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PHASE I REPORT

**CELL 9 VERTICAL EXPANSION
APPLICATION FOR PERMIT MODIFICATION
MDE REFUSE DISPOSAL PERMIT 2022-WMF-0240
MILLERSVILLE MUNICIPAL LANDFILL AND
RESOURCE RECOVERY FACILITY
389 BURNS CROSSING ROAD
SEVERN, MARYLAND**

*Professional Certification: I hereby
certify that this document was approved
by me, and that I am a duly licensed
Professional Engineer under the laws of
the State of Maryland,*

License No. 57584,

Expiration Date: 4/29/2025.

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1. INTRODUCTION

1.1 Terms of Reference

Maryland Regulation of Water Supply, Sewage Disposal, and Solid Waste, COMAR 26.04.07, establishes the Maryland Department of the Environment (MDE) as the permitting authority for sanitary landfills within the State, and the process for submittal, review, and approval or denial of such permits. As described in COMAR 26.04.07, the first step to permit a new or expanded sanitary landfill is the submission of a Phase I report along with a request for a permit. In accordance with this requirement, this report is prepared to apply for a refuse disposal permit modification for the vertical expansion of Cell 9 with no increase in footprint at the Millersville Municipal Landfill and Resource Recovery Facility (MLFRRF), located at 389 Burns Crossing Rd, Severn, Maryland. The MLFRRF operates under MDE refuse disposal permit number 2022-WMF-0240. This report is prepared by Geosyntec Consultants (Geosyntec) on behalf of the Anne Arundel County Department of Public Works (the County), the owner and operator of MLFRRF. This expansion is in accordance with the adopted Anne Arundel County 10-Year Solid Waste Management Plan and local zoning requirements, as documented in Attachment 1.

This Phase I Report is organized in a manner that is intended to address the specific requirements of COMAR 26.04.07.06. The remainder of this report is organized as follows:

- Section 2 describes how this report addresses and meets the regulatory requirements for the Phase I report;
- Section 3 presents the current layout of the facility and topographic features;
- Section 4 presents a description of soils at the site and surrounding area;
- Section 5 briefly presents the geology of the site and surrounding area;
- Section 6 presents general information regarding the proposed expansion; and
- Section 7 presents relevant references.

1.2 Description of the Existing Landfill

As shown on the area map provided as Figure 1, MLFRRF is located on a 565-acre parcel of land in Severn, Maryland. The facility is owned and operated by Anne Arundel County Bureau of Waste Management Services (WMS). MLFRRF began operating in 1975 and has approximately 269 acres permitted for waste disposal.

MLFRRF consists of nine waste disposal cells. Cell 1-East, Cell 2, Cell 4, Cells 5 through 7 (henceforth referred to as Cell 567), and Cell 8 are all separate fill areas that have been closed and received a final cover system, including a geomembrane cap and landfill gas collection system. Waste in Cell 3 and Cell 1-West was excavated and relocated into Cell 8 in 1994 and 1997, respectively.

Cell 9, as shown in Figure 2 is an 84-acre disposal area currently subdivided into five subcells (i.e., Subcells 9.1 through 9.5) and is currently the only remaining permitted cell available for waste disposal at MLFRRF. The permitted Cell 9 design was first developed as part of the Phase III Permit Application [Geosyntec, 1994] for the site, prepared by Geosyntec and permitted by Maryland Department of the Environment (MDE). Several revisions to the Cell 9 disposal area were subsequently re-permitted as part of the Subcell 9.1 project [SCS Engineers, 2014]. Construction of Subcell 9.1 was completed in late 2016, and construction of Subcell 9.2 was completed in March 2021. Both are currently receiving waste.

Landfill gas (LFG) is collected from Cells 1, 2, 4, 567, 8, and 9 at MLFRRF. The existing LFG collection system at the landfill consists of vertical gas extraction wells, transmission headers and lateral pipes, monitoring probes, condensate controls, blowers, and flares. Currently, LFG that is collected is being supplied to an LFG-to-electricity plant that generates electricity under a long-term contract with the County. As a result, collected LFG is only flared when the LFG-to-energy plant is off-line.

The proposed vertical expansion of MLFRRF, shown on Figure 3, will increase the maximum permitted elevation from 244 ft above mean sea level (ft-amsl) to 285 ft-amsl. No horizontal expansion is proposed at this time; the permitted waste disposal area will remain at 269 acres for the site and 84 acres for Cell 9.

2. PHASE I REPORT REQUIREMENTS

2.1 Overview

In this Section, a summary of the Phase I Report requirements is provided (in *italic type*), followed by a brief description of how the requirement is met or addressed in this report.

2.2 Phase I Report Requirements (COMAR 26.04.07.06.B)

- (1) *Completed and signed application form referenced in Regulation (26.04.07.05.B).*

The application form is included as Attachment 2. Information about the site's worker's compensation coverage, as required by the application form, is included as Attachment 3. A letter from the County demonstrating that the proposed facility meets all applicable County zoning and land use requirements and is in conformity with the County Solid Waste Management Plan, as required by the application form, is included as Attachment 1.

- (2) *Current U.S.G.S. 7.5-minute quadrangle map with the proposed site outlined.*

An area map reproduced from the USGS 7.5-minute quadrangle map is shown in Figure 1.

- (3) *Current topographic map, which is an accurate depiction of the site at the time of application, at a scale not smaller than 1 inch equals 200 feet, which depicts the property boundaries, on-site buildings and structures, and pertinent surficial features including but not limited to: (a) Springs, (b) Seeps, (c) Streams, (d) Rock outcrops, (e) Sink holes, (f) Surface impoundments, (g) Water wells, (h) Forested areas, and (i) The location of any buried or overhead power transmission lines, utility pipelines, or storage tanks on the property.*

The current topographic map of the site is shown in Figure 2. A narrative description of the topographic features is presented in Section 3 of this report.

- (4) *Map which depicts the surrounding zoning and land use within 1/2 mile of the site boundaries.*

Zoning of the surrounding area is shown in Figure 4. A narrative description is presented in Section 3 of this report.

- (5) *Map showing the distribution of the soils at the site.*

A U.S. Department of Agriculture (USDA) soil distribution map for the site and surrounding area is shown in Figure 5.

- (6) *Narrative description of the soils at the site.*

A narrative description of the soils at the site is presented in Section 4 of this report.

(7) *Map showing the geology at the site based on available data.*

The geology for Anne Arundel County is shown in Figure 6.

(8) *Narrative description of the geology at the site based on available data.*

A narrative description of the site geology is presented in Section 5 of this report.

(9) *Description of the proposed activity including: (a) Type of facility, (b) Area served, (c) Capacity, and (d) Types of waste accepted.*

A brief description of the proposed activity is provided in Section 6 of this report.

2.3 Additional Requirements

In anticipation of further MDE requirements for submission of a Phase I Report, Geosyntec has included the following attachments to this report:

(1) *Property Owners within 1,000-ft Radius of the MLFRRF*

A tabulated list of property owners within a 1,000-ft radius of the property boundary is provided in Attachment 4. The list was compiled based on information provided by Anne Arundel County Datasets, last updated January 12, 2023. Relevant portions of the map showing the location of the landfill and the parcels/lots of land conservatively identified to be within (or just beyond) a 1,000-ft distance of the MLFRRF property line are reproduced in the figures included in Attachment 4.

(2) *Notification to Federal Aviation Administration (FAA)*

On September 27, 2023, Geosyntec submitted to the Federal Aviation Administration (FAA) an online notification using FAA Form 7460-1 notifying FAA of the intention to vertically expand Cell 9 to a final elevation not to exceed 285 ft-amsl. This notification was processed by the FAA under Aeronautical Study Number 2023-AEA-13009-OE. At the request of the FAA, this notification was terminated on October 18, 2023, and a second set of seven notifications was submitted on October 17, 2023, representing six points on the perimeter berm and a seventh point at the top of the landfill. These notifications were processed by FAA under Aeronautical Study Numbers 2023-AEA-13766-OE through 2023-AEA-13772-OE. On December 6, 2023, the FAA issued letters of “Determination of No Hazard to Air Navigation” for all seven points. The documentation from the FAA online portal, and the letters of determination are included in Attachment 5.

3. SITE DESCRIPTION

3.1 Local Zoning and Site Topography

Existing site topography at MLFRRF is shown in Figure 2, while Figure 4 shows a zoning map of the surrounding area. The Site is bounded by Burns Crossing Road on the west, Dicus Mill Road to the south, and residential properties to the northwest, north, and east. The Site is zoned as a single parcel in a rural agricultural (RA) district. The residential properties to the northwest and north of the Site are zoned as low-density suburban single-family detached residential development (R1). The residential properties to the east of the Site and across Dicus Mill Road to the south are zoned as low-density rural single-family detached residential development (RLD). The residential properties across Burns Crossing Road to the southwest are zoned as low-density suburban single-family detached residential development (R2). The Site is screened from the adjacent residential properties by a line of trees.

The current topography in the vicinity of MLFRRF is based on an aerial survey conducted on December 29, 2022, and is shown in Figure 2. Cell 9 is located parallel to the southern property boundary and is the southern-most waste disposal cell. To the north of Cell 9 lie Joel Saline Way (a road), the Cell 9 stormwater management pond (Pond 9-2), Wells Branch (an intermittent stream), the other disposal cells, and the landfill gas infrastructure (LFG-to-energy plant and blower/flare station). To the west of Cell 9 lie the landfill facility entrance, residential recycling center, and various buildings. To the south and east of Cell 9 lie forested areas to the property boundary. Subcell 9.1 and 9.2 are currently the only active Subcells as Subcells 9.3 through Subcells 9.5 have yet to be constructed. The northern half of the future Subcells 9.3 and 9.4 has been cleared of vegetation and developed as a soil borrow area, while the northeast corner of the future Subcell 9.5 has been cleared of vegetation and developed as a recycling area. The remaining areas of Cell 9 are currently forested.

Cells 1 through 8 have all been closed with a geosynthetic capping system and vegetative cover and each have stormwater ponds associated with them. There are nine stormwater ponds around the site, with each of them serving different areas of the site.

Based on the USGS map (Figure 1), topographic map for the area (Figure 2), and various site inspections, no springs, seeps, rock outcrops, or sinkholes are present on or near the site. There are wooded areas surrounding MLFRRF on every side, and there is an intermittent stream (Wells Branch) running north of Cell 9 and south of Cell 8 and Cell 567 that is a tributary of the Severn Run River.

3.2 Existing Conditions and Land Use

Current site topography and existing conditions at MLFRRF are shown in Figure 2 and described in Section 1.2. Filling associated with the existing landfill is clearly shown. Cells 1 through 8 are currently inactive and closed, and a portion of Cell 9 (Subcells 9.1 and 9.2) is active for waste disposal. The landfill soil cover borrow/stockpile area is located within the future footprints of Subcells 9.3 and 9.4.

Existing structures in the MLFRRF area include the LFG-to-electricity plant that lies in between Cell 8 and Cell 567. Directly west of the LFG-to-electricity lies the blower/flare station. The leachate pretreatment building and storage tanks are located near the northwest corner of Cell 9. The facility entrance off of Burns Crossing Road leads to the scale facility. There is a maintenance shop and warehouse past the scale facility. A residential recycling center, including a cardboard recycling building, is located to the north of the facility entrance. The administration building is located to the south of the main facility entrance, off of Burns Crossing Road. There are overhead power transmission lines that run along an easement through the property, south of Cells 1, 2, and 4, and north of Cells 567 and 8. There are multiple groundwater monitoring wells and gas probes around the perimeter of the entire facility.

4. NARRATIVE DESCRIPTIONS OF SOILS

The USDA soil distribution map for the site and surrounding area is shown as Figure 5. According to the map, the proposed development area and the surrounding area have top soils classified as loamy sand.

4.1 Subsurface Investigation Programs

Multiple field investigation programs have been conducted at the MLFRRF site.

Green Associates, Inc./Century Engineering, Inc. (1969). Green Associates (which later became Century Engineering, Inc.) conducted a geotechnical exploration and advanced nine borings (X-series) around the site to between 25 and 30 ft depth. The borings showed primarily silty and clayey sands at the ground surface, underlain by low plasticity clays and silts.

Green Associates, Inc./Century Engineering, Inc. (1971). Green Associates conducted a geotechnical exploration and advanced 11 borings (B-series) around the site to between 25 and 79.5 ft depth. The borings showed primarily silty and clayey sands at the ground surface, underlain by low plasticity clays and silts.

Green Associates, Inc./Century Engineering, Inc. (1972). Green Associates conducted a geotechnical exploration and advanced 34 borings (F-series) around the site to between 16.5 and 53.8 ft depth. The borings showed primarily silty and clayey sands at the ground surface, underlain by low plasticity clays and silts.

Geoservices Inc./Geosyntec Consultants, Inc. and others (1975 to 2012). Geoservices (which then became Geosyntec Consultants) installed a series of groundwater monitoring wells (TW-series) between 1989 and 2012, to supplement a series of groundwater monitoring wells (TW-series) that had previously been installed in 1975 by others. These groundwater monitoring wells were installed to a depth of 20 to 175 ft below existing ground level. The borings showed primarily silty and clayey sands at the ground surface, underlain by low plasticity clays and silts.

Geoservices Inc./Geosyntec Consultants, Inc. and Gershman, Brickner and Bratton, Inc. (1989). Geoservices et al. conducted a field investigation as part of the Phase II Permit Modification Application for the redesign of Cells 8 and 9 at MLFRRF. The field investigation included advancing 12 geotechnical borings (G-series) around the site, some of which were converted to groundwater monitoring wells, to between 20 and 180 ft depth. The borings were consistent with others and showed primarily silty and clayey sands at the ground surface, underlain by low plasticity clays and silts.

Geosyntec Consultants (1991/1992). In 1991, Geosyntec advanced 12 geotechnical borings (H-series) to between 12.5 and 60 ft. In 1992, Geosyntec advanced 3 more series of geotechnical boring. The first series consisted of 18 geotechnical borings (J-series) around the perimeter of the property. These were between 8 and 66 ft deep and were converted to gas probes. The second series consisted of 42 geotechnical borings (K-series) advanced adjacent to the northern property perimeter pushed to depths between 4 and 100.5 ft. The last series consisted of 5 geotechnical borings (L series) conducted as part of an underground storage tank study. They were between 55 and 69 ft deep. All the borings predominantly found primarily silty and clayey sands at the ground surface, underlain by low plasticity clays and silts.

SCS Engineers (2011). SCS conducted a field investigation to support the design and construction of Subcell 9.1. The field investigation included advancing six geotechnical borings (SCS-1 through SCS-6). The borings were advanced to depths ranging between 17 and 55 feet. The borings were consistent with others and showed primarily silty and clayey sands at the ground surface, underlain by low plasticity clays and silts.

Geosyntec Consultants (2017). Geosyntec conducted a field investigation to support the design and construction of Subcell 9.2. The field investigation included advancing five geotechnical borings (B-1 through B-5), eight temporary piezometers, and four test pits. The borings were advanced to depths ranging between 60 and 75 feet. The borings were consistent with others and showed primarily silty and clayey sands at the ground surface, underlain by low plasticity clays and silts.

SCS Engineers (2017). SCS completed a southern boundary groundwater investigation in 2017 that included advancing three new monitoring wells (TW-10B, TW-31, and TW-32) in the vicinity of Subcells 9.4 and 9.5. The wells were advanced to depths ranging between 132 and 328 feet.

Froehling & Robertson, Inc. (2022). Froehling & Robertson conducted a geotechnical investigation in support of the West County Road Ops Yard project. Twenty-six total borings were advanced: 13 for the building (B-1 through B-13), one for the planned roadway (P-1), eight for the stormwater management facilities (SMW-1 through SMW-8), and four for the planned retaining walls (W-1 through W-4). The borings were advanced to depths ranging from 10 to 40 feet below existing grade. All borings encountered a silty sand, occasionally underlain by a sandy silt.

Geosyntec Consultants (2022). Geosyntec conducted a field investigation in support of the design and construction of Subcell 9.3. The field investigation consisted of seven geotechnical borings (B-1 through B-7), six temporary standpipe piezometers (P1 through P6), and four test pits (TP-1 through TP-4) in the footprint of Subcell 9.3, four geotechnical borings (B4-1 through B4-4) within the footprint of Subcell 9.4, and five geotechnical borings (B5-1 through B5-5) within the footprint of Subcell 9.5. The borings were advanced to depths varying from 25 to 88.5 feet.

According to the site investigations and laboratory tests, the site consists of up to 70 ft of sand, underlain by approximately 10 to 50 ft of clay, which is underlain by another sand layer. The upper sand primarily consists of an orange-brown to tan, poorly graded sand with interbedded gravel, silt, and clay, while the clay is a reddish-brown to grayish-brown lean clay with purple staining.

5. NARRATIVE DESCRIPTION OF THE GEOLOGY

5.1 Regional Geology

The existing MLFRRF is located in the Atlantic Coastal Plain physiographic province, which is bounded by the Piedmont Province on the west and the Atlantic Ocean Continental Shelf on the east. The Coastal Plain sediments in the Anne Arundel County area consist predominantly of unconsolidated sediments, known as the Potomac Group, overlain by the Magothy Formation.

The Magothy Formation consists of fine to coarse-grained sand predominantly made from quartz. The sediments of this formation can range from white to pale gray, or a brownish orange. This formation is interlaminated with dark gray silt to the northeast of the Severn River. In the vicinity of the site, the Magothy Formation may range from 3 to 60 ft thick.

The Potomac Group is made up of three distinct lithologic formations. These are, in descending order from the surface, the Patapsco, Arundel, and Patuxent Formations. These formations are composed of varying percentages of gravel, sand, silt, and clay derived from a continental source from erosion of the uplifted Piedmont Province.

The Patapsco Formation was deposited under continental conditions and is discussed in the literature as three units: the upper Patapsco unit, the confining bed unit, and the lower Patapsco unit. The sediments of this formation consist of interbedded clays, silts, and sands, with clay and silt typically comprising 40 to 60 percent of the formation. The sands are almost entirely quartz with trace amounts of feldspar and heavy minerals and occur as fine to coarse-grained particles, poorly to well-graded, clean to very clayey, and may be cross-bedded, flat or massively bedded. The clays are composed of kaolinite and illite. Below the site, the Patapsco Formation may be approximately 200 ft thick.

The Arundel Formation was deposited in a low energy meandering stream environment to continental marsh conditions. The sediments of this formation consist of red, red-yellow to brown clay with rare thin lenses of silt and sands. The predominant clay minerals are kaolinite and illite. This formation may be 100 or more feet thick beneath the site.

The Patuxent Formation consists of lenticular beds of sand, fine gravel, and clay with some silt. Lenses within the formation generally exhibit fining upward sequences and clay occlusions are commonly found in the sand and gravels. The Patuxent sands and gravels are predominantly quartzose. The clays are composed entirely of kaolinite and illite in varying proportions. Fragments of lignitized wood are common throughout the formation. In the vicinity of the site, the Patuxent Formation may be over 200 ft thick.

The bedrock surface upon which the Potomac Group and Magothy Formation lie is estimated to slope in a southeasterly direction at approximately 80 ft per mile. The pre-Cambrian-Paleozoic crystalline basement rock consists predominantly of gabbro and meta-gabbro along with gneiss, granite, pegmatite, diorite, and serpentine.

5.2 Site Geology

Surface geologic mapping in the vicinity of the landfill indicates that two soil units predominate in the area of Cell 9 (Glaser 1976). At the ground surface (particularly at the southern end of the site), the Magothy Formation, which is a predominantly sandy unit, predominates. Below the Magothy formation is the Potomac Group, specifically the upper Patapsco Formation. The upper Patapsco Formation generally consists of compact clay that is predominately dark red. Below the upper Patapsco Formation, the lower Patapsco Formation generally consists of coarse sands and gravel. Lenses of clay, silt, and sand are common in both the upper and lower Patapsco Formation with extreme variations in thickness and areal extent.

The uppermost native soil layer identified in the boring logs consists of an orange-brown to tan, poorly graded sand with interbedded gravel, silt, and clay (Sand I). The thickness of Sand I varies in the area of Cell 9 from approximately 0 to 70 feet, with the bottom of the Sand I layer encountered between approximately +130 to +140 feet amsl. Below Sand I is a reddish-brown to grayish-brown lean clay with purple staining (Clay I). The thickness of the Clay I layer varies in the area of Cell 9 from approximately 10 to 50 feet, with the bottom of the Clay I layer encountered between approximately +90 to +125 feet amsl. The Clay I layer is thickest in the northern portion of Cell 9 and thins to the south.

Below Clay I is a layer of light gray to brown silty to clayey sand with interbedded clay seams (Sand II). The bottom of the Sand II layer was encountered in only one boring (B-1) within Cell 9 at approximately +85 feet amsl, where a white or red lean clay with varying sand content was observed (Clay II). Based on reports of regional geology (GeoServices et al. 1989), a third sand layer (Sand III) is also likely present, with the top of Sand III located at approximately 0 feet amsl.

Considering the regional geologic map (Glaser 1976), Sand I is likely part of the Magothy Formation, Clay I and Sand II are likely part of the Upper Patapsco Formation, and Clay II and Sand III are likely part of the Lower Patapsco Formation.

5.3 Regional Groundwater

The eastern half of Anne Arundel County is marked by a series of peninsulas separated by Chesapeake Bay estuaries. The estuaries are extensive but shallow, generally less than 20 ft deep. Several of the estuaries extend inland more than half the width of the county. A few of the peninsulas are flat and low lying with irregular shorelines. However, some peninsulas, such as

along the Severn River, have steep escarpment. The highest elevation in the county is about 310 ft-amsl and is east of the town of Laurel in the northwestern part of the county. From this high point, the land surfaces slopes gently toward the Chesapeake Bay.

Anne Arundel County is underlain by a southeastward thickening wedge of unconsolidated sediments overlaying consolidated crystalline basement rocks of Precambrian or Early Cambrian age. The unconsolidated sediments consist of stratified layers of sand, gravel, silt, and clay. The unconsolidated sediment wedge thins to a few tens of feet near the fall zone to the northwest and is probably 2,000 ft thick in the southeastern part of the county. The sand and gravel strata comprise the major water bearing aquifers of the county. Within the county, the slope or dip of the aquifers vary. The deepest aquifer, the Patuxent Formation, dips to the southeast at 85 to 90 ft per mile, whereas the shallowest aquifer dips to the southeast at only 15 to 20 ft per mile.

The Potomac Group comprises the entire thickness of unconsolidated sediments in the northern part of the county. The Potomac group contains three distinct aquifers in Anne Arundel County; the upper Patapsco, lower Patapsco, and Patuxent. All three aquifers are confined, except in the outcrop areas where water-table or unconfined conditions exist. Confining layers separate the aquifers in most places. Water level records from clusters of wells that tap the different aquifers indicate that the sands are hydrologically separated from one another. The water level records show that pumping of water from one of the aquifers at a specific site commonly has no immediate effect on the water levels in the other aquifers (Mack and Achmad, 1986).

The Magothy Formation overlies the Potomac Group. According to Mack (1986), this aquifer is hydrologically connected in varying degrees with the underlying Patapsco aquifer. The Magothy Formation dips to the southeast at about 30 ft per mile and is utilized for water supply in the Annapolis Area.

5.4 Site Groundwater

There have been four groundwater zones identified in the vicinity of the MLFRRF. Zone 1 is located at the highest elevations of the site, mostly in the sands and gravels of the Magothy Formation (Geoservices et al. 1989). Groundwater in this area is unconfined and perched. During all or part of the year, this zone may be dry in some areas. The second groundwater zone (Zone 2) occurs in shallow sand zones within the Upper Patapsco Formation. In the southern area of the MLFRRF (i.e., Cell 9) this zone may be either unconfined or confined and is recharged directly from precipitation or leakage from the overlying perched aquifer (Zone 1). This layer is described as a series of disconnected, perched flow systems (Geosyntec 1998). The other groundwater zones at the site (Zones 3 and 4) are located at deeper elevations below the base grades of Cell 9.

6. DESCRIPTION OF PROPOSED ACTIVITIES

The existing MLFRRF serves as a municipal solid waste (MSW) landfill that serves Anne Arundel County, MD. As explained in Section 1.2, Cell 9 is currently the only active cell accepting waste at MLFRRF. The Cell 9 footprint covers approximately 84 acres and is being developed in phased subcells, with Subcells 9.1 and 9.2 currently constructed and accepting waste. The current permitted disposal capacity is approximately 8.5 million cubic yards. The currently permitted maximum landfill elevation is 244 ft-amsl. The proposed vertical expansion will raise the maximum landfill elevation to 285 ft-amsl and increase the disposal capacity to approximately 12.8 million cubic yards. The landfill, which is intended to serve only the residents and businesses of Anne Arundel County, will continue to accept residential and commercial solid waste (household refuse and waste from businesses, stores, and offices), bulky waste (household appliances and white goods), land clearing debris and yard waste, and construction and demolition (C&D) debris.

The increase in airspace from the proposed vertical expansion is anticipated to result from five design modifications:

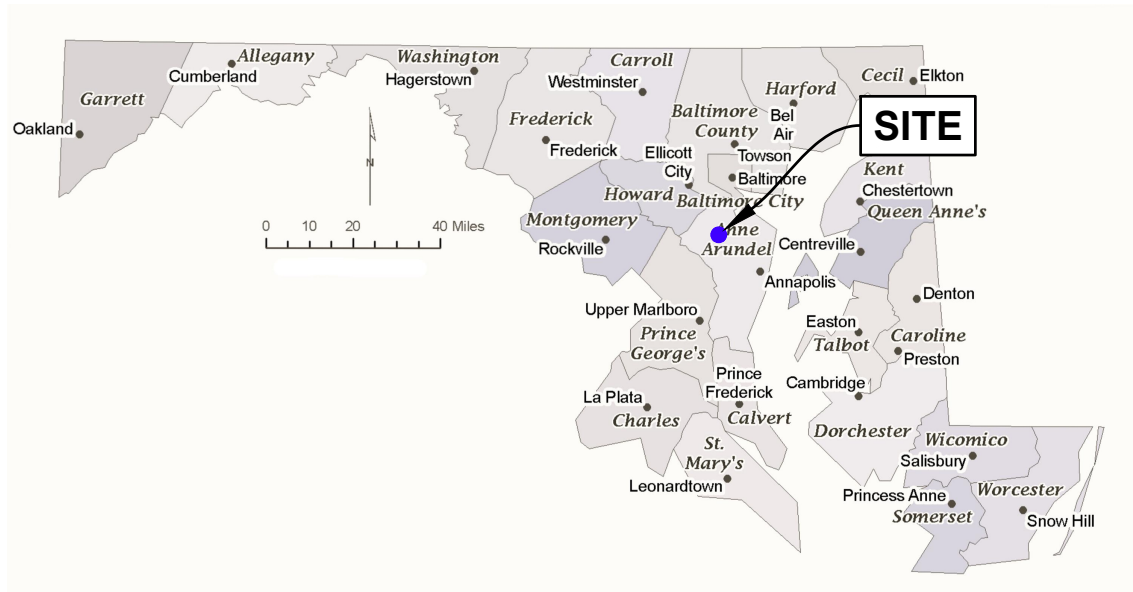
- steepening base grade interior sideslopes from 4H:1V to 3H:1V;
- steepening final cover exterior sideslopes from 3.5H:1V to 3H:1V;
- utilizing tack-on stormwater diversion benches in place of incised benches along the exterior sideslopes;
- increasing the landfill maximum elevation from 244 ft-amsl to 285 ft-amsl; and
- utilizing an exposed geomembrane cover in place of the currently approved final capping system.

Cell 9 is currently expected to run out of available permitted disposal capacity in 2048 (based on a fill rate of 140,000 ton per year and 1% annual growth). Using the same metrics, the expansion will allow the landfill to operate and accept MSW until approximately 2060.

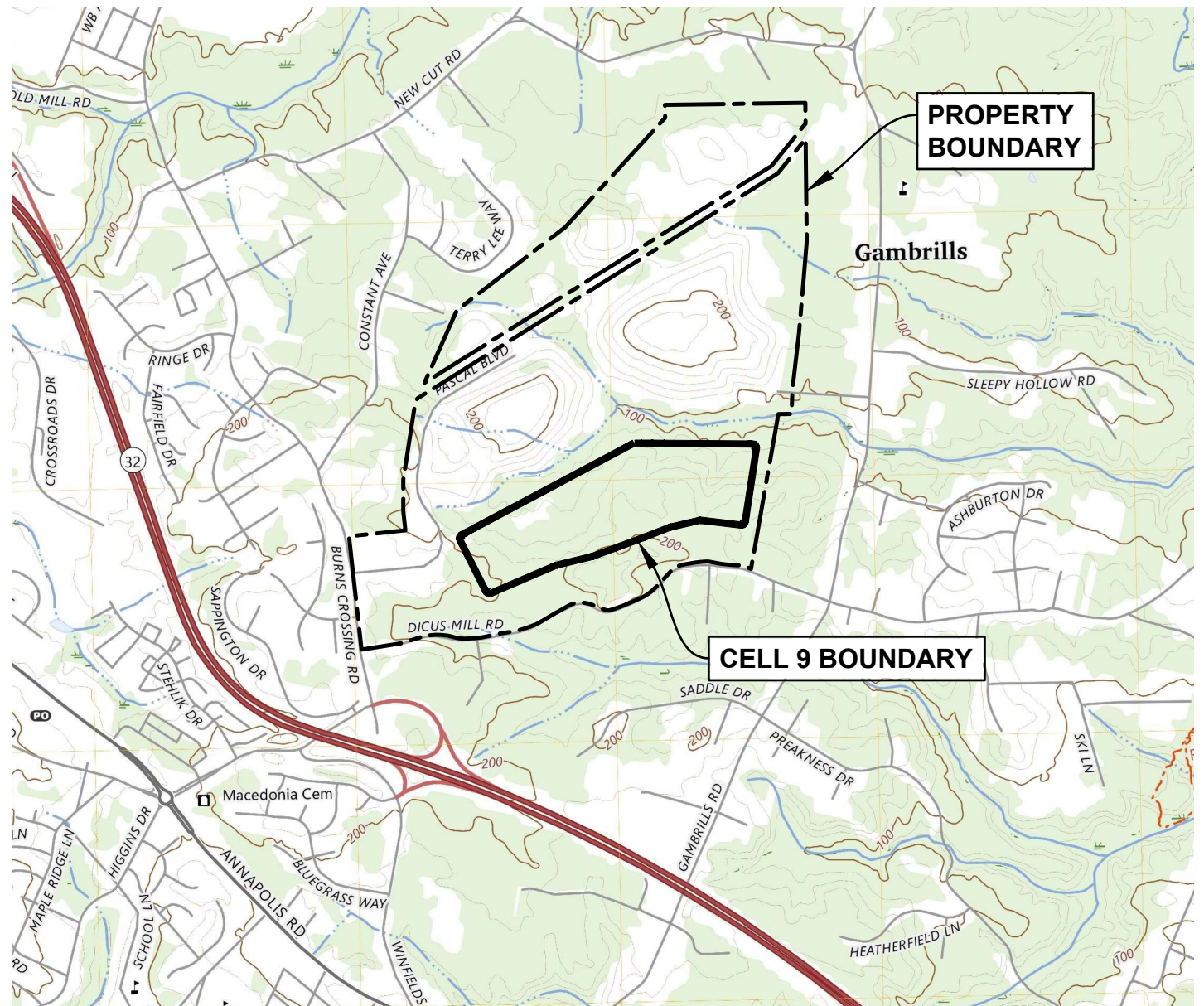
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- Openstreetmap Contributors, (2023)
- USGS, 7.5 Minute Series Quad Map: Odenton, MD, 2023.

FIGURES



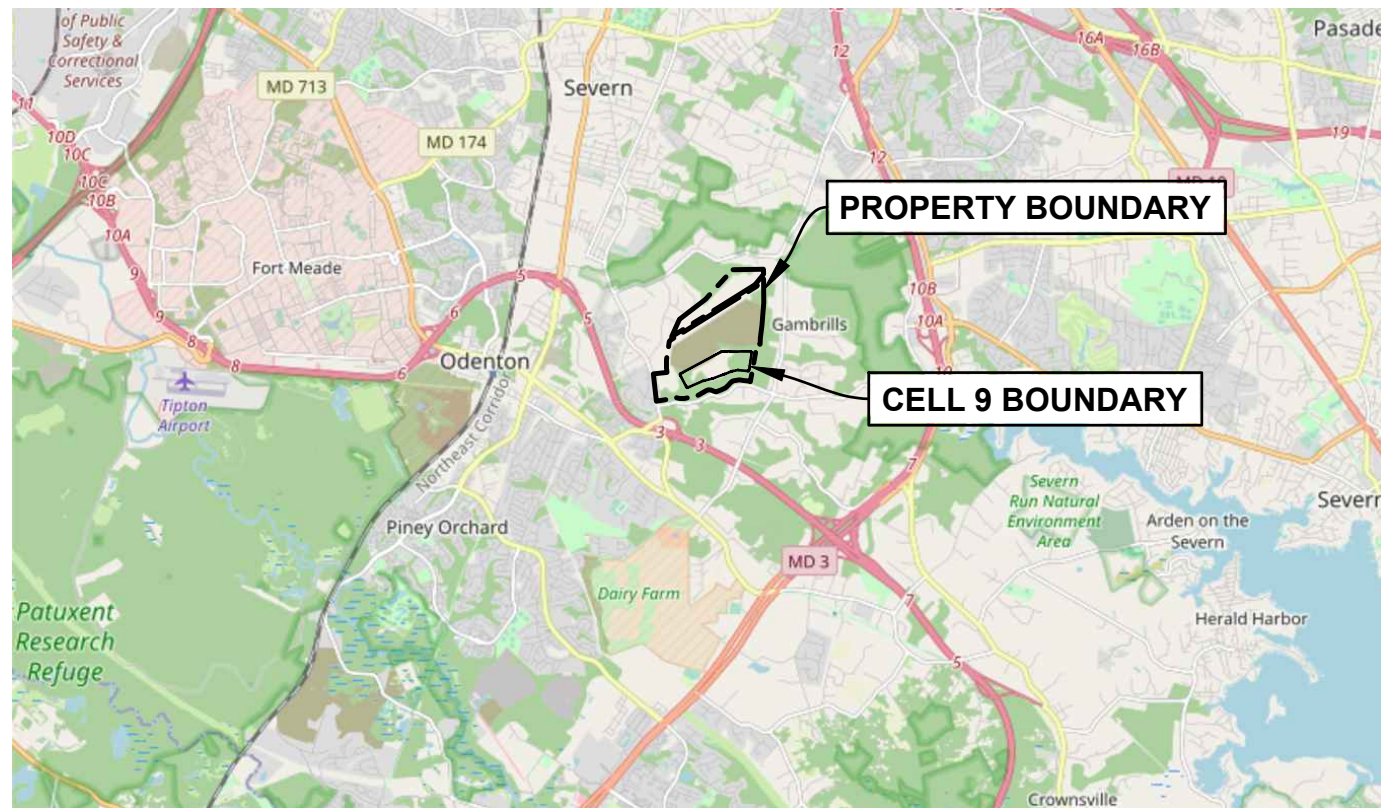
MAP OF MARYLAND



SOURCE:
USGS 7.5 MINUTE SERIES QUAD MAP:
ODENTON, MD (2023)

AREA MAP

1" = 2,000'



SOURCE:
©OPENSTREETMAP CONTRIBUTORS.

REGION MAP

1"=10,000'

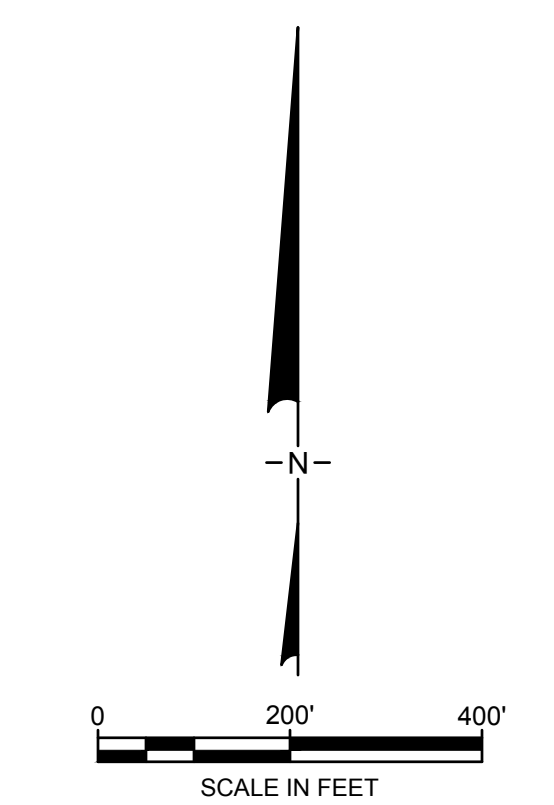
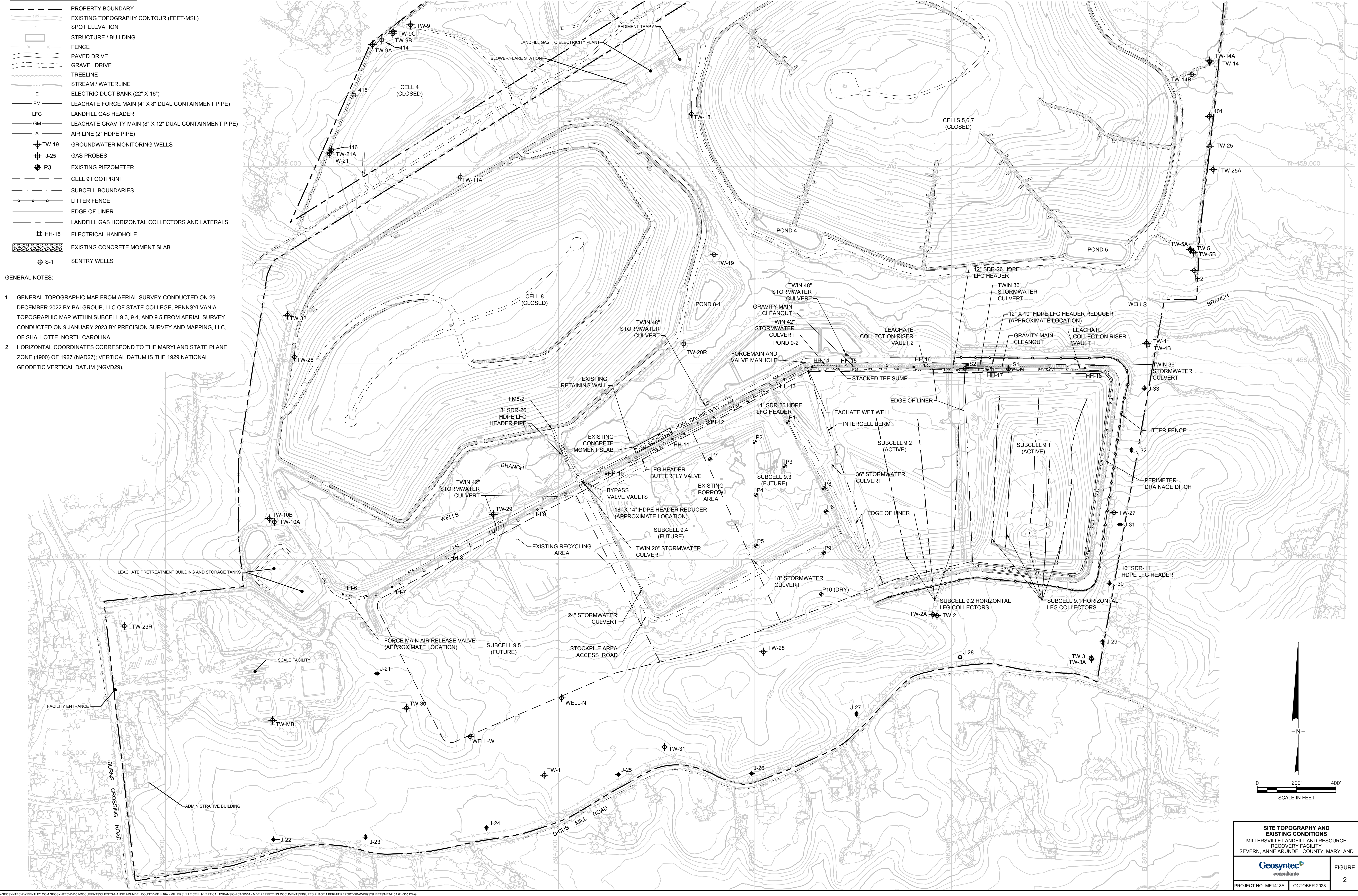
AREA MAP	
MILLERSVILLE LANDFILL AND RESOURCE RECOVERY FACILITY SEVERN, ANNE ARUNDEL COUNTY, MARYLAND	
PROJECT NO: ME1418A	OCTOBER 2023
FIGURE 1	

LEGEND

- PROPERTY BOUNDARY
- EXISTING TOPOGRAPHY CONTOUR (FEET-MSL)
- SPOT ELEVATION
- ▭ STRUCTURE / BUILDING
- FENCE
- PAVED DRIVE
- GRAVEL DRIVE
- TREELINE
- STREAM / WATERLINE
- E ELECTRIC DUCT BANK (22" X 16")
- FM LEACHATE FORCE MAIN (4" X 8" DUAL CONTAINMENT PIPE)
- LFG LANDFILL GAS HEADER
- GM LEACHATE GRAVITY MAIN (8" X 12" DUAL CONTAINMENT PIPE)
- A AIR LINE (2" HDPE PIPE)
- ⊕ TW-19 GROUNDWATER MONITORING WELLS
- ⊕ J-25 GAS PROBES
- ⊕ P3 EXISTING PIEZOMETER
- CELL 9 FOOTPRINT
- SUBCELL BOUNDARIES
- LITTER FENCE
- EDGE OF LINER
- LANDFILL GAS HORIZONTAL COLLECTORS AND LATERALS
- ⊕ HH-15 ELECTRICAL HANDHOLE
- ▨ EXISTING CONCRETE MOMENT SLAB
- ⊕ S-1 SENTRY WELLS

GENERAL NOTES:

1. GENERAL TOPOGRAPHIC MAP FROM AERIAL SURVEY CONDUCTED ON 29 DECEMBER 2022 BY BAI GROUP, LLC OF STATE COLLEGE, PENNSYLVANIA. TOPOGRAPHIC MAP WITHIN SUBCELL 9.3, 9.4, AND 9.5 FROM AERIAL SURVEY CONDUCTED ON 9 JANUARY 2023 BY PRECISION SURVEY AND MAPPING, LLC, OF SHALLOTTE, NORTH CAROLINA.
2. HORIZONTAL COORDINATES CORRESPOND TO THE MARYLAND STATE PLANE ZONE (1900) OF 1927 (NAD27); VERTICAL DATUM IS THE 1929 NATIONAL GEODETIC VERTICAL DATUM (NGVD29).



SITE TOPOGRAPHY AND EXISTING CONDITIONS
 MILLERSVILLE LANDFILL AND RESOURCE RECOVERY FACILITY
 SEVERN, ANNE ARUNDEL COUNTY, MARYLAND

















Geosyntec
consultants

PROJECT NO. ME1418A OCTOBER 2023 **FIGURE 2**

C:\GEO\PROJECTS\ME1418A\DRAWINGS\FIGURE 2\FIGURE 2.DWG

P:\GEO\PROJECTS\ME1418A\DRAWINGS\FIGURE 2\FIGURE 2.DWG - MILLERSVILLE CELL 9 VERTICAL EXPANSION\ME1418A-01-002.DWG

LEGEND

-  PROPERTY BOUNDARY
-  EXISTING TOPOGRAPHY CONTOUR (FEET-MSL)
-  SPOT ELEVATION
-  STRUCTURE / BUILDING
-  FENCE
-  PAVED DRIVE
-  GRAVEL DRIVE
-  TREELINE
-  STREAM / WATERLINE
-  GROUNDWATER MONITORING WELLS
-  GAS PROBES
-  CELL 9 FOOTPRINT
-  SUBCELL BOUNDARIES
-  DOWNCHUTE
-  TACK-ON BENCHES
-  ACCESS ROAD

GENERAL NOTES:

1. GENERAL TOPOGRAPHIC MAP FROM AERIAL SURVEY CONDUCTED ON 29 DECEMBER 2022 BY BAI GROUP, LLC OF STATE COLLEGE, PENNSYLVANIA. TOPOGRAPHIC MAP WITHIN SUBCELL 9.3, 9.4, AND 9.5 FROM AERIAL SURVEY CONDUCTED ON 9 JANUARY 2023 BY PRECISION SURVEY AND MAPPING, LLC, OF SHALLOTTE, NORTH CAROLINA.
2. HORIZONTAL COORDINATES CORRESPOND TO THE MARYLAND STATE PLANE ZONE (1900) OF 1927 (NAD27); VERTICAL DATUM IS THE 1929 NATIONAL GEODETIC VERTICAL DATUM (NGVD29).



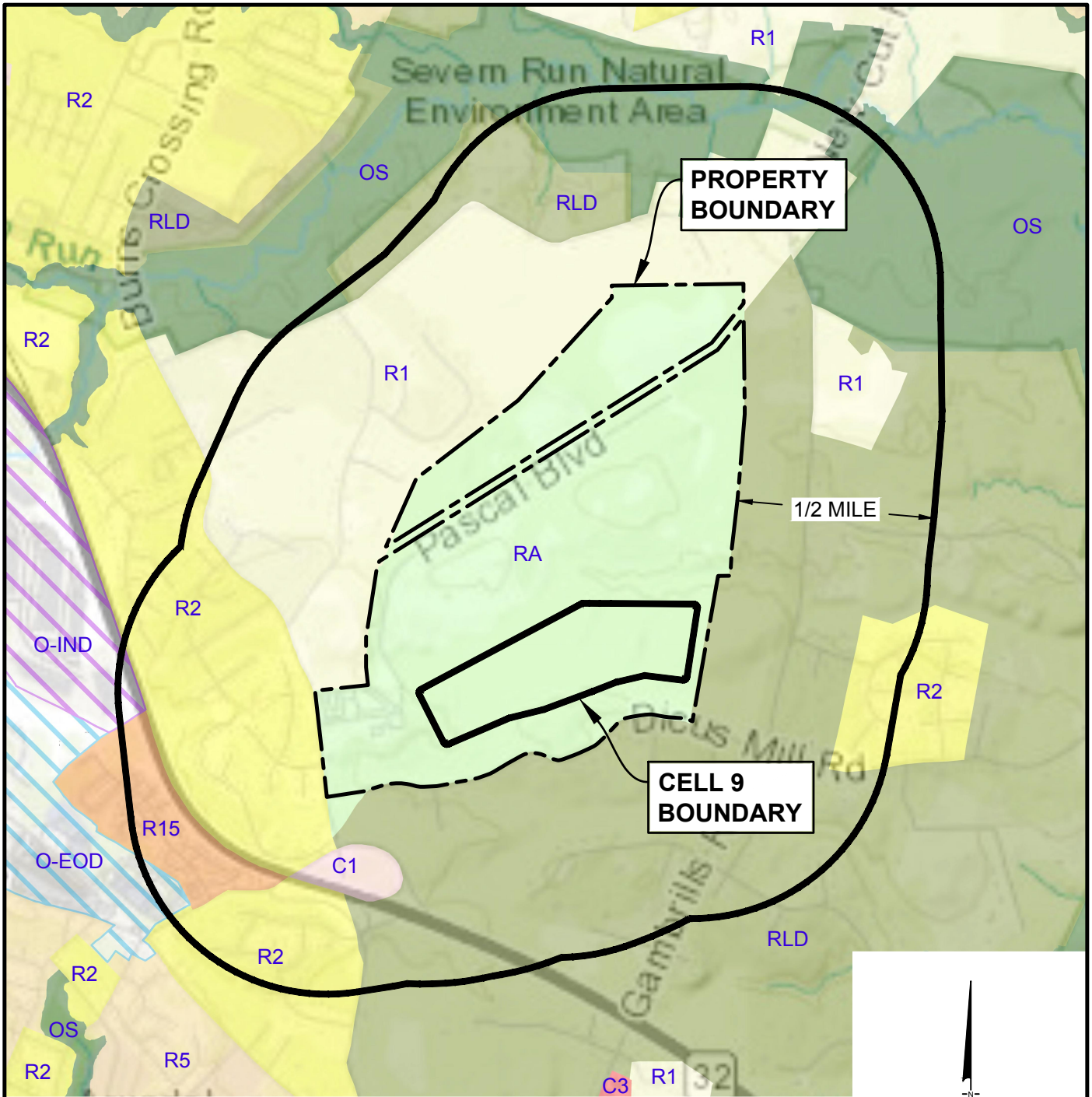
PROPOSED DEVELOPMENT PLAN
 MILLERSVILLE LANDFILL AND RESOURCE RECOVERY FACILITY
 SEVERN, ANNE ARUNDEL COUNTY, MARYLAND

Geosyntec
 consultants

FIGURE
3

PROJECT NO. ME1418A OCTOBER 2023

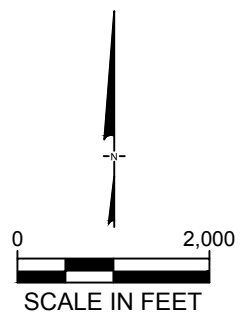
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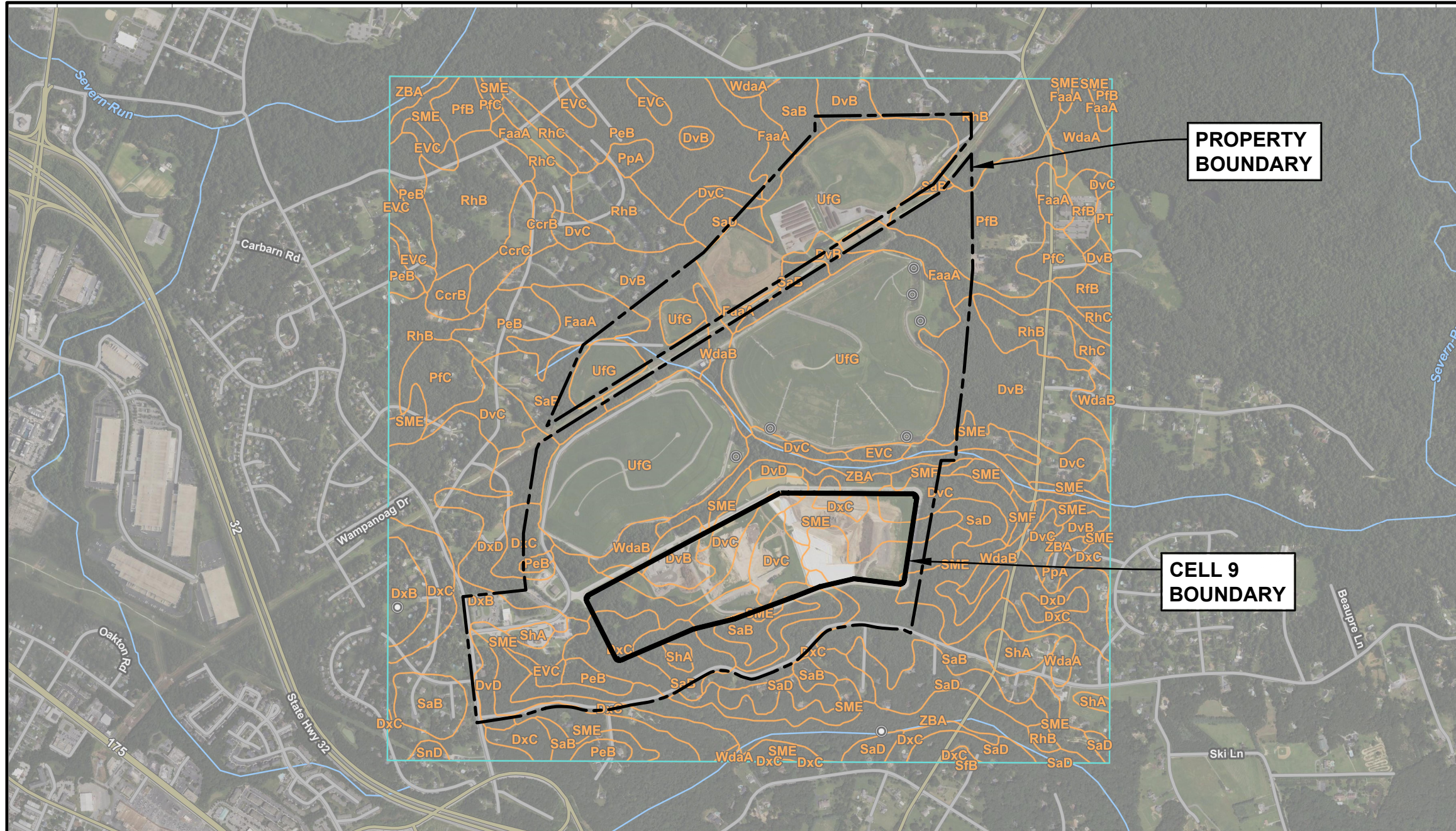
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LEGEND	
	C1 COMMERCIAL-LOCAL
	C3 COMMERCIAL-GENERAL
	O-EOD EAST ODENTON
	O-IND ODENTON INDUSTRIAL
	OS OPEN SPACE
	R1 RESIDENTIAL
	R2 RESIDENTIAL
	R5 RESIDENTIAL
	R15 RESIDENTIAL
	RA RURAL AGRICULTURAL
	RLD RESIDENTIAL LOW DENSITY

SOURCE:
 LAND USE AND ZONING VIEWER, ANNE ARUNDEL COUNTY, ANNE ARUNDEL COUNTY OFFICE OF PLANNING & ZONING GIS (GEOGRAPHIC INFORMATION SYSTEMS), ACCESSED SEPTEMBER 2023.



ZONING MAP OF SURROUNDING AREA	
MILLERSVILLE LANDFILL AND RESOURCE RECOVERY FACILITY SEVERN, ANNE ARUNDEL COUNTY, MARYLAND	
PROJECT NO: ME1418A	OCTOBER 2023
FIGURE 4	

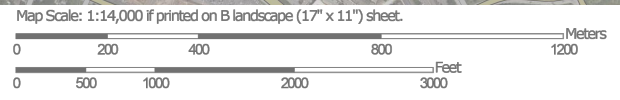


MAP LEGEND

- 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
- Water Features**
 - Streams and Canals
- Transportation**
 - Rails
 - Interstate Highways
 - US Routes
 - Major Roads
 - Local Roads
- Background**
 - Aerial Photography
- Other Symbols**
 - Spoil Area
 - Stony Spot
 - Very Stony Spot
 - Wet Spot
 - Other
 - Special Line Features

PROPERTY BOUNDARY

CELL 9 BOUNDARY



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

Soil Survey Area: Anne Arundel County, Maryland
Survey Area Data: Version 22, Sep 12, 2023

SOURCE:
SOIL SURVEY STAFF, NATURAL RESOURCES CONSERVATION SERVICE,
UNITED STATES DEPARTMENT OF AGRICULTURE. WEB SOIL SURVEY.
AVAILABLE ONLINE AT THE FOLLOWING LINK:
[HTTP://WEBSOILSURVEY.SC.EGOV.USDA.GOV/](http://websoilsurvey.sc.egov.usda.gov/). ACCESSED OCTOBER 10, 2023.

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CcrB	Christiana-Sassafras complex, 2 to 5 percent slopes	9.1	0.6%
CcrC	Christiana-Sassafras complex, 5 to 10 percent slopes	9.7	0.7%
DvB	Downer-Hammonton complex, 2 to 5 percent slopes	111.6	7.5%
DvC	Downer-Hammonton complex, 5 to 10 percent slopes	74.3	5.0%
DvD	Downer-Hammonton complex, 10 to 15 percent slopes	7.7	0.5%
DxB	Downer-Phalanx complex, 2 to 5 percent slopes	70.6	4.8%
DxC	Downer-Phalanx complex, 5 to 10 percent slopes	87.8	5.9%
DxD	Downer-Phalanx complex, 10 to 15 percent slopes	65.5	4.4%
EVC	Evesboro and Galestown soils, 5 to 10 percent slopes	17.6	1.2%
FaaA	Fallsington sandy loams, 0 to 2 percent slopes, northern coastal plain	55.2	3.7%
PeB	Patapsco-Evesboro-Fort Mott complex, 0 to 5 percent slopes	88.3	6.0%
PfB	Patapsco-Fort Mott complex, 0 to 5 percent slopes	48.2	3.3%
PfC	Patapsco-Fort Mott complex, 5 to 10 percent slopes	22.2	1.5%
PpA	Pepperbox loamy sand, 0 to 2 percent slopes	5.6	0.4%
PT	Pits, gravel	2.2	0.4%
RfB	Russett fine sandy loam, 2 to 5 percent slopes	11.0	0.7%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
RhB	Russett-Christiana-Hambrook complex, 0 to 5 percent slopes	111.7	7.5%
RhC	Russett-Christiana-Hambrook complex, 5 to 10 percent slopes	18.1	1.2%
SaB	Sassafras fine sandy loam, 2 to 5 percent slopes	130.4	8.8%
SaD	Sassafras fine sandy loam, 10 to 15 percent slopes	51.0	3.4%
SfB	Sassafras loam, 2 to 5 percent slopes	0.5	0.0%
ShA	Sassafras-Hambrook complex, 0 to 2 percent slopes	12.2	0.8%
SME	Sassafras and Croom soils, 15 to 25 percent slopes	114.9	7.8%
SMF	Sassafras and Croom soils, 25 to 40 percent slopes	4.6	0.3%
SnD	Sassafras-Urban land complex, 5 to 15 percent slopes	1.8	0.1%
UfG	Udorthents, refuse substratum, 0 to 50 percent slopes	249.4	16.9%
WdaA	Woodstown sandy loam, 0 to 2 percent slopes, Northern Coastal Plain	16.7	1.1%
WdaB	Woodstown sandy loam, 2 to 5 percent slopes, Northern Coastal Plain	21.5	1.5%
ZBA	Zekiah and Issue soils, 0 to 2 percent slopes, frequently flooded	61.1	4.1%
Totals for Area of Interest		1,479.2	100.0%

SOIL DISTRIBUTION MAP

MILLERSVILLE LANDFILL AND RESOURCE RECOVERY FACILITY
SEVERN, ANNE ARUNDEL COUNTY, MARYLAND

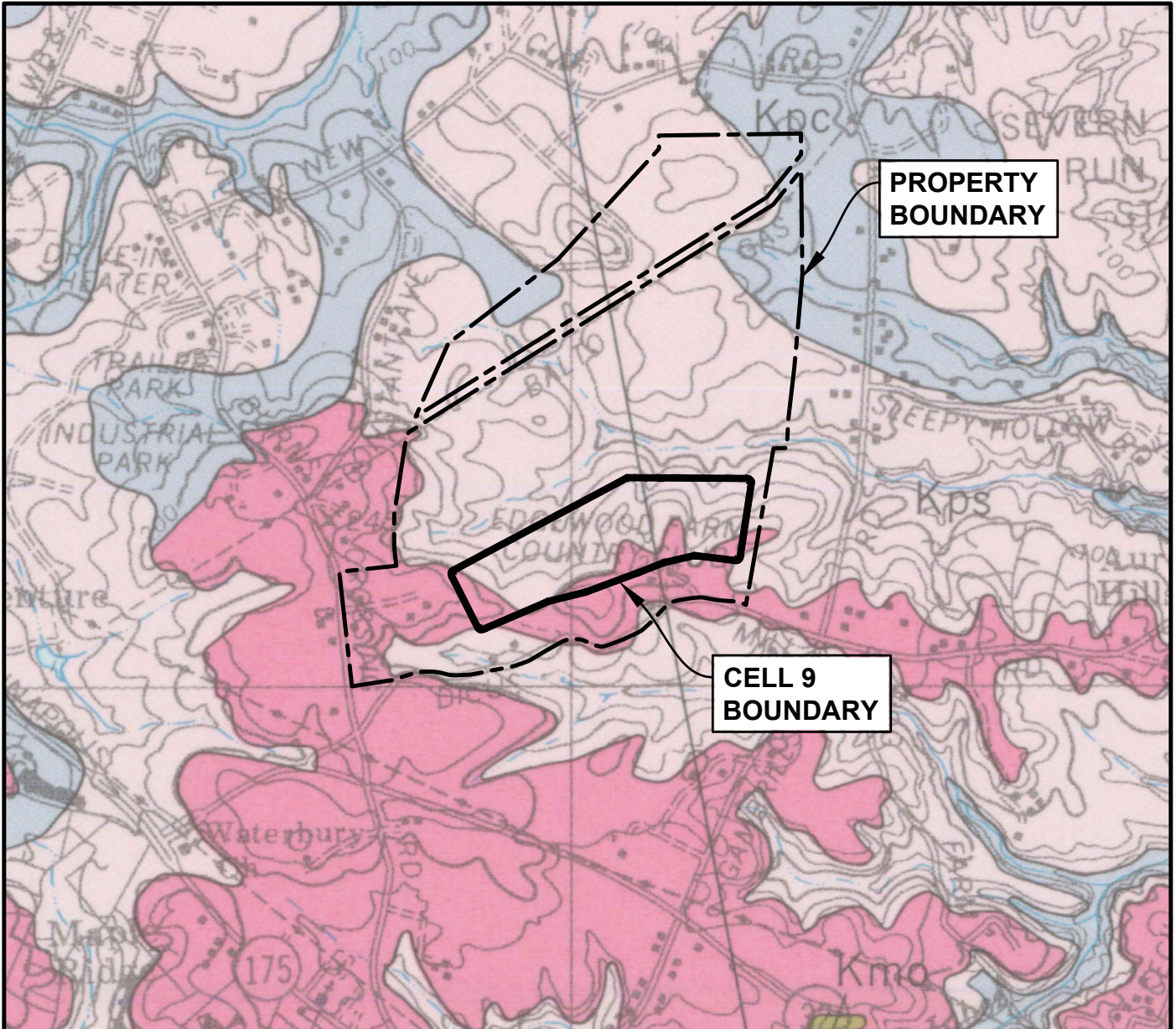
FIGURE

5

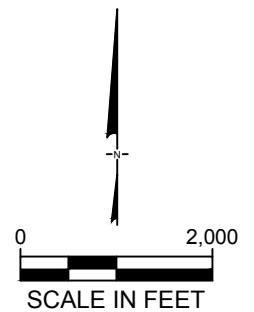
PROJECT NO: ME1418A

OCTOBER 2023

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SOURCE: GEOLOGIC MAP OF ANNE ARUNDEL COUNTY, MARYLAND GEOLOGICAL SURVEY, 1976.



LEGEND

	Kps SAND-GRAVEL FACIES OF THE POTOMAC GROUP
	Kpc SILT-CLAY FACIES OF THE POTOMAC GROUP
	Km MAGOTHY FORMATION
	Kmo MONMOUTH FORMATION

SURFICIAL GEOLOGIC MAP OF ANNE ARUNDEL COUNTY
 MILLERSVILLE LANDFILL AND RESOURCE RECOVERY FACILITY
 SEVERN, ANNE ARUNDEL COUNTY, MARYLAND



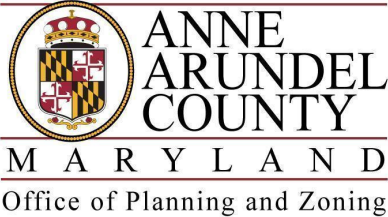
FIGURE
6

PROJECT NO: ME1418A | OCTOBER 2023

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ATTACHMENT 1

ANNE ARUNDEL COUNTY OFFICE OF PLANNING AND ZONING LETTER OF CONFORMITY



2664 Riva Road, P.O. Box 6675
Annapolis, MD 21401
410-222-7450

Jenny B. Jarkowski
Planning and Zoning Officer

October 9, 2023

Mr. Rhody Holthaus, Deputy Director
Department of Public Works
Bureau of Waste Management Services
2662 Riva Road, Suite 490
Annapolis, Maryland 21401

Dear Mr. Holthaus:

Your Department asked for a letter stating operations at the Millersville Landfill and Resource Recovery Facility (Facility) located at 389 Burns Crossing Road, Severn, Maryland 21144 are consistent with the local zoning and land use requirements of Anne Arundel County.

The Facility is owned by Anne Arundel County, and operated by its Department of Public Works. The facility is therefore exempt from the zoning and land use requirements of the Anne Arundel County Code under Article 18, Section 18-2-101 (a).

Further, the Facility is in conformance with the adopted Anne Arundel County 10-Year Solid Waste Management Plan.

Should you have any questions, please do not hesitate to contact me at 410-222-7450.

Sincerely,

Jenny B. Jarkowski
Planning and Zoning Officer

ATTACHMENT 2

REFUSE DISPOSAL PERMIT APPLICATION
FORM

MARYLAND DEPARTMENT OF THE ENVIRONMENT
 Land and Materials Administration • Solid Waste Program
 1800 Washington Boulevard • Suite 605 • Baltimore Maryland 21230-1719
 410-537-3315 • 800-633-6101 x3315 • www.mde.maryland.gov

Refuse Disposal Permit Application

Authority: Title 9, Environment Article, Annotated Code of Maryland, and Code of Maryland Regulations (COMAR) 26.04.07
 Municipal landfills also see 40 CFR Part 258 and EPA guidance for additional requirements.

Application for: **New Permit** **Renewal Permit**
 Existing Permit No. 2022 - WMF - 0240 Issued Date: 11 / 01 / 2022 Expiration Date: 10 / 31 / 2027
 Applicant's Legal Name: Anne Arundel County, Maryland

Applicant's Status: **Individual** **Corporation** **Government** **Other:**

Federal Employer Identification No.: 52-6000878
 Maryland State Department of Assessments and Taxation (SDAT) ID No.: U06524474
 Please note that a business/entity must be registered to do business in Maryland before a permit can be issued. The business or entity's information provided in this application must match the information in the SDAT register.

Proof of workers' compensation coverage is required under § 1-202 of the Environment Article. Please provide one of the following:
 (1) A copy of a Certificate of Compliance issued by the Maryland Workers' Compensation Commission; or
 (2) Workers' Compensation Insurance Policy/Binder Number: See documentation in Attachment 3 of the Phase I report

Applicant's Mailing Address: Arundel Center 44 Calvert Street City: Annapolis State: MD Zip Code: 21401
 Applicant's Telephone No. (410) 222 - 2875 Facsimile No.: (410) 222 - 1155
 Emergency Contact Name & Title: Stephen J. Krajcsik - Solid Waste Operations Administrator Telephone No.: (410) 222 - 6108
 Facility/Site Name: Millersville Municipal Landfill and Resource Recovery Facility
 Facility/Site Address: 389 Burns Crossing Road City: Severn State: MD Zip Code: 21144
 County: Anne Arundel County Maryland Grid Coordinates: 458 , 000 N / 895 , 000 E
 County Zoning Map No.: 22 Grid 20 Lot/Parcel No.: 157/155 Deed/Liber/Folio No.: 2659/269 & 2961/161
 State Legislative District: 31 Local Council / Election District: 5
 Bay Tributary Watershed Code: 0213100 (Severn) Latitude/Longitude (Deg/Min/Sec): 39 - 05 - 00 / 76 - 40 - 00
 Site Acreage: 567.66 Facility Acreage (Estimated): 269 acres (permitted)

Type of Solid Waste Acceptance Facility

- Municipal Landfill** ^{1,4} **Rubble Landfill** ^{1,3,4} **Industrial Landfill** ^{1,4} **Land Clearing Debris Landfill** ¹
 Incinerator ^{1,2,4} **Transfer Station** ¹ **Processing Facility** ² **Processing Facility & Transfer Station** ^{1,2}

Notes: 1. Financial Security is required for a privately owned facility. 2. Air Quality Permit may be required. 3. Groundwater Discharge Permit may be required.
 4. Environmental Justice Score Required refer to <https://mdwin64.mde.state.md.us/EJ/> See documentation in Attachment 2 of the Phase I report

Proposed Days & Hours of Operation: Mon - Sat 7:30am - 5:00pm; Sun 8:00am to 4:00pm

Provide a brief description of solid waste handling and other activities to be conducted at this facility:
Active landfill and resource recovery/recycling/composting operation to maximize reusable/renewable resources.

If available, attach the following documentation required for permit issuance:

- A written statement from the County in which the proposed facility is to be located, demonstrating that the proposed facility meets all applicable County zoning and land use requirements and is in conformity with the County Solid Waste Management Plan, in accordance with §9- 210(a)(3) of the Environment Article.** See documentation in Attachment 1 of the Phase I report
 For an incinerator, a written statement from the County where the proposed facility is to be located, demonstrating that the County has an approved Recycling Plan in accordance with §9-204.1 and §9-505 of the Environment Article.
 For a rubble landfill, a written statement from the County in which the proposed facility is to be located, demonstrating that the County has specified in the County Solid Waste Plan the types of waste that may be disposed of in the facility, in accordance with §9-210(c) of the Environment Article.


Provide the estimated amount of solid waste to be accepted in Tons (T) or Cubic Yards (CY) from the following facilities and sources:

A. Intermediate Facilities:	B. Origin Of Waste By Region:
Processing Facilities <u>0</u>	Within Jurisdiction <u>100%</u>
Transfer Stations <u>0</u>	Out-of-County in Maryland <u>0</u>
Incinerators <u>0</u>	Out-of-State (Specify Name) <u>0</u>

Please indicate the estimated amount of solid waste in Tons (T) or Cubic Yards (CY) to be accepted at this facility. This list will be used to determine the type of permit and the list of acceptable materials that will be allowed under the permit for which you are applying.

Type of Waste	1 st Year (units)	5 th Year (units)
Residential (household refuse, domestic waste, garbage, etc.)	71,700 Tons	75,300 Tons
Commercial (waste from businesses, stores, offices, etc.)	23,700 Tons	24,900 Tons
Industrial (non-hazardous sludge, dust, off-spec products, etc. from industrial or manufacturing operations or processes)	-	-
Construction and Demolition (lumber, masonry, drywall, etc.)	74,600 Tons	78,400 Tons
Land Clearing Debris (stumps, limbs, leaves, earthen material, etc.)	13,700 Tons	14,400 Tons
Agricultural (crop residue, manure, unprocessed materials, etc.)	-	-
Institutional (non-hazardous waste from schools, hospitals, etc.)	-	-
Special Medical Waste (infectious waste from hospitals, doctor's offices, research labs, etc.)	-	-
Animal Carcasses (road kills, farm animals, etc.)	-	-
Bulky Waste (appliances, furniture, etc.)	5,100 Tons	5,400 Tons
Litter (street sweepings, municipal wastebaskets, etc.)	-	-
Scrap Tires (automobiles, trucks, etc.) - Requires a separate license for handling or managing tires.	1,200 Tons	1,300 Tons
Sewage Sludge or Septage - Requires separate permit for sewage sludge utilization.	-	-
Water Treatment Plant Sludge (alum precipitate, etc.)	-	-
Hazardous Waste (from chemical plants, gas stations, etc.)	-	-
Asbestos (shingles, insulation, etc.) - Requires special training and handling	-	-
Incinerator Ash (from incinerators, waste-to-energy incinerators, special medical waste incinerators, boilers, etc.)	-	-
Fly Ash (pollution abatement equipment dusts & bottom ash from coal fired electric generating plants)	-	-
Other (list): rubble, soil, and miscellaneous recyclable materials	18,200 Tons	19,100 Tons
Total	208,200 Tons	218,800 Tons

By signing this form, I the applicant or duly authorized representative, do solemnly affirm under the penalties of perjury that the contents of this application are true to the best of my knowledge, information, and belief. I hereby authorize the representatives of MDE to have access to the site of the proposed facility for inspection and to records relating to this application at any reasonable time. I acknowledge that depending on the type of facility applied for, other permits or approvals may be required.


 Signature of Applicant
 Stephen J. Krajcsik
 Applicant's Name (Print)

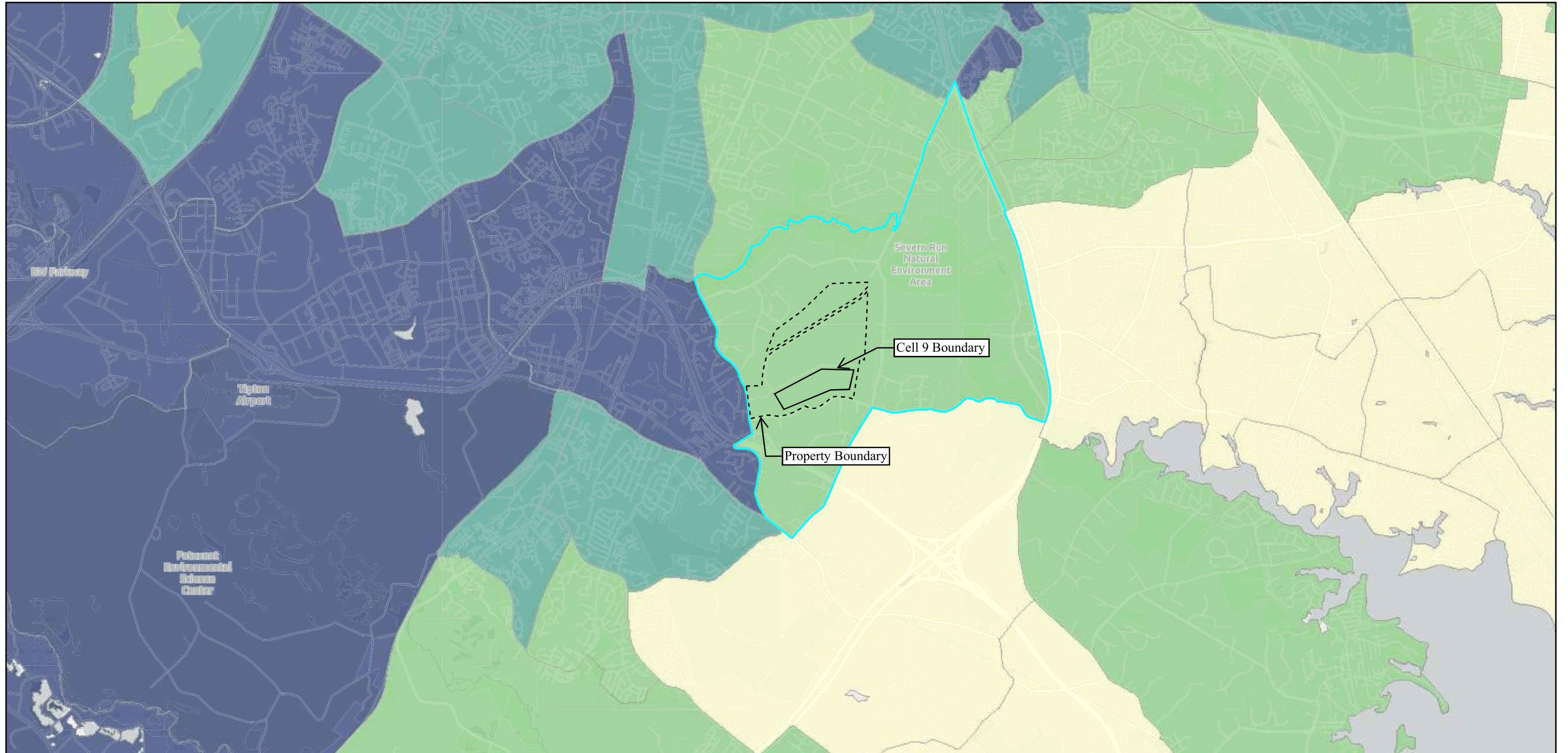

 Date
 Solid Waste Operations Administrator
 Title

This Notice is provided pursuant to §10-624 of the State Government Article of the Maryland Code. The personal information requested on this form is intended to be used in processing your application. Failure to provide the information requested may result in your application not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment ("MDE") is a public agency and subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by Federal or State law.

Privacy Act Notice: This Notice is provided pursuant to the Federal Privacy Act of 1974, 5 U.S.C. §552.a. Disclosure of your Social Security Number or Federal Employer Identification Number on this application is mandatory pursuant to the provisions of §1-203 (2003), Environment Article, Annotated Code of Maryland, which requires the MDE to verify that an applicant for a permit has paid all undisputed taxes and unemployment insurance. Social Security or Federal Employer Identification Numbers will not be used for any purposes other than those described in this Notice.

For questions regarding this application form, please contact MDE at (410) 537-3315

Millersville Landfill and Resource Recovery Facility - Environmental Justice Score



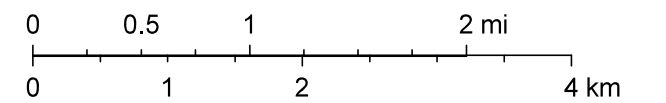
10/12/2023, 12:20:46 PM

MDE Final EJ Score (%ile score)

- 0% - 24.9th %ile
- 25% - 49.9th %ile
- 50% - 74.9th %ile
- 75% - 100th %ile

Final EJ Score Percent (For this Tract): 27.43
Final EJ Score Percentile (Distribution across MD): 36.30

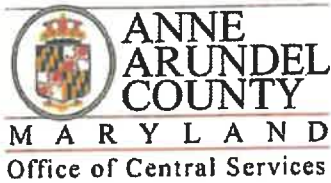
1:72,224



MDE, OS, OIMT, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

ATTACHMENT 3

STATE OF MARYLAND WORKERS'
COMPENSATION COMMISSION
CERTIFICATE OF COMPLIANCE



Risk Management Division
Heritage Office Complex
2660 Riva Road, 3rd Floor
Annapolis, MD 21401
Phone (410) 222-7630
Fax (410) 222-7640

January 24, 2020

Rhody Holthaus, Deputy Director
Waste Management Services
2662 Riva Road
Annapolis, MD 21401

Reference: Workers' Compensation Insurance – Policy ID# I1339

To Whom It May Concern:

Anne Arundel County, Maryland including the Department of Public Works Waste Management Division is self-insured by the Anne Arundel County Self-Insurance Fund for its Workers' Compensation coverage pursuant to Maryland Code Annotated, Labor and Employment § 9-405. There is no expiration date.

If you have any questions, please do not hesitate to contact me.

Very truly yours,

A handwritten signature in black ink that reads "Nicole Liening".

Nicole Liening
Safety & Insurance Manager

**STATE OF MARYLAND
WORKERS' COMPENSATION COMMISSION
10 East Baltimore Street
Baltimore, MD 21202**

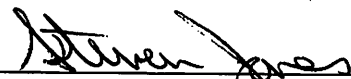
CERTIFICATE OF COMPLIANCE

STATE OF MARYLAND)
) To Wit:
CITY OF BALTIMORE)

This is to certify that **ANNE ARUNDEL COUNTY** is an approved self-insurer of its agencies in the State of Maryland pursuant to Maryland Code Annotated, Labor and Employment § 9-405. It is further certified that this information is taken from the records of the Workers' Compensation Commission of Maryland.

IN WITNESS WHEREOF, I hereunto subscribe my name and affix the seal of the Maryland Workers' Compensation Commission at Baltimore City this 15th day of January, 2020.

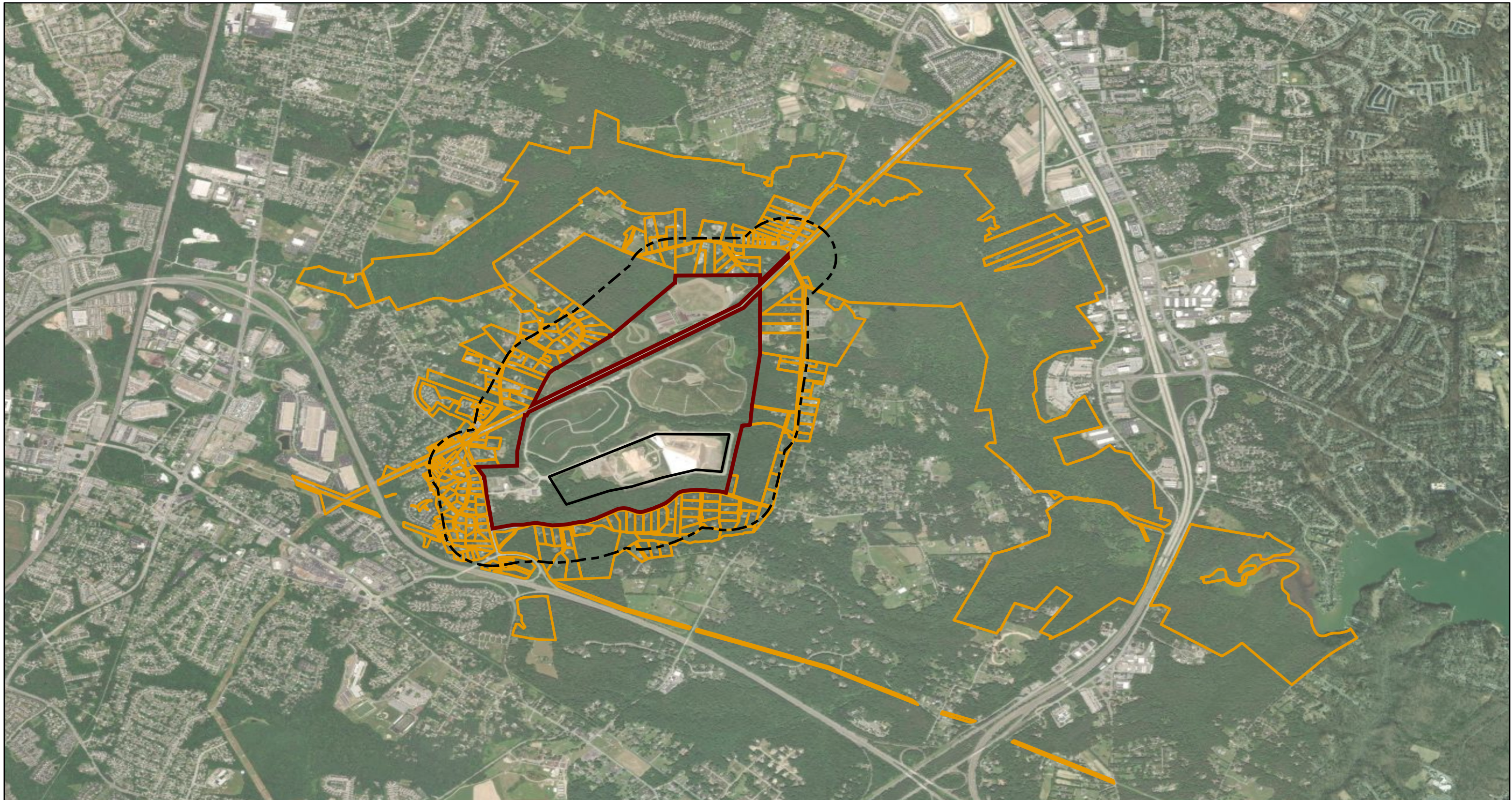
WORKERS' COMPENSATION COMMISSION
OF THE STATE OF MARYLAND





By: 
Steven Jones, Director
Insurance, Compliance and Reporting Division

(Seal)

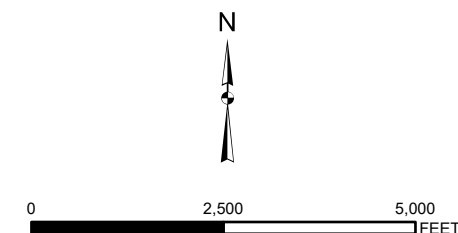
ATTACHMENT 4

PROPERTY OWNERS WITHIN 1,000-FT
RADIUS OF PROPOSED
LANDFILL



-  1,000 FT BUFFER
-  PROPERTY BOUNDARY
-  CELL 9 BOUNDARY
-  PARCEL BOUNDARY

NOTES:
 1. PARCEL BOUNDARIES DOWNLOADED FROM ANNE ARUNDAL COUNTY, MD
 OPEN DATA PORTAL ON OCTOBER 6, 2023.
 2. WORLD IMAGERY: MAXAR



**PROPERTIES WITHIN 1,000 FT OF
 SITE BOUNDARY**

MILLERSVILLE LANDFILL AND RESOURCE
 RECOVERY FACILITY
 SEVERN, ANNE ARUNDEL COUNTY, MARYLAND

Geosyntec
 consultants

Figure
A.1

COLUMBIA, MD

OCTOBER 2023

Attachment 4

Property Owners Within 1,000 ft of Millersville Municipal Landfill and Resource Recovery Facility
Severn, Anne Arundel County, Maryland

NO.	OWNER NAME	STREET LOCATION ¹	LOT	PARCEL
1	PHELPS NORMAN E	20' R/W 21144 SEVERN MD	22	64
2	HOOD ALBERT W	40' COMMON R/W 21144 SEVERN MD	22	517
3	STATE OF MARYLAND HWY ADMIN	BURNS CROSSING RD 21054 GAMBRILLS MD	30	491
4	STATE OF MARYLAND	BURNS CROSSING RD 21144 SEVERN MD	22	242
5	FUNK JR DEAN A	CONSTANT AVE 21144 MD	22	153
6	ANNE ARUNDEL COUNTY	DICUS MILL RD 21144 SEVERN MD	30	602
7	MAINSAIL HOLDING CO	FLOOD PLAINS 21054 GAMBRILLS MD	30	78
8	ANNE ARUNDEL COUNTY	FLOOD PLAINS 21054 GAMBRILLS MD	30	358
9	ANNE ARUNDEL COUNTY	FLOOD PLAINS 21144 SEVERN MD	30	602
10	ANNE ARUNDEL COUNTY	GAMBRILLS RD 21144 SEVERN MD	22	564
11	CH- SEVERN COVENANT CHURCH	GAMBRILLS RD 21144 SEVERN MD	22	107
12	BURNOPP THOMAS W	GAMBRILLS RD 21144 SEVERN MD	22	261
13	ANNE ARUNDEL COUNTY	GAMBRILLS RD 21144 SEVERN MD	22	13
14	PINE VILLAGE HOMEOWNERS ASSOCIATIO	JENNY GAY CT 21144 SEVERN MD	22	116
15	CH- ANTIOCH THE APOSTOLIC CHURCH I	MD RT 32 21054 GAMBRILLS MD	30	260
16	ANNE ARUNDEL COUNTY	MUSTANG CT 21054 GAMBRILLS MD	30	358
17	MARTZ KAREN E	NEW CUT RD 21144 SEVERN MD	22	353
18	HAMILTON WILLIAM R	NEW CUT RD 21144 SEVERN MD	22	353
19	HAMILTON KEITH W	NEW CUT RD 21144 SEVERN MD	22	353
20	MARTZ KAREN E	NEW CUT RD 21144 SEVERN MD	22	353
21	HAMILTON WILLIAM F	NEW CUT RD 21144 SEVERN MD	22	482
22	HAMILTON KEITH W	NEW CUT RD 21144 SEVERN MD	22	353
23	ANNE ARUNDEL COUNTY	NEW CUT RD 21144 SEVERN MD	22	271
24	STEEPLE CHASE COMMUNITY	OPEN SPACE 21144 SEVERN MD	22	148
25	RELIABLE CONTRACTING CO INC PROFIT	OPEN SPACE 21144 SEVERN MD	22	7
26	ATLAS MD I SPE LLC	OPEN SPACE AREA 21054 GAMBRILLS MD	30	33
27	ATLAS MD I SPE LLC	OPEN SPACE AREA 21054 GAMBRILLS MD	30	33
28	STATE OF MARYLAND	PARK AREA 21144 SEVERN MD	22	198
29	AMERI-STAR HOMES INC	PRIVATE R/W 21054 GAMBRILLS MD	30	33
30	BURKHARDT NANCY J	PRIVATE R/W 21144 SEVERN MD	22	388
31	STEEPLE CHASE COMMUNITY	RECREATION AREA 21144 SEVERN MD	22	148
32	ANNE ARUNDEL COUNTY	RECREATION AREA 21144 SEVERN MD	22	514
33	BRETTON WOODS LTD PTNSHP	ROADS 21054 GAMBRILLS MD	30	358
34	BRETTON WOODS LTD PTNSHP	ROADS 21054 GAMBRILLS MD	30	358
35	SAPPINGTON HILL HOMEOWNERS	TRANSMISSION LINE 21113 ODENTON MD	30	397
36	SCHWARTZ DOROTHY G	SAPPINGTON STATION RD 21054 GAMBRILLS MD	30	514
37	BALTIMORE GAS & ELECTRIC CO	TRANSMISSION LINE 21113 ODENTON MD	22	5
38	BALTIMORE GAS & ELECTRIC CO	TRANSMISSION LINE 21113 ODENTON MD	30	104
39	BALTIMORE GAS & ELECTRIC CO	TRANSMISSION LINE 21113 ODENTON MD	30	104
40	BRADSHAW SR JAMES R	105 GAMBRILLS RD 21144 SEVERN MD	22	478
41	ROGERS JOHN D	109 GAMBRILLS RD 21144 SEVERN MD	22	168
42	BURKHARDT STEPHEN R	1100 BURKHARDT LN 21144 SEVERN MD	22	388
43	BURKHARDT JAMES N	1101 BURKHARDT LN 21144 SEVERN MD	22	388
44	THOMPSON KEVIN B	1102 BURKHARDT LN 21144 SEVERN MD	22	388
45	FREEMAN JOEL A	1103 BURKHARDT LN 21144 SEVERN MD	22	388
46	LOMAX MARK W	1104 BURKHARDT LN 21144 SEVERN MD	22	388
47	BREWSAUGH CHRISTOPHER M	1105 BURKHARDT LN 21144 SEVERN MD	22	388
48	SANTA RAYMOND	1106 BURKHARDT LN 21144 SEVERN MD	22	388
49	BOWLEY NICHOLAS	1107 BURKHARDT LN 21144 SEVERN MD	22	388

NO.	OWNER NAME	STREET LOCATION ¹	LOT	PARCEL
50	BURNOPP LAURA L	115 GAMBRILLS RD 21144 SEVERN MD	22	169
51	BURNOPP SR WILLIAM H	119 GAMBRILLS RD 21144 SEVERN MD	22	170
52	BURNOPP JACOB A	120 GAMBRILLS RD 21144 SEVERN MD	22	481
53	ANNE ARUNDEL COUNTY	122 GAMBRILLS RD 21144 SEVERN MD	22	171
54	TOMPKINS LINDA S	123 GAMBRILLS RD 21144 SEVERN MD	22	158
55	REED BETTIE L TRUSTEE	128 GAMBRILLS RD 21144 SEVERN MD	22	564
56	PAK SON CHAN	1305 DICUS MILL RD 21144 SEVERN MD	30	358
57	ANNE ARUNDEL COUNTY	1306 DICUS MILL RD 21144 SEVERN MD	22	249
58	ANNE ARUNDEL COUNTY	1324 DICUS MILL RD 21144 SEVERN MD	22	539
59	ANNE ARUNDEL COUNTY	134 GAMBRILLS RD 21144 SEVERN MD	22	564
60	ROBB JASON TYLER	1353 DICUS MILL RD 21144 SEVERN MD	30	129
61	LEWIS JR CHARLES R	1359 DICUS MILL RD 21144 SEVERN MD	30	602
62	HELMER DAVID	1361 DICUS MILL RD 21144 SEVERN MD	30	602
63	MAJSTOROVIC STEVEN M	1363 DICUS MILL RD 21144 SEVERN MD	30	602
64	MORAN D RANDAL	1365 DICUS MILL RD 21144 SEVERN MD	30	602
65	MCKAY ROBERT H	1367 DICUS MILL RD 21144 SEVERN MD	30	602
66	REID RANDOLPH	1369 DICUS MILL RD 21144 SEVERN MD	30	602
67	BEAVERS JOSEPH W	1371 DICUS MILL RD 21144 SEVERN MD	30	602
68	MILLER IAN P	1373 DICUS MILL RD 21144 SEVERN MD	30	602
69	BURBA WILLIAM E	1375 DICUS MILL RD 21144 SEVERN MD	30	602
70	BEVERLY WILLIAM J	1377 DICUS MILL RD 21144 SEVERN MD	30	602
71	SITES CHARLETT B TRUSTEE	140 GAMBRILLS RD 21144 SEVERN MD	22	564
72	ANTOUN MARK R	1417 DICUS MILL RD 21144 SEVERN MD	30	33
73	ANTOUN MARK R	1417 DICUS MILL RD 21144 SEVERN MD	30	33
74	HUSSMAN JOHN P	1425 DICUS MILL RD 21054 GAMBRILLS MD	30	33
75	HUSSMAN JOHN P	1425 DICUS MILL RD 21054 GAMBRILLS MD	30	33
76	JACKSON ROBERT C	1437 DICUS MILL RD 21144 SEVERN MD	30	33
77	WARREN JOHN E TRUSTEE	1439 DICUS MILL RD 21144 SEVERN MD	30	33
78	ANNE ARUNDEL CO	144 GAMBRILLS RD 21144 SEVERN MD	22	564
79	LEGG JIM B	1441 DICUS MILL RD 21144 SEVERN MD	30	33
80	CYRUS SAMUEL A	1501 CLEARFIELD CIR 21144 SEVERN MD	22	7
81	TAXIARHOU DANOS	1501 WAMPANOAG DR 21144 SEVERN MD	22	7
82	MARTIN CHARLES R	1502 CLEARFIELD CIR 21144 SEVERN MD	22	7
83	SORENSEN II FRANKLIN C	1503 CLEARFIELD CIR 21144 SEVERN MD	22	7
84	KREGER DAVID J	1503 WAMPANOAG DR 21144 SEVERN MD	22	7
85	BUETTNER BRADLEY	1504 CLEARFIELD CIR 21144 SEVERN MD	22	7
86	MOORE GARY E	1504 SAPPINGTON DR 21054 GAMBRILLS MD	30	253
87	SIGMON GARY R	1505 CLEARFIELD CIR 21144 SEVERN MD	22	7
88	HARDIN JASON M	1505 WAMPANOAG DR 21144 SEVERN MD	22	7
89	SORENSEN ERICA S	1506 CLEARFIELD CIR 21144 SEVERN MD	22	7
90	GUZMAN KARA	1507 CLEARFIELD CIR 21144 SEVERN MD	22	7
91	MARTIN ADAM COLEMAN	1507 WAMPANOAG DR 21144 SEVERN MD	22	7
92	GASTON ROBERT L	1508 CLEARFIELD CIR 21144 SEVERN MD	22	7
93	RIVILLAS JAIRO H	1508 SAPPINGTON DR 21054 GAMBRILLS MD	30	591
94	MOSMILLER JR FRANCIS J	1509 CLEARFIELD CIR 21144 SEVERN MD	22	7
95	SPARKS MARY J	1509 WAMPANOAG DR 21144 SEVERN MD	22	7
96	CHAPMAN BRADLEY H	1510 CLEARFIELD CIR 21144 SEVERN MD	22	7
97	PRUITT TIMOTHY A	1510 SAPPINGTON DR 21054 GAMBRILLS MD	30	591
98	ADAMS KENNETH M	1511 CLEARFIELD CIR 21144 SEVERN MD	22	7
99	KRAMER KENNETH	1511 WAMPANOAG DR 21144 SEVERN MD	22	7
100	WISEMAN WILLIAM A	1512 CLEARFIELD CIR 21144 SEVERN MD	22	7
101	GRIFFITH TRUSTEE RODNEY A	1512 ROMEO LN 21144 SEVERN MD	22	514

NO.	OWNER NAME	STREET LOCATION ¹	LOT	PARCEL
102	CERULLI JAMES W JR	1512 VICOLI CT 21144 SEVERN MD	22	514
103	FISHER CLAYTON E	1513 CLEARFIELD CIR 21144 SEVERN MD	22	7
104	ELLENES JR CHRISTIAN	1513 ROMEO LN 21144 SEVERN MD	22	514
105	LOUGHREY ROBERT	1513 VICOLI CT 21144 SEVERN MD	22	514
106	TARPLEY CEDRIC A	1513 WAMPANOAG DR 21144 SEVERN MD	22	7
107	EVERETT JOSEPH A	1514 ROMEO LN 21144 SEVERN MD	22	514
108	PRUITT TIMOTHY A	1514 SAPPINGTON DR 21054 GAMBRILLS MD	30	591
109	ERVIN DONNA D	1514 VICOLI CT 21144 SEVERN MD	22	514
110	WILES CHARLOTTE	1515 ROMEO LN 21144 SEVERN MD	22	514
111	HADLEY DANEK R	1515 WAMPANOAG DR 21144 SEVERN MD	22	7
112	ROSBOROUGH DIANNA D	1516 CHASE HILL DR 21144 SEVERN MD	22	148
113	GUNTER JR JOHN W	1516 ROMEO LN 21144 SEVERN MD	22	514
114	LOMAX JR CORNELIUS	1517 WAMPANOAG DR 21144 SEVERN MD	22	7
115	BOYD RICHARD K SR TRUSTEE	1518 CHASE HILL DR 21144 SEVERN MD	22	148
116	KNOLL CHRISTIAN	1518 SAPPINGTON DR 21054 GAMBRILLS MD	30	591
117	GENERAZIO CHRISTOPHER	1519 WAMPANOAG DR 21144 SEVERN MD	22	7
118	GEMMELL KENNETH G	1520 CHASE HILL DR 21144 SEVERN MD	22	148
119	KNOLL COLBY GRANT	1520 SAPPINGTON DR 21054 GAMBRILLS MD	30	591
120	VOIGT DANIEL M	1521 CHASE HILL DR 21144 SEVERN MD	22	148
121	MULZER ERIC S	1522 CHASE HILL DR 21144 SEVERN MD	22	148
122	ALLEMAN GEORGE	1522 SAPPINGTON DR 21054 GAMBRILLS MD	30	253
123	LORELLO TIMOTHY J	1524 SAPPINGTON DR 21054 GAMBRILLS MD	30	397
124	BUCKLEY LEMUEL H III	1528 SAPPINGTON DR 21054 GAMBRILLS MD	30	397
125	WOJTYSZYN JAMES	1530 SAPPINGTON DR 21054 GAMBRILLS MD	30	397
126	MYERS MICHAEL A	1532 SAPPINGTON DR 21054 GAMBRILLS MD	30	397
127	BUCKHOLTZ DAVID R	1534 SAPPINGTON DR 21054 GAMBRILLS MD	30	397
128	JOHNSON TODD	1536 SAPPINGTON DR 21054 GAMBRILLS MD	30	397
129	KEENAN EDWARD LEE	1564 SAPPINGTON DR 21054 GAMBRILLS MD	30	397
130	KALISH ANTHONY D TRUSTEE	1566 SAPPINGTON DR 21054 GAMBRILLS MD	30	397
131	GARNER HARRY W	1714 SADDLE DR 21054 GAMBRILLS MD	30	78
132	CHESLA LOUIS J	1716 SADDLE DR 21054 GAMBRILLS MD	30	78
133	BARENDSE MARCEL N	1718 SADDLE DR 21054 GAMBRILLS MD	30	78
134	JACK ANDREW P	1722 SADDLE DR 21054 GAMBRILLS MD	30	78
135	TORRES ELENA	1724 SADDLE DR 21054 GAMBRILLS MD	30	78
136	BURKHARDT NANCY J	2 GAMBRILLS RD 21144 SEVERN MD	22	388
137	CH- SEVERN COVENANT CH INC	20 GAMBRILLS RD 21144 SEVERN MD	22	9
138	APICELLA TIMOTHY W	200 ARABIAN CT 21054 GAMBRILLS MD	30	358
139	BROWN ROBERT	200 JENNY GAY CT 21144 SEVERN MD	22	116
140	MOORE JASON A	200 MUSTANG CT 21054 GAMBRILLS MD	30	358
141	SULLIVAN RICHARD J	201 ARABIAN CT 21054 GAMBRILLS MD	30	358
142	BERKOH BARBARA KUMEA	201 JENNY GAY CT 21144 SEVERN MD	22	116
143	MENEFEE SHANNON	201 MUSTANG CT 21054 GAMBRILLS MD	30	358
144	SALVATORE PETER C	202 ARABIAN CT 21054 GAMBRILLS MD	30	358
145	WHITE GABRIEL ALEXANDER	202 JENNY GAY CT 21144 SEVERN MD	22	116
146	CLARK FRANK E	202 MUSTANG CT 21054 GAMBRILLS MD	30	358
147	KARP MICHAEL S	203 ARABIAN CT 21054 GAMBRILLS MD	30	358
148	DYCUS DAVID LEE	203 JENNY GAY CT 21144 SEVERN MD	22	116
149	JOHNSTON MICHAEL L	204 ARABIAN CT 21054 GAMBRILLS MD	30	358
150	CARPENTER ROBERT	204 JENNY GAY CT 21144 SEVERN MD	22	116
151	JOHNSON BRYAN PAIGE	204 MUSTANG CT 21054 GAMBRILLS MD	30	358
152	ZERRLAUT JERRI L	205 ARABIAN CT 21054 GAMBRILLS MD	30	358
153	LONSBURY TIMOTHY J TRUSTEE	205 MUSTANG CT 21054 GAMBRILLS MD	30	358

NO.	OWNER NAME	STREET LOCATION ¹	LOT	PARCEL
154	LANE BRITTANY N	206 ARABIAN CT 21054 GAMBRILLS MD	30	358
155	GOTTSCHALK EDWIN F TRUSTEE	206 GAMBRILLS RD 21054 GAMBRILLS MD	30	563
156	LYONS SCOTT	206 MUSTANG CT 21054 GAMBRILLS MD	30	358
157	MORGAN DAVID L JR	207 ARABIAN CT 21054 GAMBRILLS MD	30	358
158	CHAPMAN TRUSTEE SCOTT D	208 ARABIAN CT 21054 GAMBRILLS MD	30	358
159	BROMETO JEAN BAPTISTE	23 GAMBRILLS RD 21144 SEVERN MD	22	145
160	GOOD MICHAEL D	231 CONSTANT AVE 21144 SEVERN MD	22	201
161	DISANTILLO BRUNO ROMEO TRUSTEE	242 CONSTANT AVE 21144 SEVERN MD	22	128
162	SHUCK-BOND LYNDA R	251 CONSTANT AVE 21144 SEVERN MD	22	362
163	VOSSLER JUSTIN T	252 CONSTANT AVE 21144 SEVERN MD	22	129
164	SWORD NICOLE	259 CONSTANT AVE 21144 SEVERN MD	22	11
165	HARE THOMAS NOLLY JR	261 CONSTANT AVE 21144 SEVERN MD	22	146
166	SUPROCK JOHN	264 CONSTANT AVE 21144 SEVERN MD	22	136
167	CARPENTER PATRICK WILLIAM	266 CONSTANT AVE 21144 SEVERN MD	22	136
168	MALLORY JR GEORGE W	267 BURNS CROSSING RD 21144 SEVERN MD	22	143
169	LEONARD TONI L	268 CONSTANT AVE 21144 SEVERN MD	22	199
170	LAMAR JR ROLAND E	269 CONSTANT AVE 21144 SEVERN MD	22	565
171	REEVES CHRISTOPHER J	302 CONSTANT AVE 21144 SEVERN MD	22	382
172	MASON ERIK D	304 CONSTANT AVE 21144 SEVERN MD	22	405
173	DEADDER CAROLYN G	308 CONSTANT AVE 21144 SEVERN MD	22	407
174	BRENDEL WILLIAM G III	319 CONSTANT AVE 21144 SEVERN MD	22	565
175	ROCHON RICHARD B	321 CONSTANT AVE 21144 SEVERN MD	22	565
176	COATES LEE J	323 CONSTANT AVE 21144 SEVERN MD	22	565
177	FUNK JR DEAN A	325 CONSTANT AVE 21144 SEVERN MD	22	565
178	MPGREEN MNGMT COMPANY INC	33 GAMBRILLS RD 21144 SEVERN MD	22	108
179	SANDINE TRUSTEE CARL S	331 BURNS CROSSING RD 21144 SEVERN MD	22	149
180	ANNE ARUNDEL COUNTY	335 CONSTANT AVE 21144 SEVERN MD	22	153
181	ANNE ARUNDEL COUNTY	335 CONSTANT AVE 21144 SEVERN MD	22	153
182	ANNE ARUNDEL COUNTY	335 CONSTANT AVE 21144 SEVERN MD	22	153
183	HOOD DIANE E	340 CONSTANT AVE 21144 SEVERN MD	22	377
184	PADULA ANTHONY D	341 CONSTANT AVE 21144 SEVERN MD	22	338
185	DELGADO IRIS IVETH AYALA	343 CONSTANT AVE 21144 SEVERN MD	22	443
186	GRIMM WILLIAM J	344 CONSTANT AVE 21144 SEVERN MD	22	400
187	GILLIS RUSTY R	345 CONSTANT AVE 21144 SEVERN MD	22	545
188	WATSON GREGORY R	347 BURNS CROSSING RD 21144 SEVERN MD	22	154
189	FORD MARY J	348 CONSTANT AVE 21144 SEVERN MD	22	544
190	MEADOWS GILBERT	349 BURNS CROSSING RD 21144 SEVERN MD	22	324
191	HEFLING ERIC R	350 MONTECRISTO CT 21144 SEVERN MD	22	514
192	HANDLEY CHRISTOPHER D	351 MONTECRISTO CT 21144 SEVERN MD	22	514
193	BANGS JOHN W	352 MONTECRISTO CT 21144 SEVERN MD	22	514
194	WIEST DOUGLAS A	353 COUNCIL OAK DR 21144 SEVERN MD	22	7
195	BECKERINK TYLER K	353 MONTECRISTO CT 21144 SEVERN MD	22	514
196	HILL ARTHUR N	354 CONSTANT AVE 21144 SEVERN MD	22	150
197	EBAI ELIZABETH A	354 MONTECRISTO CT 21144 SEVERN MD	22	514
198	PATTON TYRONE	355 COUNCIL OAK DR 21144 SEVERN MD	22	7
199	SMITH BRIAN D	355 MONTECRISTO CT 21144 SEVERN MD	22	514
200	BOEHM DEBORAH A	356 MONTECRISTO CT 21144 SEVERN MD	22	514
201	REEVES FRANCIS J	357 COUNCIL OAK DR 21144 SEVERN MD	22	7
202	LOUGHREY DREKEL J	357 MONTECRISTO CT 21144 SEVERN MD	22	514
203	CACCIOLA RANDAL J	358 MONTECRISTO CT 21144 SEVERN MD	22	514
204	SMITH JEFFREY A	359 MONTECRISTO CT 21144 SEVERN MD	22	514
205	ZYLA THOMAS S	360 MONTECRISTO CT 21144 SEVERN MD	22	514

NO.	OWNER NAME	STREET LOCATION ¹	LOT	PARCEL
206	PATEL TRUSTEE JANET P	361 MONTECRISTO CT 21144 SEVERN MD	22	514
207	CAZALET PATRICK	362 MONTECRISTO CT 21144 SEVERN MD	22	514
208	RADOLEC JR JOSEPH J	363 MONTECRISTO CT 21144 SEVERN MD	22	514
209	NATWICK RICHARD A	364 MONTECRISTO CT 21144 SEVERN MD	22	514
210	HAHN BRIAN G	365 MONTECRISTO CT 21144 SEVERN MD	22	514
211	NELSON JOHN D	368 CARRACA CT 21144 SEVERN MD	22	514
212	EGGERS KAREN M	369 ANNA CT 21144 SEVERN MD	22	514
213	LEATHERWOOD ROSALIE M	369 CARRACA CT 21144 SEVERN MD	22	514
214	POWELL JOSEPH W	370 ANNA CT 21144 SEVERN MD	22	514
215	AMBLER ROBERT B	370 CARRACA CT 21144 SEVERN MD	22	514
216	WISNIEWSKI DONALD	371 ANNA CT 21144 SEVERN MD	22	514
217	MARSHALL-PROCTOR LINDA	371 CARRACA CT 21144 SEVERN MD	22	514
218	MORRIS II ROBERT J	372 ANNA CT 21144 SEVERN MD	22	514
219	KOORS JAMES C	372 CARRACA CT 21144 SEVERN MD	22	514
220	WHITCRAFT JR CARL V	373 ANNA CT 21144 SEVERN MD	22	514
221	HALFER ROBERT J JR	373 CARRACA CT 21144 SEVERN MD	22	514
222	TREMBLAY JESSICA	374 ANNA CT 21144 SEVERN MD	22	514
223	ZURN ROBERT L	374 CARRACA CT 21144 SEVERN MD	22	514
224	WRIGHT JAMES E	375 ANNA CT 21144 SEVERN MD	22	514
225	MCKINLEY KADI MARGARET	388 BURNS CROSSING RD 21144 SEVERN MD	22	418
226	ANNE ARUNDEL COUNTY	393 BURNS CROSSING RD 21144 SEVERN MD	22	157
227	EVANS JR KENNETH	394 BURNS CROSSING RD 21144 SEVERN MD	30	11
228	DEVONO JASON R	401 COUNT GENERALS WOODS RD 21054 GAMBRILLS MD	30	33
229	PARKER RICHARD EDWARD JR	402 COUNT GENERALS WOODS RD 21054 GAMBRILLS MD	30	33
230	LINDSEY SHAWN E	403 COUNT GENERALS WOODS RD 21054 GAMBRILLS MD	30	33
231	VANDINE WAYNE A JR	404 COUNT GENERALS WOODS RD 21054 GAMBRILLS MD	30	33
232	ANNE ARUNDEL COUNTY	415 BURNS CROSSING RD 21144 SEVERN MD	22	157
233	WINTERS RHONDA	422 BURNS CROSSING RD 21144 SEVERN MD	30	250
234	COMBS CHRISTOPHER	428 BURNS CROSSING RD 21144 SEVERN MD	30	251
235	ASCHERL HERMANN	438 BURNS CROSSING RD 21054 GAMBRILLS MD	30	255
236	ANTIOCH THE APOSTOLIC CHURCH INC	439 BURNS CROSSING RD 21054 GAMBRILLS MD	30	259
237	KREBS NANCY A TRUSTEE	48 GAMBRILLS RD 21144 SEVERN MD	22	441
238	MOLLOHAN MARK E	50 GAMBRILLS RD 21144 SEVERN MD	22	440
239	STEPHENS REBECCA	54 GAMBRILLS RD 21144 SEVERN MD	22	417
240	STEPHENS SHAWN D	56 GAMBRILLS RD 21144 SEVERN MD	22	417
241	CH GRACE POINTE COMM CHURCH OF THE	61 GAMBRILLS RD 21144 SEVERN MD	22	584
242	WENGERNUK KEVIN J	64 GAMBRILLS RD 21144 SEVERN MD	22	106
243	WASIELEVSKI-OWENS KAREN L	8246 NEW CUT RD 21144 SEVERN MD	22	353
244	BENSON WILLIAM	8247 NEW CUT RD 21144 SEVERN MD	22	337
245	HAMILTON WILLIAM R	8250 NEW CUT RD 21144 SEVERN MD	22	353
246	WADE VIOLA A	8252 NEW CUT RD 21144 SEVERN MD	22	353
247	ALVARO DEBRA L	8254 NEW CUT RD 21144 SEVERN MD	22	353
248	ALVARO DEBRA L	8254 NEW CUT RD 21144 SEVERN MD	22	353
249	KREUNEN ADAM C	8255 NEW CUT RD 21144 SEVERN MD	22	432
250	HAMILTON KEITH W	8256 NEW CUT RD 21144 SEVERN MD	22	353
251	HAMILTON KEITH W	8256 NEW CUT RD 21144 SEVERN MD	22	353
252	VAN KIM CAM	8257 NEW CUT RD 21144 SEVERN MD	22	12
253	HAMILTON KEITH W	8258 NEW CUT RD 21144 SEVERN MD	22	353
254	HAMILTON KEITH W	8258 NEW CUT RD 21144 SEVERN MD	22	353
255	HITCHCOCK JR TRUSTEE RAYMOND M	8260 NEW CUT RD 21144 SEVERN MD	22	353
256	HITCHHOCK RAYMOND M III	8261 NEW CUT RD 21144 SEVERN MD	22	71
257	MACOLA JESSIE L	8272 NEW CUT RD 21144 SEVERN MD	22	222

NO.	OWNER NAME	STREET LOCATION ¹	LOT	PARCEL
258	HAMILTON SUSIE L	8278 NEW CUT RD 21144 SEVERN MD	22	221
259	HAMILTON SUSIE L	8278 NEW CUT RD 21144 SEVERN MD	22	221
260	WASIELEVSKI JEROME J	8282 NEW CUT RD 21144 SEVERN MD	22	220
261	WASIELEVSKI JEROME J	8282 NEW CUT RD 21144 SEVERN MD	22	220
262	MARTZ KAREN E	8284 NEW CUT RD 21144 SEVERN MD	22	219
263	MARTZ KAREN E	8286 NEW CUT RD 21144 SEVERN MD	22	218
264	BECK RYAN	8288 NEW CUT RD 21144 SEVERN MD	22	217
265	FIRST CAPITAL SURETY & TRUST COMPA	8290 NEW CUT RD 21144 SEVERN MD	22	216
266	HITCHCOCK MATTHEW LEE	8311 NEW CUT RD 21144 SEVERN MD	22	8
267	BECK RUSSELL W	8314 NEW CUT RD 21144 SEVERN MD	22	428
268	MCKEE MICHAEL D JR	8315 NEW CUT RD 21144 SEVERN MD	22	96
269	MASZCZENSKI MICHAEL J	8317 NEW CUT RD 21144 SEVERN MD	22	95
270	MOORMAN JOSE ANTONIO	8327 NEW CUT RD 21144 SEVERN MD	22	232
271	PRICE CHARLOTTE A BRANDENBURG	8330 NEW CUT RD 21144 SEVERN MD	22	345
272	MORRIS KENNETH C	8335 NEW CUT RD 21144 SEVERN MD	22	452
273	PRICE CHARLOTTE A	8336 NEW CUT RD 21144 SEVERN MD	22	464
274	HILL PATRICK E	8342 NEW CUT RD 21144 SEVERN MD	22	66
275	PHELPS JR WILLIAM B	8344 NEW CUT RD 21144 SEVERN MD	22	65
276	MULLINS COREY L	8348 NEW CUT RD 21144 SEVERN MD	22	518
277	RIDGELY GARY F	8351 NEW CUT RD 21144 SEVERN MD	22	453
278	MORRIS SHEILA FAYE	8364 NEW CUT RD 21144 SEVERN MD	22	64
279	ALL IN REALTY SOLUTIONS LLC	84 GAMBRILLS RD 21144 SEVERN MD	22	161
280	ARMOGAN NELSON	8400 TERRY LEE WAY 21144 SEVERN MD	22	116
281	SANCHEZ TONYA	8402 TERRY LEE WAY 21144 SEVERN MD	22	116
282	SMITH ROBERT T	8403 TERRY LEE WAY 21144 SEVERN MD	22	116
283	HEATH KENNETH L	8404 TERRY LEE WAY 21144 SEVERN MD	22	116
284	DAVILA EDWIN	8405 TERRY LEE WAY 21144 SEVERN MD	22	116
285	MORELAND JEREMY	8406 TERRY LEE WAY 21144 SEVERN MD	22	116
286	YODER DAVID M	8408 TERRY LEE WAY 21144 SEVERN MD	22	116
287	ROGERS JIMMIE J	8409 TERRY LEE WAY 21144 SEVERN MD	22	116
288	WILLIAMS CLIFFORD	8410 TERRY LEE WAY 21144 SEVERN MD	22	116
289	THOMPSON HUGH B	8411 TERRY LEE WAY 21144 SEVERN MD	22	116
290	DREWITZ JOSHUA C	8412 TERRY LEE WAY 21144 SEVERN MD	22	116
291	REICHARD II ROBERT G	8414 TERRY LEE WAY 21144 SEVERN MD	22	116
292	NOLAN JOHN P	8415 TERRY LEE WAY 21144 SEVERN MD	22	116
293	DAMES BENJAMIN J	8416 TERRY LEE WAY 21144 SEVERN MD	22	116
294	HUBBARD STEPHEN A JR	8417 TERRY LEE WAY 21144 SEVERN MD	22	116
295	DANIEL ANDREW J	8418 TERRY LEE WAY 21144 SEVERN MD	22	116
296	HUTHMAKER THOMAS A	85 GAMBRILLS RD 21144 SEVERN MD	22	323
297	BODKIN JEREMY	8550 FALES LN 21144 SEVERN MD	22	313
298	HOPKINS CHELSEA	8552 FALES LN 21144 SEVERN MD	22	312
299	JARMER THERESA V	88 GAMBRILLS RD 21144 SEVERN MD	22	162
300	DAVIS MARIAH C	89 GAMBRILLS RD 21144 SEVERN MD	22	164
301	HENEGAR ALEC CHASE	95 GAMBRILLS RD 21144 SEVERN MD	22	359
302	KIM JUNGMIN CHA	96 GAMBRILLS RD 21144 SEVERN MD	22	160
303	LAMAR JUSIN C	99 GAMBRILLS RD 21144 SEVERN MD	22	165

Notes:

(1) The street address is assigned by the local government. It includes the street number and street name as well as any directions and street types. Note that it is not necessarily the same as the mailing address.

ATTACHMENT 5

FAA DOCUMENTATION



Notice Criteria Tool

[Notice Criteria Tool - Desk Reference Guide V_2018.2.0](#)

The requirements for filing with the Federal Aviation Administration for proposed structures vary based on a number of factors: height, proximity to an airport, location, and frequencies emitted from the structure, etc. For more details, please reference [CFR Title 14 Part 77.9](#).

You must file with the FAA at least 45 days prior to construction if:

- your structure will exceed 200ft above ground level
- your structure will be in proximity to an airport and will exceed the slope ratio
- your structure involves construction of a traverseway (i.e. highway, railroad, waterway etc...) and once adjusted upward with the appropriate vertical distance would exceed a standard of 77.9(a) or (b)
- your structure will emit frequencies, and does not meet the conditions of the [FAA Co-location Policy](#)
- your structure will be in an instrument approach area and might exceed part 77 Subpart C
- your proposed structure will be in proximity to a navigation facility and may impact the assurance of navigation signal reception
- your structure will be on an airport or heliport
- filing has been requested by the FAA

If you require additional information regarding the filing requirements for your structure, please identify and contact the appropriate FAA representative using the [Air Traffic Areas of Responsibility map](#) for Off Airport construction, or contact the [FAA Airports Region / District Office](#) for On Airport construction.

The tool below will assist in applying Part 77 Notice Criteria.

*** Structure Type:** ▼
 Please select structure type and complete location point information.

Latitude: Deg M S ▼

Longitude: Deg M S ▼

Horizontal Datum: ▼

Site Elevation (SE): (nearest foot)

Structure Height : (nearest foot)

Is structure on airport: No Yes

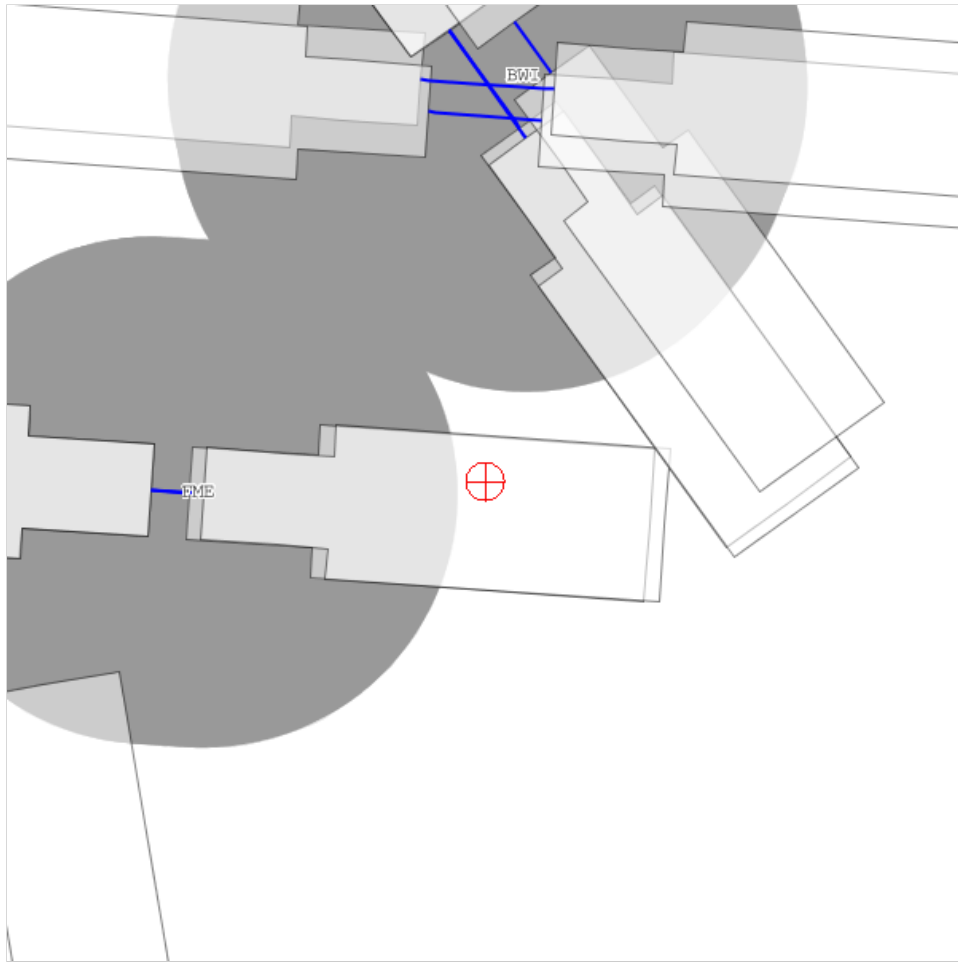
Results

You exceed the following Notice Criteria:

Your proposed structure exceeds an instrument approach area by 35 feet and aeronautical study is needed to determine if it will exceed a standard of subpart C of 14CFR Part 77. The FAA, in accordance with 77.9, requests that you file.

Your proposed structure is in proximity to a navigation facility and may impact the assurance of navigation signal reception. The FAA, in accordance with 77.9, requests that you file.

The FAA requests that you file





My Cases in WORK IN PROGRESS Status

Please refer to the assigned ASN on all inquiries to the FAA

All Cases	Filter by Case Status	Cases Requiring Action
Show All Cases (8)	Draft (0) Accepted (0) Work in Progress (7) Interim (0) Determined (0) Circularized (0) Terminated (1)	Waiting (0) 7460-2 Required (0) Add Letter (0) Cases Due to Expire (0)

Records 1 to 7 of 7

Page 1 of 1

- [View Folder](#)
- [Create Folder](#)
- [Manage Folders](#)
- [Transfer Cases](#)

[Transfer Cases - Desk Reference Guide V_2018.2.0](#)

ASN	Folder Name	Project Name	Structure Name	Status	Date Accepted	Date Determined	7460-2 Received	City	State
<input type="checkbox"/> 2023-AEA-13766-OE		DAVE -000825559-23	Millersville Landfil...	Work In Progress	10/17/2023			Odenton	MD
<input type="checkbox"/> 2023-AEA-13767-OE		DAVE -000825559-23	Millersville Landfil...	Work In Progress	10/17/2023			Odenton	MD
<input type="checkbox"/> 2023-AEA-13768-OE		DAVE -000825559-23	Millersville Landfil...	Work In Progress	10/17/2023			Odenton	MD
<input type="checkbox"/> 2023-AEA-13769-OE		DAVE -000825559-23	Millersville Landfil...	Work In Progress	10/17/2023			Odenton	MD
<input type="checkbox"/> 2023-AEA-13770-OE		DAVE -000825559-23	Millersville Landfil...	Work In Progress	10/17/2023			Odenton	MD
<input type="checkbox"/> 2023-AEA-13771-OE		DAVE -000825559-23	Millersville Landfil...	Work In Progress	10/17/2023			Odenton	MD
<input type="checkbox"/> 2023-AEA-13772-OE		DAVE -000825559-23	Millersville Landfil...	Work In Progress	10/17/2023			Odenton	MD

- [Move To](#)
- [Archive](#)

Rows per Page:

Records 1 to 7 of 7

Page: 1

Page 1 of 1

Draft: Cases that have been saved by the user but have not been submitted to the FAA.

Waiting: Wind Turbine/Met Tower (w/WT Farm) cases that have not been submitted to the FAA and are waiting for an action from the user, either to verify the map or attach specific documents

Accepted: Cases that have been submitted to the FAA.

Add Letter: Cases that have been reviewed by the FAA and require additional information from the user.

Work in Progress: Cases that are being evaluated by the FAA.

Interim: Cases that have been reviewed by the FAA and require resolution from the user.

Determined: Cases that have a completed aeronautical study and an FAA determination.

Terminated: Cases that are no longer valid.

Please allow the FAA a minimum of 45 days to complete a study.

Case Transfer:

- Use the check box(es) to select the case(s) you want to transfer.
- Select the "Transfer Cases button" to open the "Manage Transfer Cases" screen.

Note: Drafts and cases in Add and Terminated status can not be transferred.

[Click here to contact the appropriate representative.](#)



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2023-AEA-13766-OE

Issued Date: 12/06/2023

Daniel Espinoza
Dave Moncrief
389 Burns Crossing Rd
Severn, MD 21144

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Existing Municipal Solid Waste Landfill Millersville Landfill - Cell 9
Location:	Odenton, MD
Latitude:	39-05-25.90N NAD 83
Longitude:	76-39-50.50W
Heights:	125 feet site elevation (SE) 58 feet above ground level (AGL) 183 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part 1)
- Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The FAA has identified the need for an analysis of potential wildlife hazards to aircraft as described in Advisory Circular 150/5200-33, Hazardous Wildlife Attractants on or Near Airports, to be accomplished for this proposal in accordance with 40 Code of Federal Regulation (CFR) 258 section 258.10. Owners or operators of new, existing, and lateral expansions of Municipal Solid Waste Landfill (MSWLF) units that are located within 10,000 feet of any airport runway end used by turbojet aircraft, or within 5,000 feet of any airport runway end used by only piston-type aircraft, must demonstrate the MSWLF units design and operation do not pose a bird hazard to aircraft.

When the services of a wildlife damage management biologist are required, the FAA recommends that land use developers contact a consultant specializing in wildlife damage management or the appropriate United States Department of Agriculture (USDA) State Director of Wildlife Services. The USDA's state offices can be found on their website: (<https://www.aphis.usda.gov>).

This determination expires on 06/06/2025 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (404) 305-6430, or kelly.r.nelson@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2023-AEA-13766-OE.

Signature Control No: 602251079-606467000

Kelly Nelson
Specialist

(DNE)

Attachment(s)
Map(s)





Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2023-AEA-13767-OE

Issued Date: 12/06/2023

Daniel Espinoza
Dave Moncrief
389 Burns Crossing Rd
Severn, MD 21144

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Existing Municipal Solid Waste Landfill Millersville Landfill - Cell 9
Location:	Odenton, MD
Latitude:	39-05-14.10N NAD 83
Longitude:	76-40-18.70W
Heights:	185 feet site elevation (SE) 62 feet above ground level (AGL) 247 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part 1)
- Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The FAA has identified the need for an analysis of potential wildlife hazards to aircraft as described in Advisory Circular 150/5200-33, Hazardous Wildlife Attractants on or Near Airports, to be accomplished for this proposal in accordance with 40 Code of Federal Regulation (CFR) 258 section 258.10. Owners or operators of new, existing, and lateral expansions of Municipal Solid Waste Landfill (MSWLF) units that are located within 10,000 feet of any airport runway end used by turbojet aircraft, or within 5,000 feet of any airport runway end used by only piston-type aircraft, must demonstrate the MSWLF units design and operation do not pose a bird hazard to aircraft.

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This determination expires on 06/06/2025 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

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This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

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This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

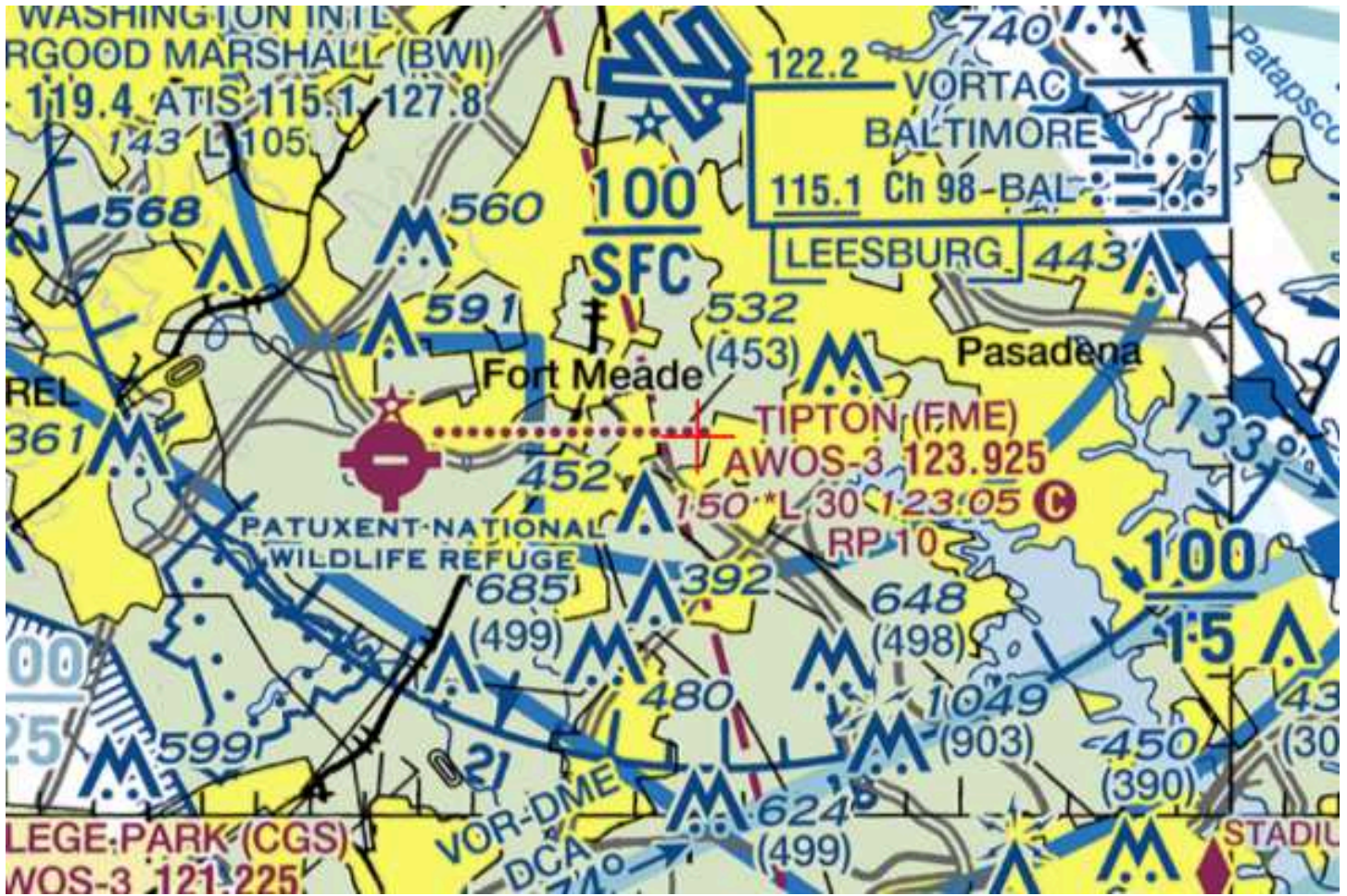
If we can be of further assistance, please contact our office at (404) 305-6430, or kelly.r.nelson@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2023-AEA-13767-OE.

Signature Control No: 602251080-606467003

Kelly Nelson
Specialist

(DNE)

Attachment(s)
Map(s)





Mail Processing Center
 Federal Aviation Administration
 Southwest Regional Office
 Obstruction Evaluation Group
 10101 Hillwood Parkway
 Fort Worth, TX 76177

Aeronautical Study No.
 2023-AEA-13768-OE

Issued Date: 12/06/2023

Daniel Espinoza
 Dave Moncrief
 389 Burns Crossing Rd
 Severn, MD 21144

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Existing Municipal Solid Waste Landfill Millersville Landfill - Cell 9
Location:	Odenton, MD
Latitude:	39-05-25.50N NAD 83
Longitude:	76-39-31.00W
Heights:	134 feet site elevation (SE) 58 feet above ground level (AGL) 192 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part 1)
- Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The FAA has identified the need for an analysis of potential wildlife hazards to aircraft as described in Advisory Circular 150/5200-33, Hazardous Wildlife Attractants on or Near Airports, to be accomplished for this proposal in accordance with 40 Code of Federal Regulation (CFR) 258 section 258.10. Owners or operators of new, existing, and lateral expansions of Municipal Solid Waste Landfill (MSWLF) units that are located within 10,000 feet of any airport runway end used by turbojet aircraft, or within 5,000 feet of any airport runway end used by only piston-type aircraft, must demonstrate the MSWLF units design and operation do not pose a bird hazard to aircraft.

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This determination expires on 06/06/2025 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

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This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

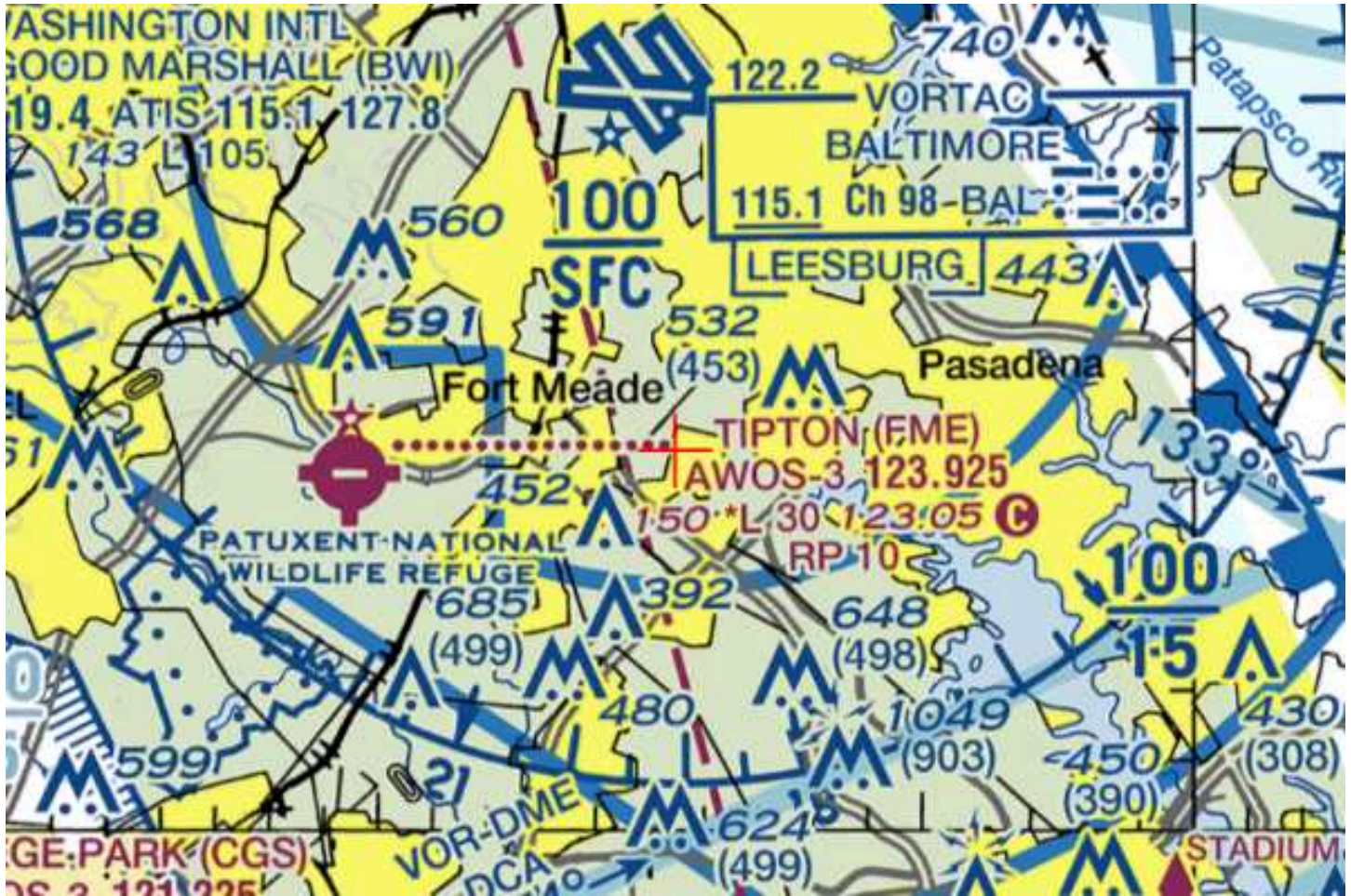
If we can be of further assistance, please contact our office at (404) 305-6430, or kelly.r.nelson@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2023-AEA-13768-OE.

Signature Control No: 602251081-606466998

Kelly Nelson
Specialist

(DNE)

Attachment(s)
Map(s)





Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2023-AEA-13769-OE

Issued Date: 12/06/2023

Daniel Espinoza
Dave Moncrief
389 Burns Crossing Rd
Severn, MD 21144

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Existing Municipal Solid Waste Landfill Millersville Landfill - Cell 9
Location:	Odenton, MD
Latitude:	39-05-15.40N NAD 83
Longitude:	76-39-33.00W
Heights:	177 feet site elevation (SE) 62 feet above ground level (AGL) 239 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part 1)
- Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The FAA has identified the need for an analysis of potential wildlife hazards to aircraft as described in Advisory Circular 150/5200-33, Hazardous Wildlife Attractants on or Near Airports, to be accomplished for this proposal in accordance with 40 Code of Federal Regulation (CFR) 258 section 258.10. Owners or operators of new, existing, and lateral expansions of Municipal Solid Waste Landfill (MSWLF) units that are located within 10,000 feet of any airport runway end used by turbojet aircraft, or within 5,000 feet of any airport runway end used by only piston-type aircraft, must demonstrate the MSWLF units design and operation do not pose a bird hazard to aircraft.

When the services of a wildlife damage management biologist are required, the FAA recommends that land use developers contact a consultant specializing in wildlife damage management or the appropriate United States Department of Agriculture (USDA) State Director of Wildlife Services. The USDA's state offices can be found on their website: (<https://www.aphis.usda.gov>).

This determination expires on 06/06/2025 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

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This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (404) 305-6430, or kelly.r.nelson@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2023-AEA-13769-OE.

Signature Control No: 602251082-606467001

Kelly Nelson
Specialist

(DNE)

Attachment(s)
Map(s)





Mail Processing Center
 Federal Aviation Administration
 Southwest Regional Office
 Obstruction Evaluation Group
 10101 Hillwood Parkway
 Fort Worth, TX 76177

Aeronautical Study No.
 2023-AEA-13770-OE

Issued Date: 12/06/2023

Daniel Espinoza
 Dave Moncrief
 389 Burns Crossing Rd
 Severn, MD 21144

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Existing Municipal Solid Waste Landfill Millersville Landfill - Cell 9
Location:	Odenton, MD
Latitude:	39-05-15.90N NAD 83
Longitude:	76-39-40.10W
Heights:	192 feet site elevation (SE) 59 feet above ground level (AGL) 251 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part 1)
- Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The FAA has identified the need for an analysis of potential wildlife hazards to aircraft as described in Advisory Circular 150/5200-33, Hazardous Wildlife Attractants on or Near Airports, to be accomplished for this proposal in accordance with 40 Code of Federal Regulation (CFR) 258 section 258.10. Owners or operators of new, existing, and lateral expansions of Municipal Solid Waste Landfill (MSWLF) units that are located within 10,000 feet of any airport runway end used by turbojet aircraft, or within 5,000 feet of any airport runway end used by only piston-type aircraft, must demonstrate the MSWLF units design and operation do not pose a bird hazard to aircraft.

When the services of a wildlife damage management biologist are required, the FAA recommends that land use developers contact a consultant specializing in wildlife damage management or the appropriate United States Department of Agriculture (USDA) State Director of Wildlife Services. The USDA's state offices can be found on their website: (<https://www.aphis.usda.gov>).

This determination expires on 06/06/2025 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (404) 305-6430, or kelly.r.nelson@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2023-AEA-13770-OE.

Signature Control No: 602251083-606467002

Kelly Nelson
Specialist

(DNE)

Attachment(s)
Map(s)





Mail Processing Center
 Federal Aviation Administration
 Southwest Regional Office
 Obstruction Evaluation Group
 10101 Hillwood Parkway
 Fort Worth, TX 76177

Aeronautical Study No.
 2023-AEA-13771-OE

Issued Date: 12/06/2023

Daniel Espinoza
 Dave Moncrief
 389 Burns Crossing Rd
 Severn, MD 21144

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Existing Municipal Solid Waste Landfill Millersville Landfill - Cell 9
Location:	Odenton, MD
Latitude:	39-05-07.00N NAD 83
Longitude:	76-40-13.60W
Heights:	212 feet site elevation (SE) 55 feet above ground level (AGL) 267 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part 1)
- Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The FAA has identified the need for an analysis of potential wildlife hazards to aircraft as described in Advisory Circular 150/5200-33, Hazardous Wildlife Attractants on or Near Airports, to be accomplished for this proposal in accordance with 40 Code of Federal Regulation (CFR) 258 section 258.10. Owners or operators of new, existing, and lateral expansions of Municipal Solid Waste Landfill (MSWLF) units that are located within 10,000 feet of any airport runway end used by turbojet aircraft, or within 5,000 feet of any airport runway end used by only piston-type aircraft, must demonstrate the MSWLF units design and operation do not pose a bird hazard to aircraft.

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This determination expires on 06/06/2025 unless:

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If we can be of further assistance, please contact our office at (404) 305-6430, or kelly.r.nelson@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2023-AEA-13771-OE.

Signature Control No: 602251084-606466999

Kelly Nelson
Specialist

(DNE)

Attachment(s)
Map(s)





Mail Processing Center
 Federal Aviation Administration
 Southwest Regional Office
 Obstruction Evaluation Group
 10101 Hillwood Parkway
 Fort Worth, TX 76177

Aeronautical Study No.
 2023-AEA-13772-OE

Issued Date: 12/06/2023

Daniel Espinoza
 Dave Moncrief
 389 Burns Crossing Rd
 Severn, MD 21144

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Existing Municipal Solid Waste Landfill Millersville Landfill - Cell 9
Location:	Odenton, MD
Latitude:	39-05-19.20N NAD 83
Longitude:	76-39-48.90W
Heights:	173 feet site elevation (SE) 112 feet above ground level (AGL) 285 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

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The FAA has identified the need for an analysis of potential wildlife hazards to aircraft as described in Advisory Circular 150/5200-33, Hazardous Wildlife Attractants on or Near Airports, to be accomplished for this proposal in accordance with 40 Code of Federal Regulation (CFR) 258 section 258.10. Owners or operators of new, existing, and lateral expansions of Municipal Solid Waste Landfill (MSWLF) units that are located within 10,000 feet of any airport runway end used by turbojet aircraft, or within 5,000 feet of any airport runway end used by only piston-type aircraft, must demonstrate the MSWLF units design and operation do not pose a bird hazard to aircraft.

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Signature Control No: 602251085-606467004

Kelly Nelson
Specialist

(DNE)

Attachment(s)
Map(s)

