

**LANDFILL CLOSURE CERTIFICATION REPORT
NYSDEC REGISTRATION No. 01L12211**

**PORT OF ALBANY EXPANSION PROJECT
BEACON ISLAND PARCEL
BETHLEHEM, ALBANY COUNTY, NEW YORK**



WBE certified company

PREPARED BY:

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PREPARED FOR:

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Albany, New York 12202**

ATL REPORT No. AT5596CE-32-11-24

November 4, 2024

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1.0 INTRODUCTION

Atlantic Testing Laboratories, Limited (ATL) was retained on behalf of the Albany Port District Commission to prepare a Landfill Closure Certification Report for the Beacon Island site that is impacted with coal ash material and related debris. Recent site redevelopment included landfill reclamation activities, subject to registration through the New York State Department of Environmental Conservation (NYSDEC) pursuant to 6 NYCRR Part 360-15. The site redevelopment was completed between April 2022 and October 2024. Activities related to landfill reclamation work were commenced after submission of a Landfill Reclamation Work Plan in October 2022.

2.0 SITE DESCRIPTION

2.1 Site Location

The subject site is the Beacon Island parcel located to the east of River Road (County Route 144) and along the west side of the Hudson River, in the Town of Bethlehem, Albany County, New York. The subject site is intersected by 42° 36' 11" north latitude and 73° 45' 57" west longitude. The Beacon Island parcel is comprised of approximately 80 acres, and has been redeveloped as part of an expansion for the Port of Albany.

Properties directly north of the subject site include manufacturing and processing facilities and warehouse/distribution facilities, primarily associated with the Port of Albany. Properties directly to the south include an electric power generation facility. An electric transmission line corridor is located adjacent to the west of the subject property, followed by commercial and residential properties located along River Road. The Hudson River is immediately east of the subject site. Properties in the immediate vicinity of the subject site are zoned as industrial. Residential, rural, and commercial zoned properties exist further out.

A Site Location Map, showing the location of the subject site, is attached as **Figure 1**. A Landfill Reclamation Aerial Photo (Photograph Dated October 15, 2024) is provided as **Figure 2**.

2.2 Solid Waste Management Facility Registration

The Beacon Island site in Bethlehem, New York, has a current 6 NYCRR Part 360 registration under NYSDEC Registration No. 01L12211. This registration has an effective date of October 28, 2022 and expiration date of October 27, 2027. A copy of the registration is included as **Appendix A**.

3.0 LANDFILL AND CONSTRUCTION OPERATIONS

3.1 Pre-Construction Conditions

Available historical information and data from previous site investigations indicate that fill and ash materials have been placed at varying depths in areas of the subject site. Furthermore, available information indicates that placement of ash contaminated wastes ceased some time previous to 1970. Prior to landfill reclamation activities at the site, subsurface investigations were performed to assess the extents of the ash materials. **Figure 3**, Aerial Extent of Landfill Material - Pre-Construction, shows the approximate extents where ash materials were encountered prior to site redevelopment by the Port of Albany.

3.2 Landfill Reclamation Work Plan

A Landfill Reclamation Work Plan (LRWP) was prepared for the facility, to address criteria described in 6 NYCRR Part 363-11.4 for landfill reclamation activities. The LRWP included a summary of site investigations for identifying the approximate extents of landfill material and evaluating soil quality, groundwater, and soil vapor characteristics, along with feasibility study and planned reclamation work activities. The LRWP was prepared by ATL on behalf of the Port of Albany, and is referenced as ATL Report No. AT5596CE-06-10-22, dated October 20, 2022.

The primary reclamation work plan components included the following:

- Site preparation
- Disturbance of landfill materials
- Site cap
- Soil Management Plan (earthwork, staging procedures, imported fill, dust control, community air monitoring plan (CAMP), work zone air monitoring)
- Decommissioning of monitoring wells
- Stormwater and leachate management
- Closure certification report

A modification to the LRWP was submitted in December 2022 (reference ATL Report No. AT5596CE-06-10-22, dated December 1, 2022) to describe areas requiring excavation that were not described in the original work plan. This modification was provided for clarification of planned work activities, with additional portions and quantities of the coal ash materials to be relocated.

Subsequent to submitting the LRWP, NYSDEC requested a Groundwater Monitoring Plan to specify installation of multiple groundwater wells along the banks of the Hudson River. These would be used to monitor potential contaminant migration resulting from construction activities over the coal ash landfill. The Groundwater Monitoring Plan was prepared by ATL on behalf of Port of Albany (reference ATL Report No. AT5596CE-08-11-22 Revision 1, dated December 2, 2022).

Sections 3.3 through 3.9 provide further description of work that has been completed relative to the primary LRWP components.

3.3 Site Preparation

Site preparation activities during construction and redevelopment at the Beacon Island site were pertinent to ensuring the site would be suitable for installation and maintenance of a site cap over the coal ash materials. **Table 1** – Status of Site Preparation Work provides a summary of site preparation items described in the LRWP, and status of performance during construction and long-term. As indicated in **Table 1**, site preparation items were completed pursuant to conditions described in the LRWP, with some items having continued applicability through long-term operations at the site.

3.4 Disturbance of Landfill Materials

As indicated in the LRWP and subsequent modification, disturbance of landfill materials would include removal of a portion of the coal ash from approximately 6.83 acres of the

site and relocation of this material to areas covering approximately 8.92 acres of the site. The estimated volume of coal ash to be relocated was 21,900 cubic yards. Disturbance of landfill materials were limited to the prescribed areas, with no other areas requiring excavation of coal ash for relocation.

Petroleum-contaminated soil was encountered at 2 locations during construction and affected materials were excavated and transported off-site for disposal at a permitted facility. One area of concern included petroleum-impacted soil discovered at the location of a monitoring well (MW-3) that was installed at the subject site in December 2022. The spill was reported under NYSDEC Spill No. 2206029, and the completed excavation for affected soil material measured approximately 25 feet in radius, with depth ranging from 4 to 8 feet. Post-excavation soil samples were collected for analysis of volatile organic compounds (VOC) and semi-VOC. A summary of the sampling and analysis results is provided in a Post-Excavation Soil Sampling and Analysis Report prepared by ATL (reference ATL Report No. AT5752CE-01-04-23, dated April 11, 2023).

The second area of concern with petroleum-contaminated soil was discovered at locations of subsurface investigation borings completed on October 4 and 5, 2022. This area was reported under NYSDEC Spill No. 2208519, and the completed excavation for affected soil material measured approximately 100 feet by 175 feet, with depths ranging between 2 to 8 feet. Post-excavation soil samples were collected for analysis of VOC and semi-VOC. A summary of the sampling and analysis results is provided in a Post-Excavation Soil Sampling and Analysis Report prepared by ATL (reference ATL Report No. AT5752CE-02-04-23 Revision 1, dated June 29, 2023).

Excavation work for the relocation of ash materials and removal of petroleum-contaminated soil for disposal was performed pursuant to conditions of the Soil Management Plan for the site (reference Section 3.6).

3.5 Site Cap

The LRWP described conditions for installation of a site cap over areas of the site where coal ash would remain and where portions of coal ash would be relocated to. The following criteria were established for the site cap.

- A minimum of 2 feet of soil cover will be placed above the ash material.
- The upper 6 inches of the soil cover will be suitable to sustain growth of appropriate vegetation at the ground surface in areas that will not be covered with impervious surfaces.
- Certain areas of the subject site will have buildings, pavement, and concrete pads that will serve as an additional layer of site cap.
- The upper 2 feet of the soil cover will not have concentrations of contaminants that exceed the Restricted Residential Soil Cleanup Objectives (SCO) set forth in 6 NYCRR Part 375-6.
- Imported fill that is placed at a depth below the upper 2 feet of soil cover will not have concentrations of contaminants that exceed the Commercial SCO set forth in 6 NYCRR Part 375-6.
- A demarcation layer will be provided between the soil cover layer and underlying impacted soil. Subsequent to site grading, and prior to placement of imported material for the site cap, a filter fabric will be placed to provide separation of these layers and will serve as the demarcation layer.

- In the event that the soil cover system is breached, penetrated, or temporarily removed, restoration to original conditions (or equivalent) will be performed.
- Areas with a soil cover will be inspected at least annually, to assess existing conditions and determine if any restoration or repairs are necessary. Inspections will also be performed after severe weather events or significant site operations that may have adversely affected the soil cover system.

The site cap has been installed during the course of construction, with fill material placed over areas containing the coal ash material and a demarcation layer (filter fabric) placed between the graded pre-existing materials and the imported fill. Section 4.2 provides additional details pertaining to as-built conditions for the site cap.

3.6 Soil Management Plan

A Soil Management Plan was prepared for the site to address areas that are impacted with ash material and related debris, in addition to describing methods to be used for the handling and management of areas impacted by petroleum/chemical spills, if encountered. The Soil Management Plan (reference ATL Report No. AT5596CE-05-10-20 Revision 2, dated October 20, 2022) was incorporated into the LRWP, with pertinent components including earthwork, staging procedures, importation of fill, dust control, community air monitoring, and work zone air monitoring. The Soil Management Plan was referenced during construction and site redevelopment work, and shall continue to be applicable for future site management and long-term maintenance and monitoring.

3.7 Decommissioning of Monitoring Wells

Prior to development of the LRWP, there were 6 pre-existing monitoring wells on the subject site. The planned redevelopment and site construction were not conducive to maintaining these monitoring wells in a stable condition for future use. As such, the pre-existing monitoring wells were decommissioned during the site redevelopment work. New monitoring wells were installed along the banks of the Hudson River to facilitate groundwater sampling and analysis prior to, during, and after construction. Reference Section 3.9 for additional details pertaining to the groundwater monitoring.

3.8 Stormwater and Leachate Management

Construction at the site included installation of closed drainage networks with ultimate discharge into the Normans Kill or Hudson River. These drainage networks were constructed as described on the project plans, SWPPP, and LRWP, and will serve to collect site stormwater and transfer away from areas with the site cap.

3.9 Groundwater Monitoring

Groundwater monitoring has been performed as part of the site construction and redevelopment. The Groundwater Monitoring Well Plan (reference ATL Report No. AT5596CE-08-11-22 Revision 1, dated December 2, 2022) specified the installation of 5 monitoring wells along the side of the site adjacent to the Hudson River. Groundwater sampling events were initiated in December 2022, prior to commencement of construction activities, and have been performed on a monthly basis through the construction work. Post-construction events are planned at a frequency of every 6 months until NYSDEC allows for discontinuation.

4.0 LANDFILL CLOSURE

4.1 Closure Methods

Closure methods were completed in general conformance with the LRWP, as described in Section 3 of this report, and were performed during the Beacon Island site construction and redevelopment project. Construction inspection and observation records, testing reports, material and product data, and other documents pertaining to the project are maintained by the Port of Albany and can be made available upon request.

4.2 As-Built Conditions

Figure 4 – Landfill Reclamation Grading As-Built Plan provides an overview of existing site conditions, based on construction work completed for the landfill reclamation activity, and also includes topographical contours for pre-existing conditions and post-cap construction conditions. **Figure 5** – Landfill Reclamation Site Cap (Gravel Thickness) shows details pertaining to the gravel thickness for the constructed site cap system. Locations of utilities and drainage control structures are shown on **Figure 6** – Utility As-Built Condition as of 11-01-2024 and **Figure 7** – Drainage As-Built Condition as of 11-01-2024. The as-built conditions generally correspond with the conditions described in the LRWP.

4.3 Inactive Facility Notification and Annual Report

6 NYCRR Part 360.21 includes conditions for providing notification to NYSDEC of closure activities, and submitting an annual report. Operations at the registered facility were limited to the landfill reclamation activities performed during construction, which pertained only to existing coal ash materials on the site. No additional wastes were received at the facility.

Appendix B includes an Inactive Solid Waste Management Facility or Activity Notification Form to serve as notification of closure and certification that the facility is no longer operational. Furthermore, pursuant to conditions stated on the form, the owner/operator relinquishes their NYSDEC registration and retains no other permit, registrations, or licenses related to the landfill reclamation activity.

It is noted that an annual report template for landfill reclamation activities is not available under Solid Waste Facilities Forms on the NYSDEC website. It is also noted that the intent of an Annual Report is to identify the quantities of materials received or processed at a solid waste management facility. In consideration of no available annual report form for landfill reclamation and the subject facility not receiving any wastes, it is not anticipated that an annual report is necessary for facility closure. If an annual report is needed or required, and an applicable annual report form is provided to the Albany Port District Commission by NYSDEC, such report can be prepared and submitted.

5.0 POST-CLOSURE OPERATIONS

5.1 Site Access/Site Security

Fencing and gates will be maintained around the perimeter of the subject site, and will serve to restrict access to authorized personnel. The general public will not have direct access to the site.

5.2 Future Site Work

Pending site work includes construction of 4 buildings, as has been incorporated into the Port of Albany's site redevelopment plans. These remaining construction activities will not include significant disturbance or alteration to the site cap or underlying coal ash materials. No other work impacting the site cap is anticipated for the foreseeable future. In the event that disturbance to the site cap materials is necessary for future site management or maintenance activities, the Soil Management Plan shall be referenced for protocol to be implemented.

5.3 Groundwater Monitoring

The Groundwater Monitoring Plan for the site includes a requirement for monthly groundwater sampling and analysis events during construction and post-construction events at a frequency of every 6 months until NYSDEC allows for discontinuation. The groundwater monitoring will continue at the stated frequencies.

5.4 Long-Term Maintenance and Monitoring

5.4.1 Site Cap Maintenance

The site cap shall be maintained intact to ensure on-site coal ash materials remain covered and there are no direct exposure risks. As specified in the Soil Management Plan for the facility, in the event that the soil cover system is breached, penetrated, or temporarily removed, restoration to original condition (or equivalent) shall be completed.

5.4.2 Annual Site Inspections

A comprehensive site-wide inspection shall be performed annually, to assess and verify the soil cover system remains in satisfactory condition. These annual inspections must be performed when the ground surface is visible (i.e., no snow cover), and shall be conducted by a representative who meets one of the following criteria:

- Qualified environmental professional per definition in 6 NYCRR Part 375
- A Professional Engineer (PE) or Professional Geologist (PG) who is licensed and registered in New York State
- A qualified person who reports directly to a PE or PG who is licensed and registered in New York State

Inspections shall be documented on a site-specific form, established for compiling sufficient information to assess the following, at a minimum:

- General site conditions at the time of the inspection
- An evaluation of the condition and continued effectiveness of the soil cover system
- Whether permanent stormwater management systems are working as designed.
- A review of site records pertinent to the soil cover system, and confirmation these are up-to-date
- Compliance with requirements of Soil Management Plan (reference LRWP)

A sample form for use during the annual inspection is included in **Appendix C**.

5.4.3 Severe Weather Event/Significant Site Operations Inspections

A comprehensive site-wide inspection shall be performed after the occurrence of a severe weather event or significant site operations, considered to have the potential for damage or disturbance to the site cap and/or stormwater management features. The site SWPPP also includes provisions for inspections after a severe weather event. The sample form included in **Appendix C** can be used for documentation of these inspections, if not otherwise covered under inspection documentation described in the SWPPP.

5.5 Recordkeeping

Records and documentation pertinent to the site construction, landfill reclamation activity, and post-closure operations should be maintained and accessible for review upon request. Following is a list of the types of records and documentation that should be maintained:

- Site investigation reports
- LRWP and modification letter
- Soil Management Plan (included with LRWP via appendix)
- Groundwater Monitoring Well Plan and groundwater sampling and analysis reports
- Landfill Closure Certification Report
- Construction inspection and observation reports
- Construction-related testing reports pertinent to components of the landfill reclamation activities (e.g., community air monitoring reports, soil sampling and analysis reports, soil compaction testing)
- Construction-related material/product data pertinent to components of the landfill reclamation activities (e.g., site cap materials, stormwater system components)
- As-built plans (included with Landfill Closure Certification Report via appendix)
- Annual site inspection and severe weather event/significant site operations inspection reports (minimum of 3 years recommended)
- Records of any repairs or modifications to site cap

TABLES

Table 1 – Status of Site Preparation Work

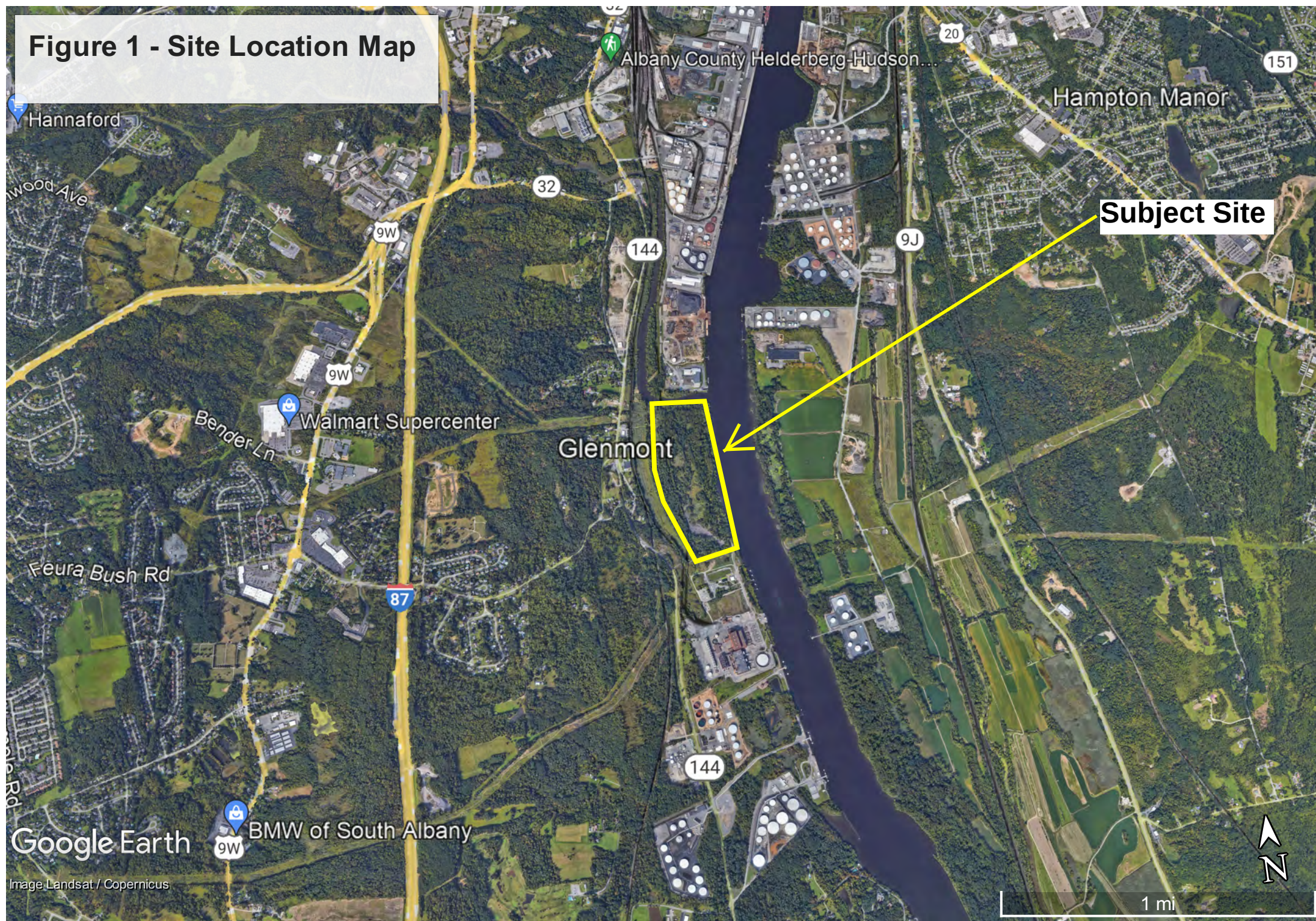
Table 1 – Status of Site Preparation Work

Site Preparation Activities Described in LRWP	Performance During Construction	Long-Term Status
All wooded areas on the property to be cleared and grubbed, with the exception of trees along the shoreline	Clearing and grubbing have removed wooded areas, with trees along the shoreline remaining	Trees along the shoreline are to remain for the foreseeable future. Trees are not planned for planting in other areas, and as such, should not impact the site cap and underlying coal ash materials.
Approximately 0.81 acre of wetland area to be impacted at the northwest section of the site, with mitigation measures pursuant to the Stormwater Pollution Prevention Plan (SWPPP)	Wetland impacts and mitigation completed pursuant to project plans and permits.	N/A
Rail cars and rail line to be removed from the site	Rail cars and rail line were removed	N/A
Grading to include excavation at designated areas of cuts; however, majority of site will receive fill	Site grading has been completed, with portions of coal ash relocated via planned cuts and fill	No further site excavation is currently planned. In the event that localized excavations need to be performed in the future, work shall be performed per conditions of the Soil Management Plan
Aggregate surcharging to be applied to footprints of each of 4 buildings to be constructed, in addition to a utility crossing area	Aggregate surcharging has been completed for the building footprints and utility crossing area.	Buildings are yet to be constructed. The landfill materials, with site cap, are not expected to be significantly impacted or altered during future building construction.
Entrance driveway to be constructed on the south end of the west side of the site	Entrance driveway has been constructed.	The entrance driveway will remain as permanent access to the site.
Erosion and sediment control to be implemented per SWPPP conditions	SWPPP was implemented during construction for erosion and sediment control, with routine inspections. Maintenance or modifications provided as needed.	The erosion and sediment control plan employed temporary and permanent measures. Temporary measures will not be applicable to long-term site operations. Permanent measures include riprap outlet protection, soil stabilization, check dams, and diversion dikes, and will require continued maintenance.
Site stormwater management systems to be installed pursuant to SWPPP conditions	SWPPP was implemented during construction for site stormwater management.	Permanent stormwater management features will remain at the site. Albany Port District Commission will be responsible for maintenance of post-construction stormwater management facilities, including jellyfish filter (12 units at 7 locations), stormwater ponds (2), infiltration basins (2), dry swales (2), and stormwater collection and conveyance systems.
A gated security fence to be installed around the site	An 8-foot chain link security fence, with lockable gates at entrances, was installed for the construction site.	A security fence will be maintained for the facility, which will serve to restrict access to the site.

FIGURES

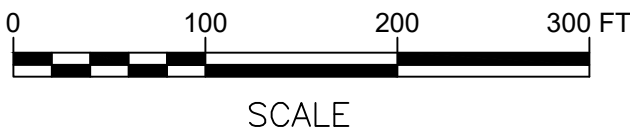
- Figure 1 – Site Location Map***
- Figure 2 – Landfill Reclamation Aerial Photo (Photograph Dated October 15, 2024)***
- Figure 3 – Aerial Extent of Landfill Material - Pre-Construction***
- Figure 4 – Landfill Reclamation Grading As-Built Plan***
- Figure 5 – Landfill Reclamation Site Cap (Gravel Thickness)***
- Figure 6 – Utility As-Built Condition as of 11-01-2024***
- Figure 7 – Drainage As-Built Condition as of 11-01-2024***

Figure 1 - Site Location Map





AERIAL SITE PHOTO FROM OCTOBER 15, 2024.



McFarland Johnson
60 RAILROAD PLACE
SUITE 402
SARATOGA SPRINGS, NEW YORK 12866
P:518-580-9380 F:518-580-9383
SaratogaROM@mjinc.com

PROJECT MILESTONE
PERMIT FIGURE

NO.	DATE	DESCRIPTION

CLIENT:
ALBANY PORT DISTRICT COMMISSION

ALBANY, NEW YORK

PROJECT:
PORT EXPANSION SITE - SITE PREPARATION

DRAWN	JES
DESIGNED	NSO
CHECKED	AJF
SCALE	1"=100'
DATE	OCTOBER 30, 2024
PROJECT	18641.00

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DRAWING TITLE
**LANDFILL RECLAMATION
AERIAL PHOTO**

DRAWING NUMBER
FIGURE 2



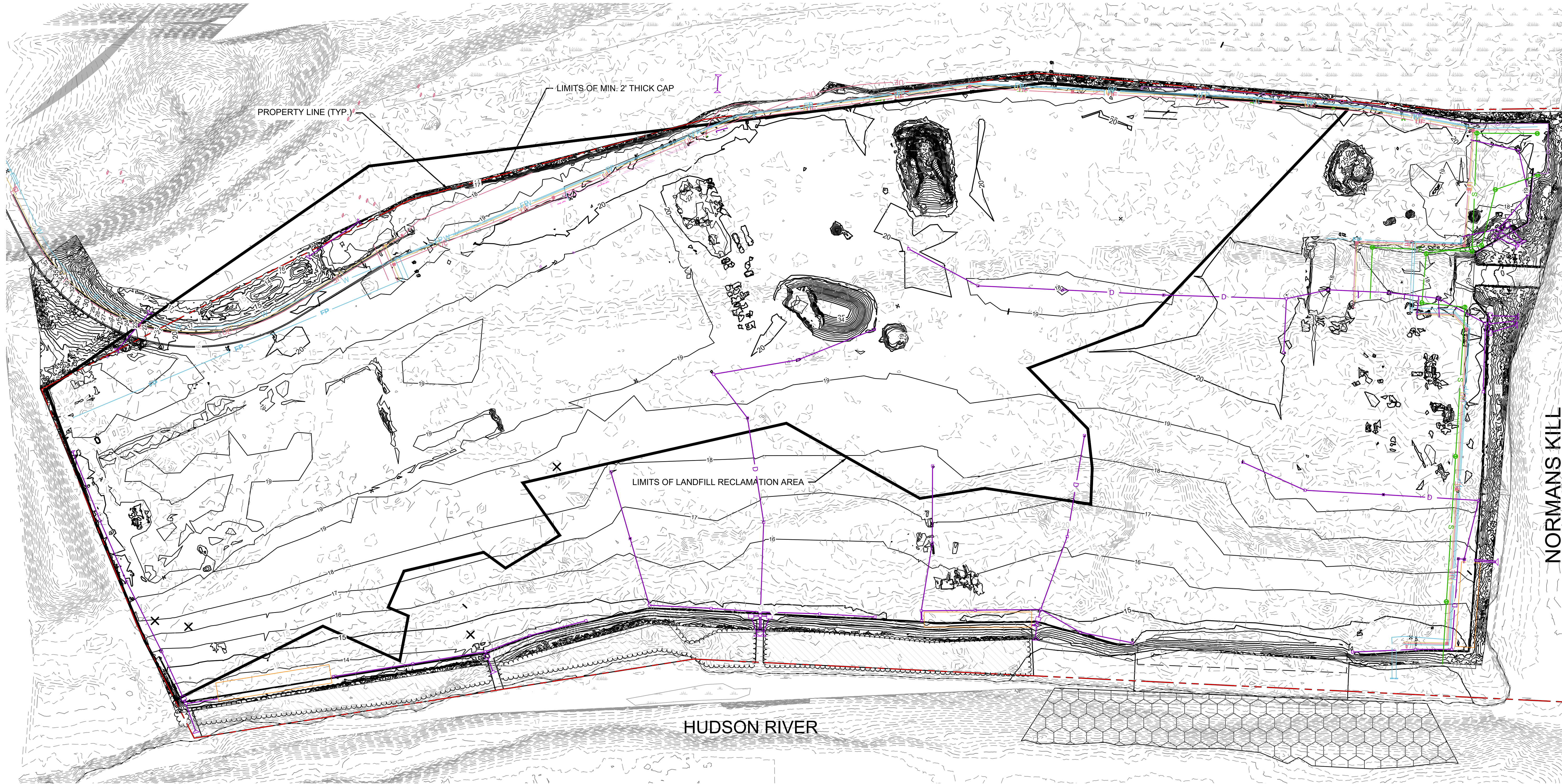
LEGEND :



Approximate Aerial Extents of Coal Ash Material

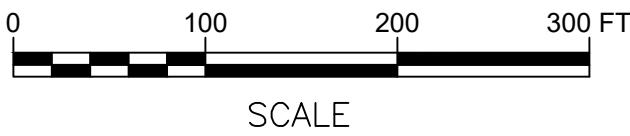
AERIAL EXTENT OF LANDFILL MATERIAL - PRE-CONSTRUCTION	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	CJD	Fig. 3	As Noted	AT5596	October 2022
Beacon Island Parcel Bethlehem, Albany County, New York		ATLANTIC TESTING LABORATORIES, Limited Albany, NY Binghamton, NY Canton, NY Elmira, NY Poughkeepsie, NY Plattsburgh, NY Rochester, NY Syracuse, NY Utica, NY Watertown, NY WBE Certified Company www.AtlanticTesting.com			

N:\18641.00 ALBANY PORT EXPANSION\DRAWINGS\AS-BUILT - SITE PREPARATION\LANDFILL RECL. FIGURE 4-AS-BUILT.DWG



AS-BUILT BASED ON AN AERIAL SURVEY FROM OCTOBER 15, 2024.

LEGEND	
PROPERTY LINE	---
LANDFILL RECLAMATION LIMITS	---
PRE-EXISTING CONDITIONS CONTOUR	---18---
CURRENT AS-BUILT CONTOUR	---17---





McFarland Johnson
60 RAILROAD PLACE
SUITE 402
SARATOGA SPRINGS, NEW YORK 12866
P:518-580-9380 F:518-580-9383
SaratogaROM@mjinc.com

PROJECT MILESTONE		
PERMIT FIGURE		
NO.	DATE	DESCRIPTION

CLIENT:
ALBANY PORT DISTRICT COMMISSION

ALBANY, NEW YORK

PROJECT:
PORT EXPANSION SITE - SITE PREPARATION

DRAWN	JES
DESIGNED	NSO
CHECKED	AJF
SCALE	1"=100'
DATE	OCTOBER 30, 2024
PROJECT	18641.00

CONCEPTUAL
FIGURE
NOT FOR
CONSTRUCTION

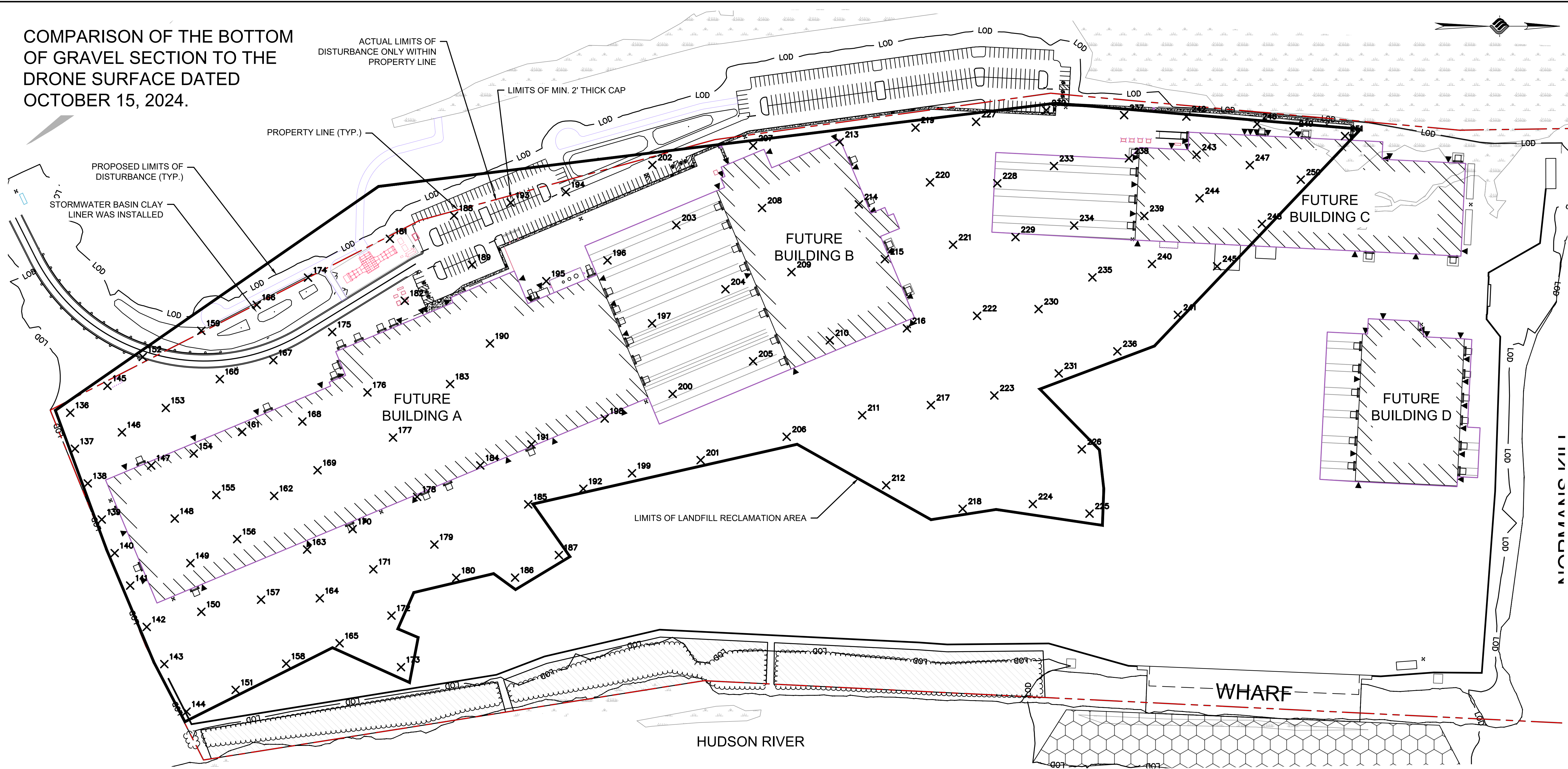
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DRAWING TITLE
**LANDFILL RECLAMATION
GRADING AS-BUILT
PLAN**

DRAWING NUMBER

FIGURE 4
OF

COMPARISON OF THE BOTTOM
OF GRAVEL SECTION TO THE
DRONE SURFACE DATED
OCTOBER 15, 2024.



Bottom of Cap Surface Elevations			
Point #	Elevation	Northing	Eastng
251	16.911	1375277.5005	689327.9029
250	17.000	1375189.8048	689414.3767
249	16.858	1375175.3891	689318.2947
248	17.000	1375112.9209	689502.0515
247	17.000	1375088.8946	689385.5521
246	16.731	1375024.0238	689586.1232
245	16.366	1375024.0238	689586.1232
244	17.000	1374989.4490	689451.2555
243	17.000	1374983.3459	689364.9326
242	16.609	1374963.0319	689289.2878
241	16.934	1374946.4071	689262.3303
240	16.414	1374894.9870	689151.4442
239	17.000	1374879.7514	689146.2687
238	17.000	1374849.2803	689137.0581
237	16.278	1374839.7580	689098.4001
236	15.443	1374826.4268	689075.6637
235	16.013	1374776.9113	689068.0934
234	16.829	1374740.7267	689055.3038
233	16.700	1374700.7333	689037.2861
232	15.990	1374685.4978	689076.8826
231	15.970	1374710.2555	689078.4445
230	14.666	1374670.2622	689076.9092
229	16.580	1374624.5554	689058.1459
228	16.982	1374588.3709	689041.5494
227	16.362	1374546.4730	689029.7247
226	14.776	1374755.9623	689048.8218
225	13.438	1374771.1979	690076.3570
224	13.684	1374658.8355	690057.3219
223	15.270	1374582.6576	689942.2252
222	15.303	1374546.3775	689964.2338
221	16.707	1374500.7663	689943.3740
220	16.358	1374455.0595	689949.6458
219	16.250	1374426.4928	689931.1457
218	13.889	1374510.8198	690006.6396
217	15.155	1374565.9640	689981.2603
216	16.833	1374408.3259	689978.9794
215	17.000	1374365.5506	689971.9267
214	17.000	1374314.1304	689963.4266
213	17.000	1374276.0415	689939.6884
212	13.956	1374368.2978	690020.2094

Bottom of Cap Surface Elevations			
Point #	Elevation	Northing	Eastng
211	15.341	1374320.7706	689881.2858
210	17.000	1374256.6090	689732.8633
209	17.000	1374180.5655	689597.5019
208	17.000	1374122.3448	689470.4521
207	16.890	1374104.5221	689346.9646
206	15.229	1374171.0601	689924.0315
205	16.773	1374104.5221	689774.4216
204	16.790	1374049.7715	689631.5967
203	16.641	1373952.4735	689504.6748
202	18.711	1373904.9386	689385.1751
201	14.641	1374000.6719	689970.3111
200	16.891	1373945.0746	689839.0953
199	14.692	1373864.6362	689906.3178
198	16.914	1373810.4937	689887.8542
197	16.771	1373804.3507	689869.1259
196	16.860	1373816.0244	689874.3084
195	16.869	1373894.7232	689615.5218
194	18.661	1373733.5867	689438.8933
193	18.185	1373624.0622	689460.0887
192	14.978	1373768.0859	690027.0987
191	17.000	1373665.4697	689939.1300
190	17.000	1373583.1373	689739.0399
189	15.508	1373289.4816	689582.9606
188	17.744	1373511.9463	689485.6832
187	13.406	1373719.6660	690158.4446
186	13.004	1373632.8792	690203.2543
185	15.299	1373658.9152	690057.9842
184	17.000	1373563.9379	689960.8317
183	17.000	1373504.1354	689981.4528
182	15.852	1373414.3323	689954.3259
181	16.149	1373384.8768	689931.5577
180	13.723	1373316.2535	690203.6962
179	15.029	1373473.0062	690137.6704
178	16.916	1373438.7492	690043.0971
177	17.000	1373391.0462	689925.5822
176	17.000	1373340.3991	689836.0590
175	16.658	1373270.4648	689716.3225
174	16.994	1373222.7142	689608.5821
173	10.671	1373406.8924	690380.7594
172	12.835	1373387.9938	690278.5288

Bottom of Cap Surface Elevations			
Point #	Elevation	Northing	Eastng
171	14.857	1373351.9168	690186.6096
170	16.694	1373310.9667	690106.9764
169	17.000	1373241.4953	689990.3662
168	17.000	1373211.3852	689902.0515
167	16.306	1373153.8836	689772.2716
166	16.689	1373121.0549	689662.5255
165	12.080	1373285.2066	690333.3646
164	14.249	1373245.9603	690244.1055
163	16.600	1373220.7893	690147.5619
162	17.000	1373105.4438	690041.1945
161	17.000	1373092.0255	689914.4137
160	15.433	1373047.7606	689809.7389
159	16.723	1373011.2112	689713.8620
158	11.538	1373178.3428	690373.8556
157	15.067	1373129.5271	690247.0513
156	17.000	1373082.1826	690126.8233
155	17.000	1373040.9149	690039.5917
154	17.000	1372996.1339	689957.4013
153	14.919	1372940.7267	689867.2861
152	23.359	1372895.0326	689765.6727
151	10.713	1373079.1294	690425.8611
150	15.463	1373011.0991	690271.0521
149	17.000	1372989.4816	690174.5071
148	17.000	1372958.4847	690086.2107
147	17.000	1372911.8994	689981.0237
146	15.833	1372853.8255	689915.1228
145	14.227	1372825.1455	689823.0173
144	9.758	1372981.8612	690468.7793
143	12.655	1372937.8169	690374.6270
142	14.993	1372902.9912	690300.9426
141	16.476	1372870.2141	690219.0711
140	16.424	1372839.4855	690154.5972
139	16.454	1372813.8704	690088.0755
138	13.406	1372786.2227	690016.4389
137	14.922	1372760.6155	689947.8715
136	14.325	1372751.4140	689876.4321

Current Top of Cap Surface Elevations			
Point #	Elevation	Northing	Eastng
251	19.810	1375277.5005	689327.9029
250	19.680	1375189.8048	689414.3767
249	19.748	1375175.3891	689318.2947
248	19.489	1375112.9209	689502.0515
247	19.754	1375088.8946	689385.5521
246	19.542	1375103.3103	689346.9646
245	19.878	1375024.0238	689586.1232
244	19.629	1374989.4490	689451.2555
243	19.614	1374983.3459	689364.9326
242	18.735	1374963.0319	689289.2878
241	18.740	1374946.4071	689262.3303
240	19.052	1374894.9870	689151.4442
239	19.505	1374879.7514	689146.2687
238	19.883	1374849.2803	689137.0581
237	18.300	1374839.7580	689098.4001
236	15.485	1374826.4268	689075.6637
235	19.872	1374776.9113	689068.0934
234	19.612	1374740.7267	689055.3038
233	19.695	1374700.7333	689037.2861
232	18.238	1374685.4978	689076.8826
231	19.915	1374710.2555	689078.4445
230	18.569	1374670.2622	689076.9092
229	18.605	1374624.5554	689058.1459
228	19.777	1374588.3709	689041.5494
227	19.023	1374546.4730	689029.7247
226	18.481	1374755.9623	689048.8218
225	17.237	1374771.1979	690076.3570
224	17.636	1374658.8355	690057.3219
223	19.364	1374582.6576	689942.2252
222	19.244	1374546.3775	689964.2338
221	18.815	1374500.7663	689943.3740
220	16.710	1374455.0595	689949.6458
219	18.905	1374426.4928	689931.1457
218	17.750	1374510.8198	690006.6396
217	18.833	1374565.9640	689981.2603
216	19.440	1374408.3259	689978.9794
215	19.863	1374365.5506	689971.9267
214	19.736	1374314.1304	689963.4266
213	19.777	1374276.0415	689939.6884
212	17.867	1374368.2978	690020.2094

Current Top of Cap Surface Elevations			
Point #	Elevation	Northing	Eastng
211	18.666	1374320.7706	689881.2858
210	24.832	1374256.6090	689732.8633
209	19.733	1374180.5655	689597.5019
208	19.824	1374122.3448	689470.4521
207	20.161	1374104.5221	689346.9646
206	18.606	1374171.0601	689924.0315
205	19.672	1374104.5221	689774.4216
204	19.618	1374049.7715	689631.5967
203	20.045	1373952.4735	689504.6748
202	18.711	1373904.9386	689385.1751
201	18.360	1374000.6719	689970.3111
200	19.271	1373945.0746	689839.0953
199	18.723	1373911.2112	689713.8620
198	18.163	1373864.6362	689906.3178
197	19.248	1373810.4937	689887.8542
196	18.802	1373804.3507	689869.1259
195	18.155	1373816.0244	689874.3084
194	19.494	1373894.7232	689615.5218
193	18.661	1373733.5867	689438.8933
192	18.185	1373624.0622	689460.0887
191	18.540	1373768.0859	690027.0987
190	19.021	1373665.4697	689939.1300
189	19.025	1373583.1373	689739.0399
188	19.324	1373547.5419	689582.9606
187	17.744	1373511.9463	689485.6832
186	16.974	1373475.9623	690158.4446
185	18.666	1373632.8792	690203.2543
184	19.276	1373658.9152	690057.9842
183	19.276	1373563.9379	689960.8317
182	19.117	1373504.1354	689981.4528
181	18.785	1373414.3323	689954.3259
180	16.149	1373384.8768	689931.5577
179	17.451	1373316.2535	690203.6962
178	18.378	1373473.0062	690137.6704
177	19.364	1373438.7492	690043.0971
176	21.079	1373391.0462	689925.5822
175	19.282	1373340.3991	689836.0590
174	19.426	1373270.4648	689716.3225
173	16.994	1373222.7142	689608.5821
172	14.391	1373406.8924	690380.7594
171	16.739	1373387.9938	690278.5288

Surface Elevations				Current Top of Cap	
Point #	Elevation	Northing	Eastng	Point #	Elevation
171	18.24	1373320.7708	689881.2658	171	18.24
170	19.27	1373256.6900	689972.8833	170	19.27
169	19.06	1373186.5655	6899507.5019	169	19.06
168	19.10	1373122.3448	6899450.5122	168	19.10
167	19.60	1373106.0621	6899343.9646	167	19.60
166	16.69	1373101.5260	6899243.0351	166	16.69
165	15.79	1373049.7111	6899714.2626	165	15.79
164	18.07	1373040.5275	689981.5967	164	18.07
163	19.26	1373025.4730	6899504.6742	163	19.26
162	19.04	1373034.9386	6899835.1751	162	19.04
161	19.56	1373010.6716	6899703.3111	161	19.56
160	19.19	1372995.0478	6899833.0953	160	19.19
159	16.77	1372984.3562	6899996.3738	159	16.77
158	16.83	1372973.4037	6899966.3738	158	16.83
157	18.55	1372962.3500	6899971.1259	157	18.55
156	19.11	1372951.2084	6899574.3094	156	19.11
155	19.07	1372939.7232	6899436.8035	155	19.07
154	19.43	1372928.0622	690004.0887	154	19.43
153	18.27	1372916.7680	690027.9987	153	18.27
152	18.31	1372905.4665	689993.1300	152	18.31
151	23.59	1372893.5833	689793.3909	151	23.59
150	18.65	1372879.5419	689800.9636	150	18.65
148	19.06	1372851.1953	689845.6832	148	19.06
147	19.10	1372839.7160	690015.4446	147	19.10
146	18.99	1372828.632	690025.2453	146	18.99
145	18.10	1372816.9582	690005.9842	145	18.10
144	13.65	1372805.5639	689980.8317	144	13.65
143	14.64	1372794.1054	689891.4258	143	14.64
142	18.05	1372783.4323	689969.3299	142	18.05
141	20.22	1372772.0968	689947.3662	141	20.22
140	19.76	1372760.2838	690002.6962	140	19.76
139	20.04	1372749.0962	690013.6704	139	20.04
138	20.17	1372738.7492	690043.9197	138	20.17
137	18.86	1372728.1391	690025.5822	137	18.86
136	18.62	1372717.3409	690038.5050	136	18.62
135	18.66	1372706.4848	6900176.3225	135	18.66
134	19.72	1372695.7212	690068.8821	134	19.72
133	19.84	1372684.4924	690380.7594	133	19.84
132	19.78	1372673.3936	690278.5288	132	19.78



PROJECT: PoA - Expansion Project
DATE: November 1, 2024
DWG REF: UT-01 Through UT-06
LOCATION: 340 River Rd, Glenmont, NY 12077

Utility As-Built Condition as of 11-01-2024



AUTHOR: TC
SKETCH:
SHEET 1 OF 2



PROJECT: PoA - Expansion Project
DATE: November 01, 2024
DWG REF: GR-01 Through GR-06
LOCATION: 340 River Rd. Gelnmont, NY 12077

Drainage As-Built Condition as of 11-01-2024



AUTHOR: TC

SKETCH:

SHEET 2 OF 2

APPENDIX A

6 NYCRR Part 360 Registration

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Region 4

1130 North Westcott Road, Schenectady, NY 12306-2014

P: (518) 357-2045 | F: (518) 357-2398

www.dec.ny.gov

October 28, 2022

Port of Albany
106 Smith Boulevard
Albany, NY 12202 United States

Re: Beacon Island - Bethlehem

Landfill reclamation - registration Registration # 01L12211

Dear Port of Albany:

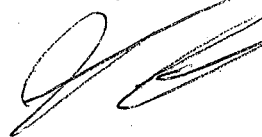
Enclosed is the validated copy of your 6 NYCRR Part 360 registration, which becomes effective on October 28, 2022 and expires on October 27, 2027.

This letter only acknowledges receipt of your registration form and does not, in any way, verify that the information which you provided on the form is true or correct.

You are reminded that 6NYCRR Part 360 contains various requirements that must be followed to warrant your facility's continued status as a registered facility. Enclosed is a list of general requirements for a registered facility described in Section 360.15.

This registration does not exempt or preclude you from complying with any other applicable federal, state, or local laws, rules or regulations. If you have any questions regarding this matter, please contact me at the above telephone number.

Sincerely,



Jonathan Whitcomb
Assistant Engineer



REGISTRATION FOR A SOLID WASTE MANAGEMENT FACILITY
THIS IS NOT A UPA PERMIT

DATE ISSUED: 10/28/2022
DATE EXPIRES: 10/27/2027

1. FACILITY Beacon Island River Road Bethlehem Albany (county)	2. FACILITY OWNER Port of Albany 106 Smith Boulevard Albany NY 12202
3. FACILITY OPERATOR Port of Albany 106 Smith Boulevard Albany NY 12202	4. SITE OWNER Port of Albany 106 Smith Boulevard Albany NY 12202
5. REGISTERED ACTIVITY	
Types Landfill reclamation - registration (01L12211) [363]	Authorized Waste N/A - Landfill reclamation of existing coal ash
Maximum Throughput Limit: 0 cubic yards/day	
Storage: N/A	
6. OPERATIONS SCHEDULE - Normal schedule of operation N/A	7. NAME(S) OF ALL MUNICIPALITIES SERVED - Albany(Co), Bethlehem(T)

N.Y.S.D.E.C.
REGION 4 HEADQUARTERS
1130 N. WESTCOTT ROAD
SCHENECTADY, NY 12306-2014

*This registration does not exempt or preclude you from complying with any other applicable federal, state,
or local laws, rules or regulations.*

APPENDIX B

Inactive Solid Waste Management Facility or Activity Notification Form



Department of
Environmental
Conservation

Division of Materials Management
New York State Department of Environmental Conservation

**INACTIVE SOLID WASTE MANAGEMENT
FACILITY OR ACTIVITY NOTIFICATION FORM**

FACILITY NAME: Beacon Island																																												
FACILITY ADDRESS: River Road																																												
FACILITY CITY: Bethlehem	STATE: NY	ZIP CODE: 12077																																										
TYPE OF INACTIVE FACILITY OR ACTIVITY: (Check all applicable boxes)																																												
<table border="0"><tr><td>☐ Anaerobic Digestion – permit</td><td>☐ Landfill – Long Island</td></tr><tr><td>☐ Anaerobic Digestion – registration</td><td>☐ Landfill – Municipal Solid Waste</td></tr><tr><td>☐ C&D Processing – permit</td><td>☐ Mobile Vehicle Crushers</td></tr><tr><td>☐ C&D Processing – registration</td><td>☐ Municipal Waste Combustor</td></tr><tr><td>☐ Composting – Source Separated Organic Waste – permit</td><td>☐ Recyclable Handling & Recovery</td></tr><tr><td>☐ Composting – Source Separated Organic Waste – registration</td><td>☐ Regulated Medical Waste – Radiopharmacy</td></tr><tr><td>☐ Composting – Yard Waste – permit</td><td>☐ Regulated Medical Waste – Onsite Treatment</td></tr><tr><td>☐ Composting – Yard Waste – registration</td><td>☐ Regulated Medical Waste – Commercial Treatment</td></tr><tr><td>☐ Composting/other Processing – Biosolids/other</td><td>☐ Regulated Medical Waste – Transfer Station</td></tr><tr><td>☐ Household Hazardous Waste</td><td>☐ Storage – Biosolids/Septage – permit</td></tr><tr><td>☐ Land Application – Biosolids/Septage/other – permit</td><td>☐ Storage – Nonrecognizable Food Processing Waste</td></tr><tr><td>☐ Land Application – Nonrecognizable Food Processing Waste – registration</td><td>☐ Storage – Septage – registration</td></tr><tr><td>☐ Land Application – Septage - registration</td><td>☐ Transfer Station – permit</td></tr><tr><td>☐ Landfill – Construction & Demolition Debris</td><td>☐ Transfer Station – registration</td></tr><tr><td>☐ Landfill – Industrial/Commercial</td><td>☐ Vehicle Dismantling Facility</td></tr><tr><td>☐ Landfill – Land Clearing Debris</td><td>☐ Waste Tire Storage – Dealer</td></tr><tr><td></td><td>☐ Waste Tire Storage – New Product Manufacturing</td></tr><tr><td></td><td>☐ Waste Tire Storage – Onsite Energy Recovery</td></tr><tr><td></td><td>☐ Waste Tire Storage – permitted</td></tr><tr><td></td><td>☐ Waste Tire Storage – Retreader</td></tr><tr><td></td><td>☒ Other <u>Landfill Reclamation</u></td></tr></table>			☐ Anaerobic Digestion – permit	☐ Landfill – Long Island	☐ Anaerobic Digestion – registration	☐ Landfill – Municipal Solid Waste	☐ C&D Processing – permit	☐ Mobile Vehicle Crushers	☐ C&D Processing – registration	☐ Municipal Waste Combustor	☐ Composting – Source Separated Organic Waste – permit	☐ Recyclable Handling & Recovery	☐ Composting – Source Separated Organic Waste – registration	☐ Regulated Medical Waste – Radiopharmacy	☐ Composting – Yard Waste – permit	☐ Regulated Medical Waste – Onsite Treatment	☐ Composting – Yard Waste – registration	☐ Regulated Medical Waste – Commercial Treatment	☐ Composting/other Processing – Biosolids/other	☐ Regulated Medical Waste – Transfer Station	☐ Household Hazardous Waste	☐ Storage – Biosolids/Septage – permit	☐ Land Application – Biosolids/Septage/other – permit	☐ Storage – Nonrecognizable Food Processing Waste	☐ Land Application – Nonrecognizable Food Processing Waste – registration	☐ Storage – Septage – registration	☐ Land Application – Septage - registration	☐ Transfer Station – permit	☐ Landfill – Construction & Demolition Debris	☐ Transfer Station – registration	☐ Landfill – Industrial/Commercial	☐ Vehicle Dismantling Facility	☐ Landfill – Land Clearing Debris	☐ Waste Tire Storage – Dealer		☐ Waste Tire Storage – New Product Manufacturing		☐ Waste Tire Storage – Onsite Energy Recovery		☐ Waste Tire Storage – permitted		☐ Waste Tire Storage – Retreader		☒ Other <u>Landfill Reclamation</u>
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☐ Composting – Source Separated Organic Waste – registration	☐ Regulated Medical Waste – Radiopharmacy																																											
☐ Composting – Yard Waste – permit	☐ Regulated Medical Waste – Onsite Treatment																																											
☐ Composting – Yard Waste – registration	☐ Regulated Medical Waste – Commercial Treatment																																											
☐ Composting/other Processing – Biosolids/other	☐ Regulated Medical Waste – Transfer Station																																											
☐ Household Hazardous Waste	☐ Storage – Biosolids/Septage – permit																																											
☐ Land Application – Biosolids/Septage/other – permit	☐ Storage – Nonrecognizable Food Processing Waste																																											
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☐ Landfill – Construction & Demolition Debris	☐ Transfer Station – registration																																											
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	☐ Waste Tire Storage – permitted																																											
	☐ Waste Tire Storage – Retreader																																											
	☒ Other <u>Landfill Reclamation</u>																																											
DEC ACTIVITY CODE(S) OR REGISTRATION NUMBER(S): 01L12211	FACILITY COUNTY: Albany	NYSDEC REGION #: 4																																										

This document certifies that the type of facility or activity identified above is no longer operational. The owner/operator relinquishes their NYSDEC permit/registration and retains no other permit, registrations, or licenses related to the identified activity. It is recognized that in order to resume operation, a new permit application or registration form must be submitted to the Department for processing and approval. This notification does not excuse the facility from any closure, post-closure, or other requirements identified in 6 NYCRR Part 360.

I hereby affirm under penalty of perjury that information provided on this form was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority to sign this form pursuant to 6 NYCRR Part 360. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Richard J. Hendrick

Name (Print or Type)

106 Smith Blvd.

Address

Richard J. Hendrick
Signature

Chief Executive Officer

Title (Print or Type)

Albany

City

October 18, 2024

Date

(518) 463-8763

Phone Number

NY 12202

State and Zip Code

APPENDIX C

Site Inspection Form

Site Cap/Site Cover Inspection

Facility: Beacon Island
River Road, Bethlehem, Albany County, New York

Date of Inspection:		Type of	☐ Annual
Weather Conditions:		Inspection:	☐ Severe Weather Event ☐ Significant Site Operations

Site Cap/Site Cover Conditions

Evidence of significant differential settlement (i.e., depressions, water ponding, sloughing)?	
Evidence of erosion?	
Vegetation established and maintained to minimize erosion?	
Vegetative layers in good condition?	
Evidence of woody vegetation?	
Evidence of damage due to burrowing animals?	
Evidence of damage or disturbance by people or equipment?	
Evidence of excavation and material replacement?	
Evidence of spills?	

Stormwater/Leachate Components

Stormwater components functional?	
Drainage features free of obstruction?	
Evidence of sediment buildup in drainage components?	
Evidence of leachate breakouts or seeps?	

