should be determined during the future design phase of the project, based on the findings of the geotechnical investigation,

VDOT standards. Designers should coordinate with the City, VDOT, and Dominion Virginia Power to determine the need for vehicular access along the trail, and select an appropriate design vehicle.

4.2 Alignment Alternatives

Two trail locations were considered during the design development as depicted in the Concept Plans included in Appendix D. Both alternatives follow an alignment along the Old Cameron Channel and connect to the existing trail at the eastern project limits. The location of the trail on either the northern or southern side of the channel is the main varying factor in the design alternatives.

At the western project limits, an alignment along the southern side could utilize the existing flat area and stabilized emergency accessway along the Carlyle Mill apartment complex to limit grading impacts and provide direct trail access for the apartment complex. However, this alignment would need to cross to the northern side of the channel at the Detention Center property line. An alignment along the northern side would not require a bridge crossing at the western end, but would be constructed atop a steep slope which could necessitate retaining walls or a boardwalk design. Given the poor soil conditions in the area, it is anticipated that subsurface support systems such as piles, micro piles, etc. will likely be necessary for the boardwalk, retaining wall, and bridge designs.

In the middle of the project area, at Hooffs Run Drive and Truesdale Drive, the trail alignment could follow the current Truesdale Drive alignment (prior to its relocation) and be constructed as a standalone shared-use trail, or alternatively the trail could briefly join Truesdale Drive as a shared-road design. This section of roadway is very low volume serving only the Detention Center, so a shared-road design could be implemented to reduce the project cost.

The eastern portion of the trail alignment would follow the 10’ area “reserved for future city use” shown on the AlexRenew plans, although the width of the access rights must be coordinated with the Sanitation Authority to ensure that the trail and buffer spaces can be maintained. At the eastern end of the reserved right-of-way, the trail must descend into the stream channel as an at-grade trail to ensure that Dominion Virginia Power’s maintenance access to the existing utility lines and poles/towers within this area is not impaired. Regrading will be required in this area to provide a maximum trail slope of 5% to ensure ADA compliance and a comfortable grade for bicycling. Alternatively the design team may construct a boardwalk between the former landfill area and the proposed bridge to avoid disturbing potential contaminated soils within the AlexRenew property.

A bridge will then be required to cross Hooffs Run stream. This bridge will likely be located within the floodplain (100-year storm area); as such a Hydraulic & Hydrologic (H&H) study will be necessary to model the stream flow. An

assessment of existing overhead electric lines must also be considered with possible relocation of the overhead lines to underground. The bridge would connect to the southwest corner of the existing treatment plan property where an existing trail currently terminates.

4.3 Alternatives Analysis

Each alignment was developed to minimize impacts, maximize accessibility to adjacent destinations and land uses, and address the challenges of grading, drainage and hydraulics. Alternative 1 along the north side of the Old Cameron Run Channel is shorter than Alternative 2 by approximately 35 feet and includes a combination of boardwalks, paved trail sections, and one bridge. Alternative 2, located initially along the south side of the Old Cameron Run Channel then crossing the Channel to the north side, includes paved trail areas and two bridges. Alternative 1 is located along a portion of steep slopes necessitating a boardwalk construction whereas Alternative 2 is located on private property in a generally flat area. Alternative 1 provides a slightly shorter and more direct connection to various western destinations (including the existing Eisenhower Avenue roadside trail) whereas Alternative 2 provides direct connections to the existing Carlyle Mill apartment complex.

4.4 Cost Estimate

An order of magnitude cost estimate was developed for the two alternative alignment improvements based on an aerial and existing plan review as well as a visit to the project area. Cost estimates for these linear improvements were developed by based on a review of potential improvements and establishing a unit cost price for anticipated improvements. Cost estimates considered the significant construction items (e.g. pavement, boardwalks, bridges, retaining walls, waysides, etc.) Unit prices for construction items were established based on VDOT historical bid prices and the estimator's experience and judgment. The cost estimate also included a 25% contingency. Not included in this estimate are the costs for signals, right-of-way, survey, easements, and insurance. Although quantities and unit prices were developed for each estimate, a fluctuation in quantities and bid prices can be expected as the level of design progresses. Actual construction costs will be determined following final design; as such, the costs at this level of review are budgetary in nature and are typically accurate within +/- 30%.

The probable construction cost for the two trail alignment options is estimated at $5.66 million for Alternative 1 and $5.04 million for Alternative 2. A detailed cost estimate is provided in Appendix C.

5.0 Conclusions:

5.1 Preferred Alternatives

Alternative 2 provides a lower impact design opportunity based on grading and hydraulic/floodplain analysis and permitting as well as constructability and maintenance issues; however, Alternative 2 does require additional property owner coordination and bridge construction compared with Alternative 1. This alternative also provides access directly to the existing Carlyle Mill residential property. Alternative 1 would provide a more direct connection toward the intersection of Eisenhower Avenue and Mill Road, but requires additional boardwalk construction and mobilization/construction considerations compared with Alternative 2.

5.2 Key Design Considerations

The following key design considerations have been identified for further investigation during the design phase of the project:

1. **Right-of-Way**: Early in the design process, designers should revisit the status of adjacent development projects, and engage adjacent property owners as needed to ensure that the City has the appropriate land rights to construct, operate, and maintain the trail. There are also a number of areas where is may be possible to officially vacate existing easements within the dedicated area for the trail. We recommend working with the adjacent landowners to identify those encumbrances that can be vacated, and ensure they are properly vacated. It is worth noting that

2. **Topographic Survey**: Due to the steep, heavily wooded slopes within the project corridor, a field-run topographic survey (as opposed to an aerial survey) is recommended to provide the necessary design accuracy. During past construction projects in the vicinity, it has also been noted that several of the survey benchmarks in this area have experienced ground settlement, and may no longer be accurate. Surveyors should use caution when setting survey control to ensure the accuracy of vertical elevations.

3. **Environmental Conditions**: As noted above, the entire trail alignment falls within a Resource Protection Area, and wetlands and waterways may be impacted where the trail approaches the stream channels. Formal wetland delineation will be necessary in order to identify and mitigate impacts. In addition, hydraulic analyses will be required for the proposed bridge at the confluence of Old Cameron Run and Hooffs Run. It should be noted; however that Hooffs Runs a man-made channel within the project area, and permitting for impacts may be treated differently by certain regulatory agencies, such as the Virginia Marine Resources Commission. The design team should also review previous hydraulic studies, such as the Hooffs Run Bridge Hydraulics report prepared for the new bridge crossing for the AlexRenew property and other studies available from the County.

Water quality conditions may also necessitate use of a railing, fence, or other barrier to prevent access to the stream until water quality can be improved. Designer's should work with the City to obtain nearby water quality test results to determine the need for such measures.

Federal aid is likely for this project; as such, a NEPA review will be required. A Blanket Categorical Exclusion (BCE) was completed and distributed in June 2015 which can be utilized during the permitting process.

4. **Foundation Conditions**: Soil conditions in the project area are generally poor with respect to structural foundations. Designers should perform a thorough geotechnical analysis to determine the need for pile supported foundations for structures and retaining walls. Due to the potential for contamination and adverse impacts to sensitive environmental features, designers should consider foundation and structural systems that require minimal excavation, such as micro piles or helical piles and retaining walls that con be constructed from the top down

5. **Existing Utilities:** There are two locations near the confluence of Old Cameron Run and Hooffs Run where coordination with existing utilities is critical. The first is at the location where the trail crosses the existing large-diameter pile-supported sewer lines and junction box that serve as the main influent lines to the AlexRenew Treatment Facility. Trail designers should strive to set the trail alignment so that it avoids crossing directly over the junction structure, portions of which are above grade. In addition, it may be necessary to take special precautions during construction to avoid damaging the lines.

   The second critical utility area is the west end of the pedestrian bridge over Hooffs Run. There are a number of low-hanging power lines in this area that may not have enough ground clearance to allow the bridge to pass under them while maintaining the required clearances from the conductors. The design team should perform a survey of the elevation of the lines to determine how much the lines sag under hot summer conditions and heavy electrical loads. If required clearances cannot be met, relocation or undergrounding of the lines will be necessary. The design team should coordinate with the individual utility owners to address any necessary utility modifications or design changes.

   The design team should also identify the location or locations for power supply for the lighting system. The proposed lighting system should be designed taking into account that flooded conditions can exist along various portions of the trail.

6. **Stormwater Management:** It is anticipated that land disturbance will exceed 1 acre; as such, stormwater and erosion control requirements will need to be met under the Virginia Stormwater Management Program

(VSMP) regulations and a NPDES General Construction Permit will be required. The project is under Technical Criteria Part IIB of the VSMP requirements; as such the water quality and quantity requirements should follow the Part IIB criteria. A site-specific stormwater pollution prevention plan (SWPPP) will need to be developed as part of the project design, and a construction general permit obtained as part of the permitting process. This will include, at a minimum, an approved erosion and sediment control plan, approved stormwater management plan, and a pollution prevention plan.

If the impervious areas are increased, the design team will be required to provide BMP's designed to the new VDEQ and City standards. Pervious pavement should be considered to ensure that impervious areas are not increased as part of the project.

7. **Maintenance:** For the purposes of this study, existing emergency and utility access is anticipated to be maintained. Maintenance vehicles are anticipated to be permitted to utilize portions of the trail, but are not expected to access the boardwalk or bridge. The design team must confirm these assumptions, address access for maintenance vehicles on the trail where necessary, and physically restrict access where appropriate.

5.3 Next Steps

Following acceptance of the work completed as part of this feasibility study, the City of Alexandria should use the supporting documentation to pursue local, State and Federal grant funding, as well as and appropriate necessary local matching funds.

When funds have been identified for the entire corridor, a design consultant can be selected to assist the city and provide preliminary and final design services, detailed final cost opinions, and bid and construction support. The design process can be expected to take approximately one year for the entire corridor, though project permitting and right-of-way acquisition could affect this anticipated timeline. Construction of this trail can likely be completed with a ten to twelve month construction schedule.

Appendices

Appendix A: Photographs

Appendix B: Location Map

Appendix C: Conceptual Cost Estimate

Appendix D: Concept Design Plan Set

Appendix E: Existing Property Owner Map

Appendix F: Existing Easement Map

Appendix G: Existing Utility Map

Appendix H: Natural and Cultural Resources Technical Memorandum

Appendix A:

Photographs

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Photo 1: Parking garage at top of stream bank on northern side.

Photo 2: Parking garage along top of retaining wall and culvert on northern side.

Photo 3: Apartment complex at the top of stream embankment looking east

Photo 4: Apartment complex at the top of stream embankment looking west

Photo 5: Correctional Facility along southern side as seen from northern side

Photo 6: Hooffs Run Drive and Truesdale Drive looking southeast to new treatment plant

Photo 7: Limerick Street and Hooffs Run Drive looking southeast to treatment plant

Photo 8: Existing trail along I-495 and treatment plant looking west

Appendix B:

Location Map

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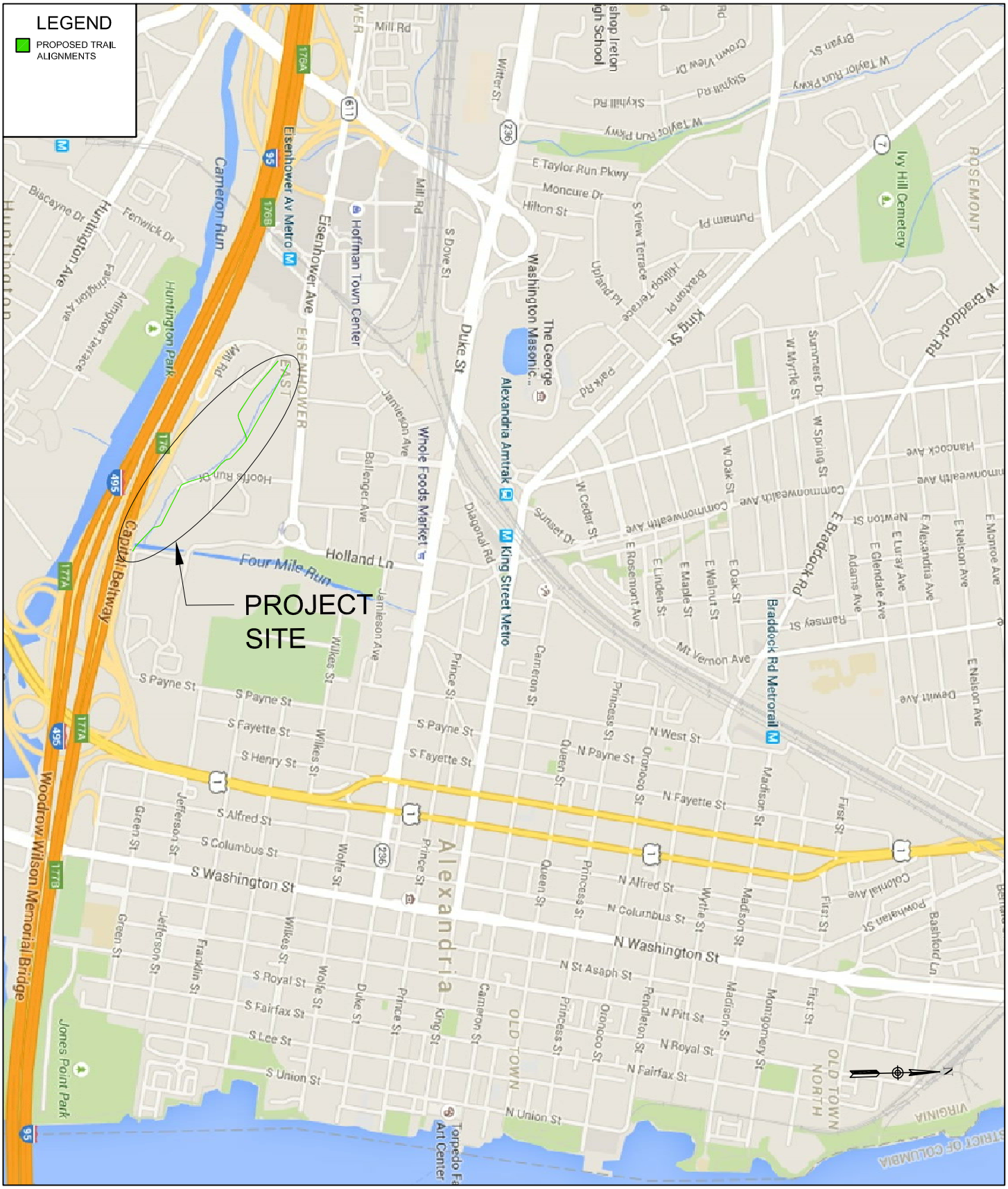

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OLD CAMERON RUN TRAIL
LOCATION MAP

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PREPARED: MNM
CHECKED: MAK
DATE
October 30, 2015

SHEET NUMBER
1 OF 1

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Appendix C:

Conceptual Cost Estimate

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Old Cameron Run Trail
Conceptual Trail Design Alternative 1
Description: Proposed trail along north side of Old Cameron Run

Trail Length: 2825 lf (.54mi)

Item	Qty	Units	*Unit Price	Total Price
4" Solid White/Yellow Paint	1,100	LF	$4.00	$ 4,400
4" Dashed White Paint	423	LF	$4.00	$ 1,700
Pavement Marking Legends	4	LF	$300.00	$ 1,200
12" Solid White Rumble Strip (Thermo)	60	LF	$6.50	$ 400
Thermoplastic Pavement Marking Symbol	10	EA	$250.00	$ 2,500
Trail Signage	8	EA	$250.00	$ 2,000
Concrete Curb	250	LF	$35.00	$ 8,800
Install Concrete Sidewalk	278	SY	$42.00	$ 11,700
Chainlink Fence Removal and Installation	600	LF	$35.00	$ 21,000
Endwall	3	EA	$1,250.00	$ 3,800
Class 1 Excavation	713	CY	$25.00	$ 17,800
Contaminated Material Excavation and Removal	540	CY	$70.00	$ 37,800
Borrowed Fill	394	CY	$40.00	$ 15,800
Aggregate Base Course	428	CY	$60.00	$ 25,700
Intermediate mis 12.5 mm Pervious Asphalt	565	TONS	$75.00	$ 42,400
Pile-Supported Boardwalk	3,780	SF	$250.00	$ 945,000
GeoGrid Block Retaining Wall	1,550	SF	$100.00	$ 155,000
Bridge	2,338	SF	$300.00	$ 701,400
3" Underdrain pipe (for trail)	2,310	LF	$6.00	$ 13,900
Geotextile Class "C" Filter Cloth	2,567	SY	$3.00	$ 7,700
Top Soil-Furnished and Placed	1,540	SY	$4.00	$ 6,200
Clearing & Grubbing	1	LS	$15,000.00	$ 15,000
Wayside Rest Area	2	EA	$3,000.00	$ 6,000
Stream Restoration	1	LS	$100,000.00	$ 100,000
Relocated Parking Lot Lighting	6	EA	$8,000.00	$ 48,000
			Subtotal	$ 2,195,000
Drainage & E&S (High - 10%)	1	LS	$ 219,500	$ 219,500
Maintenance of Traffic (Low - 5%)	1	LS	$ 109,800	$ 109,800
Lighting & Power Supply (Low - 5%)	1	LS	$ 109,800	$ 109,800
Landscaping (Medium - 5%)	1	LS	$ 109,800	$ 109,800
Utility Modifications**	1	LS	$ 500,000	$ 500,000
Temporary Construction / Mobilizaton (5%)	1	LS	$ 109,800	$ 109,800
			Subtotal	$ 3,354,000
			Construction Contingency (25%)	$ 839,000
			Subtotal	$ 4,193,000
Inspection (10%)	1	LS	$ 419,300	$ 419,300
Engineering / Permitting (25%)	1	LS	$ 1,048,300	$ 1,048,300
			Subtotal	$ 5,661,000
			Total Estimated Construction Cost (Alt. 1)	$ 5,661,000

* Unit prices are based on historical bid pricing from VDOT and Estimator's Judgment.

** Utility costs includes an estimated cost to potentially relocate electric utilities from above ground to below ground.

Right-of-Way costs are not included in this estimate.

Old Cameron Run Trail
Conceptual Trail Design Alternative 2
Description: Proposed trail along south side & north side of Old Cameron Run

Trail Length: 2825 lf (.54mi)

Item	Qty	Units	*Unit Price	Total Price
4" Solid White/Yellow Paint	1,100	LF	$4.00	$ 4,400
4" Dashed White Paint	431	LF	$4.00	$ 1,700
Pavement Marking Legends	4	LF	$300.00	$ 1,200
12" Solid White Rumble Strip (Thermo)	60	LF	$6.50	$ 400
Thermoplastic Pavement Marking Symbol	10	EA	$250.00	$ 2,500
Trail Signage	8	EA	$250.00	$ 2,000
Concrete Curb	250	LF	$35.00	$ 8,800
Install Concrete Sidewalk	278	SY	$42.00	$ 11,700
Chainlink Fence Removal and Installation	600	LF	$35.00	$ 21,000
Endwall	3	EA	$1,250.00	$ 3,800
Class 1 Excavation	863	CY	$25.00	$ 21,600
Contaminated Material Excavation and Removal	540	CY	$70.00	$ 60,400
Borrowed Fill	113	CY	$40.00	$ 4,500
Aggregate Base Course	419	CY	$60.00	$ 25,100
Intermediate mis 12.5 mm Pervious Asphalt	704	TONS	$75.00	$ 52,800
Pile-Supported Boardwalk	1,080	SF	$250.00	$ 270,000
GeoGrid Block Retaining Wall	1,400	SF	$100.00	$ 140,000
Bridge	3,738	SF	$300.00	$ 1,121,400
3" Underdrain pipe (for trail)	1,648	LF	$6.00	$ 9,900
Geotextile Class "C" Filter Cloth	1,831	SY	$3.00	$ 5,500
Top Soil-Furnished and Placed	1,099	SY	$4.00	$ 4,400
Clearing & Grubbing	1	LS	$10,000.00	$ 10,000
Wayside Rest Area	2	EA	$3,000.00	$ 6,000
Stream Restoration	1	LS	$100,000.00	$ 100,000
Relocated Parking Lot Lighting	3	EA	$8,000.00	$ 24,000
			Subtotal	$ 1,913,000
Drainage & E&S (High - 10%)	1	LS	$ 191,300	$ 191,300
Maintenance of Traffic (Low - 5%)	1	LS	$ 95,700	$ 95,700
Lighting and Power Supply (Low - 5%)	1	LS	$ 95,700	$ 95,700
Landscaping (Medium - 5%)	1	LS	$ 95,700	$ 95,700
Utility Modifications**	1	LS	$ 500,000	$ 500,000
Temporary Construction / Mobilizaton (5%)	1	LS	$ 95,700	$ 95,700
			Subtotal	$ 2,987,000
			Construction Contingency (25%)	$ 747,000
			Subtotal	$ 3,734,000
Inspection (10%)	1	LS	$ 373,400	$ 373,400
Engineering / Permitting (25%)	1	LS	$ 933,500	$ 933,500
			Subtotal	$ 5,041,000
			Total Estimated Construction Cost (Alt. 2)	$ 5,041,000

* Unit prices are based on historical bid pricing from VDOT and Estimator's Judgment.

** Utility costs includes an estimated cost to potentially relocate electric utilities from above ground to below ground.

Right-of-Way costs are not included in this estimate.

Appendix D:

Concept Design Plan Set

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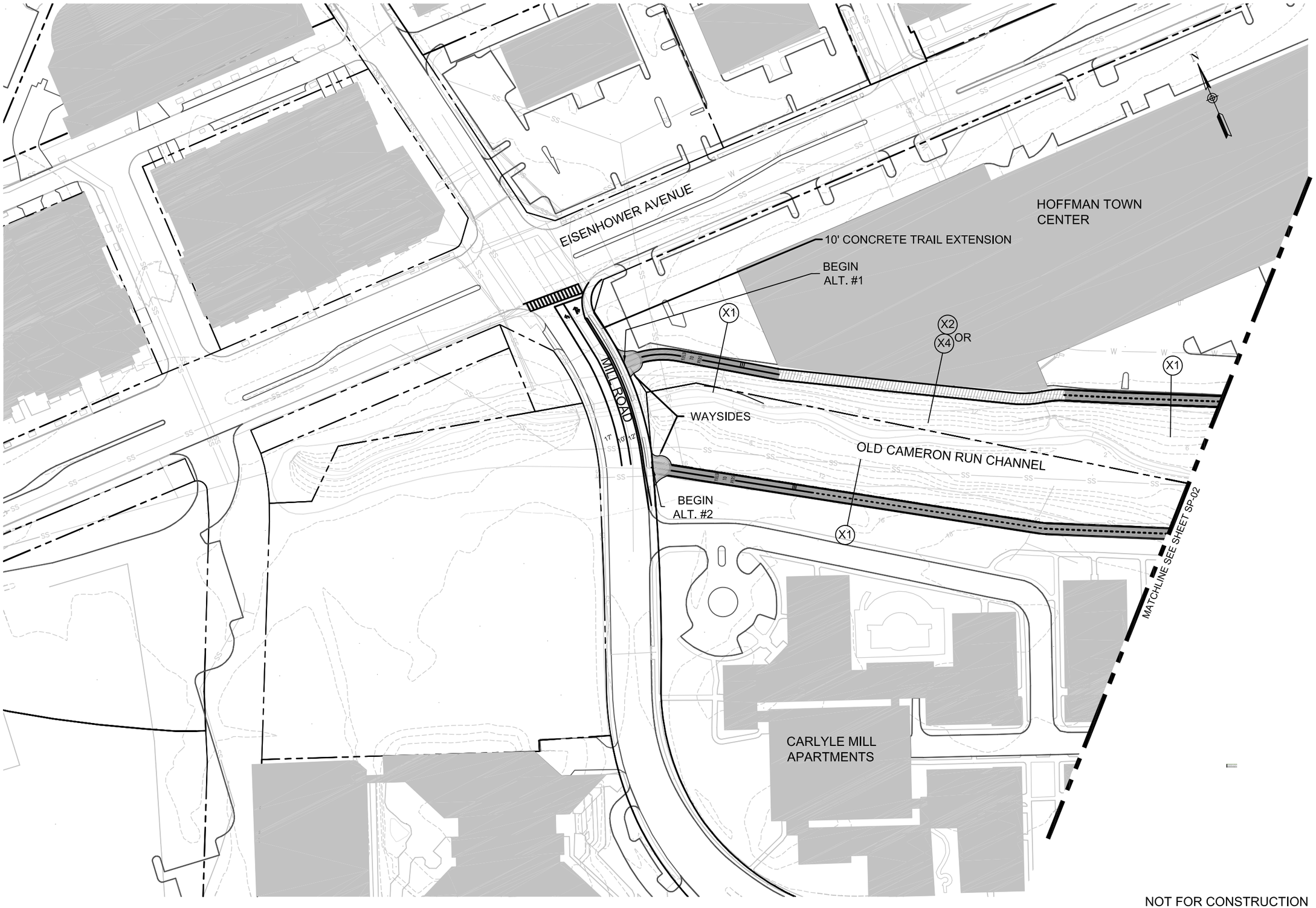

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CITY OF ALEXANDRIA
OLD CAMERON RUN
BIKE FACILITY DESIGN

0 25 50 100

PREPARED: CD
CHECKED: JAC

DATE
OCTOBER 30, 2015

REV 1 -
REV. 2 -
REV. 3 -

SHEET NAME
SITE PLAN

DRAWING NUMBER
SP-01

SHEET NUMBER
1 OF 4

HOFFMAN TOWN CENTER

HOFFMAN TOWN CENTER EAST

HOOFFS RUN DRIVE

LIMERICK STREET

ALEXRENEW

N

X2 OR X4

PROPOSED CURB LINE (APPROX.)

ALT. #2 TRAVEL LANES WITH SHARROWS

TRUESDALE DRIVE REALIGNED (APPROX.)

RETAINING WALL (TYP.)

X1

X3

WAYSIDE

OLD CAMERON RUN CHANNEL

ALT. #1 SEPARATED SHARED-USE TRAIL

END BRIDGE ALT. #2

X5

BEGIN BRIDGE ALT. #2

MATCHLINE SEE SHEET SP-01

MATCHLINE SEE SHEET SP-03

CITY OF ALEXANDRIA DETENTION CENTER

CARLYLE MILL APARTMENTS

EISENHOWER AVENUE EXIT RAMP

I-495 EAST ON-RAMP

I-495 WEST

I-495 EAST

LEGEND

- AT GRADE TRAIL
- BOARDWALK
- BRIDGE

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CITY OF ALEXANDRIA
OLD CAMERON RUN BIKE FACILITY DESIGN

0 25 50 100

PREPARED: CD
CHECKED: JAC

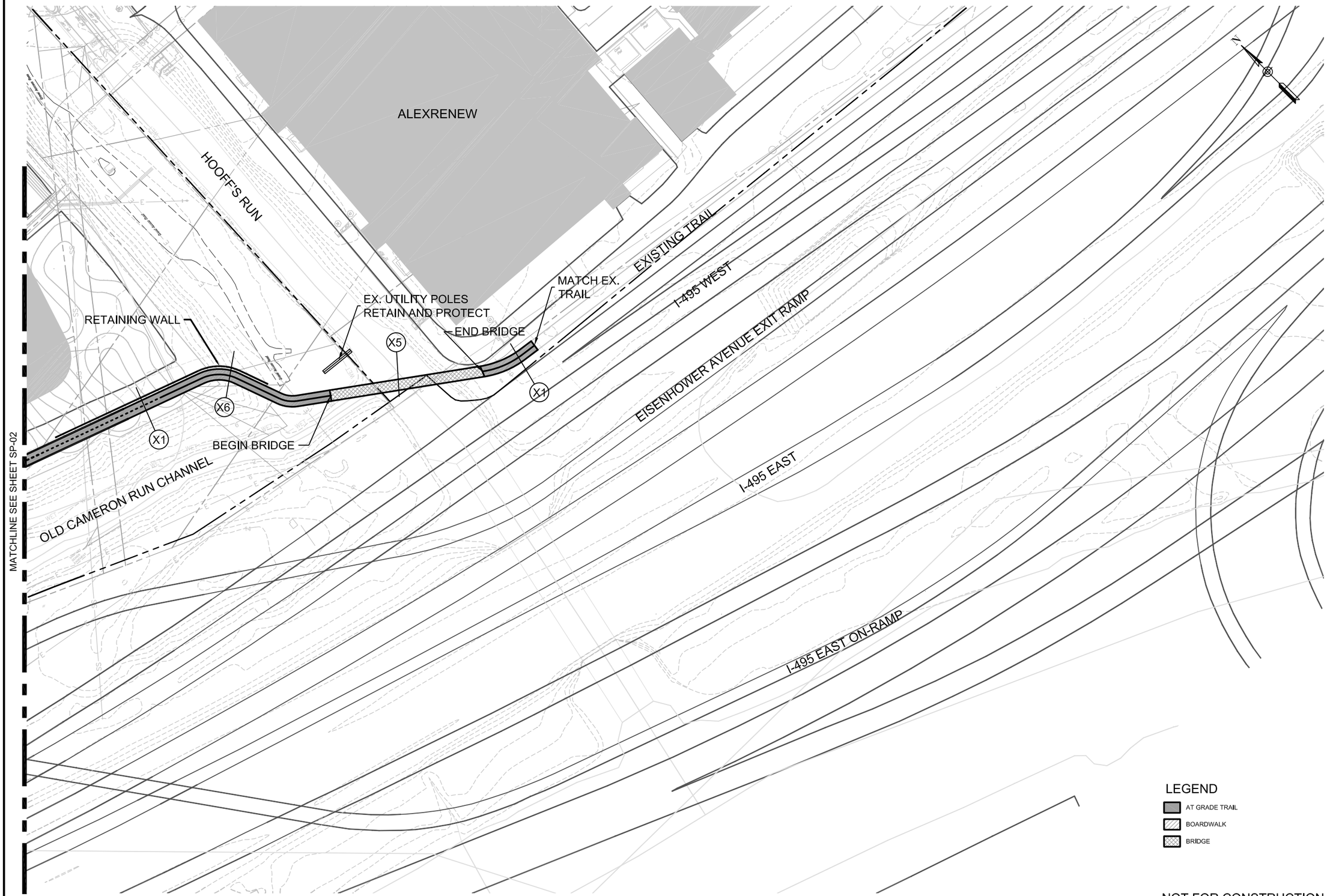
DATE
OCTOBER 30, 2015

REV 1 -
REV. 2 -
REV. 3 -

SHEET NAME
SITE PLAN

DRAWING NUMBER
SP-02

SHEET NUMBER
2 OF 4



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CITY OF ALEXANDRIA
OLD CAMERON RUN
BIKE FACILITY DESIGN

0 25 50 100

PREPARED: CD
CHECKED: JAC

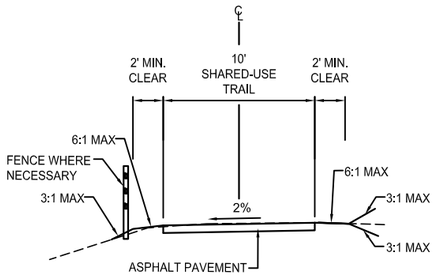
DATE
OCTOBER 30, 2015

REV 1 -
REV. 2 -
REV. 3 -

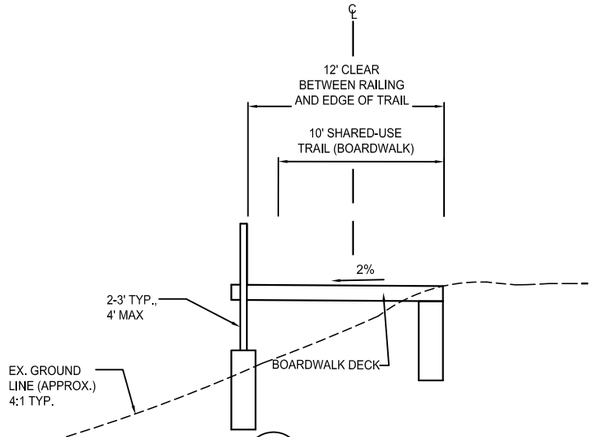
SHEET NAME
SITE PLAN

DRAWING NUMBER
SP-03

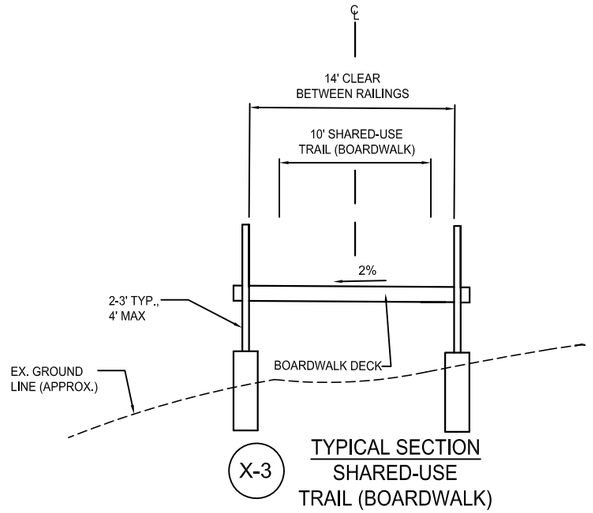
SHEET NUMBER
3 OF 4



X-1 TYPICAL SECTION SHARED-USE TRAIL (AT-GRADE)



X-2 TYPICAL SECTION SHARED-USE TRAIL (BOARDWALK)



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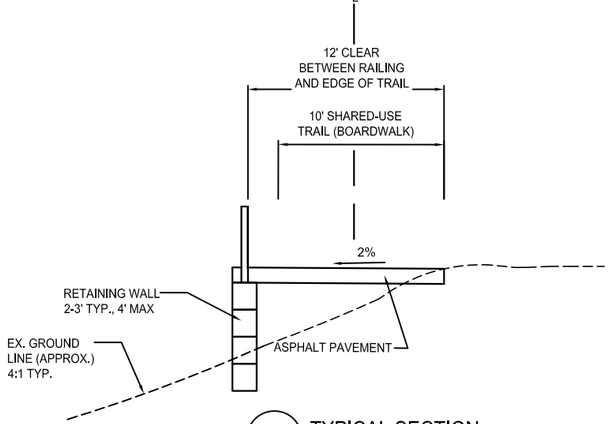
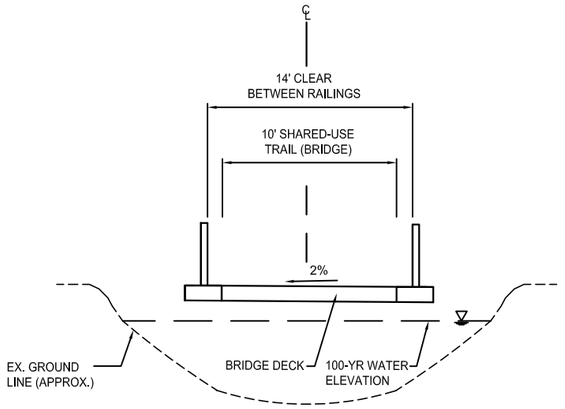
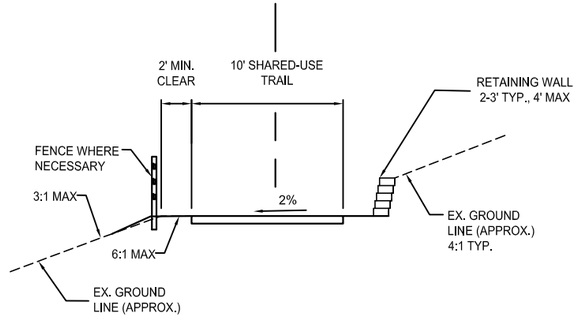


X-4 TYPICAL SECTION SHARED-USE TRAIL (AT-GRADE, RET. WALL)



X-5 TYPICAL SECTION SHARED-USE TRAIL (BRIDGE)



X-6 TYPICAL SECTION SHARED-USE TRAIL (BELOW GRADE, RET.WALL)

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OLD CAMERON RUN
BIKE FACILITY DESIGN

PREPARED: CD
CHECKED: JAC
DATE
OCTOBER 30, 2015
REV 1 -
REV. 2 -
REV. 3 -
SHEET NAME
TYPICAL SECTIONS
DRAWING NUMBER
TY-01
SHEET NUMBER
4 OF 4

Appendix E:

Existing Property Owner Map

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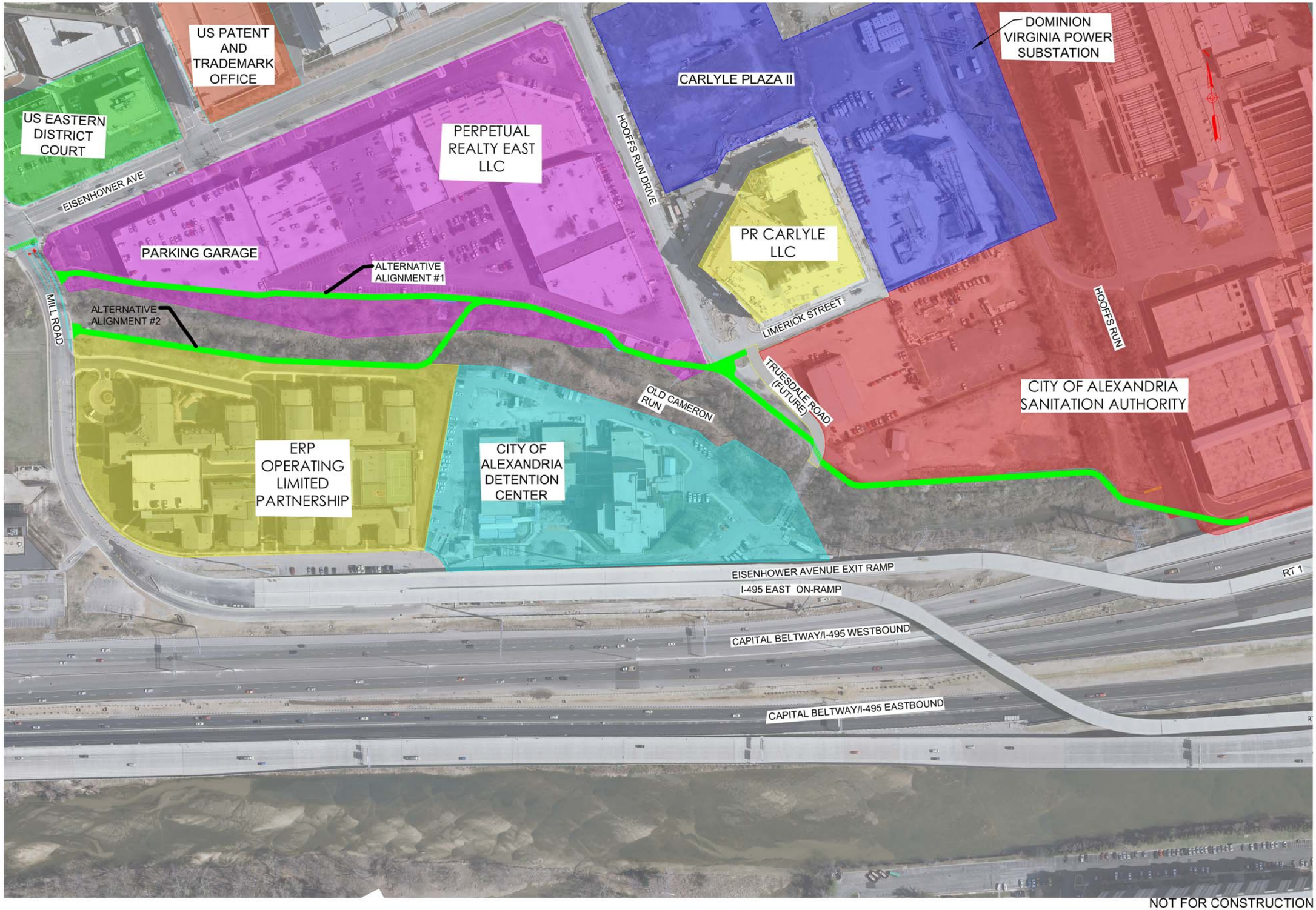

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CITY OF ALEXANDRIA
OLD CAMERON RUN
BIKE FACILITY DESIGN

0 50 100 200

PREPARED: CD
CHECKED: JAC
DATE
October 30, 2015
REV 1 -
REV. 2 -
REV. 3 -
SHEET NAME
EXIST. PROPERTY OWNERS
DRAWING NUMBER
EX-02
SHEET NUMBER
1 OF 1

Appendix F:

Existing Easement Map

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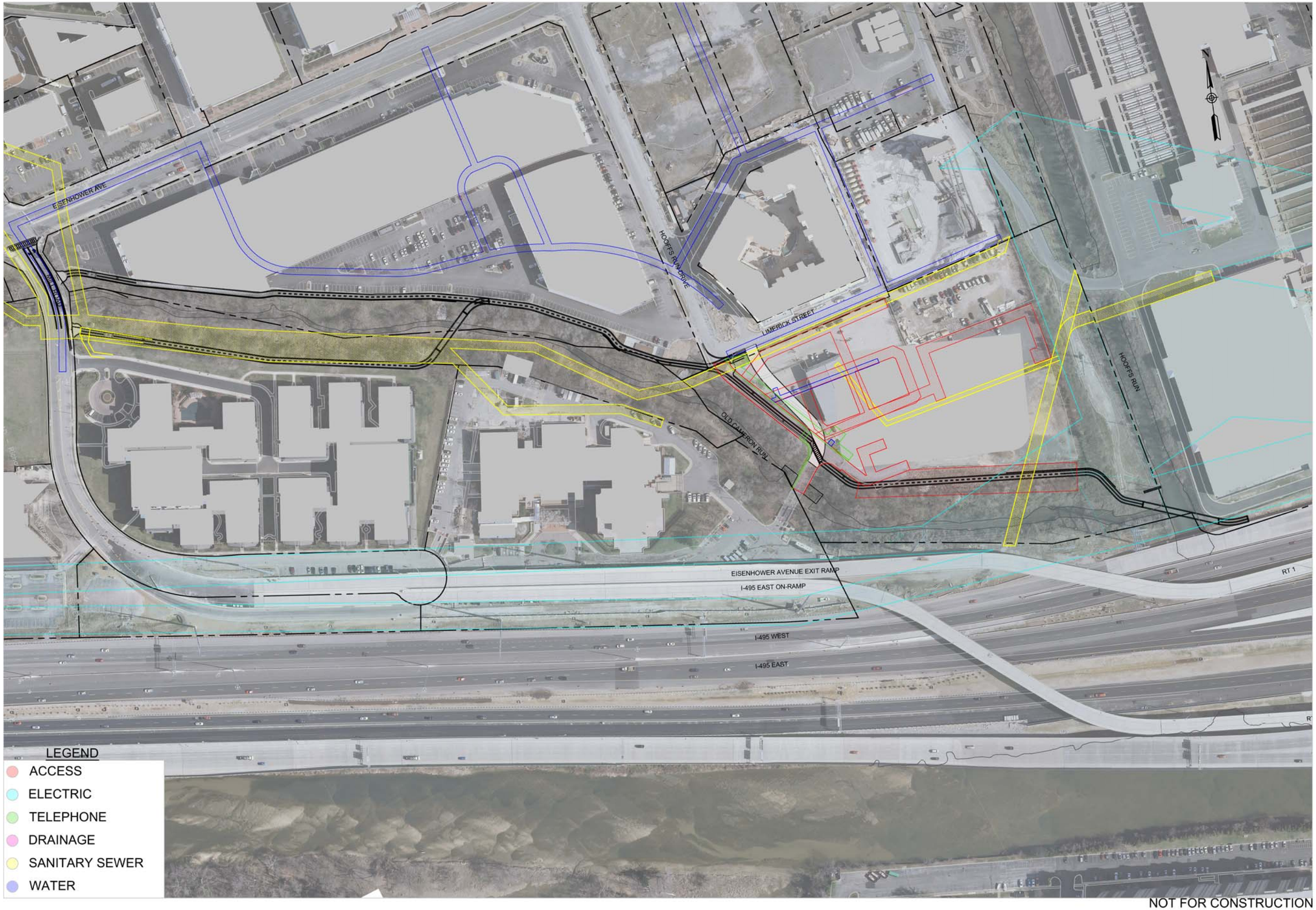

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CITY OF ALEXANDRIA
OLD CAMERON RUN
BIKE FACILITY DESIGN

0 50 100 200

PREPARED: CD
CHECKED: JAC

DATE
October 30, 2015

REV 1 -
REV. 2 -
REV. 3 -

SHEET NAME
EXISTING EASEMENTS

DRAWING NUMBER
EX-03

SHEET NUMBER
1 OF 1

Appendix G:

Existing Utility Map

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EISENHOWER AVE

HOOFFS RUN DRIVE

42" COMMONWEALTH INTERCEPTOR SEWER

60" HOLMES RUN SEWER

CONTROL STRUCTURE #12

LIMERICK STREET

HOOFFS RUN

72" INTERCEPTOR SEWER

OLD CAMERON RUN

JUNCTION STRUCTURE

EISENHOWER AVENUE EXIT RAMP

I-495 EAST ON-RAMP

I-495 WEST

I-495 EAST

RT 1

LEGEND

- GAS
- OVERHEAD ELECTRIC
- STORM SEWER
- SANITARY SEWER
- WATER

NOT FOR CONSTRUCTION

O:\RESOURCES\CAD_STANDARDS-WORKING\TDG Title Block\Toole Logo\TDG_txt_logomark_high.jpg

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CITY OF ALEXANDRIA
OLD CAMERON RUN
BIKE FACILITY DESIGN

0 50 100 200

PREPARED: CD
CHECKED: JAC

DATE
October 30, 2015

REV 1 -
REV. 2 -
REV. 3 -

SHEET NAME
UTILITY EXHIBIT

DRAWING NUMBER
EX-04

SHEET NUMBER
1 OF 1

Appendix H:

Natural and Cultural Resources

Technical Memorandum

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McCORMICK TAYLOR

TECHNICAL MEMORANDUM

TO: Toole Design Group

FROM: Francisco A. Metcalf – McCormick Taylor, Inc.

DATE: May 8, 2015 (Revised November 2, 2015)

RE: Old Cameron Run Trail Study – Natural and Cultural Resources Technical Memorandum

---

This Technical Memorandum summarizes the information gathered while performing a desktop review and site walkthrough of a study area that will accommodate the proposed Old Cameron Run Trail in the City of Alexandria, Virginia. The following desktop reviews were completed and a summary of findings and recommendations is included in this Technical Memorandum.

1. Virginia Department of Historic Resources' Virginia Cultural Resources Information System (V-CRIS) to identify the presence of archaeological and architectural resources present within and adjacent to the study area.
2. United States Fish and Wildlife Service's National Wetland Inventory Maps.
3. Federal Emergency Management Agency's Flood Insurance Rate Maps.
4. United States Department of Agriculture's Natural Resources Conservation Service Soil Survey.
5. Threatened and Endangered Species database reviews from the United States Fish and Wildlife Service, the Virginia Department of Conservation and Recreation, and the Virginia Department of Game and Inland Fisheries. A desktop review of the presence of eagle nests and nest buffer areas in relation to the study area was completed using the Center for Conservation Biology mapping tool.
6. Hazardous Materials desktop review and Environmental Radius Report.

Cultural Resources

The Virginia Department of Historic Resources' (VDHR) V-CRIS database was searched for previously identified cultural resources (archaeological and architectural) within or adjacent to the project area. Although no cultural resources were identified within the study area, it has been determined that six surveys have been previously conducted adjacent to the project study area.

If the proposed activities result in the impact to jurisdictional Waters of the United States, formal coordination and an Effect Determination from the VDHR may be required.

Attachment 1 presents V-CRIS database search findings.

McCORMICK TAYLOR

Wetland and Floodplain Information

A search of the United States Fish and Wildlife Service's (USFWS) National Wetlands Inventory (NWI) maps, and Federal Emergency Management Agency's (FEMA) Flood Insurance Rate Maps (FIRM) floodplain mapping along the study area identified the presence of waterways and associated wetlands within their floodplains (**Attachment 2**).

Specifically, the NWI map identifies Old Cameron Run and Four Mile Run as well as a palustrine forested wetland as being present within the study area boundaries. Old Cameron Run flows east towards Four Mile Run, which in turn flows south into Cameron Run and from there into the Potomac River. Although a formal wetland and stream delineation was not performed, during the site walkthrough, McCormick Taylor staff identified wetland hydrology indicators as well as hydrophytic vegetation in association with the floodplain of Old Cameron Run. This observation may indicate that the boundary of the wetland system is more extensive than identified in the NWI maps.

This conclusion is based on McCormick Taylor's professional judgment regarding the significance of the information gathered during the course of this study. Specifically, McCormick Taylor does not and cannot represent that all or any portion of the study area contains jurisdictional Waters of the United States, including wetlands, under Section 404 of the Clean Water Act, inasmuch as such legal determinations can be made only by authorized staff members of the United States Army Corps of Engineers (USACE).

Depending on the design of the proposed Old Cameron Run Trail, there is a potential for impacts to streams and wetlands. McCormick Taylor recommends a formal wetland delineation of the study area be completed and a jurisdictional determination be requested from the USACE in order to determine the actual upland/wetland boundary and to quantify unavoidable impacts to jurisdictional systems due to the proposed activities.

There are regulations for the preservation of the Chesapeake Bay area waters and wetlands, and legislation pertaining to Chesapeake Bay Preservation Act has been adopted by the City of Alexandria. Chesapeake Bay Preservation Areas include Resource Protection Areas (RPA) and Resource Management Areas (RMA). The most sensitive of the preservation areas are the RPAs and consist of:

- Tidal wetlands;
- Non-tidal wetlands connected by surface flow and contiguous to tidal wetlands or water bodies with perennial flow;
- Tidal shores; and
- A 100 feet buffer, located adjacent to and landward of the environmental features listed above (measured from the top of the bank of a perennial stream, landward, or from the edge of the features listed above).

Land development within an RPA is permitted only if it is water-dependent (e.g., docks, piers, public beaches, passive recreation facilities, water wells, and public utility structures) or constitutes redevelopment. All redevelopment must conform to applicable City of Alexandria stormwater management criteria and erosion and sediment control requirements.

RMAs include land that, if improperly used or developed, has a potential for causing significant water quality degradation or for diminishing the functional value of the RPA. Therefore, all lands in the City of Alexandria, not included in the RPA, shall constitute the RMA since all such land drains through natural or manmade conveyances to the Potomac River and Chesapeake Bay.

The RMA is intended to protect the integrity of the RPA. Any use, development, or redevelopment of land must meet all applicable stormwater management controls and all erosion and sediment controls to ensure protection of the adjacent RPA.

Threatened & Endangered Species

McCormick Taylor searched the Virginia Department of Conservation and Recreation's (VDCR) Division of Natural Heritage Biotic Data System for occurrences of natural heritage resources within the study area. While biotics were present in the general area, further analysis using the Virginia Department of Game and Inland Fisheries' (VDGIF) Fish and Wildlife Information System documented that there were no threatened or endangered species located within two miles from the project area.

A search of the Center for Conservation Biology's Bald Eagle Nest Database determined that there was one nest in the vicinity of the project area, it is located slightly over 660 feet from Hooff's (Four Mile) Run. If the proposed project spans this waterway or continues to the east of the waterway, then further agency review and coordination will be required.

Additional coordination with the USFWS, the VDGIF and VDCR should be conducted during the permitting phase of the project. Threatened and endangered species database search results are presented in **Attachment 3**.

Hazardous Materials

Information was obtained from federal and state government websites and databases regarding registered hazardous waste sites regulated under RCRA, CERCLA, National Priority List (NPL), CERCLIS, the Facility Index System (FINDS), Emergency Response Notification System (ERNS), State Priority List, Underground Storage Tank (UST) Registry, Spill Reports, and Solid Waste Facility Information.

The following table summarizes incidents/occurrences by database searched that are within 0.5 miles of the study area.

Database	Location	Distance from Site	Reported Date	Database	Location	Distance from Site	Status
ERNS	2461 EISENHOWER AVE.	0.33 mi W	10/27/2010	VA LUST	401 Holland Ln	0.14 mi N	Closed
	2218 KING STREET	0.67 mi N	7/18/2013		2324 Mill Rd	0.15 mi N	Closed
	JEFFERSON ST./ UNION ST.	0.82 mi E	1/24/2011		2318 Mill Rd	0.16 mi NW	Closed
	1400 NO ROYAL STREET	0.83 mi NE	11/18/2011		2001 Mill Rd	0.17 mi SE	Closed
	804 BASHFORD LANE	0.83 mi NE	5/30/2010		2380 Mill Rd	0.22 mi NW	Closed
	CAMERLN ST	0.96 mi NE	5/29/2010		2200 Fairfax Ter	0.28 mi SW	Closed
US Toxic Release Inventory	340 HOOFFS RUN DRIVE	0.24 mi SE	3/1/2000		400 Hooffs Run Dr	0.3 mi SE	Closed
US RCRA Generators	401 COURTHOUSE SQUARE	0.23 mi N	2/23/2010		2200 Fairfax Ter	0.31 mi SW	Closed
	330 HOOFFS RUN RD	0.23 mi E	3/1/2000		340 Hooffs Run Dr	0.32 mi E	Closed
	1725 DUKE ST STE 250	0.36 mi N	3/1/2000		425 Holland St	0.33 mi E	Closed
	200 STOVALL ST	0.38 mi NW	3/1/2000		2300 Duke St	0.33 mi N	Closed
	195 TELEGRAPH ROAD	0.49 mi NW	3/1/2000		401 Holland Ln	0.35 mi NE	Closed
	2300 DUKE ST	0.55 mi NW	3/1/2000		S Duke St and Dove St	0.37 mi NW	Closed
	2550 HUNTINGTON AVE	0.56 mi W	3/1/2000		401 Holland Ln	0.37 mi NE	Closed
US NPDES	DULANEY AND DUKE ST	0.37 mi NE	3/1/2000		2350 Duke St	0.42 mi NW	Closed
AIRS/AFS	2121 EISENHOWER AVE SUITE 200	0.05 mi N	7/28/2011		2400 Duke St	0.42 mi NW	Closed
	340 HOOFFS RUN DRIVE	0.24 mi SE	3/1/2000		1930 Diagonal Rd	0.48 mi NE	Closed
	2461 EISENHOWER AVE	0.32 mi W	3/1/2000		1500 Eisenhower Ave	0.51 mi SE	Closed
	200 STOVAL STREET	0.38 mi NW	6/3/2006		5818 Foley St	0.53 mi S	Closed
	18 ROBERTS LN STE 132	0.5 mi NW	2/16/2005		1460 Duke St	0.55 mi NE	Closed
	2550 HUNTINGTON AVE	0.56 mi W	3/1/2000		18 Roberts Ln Ste 132	0.58 mi NW	Closed
Note: Results presented in this table only represent occurrences found within a					1500 Eisenhower Ave	0.58 mi E	Closed
0.5 mile radius from the centerpoint of the study area.					Interstate 95 and Telegraph Rd	0.59 mi W	Closed

Attachment 4 presents the full Environmental Radius Report dated March 16, 2015, which is a summary of results compiled by database searched within 0.25, 0.5, and 1 mile of the study area.

ATTACHMENT 1

Cultural Resources

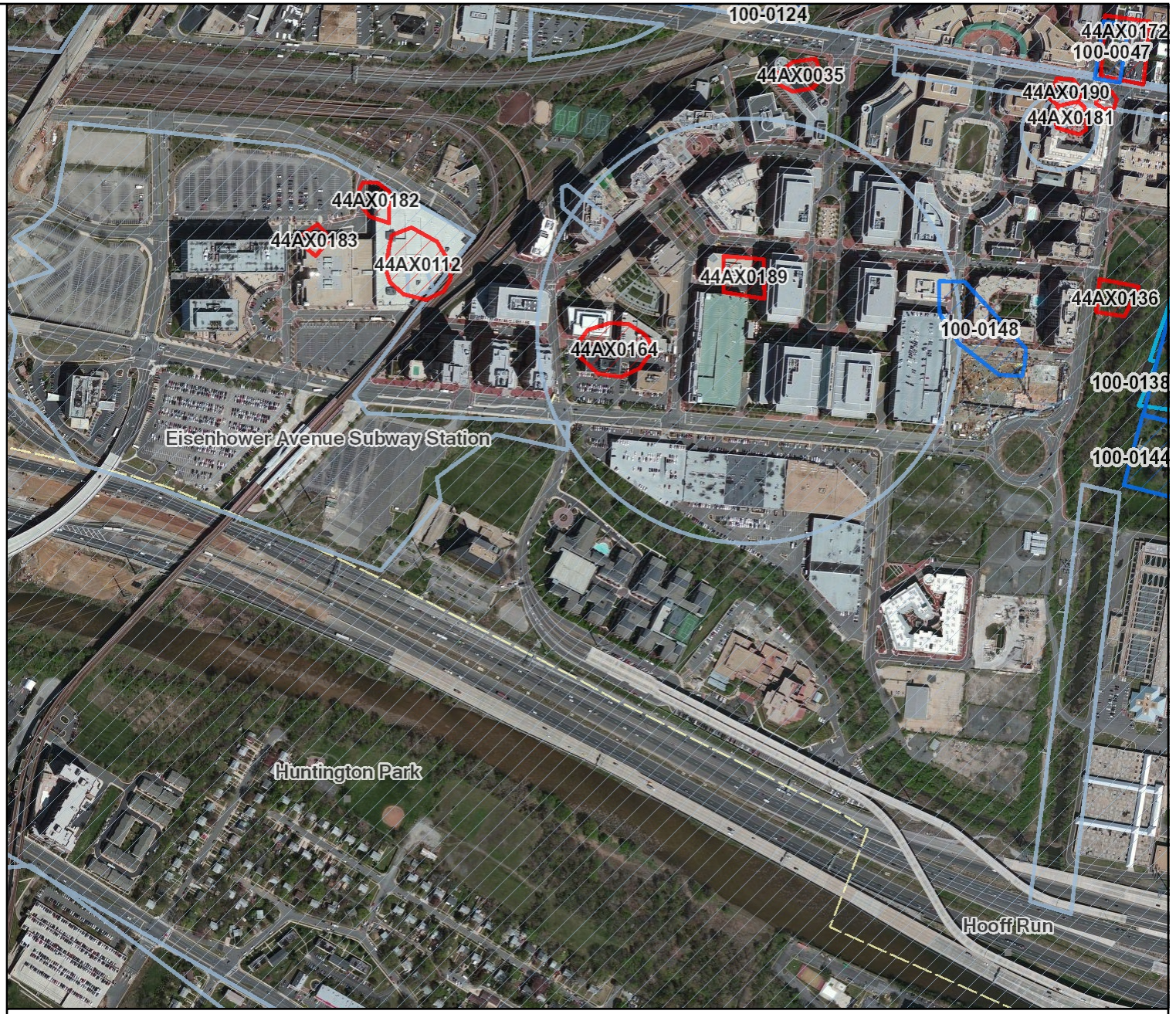
Virginia Dept. of Historic Resources

V-CRIS

Virginia Cultural Resource Information System

Legend

- Architecture Resources
- Architecture Labels
- Individual Historic District Properties
- Archaeological Resources
- Archaeology Labels
- Archaeology Phase 1 Survey
- USGS GIS Place names
- County Boundaries



N

Feet

0 200 400 600 800

1:9,028 / 1"=752 Feet

Title:

Date: 3/19/2015

DISCLAIMER:Records of the Virginia Department of Historic Resources (DHR) have been gathered over many years from a variety of sources and the representation depicted is a cumulative view of field observations over time and may not reflect current ground conditions.The map is for general information purposes and is not intended for engineering, legal or other site-specific uses. Map may contain errors and is provided "as-is". More information is available in the DHR Archives located at DHR's Richmond office.

Notice if AE sites:Locations of archaeological sites may be sensitive the National Historic Preservation Act (NHPA), and the Archaeological Resources Protection Act (ARPA) and Code of Virginia §2.2-3705.7 (10). Release of precise locations may threaten archaeological sites and historic resources.

ATTACHMENT 2

FEMA Flood Insurance Rate Maps

National Wetlands Inventory Map

Soil Survey

NOTES TO USERS

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V/NGS12
Geodetic Survey
, #9202
st-West Highway
pring, Maryland 20910-3282

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LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

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FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be of encroachment so that the 1% annual chance flood can be carried without substantial in flood heights.

OTHER FLOOD AREAS

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OTHER AREAS

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- **ZONE D** Areas in which flood hazards are undetermined, but possible.

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CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Are

- 1% annual chance floodplain boundary
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MAP REPOSITORY
City Hall. 301 King Street. Alexandria, VA 22314 (Maps available for reference only, not for dist

INITIAL IDENTIFICATION
AUGUST 22, 1969

FLOOD HAZARD BOUNDARY MAP REVISIONS
NONE

FLOOD INSURANCE RATE MAP EFFECTIVE
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MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0037E

FIRM
FLOOD INSURANCE RATE M

CITY OF ALEXANDR
VIRGINIA
INDEPENDENT CITY

PANEL 37 OF 45
(SEE MAP INDEX FOR FIRM PANEL L

CONTAINS:

COMMUNITY	NUMBER	PANEL
ALEXANDRIA, CITY OF (INDEPENDENT CITY)	515519	0037

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MAP NU
515519

MAP RE

JUNE 16

Federal Emergency Management

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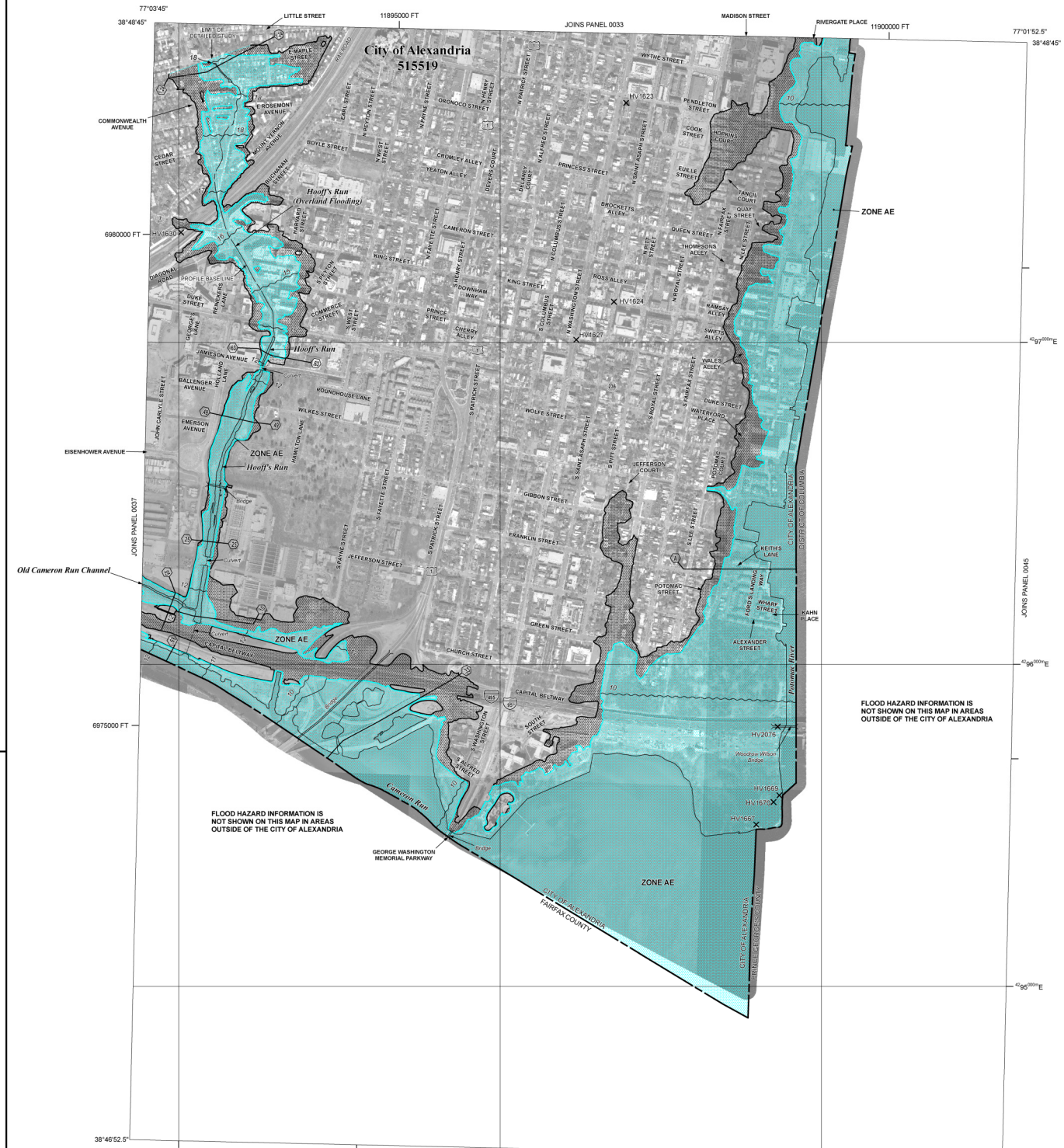

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PANEL 0041E

FIRM
FLOOD INSURANCE RATE M

CITY OF ALEXANDR
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INDEPENDENT CITY

PANEL 41 OF 45
(SEE MAP INDEX FOR FIRM PANEL L

CONTAINS:

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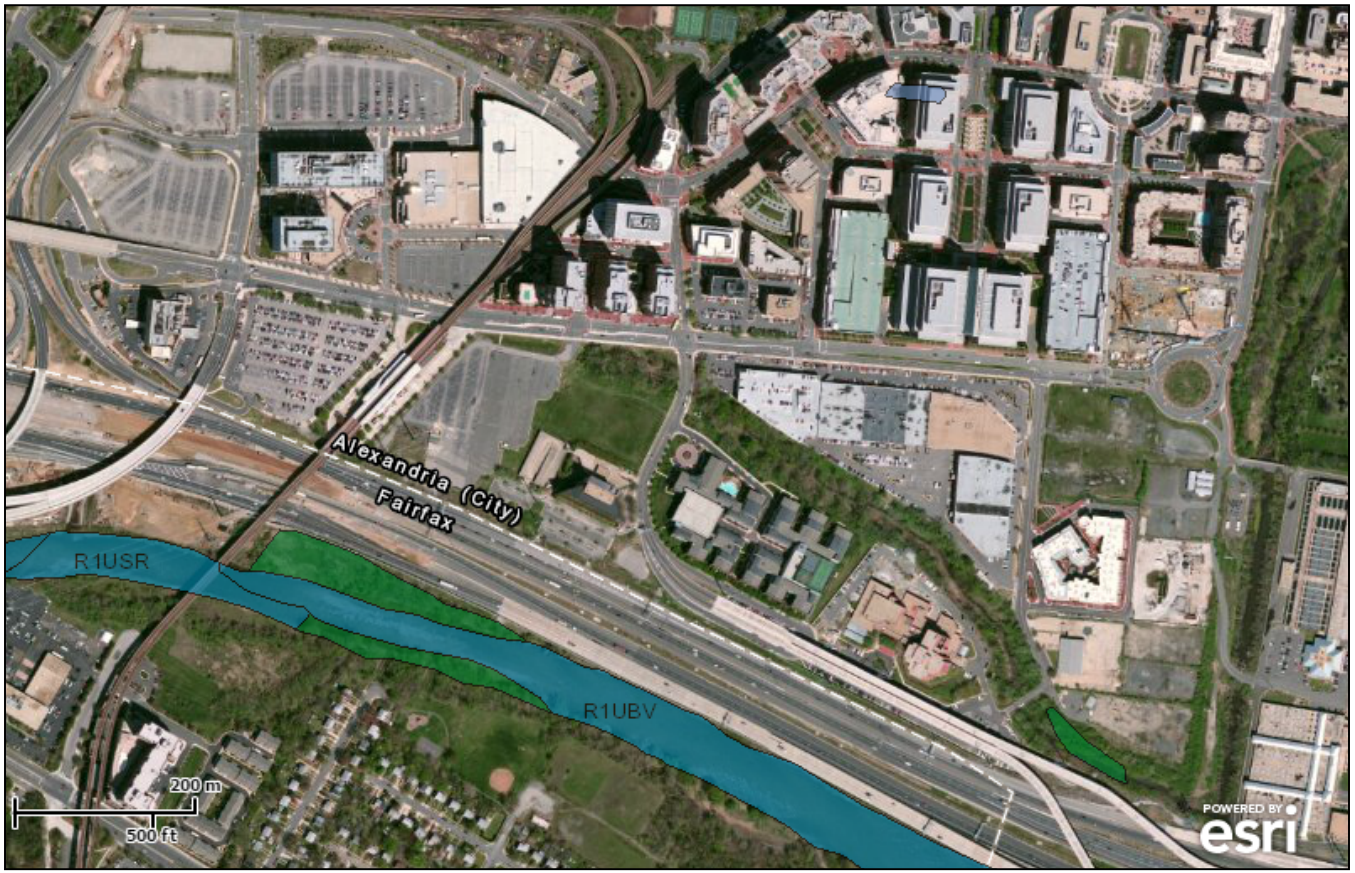
515519
MAP RE
JUNE 16

Federal Emergency Management

U.S. Fish and Wildlife Service
National Wetlands Inventory

Mar 16, 2015



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Alexandria City, Virginia, and Fairfax County, Virginia

March 16, 2015

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (http://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means

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Contents

Preface.....2
How Soil Surveys Are Made.....5
Soil Map.....7
Soil Map.....8
Legend.....9
Map Unit Legend.....10
Map Unit Descriptions.....10
Alexandria City, Virginia.....12
30A—Codorus and Hatboro soils, 0 to 2 percent slopes, occasionally flooded.....12
40—Grist Mill sandy loam, 0 to 25 percent slopes.....13
66—Kingstowne sandy clay loam, 0 to 45 percent slopes.....14
95—Urban land.....15
Fairfax County, Virginia.....16
30A—Codorus and Hatboro soils, 0 to 2 percent slopes, occasionally flooded.....16
95—Urban land.....17
References.....18

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil scientists classified and named the soils in the survey area, they compared the

individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

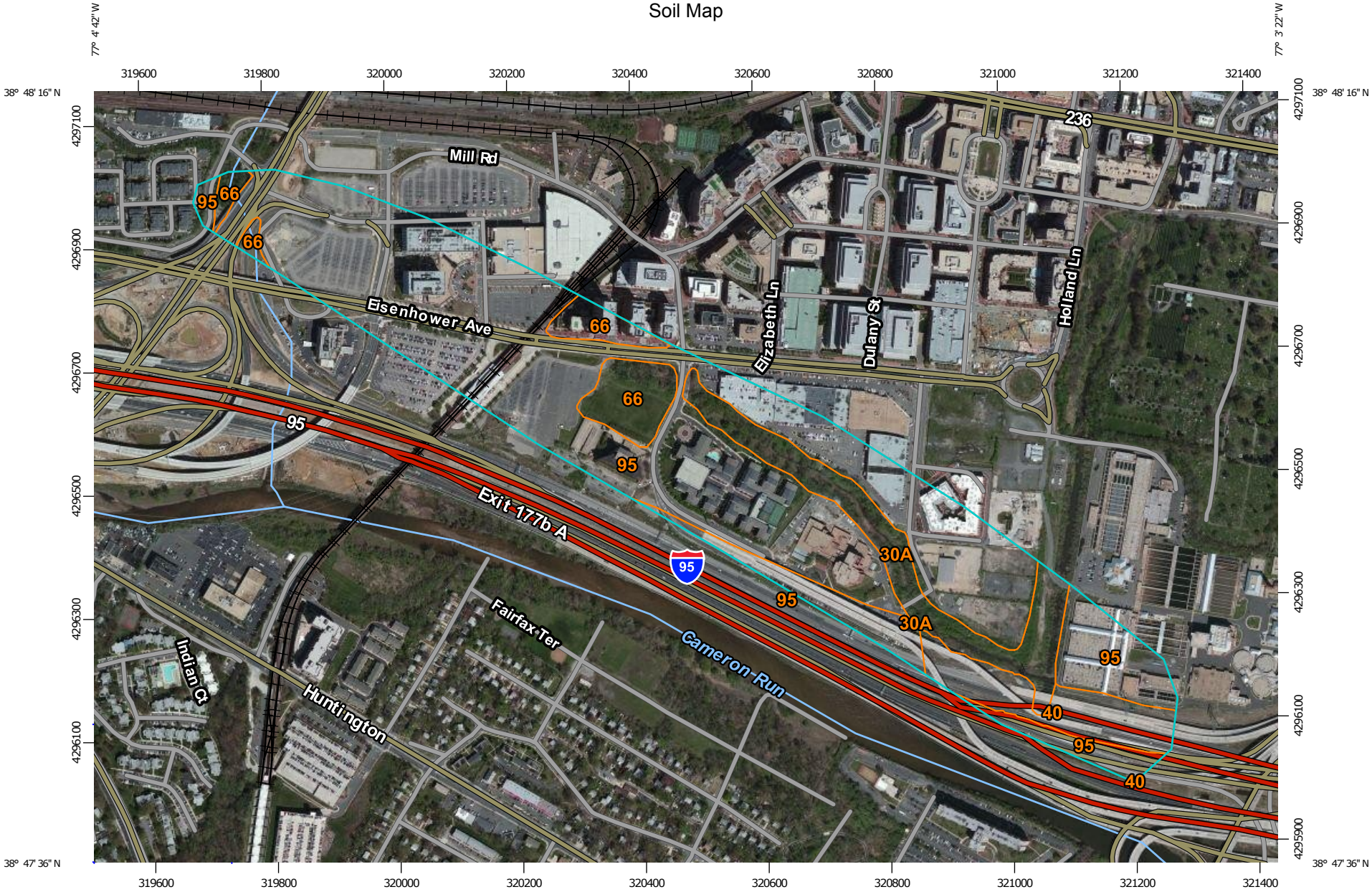
Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map



Map Scale: 1:8,820 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 100 200 400 600

Feet: 0 400 800 1600 2400

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Alexandria City, Virginia
Survey Area Data: Version 6, Dec 13, 2013

Soil Survey Area: Fairfax County, Virginia
Survey Area Data: Version 12, Sep 23, 2014

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 14, 2011—Nov 12, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Alexandria City, Virginia (VA510)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
30A	Codorus and Hatboro soils, 0 to 2 percent slopes, occasionally flooded	10.7	10.4%
40	Grist Mill sandy loam, 0 to 25 percent slopes	7.0	6.8%
66	Kingstowne sandy clay loam, 0 to 45 percent slopes	7.0	6.9%
95	Urban land	73.8	72.0%
Subtotals for Soil Survey Area		**98.5**	**96.2%**
Totals for Area of Interest		**102.5**	**100.0%**

Fairfax County, Virginia (VA059)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
30A	Codorus and Hatboro soils, 0 to 2 percent slopes, occasionally flooded	0.0	0.0%
95	Urban land	3.9	3.8%
Subtotals for Soil Survey Area		**3.9**	**3.8%**
Totals for Area of Interest		**102.5**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different

management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Alexandria City, Virginia

30A—Codorus and Hatboro soils, 0 to 2 percent slopes, occasionally flooded

Map Unit Setting

National map unit symbol: 226ln
Mean annual precipitation: 37 to 49 inches
Mean annual air temperature: 45 to 67 degrees F
Frost-free period: 185 to 212 days
Farmland classification: Not prime farmland

Map Unit Composition

Codorus and similar soils: 55 percent
Hatboro and similar soils: 35 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Codorus

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from igneous, metamorphic and sedimentary rock

Typical profile

H1 - 0 to 8 inches: silt loam
H2 - 8 to 50 inches: loam
H3 - 50 to 62 inches: stratified very gravelly sand to loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Somewhat poorly drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 10 to 24 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Available water storage in profile: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: B/D

Description of Hatboro

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from igneous and metamorphic rock

Typical profile

H1 - 0 to 6 inches: silt loam
H2 - 6 to 23 inches: loam
H3 - 23 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 0 to 18 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Available water storage in profile: Moderate (about 8.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 5w
Hydrologic Soil Group: B/D

40—Grist Mill sandy loam, 0 to 25 percent slopes

Map Unit Setting

National map unit symbol: 226lr
Mean annual precipitation: 37 to 49 inches
Mean annual air temperature: 45 to 67 degrees F
Frost-free period: 185 to 212 days
Farmland classification: Not prime farmland

Map Unit Composition

Grist mill and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Grist Mill

Setting

Landform: Marine terraces
Landform position (two-dimensional): Backslope, shoulder, summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Earthy fill of fluviomarine deposits

Typical profile

H1 - 0 to 6 inches: sandy loam
H2 - 6 to 60 inches: sandy clay loam

Properties and qualities

Slope: 0 to 25 percent

Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 24 to 79 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Moderate (about 7.8 inches)

Interpretive groups
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C

66—Kingstowne sandy clay loam, 0 to 45 percent slopes

Map Unit Setting
National map unit symbol: 226lt
Mean annual precipitation: 37 to 49 inches
Mean annual air temperature: 45 to 67 degrees F
Frost-free period: 185 to 212 days
Farmland classification: Not prime farmland

Map Unit Composition
Kingstowne and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kingstowne

Setting
Landform: Marine terraces
Landform position (two-dimensional): Backslope, shoulder, summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Earthy fill of fluviomarine deposits

Typical profile
H1 - 0 to 4 inches: sandy clay loam
H2 - 4 to 60 inches: clay loam

Properties and qualities
Slope: 0 to 45 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 24 to 79 inches
Frequency of flooding: None
Frequency of ponding: None

Available water storage in profile: Moderate (about 7.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C

95—Urban land

Map Unit Setting

National map unit symbol: 226m7
Mean annual precipitation: 28 to 58 inches
Mean annual air temperature: 87 to 89 degrees F
Frost-free period: 175 to 200 days
Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 95 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s

Fairfax County, Virginia

30A—Codorus and Hatboro soils, 0 to 2 percent slopes, occasionally flooded

Map Unit Setting

National map unit symbol: 2fjmy
Mean annual precipitation: 37 to 49 inches
Mean annual air temperature: 45 to 67 degrees F
Frost-free period: 185 to 212 days
Farmland classification: Not prime farmland

Map Unit Composition

Codorus and similar soils: 55 percent
Hatboro and similar soils: 35 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Codorus

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from igneous, metamorphic and sedimentary rock

Typical profile

H1 - 0 to 8 inches: silt loam
H2 - 8 to 50 inches: loam
H3 - 50 to 62 inches: stratified very gravelly sand to loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Somewhat poorly drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 10 to 24 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Available water storage in profile: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: B/D

Description of Hatboro

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from igneous and metamorphic rock

Typical profile

H1 - 0 to 6 inches: silt loam
H2 - 6 to 23 inches: loam
H3 - 23 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 0 to 18 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Available water storage in profile: Moderate (about 8.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 5w
Hydrologic Soil Group: B/D

95—Urban land

Map Unit Setting

National map unit symbol: 2fjw2
Mean annual precipitation: 28 to 58 inches
Mean annual air temperature: 87 to 89 degrees F
Frost-free period: 175 to 200 days
Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 95 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s

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ATTACHMENT 3

Threatened and Endangered Species

Site Location

38,47,52.9 -77,03,49.9
is **the Search Point**

Show Position Rings
(•) Yes ( ) No
1 mile and 1/4 mile at the **Search Point**

Show Search Area
(•) Yes ( ) No
2 Search distance miles radius

Search Point is at map center

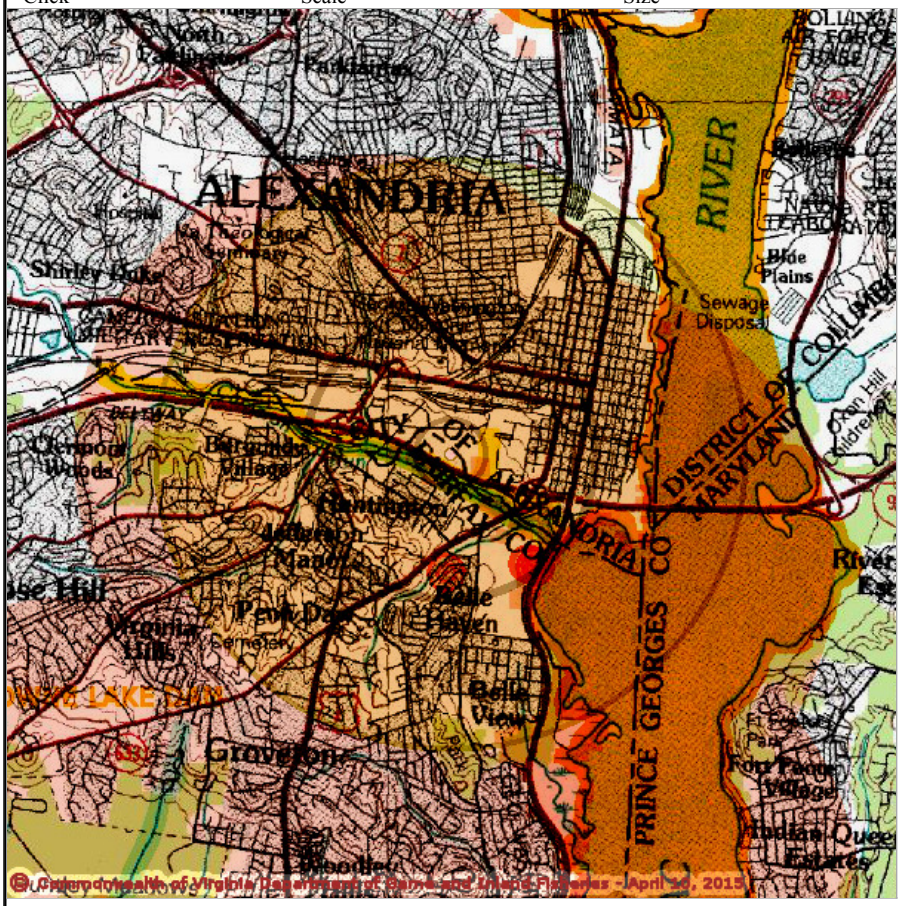
Base Map Choices
Topography

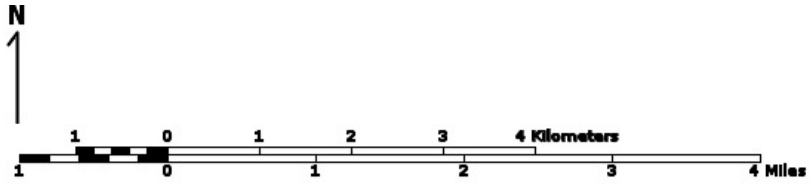
Map Overlay Choices
Current List: Position, Search, BECAR, BAEANests, TEWaters, TierII, Habitat, Trout, Anadromous

Map Overlay Legend

Refresh Browser Page

Map Click Pan Id M Map Scale In Zoom Out Screen Size Small Size Big Help





Point of Search 38,47,52.9 -77,03,49.9
Map Location 38,47,52.9 -77,03,49.9

Select **Coordinate System:**
(•) Degrees,Minutes,Seconds Latitude - Longitude
( ) Decimal Degrees Latitude - Longitude
( ) Meters UTM NAD83 East North Zone
( ) Meters UTM NAD27 East North Zone

Base Map source: USGS 1:100,000 topographic maps (see Microsoft terraserver-usa.com for details)

Map projection is UTM Zone 18 NAD 1983 with left 315973 and top 4301187. Pixel size is 16 meters . Coordinates displayed are Degrees, Minutes, Seconds North and West.Map is currently displayed as 600 columns by 600 rows for a total of 360000 pixles. The map display represents 9600 meters east to west by 9600 meters north to south for a total of 92.1 square kilometers. The map display represents 31501 feet east to west by 31501 feet north to south for a total of 35.5 square miles.

Topographic maps and Black and white aerial photography for year 1990+-

T & E Waters

Federal

State

Predicted Habitat WAP Tier I & II

Aquatic

Terrestrial

Trout Waters

Class I - IV

Class V - VI

Anadromous Fish Reach

Confirmed

Potential

23 Impediment

Position Rings 1 mile and 1/4 mile at the Search Point

2 mile radius Search Area

Bald Eagle Concentration Areas and Roosts

are from the United States Department of the Interior, United States Geological Survey.
Color aerial photography aquired 2002 is from Virginia Base Mapping Program, Virginia Geographic Information Network.
Shaded topographic maps are from TOPO! ©2006 National Geographic http://www.national.geographic.com/topo
All other map products are from the Commonwealth of Virginia Department of Game and Inland Fisheries.

map assembled 2015-04-10 09:14:54 (qa/qc December 5, 2012 8:04 - tn=645587.0 dist=3218.688 I)
$poi=38.7980278 -77.0638611

VaFWIS Initial Project Assessment Report Compiled on 4/10/2015, 9:12:39 AM

Help

Known or likely to occur within a **2 mile radius around point 38.7980278 -77.0638611** in **059 Fairfax County, 510 Alexandria City, VA**

View Map of Site Location

716 Known or Likely Species ordered by Status Concern for Conservation (displaying first 34) (34 species with Status* or Tier I** or Tier II**)

BOVA Code	Status*	Tier**	Common Name	Scientific Name	Confirmed	Database(s)
010032	FESE	II	Sturgeon, Atlantic	Acipenser oxyrinchus		BOVA
060006	SE	II	Floater, brook	Alasmidonta varicosa		BOVA
030062	ST	I	Turtle, wood	Glyptemys insculpta		BOVA
040096	ST	I	Falcon, peregrine	Falco peregrinus		BOVA
040129	ST	I	Sandpiper, upland	Bartramia longicauda		BOVA
040293	ST	I	Shrike, loggerhead	Lanius ludovicianus		BOVA
040379	ST	I	Sparrow, Henslow's	Ammodramus henslowii		BOVA
100155	FSST	I	Skipper, Appalachian grizzled	Pyrgus wyandot		BOVA
040292	ST		Shrike, migrant loggerhead	Lanius ludovicianus migrans		BOVA
050022	FP		Bat, northern long-eared	Myotis septentrionalis		BOVA
010038	FC	IV	Alewife	Alosa pseudoharengus	Yes	BOVA,SppObs
010045	FC		Herring, blueback	Alosa aestivalis	Yes	BOVA,SppObs
100248	FS	I	Fritillary, regal	Speyeria idalia idalia		BOVA
040093	FS	II	Eagle, bald	Haliaeetus leucocephalus	Yes	BOVA,BAEANests

100154	FS	II	Butterfly, Persius duskywing	Erynnis persius persius		BOVA
060029	FS	III	Lance, yellow	Elliptio lanceolata		BOVA
080340	FS		Caddisfly, Buffalo Springs	Ceratopsyche etnieri		BOVA
030063	CC	III	Turtle, spotted	Clemmys guttata	Yes	BOVA,SppObs
030012	CC	IV	Rattlesnake, timber	Crotalus horridus		BOVA
010077		I	Shiner, bridle	Notropis bifrenatus	Yes	BOVA,Habitat,SppObs
040372		I	Crossbill, red	Loxia curvirostra		BOVA
040225		I	Sapsucker, yellow-bellied	Sphyrapicus varius		BOVA
040319		I	Warbler, black-throated green	Dendroica virens		BOVA
040306		I	Warbler, golden-winged	Vermivora chrysoptera		BOVA
040038		II	Bittern, American	Botaurus lentiginosus		BOVA,Habitat
040052		II	Duck, American black	Anas rubripes		BOVA
040029		II	Heron, little blue	Egretta caerulea caerulea		BOVA
040036		II	Night-heron, yellow-crowned	Nyctanassa violacea violacea		BOVA
040213		II	Owl, northern saw-whet	Aegolius acadicus		BOVA
040105		II	Rail, king	Rallus elegans		BOVA,Habitat
040186		II	Tern, least	Sterna antillarum		BOVA
040320		II	Warbler, cerulean	Dendroica cerulea		BOVA
040304		II	Warbler, Swainson's	Limnothlypis swainsonii		BOVA
040266		II	Wren, winter	Troglodytes troglodytes		BOVA

To view **All 716 species** View 716

* FE=Federal Endangered; FT=Federal Threatened; SE=State Endangered; ST=State Threatened; FP=Federal Proposed; FC=Federal Candidate; FS=Federal Species of Concern; CC=Collection Concern

** I=VA Wildlife Action Plan - Tier I - Critical Conservation Need; II=VA Wildlife Action Plan - Tier II - Very High Conservation Need;

III=VA Wildlife Action Plan - Tier III - High Conservation Need;
IV=VA Wildlife Action Plan - Tier IV - Moderate Conservation Need

Bat Colonies or Hibernacula: **Not Known**

Anadromous Fish Use Streams (2 records)

View Map of All Anadromous Fish Use Streams

Stream ID	Stream Name	Reach Status	Anadromous Fish Species			View Map
			Different Species	Highest TE*	Highest Tier**	
C64	Potomac river	Confirmed	6	FC	IV	Yes
P42	Cameron run	Potential	0			Yes

Impediments to Fish Passage

N/A

Colonial Water Bird Survey

N/A

Threatened and Endangered Waters

N/A

Managed Trout Streams

N/A

Bald Eagle Concentration Areas and Roosts

N/A

Bald Eagle Nests (2 records)

View Map of All Query Results Bald Eagle Nests

Nest	N Obs	Latest Date	DGIF Nest Status	View Map
FF0904	2	Mar 25 2009	UNKNOWN	Yes
FF1102	1	May 27 2011	RECENTLY ACTIVE	Yes

Displayed 2 Bald Eagle Nests

Habitat Predicted for Aquatic WAP Tier I & II Species (1 Reach)

View Map Combined Reaches from Below of Habitat Predicted for WAP Tier I & II Aquatic Species

Stream Name	Tier Species						View Map
	Highest TE*	BOVA Code, Status*, Tier**, Common & Scientific Name					
Holmes Run (20700102)		010077		I	Shiner, bridle	Notropis bifrenatus	Yes

Habitat Predicted for Terrestrial WAP Tier I & II Species (2 Species)

View Map of Combined Terrestrial Habitat Predicted for 2 WAP Tier I & II Species Listed Below

ordered by Status Concern for Conservation

BOVA Code	Status*	Tier**	Common Name	Scientific Name	View Map
040038		II	Bittern, American	Botaurus lentiginosus	Yes
040105		II	Rail, king	Rallus elegans	Yes

Public Holdings: (1 names)

Name	Agency	Level
George Washington Memorial National Parkway	National Park Service	Federal

Compiled on 4/10/2015, 9:12:39 AM I645587.0 report=IPA searchType= R dist= 3218.688 poi= 38.7980278 -77.0638611

PixelSize=64; Anadromous=0.031079; BECAR=0.027115; Bats=0.027257; Buffer=0.168387; County=0.123774; Impediments=0.02905; Init=0.210173; PublicLands=0.041452; SppObs=0.672691; TEWaters=0.034105; TierReaches=0.084641; TierTerrestrial=0.066352; Total=1.721005; Trout=0.031593

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Virginia Ecological Services Field Office
6669 SHORT LANE
GLOUCESTER, VA 23061
PHONE: (804)693-6694 FAX: (804)693-9032
URL: www.fws.gov/northeast/virginiafield/

Consultation Code: 05E2VA00-2015-SLI-1275 March 16, 2015
Event Code: 05E2VA00-2015-E-01277
Project Name: Old Cameron Run Trail

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment

United States Department of Interior
Fish and Wildlife Service

Project name: Old Cameron Run Trail

Official Species List

Provided by:

Virginia Ecological Services Field Office
6669 SHORT LANE
GLOUCESTER, VA 23061
(804) 693-6694
http://www.fws.gov/northeast/virginiafield/

Consultation Code: 05E2VA00-2015-SLI-1275
Event Code: 05E2VA00-2015-E-01277

Project Type: Transportation

Project Name: Old Cameron Run Trail
Project Description: This project includes the proposed construction of a trail linking existing trail segments in the City of Alexandria.

Please Note: The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.

Project Location Map:

Project Coordinates: MULTIPOLYGON (((-77.0748277 38.803343, -77.0688646 38.8013698, -77.0667617 38.8008012, -77.063586 38.79943, -77.0614831 38.7983931, -77.0590799 38.7975235, -77.0582645 38.7968212, -77.0584362 38.7961188, -77.0596807 38.7957174, -77.0610969 38.7961522, -77.0653026 38.7978246, -77.069165 38.7995638, -77.0761173 38.801838, -77.0771022 38.8025069, -77.0769734 38.8031758, -77.0762868 38.8035437, -77.0748277 38.803343)))

Project Counties: Alexandria, VA

Endangered Species Act Species List

There are a total of 0 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

There are no listed species identified for the vicinity of your project.

Critical habitats that lie within your project area

There are no critical habitats within your project area.

ATTACHMENT 4

Environmental Radius Report

38.8000178691088, -77.06671428680478

Monday, March 16, 2015

Environmental Radius Report

2055 E. Rio Salado Pkwy
Tempe, AZ 85381
480-967-6752

Summary

Aerial Views 2013, 2012, 2011, 2009, 2005, 2003, 2002, 1994, 1988, 1980, 1979, 1964, 1963, 1962, 1960, 1949

Flood Zones Hazard Map Federal Emergency Management Agency (FEMA)

	< 1/4	1/4 - 1/2	1/2 - 1
National Priorities List (NPL)			
CERCLIS List			
CERCLIS NFRAP			
RCRA CORRACTS Facilities			
RCRA non-CORRACTS TSD Facilities			
Federal Institutional Control / Engineering Control Registry			
Emergency Response Notification System (ERNS)		2	5
US Toxic Release Inventory	1		
US RCRA Generators (CESQG, SQG, LQG)	2	3	32
US ACRES (Brownfields)			
US NPDES		1	
US Air Facility System (AIRS / AFS)	2	2	15
MD AUL			
DC Underground Storage Tanks			
MD Underground Storage Tanks			
MD Leaking Underground Storage Tanks			
DC Aboveground Storage Tanks			
VA Underground Storage Tanks	9	12	51
MD Permitted Solid Waste Landfills			
VA Leaking Underground Storage Tanks	5	14	55
MD Land Restoration Program Sites			
VA Solid Waste Landfills			
MD Activity and Use Limitations			

Aerial Views

2013

2012

2011

2009

Aerial Views

2005

2003

2002

1994

Aerial Views

1988

1980

1979

1964

Aerial Views

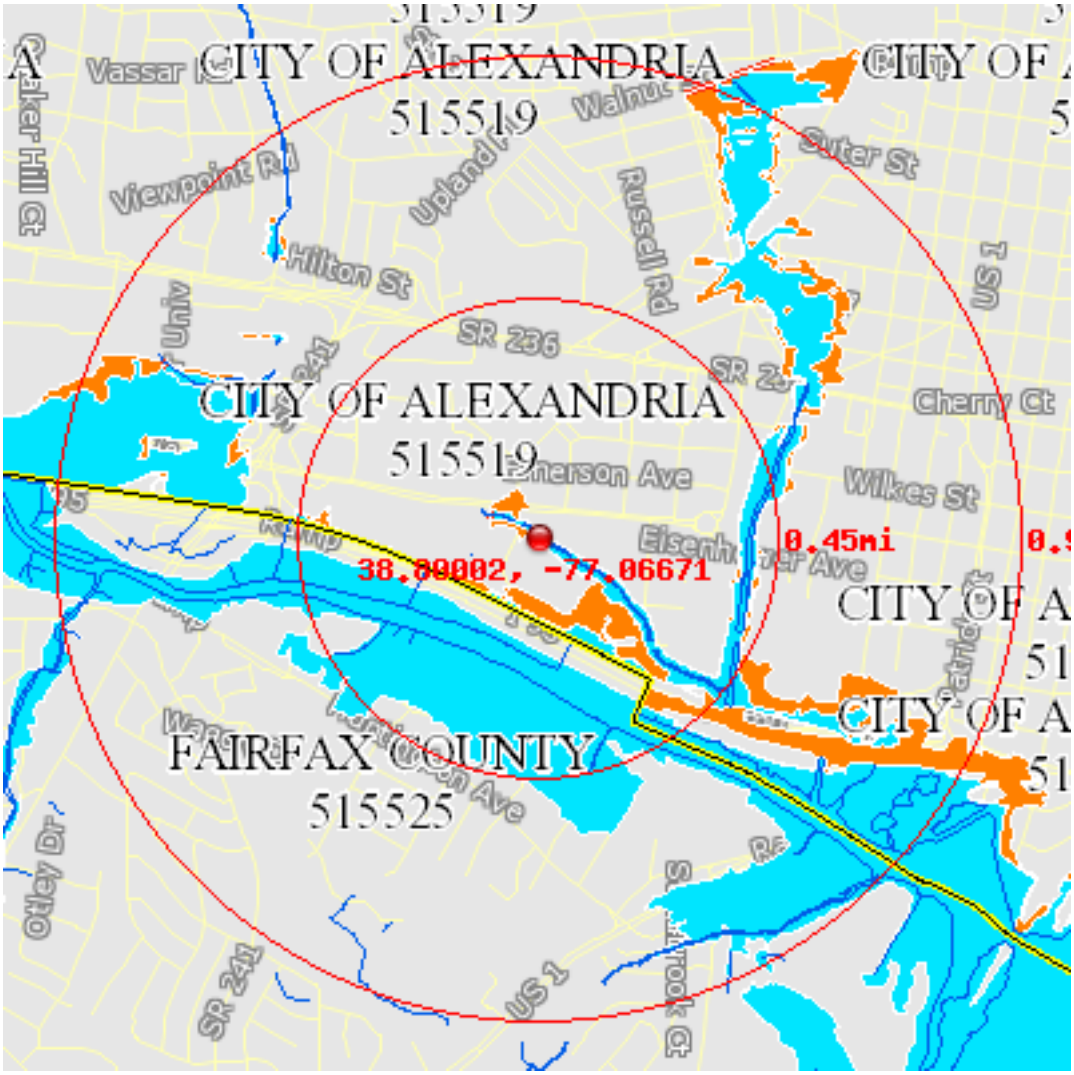
1963

1962

1960

1949

Flood Hazard Zones Map



- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area with Reduced Risk Due to Levee

National Priorities List (NPL)

This database returned no results for your area.

The Superfund Program, administered under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) is an EPA Program to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. The NPL (National Priorities List) is the list of national priorities among the known releases or threatened releases of hazardous substances, pollutants, or contaminants throughout the United States and its territories. The NPL is intended primarily to guide the EPA in determining which sites warrant further investigation. The boundaries of an NPL site are not tied to the boundaries of the property on which a facility is located. The release may be contained with a single property's boundaries or may extend across property boundaries onto other properties. The boundaries can, and often do change as further information on the extent and degree of contamination is obtained.

CERCLIS List

This database returned no results for your area.

The United States Environmental Protection Agency (EPA) investigates known or suspected uncontrolled or abandoned hazardous substance facilities under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). EPA maintains a comprehensive list of these facilities in a database known as the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS). These sites have either been investigated or are currently under investigation by the EPA for release or threatened release of hazardous substances. Once a site is placed in CERCLIS, it may be subjected to several levels of review and evaluation and ultimately placed on the National Priority List (NPL).

CERCLIS sites designated as "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an intitial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund Action or NPL consideration.

CERCLIS NFRAP

This database returned no results for your area.

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" NFRAP have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the site being placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.
EPA has removed these NFRAP sites from CERCLIS to lift unintended barriers to the redevelopment of these properties. This policy change is part of EPA"s Brownfields Redevelopment Program to help cities, states, private investors and affected citizens promote economic redevelopment of unproductive urban sites.

RCRA CORRACTS Facilities

This database returned no results for your area.

The United States Environmental Protection Agency (EPA) regulates hazardous waste under the Resource Conservation and Recovery Act (RCRA). The EPA maintains the Corrective Action Report (CORRACTS) database of Resource Conservation and Recovery Act (RCRA) facilities that are undergoing "corrective action." A "corrective action order" is issued pursuant to RCRA Section 3008(h) when there has been a release of hazardous waste or constituents into the environment from a RCRA facility. Corrective actions may be required beyond the facility"s boundary and can be required regardless of when the release occurred, even if it predated RCRA.

RCRA non-CORRACTS TSD Facilities

This database returned no results for your area.

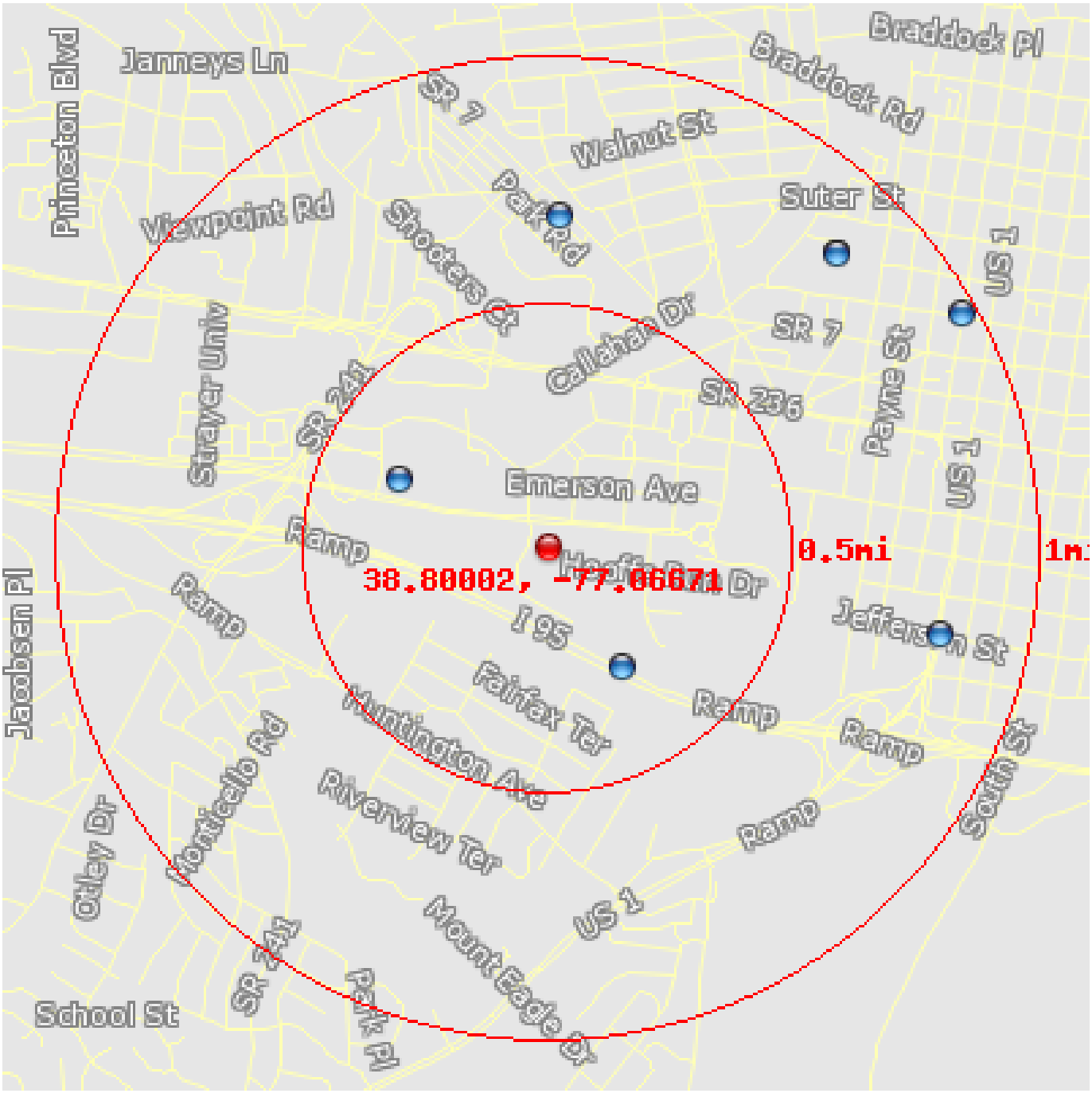
The United States Environmental Protection Agency (EPA) regulates hazardous waste under the Resource Conservation and Recovery Act (RCRA). The EPA''s RCRA Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilites database is a compilation by the EPA of facilities that report generation, storage, transportation, treatment, or disposal of hazardous waste. RCRA Permitted Treatment, Storage, Disposal Facilities (RCRA-TSD) are facilities which treat, store and/or dispose of hazardous waste.

Federal Institutional Control / Engineering Control Registry

This database returned no results for your area.

Federal Institutional Control / Engineering Control Registry

Emergency Response Notification System (ERNS)



This database returned 7 results for your area.

The Emergency Response Notification System (ERNS) is a national computer database used to store information on unauthorized releases of oil and hazardous substances. The program is a cooperative effort of the Environmental Protection Agency, the Department of Transportation Research and Special Program Administration"s John Volpe National Transportation System Center and the National Response Center. There are primarily five Federal statutes that require release reporting: the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) section 103; the Superfund Amendments and Reauthorization Act(SARA) Title III Section 304; the Clean Water Act of 1972(CWA) section 311(b)(3); and the Hazardous Material Transportation Act of 1974(HMTA section 1808(b).

Emergency Response Notification System (ERNS)

Location	38.79643, -77.06381
Distance to site	1548 ft / 0.29 mi SE
Incident	CALLER IS REPORTING THEIR COMPANY WAS NOTIFIED OF AN ABANDONED TRAILER THAT CONTAINS 88, 200 KG DRUMS OF CHROMIC ACID. NO MATERIAL HAS BEEN REPORTED AS BEING RELEASED AND THE TRAILER IS STILL SEALED.
Incident Date	8/29/2010 10:05
Incident location	1-95 REST AREA JUST NORTH OF VA/NC BORDER
Year Reported	2010
Address	I-95
State	VA
County	GREENSVILLE

Location	38.80191, -77.07224
Distance to site	1718 ft / 0.33 mi W
Incident	CALLER STATES THERE IS TOXIC MOLD AT THE ADDRESS LOCATION AND THE CALLER ALSO STATES THERE HAS BEEN TESTING CONDUCTED TO CONFIRM THIS. CALLER STATES THIS INCIDENT HAS BEEN ONGOING SINCE DEC. 24TH 2009.
Incident Date	10/27/2010 12:00
Incident location	FEDERAL OFFICE BUILDING, 10TH FLOOR OF THE BUILDING
Year Reported	2010
Address	2461 EISENHOWER AVE.
City	ALEXANDRIA
State	VA
County	ALEXANDRIA

Location	38.80968, -77.06615
Distance to site	3528 ft / 0.67 mi N
Incident	CALLER STATED THAT THERE WAS A RELEASE OF 200 GALLONS OF FUEL OIL FROM AN UNDERGROUND TANK. THE CAUSE WAS DUE TO A BACKHOE THAT STRUCK THE TANK WHILE PUTTING IN A NEW GAS LINE.
Incident Date	7/18/2013 15:30
Year Reported	2013
Address	2218 KING STREET
City	ALEXANDRIA
State	VA
County	ALEXANDRIA

Emergency Response Notification System (ERNS)

Location	38.7974, -77.05187
Distance to site	4327 ft / 0.82 mi E
Incident	CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE.
Incident Date	1/24/2011 17:00
Incident location	ALEXANDRIA WATERFRONT- POTOMAC RIVER SHORELINE
Year Reported	2011
Address	JEFFERSON ST./ UNION ST.
City	ALEXANDRIA
State	VA
County	ALEXANDRIA

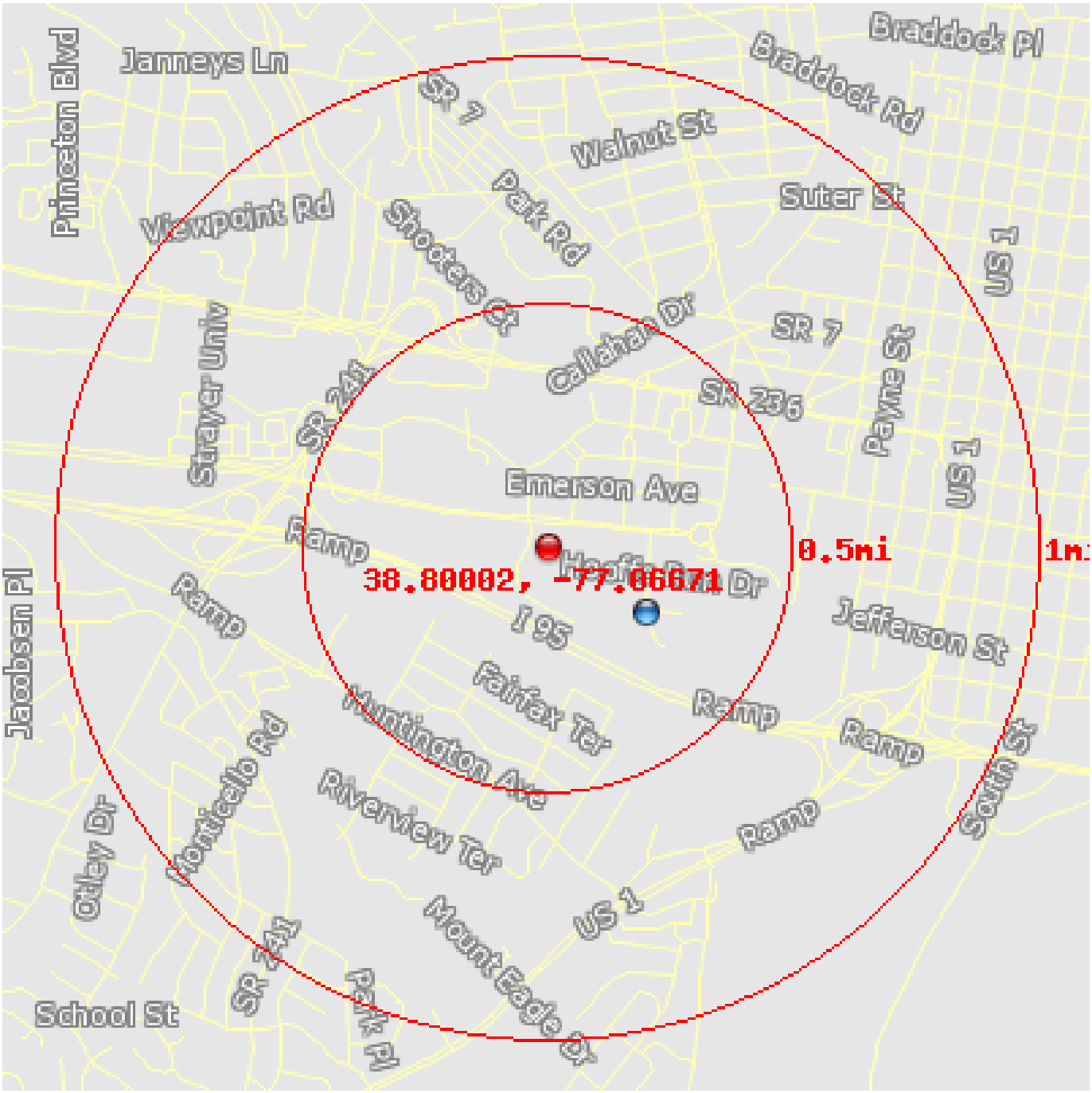
Location	38.80855, -77.05575
Distance to site	4407 ft / 0.83 mi NE
Incident	CALLER STATED THAT THERE WAS A RELEASE OF 2 OUNCES OF OIL FROM A PIPE AT THE FACILITY INTO THE WATER, THE CAUSE WAS DUE TO WORK BEING CONDUCTED.
Incident Date	11/18/2011 9:50
Year Reported	2011
Address	1400 NO ROYAL STREET
City	ALEXANDRIA
State	VA
County	ALEXANDRIA
Zip Code	22314

Location	38.80855, -77.05575
Distance to site	4407 ft / 0.83 mi NE
Incident	REPORTING A TRANSFORMER LEAKING OIL AT THE LOCATION DESCRIPTION. THE LEAK WAS DISCOVERED AROUND THE MONTH OF MAY AND THERE IS STILL A SHEEN ON THE CONCRETE AROUND THE BOX OF THE TRANSFORMER.
Incident Date	5/30/2010 12:00
Incident location	JUST WEST OF 804 BASHFORD LANE (IN AN ALLEY WAY BETWEEN TOWNHOUSES)
Year Reported	2010
City	ALEXANDRIA
State	VA
County	ALEXANDRIA
Zip Code	22314

Emergency Response Notification System (ERNS)

Location	38.80676, -77.05112
Distance to site	5071 ft / 0.96 mi NE
Incident	THE CALLER REPORTING A SHEEN THAT WAS CREATED WHILE THE RP WAS CLEANING THE VESSEL.
Incident Date	5/29/2010 17:40
Incident location	SLIP A12
Year Reported	2010
Address	0 CAMERLN ST
City	ALEXANDRIA
State	VA
County	ALEXANDRIA

US Toxic Release Inventory



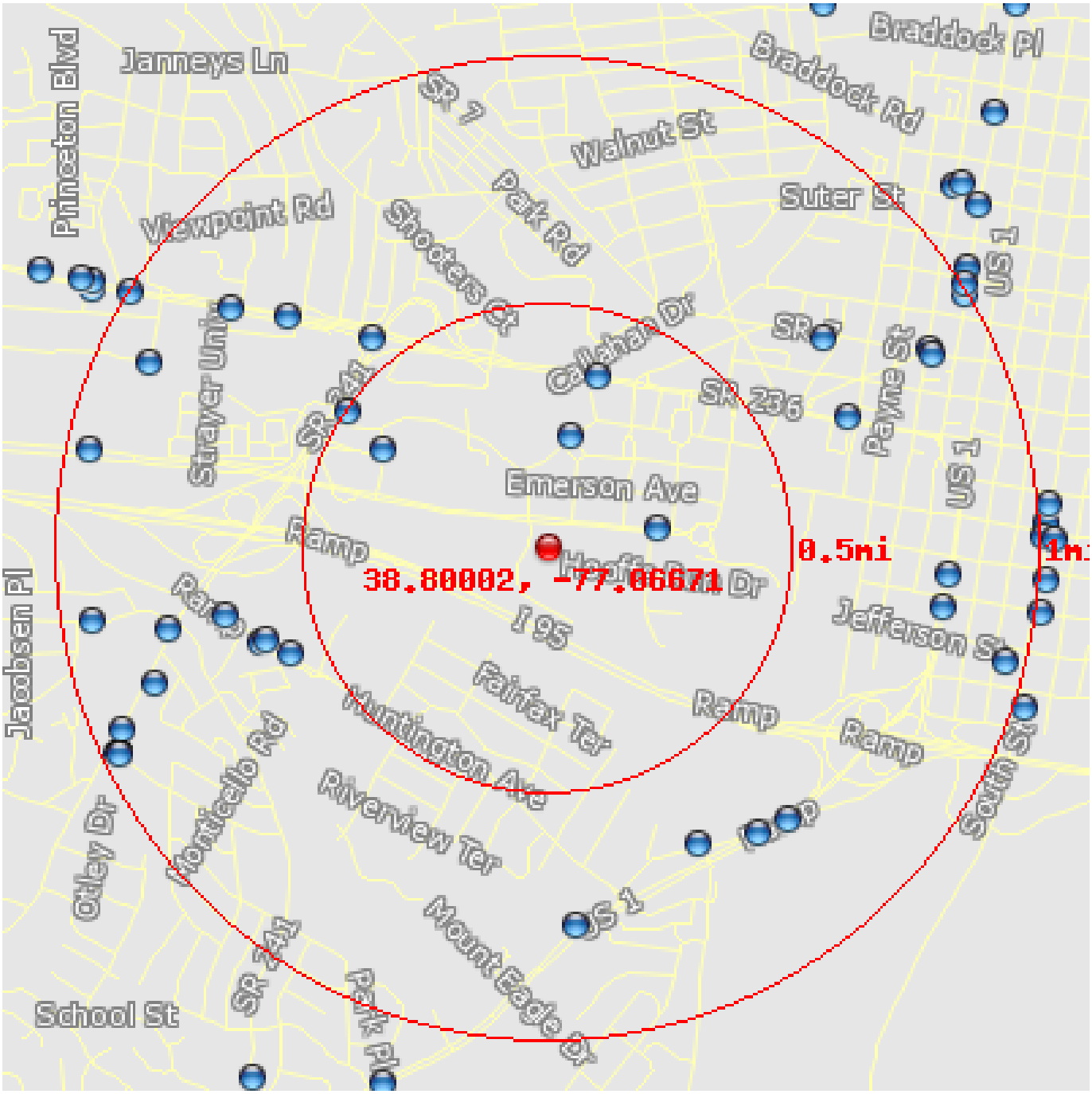
This database returned 1 results for your area.

The Toxics Release Inventory (TRI) is a publicly available EPA database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. TRI reporters for all reporting years are provided in the file.

US Toxic Release Inventory

Location	38.79803, -77.06296
Distance to site	1291 ft / 0.24 mi SE
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110001891506*
EPA Identifier	110001891506
Primary Name	VIRGINIA CONCRETE ALEXANDRIA PLANT
Address	340 HOOFFS RUN DRIVE
City	ALEXANDRIA
County	ALEXANDRIA
State	VA
Zipcode	22314-4646
NAICS Codes	327320
SIC Codes	3273, PRIV
SIC Descriptions	READY-MIXED CONCRETE
Programs	AIRS/AFS, CEDS, OIL, TRIS
Program Interests	AIR MINOR, SPCC, STATE MASTER, TRI REPORTER
Updated On	30-APR-14
Recorded On	01-MAR-00
NAICS Descriptions	READY-MIX CONCRETE MANUFACTURING.
Program ID	22314VRGNC34HFF

US RCRA Generators (CESQG, SQG, LQG)



This database returned 37 results for your area.

The United States Environmental Protection Agency (EPA) regulates hazardous waste under the Resource Conservation and Recovery Act (RCRA). EPA maintains a database of facilities, which generate hazardous waste or treat, store, and/or dispose of hazardous wastes.

Conditionally Exempt Small Quantity Generators (CESQG) generate 100 kilograms or less per month of hazardous waste, or 1 kilogram or less per month of acutely hazardous waste.

Small Quantity Generators (SQG) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Large Quantity Generators (LQG) generate 1,000 kilograms per month or more of hazardous waste, or more than 1 kilogram per month of acutely hazardous waste.

US RCRA Generators (CESQG, SQG, LQG)

Location	38.80323, -77.06574
Distance to site	1204 ft / 0.23 mi N
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110040444436*
EPA Identifier	110040444436
Primary Name	A.V. BRYAN U.S. COURTHOUSE
Address	401 COURTHOUSE SQUARE
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314-5701
Programs	ICIS, RCRAINFO
Program Interests	ENFORCEMENT/COMPLIANCE ACTIVITY, SQG
Updated On	05-MAR-13
Recorded On	23-FEB-10
Program ID	VAR000518506

Location	38.80051, -77.06248
Distance to site	1215 ft / 0.23 mi E
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005248062*
EPA Identifier	110005248062
Primary Name	THRIFTY CAR RENTAL
Address	330 HOOFFS RUN RD
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314-4646
Programs	RCRAINFO
Program Interests	SQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAD988205795

US RCRA Generators (CESQG, SQG, LQG)

Location	38.805, -77.06475
Distance to site	1900 ft / 0.36 mi N
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110008200035*
EPA Identifier	110008200035
Primary Name	DERWENT NORTH AMERICA
Address	1725 DUKE ST STE 250
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314
Programs	RCRAINFO
Program Interests	SQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAR000001438

Location	38.80283, -77.07286
Distance to site	2028 ft / 0.38 mi NW
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005215882*
EPA Identifier	110005215882
Primary Name	U S ARMY TAPC (PERSCOM)
Address	200 STOVALL ST
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22332
Programs	RCRAINFO
Program Interests	CESQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VA0033199258

US RCRA Generators (CESQG, SQG, LQG)

Location	38.80394, -77.0742
Distance to site	2567 ft / 0.49 mi NW
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005230927*
EPA Identifier	110005230927
Primary Name	SYSTEMS MAINTENANCE BUILDING
Address	195 TELEGRAPH ROAD
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314
NAICS Codes	485111
Programs	RCRAINFO
Program Interests	SQG
Updated On	30-JUL-13
Recorded On	01-MAR-00
NAICS Descriptions	MIXED MODE TRANSIT SYSTEMS.
Program ID	VAD981111842

Location	38.8061, -77.07324
Distance to site	2895 ft / 0.55 mi NW
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005215926*
EPA Identifier	110005215926
Primary Name	USPS-ALEXANDRIA VMF
Address	2300 DUKE ST
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314
Programs	RCRAINFO
Program Interests	CESQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VA0180090029

US RCRA Generators (CESQG, SQG, LQG)

Location	38.79685, -77.07632
Distance to site	2967 ft / 0.56 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005247232*
EPA Identifier	110005247232
Primary Name	VSE CORPORATION
Address	2550 HUNTINGTON AVE
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	223030000
NAICS Codes	336992
SIC Codes	3711, PRIV
SIC Descriptions	MOTOR VEHICLES AND PASSENGER CAR BODIES
Programs	AIRS/AFS, RCRAINFO
Program Interests	AIR MINOR, SQG
Updated On	30-APR-14
Recorded On	01-MAR-00
NAICS Descriptions	MILITARY ARMORED VEHICLE, TANK, AND TANK COMPONENT MANUFACTURING.
Program ID	5105900985

Location	38.79727, -77.07727
Distance to site	3166 ft / 0.6 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005291638*
EPA Identifier	110005291638
Primary Name	ITT INDUSTRIES AES DIVISION
Address	2560 HUNTINGTON AVE
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	22303
Programs	RCRAINFO
Program Interests	CESQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAR000500207

US RCRA Generators (CESQG, SQG, LQG)

Location	38.79718, -77.07742
Distance to site	3216 ft / 0.61 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110006455647*
EPA Identifier	110006455647
Primary Name	A-ONE AUTO SERVICE INC
Address	2715 HUNTINGTON AVE
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	22303
Programs	RCRAINFO
Program Interests	SQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAD981935869

Location	38.80377, -77.0554
Distance to site	3495 ft / 0.66 mi E
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110016710175*
EPA Identifier	110016710175
Primary Name	BAE SYSTEMS, ATI
Address	1400-A DUKE STREET
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314-3403
Programs	RCRAINFO
Program Interests	CESQG
Updated On	09-AUG-10
Recorded On	13-FEB-04
Program ID	VAR000506584

US RCRA Generators (CESQG, SQG, LQG)

Location	38.79797, -77.07874
Distance to site	3503 ft / 0.66 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110006455451*
EPA Identifier	110006455451
Primary Name	LEE'S AUTO BODY & PAINT
Address	2634 HUNTINGTON AVE
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	22303
Programs	RCRAINFO
Program Interests	SQG
Updated On	01-MAR-11
Recorded On	01-MAR-00
Program ID	VAD981112261

Location	38.79123, -77.06094
Distance to site	3603 ft / 0.68 mi SE
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110027235757*
EPA Identifier	110027235757
Primary Name	OURISMAN CHEVROLET BUICK GMC OF ALEXANDR
Address	1800 OLD RICHMOND HWY
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	22303
NAICS Codes	811121
SIC Codes	7532, PRIV
SIC Descriptions	TOP, BODY, AND UPHOLSTERY REPAIR SHOPS AND PAINT SHOPS
Programs	AIRS/AFS, RCRAINFO
Program Interests	AIR MINOR, SQG
Updated On	01-MAY-14
Recorded On	02-NOV-06
NAICS Descriptions	AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE.
Program ID	5105900911

US RCRA Generators (CESQG, SQG, LQG)

Location	38.80669, -77.07646
Distance to site	3690 ft / 0.7 mi NW
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005247722*
EPA Identifier	110005247722
Primary Name	PHC CORP DBA BAVARIAN MOTORMAINT
Address	2712 DUKE ST
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314
Programs	RCRAINFO
Program Interests	CESQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAD988204632

Location	38.8061, -77.05634
Distance to site	3693 ft / 0.7 mi NE
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005230981*
EPA Identifier	110005230981
Primary Name	ALEXANDRIA AUTO BODY INC
Address	1634 KING ST
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314
Programs	RCRAINFO
Program Interests	SQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAD981112394

US RCRA Generators (CESQG, SQG, LQG)

Location	38.79156, -77.05871
Distance to site	3836 ft / 0.73 mi SE
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002032755*
EPA Identifier	110002032755
Primary Name	BELLE HAVEN MOBIL
Address	5863 RICHMOND HIGHWAY
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22303-1802
Programs	RCRAINFO
Program Interests	SQG
Updated On	06-OCT-11
Recorded On	01-MAR-00
Program ID	VAD988197752

Location	38.79202, -77.05763
Distance to site	3897 ft / 0.74 mi SE
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005244397*
EPA Identifier	110005244397
Primary Name	AMOCO #1220-TANKS
Address	5831 RICHMOND HWY
City	ALEXANDRIA
County	FAIRFAX CITY
State	VA
Zipcode	22303
Programs	RCRAINFO
Program Interests	SQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAD988198578

US RCRA Generators (CESQG, SQG, LQG)

Location	38.78884, -77.06563
Distance to site	4090 ft / 0.77 mi S
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002031569*
EPA Identifier	110002031569
Primary Name	GATEWAY CLEANERS
Address	5956 RICHMOND HWY
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	223030000
NAICS Codes	812320
SIC Codes	7216, PRIV
SIC Descriptions	DRYCLEANING PLANTS, EXCEPT RUG CLEANING
Programs	AIRS/AFS, CEDS, RCRAINFO
Program Interests	AIR MINOR, SQG, STATE MASTER
Updated On	30-APR-14
Recorded On	01-MAR-00
NAICS Descriptions	DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED).
Program ID	5105900173

Location	38.79753, -77.08095
Distance to site	4149 ft / 0.79 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110006457155*
EPA Identifier	110006457155
Primary Name	EXXONMOBIL OIL CORPORATION 25401
Address	5640 TELEGRAPH RD
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	22303
Programs	BR, RCRAINFO
Program Interests	CESQG, HAZARDOUS WASTE BIENNIAL REPORTER
Updated On	24-FEB-11
Recorded On	01-MAR-00
Program ID	VAD988195624

US RCRA Generators (CESQG, SQG, LQG)

Location	38.80691, -77.07853
Distance to site	4198 ft / 0.8 mi NW
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005227361*
EPA Identifier	110005227361
Primary Name	ALEXANDRIA ANIMAL HOSPITAL
Address	2660 DUKE ST
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314
Programs	RCRAINFO
Program Interests	SQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAD120835541

Location	38.79822, -77.05182
Distance to site	4286 ft / 0.81 mi E
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005253670*
EPA Identifier	110005253670
Primary Name	EXXON CO USA #27432
Address	700 S PATRICK ST
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314
Programs	RCRAINFO
Program Interests	CESQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAD988223194

US RCRA Generators (CESQG, SQG, LQG)

Location	38.79911, -77.05159
Distance to site	4313 ft / 0.82 mi E
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005232729*
EPA Identifier	110005232729
Primary Name	HESS STATION 46500
Address	620 SOUTH PATRICK ST
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314-4066
Programs	RCRAINFO
Program Interests	CESQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAD981946726

Location	38.79594, -77.08146
Distance to site	4450 ft / 0.84 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002032764*
EPA Identifier	110002032764
Primary Name	TELEGRAPH AMOCO
Address	5700 TELEGRAPH ROAD
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22303-1206
Programs	RCRAINFO
Program Interests	SQG
Updated On	06-OCT-11
Recorded On	01-MAR-00
Program ID	VAD981936867

US RCRA Generators (CESQG, SQG, LQG)

Location	38.8056, -77.05222
Distance to site	4598 ft / 0.87 mi E
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005227600*
EPA Identifier	110005227600
Primary Name	GOODYEAR AUTO SERVICE CTR - ALEXANDRIA
Address	1202 KING ST
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314
Programs	RCRAINFO
Program Interests	SQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAD126537794

Location	38.80577, -77.05231
Distance to site	4603 ft / 0.87 mi E
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110001905001*
EPA Identifier	110001905001
Primary Name	KINGDOM CLEANERS
Address	1131 KING STREET
City	ALEXANDRIA
County	ALEXANDRIA
State	VA
Zipcode	22314-2924
NAICS Codes	812320
SIC Codes	7216, PRIV
SIC Descriptions	DRYCLEANING PLANTS, EXCEPT RUG CLEANING
Programs	AIRS/AFS, CEDS, RCRAINFO
Program Interests	AIR MINOR, CESQG, STATE MASTER
Updated On	30-APR-14
Recorded On	01-MAR-00
NAICS Descriptions	DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED).
Program ID	5151000206

US RCRA Generators (CESQG, SQG, LQG)

Location	38.80537, -77.08162
Distance to site	4667 ft / 0.88 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005287313*
EPA Identifier	110005287313
Primary Name	OTIS ELEVATOR CO
Address	2916 BUSINESS CTR DR
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314-5224
Programs	RCRAINFO
Program Interests	SQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAR000008805

Location	38.79781, -77.0838
Distance to site	4927 ft / 0.93 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005245369*
EPA Identifier	110005245369
Primary Name	C&P TELEPHONE CO OF VA THE
Address	3101 BURGUNDY RD
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	22303
Programs	RCRAINFO
Program Interests	SQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAD988199840

US RCRA Generators (CESQG, SQG, LQG)

Location	38.79463, -77.08265
Distance to site	4941 ft / 0.94 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002031845*
EPA Identifier	110002031845
Primary Name	CK CLEANERS
Address	5735 TELEGRAPH ROAD
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	22303-1205
NAICS Codes	812320
SIC Codes	7216, PRIV
SIC Descriptions	DRYCLEANING PLANTS, EXCEPT RUG CLEANING
Programs	AIRS/AFS, CEDS, RCRAINFO
Program Interests	AIR MINOR, SQG, STATE MASTER
Updated On	30-APR-14
Recorded On	01-MAR-00
NAICS Descriptions	DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED).
Program ID	5105900188

Location	38.80279, -77.08384
Distance to site	4975 ft / 0.94 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110000826401*
EPA Identifier	110000826401
Primary Name	W M A T A CENTRAL MAINT FAC
Address	3101 EISENHOWER AVENUE
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314-4547
NAICS Codes	485111, D/OP B
SIC Codes	4111, OWNE
SIC Descriptions	LOCAL AND SUBURBAN TRANSIT
Programs	AIRS/AFS, BR, ICIS, RCRAINFO
Program Interests	AIR MINOR, ENFORCEMENT/COMPLIANCE ACTIVITY, HAZARDOUS WASTE BIENNIAL REPORTER, LQG
Updated On	29-JUN-14
Recorded On	01-MAR-00
NAICS Descriptions	MIXED MODE TRANSIT SYSTEMS.
Program ID	5151044014

US RCRA Generators (CESQG, SQG, LQG)

Location	38.7966, -77.04942
Distance to site	5073 ft / 0.96 mi E
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110020670807*
EPA Identifier	110020670807
Primary Name	SEVEN STAR CLEANERS
Address	806 S COLUMBUS ST
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314
NAICS Codes	812320
SIC Codes	7216, PRIV
SIC Descriptions	DRYCLEANING PLANTS, EXCEPT RUG CLEANING
Programs	AIRS/AFS, CEDS, RCRAINFO
Program Interests	AIR MINOR, SQG, STATE MASTER
Updated On	30-APR-14
Recorded On	16-FEB-05
NAICS Descriptions	DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED).
Program ID	5151000166

Location	38.79389, -77.08278
Distance to site	5088 ft / 0.96 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110006826836*
EPA Identifier	110006826836
Primary Name	OURISMAN DODGE
Address	5900 RICHMOND HWY
City	ALEXANDRIA
County	ALEXANDRIA
State	VA
Zipcode	223070000
NAICS Codes	441110
SIC Codes	5511, 7532, PRIV
SIC Descriptions	MOTOR VEHICLE DEALERS (NEW AND USED), TOP, BODY, AND UPHOLSTERY REPAIR SHOPS AND PAINT SHOPS
Programs	AIRS/AFS, RCRAINFO
Program Interests	AIR MINOR, SQG
Updated On	30-APR-14
Recorded On	01-MAR-00
NAICS Descriptions	NEW CAR DEALERS.
Program ID	5151000371

US RCRA Generators (CESQG, SQG, LQG)

Location	38.79389, -77.08278
Distance to site	5088 ft / 0.96 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005230605*
EPA Identifier	110005230605
Primary Name	COTTMAN TRANSMISSION
Address	2600 HUNTINGTON AVE
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	22303
Programs	RCRAINFO
Program Interests	SQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAD981109028

Location	38.79389, -77.08278
Distance to site	5088 ft / 0.96 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005248142*
EPA Identifier	110005248142
Primary Name	SUNOCO SERVICE STATION
Address	5928 RICHMOND HWY
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	22303
Programs	RCRAINFO
Program Interests	SQG, UNSPECIFIED UNIVERSE
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAD988205944

US RCRA Generators (CESQG, SQG, LQG)

Location	38.79389, -77.08278
Distance to site	5088 ft / 0.96 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110006455969*
EPA Identifier	110006455969
Primary Name	UNITED AIRLINES
Address	HANGER # 4 RAMP SIDE
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22303
Programs	RCRAINFO
Program Interests	SQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAD982673386

Location	38.79393, -77.08282
Distance to site	5092 ft / 0.96 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110000854816*
EPA Identifier	110000854816
Primary Name	HESS STATION 46211
Address	5710 TELEGRAPH RD
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	22303
Programs	RCRAINFO
Program Interests	CESQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VA0001016302

US RCRA Generators (CESQG, SQG, LQG)

Location	38.80735, -77.05101
Distance to site	5205 ft / 0.99 mi NE
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005223418*
EPA Identifier	110005223418
Primary Name	BRADHAM AUTO ELECTRIC INC
Address	220 N HENRY ST
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314
Programs	RCRAINFO
Program Interests	CESQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAD053382578

Location	38.80745, -77.08238
Distance to site	5216 ft / 0.99 mi NW
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005238251*
EPA Identifier	110005238251
Primary Name	DUKE ST LUBRICATION INC JIFFY LUBE 1104
Address	2912 DUKE ST
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314
Programs	RCRAINFO
Program Interests	CESQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAD988175030

US RCRA Generators (CESQG, SQG, LQG)

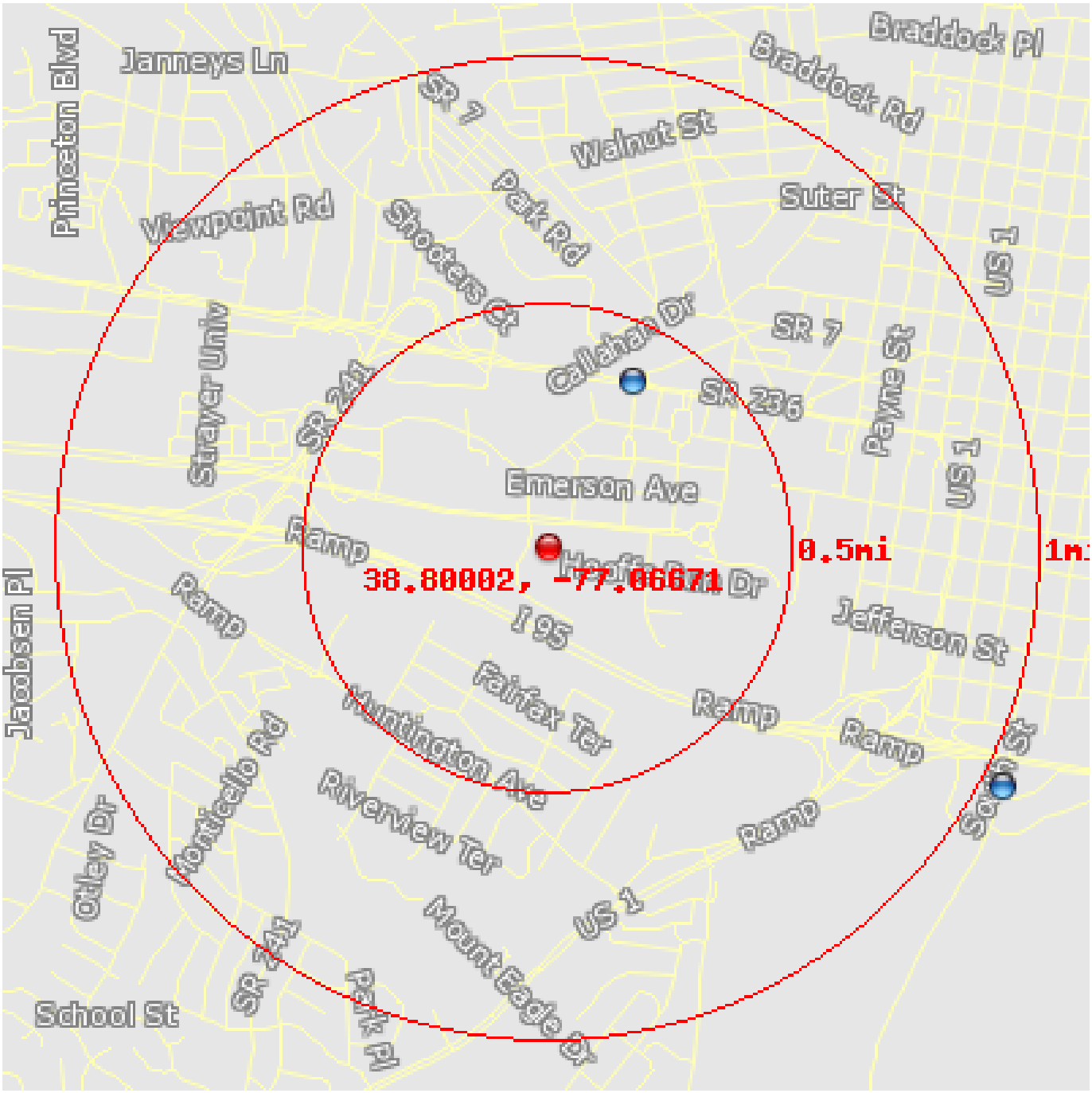
Location	38.80764, -77.05095
Distance to site	5275 ft / 1 mi NE
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005248008*
EPA Identifier	110005248008
Primary Name	MODERN MACHINE & PARTS INC
Address	228 NORTH HENRY ST
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314
Programs	RCRAINFO
Program Interests	CESQG
Updated On	09-AUG-10
Recorded On	01-MAR-00
Program ID	VAD988205357

US ACRES (Brownfields)

This database returned no results for your area.

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. The Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an online database for Brownfields Grantees to electronically submit data directly to The United States Environmental Protection Agency (EPA)

US NPDES



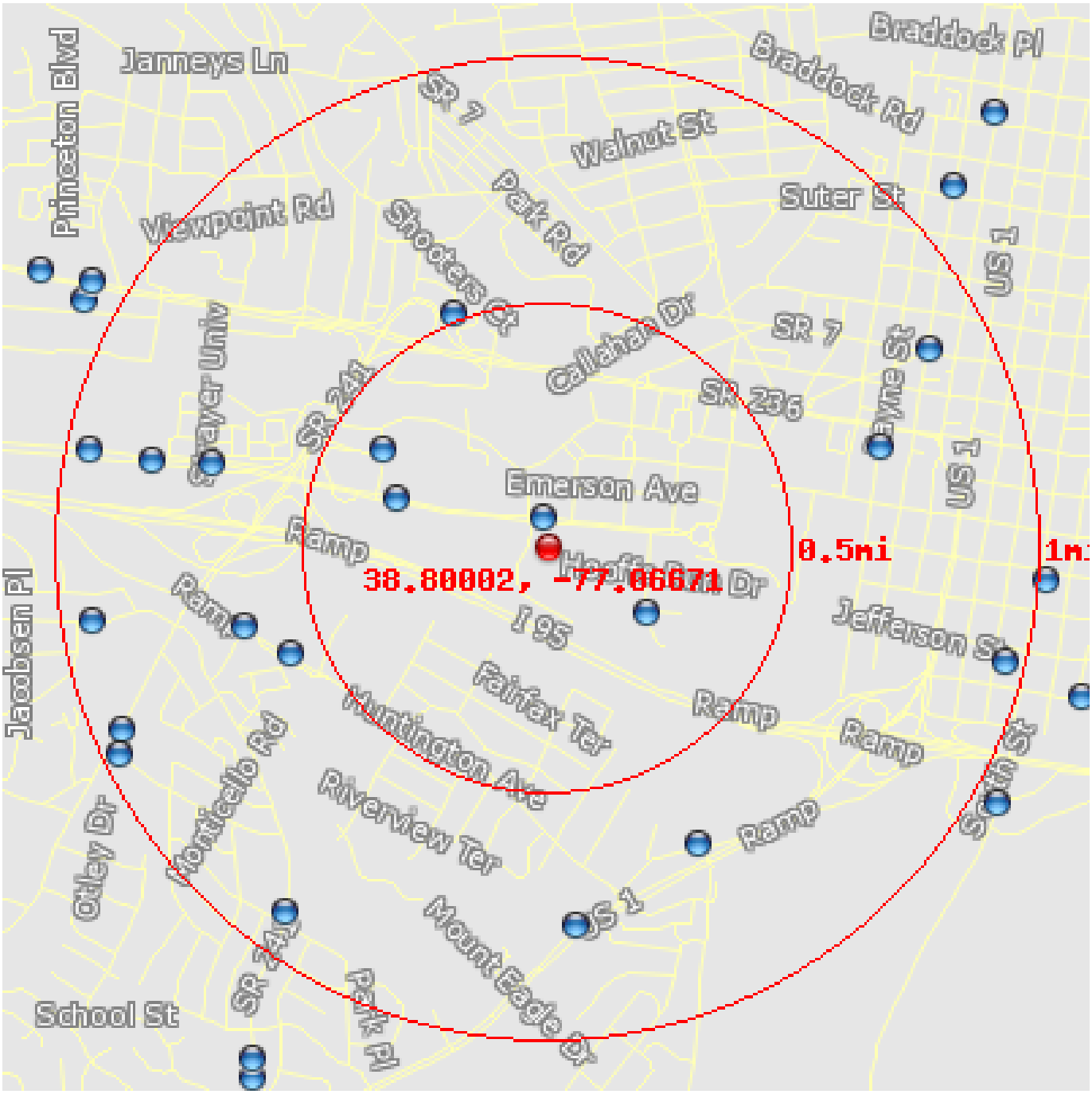
This database returned 1 results for your area.

The NPDES module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

US NPDES

Location	38.80476, -77.0634
Distance to site	1970 ft / 0.37 mi NE
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110009767207*
EPA Identifier	110009767207
Primary Name	CARLYLE DEVELOPMENT II
Address	DULANEY AND DUKE ST
City	ALEXANDRIA
County	ALEXANDRIA
State	VA
Zipcode	22314
SIC Codes	4959
SIC Descriptions	SANITARY SERVICES, NOT ELSEWHERE CLASSIFIED
Programs	NPDES
Program Interests	ICIS-NPDES NON-MAJOR
Updated On	05-MAR-13
Recorded On	01-MAR-00
Program ID	VA0090107

US Air Facility System (AIRS / AFS)



This database returned 19 results for your area.

The Air Facility System (AIRS / AFS) contains compliance and permit data for stationary sources of air pollution (such as electric power plants, steel mills, factories, and universities) regulated by EPA, state and local air pollution agencies. The information in AFS is used by the states to prepare State Implementation Plans (SIPs) and to track the compliance status of point sources with various regulatory programs under Clean Air Act.

US Air Facility System (AIRS / AFS)

Location	38.80081, -77.06677
Distance to site	290 ft / 0.05 mi N
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110043679533*
EPA Identifier	110043679533
Primary Name	CELTIC DEMOLITION - PORTABLE 52383
Address	2121 EISENHOWER AVE SUITE 200
City	ALEXANDRIA
County	ALEXANDRIA
State	VA
Zipcode	223140000
NAICS Codes	423320
SIC Codes	5032, PRIV
SIC Descriptions	BRICK, STONE, AND RELATED CONSTRUCTION MATERIALS
Programs	AIRS/AFS
Program Interests	AIR MINOR
Updated On	30-APR-14
Recorded On	28-JUL-11
NAICS Descriptions	BRICK, STONE, AND RELATED CONSTRUCTION MATERIAL MERCHANT WHOLESALERS
Program ID	5151052383

Location	38.79803, -77.06296
Distance to site	1291 ft / 0.24 mi SE
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110001891506*
EPA Identifier	110001891506
Primary Name	VIRGINIA CONCRETE ALEXANDRIA PLANT
Address	340 HOOFFS RUN DRIVE
City	ALEXANDRIA
County	ALEXANDRIA
State	VA
Zipcode	22314-4646
NAICS Codes	327320
SIC Codes	3273, PRIV
SIC Descriptions	READY-MIXED CONCRETE
Programs	AIRS/AFS, CEDS, OIL, TRIS
Program Interests	AIR MINOR, SPCC, STATE MASTER, TRI REPORTER
Updated On	30-APR-14
Recorded On	01-MAR-00
NAICS Descriptions	READY-MIX CONCRETE MANUFACTURING.
Program ID	22314VRGNC34HFF

US Air Facility System (AIRS / AFS)

Location	38.8014, -77.07232
Distance to site	1673 ft / 0.32 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110001891524*
EPA Identifier	110001891524
Primary Name	HOFFMAN MANAGEMENT
Address	2461 EISENHOWER AVE
City	ALEXANDRIA
County	ALEXANDRIA
State	VA
Zipcode	223140000
NAICS Codes	531120
SIC Codes	6512, PRIV
SIC Descriptions	OPERATORS OF NONRESIDENTIAL BUILDINGS
Programs	AIRS/AFS, CEDS
Program Interests	AIR MINOR, STATE MASTER
Updated On	30-APR-14
Recorded On	01-MAR-00
NAICS Descriptions	LESSORS OF NONRESIDENTIAL BUILDINGS (EXCEPT MINIWAREHOUSES).
Program ID	5151000133

Location	38.80283, -77.07286
Distance to site	2028 ft / 0.38 mi NW
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110024827080*
EPA Identifier	110024827080
Primary Name	SURFACE DEPLOYMENT DISTRIBUTION COMMAND
Address	200 STOVAL STREET
City	ALEXANDRIA
County	ALEXANDRIA
State	VA
Zipcode	223320000
NAICS Codes	928110
SIC Codes	9711, PRIV
SIC Descriptions	NATIONAL SECURITY
Programs	AIRS/AFS
Program Interests	AIR MINOR
Updated On	01-MAY-14
Recorded On	03-JUN-06
NAICS Descriptions	NATIONAL SECURITY.
Program ID	5151000367

US Air Facility System (AIRS / AFS)

Location	38.80681, -77.07017
Distance to site	2666 ft / 0.5 mi NW
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110020673715*
EPA Identifier	110020673715
Primary Name	FORT ELLSWORTH CONDO APARTMENTS
Address	18 ROBERTS LN STE 132
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314
NAICS Codes	531110
SIC Codes	6513, PRIV
SIC Descriptions	OPERATORS OF APARTMENT BUILDINGS
Programs	AIRS/AFS, CEDS
Program Interests	AIR MINOR, STATE MASTER
Updated On	30-APR-14
Recorded On	16-FEB-05
NAICS Descriptions	LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS.
Program ID	5151000123

Location	38.79685, -77.07632
Distance to site	2967 ft / 0.56 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005247232*
EPA Identifier	110005247232
Primary Name	VSE CORPORATION
Address	2550 HUNTINGTON AVE
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	223030000
NAICS Codes	336992
SIC Codes	3711, PRIV
SIC Descriptions	MOTOR VEHICLES AND PASSENGER CAR BODIES
Programs	AIRS/AFS, RCRAINFO
Program Interests	AIR MINOR, SQG
Updated On	30-APR-14
Recorded On	01-MAR-00
NAICS Descriptions	MILITARY ARMORED VEHICLE, TANK, AND TANK COMPONENT MANUFACTURING.
Program ID	5105900985

US Air Facility System (AIRS / AFS)

Location	38.79763, -77.07801
Distance to site	3330 ft / 0.63 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110037605703*
EPA Identifier	110037605703
Primary Name	HUNTINGTON AUTO BODY AND PAINT
Address	2600 HUNTINGTON AVE
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	223030000
NAICS Codes	811121
SIC Codes	7532, PRIV
SIC Descriptions	TOP, BODY, AND UPHOLSTERY REPAIR SHOPS AND PAINT SHOPS
Programs	AIRS/AFS
Program Interests	AIR MINOR
Updated On	01-MAY-14
Recorded On	06-JAN-09
NAICS Descriptions	AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE.
Program ID	5105901000

Location	38.79123, -77.06094
Distance to site	3603 ft / 0.68 mi SE
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110027235757*
EPA Identifier	110027235757
Primary Name	OURISMAN CHEVROLET BUICK GMC OF ALEXANDR
Address	1800 OLD RICHMOND HWY
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	22303
NAICS Codes	811121
SIC Codes	7532, PRIV
SIC Descriptions	TOP, BODY, AND UPHOLSTERY REPAIR SHOPS AND PAINT SHOPS
Programs	AIRS/AFS, RCRAINFO
Program Interests	AIR MINOR, SQG
Updated On	01-MAY-14
Recorded On	02-NOV-06
NAICS Descriptions	AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE.
Program ID	5105900911

US Air Facility System (AIRS / AFS)

Location	38.8024, -77.07931
Distance to site	3686 ft / 0.7 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110037604713*
EPA Identifier	110037604713
Primary Name	COURTYARD BY MARRIOTT - ALEXANDRIA OLD T
Address	2700 EISENHOWER AVE
City	ALEXANDRIA
County	ALEXANDRIA
State	VA
Zipcode	223140000
NAICS Codes	721110
SIC Codes	7011, PRIV
SIC Descriptions	HOTELS AND MOTELS
Programs	AIRS/AFS
Program Interests	AIR MINOR
Updated On	01-MAY-14
Recorded On	06-JAN-09
NAICS Descriptions	HOTELS (EXCEPT CASINO HOTELS) AND MOTELS.
Program ID	5151000392

Location	38.80285, -77.05417
Distance to site	3714 ft / 0.7 mi E
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110020670004*
EPA Identifier	110020670004
Primary Name	FANNON PETROLEUM SERVICES INC - SOUTH PAYNE STREET
Address	305 S PAYNE ST
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314
NAICS Codes	424710
SIC Codes	5171, PRIV
SIC Descriptions	PETROLEUM BULK STATIONS AND TERMINALS
Programs	AIRS/AFS, CEDS
Program Interests	AIR MINOR, STATE MASTER
Updated On	30-APR-14
Recorded On	16-FEB-05
NAICS Descriptions	PETROLEUM BULK STATIONS AND TERMINALS.
Program ID	5151000080

US Air Facility System (AIRS / AFS)

Location	38.78884, -77.06563
Distance to site	4090 ft / 0.77 mi S
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002031569*
EPA Identifier	110002031569
Primary Name	GATEWAY CLEANERS
Address	5956 RICHMOND HWY
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	223030000
NAICS Codes	812320
SIC Codes	7216, PRIV
SIC Descriptions	DRYCLEANING PLANTS, EXCEPT RUG CLEANING
Programs	AIRS/AFS, CEDS, RCRAINFO
Program Interests	AIR MINOR, SQG, STATE MASTER
Updated On	30-APR-14
Recorded On	01-MAR-00
NAICS Descriptions	DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED).
Program ID	5105900173

Location	38.8025, -77.08151
Distance to site	4306 ft / 0.82 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110020678079*
EPA Identifier	110020678079
Primary Name	REIT MANAGEMENT AND RESEARCH LLC
Address	2800 EISENHOWER AVE
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314-5204
NAICS Codes	452111, 531120
SIC Codes	6512, PRIV
SIC Descriptions	OPERATORS OF NONRESIDENTIAL BUILDINGS
Programs	AIRS/AFS, CEDS
Program Interests	AIR MINOR, STATE MASTER
Updated On	30-APR-14
Recorded On	16-FEB-05
NAICS Descriptions	DEPARTMENT STORES (EXCEPT DISCOUNT DEPARTMENT STORES)., LESSORS OF NONRESIDENTIAL BUILDINGS (EXCEPT MINIWAREHOUSES).
Program ID	5151000030

US Air Facility System (AIRS / AFS)

Location	38.80577, -77.05231
Distance to site	4603 ft / 0.87 mi E
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110001905001*
EPA Identifier	110001905001
Primary Name	KINGDOM CLEANERS
Address	1131 KING STREET
City	ALEXANDRIA
County	ALEXANDRIA
State	VA
Zipcode	22314-2924
NAICS Codes	812320
SIC Codes	7216, PRIV
SIC Descriptions	DRYCLEANING PLANTS, EXCEPT RUG CLEANING
Programs	AIRS/AFS, CEDS, RCRAINFO
Program Interests	AIR MINOR, CESQG, STATE MASTER
Updated On	30-APR-14
Recorded On	01-MAR-00
NAICS Descriptions	DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED).
Program ID	5151000206

Location	38.78927, -77.07647
Distance to site	4805 ft / 0.91 mi SW
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002032684*
EPA Identifier	110002032684
Primary Name	MAGIC TOUCH CLEANERS
Address	5900 N KINGS HWY
City	ALEXANDRIA
County	ALEXANDRIA
State	VA
Zipcode	223030000
NAICS Codes	812320
SIC Codes	7216, PRIV
SIC Descriptions	DRYCLEANING PLANTS, EXCEPT RUG CLEANING
Programs	AIRS/AFS, CEDS
Program Interests	AIR MINOR, STATE MASTER
Updated On	30-APR-14
Recorded On	01-MAR-00
NAICS Descriptions	DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED).
Program ID	5151000214

US Air Facility System (AIRS / AFS)

Location	38.79781, -77.0838
Distance to site	4927 ft / 0.93 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110043433567*
EPA Identifier	110043433567
Primary Name	BELL ATLANTIC - BURGUNDY ROAD
Address	3101 BURGUNDY RD
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	223030000
SIC Codes	4911, PRIV
SIC Descriptions	ELECTRIC SERVICES
Programs	AIRS/AFS
Program Interests	AIR MINOR
Updated On	30-APR-14
Recorded On	20-APR-11
Program ID	5105901066

Location	38.79463, -77.08265
Distance to site	4941 ft / 0.94 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002031845*
EPA Identifier	110002031845
Primary Name	CK CLEANERS
Address	5735 TELEGRAPH ROAD
City	ALEXANDRIA
County	FAIRFAX
State	VA
Zipcode	22303-1205
NAICS Codes	812320
SIC Codes	7216, PRIV
SIC Descriptions	DRYCLEANING PLANTS, EXCEPT RUG CLEANING
Programs	AIRS/AFS, CEDS, RCRAINFO
Program Interests	AIR MINOR, SQG, STATE MASTER
Updated On	30-APR-14
Recorded On	01-MAR-00
NAICS Descriptions	DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED).
Program ID	5105900188

US Air Facility System (AIRS / AFS)

Location	38.80279, -77.08384
Distance to site	4975 ft / 0.94 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110000826401*
EPA Identifier	110000826401
Primary Name	W M A T A CENTRAL MAINT FAC
Address	3101 EISENHOWER AVENUE
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314-4547
NAICS Codes	485111, D/OP B
SIC Codes	4111, OWNE
SIC Descriptions	LOCAL AND SUBURBAN TRANSIT
Programs	AIRS/AFS, BR, ICIS, RCRAINFO
Program Interests	AIR MINOR, ENFORCEMENT/COMPLIANCE ACTIVITY, HAZARDOUS WASTE BIENNIAL REPORTER, LQG
Updated On	29-JUN-14
Recorded On	01-MAR-00
NAICS Descriptions	MIXED MODE TRANSIT SYSTEMS.
Program ID	5151044014

Location	38.7966, -77.04942
Distance to site	5073 ft / 0.96 mi E
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110020670807*
EPA Identifier	110020670807
Primary Name	SEVEN STAR CLEANERS
Address	806 S COLUMBUS ST
City	ALEXANDRIA
County	ALEXANDRIA CITY
State	VA
Zipcode	22314
NAICS Codes	812320
SIC Codes	7216, PRIV
SIC Descriptions	DRYCLEANING PLANTS, EXCEPT RUG CLEANING
Programs	AIRS/AFS, CEDS, RCRAINFO
Program Interests	AIR MINOR, SQG, STATE MASTER
Updated On	30-APR-14
Recorded On	16-FEB-05
NAICS Descriptions	DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED).
Program ID	5151000166

US Air Facility System (AIRS / AFS)

Location	38.79389, -77.08278
Distance to site	5088 ft / 0.96 mi W
Info URL	*http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110006826836*
EPA Identifier	110006826836
Primary Name	OURISMAN DODGE
Address	5900 RICHMOND HWY
City	ALEXANDRIA
County	ALEXANDRIA
State	VA
Zipcode	223070000
NAICS Codes	441110
SIC Codes	5511, 7532, PRIV
SIC Descriptions	MOTOR VEHICLE DEALERS (NEW AND USED), TOP, BODY, AND UPHOLSTERY REPAIR SHOPS AND PAINT SHOPS
Programs	AIRS/AFS, RCRAINFO
Program Interests	AIR MINOR, SQG
Updated On	30-APR-14
Recorded On	01-MAR-00
NAICS Descriptions	NEW CAR DEALERS.
Program ID	5151000371

MD AUL

This database returned no results for your area.

Maryland Department of the Environment - Land Use Controls

DC Underground Storage Tanks

This database returned no results for your area.

Underground Storage Tanks (UST) containing hazardous or petroleum substances are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The Washington Department of Environmental Health Administration maintains a list of registered USTs.

MD Underground Storage Tanks

This database returned no results for your area.

Underground Storage Tanks (UST) containing hazardous or petroleum substances are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA).

The Oil Control Program within the Land Management Administration of the Maryland Department of the Environment regulates all oil-related activities, such as aboveground and underground oil storage facilities, oil-contaminated soil treatment facilities, and oil transportation. The Program oversees the installation, maintenance, operation and removal of oil storage tanks.

MD Leaking Underground Storage Tanks

This database returned no results for your area.

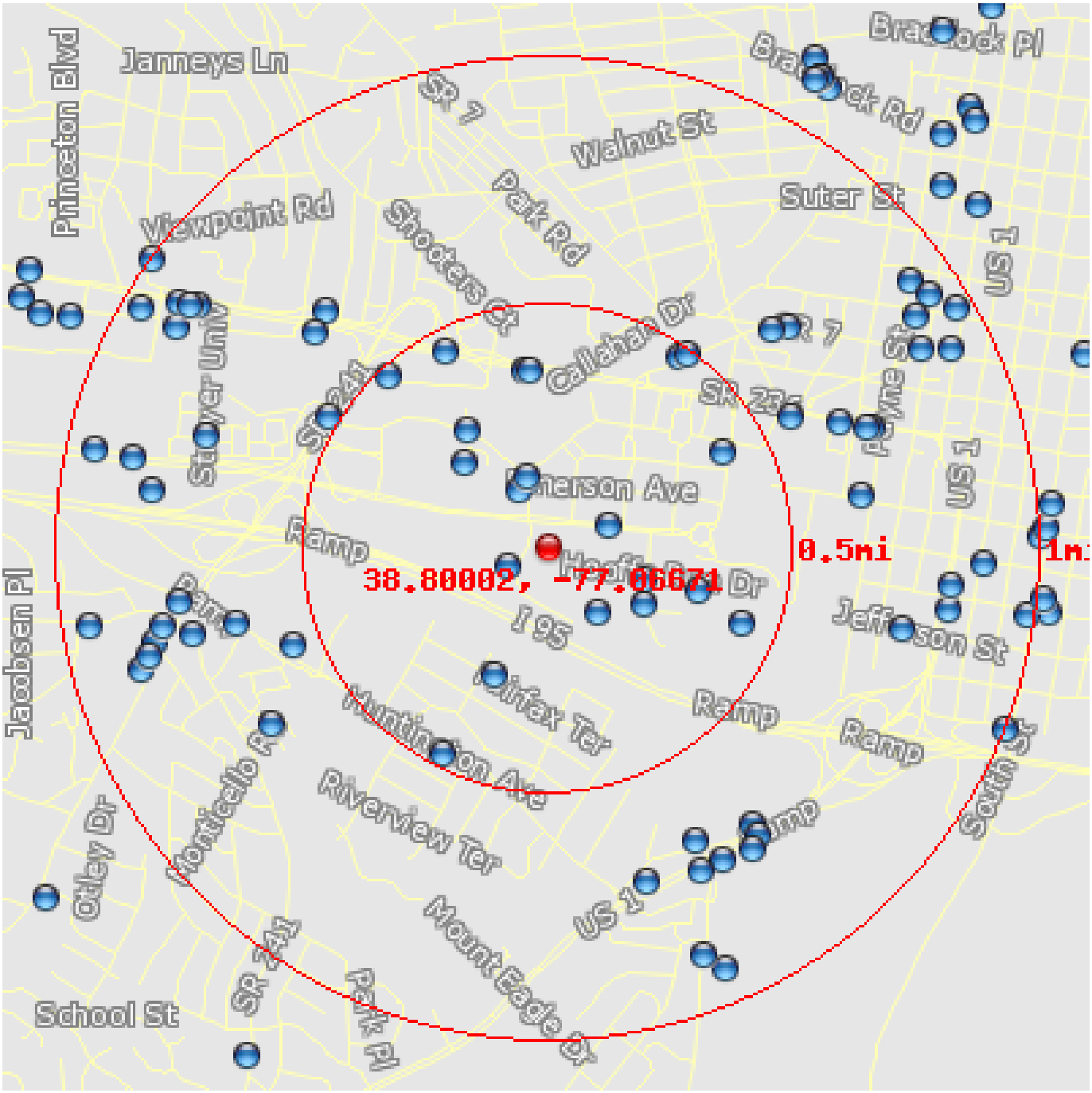
Information on Leaking underground storage tanks containing hazardous or petroleum substances is maintained by the Oil Control Program within the Land Management Administration of the Maryland Department of the Environment.

DC Aboveground Storage Tanks

This database returned no results for your area.

Regulation and inspection of above ground storage tanks is conducted by the Fire and Emergency Medical Services of the District of Columbia.

VA Underground Storage Tanks



This database returned 72 results for your area.

Underground Storage Tanks (UST) containing hazardous or petroleum substances are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The Virginia Department of Environmental Quality (DEQ) maintains a list of registered storage tanks.

DEQ implements the UST program under Article 9 of State Water Control Law. Article 9, first enacted in 1987, enables DEQ to receive UST notifications, receive federal grant funds, develop regulations , conduct cleanups, and provide overall supervision of UST activities in the state.

The State Water Control Board adopted a new regulation, 9 VAC 25-91-10 et seq. which consolidated the three repealed regulations, e.g., (i) Oil Discharge Contingency Plans and Administrative Fees for Approval, 9 VAC 25-90-10 et seq. (VR 680-14-07), (ii) Facility and Aboveground Storage Tank Registration Requirements, 9 VAC 25-130-10 et seq. (VR 680-14-12), and (iii) Aboveground Storage Tanks Pollution Prevention Requirements, 9 VAC 25-140-10 et seq. (VR 680-14-13), relating to facilities and ASTs located in the Commonwealth that have an aboveground storage capacity of 25,000 gallons or more of oil into a single regulation.

VA Underground Storage Tanks

Location	38.79936, -77.0681
Distance to site	463 ft / 0.09 mi SW
Facility ID	3003883
Name	American Trucking Association
Facility Type	COMMERCIAL
Address	2200 Mill Rd
City	Alexandria
Zip Code	22314

Location	38.80162, -77.06774
Distance to site	655 ft / 0.12 mi NW
Facility ID	3002045
Name	POTOMAC CONCRETE CONSTRUCTION CO
Facility Type	CONTRACTOR
Address	2318 Mill Rd
City	Alexandria
Zip Code	22314

Location	38.80182, -77.06742
Distance to site	689 ft / 0.13 mi N
Facility ID	3002566
Name	MILL ROAD FACILITY
Facility Type	COMMERCIAL
Address	2320 Mill Rd
City	Alexandria
Zip Code	22314

Location	38.80061, -77.06436
Distance to site	702 ft / 0.13 mi E
Facility ID	3011108
Name	GT METRO BUSINESS PARK
Facility Type	COMMERCIAL
Address	2034 Eisenhower Ave
City	Alexandria
Zip Code	22314

Location	38.802, -77.06744
Distance to site	751 ft / 0.14 mi N
Facility ID	3024619
Name	ALEXANDRIA SCRAP YARD
Facility Type	COMMERCIAL
Address	2324 Mill Rd
City	Alexandria
Zip Code	22314

VA Underground Storage Tanks

Location	38.79805, -77.0648
Distance to site	899 ft / 0.17 mi SE
Facility ID	3002928
Name	PUBLIC SAFETY CENTER / CITY JAIL
Facility Type	LOCAL
Address	2001 Mill Rd
City	Alexandria
Zip Code	22314

Location	38.79898, -77.06299
Distance to site	1125 ft / 0.21 mi E
Facility ID	3011130
Name	Dollar Rent A Car
Facility Type	COMMERCIAL
Address	330 Hoofs Run
City	Alexandria
Zip Code	22314

Location	38.79828, -77.06305
Distance to site	1219 ft / 0.23 mi SE
Facility ID	3001536
Name	AGRI
Facility Type	COMMERCIAL
Address	400 Hooffs Run Dr
City	Alexandria
Zip Code	22314

Location	38.80237, -77.06979
Distance to site	1226 ft / 0.23 mi NW
Facility ID	3017232
Name	RICHARDS AUTO REPAIR
Facility Type	COMMERCIAL
Address	2380 Mill Rd
City	Alexandria
Zip Code	22314

Location	38.8034, -77.0697
Distance to site	1498 ft / 0.28 mi NW
Facility ID	3000705
Name	CAMERON DISTRIBUTION CENTER
Facility Type	COMMERCIAL
Address	Mill Rd and Roberts Ln
City	Alexandria
Zip Code	22314

VA Underground Storage Tanks

Location	38.79617, -77.06868
Distance to site	1511 ft / 0.29 mi SW
Facility ID	3000979
Name	PLANT 9
Facility Type	LOCAL
Address	2200 Fairfax Ter
City	Alexandria
Zip Code	22303

Location	38.79868, -77.061
Distance to site	1697 ft / 0.32 mi E
Facility ID	3019488
Name	VIRGINIA CONCRETE - ALEXANDRIA PLANT
Facility Type	INDUSTRIAL
Address	340 Hooffs Run Dr
City	Alexandria
Zip Code	22314

Location	38.80509, -77.06735
Distance to site	1859 ft / 0.35 mi N
Facility ID	3022722
Name	USPS - Memorial Station
Facility Type	FEDERAL: NON-MILITARY
Address	2226 Duke St
City	Alexandria
Zip Code	22305

Location	38.80511, -77.06755
Distance to site	1872 ft / 0.35 mi N
Facility ID	3002143
Name	USPS ALEXANDRIA VEHICLE MAINTENANCE FACILITY
Facility Type	FEDERAL: NON-MILITARY
Address	2300 Duke St
City	Alexandria
Zip Code	22314

Location	38.80269, -77.06008
Distance to site	2123 ft / 0.4 mi E
Facility ID	3018718
Name	SOUTHERN RAILWAY CO
Facility Type	RAILROAD
Address	401 Holland Ln
City	Alexandria
Zip Code	22314

VA Underground Storage Tanks

Location	38.7977, -77.05938
Distance to site	2250 ft / 0.43 mi E
Facility ID	3002641
Name	ALEXANDRIA SANITATION AUTHORITY
Facility Type	LOCAL
Address	1500 Eisenhower Ave
City	Alexandria
Zip Code	22314

Location	38.80571, -77.07053
Distance to site	2344 ft / 0.44 mi NW
Facility ID	3003859
Name	COMMONWEALTH ATLANTIC PROPERTIES
Facility Type	COMMERCIAL
Address	2400 Duke St
City	Alexandria
Zip Code	22314

Location	38.80493, -77.07262
Distance to site	2458 ft / 0.47 mi NW
Facility ID	3010432
Name	J&H AITCHESON INC
Facility Type	COMMERCIAL
Address	100 S Dove St
City	Alexandria
Zip Code	22314

Location	38.80553, -77.06167
Distance to site	2469 ft / 0.47 mi NE
Facility ID	3024568
Name	OLIVER CARR CO
Facility Type	COMMERCIAL
Address	1930 Diagonal Rd
City	Alexandria
Zip Code	22314

Location	38.7939, -77.07059
Distance to site	2492 ft / 0.47 mi SW
Facility ID	3020237
Name	RESALE STORE
Facility Type	GAS STATION
Address	2245 Huntington Ave
City	Alexandria
Zip Code	22307

VA Underground Storage Tanks

Location	38.80561, -77.06139
Distance to site	2542 ft / 0.48 mi NE
Facility ID	3007667
Name	MOBIL S/S 16CAO / TEMPLE MOTOR CO (BUI
Facility Type	AUTO DEALER
Address	1912 Diagonal Rd
City	Alexandria
Zip Code	22314

Location	38.8038, -77.0749
Distance to site	2706 ft / 0.51 mi NW
Facility ID	3017102
Name	JAMES STEEL FABRICATORS INC
Facility Type	COMMERCIAL
Address	238 Telegraph Rd
City	Alexandria
Zip Code	22314

Location	38.7971, -77.07619
Distance to site	2899 ft / 0.55 mi W
Facility ID	3004432
Name	VSE CORP
Facility Type	COMMERCIAL
Address	2550 Huntington Ave
City	Alexandria
Zip Code	22303

Location	38.80378, -77.05756
Distance to site	2942 ft / 0.56 mi E
Facility ID	3007877
Name	SANTULLO INVESTMENTS INC
Facility Type	COMMERCIAL
Address	1456 Duke St
City	Alexandria
Zip Code	22314

Location	38.80633, -77.0582
Distance to site	3340 ft / 0.63 mi NE
Facility ID	3024607
Name	OLIVER CARR
Facility Type	UNKNOWN
Address	1640 King St
City	Alexandria
Zip Code	22304

VA Underground Storage Tanks

Location	38.80626, -77.07536
Distance to site	3353 ft / 0.63 mi NW
Facility ID	3017220
Name	JENSEN MFG CO INC
Facility Type	COMMERCIAL
Address	2644 Duke St
City	Alexandria
Zip Code	22314

Location	38.80359, -77.05566
Distance to site	3402 ft / 0.64 mi E
Facility ID	3007637
Name	MARTYS FLOOR COVERING COMPANY, INC
Facility Type	COMMERCIAL
Address	1400 Duke St
City	Alexandria
Zip Code	22313

Location	38.80146, -77.05486
Distance to site	3411 ft / 0.65 mi E
Facility ID	3038356
Name	Alexandria Warehouse Partnership
Facility Type	COMMERCIAL
Address	1325 Wilkes St
City	Alexandria
Zip Code	22514

Location	38.79775, -77.07836
Distance to site	3415 ft / 0.65 mi W
Facility ID	3005261
Name	A One Auto Service Inc
Facility Type	COMMERCIAL
Address	2715 Huntington Ave
City	Alexandria
Zip Code	22303

Location	38.8069, -77.07494
Distance to site	3433 ft / 0.65 mi NW
Facility ID	3015041
Name	BETTER TERMITE & PEST CONTROL
Facility Type	COMMERCIAL
Address	2647 Duke St
City	Alexandria
Zip Code	22231

VA Underground Storage Tanks

Location	38.8064, -77.05763
Distance to site	3478 ft / 0.66 mi NE
Facility ID	3001601
Name	BROWNS ALEXANDRIA MOTORS INC
Facility Type	AUTO DEALER
Address	1646 King St
City	Alexandria
Zip Code	22314

Location	38.79473, -77.07701
Distance to site	3508 ft / 0.66 mi SW
Facility ID	3018764
Name	HUNTINGTON CLUB CONDO
Facility Type	RESIDENTIAL
Address	2637 Wagon Dr
City	Alexandria
Zip Code	22303

Location	38.79137, -77.06109
Distance to site	3538 ft / 0.67 mi SE
Facility ID	3008309
Name	HERITAGE CHRYSLER PLYMOUTH SALES, INC
Facility Type	AUTO DEALER
Address	1800 Old Richmond Hwy
City	Alexandria
Zip Code	22303

Location	38.80348, -77.05468
Distance to site	3647 ft / 0.69 mi E
Facility ID	3002997
Name	Fannon Petroleum Services Inc
Facility Type	PETROLEUM DISTRIBUTOR
Address	1300 Duke St
City	Alexandria
Zip Code	22314

Location	38.80348, -77.05443
Distance to site	3714 ft / 0.7 mi E
Facility ID	3014794
Name	AMOCO OIL CO
Facility Type	GAS STATION
Address	1306 Duke St
City	Alexandria
Zip Code	22314

VA Underground Storage Tanks

Location	38.79181, -77.0589
Distance to site	3731 ft / 0.71 mi SE
Facility ID	3002026
Name	OURISMAN DODGE INC
Facility Type	AUTO DEALER
Address	5900 Richmond Hwy
City	Alexandria
Zip Code	22307

Location	38.79014, -77.06297
Distance to site	3758 ft / 0.71 mi S
Facility ID	3022104
Name	Sunoco 004-4586 / VDOT ROW
Facility Type	GAS STATION
Address	5928 Richmond Hwy
City	Alexandria
Zip Code	22303

Location	38.80318, -77.07944
Distance to site	3799 ft / 0.72 mi W
Facility ID	3003410
Name	AVALON FOUNDRY SITE
Facility Type	COMMERCIAL
Address	2700 Williamsburg St
City	Alexandria
Zip Code	22314

Location	38.79154, -77.05875
Distance to site	3834 ft / 0.73 mi SE
Facility ID	3037362
Name	FORMER HOWARD JOHNSONS
Facility Type	COMMERCIAL
Address	5821 Richmond Hwy
City	Alexandria
Zip Code	22303

Location	38.79046, -77.06093
Distance to site	3857 ft / 0.73 mi SE
Facility ID	3019100
Name	Texaco (23-068-0013)
Facility Type	GAS STATION
Address	5905 Richmond Hwy
City	Alexandria
Zip Code	22303

VA Underground Storage Tanks

Location	38.79076, -77.06007
Distance to site	3869 ft / 0.73 mi SE
Facility ID	3007703
Name	ConocoPhillips Mobil 2634961
Facility Type	GAS STATION
Address	5863 Richmond Hwy
City	Alexandria
Zip Code	22303

Location	38.79742, -77.07997
Distance to site	3889 ft / 0.74 mi W
Facility ID	3014795
Name	Amoco Oil Company
Facility Type	GAS STATION
Address	5633 N Kings Ave
City	Alexandria
Zip Code	22303

Location	38.79757, -77.05328
Distance to site	3922 ft / 0.74 mi E
Facility ID	3002926
Name	NANNIE LEE CENTER
Facility Type	LOCAL
Address	1108 Jefferson St
City	Alexandria
Zip Code	22315

Location	38.79111, -77.05894
Distance to site	3931 ft / 0.74 mi SE
Facility ID	3003713
Name	BP Amoco Station #1220
Facility Type	GAS STATION
Address	5831 Richmond Hwy
City	Alexandria
Zip Code	22303

Location	38.79833, -77.08054
Distance to site	3980 ft / 0.75 mi W
Facility ID	3036888
Name	BURGUNDY TEXACO
Facility Type	GAS STATION
Address	5630 Telegraph Rd
City	Alexandria
Zip Code	22309

VA Underground Storage Tanks

Location	38.79764, -77.08115
Distance to site	4198 ft / 0.8 mi W
Facility ID	3009944
Name	Exxon #25401
Facility Type	GAS STATION
Address	5640 Telegraph Rd
City	Alexandria
Zip Code	22303

Location	38.80164, -77.08148
Distance to site	4242 ft / 0.8 mi W
Facility ID	3002084
Name	REIT Management and Research LLC
Facility Type	COMMERCIAL
Address	2800 Eisenhower Ave
City	Alexandria
Zip Code	22314

Location	38.79718, -77.08144
Distance to site	4314 ft / 0.82 mi W
Facility ID	3038553
Name	More Gas & Service Station
Facility Type	GAS STATION
Address	5644 Telegraph Rd
City	Alexandria
Zip Code	22303

Location	38.79883, -77.0515
Distance to site	4348 ft / 0.82 mi E
Facility ID	3017722
Name	Hess 46500
Facility Type	GAS STATION
Address	620 S Patrick St
City	Alexandria
Zip Code	22314

Location	38.79811, -77.05157
Distance to site	4361 ft / 0.83 mi E
Facility ID	3015629
Name	Liberty Gas
Facility Type	GAS STATION
Address	700 S Patrick St
City	Alexandria
Zip Code	22314

VA Underground Storage Tanks

Location	38.79678, -77.08166
Distance to site	4412 ft / 0.84 mi W
Facility ID	3003691
Name	Telegraph Amoco
Facility Type	GAS STATION
Address	5700 Telegraph Rd
City	Alexandria
Zip Code	22303

Location	38.80254, -77.08219
Distance to site	4498 ft / 0.85 mi W
Facility ID	3011295
Name	WMATA - ALEXANDRIA RAIL YARD
Facility Type	LOCAL
Address	3101 Eisenhower Ave
City	Alexandria
Zip Code	22314

Location	38.807, -77.07975
Distance to site	4500 ft / 0.85 mi NW
Facility ID	3002854
Name	Duke Street Mobil
Facility Type	GAS STATION
Address	2838 Duke St
City	Alexandria
Zip Code	22314

Location	38.80578, -77.05265
Distance to site	4518 ft / 0.86 mi E
Facility ID	3016585
Name	GOODYEAR ASC 0237
Facility Type	COMMERCIAL
Address	1202 King St
City	Alexandria
Zip Code	22314

Location	38.79639, -77.08191
Distance to site	4521 ft / 0.86 mi W
Facility ID	3001841
Name	Hess Station 46211
Facility Type	GAS STATION
Address	5710 Telegraph Rd
City	Alexandria
Zip Code	22303

VA Underground Storage Tanks

Location	38.80639, -77.08059
Distance to site	4581 ft / 0.87 mi NW
Facility ID	3020124
Name	FRUIT GROWERS EXPRESS CO
Facility Type	COMMERCIAL
Address	20 Roth St
City	Alexandria
Zip Code	22314

Location	38.80706, -77.08009
Distance to site	4591 ft / 0.87 mi NW
Facility ID	3038131
Name	Jiffy Lube #1104
Facility Type	COMMERCIAL
Address	2912 Duke St
City	Alexandria
Zip Code	21234

Location	38.80674, -77.05279
Distance to site	4658 ft / 0.88 mi NE
Facility ID	3006719
Name	FIRE STATION #55
Facility Type	LOCAL
Address	1210 Cameron St
City	Alexandria
Zip Code	22314

Location	38.78803, -77.06081
Distance to site	4686 ft / 0.89 mi SE
Facility ID	3009081
Name	Belle Haven Towers Apartments
Facility Type	RESIDENTIAL
Address	6034 Richmond Hwy
City	Alexandria
Zip Code	22303

Location	38.79944, -77.05022
Distance to site	4694 ft / 0.89 mi E
Facility ID	3001580
Name	BECKER EQUIPMENT CO INC
Facility Type	COMMERCIAL
Address	820 Gibbon St
City	Alexandria
Zip Code	22314

VA Underground Storage Tanks

Location	38.80711, -77.08051
Distance to site	4700 ft / 0.89 mi NW
Facility ID	3014317
Name	Shell #3933
Facility Type	GAS STATION
Address	2922 Duke St
City	Alexandria
Zip Code	22314

Location	38.80573, -77.05154
Distance to site	4792 ft / 0.91 mi E
Facility ID	3037308
Name	1101 KING ST CONDOMINIUM ASSOCIATION
Facility Type	COMMERCIAL
Address	1101 King St
City	Alexandria
Zip Code	22314

Location	38.80775, -77.05304
Distance to site	4804 ft / 0.91 mi NE
Facility ID	3016095
Name	CHECK SODA & REFRIG CO INC
Facility Type	COMMERCIAL
Address	215 N Payne St
City	Alexandria
Zip Code	22314

Location	38.80738, -77.05228
Distance to site	4906 ft / 0.93 mi NE
Facility ID	3002243
Name	T D FRALEY & SONS INC
Facility Type	COMMERCIAL
Address	214 N Fayette St
City	Alexandria
Zip Code	22314

Location	38.78758, -77.06
Distance to site	4924 ft / 0.93 mi SE
Facility ID	3008169
Name	Belle Haven County Club
Facility Type	OTHER
Address	6023 Fort Hunt Rd
City	Alexandria
Zip Code	22307

VA Underground Storage Tanks

Location	38.80282, -77.08366
Distance to site	4929 ft / 0.93 mi W
Facility ID	3018645
Name	IVY H SMITH CO
Facility Type	COMMERCIAL
Address	3051 Eisenhower Ave
City	Alexandria
Zip Code	22314

Location	38.79759, -77.08389
Distance to site	4966 ft / 0.94 mi W
Facility ID	3005455
Name	BELL ATLANTIC
Facility Type	UTILITY
Address	3101 Burgundy Rd
City	Alexandria
Zip Code	22303

Location	38.80692, -77.08194
Distance to site	5010 ft / 0.95 mi NW
Facility ID	3007217
Name	A.A. BEIRO CONSTRUCTION CO INC
Facility Type	CONTRACTOR
Address	3015 Colvin St
City	Alexandria
Zip Code	22314

Location	38.80692, -77.05127
Distance to site	5062 ft / 0.96 mi NE
Facility ID	3024416
Name	V&P SERVICE STATION
Facility Type	GAS STATION
Address	200 N Henry St
City	Alexandria
Zip Code	22314

Location	38.80834, -77.0815
Distance to site	5187 ft / 0.98 mi NW
Facility ID	3001587
Name	BISHOP IRETON HIGH SCHOOL
Facility Type	COMMERCIAL
Address	201 Cambridge Rd
City	Alexandria
Zip Code	22314

VA Underground Storage Tanks

Location	38.79796, -77.04862
Distance to site	5199 ft / 0.98 mi E
Facility ID	3003650
Name	AMOCO OIL CO S/S 198
Facility Type	GAS STATION
Address	701 S Washington St
City	Alexandria
Zip Code	22314

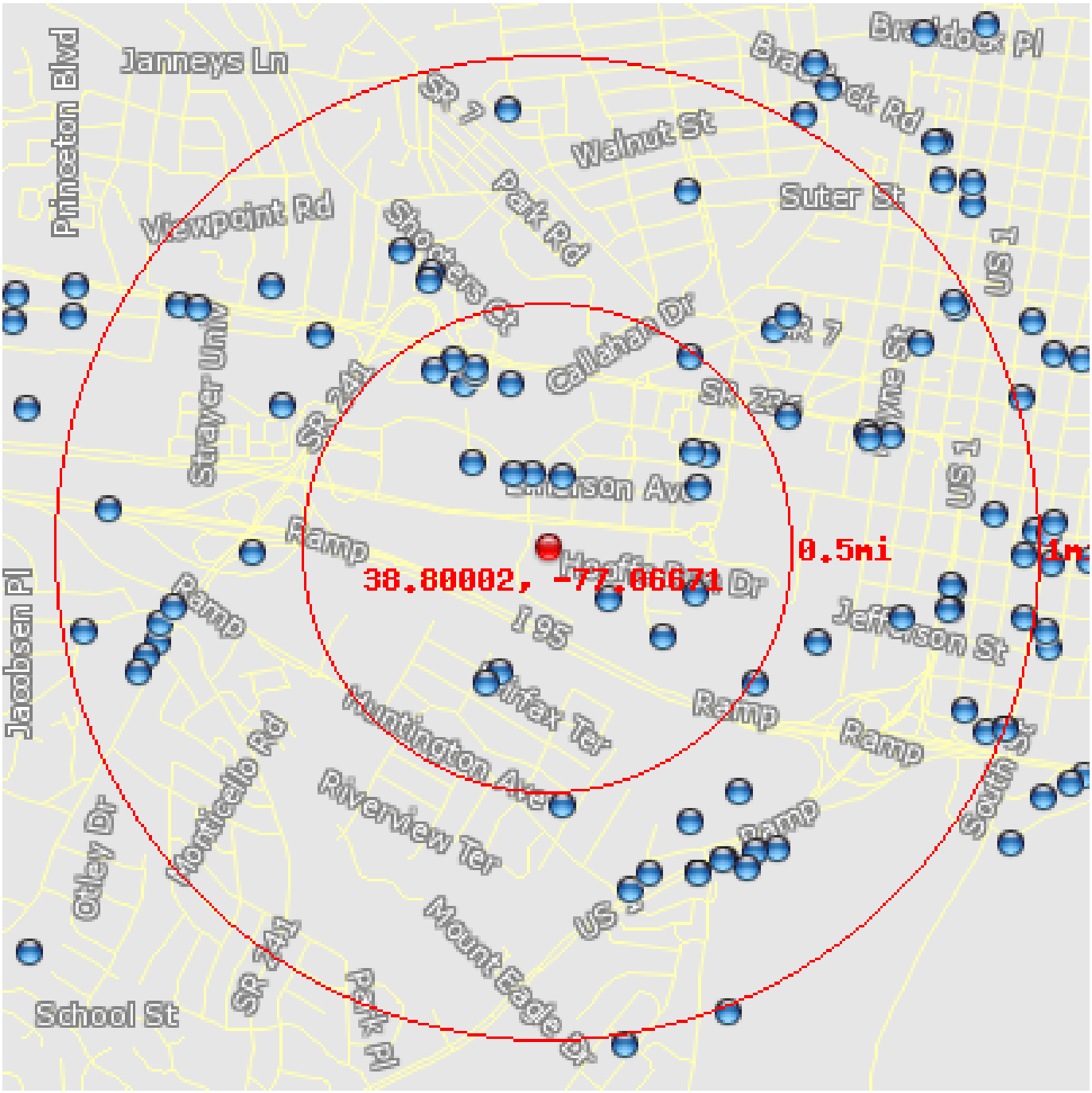
Location	38.80024, -77.04816
Distance to site	5278 ft / 1 mi E
Facility ID	3009852
Name	Exxon #29310
Facility Type	GAS STATION
Address	501 S Washington St
City	Alexandria
Zip Code	22314

MD Permitted Solid Waste Landfills

This database returned no results for your area.

The Maryland Department of the Environment, Land Management Administration, Solid Waste Program (MDE) maintains a listing of Permitted Solid Waste Acceptance Facilities (SWA). MDE regulates SWA facilities to ensure the proper disposal of solid waste in an environmentally acceptable manner while protecting the public health and the environment, including surface and groundwater.

VA Leaking Underground Storage Tanks



This database returned 74 results for your area.

Information on Leaking underground storage tanks containing hazardous or petroleum substances is maintained by the Virginia Department of Environmental Quality(DEQ)in their Petroleum Releases database.

VA Leaking Underground Storage Tanks

Location	38.80202, -77.06612
Distance to site	751 ft / 0.14 mi N
Address	401 Holland Ln
City	Alexandria
Zip Code	22314
Name	Norfolk Southern
Status	Closed

Location	38.80211, -77.06718
Distance to site	775 ft / 0.15 mi N
Address	2324 Mill Rd
City	Alexandria
Zip Code	22314
Name	Alexandria Scrap Yard(XREF 90-280 and 91-1290)
Status	Closed

Location	38.80209, -77.06793
Distance to site	831 ft / 0.16 mi NW
Address	2318 Mill Rd
City	Alexandria
Zip Code	22314
Name	Potomac Concrete
Status	Closed

Location	38.79845, -77.06432
Distance to site	890 ft / 0.17 mi SE
Address	2001 Mill Rd
City	Alexandria
Zip Code	22314
Name	Alexandria Public Safety Center
Status	Closed

Location	38.80244, -77.06945
Distance to site	1179 ft / 0.22 mi NW
Address	2380 Mill Rd
City	Alexandria
Zip Code	22314
Name	Richards Auto Repair
Status	Closed

VA Leaking Underground Storage Tanks

Location	38.79626, -77.06841
Distance to site	1455 ft / 0.28 mi SW
Address	2200 Fairfax Ter
City	Alexandria
Zip Code	22303
Name	Fairfax County Water Authority Plant 9
Status	Closed

Location	38.7973, -77.06229
Distance to site	1603 ft / 0.3 mi SE
Address	400 Hooffs Run Dr
City	Alexandria
Zip Code	22314
Name	Alexandria Go Cart
Status	Closed

Location	38.79595, -77.06893
Distance to site	1613 ft / 0.31 mi SW
Address	2200 Fairfax Ter
City	Alexandria
Zip Code	22303
Name	FCWA Plant 9 Maintenance Shop
Status	Closed

Location	38.79858, -77.06113
Distance to site	1672 ft / 0.32 mi E
Address	340 Hooffs Run Dr
City	Alexandria
Zip Code	22314
Name	Virginia Concrete
Status	Closed

Location	38.80169, -77.06095
Distance to site	1747 ft / 0.33 mi E
Address	425 Holland St
City	Alexandria
Zip Code	22314
Name	Alexandria Southern Property
Status	Closed

VA Leaking Underground Storage Tanks

Location	38.80474, -77.06803
Distance to site	1765 ft / 0.33 mi N
Address	2300 Duke St
City	Alexandria
Zip Code	22314
Name	US Post Office - Alexandria Vehicle Maintenance
Status	Closed

Location	38.80271, -77.06117
Distance to site	1856 ft / 0.35 mi NE
Address	401 Holland Ln
City	Alexandria
Zip Code	22314
Name	Norfolk Southern Shop
Status	Closed

Location	38.80474, -77.06976
Distance to site	1931 ft / 0.37 mi NW
Address	S Duke St and Dove St
City	Alexandria
Zip Code	22314
Name	Plantation Pipe Line - CSX Rail Line
Status	Closed

Location	38.80266, -77.06073
Distance to site	1955 ft / 0.37 mi NE
Address	401 Holland Ln
City	Alexandria
Zip Code	22314
Name	Norfolk Southern Railway
Status	Closed

Location	38.805, -77.06936
Distance to site	1967 ft / 0.37 mi NW
Address	2300 Duke St
City	Alexandria
Zip Code	22314
Name	USPS Alexandria Vehicle Maintenance Facility
Status	Closed

VA Leaking Underground Storage Tanks

Location	38.80515, -77.06937
Distance to site	2021 ft / 0.38 mi NW
Address	2300 Duke St
City	Alexandria
Zip Code	22314
Name	USPS - Alexandria Vehicle Maintenance
Status	Closed

Location	38.80546, -77.07014
Distance to site	2211 ft / 0.42 mi NW
Address	2350 Duke St
City	Alexandria
Zip Code	22314
Name	Central Properties
Status	Closed

Location	38.80515, -77.07089
Distance to site	2218 ft / 0.42 mi NW
Address	2400 Duke St
City	Alexandria
Zip Code	22314
Name	Commonwealth Atlantic Properties
Status	Closed

Location	38.80555, -77.06128
Distance to site	2541 ft / 0.48 mi NE
Address	1930 Diagonal Rd
City	Alexandria
Zip Code	22314
Name	Oliver Carr Company
Status	Closed

Location	38.796, -77.05881
Distance to site	2684 ft / 0.51 mi SE
Address	1500 Eisenhower Ave
City	Alexandria
Zip Code	22314
Name	Alexandria Sanitation Authority BNR Area
Status	Closed

VA Leaking Underground Storage Tanks

Location	38.79237, -77.06605
Distance to site	2798 ft / 0.53 mi S
Address	5818 Foley St
City	Alexandria
Zip Code	22303
Name	Madison Homes Property
Status	Closed

Location	38.8038, -77.05762
Distance to site	2930 ft / 0.55 mi NE
Address	1460 Duke St
City	Alexandria
Zip Code	22314
Name	Marriott Property
Status	Closed

Location	38.80775, -77.0711
Distance to site	3084 ft / 0.58 mi NW
Address	18 Roberts Ln Ste 132
City	Alexandria
Zip Code	22042
Name	Fort Ellsworth Condos 128H Roberts Lane
Status	Closed

Location	38.79715, -77.0565
Distance to site	3086 ft / 0.58 mi E
Address	1500 Eisenhower Ave
City	Alexandria
Zip Code	22314
Name	Alexandria Wastewater Treatment Plant
Status	Closed

Location	38.79977, -77.07772
Distance to site	3132 ft / 0.59 mi W
Address	Interstate 95 and Telegraph Rd
City	Alexandria
Zip Code	22314
Name	Fruit Packing Company (PReP)
Status	Closed

VA Leaking Underground Storage Tanks

Location	38.80799, -77.07095
Distance to site	3150 ft / 0.6 mi NW
Address	132 Robert Ln
City	Alexandria
Zip Code	22314
Name	Fort Ellsworth Condominiums
Status	Closed

Location	38.80408, -77.07659
Distance to site	3177 ft / 0.6 mi W
Address	195 Telegraph Rd
City	Alexandria
Zip Code	22314
Name	WMATA
Status	Closed

Location	38.80619, -77.07514
Distance to site	3289 ft / 0.62 mi NW
Address	2644 Duke St
City	Alexandria
Zip Code	22314
Name	Jensen Manufacturing
Status	Closed

Location	38.80627, -77.05816
Distance to site	3335 ft / 0.63 mi NE
Address	1640 King St
City	Alexandria
Zip Code	22304
Name	Oliver Carr
Status	Closed

Location	38.79189, -77.06128
Distance to site	3344 ft / 0.63 mi SE
Address	1800 Old Richmond Hwy
City	Alexandria
Zip Code	22303
Name	Heritage Chrysler Plymouth
Status	Closed

VA Leaking Underground Storage Tanks

Location	38.79276, -77.05948
Distance to site	3355 ft / 0.64 mi SE
Address	5900 Richmond Hwy
City	Alexandria
Zip Code	22307
Name	Ourisman Dodge
Status	Closed

Location	38.80865, -77.07207
Distance to site	3500 ft / 0.66 mi NW
Address	163 Hilton St
City	Alexandria
Zip Code	22314
Name	Ziesler Regina C Residence
Status	Closed

Location	38.80669, -77.05758
Distance to site	3560 ft / 0.67 mi NE
Address	1619 King St
City	Alexandria
Zip Code	22314
Name	Naval Reserve Association
Status	Closed

Location	38.8031, -77.0546
Distance to site	3622 ft / 0.69 mi E
Address	1300 Duke St
City	Alexandria
Zip Code	22314
Name	Fannon Petroleum - 1300 Duke Street
Status	Open

Location	38.80326, -77.05461
Distance to site	3639 ft / 0.69 mi E
Address	1300 Duke St
City	Alexandria
Zip Code	22314
Name	Fannon Petroleum Services - 1300 Duke Street
Status	Open

VA Leaking Underground Storage Tanks

Location	38.79035, -77.06281
Distance to site	3699 ft / 0.7 mi S
Address	5928 Richmond Hwy
City	Alexandria
Zip Code	22303
Name	Sunoco 0044586 - Belle Haven
Status	Closed

Location	38.78991, -77.0635
Distance to site	3800 ft / 0.72 mi S
Address	5938 Richmond Hwy
City	Huntington
Zip Code	22303
Name	VDOT - Dominos Pizza
Status	Closed

Location	38.80317, -77.05376
Distance to site	3859 ft / 0.73 mi E
Address	1200 Duke St
City	Alexandria
Zip Code	22314
Name	Fannon Petroleum - 1200 Duke Street
Status	Open

Location	38.79041, -77.06095
Distance to site	3871 ft / 0.73 mi SE
Address	5905 Richmond Hwy
City	Alexandria
Zip Code	22303
Name	Star Facility 230680013
Status	Closed

Location	38.79076, -77.06007
Distance to site	3871 ft / 0.73 mi SE
Address	5863 Richmond Hwy
City	Alexandria
Zip Code	22303
Name	ConocoPhillips Station 2634961
Status	Closed

VA Leaking Underground Storage Tanks

Location	38.79037, -77.06097
Distance to site	3880 ft / 0.73 mi SE
Address	5905 Richmond Hwy
City	Alexandria
Zip Code	22303
Name	Star Facility 230680013
Status	Closed

Location	38.79036, -77.061
Distance to site	3882 ft / 0.74 mi SE
Address	5905 Richmond Hwy
City	Alexandria
Zip Code	22303
Name	Star 230680013
Status	Closed

Location	38.79078, -77.05994
Distance to site	3883 ft / 0.74 mi SE
Address	5863 Richmond Hwy
City	Alexandria
Zip Code	22303
Name	Tosco 2634961 - former Mobil 16EPT
Status	Closed

Location	38.7979, -77.0533
Distance to site	3892 ft / 0.74 mi E
Address	722 Fayette St
City	Alexandria
Zip Code	22314
Name	Fayette Court
Status	Closed

Location	38.79105, -77.05886
Distance to site	3962 ft / 0.75 mi SE
Address	5831 Richmond Hwy
City	Alexandria
Zip Code	22303
Name	Amoco 1220
Status	Closed

VA Leaking Underground Storage Tanks

Location	38.80761, -77.07702
Distance to site	4032 ft / 0.76 mi NW
Address	2727 Duke St
City	Alexandria
Zip Code	22314
Name	Weed Property care of Phil Bates
Status	Closed

Location	38.79821, -77.08073
Distance to site	4040 ft / 0.77 mi W
Address	5634 Telegraph Rd
City	Alexandria
Name	Parcel 0831 01 0006A
Status	Closed

Location	38.79052, -77.05919
Distance to site	4072 ft / 0.77 mi SE
Address	5845 Richmond Hwy
City	Alexandria
Zip Code	22303
Name	Huntwood Plaza
Status	Closed

Location	38.81038, -77.06138
Distance to site	4075 ft / 0.77 mi NE
Address	21 W Linden Ave
City	Alexandria
Zip Code	22301
Name	Spoor Eleanor Residence
Status	Closed

Location	38.79113, -77.05801
Distance to site	4082 ft / 0.77 mi SE
Address	5821 Richmond Hwy
City	Alexandria
Zip Code	22303
Name	Howard Johnsons former
Status	Closed

VA Leaking Underground Storage Tanks

Location	38.79771, -77.08118
Distance to site	4201 ft / 0.8 mi W
Address	5640 Telegraph Rd
City	Alexandria
Zip Code	22303
Name	Exxon 25401
Status	Closed

Location	38.79713, -77.08135
Distance to site	4296 ft / 0.81 mi W
Address	5644 Telegraph Rd
City	Alexandria
Zip Code	22303
Name	Citgo - Burgundy
Status	Closed

Location	38.79879, -77.05145
Distance to site	4363 ft / 0.83 mi E
Address	620 S Patrick St
City	Alexandria
Zip Code	22314
Name	Merit Oil
Status	Closed

Location	38.79815, -77.05155
Distance to site	4365 ft / 0.83 mi E
Address	700 S Patrick St
City	Alexandria
Zip Code	22314
Name	Exxon 27432
Status	Closed

Location	38.79875, -77.05141
Distance to site	4375 ft / 0.83 mi E
Address	620 S Patrick St
City	Alexandria
Zip Code	22314
Name	Merit Oil
Status	Closed

VA Leaking Underground Storage Tanks

Location	38.79812, -77.05151
Distance to site	4380 ft / 0.83 mi E
Address	700 S Patrick St
City	Alexandria
Zip Code	22314
Name	Chevron 122153
Status	Closed

Location	38.79811, -77.0515
Distance to site	4382 ft / 0.83 mi E
Address	700 S Patrick St
City	Alexandria
Zip Code	22314
Name	Exxon 27432
Status	Closed

Location	38.79677, -77.08171
Distance to site	4427 ft / 0.84 mi W
Address	5700 Telegraph Rd
City	Alexandria
Zip Code	22303
Name	Amoco #782
Status	Closed

Location	38.80692, -77.07976
Distance to site	4483 ft / 0.85 mi NW
Address	2838 Duke St
City	Alexandria
Zip Code	22314
Name	Mobil - Ricks
Status	Closed

Location	38.80591, -77.05264
Distance to site	4544 ft / 0.86 mi NE
Address	1203 King St
City	Alexandria
Zip Code	22301
Name	Sewer Line
Status	Closed

VA Leaking Underground Storage Tanks

Location	38.79624, -77.08203
Distance to site	4570 ft / 0.87 mi W
Address	5710 Telegraph Rd
City	Alexandria
Zip Code	22303
Name	Hess 46211
Status	Closed

Location	38.81276, -77.06812
Distance to site	4667 ft / 0.88 mi N
Address	311 Rucker Pl
City	Alexandria
Zip Code	22301
Name	Hunt Property
Status	Closed

Location	38.80701, -77.08046
Distance to site	4670 ft / 0.88 mi NW
Address	2922 Duke St
City	Alexandria
Zip Code	22314
Name	Shell Service Station
Status	Open

Location	38.80104, -77.08311
Distance to site	4680 ft / 0.89 mi W
Address	Telegraph Rd
City	Alexandria
Zip Code	22314
Name	Earl Graham Truck
Status	Closed

Location	38.80086, -77.04989
Distance to site	4794 ft / 0.91 mi E
Address	500 S Alfred St
City	Alexandria
Zip Code	22314
Name	Old Town West Apartments
Status	Closed

VA Leaking Underground Storage Tanks

Location	38.7952, -77.05093
Distance to site	4820 ft / 0.91 mi E
Address	817 Church St
City	Alexandria
Zip Code	22314
Name	Carlin Harriett Residence
Status	Closed

Location	38.7975, -77.0841
Distance to site	5029 ft / 0.95 mi W
Address	3101 Burgundy Rd
City	Alexandria
Zip Code	22303
Name	Bell Atlantic
Status	Closed

Location	38.80696, -77.05128
Distance to site	5069 ft / 0.96 mi NE
Address	200 N Henry St
City	Alexandria
Zip Code	22314
Name	All Tune and Lube - V and P Service Station
Status	Closed

Location	38.80712, -77.05138
Distance to site	5071 ft / 0.96 mi NE
Address	200 N Henry St
City	Alexandria
Zip Code	22314
Name	Prescott Condominium Property
Status	Closed

Location	38.79455, -77.05021
Distance to site	5100 ft / 0.97 mi E
Address	714 Church St
City	Alexandria
Zip Code	22314
Name	Hatcher
Status	Closed

VA Leaking Underground Storage Tanks

Location	38.79966, -77.04869
Distance to site	5127 ft / 0.97 mi E
Address	555 S Washington St
City	Alexandria
Zip Code	22306
Name	Old Club
Status	Closed

Location	38.79788, -77.04876
Distance to site	5165 ft / 0.98 mi E
Address	701 S Washington St
City	Alexandria
Zip Code	22314
Name	Amoco 198
Status	Closed

Location	38.80039, -77.04832
Distance to site	5231 ft / 0.99 mi E
Address	501 S Washington St
City	Alexandria
Zip Code	22314
Name	Exxon 29310
Status	Closed

Location	38.79463, -77.04949
Distance to site	5278 ft / 1 mi E
Address	1001 S Washington St
City	Alexandria
Zip Code	22314
Name	Tosco 2635028 - former Mobil 16HK3
Status	Closed

MD Land Restoration Program Sites

This database returned no results for your area.

Maryland Department of the Environment (MDE), Land Restoration Program provides financial incentives for the redevelopment of brownfields, which are sites that either qualify for the Voluntary Cleanup Program or are contaminated by oil. Also administers the “Superfund” program, that assesses suspected hazardous waste sites, including federal facilities, to control and remove environmental and public Provides financial incentives for the redevelopment of brownfields, which are sites that either qualify for the Voluntary Cleanup Program or are contaminated by oil. Also, administers the “Superfund” program, that assesses suspected hazardous waste sites, including federal facilities, to control and remove environmental and public health threats through site cleanups and remedial actions. Types and Description of Land Restoration Program Sites (LRP) are as follows:

Voluntary Cleanup Program Sites:
Voluntary Cleanup Program sites are properties that have submitted applications for consideration in the Voluntary Cleanup Program. These sites may not have completed the VCP process.

National Priority List:
Site is currently listed on the EPA’s National Priorities List, a federal list of the nation’s most severely contaminated hazardous waste sites that are generally addressed under the lead of the EPA.

Brownfields:
A Brownfields Assessment has been or is currently being conducted by MDE. MDE has not developed a Brownfields list because of the stigma that may be attached to the sites included on such a list. However, some local jurisdictions and municipalities have compiled information on underutilized properties.

Site Assessment:
Sites listed on EPA’s Comprehensive Environmental Response, Compensation and Liability Information System that are being or have been assessed by a Preliminary Assessment, Site Investigation, Expanded Site Investigation or Focused Site Investigation.

Formerly Used Defense Site:
Sites that were once used by the military and may have suffered environmental contamination as a result of the military’s activities. FUDS are no longer under the jurisdiction, custody or control of the Secretary of the Department of Defense.

State Master List:
Site is listed on MDE’s State Master List which identifies potential hazardous waste sites in Maryland. The SML includes sites currently identified by the EPA’s Comprehensive Environmental Response, Compensation and Liability Information System. MDE is required to maintain a list of potential hazardous waste sites in the State.

Non Master List:
Includes sites that are currently under investigation by the Controlled Hazardous Substances Enforcement Division or have been previously investigated but are not listed on the State Master List. This category will be merged into the State Master List in the near future.

Groundwater Investigation:
Includes sites that were transferred to oversight by the Controlled Hazardous Substances Enforcement Division in 2004 from a defunct Groundwater Investigation Division. This category will be merged into the State Master List in the near future.

Federal Facility:
Sites under the jurisdiction, custody or control of the Secretary of the Department of Defense that are being assessed evaluated or remediated in compliance with the Comprehensive Environmental Response, Compensation and Liability Act.

VA Solid Waste Landfills

This database returned no results for your area.

The Solid Waste Landfill List (SWLF) database is provided by the Virginia Department of Environmental Quality and consists of open and closed solid waste disposal facilities and transfer stations.

MD Activity and Use Limitations

This database returned no results for your area.

Activity and Use Limitations (AULs), also known as Environmental Land-Use Controls (LUCs) – An AUL is a restriction, covenant or notice concerning the use of real property, which is imposed on real property. AULs and LUCs are further categorized as Institutional Controls (ICs) and Engineering Controls (ECs). An IC is a legal or regulatory restriction on the use of a property, limiting the use of groundwater and excavations or preventing such businesses as day care centers or schools on the property. An EC involves physical means of restricting site access or use in order to prevent the spreading or exposure of a contaminant. Frequently implemented engineering controls include requiring black top on the surface, building of structures to prevent exposure or even notices to the public that are posted on the grounds warning of contaminants.