



September 24, 2021

Ms. Kristine Carlson
Division of Environmental Permits, Region 8
New York State Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, NY 14414-9516

**RE: Response to NYSDEC DEIS and Mined Land Reclamation Application Comments
DEC ID No. 8-4424-00006/00001 / MLR # 80244
It's Greener Now, Inc. - Padua Gravel Pit Expansion
Town of Dix, Schuyler County, New York**

Dear Ms. Carlson:

JMT of New York, Inc. (JMT), on behalf of It's Greener Now, Inc. (IGN), respectfully submits this response to address New York State Department of Environmental Conservation (NYSDEC) Notice of Incomplete Application dated May 22, 2019, and DEIS and Mined Land Reclamation Application Comments dated July 19, 2019.

Attached to this letter are the following:

- USFWS Updated List of Threatened and Endangered Species (Attachment A);
- Updated Noise Projection Analysis (Attachment B);
- An updated Visual Impact Assessment, including: an inventory of aesthetic resources, accompanying figure showing aesthetic resource locations, and an updated photographic log (Attachment C);
- Geologic Logs (Attachment D);
- Updated Table 1: Groundwater Well Data Summary and Groundwater Data (Attachment E);
- Updated Mining Maps and Mining Permit Application form (Attachment F)
- Full Environmental Assessment Form (Attachment G).

Complete copies of the updated Mined Land Use Plan (MLUP) and Draft Environmental Impact Statement (DEIS) will be provided upon request and/or upon approval of these response items by NYSDEC.

For purposes of clarity, NYSDEC comments are included below in *italics* followed by IGN's responses.

NYSDEC draft Environmental Impact Statement (DEIS) Comments – July 19, 2019

- 1) *Page 2: 1.2.1 - Paragraph 3 states that the "hours of operation are proposed to remain the same as present: from 5:00am to 7:00pm, Monday through Friday; and from 8:00am to 5:00pm Saturday and Sunday, for truck loading only." The existing DEC permit defines the hours of operation as 6:00am to 8:00pm, Monday through Saturday with no Sunday operation. If hours of operation will remain the same, please confirm and update the DEIS. If new hours of operation are proposed, a modification to currently permitted operations will be required.*

Response: IGN intends to adhere to the hours of operations listed in the existing NYSDEC MLR Permit and is not requesting a change at this time. The hours of operations provided in the submitted DEIS were erroneously listed, and the DEIS will be corrected as follows:

“Hours of operation are proposed to remain the same as present: from 6:00AM to 8:00PM, Monday through Saturday.”

- 2) *Page 5: 1.2.1.3 - In reference to the Northern Long-eared Bat (*Myotis septentrionalis*) (NLEB), a federally threatened species, the second paragraph states that no critical habitat with potential to be affected by the project has been identified per US Fish and Wildlife. Although there may be no evidence of the species at the proposed expansion site, it is still a possibility. Please provide further information regarding the presence or absence of the NLEB as well as a description of how operations can be conducted in a way that limits possible negative impacts to the species.*

Response: According to the US Fish and Wildlife Service (USFWS), the preferred habitat for Northern Long-eared Bats (NLEB) during the summer is underneath bark or in cavities of trees (both live and dead). They also describe the possibility for males and non-reproductive females to roost in cooler places, such as caves. Winter habitat consists of caves or mines. Threats to the species include White-nose Syndrome, loss or degradation of habitat, impacts to hibernacula, and windfarm operation. It is unlikely the species would find habitat on-site, as the majority of the expansion area consists of agricultural and unforested land and the current affected areas have primarily been cleared and disturbed by mining-related activities. Additionally, there have been no observances of the species on-site or in the vicinity.

As it is unlikely the expansion area currently provides suitable roosting habitat for the Northern Long-eared Bat, it is not anticipated that the project would result in any ecological impacts or effects on the species.

Furthermore, an updated USFWS list of endangered and threatened species (dated 8/16/2021) no longer identifies the NLEB as having the potential to occur in proximity to or be affected by the project. Refer to Attachment A for a copy of the USFWS Updated List of Endangered and Threatened Species.

Notwithstanding, mitigation measures will still be implemented, which include seasonal restrictions to any tree removal with a diameter greater than 3-inches DBH, and an in-place procedure to immediately “stop work” if the bat species is observed or encountered. For greater clarity, section 4.4 of the DEIS will be updated to reflect this information.

3) Page 6: 1.2.1.4

- a. *The last paragraph concludes that no adverse impacts to the historical Watkins Glen Grand Prix Road Course (Course) are anticipated. According to Section 4.5.1, the potential impacts of the expansion on the Course are still being reviewed by the NYS Office of Parks, Recreation, and Historic Preservation (Office of Parks) and a final determination has not been made. Please add justification for the above-mentioned conclusion and add any recent correspondence with the Office of Parks to Appendix K.*

Response: The Office of Parks issued a letter on November 20, 2017, requesting additional information pertaining to the potential visual and aesthetic impacts to the 0.5-mile portion of the Road Course that borders the IGN Property along NYS Route 409. JMT prepared a response letter, dated April 23, 2019 to satisfy their request. Subsequently, the Office of Parks issued a letter on May 23, 2019 determining that the response resolved their concerns regarding the project's potential impact on the Road Course. These correspondences are included in Appendix K of the DEIS and are also included with this letter as Appendix B of the Visual Impact Assessment (Attachment C). Additionally, the applicable sections of the DEIS (including the Visual Impact Analysis) have been updated to include the Office of Parks determination regarding the Road Course.

It should also be noted that the Office of Parks issued an additional letter on July 2, 2019 regarding items separate from that of the Road Course, including items outside of the approved DEIS scoping outline for the project. IGN addressed this letter in a response, dated September 1, 2021. For your reference, the Office of Parks comment is provided below, followed by IGN's response. A copy of the September 1, 2021 response letter to the Office of Parks in its entirety along with a copy of the original Office of Parks correspondence are saved as Appendix B of the attached Visual Impact Assessment (Attachment C). Please refer to Appendix B of Attachment C for further details. Any additional correspondence(s) received from the Office of Parks will be made available to the Department upon its receipt.

Office of Parks Comment of July 2, 2019: In reviewing this project, we noted that the newly proposed mine expansion will bring the commercial operations up to the boundary of Watkins Glen State Park. The park was designated eligible for inclusion in the New York State and National Registers of Historic Places in 2016. The park has been used by recreation seekers since the mid-19th century and remains today one of the state's most scenic destinations.

Section 14.09 (NYSPRHPL) states: "Generally, adverse impacts occur under conditions which include but are not limited to (a) destruction or alteration of all or part of a property; (b) isolation or alteration of its surrounding environment; (c) introduction of visual, audible, or atmospheric elements that are out of character with the property or alter its setting; or (d) neglect of property resulting in its deterioration or destruction."

Our office is particularly concerned with section (c) above and the specific impacts to the park that might arise from the mine expansion. We found no assessment of anticipated increases in noise, dust, vibration, truck traffic or other direct and indirect impacts that the expansion of this extractive industrial would have on the historic park.

It is our belief that an expansion of the mining operation up to the boundary of the state land has significant potential to adversely impact the historic character of the park. As such, we are requesting that an assessment of these factors be provided to this office as part of a more comprehensive alternatives analysis. This study should assess efforts that would avoid or minimize such impacts.

IGN Response: As identified by your office, the existing mine area currently abuts the Watkins Glen State Park property and will continue to do so as the mine expands. However, as operations expand, mining excavation operations will be moving further away from the Watkins Glen gorge. While the overall acreage of the mine will increase over the life of the project, the total disturbed area (active mining excavation area, previously mined un-reclaimed areas, and processing areas) will be minimized by employing concurrent reclamation practices and by limiting stripping activities in advance of mining. As operations progress, there will not be a significant increase in the mine's production rate. Furthermore, the proposed mining modification will not result in a significant change from previously permitted historic operations.

Please note, a draft Environmental Impact Statement (DEIS) was developed by JMT in May 2019 to satisfy the requirements of the State Environmental Quality Review Act (SEQR) for the proposed mine expansion. The DEIS was prepared in accordance with 6 NYCRR NYCRR 617.9(b) to address those potential impacts identified in the draft Environmental Impact Statement (DEIS) Final Scoping Outline, dated August 18, 2008. NYSDEC has been designated as the lead agency. The DEIS prepared in 2019 evaluated the likelihood and significance of the potential environmental impacts and outlines mitigation measures, where appropriate, to resources including: geological resources, ecological resources, water resources, visual resources, and cultural (historic and archaeological) resources.

NYSDEC reviewed the submitted DEIS, and has issued two response letters, dated May 22, 2019 and July 19, 2019, respectively requesting information. To address the comments contained within the letters, JMT revised the DEIS documents, including the noise projection analysis and visual impact assessment. Dust, vibration, and truck traffic impacts are outside of the scope of the DEIS, per the 2008 Final Scoping Outline referenced above. However, the Mined Land Use Plan (MLUP), which is included as Appendix F in the DEIS, includes a section for potential impacts from dust as well as traffic. The MLUP is included as part of the DEIS as it provides a summary of the mining and reclamation plans for the mine site. In summary, the project does not present a potential to adversely impact dust levels or traffic volumes as the project is a continuation of current activities at the site.

Consistent with current excavation activity at the Padua Ridge Gravel Mine, standard industry equipment will be used to strip, excavate, and haul materials from bank faces. Bulldozers, scrapers, front-end wheel loaders, haul trucks and other standard industry equipment will be used as needed to accomplish each task. There is no proposed blasting.

-
- 4) *Page 10: 1.2.5 - The Department will be reaching out to the Seneca Nation as a potentially interested agency. Please include them in this section.*

Response: Per request, the Seneca

1.2.5 Interested Agencies

While no approvals are required from the following agencies, the proposed action may include submissions for review from:

- Mine Safety Health Administration (MSHA) for the regulation of mine safety (30 USC 811, 957, 961); and
- The Seneca Nation of Indians.

- 5) *Page 13: 3.1.2 - The second sentence of paragraph 1 concludes that there are no known occurrences of rare, threatened, or endangered species at the proposed expansion site. Please provide an explanation of how this determination was made.*

Response: The determination was based on records obtained from NY Natural Heritage Program (NYNHP) and USFWS during the time the DEIS was initially prepared in 2019.

NYNHP has no records of known occurrences of any listed threatened or endangered species within the proposed expansion area. As further detailed in the DEIS, NYNHP records indicate the closest known occurrence is of a species of special concern (not a listed threatened or endangered species), the Gray Petaltail, which was identified within the boundaries of Watkins Glen State Park.

USFWS initially identified Leedy's Roseroot, a federally-listed threatened species as having the potential to be impacted as well as the NLEB. As stated in the response to Item 2 above, an updated list of threatened and endangered species from USFWS does not include the NLEB.

The proposed expanded mining area is, furthermore, currently being utilized as an agricultural livestock pasture and as such, the ecological conditions do not support the identified species of Leedy's Roseroot, NLEB, or the Gray Petaltail. (Section 4.4 of the DEIS consists of a complete description of these species and their preferred habitats.) A copy of the USFWS Updated List of Endangered and Threatened Species is included as Attachment A. Section 4.4 of the DEIS has also been updated for greater clarification.

- 6) *Page 14: 3.1.3 - Please revisit the Department's Program Policy-Assessing and Mitigating Visual Impacts (DEP-00-2) and use it as a guide to expand your narrative and further explain how your visual analysis addresses the Department's policy.*

Response: Per request, the visual analysis has been revised within the DEIS, per the Department's Program Policy-Assessing and Mitigating Visual Impacts (DEP-00-2). Included in the updated Visual Impact Assessment are an inventory list of aesthetic resources with an accompanying figure showing each resource location, and an updated photographic log. Consistent with the initial visual assessment, the

revised analysis concludes that views of the mine site from sensitive receptors will not significantly differ from existing conditions. Please refer to Attachment C for the updated Visual Impact Assessment, which includes the revised narrative to be incorporated in section 4.5 of the DEIS.

7) *Page 14: 3.1.4 - Please revisit the Department's Program Policy -Assessing and Mitigating Noise Impacts (DEP-00-1) and use it as a guide to expand your narrative and further explain how your noise analysis addresses the Department's policy.*

Response: IGN has expanded its Noise Projection Analysis according to the Department's *Assessing and Mitigating Noise Impacts (DEP-00-1)*. The expanded Noise Projection Analysis is included with this letter as Attachment B. Section 4.6 of the DEIS has also been updated to be consistent with the revised report.

8) *Page 18: 4.1.1.3 - The last paragraph states that the proposed expansion site is hydrologically isolated from Watkins Glen State Park/Glen Creek Gorge. Please provide further explanation supporting your conclusion.*

Response: IGN clarifies that the overburden groundwater regime (the uppermost groundwater regime closest to the proposed mining floor) is hydrologically isolated from Watkins Glen Gorge. As stated in the DEIS, two groundwater regimes exist on-site, an upper overburden groundwater regime, and an underlying bedrock groundwater regime. Both the overburden groundwater gradient and the bedrock groundwater gradient on-site follow topography and trend northeast, away from the Watkins Glen Gorge elevated bedrock ridge (Sheet 5). Geologic Logs (Attachment D) indicate the bedrock groundwater regime is separated from the overburden regime by overlying low-permeability glacial till and/or clay that ranges in thickness from 70 ft to 2 ft, as well as by the relatively low-permeability of the bedrock itself. The separation of the two groundwater regimes on-site is illustrated on Sheets 5 through 7 within the DEIS. Additionally, expression of the bedrock groundwater potentiometric surface at elevations above the bedrock interface, as shown in monitoring well data and on Sheets 6 and 7 indicate confined, artesian conditions. As discussed in the DEIS, IGN plans to mine 5 ft above the overburden groundwater unit, and will not alter the overall surface drainage pattern of the site, thereby preventing hydrologic impacts within the overburden groundwater regime. This excavation plan, in combination with the hydrologic isolation between the overburden and bedrock groundwater regimes, serves as a redundant factor to ensure the prevention of any impacts on the hydrology of the Watkins Glen Gorge.

9) *Table 1: Groundwater Well Data Summary - Is the groundwater elevation data contained in Table 1 the seasonal high or average? Please clarify and update the table with season high and low for each monitoring point based on all available data.*

Response: *Table 1: Groundwater Well Data Summary* initially included average groundwater elevations collected from 2017 monitoring well transducer data. Per the Department's request, the table has been updated to include seasonal high and low groundwater elevations for each monitoring point. The data indicates overburden and bedrock seasonal high groundwater elevations only vary a few feet from these values. The updated table is included with this letter as Attachment E.

10) *Sheet 4: Bedrock Elevation - It appears that bedrock elevation interpretations on the Bedrock Elevation Map, Plate 4 of 9, were made based on data from wells B1, B3, EW1, and EW2. Please provide data/information on these wells.*

Response: A complete catalog of geologic logs, which includes monitoring wells B1, B3, EW1, and EW2 are included in Attachment D. Please refer to Attachment D for further details.

11) *Appendix B: Geologic Logs -*

- a. *MW 2-17 does not indicate that bedrock was encountered at its final depth of 134' BGS, yet it appears that it was used to interpret the bedrock elevation on the Bedrock Elevation Map, Plate 4 of 9. Please clarify.*
- b. *The log for MW 3-17 shows a Depth/Datum of 124' BGS, yet it appears that the boring was terminated at 32'. Please clarify.*
- c. *Any historic or continued (2018-2019) ground water monitoring data should be provided. Was the seasonal high groundwater elevation determined solely by the 2017 data when establishing the final reclamation contours and separation with the water table?*

Response:

- a) Bedrock was not encountered at 134' BGS. Instead, bedrock elevation at MW 2-17 was stratigraphically interpreted based on site topography and bedrock depths from surrounding soil boring logs completed on-site.
- b) The depth/datum is corrected to 32' BGS in the boring log for monitoring well MW 3-17.
- c) Seasonal high groundwater elevations were determined based on the 2017 monitoring well data set as it was the most complete record of local groundwater elevation.

12) *Appendix D: Noise Projection Analysis - After reviewing the submitted noise study and the Watkins Glen State Park trail maps, the Department has determined that additional noise information is needed to examine the potential noise impacts from the proposed operations as it nears the southeast corner, where the trail/bridge are located less than 100 feet from the property boundary.*

Response: Per request, the Noise Projection Analysis has been expanded to include an additional scenario that predicts noise projections as mining operations progress to the west (it should be noted that while the property corner is within 100 feet of the referenced trail, the proposed Life of Mine boundary remains approximately 250 feet from any park trail and at least 500 feet from the referenced bridge). The results of the additional scenario is a maximum potential sound increase of no more than 0.5 dB(A), which is considered "unnoticeable to tolerable" by the NYSDEC, and therefore mitigation is not necessary. It is also worth noting that noise impacts were not identified within the adopted Final Scoping Outline as potential noise impact had been previously addressed, and the noise analysis provided in the DEIS was

prepared to evaluate the applicability of the prior analysis to the reduced project footprint. The updated noise analysis confirms that the prior analysis is applicable to the reduced project footprint. The updated Noise Projection Analysis is included as Attachment B.

13) *Appendix E: Groundwater Monitoring Well Data - Please provide groundwater elevations for the groundwater monitoring data contained in Appendix E and provide hydrographs for each monitoring point. The data is somewhat confusing. Column E appears to show the height of water in feet above the transducer, but when looking at the data for the shallower wells, the data range appears to exceed the total depth of the well. Further explanation is required.*

Response: The Groundwater Monitoring Well Data that IGN provided presents both raw and barometrically-corrected data. Data that is referenced in the above comment is described in detail below:

- Column E (Uncomp.HT.WTR) represents the uncompensated water-level height above the pressure transducer. Because the transducer uses pressure to determine water level height, the water level needs to be corrected for barometric pressure. In some instances, this uncorrected this water level can exceed the total depth of the well
- The compensated water-level height (Comp.HT.WTR), is the water level in feet above the transducer that is corrected for barometric pressure and shown in Column F.
- The corrected water depth (Transducer depth – Compensated water height above the transducer) is calculated as Column G.

After the data has been corrected, the water column height (Column F - Comp.HT.WTR) does not exceed the well depth for any of the groundwater monitoring wells. Please refer to the updated table included as Attachment E.

14) *Appendix G: Stormwater Pollution Prevention Plan - Page 4 of the SWPPP, 3.0 first paragraph, references the site as an asphalt plant. This should be corrected.*

Response: Page 4 of the SWPPP has been updated to reference the site as a “sand and gravel mining operation”.

15) *Appendix I: Visual Assessment Photographic Log –*

- a. Per the Department's Program Policy - Assessing and Mitigating Visual Impacts (DEP-00-2), the visual assessment must include an inventory of aesthetic resources. Please add this inventory to Appendix I and revisit the procedural section of DEP-00-2 as a guide in revising your visual assessment.*
- b. It is difficult to assess visual impact based on the size of the photographs included in the log. Please revise log to a maximum of two photographs per page for clarity. Additionally, add a reference point to each photograph which shows the approximate location of the mine on each image.*

Response:

- a. An inventory of aesthetic resources has been prepared in accordance with the Department's Program Policy - Assessing and Mitigating Visual Impacts (DEP-00-2). A figure showing each location of the identified aesthetic resources has also been developed and is also included along with the inventory list in Attachment C.
- b. Per Department request, the photographic log (Appendix A of Attachment C) has been revised. Each page now consists of a maximum of two photographs to increase image clarity. Additionally, each photograph now indicates where the approximate location of the site is. Please refer to the updated documents included in Attachment C for details.

16) General Housekeeping

- a. *The font and size of the text varies in places within the DEIS. Please revise for consistency.*
- b. *The top of page 35 contains a duplicate paragraph. Please remove.*
- c. *The numbering system in the Table of Contents numbers the main sections as 1.0, 2.0, etc. but this is inconsistent within the DEIS itself. Please revise for consistency.*

Response: The DEIS has been updated per request. These formatting changes will be viewable upon submission of the final DEIS.

Additional Items Required for Application Completeness

State Environmental Quality Review

- 1) *Please submit a Full Environmental Assessment Form (EAF) with updated information which reflects the current modification proposal and original signatures. The EAF should also be added to the DEIS as an appendix.*

Response: A Full Environmental Assessment Form (EAF) has been developed and is included as Attachment G.

Mined Land Use Plan

- 1) *At the time of completeness, a separate stand-alone copy of the MLUP should be submitted for inclusion in the Mining File.*

Response: A complete copy of the MLUP will be furnished upon acceptance of the information contained herewith.

-
- 2) *Please provide the location and depth of burial of brush, shrubs, trees, etc. Will they be buried below the mine floor, or placed at the toe of the mine face prior to grading?*

Response: As stated in Section 2.3.1.5 of the MLUP: “*Consistent with typical industry practices, stripped materials such as brush, shrubs and trees and will either be chipped and mulched for reclamation purposes or sale, buried on-site, or removed to an approved landfill*”, IGN has yet to determine the end purpose for stripped materials. However, if the material is buried on-site for reclamation purposes, it will be buried 5 ft above the seasonal high groundwater table.

- 3) *The Mining Plan Map in the MLUP and DEIS show the western berms are located outside of the Life of Mine. These berms should be located within the Life of Mine boundary, or the boundary adjusted to encompass the berms. If the Life of Mine is expanded to include these berms, appropriate acreage adjustments must be made on the mining permit application form, EAF, maps, and narratives of the MLUP and DEIS.*

Response: The majority of the western berm referenced in this comment is currently in-place along NYS Route 409 (Sheet 1 of the MLUP), having been previously constructed in support of ongoing agricultural activities, and pre-dates IGN’s proposed LOM expansion. Therefore, IGN believes that this section of berm should not be included in the expanded LOM. However, the newly proposed southernmost leg of the berm will be located within the proposed LOM, per the previously submitted Mine Plan Map.

- 4) *How will erosion, sedimentation, and runoff be controlled along the eastern mine boundary north of the stormwater treatment area during and following final reclamation? The reclamation plan map and Profile A-A' show a continuous slope directing runoff outside of the affected area boundary downslope and towards the Watkins Glen water tower. Please describe how runoff and sedimentation will be controlled, and show any features (ditching, silt fence, catch basin, etc.) on the Reclamation Plan Map.*

Response: As indicated in Plate 1 of the SWPPP (April 2019), a vegetated berm within the eastern LOM will be constructed for screening purposes and to ensure that stormwater will be controlled and directed towards the proposed stormwater treatment area during operations. At final reclamation, the perimeter berm will be deconstructed, and the material used in reclamation, and the site will be stabilized with vegetation. Drainage patterns to the northwest of the stormwater treatment system will be restored such that areas to the northwest of the stormwater treatment area will once again continue to drain off-site to the northeast.

NYSDEC Draft Environmental Impact Statement (DEIS) Comments – May 22, 2019

1) *Original signatures on all application forms and documents will be required for final application materials.*

Response: Updated, signed Mining Permit Application and Environmental Assessment Forms are included in Attachments G and H, respectively.

2) *The Mining Permit Application Form, item 15.g, indicates that the entire 60.95-acre expansion area will be included in the permit term area. Previous application materials and the Final DEIS Scoping Outline indicate that the active mining excavation area would not exceed 15 acres at any one time, and that concurrent reclamation would continue throughout the life of the project. The 15-acre excavation area would not include the additional affected acreage required for berming, access roads, scale house, stormwater management ponds, etc. It is understood that the permit term/affected acreage area will be greater than the 15-acre active excavation area. Please revise the acreage summary on the application form to identify the total amount of affected acreage and confirm that the active excavation area will be limited to 15 acres at any given time. The DEIS/MLUP narratives and Mining Plan Maps will need to be updated to reflect what is being proposed.*

Response: As stated in the Final Scoping Outline, active mining excavation and processing areas will not exceed 15 acres at any one time. To ensure that mining activities adhere to the Final Scoping Outline, concurrent reclamation will be conducted during excavation activities. The Mining Application Form and Mine Plan Map have been revised to reflect this, and are included in Attachment F.

3) *The Mining Permit Application Form, item 10.a. should reflect a 10/24/2022 permit expiration date.*

Response: Item 10.a. of the Mining Permit Application Form has been updated to include 10/24/2022 as the permit expiration date. The updated form is included in Attachment F.

4) *Please revise the DEIS/MLUP Mining Plan Maps (plate 1 of 9, and Plate 1 of 3 respectively) to include the previously approved 14.33-acre LOM, and the proposed permit term affected area, including the anticipated 15-acre excavation area.*

Response: The DEIS and MLUP Mining Plan Maps have been updated to include the previously approved 14.33-acre LOM per request. Both drawings (Plate 1 of 9 and Plate 1 of 3) are included in Attachment F.

5) *The Final Grade Profiles (Plate 3 of 9) requires revision. Profile C-C' identifies C as Southeast, and C' as Northwest. These should be reversed, identifying C as Northwest, and C' as Southeast.*

Response: The requested revision has been made to the Final Grade Profiles and are located in Attachment F.

6) *The location of MW-2-17 was left off the Bedrock Elevation Map (Plate 4 of 9). Please add the location to the map.*

Response: MW-2-17 has been added to the Bedrock Elevation Map (Plate 4 of 9) and is included in Attachment F.

7) *Please provide the depth of topsoil and overburden stripping, and reclamation replacement depths in the MLUP narrative.*

Response: The topsoil and overburden depth ranges from 0 ft to 20 ft within the expanded LOM based on the analysis of geologic drilling logs and soil maps within the expansion area. The average expected topsoil soil depth stripped ranges from 5 ft to 6 ft. In accordance with the MLUP, overburden and soils will be stripped and stockpiled on-site for use in reclamation activities and spread across the site during reclamation. Topsoil will be placed at a minimum depth of not less than 6 inches prior to seeding.

8) *The DEIS indicates that spring locations are not included within mine excavation areas and will not be impacted by the expansion. Glen Springs 1 and 2 are located within the proposed LOM, and it is difficult to determine what level of excavation, if any, that will occur in the area of the springs. The reclaimed contours on the Reclamation Plan Map (Plate 2 of 9) appears to show excavation upslope of the springs. Please provide further clarification.*

Response: While Glen Springs 1 & 2 are located within the proposed LOM, they will not be affected by excavation within the LOM. Excavation will take place upgradient of the two springs, however all excavation will take place above the groundwater table to prevent potential impacts to the springs.

We trust that the information contained herein adequately addresses the items included in your letters, dated May 22, 2019, and July 19, 2019. If you should have any questions or require further information, please do not hesitate to contact me at (518) 218-5639 or edavidson@jmt.com.

Sincerely,
JMT of New York, Inc.

Edward G. Davidson, PG
Senior Associate

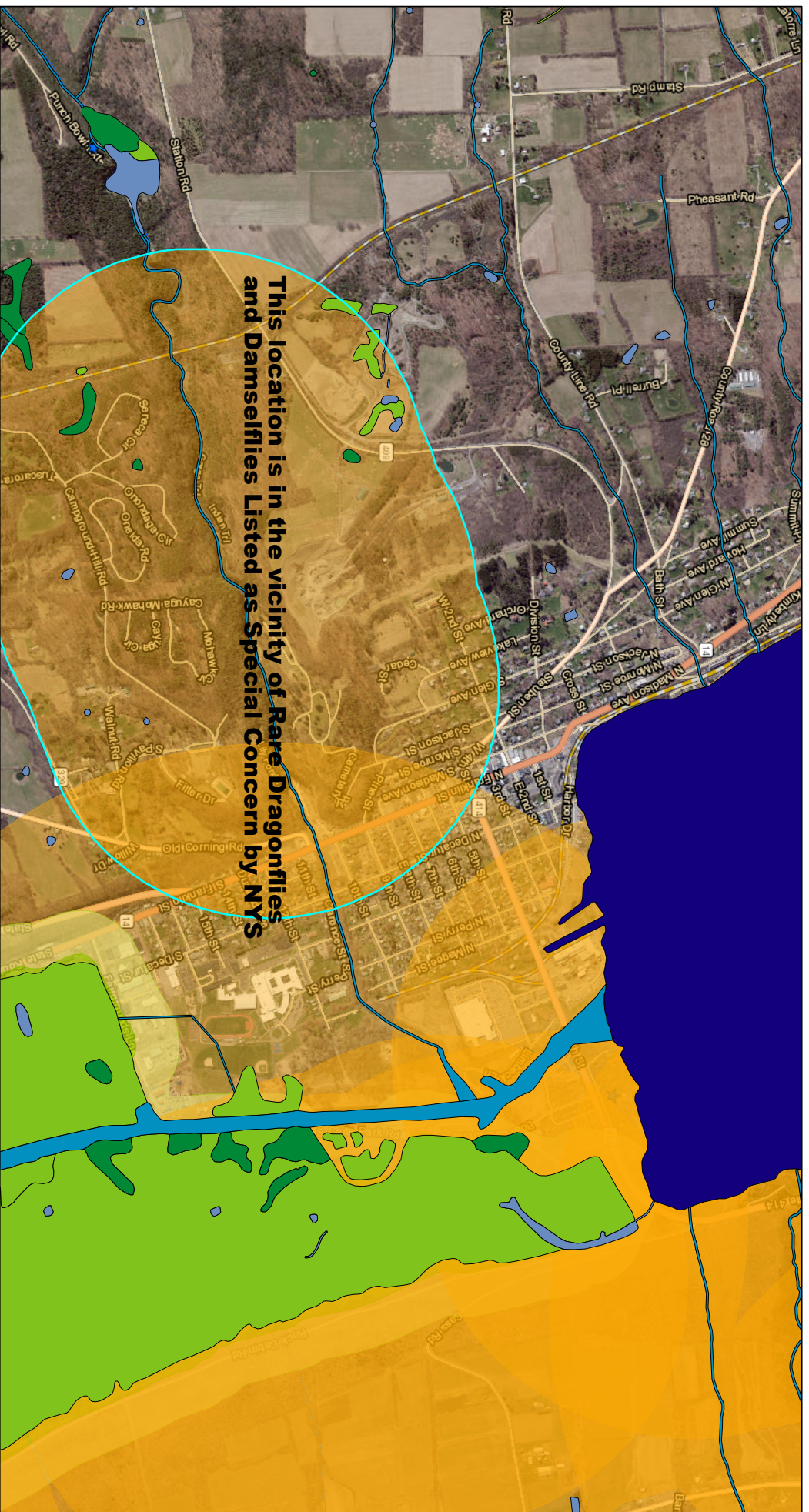
Attachments

cc w/ att.: M. Wocjik, IGN
K. Roe, Barclay Damon

ATTACHMENT A

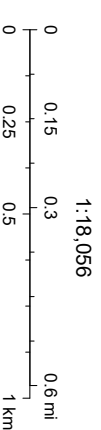
USFWS UPDATED LIST

Environmental Resource Mapper



August 16, 2021

Per NYSDEC EAF Mapper (accessed 8.16.21), there are no NYS or Federally-listed T&E spp. within the project vicinity. Per NYSDEC EAF Mapper the referenced species is: Gray petaltail (Tachopteryx thorey). It is a species listed as special concern.



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, NYS ITS GIS Program Office, Westchester County GIS, Esri, HERE, Garmin, (c) OpenStreetMap contributors



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New York Ecological Services Field Office
3817 Luker Road
Cortland, NY 13045-9385
Phone: (607) 753-9334 Fax: (607) 753-9699
<http://www.fws.gov/northeast/nyfo/es/section7.htm>

In Reply Refer To:

August 16, 2021

Consultation Code: 05E1NY00-2017-SLI-3517

Event Code: 05E1NY00-2021-E-11776

Project Name: Padua Ridge Gravel Pit

Subject: Updated list of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 *et seq.*). This list can also be used to determine whether listed species may be present for projects without federal agency involvement. New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list.

Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC site at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list. If listed, proposed, or candidate species were identified as potentially occurring in the project area, coordination with our office is encouraged. Information on the steps involved with assessing potential impacts from projects can be found at: <http://www.fws.gov/northeast/nyfo/es/section7.htm>

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

energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

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

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

Attachment(s):

- Official Species List
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9385

(607) 753-9334

Project Summary

Consultation Code: 05E1NY00-2017-SLI-3517

Event Code: 05E1NY00-2021-E-11776

Project Name: Padua Ridge Gravel Pit

Project Type: MINING

Project Description: Padua Ridge Gravel Pit, which is comprised of approximately 281± acres, is located east of Route 409 in the Town of Dix, Schuyler County, New York. The site is bound by Route 409 to the west, and Watkins Glen State Park and the Glen River to the southeast of the site. The mine proposes to expand current surface sand and gravel mining operations, from 14.33 to 106.27 acres. The mine is intended to continue to operate as a traditional surface extraction of unconsolidated sand and gravel, and will not involve removal of consolidated bedrock. A DEIS is being prepared for the proposed expansion project. The Final Scoping Document prepared by the NYSDEC outlines the necessity for inclusion of ecological resources within Watkins Glen State Park and Watkins Glen Gorge and whether these ecological resources will be impacted by the proposed mine expansion. The focus of the ecological resources is within the public lands, as shown by the location map.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@42.367168479879886,-76.90120937493359,14z>



Counties: Schuyler County, New York

Endangered Species Act Species

There is a total of 1 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Flowering Plants

NAME	STATUS
Leedy's Roseroot <i>Rhodiola integrifolia ssp. leedyi</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/285	Threatened

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

ATTACHMENT B

UPDATED NOISE ANALYSIS



NOISE PROJECTION ANALYSIS

**IT'S GREENER NOW, INC.
PADUA RIDGE GRAVEL MINE
DIX, NEW YORK**

**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MLF # 80244**

Prepared for:
It's Greener Now, Inc.
3362 NYS Route 409
Watkins Glen, New York 14891

Prepared by:
JMT of New York, Inc.
19 British American Boulevard
Latham, New York 12110

Submitted: September 2021

Project No: 16-S0157N-001





TABLE OF CONTENTS

1.0	INTRODUCTION.....	1
2.0	SITE LOCATION.....	1
3.0	BACKGROUND	2
4.0	NOISE LEVELS	3
4.1	BACKGROUND NOISE LEVELS	4
4.2	FUTURE CONDITIONS.....	5
4.3	POTENTIAL IMPACTS & MITIGATION	6
5.0	CONCLUSION	7

TABLES

TABLE 1	AMBIENT NOISE MEASUREMENTS
TABLE 2	PROJECTED NOISE LEVELS

FIGURES

FIGURE 1	AMBIENT MONITORING LOCATIONS
FIGURE 2	EXISTING OPERATIONS
FIGURE 3	PROPOSED OPERATIONS
FIGURE 4	PROPOSED OPERATIONS – BERM MITIGATION - SCENARIO 1
FIGURE 5	PROPOSED OPERATIONS – BERM MITIGATION - SCENARIO 2

APPENDICES

APPENDIX A	AMBIENT NOISE MONITORING DATA
APPENDIX B	NOISE MODEL INPUT DATA



1.0 INTRODUCTION

It's Greener Now, LLC. (IGN) is proposing an expansion to IGN's sand and gravel mining operation in the Town of Dix, Schuyler County, New York known as the Padua Gravel Mine (Site). IGN owns approximately 281 acres at the Site. Of the 281 acres, 14.33 acres are currently permitted by the New York State Department of Environmental Conservation (NYSDEC) for mining and actively mined. This analysis was completed in support of a permit modification to include an additional 60.95 +/- acres, for a total of approximately 75.28 acres proposed for mining activity. This report supports a Draft Environmental Impact Statement for that action. Operations at the Site will continue to include all aspects of sand and gravel aggregate mining and processing.

This permit modification is a revision to an earlier application, and includes a reduced footprint and depth of excavation. A previous noise impact assessment (Noise Assessment Report prepared by H2H Associates, LLC, April 2005, Revised February 28, 2007) for the prior application determined no potential impact, and the NYSDEC Final Scoping Outline for the DEIS which this report supports does not include noise impact assessment. The revised application and associated reduction in depth of mining may have the potential to reduce the associated topographic barrier attenuation at the Site margins. This report was prepared to assess changes in potential impacts resulting from that revision.

This report summarizes the basic principles of noise propagation as associated with the project. The report also makes projections of noise levels at receptors attributable to specific aspects of the project.

2.0 SITE LOCATION

The Site is located along New York State Route 409 in the Town of Dix, immediately west of the Village of Watkins Glen in Schuyler County, New York. Access to the Site is via an access road connected directly to NYS 409. IGN controls approximately 281 acres at this location with approximately 75.28 acres to ultimately be affected by mining operations. The mine site is bound by NYS Route 409 on the west, the lands of Watkins Glen State Park on the south west, and the lands of St. Mary's Cemetery to the south east.



3.0 BACKGROUND

Audible sound results when a sound source vibrates in the air. Specifically, sound is produced as a wave motion in air, or other media, by a mechanical disturbance. The vibration of an object produces longitudinal sound waves in the air, or other media, which radiate outward from the vibrating body much in the same manner that ripples spread out on the surface of a pond when a stone is thrown into it. This longitudinal wave propagation creates a fluctuation in the atmospheric pressure within the propagating media. These fluctuations in pressure are the sounds that are heard through the human ear. Sound pressure is the amplitude or measure of the difference between atmospheric pressure (with no sound present) and the total pressure (with sound present).

The sound pressure of an acoustic wave is measured in Pascals (Pa). The sound pressure level is measured in decibels (dB) where:

$$\text{dB} = 20 \log_{10}(P/P_{\text{ref}})$$

P = Sound pressure in pascals

P_{ref} = Reference pressure of 10⁻⁵ pascals

Because the range of sound intensities is so large the decibel scale is logarithmic. The range of audible sound pressures is extremely large. Specifically, sharply painful sound is roughly ten million times greater in pressure than the least audible sound. This pressure difference of 10 million pascals equates to approximately 140 decibels, when presented logarithmically.

Decibels are not added arithmetically. That is, two 60 decibel sounds do not equal a 120 decibel sound in intensity. In other words, the composite sound of two sewing machines operating at 60 dB each is not as loud as a single ambulance siren operating at 120 dB. Rather, sound levels are added logarithmically such that two 60 dB sounds total approximately 63 dB. If two sounds are of different levels, the lower level (in dB) adds less to the higher as this difference increases. If the difference between sound levels is 10 or more dB, the lower level adds almost nothing to the higher level. A 60 dB sound added to a 70 dB sound results in a total sound level of approximately 70.4 dB.



The rate at which a sound source vibrates, or makes the air vibrate, determines the frequency. Only pure harmonic tones (such as that produced by a tuning fork) have a single frequency. Most sounds consist of a wide spectrum of sound frequencies that when summed constitute the sound heard. The range of frequencies that is audible to the human ear (approximately 20 to 20,000 Hz.) is divided into 10 octave bands. An octave is defined as the frequency range or interval whose upper frequency limit is twice the lower frequency limit. The ten octave bands each possess a “preferred frequency” at the center of the octave band. The octave band center frequencies are measured at approximately 31.5 Hz., 63 Hz., 125 Hz., 250 Hz., 500 Hz., 1,000 Hz., 2,000 Hz., 4,000 Hz., 8,000 Hz., and 16,000 Hz. The sound levels at each of these octave bands are then combined to achieve a total sound level for the audible range of frequencies. Depending on the type of noise or the type of receiver, octave band data may be averaged using a weighting which focuses on specific octave bands. When describing sound levels in relation to human hearing, an “A”-weighting is typically applied, resulting in a reading in dB(A) which focuses on frequencies that human hearing is most sensitive to.

Precipitation, wind fluctuations, wind gradients (with altitude), temperature, temperature gradients (with altitude), and relative humidity are atmospheric factors that influence sound propagation. Sound traveling with the wind is bent down to earth, while sound traveling against the wind is bent upward above the ground. There is little or no increase in sound levels due to the sound waves bent down; in fact, there is additional loss at the higher frequencies and at the greater distances. There can be noticeable reductions of sound levels (sometimes up to 20 to 30 decibels) at relatively long distances (beyond a few hundred yards) when the sound waves are bent upward, for sound traveling against the wind (for 10 to 20 mph wind speeds).

In addition to atmospheric factors, topography and vegetation also influence sound propagation. In general, sound from any point source decreases with distance by about 6 dBA with each doubling of the distance from the source. This is assuming that there are no obstructions in the linear path of the sound. The presence of vegetation, berms and intervening topography has an additive mitigating effect.

4.0 NOISE LEVELS

- The site is an active sand and gravel mine with processing equipment. Noise generated during mining activity originates from the use of mobile equipment to clear and remove



vegetation and overburden, removal and transport of material from active mine faces to processing facilities, operation of the processing facilities, and loading material for transport to market. The proposed action includes an expansion in the area of mining. There are no proposed changes to equipment used at the site.

- NYSDEC's Program Policy – Assessing and Mitigating Noise Impacts (February 2001) specifies noise performance standards for facilities should be based on community character. The area surrounding the facility is a mix of rural residential, agricultural and forested land.
- In order to determine the level of any potential noise impacts from an expansion in mining area, a comparison was made between operational noise levels from currently-approved mining practices at the site (“background”), and a future operating scenario contemplating simultaneous operation of mining activity at several locations (“worst-case” scenario). This analysis was completed using SoundPLAN, a three-dimensional noise planning and modeling software. SoundPLAN utilizes octave band source data, topography, ground cover, and background environmental ambient conditions to model the noise regime in three dimensions.
- The potential impact analysis below compares equivalent continuous sound level (Leq), in dB(A). Leq is a standard metric for comparing average relative sound levels, and is the primary metric referenced in NYSDEC's Program Policy – Assessing and Mitigating Noise Impacts.
- Sound levels were modeled at four (4) residential receptors. These receptors were selected to represent conservative, “worst-case” scenarios with respect to potential impact.

4.1 Background Noise Levels

Environmental ambient sound levels were recorded at three (3) different locations within and around the Site while no mining activity was taking place. Ambient levels were collected over 30-minute intervals and are reported as equivalent continuous sound levels (Leq) in dB(A). Results from these measurements are summarized in Table 1. Appendix A contains instrument data from the ambient noise survey. The ambient noise monitoring locations are indicated on Figure 1. Principal sources of noise generation contributing to the ambient levels near the site include traffic on NYS Route 409, agricultural equipment associated with the Site and with adjacent properties, and insect and bird activity. The measured ambient noise levels ranged from 52.3 dB(A) to 57.9 dB(A), consistent with typical daytime rural ambient noise levels.



To determine the background condition for comparison to projected future conditions, operating conditions were modeled in SoundPLAN in order to provide a direct comparison to a future proposed condition, which would also be modeled in SoundPLAN. To be conservative, a minimum environmental ambient noise level of 52.0 dB(A) (below the lowest observed environmental ambient) was assumed, and combined with the existing operations modeled in SoundPLAN. The existing operations model was completed using source data from industry standard equipment, and is illustrated on Figure 2 and summarized in Table 2. Tabulated source input data is included in Appendix B. Modeled sound sources include mobile excavation equipment, stationary processing equipment, and haul trucks, as depicted on Figure 2. The model produced background noise levels, including existing operations, ranging from 52.4 dB(A) to 61.6 dB(A).

4.2 Future conditions

The proposed operation will include an expansion in mining area, but not a significant increase in the mine's production rate, and therefore there are no proposed changes to equipment used at the site that will contribute to the sound sources. To demonstrate a worst-case scenario under the proposed operations, mobile equipment was modeled operating at two (2) locations simultaneously, at the margins of proposed excavation activity, and in close proximity to the most proximal adjacent receptors. The proposed operations condition was modeled in SoundPLAN using the same source equipment data as the existing background condition. The results of the proposed operations model are illustrated on Figure 3, and summarized in Table 2. Without additional mitigation, the proposed operations, as modeled under a worst-case scenario, range from 58.0 dB(A) to 67.3 dB(A), reflecting potential increases in observed sound levels of up to 10.2 dB(A) at some adjacent receptors. Receptor 2 demonstrates a potential reduction in anticipated noise levels, due to changes in topography resulting from the proposed modification. An additional scenario (Figure 5) was generated simulating operations as the mine approaches the southeast corner of the LOM, 500 ft from Receptor 4, which is located a trail/bridge within Watkins Glen State Park (Table 2). Receptor 4 has a maximum potential sound increase of 0.5 dB(A). This potential increase in sound is considered "noticeable to tolerable" by the NYSDEC, and therefore mitigation is not necessary.



4.3 Potential impacts & Mitigation

Per NYSDEC's Program Policy – Assessing and Mitigating Noise Impacts, sound level increases of under 5 dB are considered “unnoticed to tolerable”. As indicated by the analysis above, maximum sound level increases at the adjacent receptors will generally be on the order of up to 10.2 dB(A) and require further mitigation. In order to limit potential noise and visual impacts to Receptors 1 and 3, additional screening berms will be located at the southwest and north margins of the site. These new screening berms are illustrated on Figure 4, and were modeled in SoundPLAN to determine the mitigation value. As evidenced by the data in Table 2 and the depiction on Figure 4, the berms significantly reduce the potential for impacts at Receptor 1 and 3, even under worst-case scenarios. The resulting mitigated sound levels at Receptors 1 and 3 are 56.9 dB(A) and 63.1 dB(A) respectively, increases of 4.5 dB(A) and 3.2 dB(A) over background conditions. These lower levels meet the DEC's definition of “unnoticed to tolerable” and will require no further mitigation efforts.

Although predicted noise levels associated with the proposed action show no significant increase in sound levels, several noise reduction techniques will continue to be employed to minimize observable noise at off-site receptors:

1. All equipment is muffled to MSHA standards;
2. Vegetative cover is retained in all areas outside the mine and stockpile areas that are not being mined or prepared for mining;
3. Natural barriers created by the active faces and overburden berms act as barriers to mitigate off-site noise levels when equipment is operating.

All plant employees and equipment operators are instructed in the operation of equipment to reduce noise. Below is a list of techniques utilized at the site to reduce noise:

1. Employees are instructed in the proper operation and maintenance of all equipment;
2. Employees are instructed not to "race" the engines of any equipment unnecessarily;



3. Employees are instructed to report any operating irregularities in equipment that may increase the level of noise generated by that equipment;
4. Vehicle speeds are controlled to reduce engine and ground noise during interior transport of material; and
5. All plant equipment is properly maintained and secured.

5.0 CONCLUSION

NYSDEC's program policy Assessing and Mitigation Noise Impacts states that increases in sound pressure of 0-5 dB(A) are unnoticeable to tolerable to human hearing. The noise projection analysis modeled impacts under worst case scenarios, and resulted in potential increases to two (2) of three (3) proximal adjacent receptors of up to 4.5 dB(A). Sound level increases of no more than 4.5 dB(A), an unnoticeable to tolerable change in sound level. No additional mitigation is required.



TABLES

Table 1: Ambient Noise Measurements

Location	Measured Ambient (dBA)*
A1	52.3
A2	55
A3	57.9

*Ambient noise level measured by JMT of New York, Inc. 12. Levels presented as LAeq measured over half hour periods

Table 2: Projected Noise Levels

Location	Baseline Ambient (dB(A))	Existing Operations (dB(A))	Proposed Operations (dB(A))	Proposed Operations Mitigated-Scenario 1 (dB(A))	Proposed Operations Mitigated-Scenario 2 (dB(A))	Maximum Potential Sound Level Increase (dB(A))
R1: 3320 State Route 409	52	52.4	62.6	56.9	56.4	4.5
R2: Glen Valley Apartments	52	61.6	58.0	58.0	58.1	NA
R3: 3400 Division Street	52	59.9	67.3	63.1	63.1	3.2
R4: Watkins Glen State Park- Indian Trail Overlook	53	52.3	52.4	52.4	52.8	0.5



FIGURES



NOTES:

- 1) BASE MAP COMPILED FROM "PREVIOUS MINE PLAN MAP" MAP BY FAGAN ENGINEERS DATED 10/22/10, "MINE PLAN" MAP BY FAGAN ENGINEERS DATED 10/22/10, AND "OUTSIDE LOM RECLAMATION PLAN" MAP BY FAGAN ENGINEERS DATED 10/22/10.
- 2) FACE UPDATE SURVEY COMPLETED BY SPECTRA ENVIRONMENTAL 4/28/2017
- 3) ALL BOUNDARIES APPROXIMATE WHERE SHOWN SOUND CONTOURS GENERATED IN SOUNDPLAN UTILIZING ISO 9613-2 STANDARDS

LEGEND

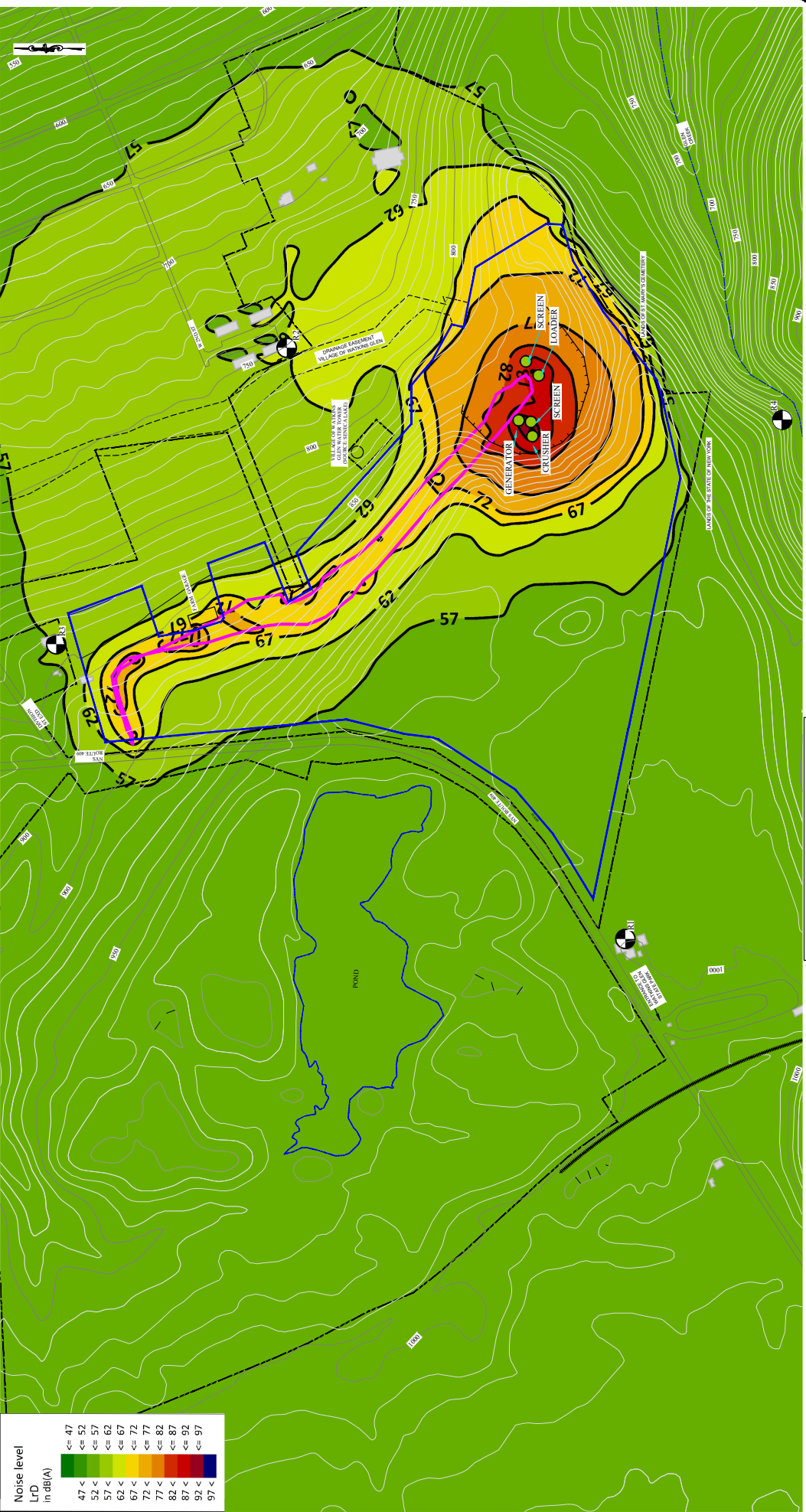
- PROPOSED LIFE-OF-MINE (75.28 ± acres)
- RAILWAY
- AMBIENT MONITORING LOCATION



19 British American Blvd, Latham, New York 12110
 P: (518) 782-0882 F: (518) 782-0973 www.jmt.com

NOISE: AMBIENT MONITORING LOCATIONS
IT'S GREENER NOW, INC.
 PADUA RIDGE

PROJ. No.: 16157 | DATE: 08/07/2018 | SCALE: 1"=400' | DWG. NO. 16157007B | FIGURE 1
 TOWN OF DIX | SCHUYLER CO., NY




LEGEND

- PROPOSED LINE OF MINE (1/2, 20 ± miles)
- PROPERTY LINE (201 ± ± acres)
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- RECLAMATION CONTOUR
- RAILWAY
- RAILWAY TYPICAL HAUL TRUCK ROUTE
- POINT SOURCE
- POINT RECEIVER
- VEGETATED BERM

NOTES:

- 1) THIS MAP COMPILED FROM PREVIOUS MINE PLANS MAP BY FAGAN ENGINEERS DATED 10/22/10, "MINE PLAN" MAP BY FAGAN ENGINEERS DATED 10/22/10, AND "OUTSIDE LOM RECLAMATION PLAN" MAP BY FAGAN ENGINEERS DATED 10/22/10. SURVEY COMPLETED BY SPECTRA
- 2) FACE ENVIRONMENTAL 4/28/2017
- 3) ALL BOUNDARIES APPROXIMATE WHERE SHOWN. SOUND CONTOURS GENERATED IN SOUNDPLAN UTILIZING ISO 9613-2 STANDARDS



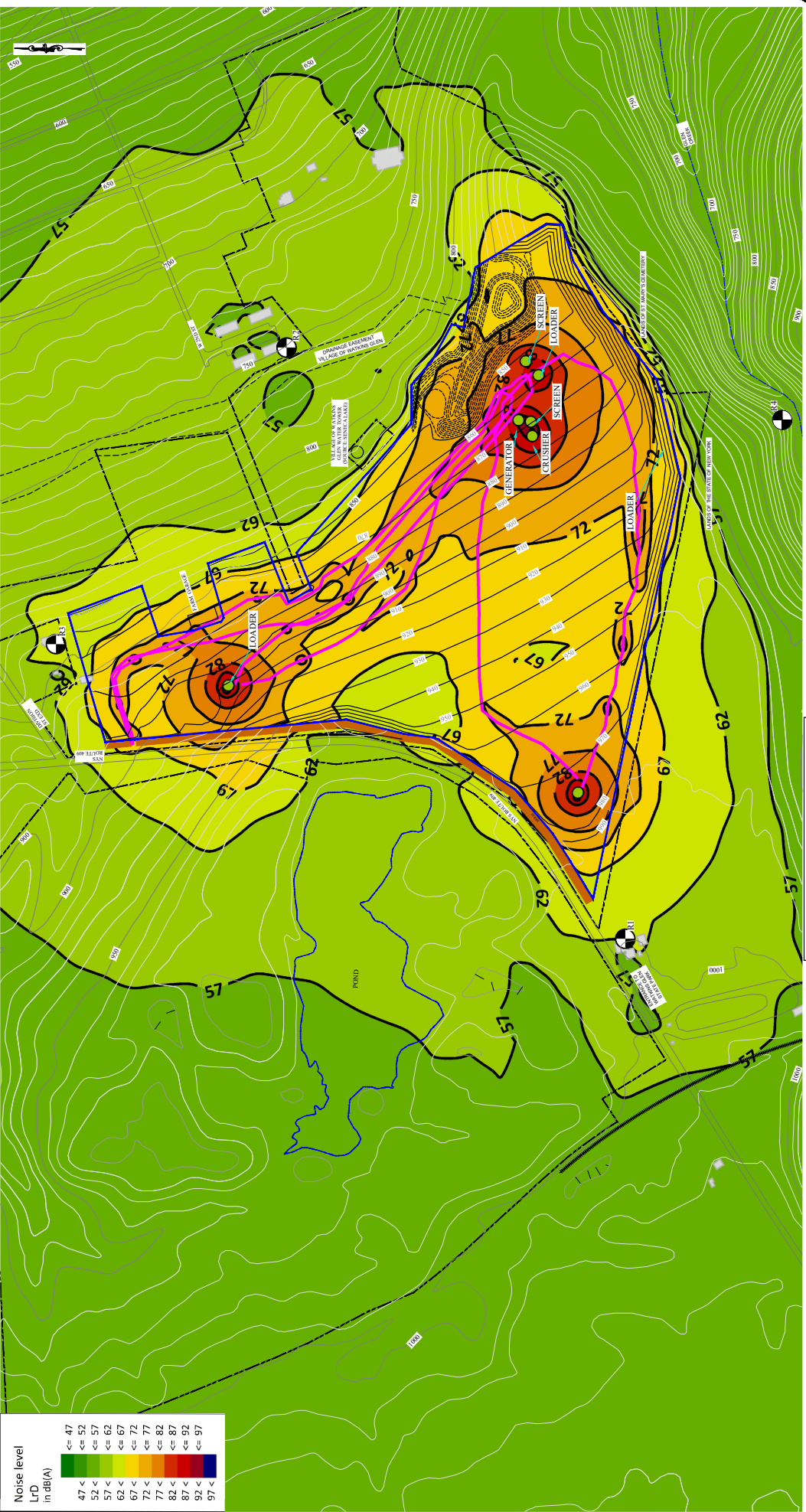
19 British American Blvd., Latham, New York 12110
P: (518) 782-0882 F: (518) 782-0373 www.jmt.com

**NOISE: EXISTING OPERATIONS
IT'S GREENER NOW, INC.**

PADUA RIDGE

TOWN OF DIX SCHUYLER CO., NY

PROJ. No.: 16157 DATE: 08/07/2018 SCALE: 1" = 400' DWG. NO. 16157007B | FIGURE 2



Noise level
LrD
in dB(A)


<= 47
47 <
52 <
57 <
62 <
67 <
72 <
77 <
82 <
87 <
92 <
97 <

LEGEND

- PROPOSED LINE OR NAME (1/2, 20 ft. lines)
- PROPERTY LINE (20 ft. or more)
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- RECLAMATION CONTOUR
- RAILWAY
- LINE SOURCE-TYPICAL HAUL TRUCK ROUTE
- POINT SOURCE
- POINT RECEIVER
- VEGETATED BERM

NOTES:

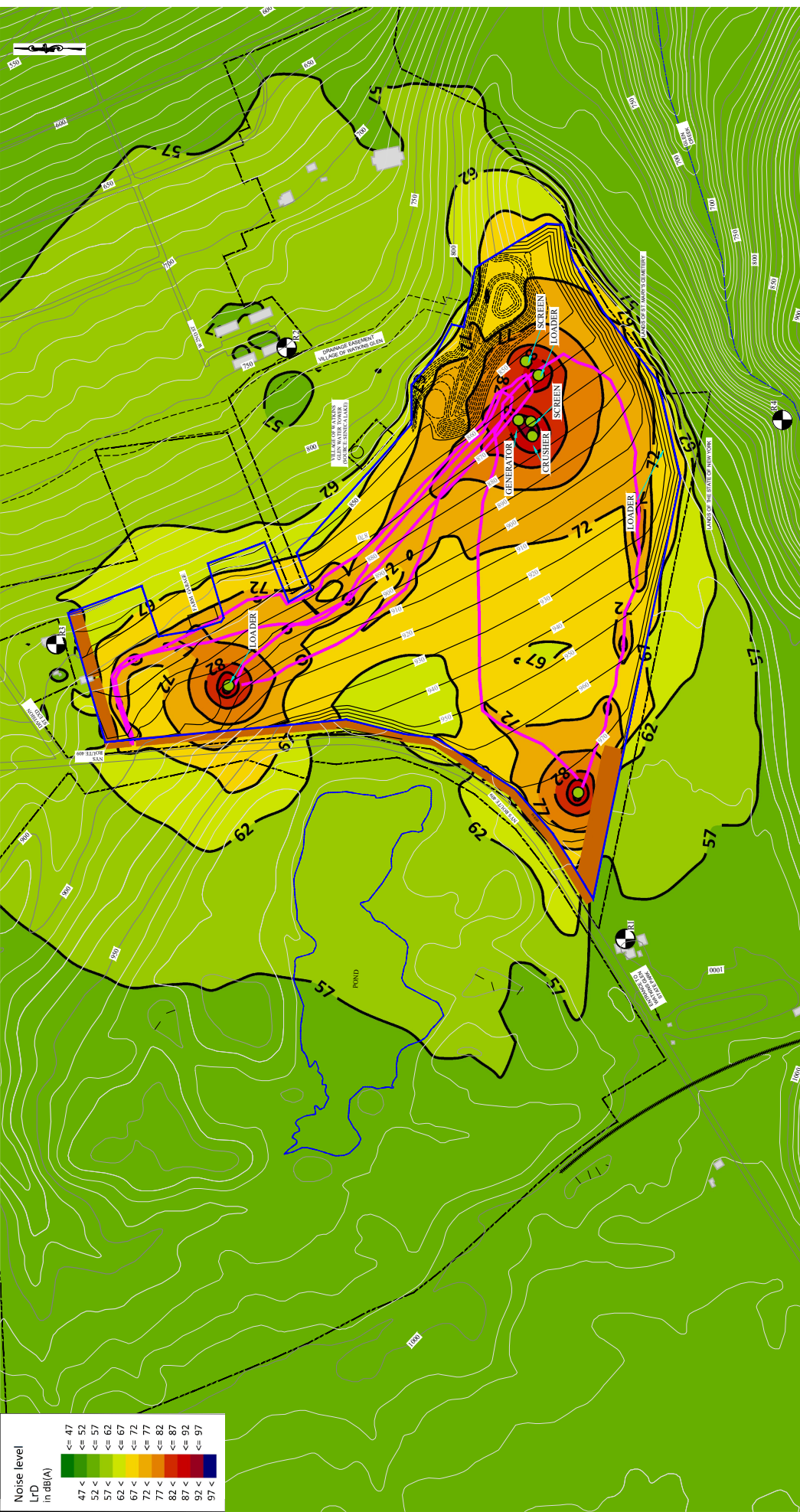
- 1) THIS MAP COMPILED FROM PREVIOUS MINE PLANS MAP BY FAGAN ENGINEERS DATED 10/22/10, "MINE PLAN" MAP BY FAGAN ENGINEERS DATED 10/22/10, AND "OUTSIDE LOM RECLAMATION PLAN" MAP BY FAGAN ENGINEERS DATED 10/22/10. SURVEY COMPLETED BY SPECTRA FACI ENVIRONMENTAL 4/28/2017.
- 2) ALL BOUNDARIES APPROXIMATE WHERE SHOWN.
- 3) SOUND CONTOURS GENERATED IN SOUNDPLAN UTILIZING ISO 9613-2 STANDARDS.



19 Birch American Blvd., Latham, New York 12110
P: (518) 782-0882 F: (518) 782-0373 www.jmt.com

NOISE: PROPOSED OPERATIONS
IT'S GREENER NOW, INC.
PADUA RIDGE

TOWN OF DIX SCHUYLER CO., NY
PROJ. No.: 16157 DATE: 08/07/2018 SCALE: 1" = 400' DWG. NO. 16157007B | FIGURE 3



Noise level
LrD
in dB(A)

<= 47
<= 52
<= 57
<= 62
<= 67
<= 72
<= 77
<= 82
<= 87
<= 92
<= 97

LEGEND

- PROPOSED LINE OR MINE (1/2, 20 ± miles)
- PROPERTY LINE (20 ± ± acres)
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- RECLAMATION CONTOUR
- RAILWAY
- ROAD
- LINE SOURCE-TYPICAL HAUL TRUCK ROUTE
- POINT SOURCE
- POINT RECEIVER
- VEGETATED BERM

NOTES:

- 1) THIS MAP COMPILED FROM PREVIOUS MINE PLANS MAP BY FAGAN ENGINEERS DATED 10/22/10, "MINE PLAN" MAP BY FAGAN ENGINEERS DATED 10/22/10, AND "OUTSIDE LOM RECLAMATION PLAN" MAP BY FAGAN ENGINEERS DATED 10/22/10. SURVEY COMPLETED BY SPECTRA FACI ENVIRONMENTAL 4/28/2017.
- 2) ALL BOUNDARIES APPROXIMATE WHERE SHOWN.
- 3) SOUND CONTOURS GENERATED IN SOUNDPLAN UTILIZING ISO 9613-2 STANDARDS.

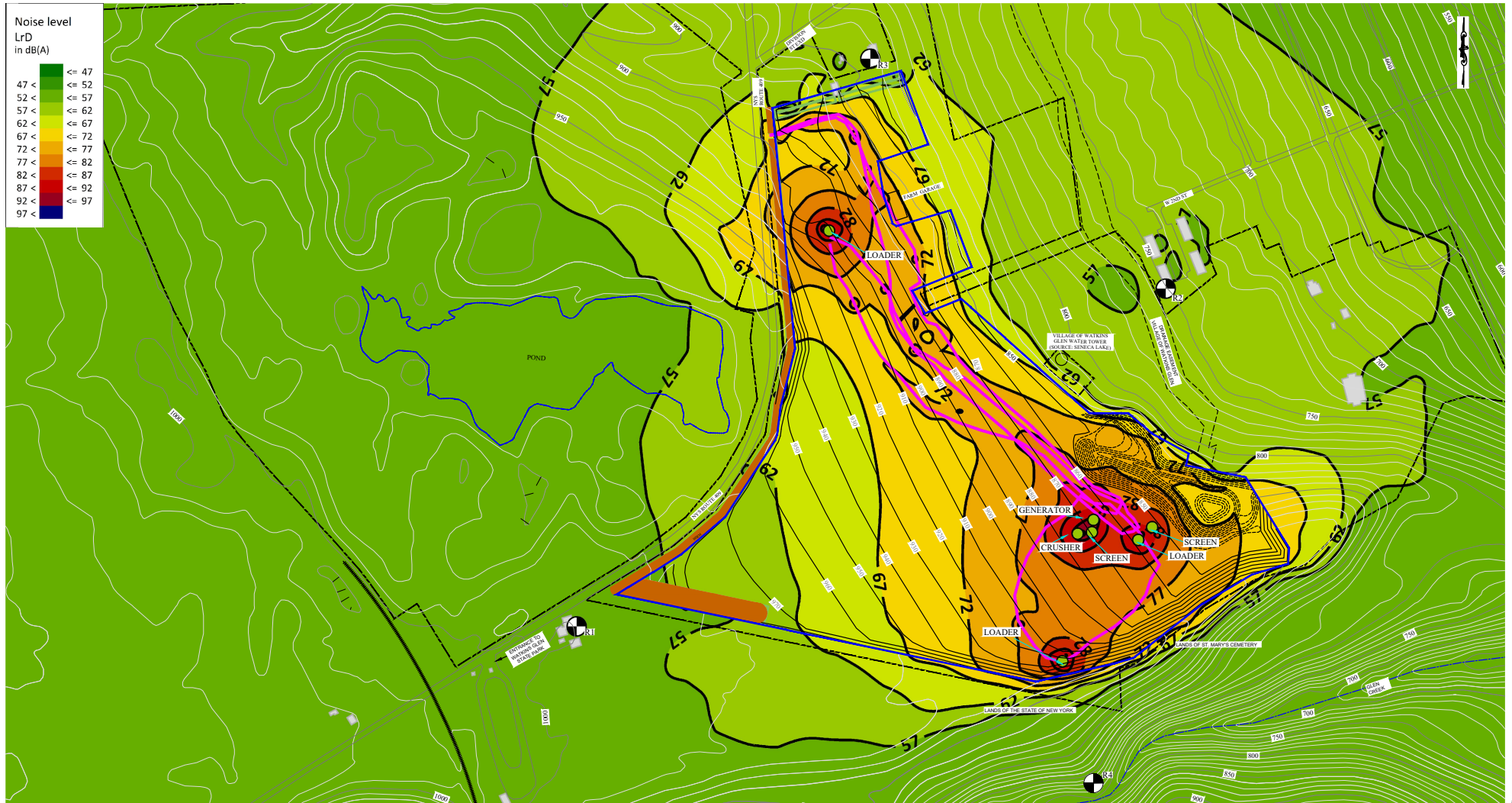
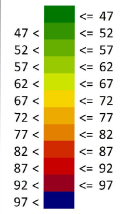
JMT.
19 British American Blvd., Latham, New York 12110
P: (518) 782-0882 F: (518) 782-0373 www.jmt.com

**NOISE: PROPOSED OPERATIONS
BERM MITIGATION - SCENARIO 1
IT'S GREENER NOW, INC.
PADUA RIDGE**

TOWN OF DIX SCHUYLER CO., NY

PROJ. No.: 16157 | DATE: 08/07/2018 | SCALE: 1" = 400' | DWG. NO. 16157007B | FIGURE 4

Noise level
LrD
in dB(A)



- NOTES:
- 1) BASE MAP COMPILED FROM "PREVIOUS MINE PLAN MAP" MAP BY FAGAN ENGINEERS DATED 10/22/10, "MINE PLAN" MAP BY FAGAN ENGINEERS DATED 10/22/10, AND "OUTSIDE LOM RECLAMATION PLAN" MAP BY FAGAN ENGINEERS DATED 10/22/10
 - 2) FACE UPDATE SURVEY COMPLETED BY SPECTRA ENVIRONMENTAL 4/28/2017
 - 3) ALL BOUNDARIES APPROXIMATE WHERE SHOWN
SOUND CONTOURS GENERATED IN SOUNDPLAN UTILIZING ISO 9613-2 STANDARDS

LEGEND	
	PROPOSED LIFE-OF-MINE (75.28 ± acres)
	PROPERTY LINE (281.0 ± acres)
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	RECLAMATION CONTOUR
	RECLAMATION CONTOUR (TWO FOOT)
	RAILWAY
	LINE SOURCE-TYPICAL HAUL TRUCK ROUTE
	POINT SOURCE
	POINT RECEIVER
	VEGETATED BERM

<p>19 British American Blvd. Latham, New York 12110 P: (518) 782-0882 F: (518) 782-0973 www.jmt.com</p>		<p>NOISE: PROPOSED OPERATIONS BERM MITIGATION-SCENARIO 2 IT'S GREENER NOW, INC. PADUA RIDGE</p>							
		TOWN OF DIX	SCHUYLER CO., NY						
PROJ. No.:	16157	DATE:	08/19/2021	SCALE:	1"=400'	DWG. NO.:	16157007C	FIGURE	5



APPENDIX A

AMBIENT NOISE MONITORING DATA

Summary								
Filename	831_Data.016							
Serial Number	3221							
Model	Model 831							
Firmware Version	2.313							
User								
Location								
Job Description								
Note								
Measurement Description								
Start	2017/09/08 21:52:35							
Stop	2017/09/08 22:23:04							
Duration	0:30:28.4							
Run Time	0:30:28.4							
Pause	0:00:00.0							
Pre Calibration								
Pre Calibration	2016/09/21 15:36:55							
Post Calibration	None							
Calibration Deviation	---							
Overall Settings								
RMS Weighting	A Weighting							
Peak Weight	Z Weighting							
Detector	Slow							
Preamp	PRM831							
Microphone Correction	Off							
Integration Method	Linear							
OBA Range	Normal							
OBA Bandwidth	1/1 and 1/3							
OBA Freq. Weighting	A Weighting							
OBA Max Spectrum	Bin Max							
Gain	0.0 dB							
Overload	144.0 dB							
	A	C	Z					
Under Range Peak	76.4	73.4	78.4	dB				
Under Range Limit	26.3	26.6	32.2	dB				
Noise Floor	17.2	17.5	22.8	dB				
Results								
LAeq	52.3 dB							
LAE	84.9 dB							
EA	34.184 µPa²h							
EAB	538.455 µPa²h							
EA40	2.692 mPa²h							
LZpeak (max)	2017/09/08 22:22:31	96.1 dB						
LASmax	2017/09/08 22:22:31	62.1 dB						
LASmin	2017/09/08 21:52:35	49.7 dB						
SEA	-99.9 dB							
LAS > 45.0 dB (Exceedence Counts / Duration)	1	1828.1 s						
LAS > 90.0 dB (Exceedence Counts / Duration)	0	0.0 s						
LZpeak > 135.0 dB (Exceedence Counts / Duration)	0	0.0 s						
LZpeak > 137.0 dB (Exceedence Counts / Duration)	0	0.0 s						
LZpeak > 140.0 dB (Exceedence Counts / Duration)	0	0.0 s						
Community Noise								
	Ldn	LDay 07:00-22:00	LNight 22:00-07:00	Lden	LDay 07:00-19:00	LEvening 19:00-22:00	LNight 22:00-07:00	
	58.7	51.9	52.4	-99.9	-99.9	51.9	52.4	
LCeq	57.1 dB							
LAeq	52.3 dB							
LCeq - LAeq	4.9 dB							
LAleq	53.3 dB							
LAeq	52.3 dB							
LAleq - LAeq	1.0 dB							
# Overloads	0							
Overload Duration	0.0 s							
# OBA Overloads	0							
OBA Overload Duration	0.0 s							
Dose Settings								
Dose Name	OSHA-1		OSHA-2					
Exch. Rate	5		5			dB		
Threshold	90		80			dB		
Criterion Level	90		90			dB		
Criterion Duration	8		8			h		
Results								
Dose	-99.9		-99.9			%		
Projected Dose	-99.9		-99.9			%		
TWA (Projected)	-99.9		-99.9			dB		
TWA (t)	-99.9		-99.9			dB		
Lep (t)	40.3		40.3			dB		
Statistics								
LAS10.00	52.9 dB							
LAS20.00	52.7 dB							
LAS30.00	52.5 dB							
LAS50.00	52.1 dB							
LAS90.00	51.4 dB							
LAS95.00	51.2 dB							
Calibration History								
Preamp	Date							
PRM831	2016/09/21 15:36:55							
Direct	2016/03/08 0:09:46							
PRM831	2017/09/08 12:28:26							
PRM831	2017/09/08 12:27:18							
PRM831	2017/09/01 10:06:30							
PRM831	2017/08/31 10:46:25							
PRM831	2017/08/02 10:36:49							
PRM831	2017/05/11 0:30:42							
PRM831	2017/05/03 13:13:09							
PRM831	2017/05/03 8:47:57							
PRM831	2017/04/28 7:25:37							
PRM831	2017/04/19 21:52:36							
PRM831	2017/04/19 15:30:53							

Summary							
Filename	831_Data.017						
Serial Number	3221						
Model	Model 831						
Firmware Version	2.313						
User							
Location							
Job Description							
Note							
Measurement Description							
Start	2017/09/08 22:31:57						
Stop	2017/09/08 23:03:00						
Duration	0:31:02.7						
Run Time	0:31:02.7						
Pause	0:00:00.0						
Pre Calibration	2016/09/21 15:36:55						
Post Calibration	None						
Calibration Deviation	---						
Overall Settings							
RMS Weighting	A Weighting						
Peak Weight	Z Weighting						
Detector	Slow						
Preamp	PRM831						
Microphone Correction	Off						
Integration Method	Linear						
OBA Range	Normal						
OBA Bandwidth	1/1 and 1/3						
OBA Freq. Weighting	A Weighting						
OBA Max Spectrum	Bin Max						
Gain	0.0 dB						
Overload	144.0 dB						
	A	C	Z				
Under Range Peak	76.4	73.4	78.4 dB				
Under Range Limit	26.3	26.6	32.2 dB				
Noise Floor	17.2	17.5	22.8 dB				
Results							
L _{Aeq}	55.0 dB						
L _{AE}	87.7 dB						
E _A	64.790 µPa ² h						
E _{A8}	1.002 mPa ² h						
E _{A40}	5.009 mPa ² h						
L _Z peak (max)	2017/09/08 22:44:14	92.2 dB					
L _S max	2017/09/08 22:58:41	76.3 dB					
L _S min	2017/09/08 22:59:41	43.6 dB					
S _{EA}	-99.9 dB						
L _{AS} > 45.0 dB (Exceedence Counts / Duration)	1	1862.4 s					
L _{AS} > 90.0 dB (Exceedence Counts / Duration)	0	0.0 s					
L _Z peak > 135.0 dB (Exceedence Counts / Duration)	0	0.0 s					
L _Z peak > 137.0 dB (Exceedence Counts / Duration)	0	0.0 s					
L _Z peak > 140.0 dB (Exceedence Counts / Duration)	0	0.0 s					
Community Noise							
	L _{dn}	L _{Day} 07:00-22:00	L _{Night} 22:00-07:00	L _{den}	L _{Day} 07:00-19:00	L _{Evening} 19:00-22:00	L _{Night} 22:00-07:00
	65.0	-99.9	55.0	65.0	-99.9	-99.9	55.0
L _{Ceq}	58.6 dB						
L _{Aeq}	55.0 dB						
L _{Ceq} - L _{Aeq}	3.6 dB						
L _{LAeq}	56.8 dB						
L _{Aeq}	55.0 dB						
L _{LAeq} - L _{Aeq}	1.9 dB						
# Overloads	0						
Overload Duration	0.0 s						
# OBA Overloads	0						
OBA Overload Duration	0.0 s						
Dose Settings							
Dose Name	OSHA-1	OSHA-2					
Exch. Rate	5	5 dB					
Threshold	90	80 dB					
Criterion Level	90	90 dB					
Criterion Duration	8	8 h					
Results							
Dose	-99.9	-99.9 %					
Projected Dose	-99.9	-99.9 %					
TWA (Projected)	-99.9	-99.9 dB					
TWA (t)	-99.9	-99.9 dB					
L _{ep} (t)	43.1	43.1 dB					
Statistics							
L _{AS10.00}	49.6 dB						
L _{AS20.00}	46.6 dB						
L _{AS30.00}	46.1 dB						
L _{AS50.00}	45.6 dB						
L _{AS90.00}	44.7 dB						
L _{AS95.00}	44.4 dB						
Calibration History							
Preamp	Date						
PRM831	2016/09/21 15:36:55						
Direct	2016/03/08 0:09:46						
PRM831	2017/09/08 12:28:26						
PRM831	2017/09/08 12:27:18						
PRM831	2017/09/01 10:06:30						
PRM831	2017/08/31 10:46:25						
PRM831	2017/08/02 10:36:49						
PRM831	2017/05/11 0:30:42						
PRM831	2017/05/03 13:13:09						
PRM831	2017/05/03 8:47:57						
PRM831	2017/04/28 7:25:37						
PRM831	2017/04/19 21:52:36						
PRM831	2017/04/19 15:30:53						

Summary								
Filename	831_Data.018							
Serial Number	3221							
Model	Model 831							
Firmware Version	2.313							
User								
Location								
Job Description								
Note								
Measurement Description								
Start	2017/09/08 23:10:24							
Stop	2017/09/08 23:40:28							
Duration	0:30:03.9							
Run Time	0:30:03.9							
Pause	0:00:00.0							
Pre Calibration	2016/09/21 15:36:55							
Post Calibration	None							
Calibration Deviation	---							
Overall Settings								
RMS Weighting	A Weighting							
Peak Weight	Z Weighting							
Detector	Slow							
Preamp	PRM831							
Microphone Correction	Off							
Integration Method	Linear							
OBA Range	Normal							
OBA Bandwidth	1/1 and 1/3							
OBA Freq. Weighting	A Weighting							
OBA Max Spectrum	Bin Max							
Gain	0.0 dB							
Overload	144.0 dB							
	A	C	Z					
Under Range Peak	76.4	73.4	78.4 dB					
Under Range Limit	26.3	26.6	32.2 dB					
Noise Floor	17.2	17.5	22.8 dB					
Results								
LAEq	57.9 dB							
LAE	90.5 dB							
EA	123.930 µPa²h							
EAB	1.979 mPa²h							
EA40	9.893 mPa²h							
LZpeak (max)	2017/09/08 23:16:29	100.5 dB						
LASmax	2017/09/08 23:27:57	76.5 dB						
LASmin	2017/09/08 23:28:17	39.9 dB						
SEA	-99.9 dB							
LAS > 45.0 dB (Exceedence Counts / Duration)	18	830.6 s						
LAS > 90.0 dB (Exceedence Counts / Duration)	0	0.0 s						
LZpeak > 135.0 dB (Exceedence Counts / Duration)	0	0.0 s						
LZpeak > 137.0 dB (Exceedence Counts / Duration)	0	0.0 s						
LZpeak > 140.0 dB (Exceedence Counts / Duration)	0	0.0 s						
Community Noise								
	Ldn	LDay 07:00-22:00	LNight 22:00-07:00	Lden	LDay 07:00-19:00	LEvening 19:00-22:00	LNight 22:00-07:00	
	67.9		-99.9	57.9	67.9	-99.9	-99.9	57.9
LCeq	67.7 dB							
LAEq	57.9 dB							
LCeq - LAeq	9.8 dB							
LAEq	60.2 dB							
LAEq	57.9 dB							
LAEq - LAeq	2.3 dB							
# Overloads	0							
Overload Duration	0.0 s							
# OBA Overloads	0							
OBA Overload Duration	0.0 s							
Dose Settings								
Dose Name	OSHA-1	OSHA-2						
Exch. Rate	5	5 dB						
Threshold	90	80 dB						
Criterion Level	90	90 dB						
Criterion Duration	8	8 h						
Results								
Dose	-99.9	-99.9 %						
Projected Dose	-99.9	-99.9 %						
TWA (Projected)	-99.9	-99.9 dB						
TWA (t)	-99.9	-99.9 dB						
Lep (t)	45.9	45.9 dB						
Statistics								
LAS10.00	56.1 dB							
LAS20.00	47.6 dB							
LAS30.00	44.9 dB							
LAS50.00	43.5 dB							
LAS90.00	41.6 dB							
LAS95.00	41.4 dB							
Calibration History								
Preamp	Date							
PRM831	2016/09/21 15:36:55							
Direct	2016/03/08 0:09:46							
PRM831	2017/09/08 12:28:26							
PRM831	2017/09/08 12:27:18							
PRM831	2017/09/01 10:06:30							
PRM831	2017/08/31 10:46:25							
PRM831	2017/08/02 10:36:49							
PRM831	2017/05/11 0:30:42							
PRM831	2017/05/03 13:13:09							
PRM831	2017/05/03 8:47:57							
PRM831	2017/04/28 7:25:37							
PRM831	2017/04/19 21:52:36							
PRM831	2017/04/19 15:30:53							



APPENDIX B

NOISE MODEL INPUT DATA

It's Greener Now, LLC.
 Padua Ridge Gravel Pit
 Existing Operations

Model Inputs

Description	Quantity
Haul Truck Routes	1
Loader	1
Generator	1
Crushers	1
Screen Towers	2

SOURCE GEOMETRY

Haul Truck Route-Plant to NYS RTE 409

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	224,927.7955	264,402.4787	274.7777	1.6
2	224,941.2743	264,403.4305	273.6708	1.6
3	224,961.6742	264,410.8004	270.7992	1.6
4	224,980.3740	264,417.5561	268.3163	1.6
5	224,999.2848	264,422.9097	266.4122	1.6
6	225,015.3570	264,425.6855	265.0120	1.6
7	225,027.8397	264,418.9596	264.5590	1.6
8	225,045.8000	264,390.1153	264.8615	1.6
9	225,054.3387	264,367.5775	265.1519	1.6
10	225,070.3630	264,336.4378	265.5216	1.6
11	225,092.0749	264,295.7580	265.9963	1.6
12	225,118.8941	264,252.5385	266.0053	1.6
13	225,126.2816	264,209.7042	267.5898	1.6
14	225,113.8543	264,201.2197	269.6285	1.6
15	225,120.5394	264,181.9063	271.3624	1.6
16	225,127.7072	264,168.8084	272.2828	1.6
17	225,136.0527	264,157.3053	272.6924	1.6
18	225,148.4387	264,153.4978	270.6595	1.6
19	225,166.0089	264,127.7885	273.0245	1.6
20	225,178.5168	264,107.4608	275.5435	1.6
21	225,203.8973	264,080.0910	277.3184	1.6
22	225,239.6763	264,049.5599	278.0223	1.6
23	225,273.7912	264,020.6687	279.3741	1.6
24	225,291.0345	264,003.4158	280.0394	1.6
25	225,313.6632	263,981.7751	278.1140	1.6
26	225,354.0667	263,942.4889	266.7518	1.6
27	225,371.7684	263,934.7556	265.8356	1.6
28	225,389.4702	263,927.0223	265.1814	1.6
29	225,396.6831	263,916.7664	265.5072	1.6
30	225,400.4529	263,907.4103	266.0491	1.6
31	225,408.7741	263,899.2112	266.0872	1.6
32	225,415.1323	263,888.3542	266.5433	1.6
33	225,407.9719	263,882.5519	267.7060	1.6
34	225,393.2549	263,879.8659	269.2366	1.6
35	225,370.8592	263,896.8163	269.6098	1.6
36	225,353.0392	263,911.6198	269.7844	1.6
37	225,327.4177	263,933.4039	270.0145	1.6
38	225,280.2132	263,975.2055	286.8155	1.6
39	225,239.2310	264,015.4480	284.9045	1.6
40	225,160.8589	264,082.0025	283.1907	1.6
41	225,144.5284	264,101.0030	282.5168	1.6
42	225,123.2706	264,116.2685	282.8430	1.6
43	225,097.2723	264,149.7828	280.8614	1.6
44	225,092.0218	264,161.4679	279.7168	1.6
45	225,087.1125	264,174.2024	278.2164	1.6
46	225,087.4161	264,208.6785	273.3320	1.6
47	225,085.4822	264,224.8544	271.3404	1.6
48	225,083.3063	264,236.0040	270.6858	1.6
49	225,072.2619	264,276.2583	268.6831	1.6
50	225,063.0524	264,304.3138	267.6697	1.6
51	225,059.3571	264,332.2006	266.1725	1.6
52	225,055.1044	264,350.5227	265.6776	1.6
53	225,044.3497	264,398.8045	264.6343	1.6
54	225,041.8260	264,408.7671	264.4188	1.6
55	225,033.5708	264,418.2060	264.3301	1.6
56	225,027.0088	264,424.9090	264.3735	1.6
57	225,018.5464	264,430.0445	264.6692	1.6
58	225,004.3422	264,427.9081	265.9395	1.6
59	224,987.0472	264,423.5980	267.5678	1.6
60	224,960.2913	264,414.0200	270.9083	1.6
61	224,947.9667	264,410.3534	272.7158	1.6
62	224,940.2642	264,405.6694	273.6161	1.6
63	224,929.3116	264,404.5645	274.5540	1.6

It's Greener Now, LLC.
 Padua Ridge Gravel Pit
 Existing Operations

Existing Berm-NYS RTE 409*

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	224,936.3507	264,397.4748	272.7910	0.00
2	224,938.9992	264,368.7341	274.4920	0.00
3	224,944.8501	264,305.2413	277.3680	0.00
4	224,947.1598	264,280.8826	280.4161	0.00
5	224,949.0011	264,260.1952	283.4640	0.00
6	224,951.6186	264,231.7911	286.5120	0.00
7	224,953.5126	264,211.2379	289.4738	0.00
8	224,955.1383	264,193.5956	292.6080	0.00
9	224,958.4872	264,157.2545	295.6560	0.00
10	224,959.3513	264,138.6434	298.7040	0.00
11	224,961.6692	264,122.7236	298.7040	0.00
12	224,948.4692	264,069.3478	298.7040	0.00
13	224,943.2042	264,048.0579	297.7560	0.00
14	224,938.9282	264,013.0952	295.6560	0.00
15	224,938.4138	264,008.8896	295.8478	0.00
16	224,935.7145	264,001.5782	296.0046	0.00
17	224,922.8201	263,981.9610	295.6561	0.00
18	224,889.6736	263,931.5329	298.7040	0.00
19	224,870.4890	263,902.3459	299.4673	0.00
20	224,811.3728	263,852.1099	301.2337	0.00
21	224,773.2333	263,828.4682	301.7520	0.00
22	224,726.6869	263,799.6154	301.7520	0.00

*Geometry represents eastern most limit of berm. Berm built towards west of defined line with a 1v:2h slope to a height of 2 meters, with a top width of 1 meters.

Point Sources

Description	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
Screen Tower	225,433.0893	263,888.2170	266.6331	3.3
Screen Tower	225,353.7900	263,881.5197	272.8866	3.3
Crusher	225,335.0300	263,879.5372	273.8973	3.3
Generator	225,355.7300	263,897.7435	272.4804	3.3
Loader	225,414.7871	263,871.4365	268.1463	1.6

Point Receivers

Description	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
Glenn Valley Apartments	225,450.1000	264,201.8072	231.0561	1.6
3320 NYS RTE 409	224,675.7181	263,755.8977	303.3920	1.6
3400 Division St	225,060.4099	264,503.1742	258.8507	1.6
Watkins Glen State Park- Indian Trail Overlook	225355.62	263551.5629	253.3487	1.6

**It's Greener Now, LLC.
Padua Ridge Gravel Pit
Sound Power Levels**

Description	Octave Band Frequency (Hz)											Overall dB(A)	
	8	16	31.5	63	125	250	500	1k	2k	4k	8k		16k
Generator	-	-	110.98	116.18	118.68	115.08	113.48	112.78	111.08	107.98	101.38	92.58	117.9
Primary Crusher	108.88	112.98	117.68	123.18	124.38	121.28	122.18	119.38	117.48	109.38	98.98	85.48	124.4
Screen Tower	93.26	123.46	111.96	108.86	107.96	109.26	109.86	106.86	111.86	100.16	92.66	80.96	115.1
Loader	-	-	114.28	117.28	124.28	121.28	118.28	117.28	116.28	110.28	105.28	98.28	122.6
Haul Truck	-	-	-	109.00	114.00	117.00	112.00	110.00	107.00	91.00	95.00	-	115.06 ¹

¹To model linear source, sound power set to 83 db(A)/m to reflect a sound pressure of 72 db(A) at 15 feet. Octave band weighting maintained.

**It's Greener Now, LLC.
Padua Ridge Gravel Pit
Proposed Operations**

Model Inputs

Description	Quantity
Haul Truck Routes	3
Loaders	3
Generator	1
Crushers	1
Screen Towers	2

SOURCE GEOMETRY

Haul Truck Route-Plant to NYS RTE 409

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	224,927.7955	264,402.4787	274.7777	1.6
2	224,941.2743	264,403.4305	273.6708	1.6
3	224,961.6742	264,410.8004	270.7992	1.6
4	224,980.3740	264,417.5561	268.3163	1.6
5	224,999.2848	264,422.9097	266.4122	1.6
6	225,015.3570	264,425.6855	265.0120	1.6
7	225,027.8397	264,418.9596	264.5590	1.6
8	225,045.8000	264,390.1153	264.8615	1.6
9	225,054.3387	264,367.5775	265.1519	1.6
10	225,070.3630	264,336.4378	265.5216	1.6
11	225,092.0749	264,295.7580	265.9963	1.6
12	225,118.8941	264,252.5385	266.0053	1.6
13	225,126.2816	264,209.7042	267.5898	1.6
14	225,113.8543	264,201.2197	269.6285	1.6
15	225,120.5394	264,181.9063	271.3624	1.6
16	225,127.7072	264,168.8084	272.2828	1.6
17	225,136.0527	264,157.3053	272.6924	1.6
18	225,148.4387	264,153.4978	270.6595	1.6
19	225,166.0089	264,127.7885	273.0245	1.6
20	225,178.5168	264,107.4608	275.5435	1.6
21	225,203.8973	264,080.0910	277.3184	1.6
22	225,239.6763	264,049.5599	278.0223	1.6
23	225,273.7912	264,020.6687	279.3741	1.6
24	225,291.0345	264,003.4158	280.0394	1.6
25	225,313.6632	263,981.7751	278.1140	1.6
26	225,354.0667	263,942.4889	266.7518	1.6
27	225,371.7684	263,934.7556	265.8356	1.6
28	225,389.4702	263,927.0223	265.1814	1.6
29	225,396.6831	263,916.7664	265.5072	1.6
30	225,400.4529	263,907.4103	266.0491	1.6
31	225,408.7741	263,899.2112	266.0872	1.6
32	225,415.1323	263,888.3542	266.5433	1.6
33	225,407.9719	263,882.5519	267.7060	1.6
34	225,393.2549	263,879.8659	269.2366	1.6
35	225,370.8592	263,896.8163	269.6098	1.6
36	225,353.0392	263,911.6198	269.7844	1.6
37	225,327.4177	263,933.4039	270.0145	1.6
38	225,280.2132	263,975.2055	286.8155	1.6
39	225,239.2310	264,015.4480	284.9045	1.6
40	225,160.8589	264,082.0025	283.1907	1.6
41	225,144.5284	264,101.0030	282.5168	1.6
42	225,123.2706	264,116.2685	282.8430	1.6
43	225,097.2723	264,149.7828	280.8614	1.6
44	225,092.0218	264,161.4679	279.7168	1.6
45	225,087.1125	264,174.2024	278.2164	1.6
46	225,087.4161	264,208.6785	273.3320	1.6
47	225,085.4822	264,224.8544	271.3404	1.6
48	225,083.3063	264,236.0040	270.6858	1.6
49	225,072.2619	264,276.2583	268.6831	1.6
50	225,063.0524	264,304.3138	267.6697	1.6
51	225,059.3571	264,332.2006	266.1725	1.6
52	225,055.1044	264,350.5227	265.6776	1.6
53	225,044.3497	264,398.8045	264.6343	1.6
54	225,041.8260	264,408.7671	264.4188	1.6
55	225,033.5708	264,418.2060	264.3301	1.6
56	225,027.0088	264,424.9090	264.3735	1.6
57	225,018.5464	264,430.0445	264.6692	1.6
58	225,004.3422	264,427.9081	265.9395	1.6
59	224,987.0472	264,423.5980	267.5678	1.6
60	224,960.2913	264,414.0200	270.9083	1.6
61	224,947.9667	264,410.3534	272.7158	1.6
62	224,940.2642	264,405.6694	273.6161	1.6
63	224,929.3116	264,404.5645	274.5540	1.6

It's Greener Now, LLC.
 Padua Ridge Gravel Pit
 Proposed Operations

Haul Truck Route-Southwest Loader to Plant and Back

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	224,873.5639	263,813.2671	298.9923	1.6
2	224,892.6687	263,806.2920	298.3212	1.6
3	224,925.4593	263,795.6302	297.4161	1.6
4	224,954.4786	263,782.7599	296.9582	1.6
5	224,986.3036	263,778.5186	295.9954	1.6
6	225,008.1781	263,769.4980	296.0137	1.6
7	225,028.9663	263,767.7003	294.9462	1.6
8	225,050.5994	263,760.2847	293.6957	1.6
9	225,077.9288	263,758.6502	292.9405	1.6
10	225,104.3349	263,757.6975	290.7342	1.6
11	225,139.5756	263,741.6593	290.0528	1.6
12	225,158.2758	263,742.8305	287.6118	1.6
13	225,182.7571	263,738.3054	286.5062	1.6
14	225,212.5724	263,741.9690	283.9705	1.6
15	225,226.9401	263,739.2057	283.1523	1.6
16	225,250.5764	263,740.2985	281.6070	1.6
17	225,290.7043	263,746.3339	278.3869	1.6
18	225,314.0209	263,744.0958	277.0865	1.6
19	225,347.8066	263,754.1016	274.4675	1.6
20	225,379.9872	263,763.8660	271.2361	1.6
21	225,408.3540	263,777.1603	268.0744	1.6
22	225,424.7184	263,799.3186	265.7707	1.6
23	225,431.4522	263,820.0285	264.4391	1.6
24	225,442.5608	263,838.9342	262.9860	1.6
25	225,431.8796	263,855.3834	262.9144	1.6
26	225,415.6165	263,881.6623	262.6701	1.6
27	225,398.1528	263,899.5535	262.4512	1.6
28	225,377.2374	263,918.5670	261.8185	1.6
29	225,356.5699	263,919.5621	264.5296	1.6
30	225,338.7082	263,929.1863	265.3182	1.6
31	225,310.6187	263,924.9616	267.5147	1.6
32	225,295.3277	263,928.4067	268.4588	1.6
33	225,247.8072	263,944.2394	271.3754	1.6
34	225,222.8855	263,946.2361	273.4852	1.6
35	225,186.9270	263,950.6764	276.3727	1.6
36	225,137.8079	263,949.8544	280.4821	1.6
37	225,105.1021	263,949.0389	282.8532	1.6
38	225,059.1932	263,948.6997	286.1486	1.6
39	225,016.6153	263,948.0408	289.0990	1.6
40	224,974.5201	263,944.1717	291.7373	1.6
41	224,959.2780	263,925.4650	293.0640	1.6
42	224,941.6347	263,889.9829	294.7796	1.6
43	224,930.5685	263,865.3385	295.6876	1.6
44	224,917.9331	263,851.1274	296.4163	1.6
45	224,893.7845	263,826.1569	297.8918	1.6
46	224,884.8153	263,818.6229	298.3337	1.6

Haul Truck Route-Northwest Loader to Plant and Back

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	225,007.4826	264,268.5473	277.2607	1.6
2	225,034.2759	264,257.1443	274.3924	1.6
3	225,064.0343	264,221.7521	273.9055	1.6
4	225,084.6392	264,195.9146	273.5966	1.6
5	225,092.1004	264,171.9586	274.2549	1.6
6	225,107.3298	264,143.3836	274.2360	1.6
7	225,117.9964	264,123.7678	274.1415	1.6
8	225,146.0806	264,108.0578	271.7741	1.6
9	225,158.4727	264,098.3470	271.0663	1.6
10	225,185.7388	264,083.8000	269.2290	1.6
11	225,222.6646	264,052.0579	267.6014	1.6
12	225,265.8171	264,017.3941	266.0229	1.6
13	225,280.8522	264,002.9366	265.6524	1.6
14	225,297.2395	263,988.0394	265.1596	1.6
15	225,322.6857	263,964.2162	264.4464	1.6
16	225,340.4584	263,944.3832	264.2340	1.6
17	225,364.2022	263,931.8785	261.4487	1.6
18	225,393.0711	263,919.5017	261.5572	1.6
19	225,385.4359	263,906.1357	262.3069	1.6
20	225,368.3303	263,908.7072	264.2922	1.6
21	225,338.7330	263,934.4782	264.9861	1.6
22	225,318.5396	263,953.3041	265.4149	1.6
23	225,289.8216	263,981.7795	266.1175	1.6
24	225,253.9694	264,002.1085	267.8230	1.6
25	225,207.6498	264,015.0758	271.1940	1.6
26	225,175.8260	264,025.7222	273.6480	1.6
27	225,134.3145	264,045.2000	276.5921	1.6
28	225,101.3789	264,084.6156	278.3319	1.6
29	225,074.5473	264,113.3747	279.7900	1.6
30	225,060.8925	264,135.7562	280.2088	1.6
31	225,031.2800	264,200.1069	279.9141	1.6
32	225,014.9208	264,223.3677	280.5862	1.6
33	225,007.4545	264,260.1836	277.9638	1.6

It's Greener Now, LLC.
 Padua Ridge Gravel Pit
 Proposed Operations

Point Sources

Description	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
Screen Tower	225,433.0893	263,888.2170	262.9903	3.3
Screen Tower	225,353.7946	263,881.5197	268.2442	3.3
Crusher	225,335.0341	263,879.5372	269.5766	3.3
Generator	225,355.7348	263,897.7435	267.4192	3.3
Loader	225,414.7900	263,871.4365	263.1988	1.6
Loader (Southwest)	225,414.7900	263,871.4365	263.1988	1.6
Loader (Northwest)	225,414.7900	263,871.4365	263.1988	1.6

Point Receivers

Description	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
Glenn Valley Apartments	225,450.1000	264,201.8072	231.0561	1.6
3320 NYS RTE 409	224,675.7181	263,755.8977	303.3920	1.6
3400 Division St	225,060.4099	264,503.1742	258.8507	1.6
Watkins Glen State Park- Indian Trail Overlook	225355.62	263551.5629	253.3487	1.6

Existing Berm-NYS RTE 409*

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	224,936.3507	264,397.4748	272.7910	0.00
2	224,938.9992	264,368.7341	274.4920	0.00
3	224,944.8501	264,305.2413	277.3680	0.00
4	224,947.1598	264,280.8826	280.4161	0.00
5	224,949.0011	264,260.1952	283.4640	0.00
6	224,951.6186	264,231.7911	286.5120	0.00
7	224,953.5126	264,211.2379	289.4738	0.00
8	224,955.1383	264,193.5956	292.6080	0.00
9	224,958.4872	264,157.2545	295.6560	0.00
10	224,959.3513	264,138.6434	298.7040	0.00
11	224,961.6692	264,122.7236	298.7040	0.00
12	224,948.4692	264,069.3478	298.7040	0.00
13	224,943.2042	264,048.0579	297.7560	0.00
14	224,938.9282	264,013.0952	295.6560	0.00
15	224,938.4138	264,008.8896	295.8478	0.00
16	224,935.7145	264,001.5782	296.0046	0.00
17	224,922.8201	263,981.9610	295.6561	0.00
18	224,889.6736	263,931.5329	298.7040	0.00
19	224,870.4890	263,902.3459	299.4673	0.00
20	224,811.3728	263,852.1099	301.2337	0.00
21	224,773.2333	263,828.4682	301.7520	0.00
22	224,726.6869	263,799.6154	301.7520	0.00

*Geometry represents eastern most limit of berm. Berm built towards west of defined line with a 1v:2h slope to a height of 2 meters, with a top width of 1 meters.

It's Greener Now, LLC.
 Padua Ridge Gravel Pit
 Mitigated Proposed Operations

Model Inputs

Description	Quantity
Haul Truck Routes	3
Loaders	3
Generator	1
Crushers	1
Screen Towers	2

SOURCE GEOMETRY

Haul Truck Route-Plant to NYS RTE 409

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	224,927.7955	264,402.4787	274.7777	1.6
2	224,941.2743	264,403.4305	273.6708	1.6
3	224,961.6742	264,410.8004	270.7992	1.6
4	224,980.3740	264,417.5561	268.3163	1.6
5	224,999.2848	264,422.9097	266.4122	1.6
6	225,015.3570	264,425.6855	265.0120	1.6
7	225,027.8397	264,418.9596	264.5590	1.6
8	225,045.8000	264,390.1153	264.8615	1.6
9	225,054.3387	264,367.5775	265.1519	1.6
10	225,070.3630	264,336.4378	265.5216	1.6
11	225,092.0749	264,295.7580	265.9963	1.6
12	225,118.8941	264,252.5385	266.0053	1.6
13	225,126.2816	264,209.7042	267.5898	1.6
14	225,113.8543	264,201.2197	269.6285	1.6
15	225,120.5394	264,181.9063	271.3624	1.6
16	225,127.7072	264,168.8084	272.2828	1.6
17	225,136.0527	264,157.3053	272.6924	1.6
18	225,148.4387	264,153.4978	270.6595	1.6
19	225,166.0089	264,127.7885	273.0245	1.6
20	225,178.5168	264,107.4608	275.5435	1.6
21	225,203.8973	264,080.0910	277.3184	1.6
22	225,239.6763	264,049.5599	278.0223	1.6
23	225,273.7912	264,020.6687	279.3741	1.6
24	225,291.0345	264,003.4158	280.0394	1.6
25	225,313.6632	263,981.7751	278.1140	1.6
26	225,354.0667	263,942.4889	266.7518	1.6
27	225,371.7684	263,934.7556	265.8356	1.6
28	225,389.4702	263,927.0223	265.1814	1.6
29	225,396.6831	263,916.7664	265.5072	1.6
30	225,400.4529	263,907.4103	266.0491	1.6
31	225,408.7741	263,899.2112	266.0872	1.6
32	225,415.1323	263,888.3542	266.5433	1.6
33	225,407.9719	263,882.5519	267.7060	1.6
34	225,393.2549	263,879.8659	269.2366	1.6
35	225,370.8592	263,896.8163	269.6098	1.6
36	225,353.0392	263,911.6198	269.7844	1.6
37	225,327.4177	263,933.4039	270.0145	1.6
38	225,280.2132	263,975.2055	286.8155	1.6
39	225,239.2310	264,015.4480	284.9045	1.6
40	225,160.8589	264,082.0025	283.1907	1.6
41	225,144.5284	264,101.0030	282.5168	1.6
42	225,123.2706	264,116.2685	282.8430	1.6
43	225,097.2723	264,149.7828	280.8614	1.6
44	225,092.0218	264,161.4679	279.7168	1.6
45	225,087.1125	264,174.2024	278.2164	1.6
46	225,087.4161	264,208.6785	273.3320	1.6
47	225,085.4822	264,224.8544	271.3404	1.6
48	225,083.3063	264,236.0040	270.6858	1.6
49	225,072.2619	264,276.2583	268.6831	1.6
50	225,063.0524	264,304.3138	267.6697	1.6
51	225,059.3571	264,332.2006	266.1725	1.6
52	225,055.1044	264,350.5227	265.6776	1.6
53	225,044.3497	264,398.8045	264.6343	1.6
54	225,041.8260	264,408.7671	264.4188	1.6
55	225,033.5708	264,418.2060	264.3301	1.6
56	225,027.0088	264,424.9090	264.3735	1.6
57	225,018.5464	264,430.0445	264.6692	1.6
58	225,004.3422	264,427.9081	265.9395	1.6
59	224,987.0472	264,423.5980	267.5678	1.6
60	224,960.2913	264,414.0200	270.9083	1.6
61	224,947.9667	264,410.3534	272.7158	1.6
62	224,940.2642	264,405.6694	273.6161	1.6
63	224,929.3116	264,404.5645	274.5540	1.6

It's Greener Now, LLC.
 Padua Ridge Gravel Pit
 Mitigated Proposed Operations

Haul Truck Route-Southwest Loader to Plant and Back

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	224,873.5639	263,813.2671	298.9923	1.6
2	224,892.6687	263,806.2920	298.3212	1.6
3	224,925.4593	263,795.6302	297.4161	1.6
4	224,954.4786	263,782.7599	296.9582	1.6
5	224,986.3036	263,778.5186	295.9954	1.6
6	225,008.1781	263,769.4980	296.0137	1.6
7	225,028.9663	263,767.7003	294.9462	1.6
8	225,050.5994	263,760.2847	293.6957	1.6
9	225,077.9288	263,758.6502	292.9405	1.6
10	225,104.3349	263,757.6975	290.7342	1.6
11	225,139.5756	263,741.6593	290.0528	1.6
12	225,158.2758	263,742.8305	287.6118	1.6
13	225,182.7571	263,738.3054	286.5062	1.6
14	225,212.5724	263,741.9690	283.9705	1.6
15	225,226.9401	263,739.2057	283.1523	1.6
16	225,250.5764	263,740.2985	281.6070	1.6
17	225,290.7043	263,746.3339	278.3869	1.6
18	225,314.0209	263,744.0958	277.0865	1.6
19	225,347.8066	263,754.1016	274.4675	1.6
20	225,379.9872	263,763.8660	271.2361	1.6
21	225,408.3540	263,777.1603	268.0744	1.6
22	225,424.7184	263,799.3186	265.7707	1.6
23	225,431.4522	263,820.0285	264.4391	1.6
24	225,442.5608	263,838.9342	262.9860	1.6
25	225,431.8796	263,855.3834	262.9144	1.6
26	225,415.6165	263,881.6623	262.6701	1.6
27	225,398.1528	263,899.5535	262.4512	1.6
28	225,377.2374	263,918.5670	261.8185	1.6
29	225,356.5699	263,919.5621	264.5296	1.6
30	225,338.7082	263,929.1863	265.3182	1.6
31	225,310.6187	263,924.9616	267.5147	1.6
32	225,295.3277	263,928.4067	268.4588	1.6
33	225,247.8072	263,944.2394	271.3754	1.6
34	225,222.8855	263,946.2361	273.4852	1.6
35	225,186.9270	263,950.6764	276.3727	1.6
36	225,137.8079	263,949.8544	280.4821	1.6
37	225,105.1021	263,949.0389	282.8532	1.6
38	225,059.1932	263,948.6997	286.1486	1.6
39	225,016.6153	263,948.0408	289.0990	1.6
40	224,974.5201	263,944.1717	291.7373	1.6
41	224,959.2780	263,925.4650	293.0640	1.6
42	224,941.6347	263,889.9829	294.7796	1.6
43	224,930.5685	263,865.3385	295.6876	1.6
44	224,917.9331	263,851.1274	296.4163	1.6
45	224,893.7845	263,826.1569	297.8918	1.6
46	224,884.8153	263,818.6229	298.3337	1.6

Haul Truck Route-Northwest Loader to Plant and Back

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	225,007.4826	264,268.5473	277.2607	1.6
2	225,034.2759	264,257.1443	274.3924	1.6
3	225,064.0343	264,221.7521	273.9055	1.6
4	225,084.6392	264,195.9146	273.5966	1.6
5	225,092.1004	264,171.9586	274.2549	1.6
6	225,107.3298	264,143.3836	274.2360	1.6
7	225,117.9964	264,123.7678	274.1415	1.6
8	225,146.0806	264,108.0578	271.7741	1.6
9	225,158.4727	264,098.3470	271.0663	1.6
10	225,185.7388	264,083.8000	269.2290	1.6
11	225,222.6646	264,052.0579	267.6014	1.6
12	225,265.8171	264,017.3941	266.0229	1.6
13	225,280.8522	264,002.9366	265.6524	1.6
14	225,297.2395	263,988.0394	265.1596	1.6
15	225,322.6857	263,964.2162	264.4464	1.6
16	225,340.4584	263,944.3832	264.2340	1.6
17	225,364.2022	263,931.8785	261.4487	1.6
18	225,393.0711	263,919.5017	261.5572	1.6
19	225,385.4359	263,906.1357	262.3069	1.6
20	225,368.3303	263,908.7072	264.2922	1.6
21	225,338.7330	263,934.4782	264.9861	1.6
22	225,318.5396	263,953.3041	265.4149	1.6
23	225,289.8216	263,981.7795	266.1175	1.6
24	225,253.9694	264,002.1085	267.8230	1.6
25	225,207.6498	264,015.0758	271.1940	1.6
26	225,175.8260	264,025.7222	273.6480	1.6
27	225,134.3145	264,045.2000	276.5921	1.6
28	225,101.3789	264,084.6156	278.3319	1.6
29	225,074.5473	264,113.3747	279.7900	1.6
30	225,060.8925	264,135.7562	280.2088	1.6
31	225,031.2800	264,200.1069	279.9141	1.6
32	225,014.9208	264,223.3677	280.5862	1.6
33	225,007.4545	264,260.1836	277.9638	1.6

It's Greener Now, LLC.
 Padua Ridge Gravel Pit
 Mitigated Proposed Operations

Point Sources

Description	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
Screen Tower	225,433.0893	263,888.2170	262.9903	3.3
Screen Tower	225,353.7946	263,881.5197	268.2442	3.3
Crusher	225,335.0341	263,879.5372	269.5766	3.3
Generator	225,355.7348	263,897.7435	267.4192	3.3
Loader	225,414.7900	263,871.4365	263.1988	1.6
Loader (Southwest)	225,414.7900	263,871.4365	263.1988	1.6
Loader (Northwest)	225,414.7900	263,871.4365	263.1988	1.6

Point Receivers

Description	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
Glenn Valley Apartments	225,450.1000	264,201.8072	231.0561	1.6
3320 NYS RTE 409	224,675.7181	263,755.8977	303.3920	1.6
3400 Division St	225,060.4099	264,503.1742	258.8507	1.6
Watkins Glen State Park- Indian Trail Overlook	225355.62	263551.5629	253.3487	1.6

Existing Berm-NYS RTE 409*

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	224,936.3507	264,397.4748	272.7910	0.00
2	224,938.9992	264,368.7341	274.4920	0.00
3	224,944.8501	264,305.2413	277.3680	0.00
4	224,947.1598	264,280.8826	280.4161	0.00
5	224,949.0011	264,260.1952	283.4640	0.00
6	224,951.6186	264,231.7911	286.5120	0.00
7	224,953.5126	264,211.2379	289.4738	0.00
8	224,955.1383	264,193.5956	292.6080	0.00
9	224,958.4872	264,157.2545	295.6560	0.00
10	224,959.3513	264,138.6434	298.7040	0.00
11	224,961.6692	264,122.7236	298.7040	0.00
12	224,948.4692	264,069.3478	298.7040	0.00
13	224,943.2042	264,048.0579	297.7560	0.00
14	224,938.9282	264,013.0952	295.6560	0.00
15	224,938.4138	264,008.8896	295.8478	0.00
16	224,935.7145	264,001.5782	296.0046	0.00
17	224,922.8201	263,981.9610	295.6561	0.00
18	224,889.6736	263,931.5329	298.7040	0.00
19	224,870.4890	263,902.3459	299.4673	0.00
20	224,811.3728	263,852.1099	301.2337	0.00
21	224,773.2333	263,828.4682	301.7520	0.00
22	224,726.6869	263,799.6154	301.7520	0.00

*Geometry represents eastern most limit of berm. Berm built towards west of defined line with a 1v:2h slope to a height of 2 meters, with a top width of 1 meters.

Proposed Berm-South*

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	224,922.5647	263,760.3341	298.9549	0.00
2	224,911.7186	263,762.9905	298.9019	0.00
3	224,889.0028	263,767.5807	299.5790	0.00
4	224,870.6418	263,771.7001	300.1463	0.00
5	224,855.1056	263,774.7603	301.7520	0.00
6	224,849.1915	263,775.8315	301.7520	0.00
7	224,837.9818	263,777.9981	301.8598	0.00
8	224,824.6997	263,781.0125	302.0349	0.00
9	224,814.7147	263,783.1791	302.1127	0.00
10	224,804.8238	263,784.8746	302.2421	0.00
11	224,786.0782	263,789.1136	302.5356	0.00
12	224,764.6950	263,793.4468	302.6192	0.00
13	224,748.1160	263,797.0263	302.8091	0.00

*Geometry represents southern most limit of berm. Berm built towards north of defined line with a 1v:1.5h slope to a height of 7 meters, with a top width of 2 meters.

Proposed Berm-North*

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	224,933.4800	264,438.4043	270.0270	0.00
2	225,011.0283	264,460.6360	263.4248	0.00
3	225,016.3609	264,462.1123	262.5622	0.00
4	225,023.4098	264,463.9548	262.0970	0.00
5	225,029.1164	264,465.5547	261.5331	0.00
6	225,033.0096	264,466.7280	260.8896	0.00
7	225,039.1428	264,468.4347	260.1223	0.00
8	225,045.7560	264,470.3546	259.3794	0.00
9	225,050.6092	264,471.7413	259.0169	0.00
10	225,056.4758	264,473.3946	258.6548	0.00
11	225,062.2356	264,474.9945	257.8744	0.00
12	225,065.8548	264,476.0661	257.6724	0.00
13	225,071.5756	264,477.7429	257.2050	0.00
14	225077.0992	264479.2718	256.6589157	0.00
15	225081.1433	264480.5047	256.1128009	0.00
16	225087.8505	264482.2802	255.2936516	0.00
17	225093.6206	264483.9076	254.5043521	0.00
18	225096.7277	264484.9433	253.8308025	0.00
19	225099.6374	264485.7324	253.2443404	0.00
20	225100.4758	264486.0283	252.7903641	0.00
21	225100.7717	264486.1269	252.7340207	0.00

**It's Greener Now, LLC.
Padua Ridge Gravel Pit
Mitigated Proposed Operations**

*Geometry represents northern most limit of berm. Berm built towards south of defined line with a 1v:1.5h slope to a height of 4.5 meters, with a top width of 1 meters.

It's Greener Now, LLC.
 Padua Ridge Gravel Pit
 Mitigated Proposed Operations

Model Inputs

Description	Quantity
Haul Truck Routes	3
Loaders	3
Generator	1
Crushers	1
Screen Towers	2

SOURCE GEOMETRY

Haul Truck Route-Plant to NYS RTE 409

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	224,927.7955	264,402.4787	274.7777	1.6
2	224,941.2743	264,403.4305	273.6708	1.6
3	224,961.6742	264,410.8004	270.7992	1.6
4	224,980.3740	264,417.5561	268.3163	1.6
5	224,999.2848	264,422.9097	266.4122	1.6
6	225,015.3570	264,425.6855	265.0120	1.6
7	225,027.8397	264,418.9596	264.5590	1.6
8	225,045.8000	264,390.1153	264.8615	1.6
9	225,054.3387	264,367.5775	265.1519	1.6
10	225,070.3630	264,336.4378	265.5216	1.6
11	225,092.0749	264,295.7580	265.9963	1.6
12	225,118.8941	264,252.5385	266.0053	1.6
13	225,126.2816	264,209.7042	267.5898	1.6
14	225,113.8543	264,201.2197	269.6285	1.6
15	225,120.5394	264,181.9063	271.3624	1.6
16	225,127.7072	264,168.8084	272.2828	1.6
17	225,136.0527	264,157.3053	272.6924	1.6
18	225,148.4387	264,153.4978	270.6595	1.6
19	225,166.0089	264,127.7885	273.0245	1.6
20	225,178.5168	264,107.4608	275.5435	1.6
21	225,203.8973	264,080.0910	277.3184	1.6
22	225,239.6763	264,049.5599	278.0223	1.6
23	225,273.7912	264,020.6687	279.3741	1.6
24	225,291.0345	264,003.4158	280.0394	1.6
25	225,313.6632	263,981.7751	278.1140	1.6
26	225,354.0667	263,942.4889	266.7518	1.6
27	225,371.7684	263,934.7556	265.8356	1.6
28	225,389.4702	263,927.0223	265.1814	1.6
29	225,396.6831	263,916.7664	265.5072	1.6
30	225,400.4529	263,907.4103	266.0491	1.6
31	225,408.7741	263,899.2112	266.0872	1.6
32	225,415.1323	263,888.3542	266.5433	1.6
33	225,407.9719	263,882.5519	267.7060	1.6
34	225,393.2549	263,879.8659	269.2366	1.6
35	225,370.8592	263,896.8163	269.6098	1.6
36	225,353.0392	263,911.6198	269.7844	1.6
37	225,327.4177	263,933.4039	270.0145	1.6
38	225,280.2132	263,975.2055	286.8155	1.6
39	225,239.2310	264,015.4480	284.9045	1.6
40	225,160.8589	264,082.0025	283.1907	1.6
41	225,144.5284	264,101.0030	282.5168	1.6
42	225,123.2706	264,116.2685	282.8430	1.6
43	225,097.2723	264,149.7828	280.8614	1.6
44	225,092.0218	264,161.4679	279.7168	1.6
45	225,087.1125	264,174.2024	278.2164	1.6
46	225,087.4161	264,208.6785	273.3320	1.6
47	225,085.4822	264,224.8544	271.3404	1.6
48	225,083.3063	264,236.0040	270.6858	1.6
49	225,072.2619	264,276.2583	268.6831	1.6
50	225,063.0524	264,304.3138	267.6697	1.6
51	225,059.3571	264,332.2006	266.1725	1.6
52	225,055.1044	264,350.5227	265.6776	1.6
53	225,044.3497	264,398.8045	264.6343	1.6
54	225,041.8260	264,408.7671	264.4188	1.6
55	225,033.5708	264,418.2060	264.3301	1.6
56	225,027.0088	264,424.9090	264.3735	1.6
57	225,018.5464	264,430.0445	264.6692	1.6
58	225,004.3422	264,427.9081	265.9395	1.6
59	224,987.0472	264,423.5980	267.5678	1.6
60	224,960.2913	264,414.0200	270.9083	1.6
61	224,947.9667	264,410.3534	272.7158	1.6
62	224,940.2642	264,405.6694	273.6161	1.6
63	224,929.3116	264,404.5645	274.5540	1.6

It's Greener Now, LLC.
 Padua Ridge Gravel Pit
 Mitigated Proposed Operations

Haul Truck Route-Southwest Loader to Plant and Back

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	224,873.5639	263,813.2671	298.9923	1.6
2	224,892.6687	263,806.2920	298.3212	1.6
3	224,925.4593	263,795.6302	297.4161	1.6
4	224,954.4786	263,782.7599	296.9582	1.6
5	224,986.3036	263,778.5186	295.9954	1.6
6	225,008.1781	263,769.4980	296.0137	1.6
7	225,028.9663	263,767.7003	294.9462	1.6
8	225,050.5994	263,760.2847	293.6957	1.6
9	225,077.9288	263,758.6502	292.9405	1.6
10	225,104.3349	263,757.6975	290.7342	1.6
11	225,139.5756	263,741.6593	290.0528	1.6
12	225,158.2758	263,742.8305	287.6118	1.6
13	225,182.7571	263,738.3054	286.5062	1.6
14	225,212.5724	263,741.9690	283.9705	1.6
15	225,226.9401	263,739.2057	283.1523	1.6
16	225,250.5764	263,740.2985	281.6070	1.6
17	225,290.7043	263,746.3339	278.3869	1.6
18	225,314.0209	263,744.0958	277.0865	1.6
19	225,347.8066	263,754.1016	274.4675	1.6
20	225,379.9872	263,763.8660	271.2361	1.6
21	225,408.3540	263,777.1603	268.0744	1.6
22	225,424.7184	263,799.3186	265.7707	1.6
23	225,431.4522	263,820.0285	264.4391	1.6
24	225,442.5608	263,838.9342	262.9860	1.6
25	225,431.8796	263,855.3834	262.9144	1.6
26	225,415.6165	263,881.6623	262.6701	1.6
27	225,398.1528	263,899.5535	262.4512	1.6
28	225,377.2374	263,918.5670	261.8185	1.6
29	225,356.5699	263,919.5621	264.5296	1.6
30	225,338.7082	263,929.1863	265.3182	1.6
31	225,310.6187	263,924.9616	267.5147	1.6
32	225,295.3277	263,928.4067	268.4588	1.6
33	225,247.8072	263,944.2394	271.3754	1.6
34	225,222.8855	263,946.2361	273.4852	1.6
35	225,186.9270	263,950.6764	276.3727	1.6
36	225,137.8079	263,949.8544	280.4821	1.6
37	225,105.1021	263,949.0389	282.8532	1.6
38	225,059.1932	263,948.6997	286.1486	1.6
39	225,016.6153	263,948.0408	289.0990	1.6
40	224,974.5201	263,944.1717	291.7373	1.6
41	224,959.2780	263,925.4650	293.0640	1.6
42	224,941.6347	263,889.9829	294.7796	1.6
43	224,930.5685	263,865.3385	295.6876	1.6
44	224,917.9331	263,851.1274	296.4163	1.6
45	224,893.7845	263,826.1569	297.8918	1.6
46	224,884.8153	263,818.6229	298.3337	1.6

Haul Truck Route-South Loader to Plant and Back

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	225,320.7215	263,713.9330	282.4638	1.6
2	225,333.0939	263,721.4725	280.1329	1.6
3	225,353.9978	263,739.2258	275.4334	1.6
4	225,384.0813	263,757.8726	271.5193	1.6
5	225,408.3540	263,777.1603	268.1044	1.6
6	225,424.7184	263,799.3186	265.8007	1.6
7	225,431.4522	263,820.0285	264.4691	1.6
8	225,442.5608	263,838.9342	263.0160	1.6
9	225,431.8796	263,855.3834	262.9444	1.6
10	225,415.6165	263,881.6623	262.7001	1.6
11	225,398.1528	263,899.5535	262.4812	1.6
12	225,377.2374	263,918.5670	261.8485	1.6
13	225,356.5699	263,919.5621	264.5596	1.6
14	225,338.7082	263,929.1863	265.3482	1.6
15	225,319.7396	263,905.6380	267.8054	1.6
16	225,293.0093	263,887.6360	270.6133	1.6
17	225,268.4610	263,848.9042	274.6892	1.6
18	225,259.1872	263,823.8105	276.8190	1.6
19	225,252.0955	263,797.6300	278.5588	1.6
20	225,256.4596	263,765.9856	279.7220	1.6
21	225,262.3424	263,755.7681	279.8044	1.6
22	225,279.6413	263,730.2685	280.9158	1.6
23	225,293.7536	263,716.3495	282.9638	1.6
24	225,310.5723	263,712.0965	283.0802	1.6

It's Greener Now, LLC.
 Padua Ridge Gravel Pit
 Mitigated Proposed Operations

Point Sources

Description	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
Screen Tower	225,433.0893	263,888.2170	262.9903	3.3
Screen Tower	225,353.7946	263,881.5197	268.2442	3.3
Crusher	225,335.0341	263,879.5372	269.5766	3.3
Generator	225,355.7348	263,897.7435	267.4192	3.3
Loader	225,414.7900	263,871.4365	263.1988	1.6
Loader (Southwest)	225,414.7900	263,871.4365	263.1988	1.6
Loader (South)	225,315.2500	263,711.7201	283.0609	1.6

Point Receivers

Description	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
Glenn Valley Apartments	225,450.1000	264,201.8072	231.0561	1.6
3320 NYS RTE 409	224,675.7181	263,755.8977	303.3920	1.6
3400 Division St	225,060.4099	264,503.1742	258.8507	1.6
Watkins Glen State Park- Indian Trail Overlook	225355.62	263551.5629	253.3487	1.6

Existing Berm-NYS RTE 409*

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	224,936.3507	264,397.4748	272.7910	0.00
2	224,938.9992	264,368.7341	274.4920	0.00
3	224,944.8501	264,305.2413	277.3680	0.00
4	224,947.1598	264,280.8826	280.4161	0.00
5	224,949.0011	264,260.1952	283.4640	0.00
6	224,951.6186	264,231.7911	286.5120	0.00
7	224,953.5126	264,211.2379	289.4738	0.00
8	224,955.1383	264,193.5956	292.6080	0.00
9	224,958.4872	264,157.2545	295.6560	0.00
10	224,959.3513	264,138.6434	298.7040	0.00
11	224,961.6692	264,122.7236	298.7040	0.00
12	224,948.4692	264,069.3478	298.7040	0.00
13	224,943.2042	264,048.0579	297.7560	0.00
14	224,938.9282	264,013.0952	295.6560	0.00
15	224,938.4138	264,008.8896	295.8478	0.00
16	224,935.7145	264,001.5782	296.0046	0.00
17	224,922.8201	263,981.9610	295.6561	0.00
18	224,889.6736	263,931.5329	298.7040	0.00
19	224,870.4890	263,902.3459	299.4673	0.00
20	224,811.3728	263,852.1099	301.2337	0.00
21	224,773.2333	263,828.4682	301.7520	0.00
22	224,726.6869	263,799.6154	301.7520	0.00

*Geometry represents eastern most limit of berm. Berm built towards west of defined line with a 1v:2h slope to a height of 2 meters, with a top width of 1 meters.

Proposed Berm-South*

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	224,922.5647	263,760.3341	298.9549	0.00
2	224,911.7186	263,762.9905	298.9019	0.00
3	224,889.0028	263,767.5807	299.5790	0.00
4	224,870.6418	263,771.7001	300.1463	0.00
5	224,855.1056	263,774.7603	301.7520	0.00
6	224,849.1915	263,775.8315	301.7520	0.00
7	224,837.9818	263,777.9981	301.8598	0.00
8	224,824.6997	263,781.0125	302.0349	0.00
9	224,814.7147	263,783.1791	302.1127	0.00
10	224,804.8238	263,784.8746	302.2421	0.00
11	224,786.0782	263,789.1136	302.5356	0.00
12	224,764.6950	263,793.4468	302.6192	0.00
13	224,748.1160	263,797.0263	302.8091	0.00

*Geometry represents southern most limit of berm. Berm built towards north of defined line with a 1v:1.5h slope to a height of 7 meters, with a top width of 2 meters.

Proposed Berm-North*

Vertex	Easting (m)	Northing (m)	Absolute Elevation (m)	Height Above Ground (m)
1	224,933.4800	264,438.4043	270.0270	0.00
2	225,011.0283	264,460.6360	263.4248	0.00
3	225,016.3609	264,462.1123	262.5622	0.00
4	225,023.4098	264,463.9548	262.0970	0.00
5	225,029.1164	264,465.5547	261.5331	0.00
6	225,033.0096	264,466.7280	260.8896	0.00
7	225,039.1428	264,468.4347	260.1223	0.00
8	225,045.7560	264,470.3546	259.3794	0.00
9	225,050.6092	264,471.7413	259.0169	0.00
10	225,056.4758	264,473.3946	258.6548	0.00
11	225,062.2356	264,474.9945	257.8744	0.00
12	225,065.8548	264,476.0661	257.6724	0.00
13	225,071.5756	264,477.7429	257.2050	0.00
14	225077.0992	264479.2718	256.6589157	0.00
15	225081.1433	264480.5047	256.1128009	0.00
16	225087.8505	264482.2802	255.2936516	0.00
17	225093.6206	264483.9076	254.5043521	0.00
18	225096.7277	264484.9433	253.8308025	0.00
19	225099.6374	264485.7324	253.2443404	0.00
20	225100.4758	264486.0283	252.7903641	0.00
21	225100.7717	264486.1269	252.7340207	0.00

**It's Greener Now, LLC.
Padua Ridge Gravel Pit
Mitigated Proposed Operations**

*Geometry represents northern most limit of berm. Berm built towards south of defined line with a 1v:1.5h slope to a height of 4.5 meters, with a top width of 1 meters.

ATTACHMENT C

VISUAL ASSESSMENT



Visual Impact Assessment

**IT'S GREENER NOW, INC.
PADUA RIDGE GRAVEL MINE
DIX, NEW YORK**

**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MLF # 80244**

Prepared for:

It's Greener Now, Inc.
3362 NYS Route 409t

Watkins Glen, New York 14891

Prepared by:

JMT of New York, Inc.
19 British American Boulevard
Latham, New York 12110

Submitted: September 2021

Project No: 16-S0157N-001





TABLE OF CONTENTS

4.5	VISUAL AND AESTHETIC RESOURCES	1
4.5.1	EXISTING ENVIRONMENTAL SETTING	1
4.5.2	INVENTORY OF AESTHETIC RESOURCES	1
4.5.3	POTENTIAL IMPACTS.....	1
4.5.4	PROPOSED MITIGATION MEASURES.....	6

TABLES

TABLE 1	INVENTORY OF AESTHETIC RESOURCES
----------------	---

FIGURES

FIGURE 1	LOCATION MAP - INVENTORY OF AESTHETIC RESOURCES
-----------------	--

APPENDICES

APPENDIX A	VISUAL ASSESSMENT PHOTOGRAPHIC LOG
APPENDIX B	NYS OFFICE OF PARKS CORRESPONDENCE



4.5 VISUAL AND AESTHETIC RESOURCES

4.5.1 EXISTING ENVIRONMENTAL SETTING

This Visual Impact Assessment (VIA) has been prepared pursuant to the NYSDEC Program Policy: Assessing and Mitigating Visual Impacts (DEP-00-2), dated July 31, 2000. The Padua Ridge Gravel Mine site is located in central Schuyler County in the Town of Dix, north of the bedrock ridge of Watkins Glen State Park and east of State Route 409. The site is located in a moderately sloped, rural area characterized by agriculture and mixed forest. The majority of the area within the proposed Life-of-Mine (LOM) expansion is utilized for agricultural operations.

Views of the mine site property are generally limited by the existing vegetation and intervening topography. Unscreened views of the mine site are generally from the east and at significant distance (i.e., from the eastern slopes of the Seneca Lake Basin valley). Potential impacts to views of the site are discussed below.

4.5.2 INVENTORY OF AESTHETIC RESOURCES

An inventory of aesthetic resources within a 5-mile radius has been developed in accordance with the NYSDEC Program Policy: Assessing and Mitigating Visual and Aesthetic Impacts (DEP-00-2). The inventory of aesthetic resources includes resources of statewide importance within the 5-mile radius, such as: national, state and municipal parks, national wildlife/state game refuges, nature/historic preserve areas as well as listings on the National Register of Historic Places. The resource inventory is attached as Table 1, *Inventory of Aesthetic Resources*. A corresponding figure depicting the location of each resource is provided as Figure 1, *Location Map – Inventory of Aesthetic Resources*. A summary of the resources is presented below in section 4.5.3.

4.5.3 POTENTIAL IMPACTS

To assess potential visual impacts of the proposed project, JMT conducted a topographic and vegetative cover-based sight line assessment from representative residential and/or publicly accessible vantage points located within the general area. Significant topographic and vegetative



screenings protect the project location from view from all directions except the east and northeast. Impacts to views from likely accessible locations from the east and northeast, will not differ significantly from existing views, as the current affected area is already visible to some extent.

The Visual Assessment Photographic Log (Appendix A) comprises of photographs collected on June 12 and 13, 2017 and includes views along five (5) line-of-sight profiles discussed below, as well as views from several other publicly accessible locations within the viewshed. In addition to numerous supplemental viewpoints, the visual assessment incorporates the four locations specifically referenced in the Scoping Document. The following table summarizes these specific vantage points on line-of-sight profiles (dEIS, Sheets 8 & 9 of 9):

<u>Location</u>	<u>Applicable View Points and Photographs</u>
NYS Route 414: Southeast end of Seneca Lake	Profile D-D': Vantage Point 13; Photos 1, 3, 4, 11
Clute Park	Profile B-B': Vantage Point 5; Photos 2, 7
Northeast Corner of 4 th and Porter Streets	Profile D-D': Vantage Point 12; Photo 4
Route 79: Just South of the Village of Burdett	Profile E-E': Vantage Point 18; Photo 8

Profile A-A'

Profile A-A' is a west to east profile, beginning near NYS Route 409 and ending at NYS Route 14. Views from Vantage Points 1 and 2 toward the project site are obstructed by close-in vegetative cover and topography. Log Photograph No. 14 further depicts the limited to nonexistent potential for visual impacts.



Profile B-B'

Profile B-B' follows a bearing generally from southwest to northeast on which close-in vegetative growth restrict views of the project site from Vantage Point 3. Log Photograph No. 16 depicts representative views from the southwest toward the site. Vantage Point 4 and 5 have existing views of the currently approved affected area of the mine. From these locations, the proposed westward expansion will not be discernible, as the existing excavation face will simply become more distant. Partial views of the proposed expansion to the north may present minor impacts to views from these vantage points.

Profile C-C'

Profile C-C' exhibits a northwest to southeast orientation. Any views, including Vantage Points 7, 8, 9, and 10 from the southeast toward the project site, are obscured by close-in vegetation and topography. Log Photographs No. 12 and 13 are representative of views from the northwest. As shown in the profiles, all views from Watkins Glen State Park are obstructed by close-in vegetation and topography.

Profile D-D'

Profile D-D' orients from west to east. Views from the northeast, including Vantage Points 13 and 14 toward the proposed project area, have the least obstructed views of the site. However, from these locations the proposed west-ward expansion will not be discernible, as the existing excavation face will simply become more distant. Partial views of the proposed expansion to the north may present minor impacts to views from these vantage points. See Log Photographs No.2, 3, and 7. Additionally, these views are from significant distance (from approximately 3,590 feet to over two miles). As such, the proposed activities will be barely noticeable to imperceptible. Views from vantage points 11 and 12 are screened by intervening topography and vegetation.



Profile E-E'

Profile E-E' is a southwest to northeast profile. Views from Vantage Points 15, 16, and 17 are obstructed by heavy vegetation and topography. See Log Photograph No. 8, which location generally follows Profile E-E'. The view towards the proposed expanded affected area from Vantage Point 18 is from a distance of nearly two miles and currently includes the existing excavation area. From this vantage point, the proposed expansion will be barely noticeable to imperceptible, as the existing excavation face will simply become more distant. Partial views of the proposed expansion to the north may present minor impacts to views from these vantage points.

As indicated by the sight line profiles described above and as a result of intervening topography, significant sight distances and surrounding vegetative cover, there will be no significant impacts to visual resources as a result of mining activity.

As indicated by the sight line profiles described above and as a result of intervening topography, significant sight distances and surrounding vegetative cover, there will be no significant impacts to visual resources as a result of mining activity.

Watkins Glen Grand Prix Road Course

The Watkins Glen Grand Prix Road Course (“Course”) is a National Register-listed auto racetrack over public rights of way. The original 6.6-mile track was used from 1948 to 1952, and was listed on the National Register of Historic Places in 2002. As discussed above, and as further shown on Sheets 8 and 9 (included in the dEIS) and in Appendix A, views of the existing property and the proposed expansion from NYS Route 409 are extremely limited. Existing grades, screening berms and vegetation limit views into the proposed expansion area. The site is currently permitted and operating as a sand and gravel mine. Potential visual and aesthetic impacts to the Course from continued operation of the mine site will be consistent with current conditions. There are no potential impacts to Watkins Glen Grand Prix Road Course resulting from the proposed expansion.



An initial consultation submission was made on October 24, 2017 to the New York State Office of Parks, Recreation and Historic Preservation (NYS Office of Parks) for its review and determination of potential impacts to nearby historical and cultural resources. The NYS Office of Parks responded on November 20, 2017, with a request for additional information regarding potential visual and aesthetic impacts to a 0.5-mile portion of the Course that borders the IGN Property along NYS Route 409. JMT prepared a response letter, dated April 23, 2019 to satisfy their request. Subsequently, the Office of Parks issued a letter on May 23, 2019 determining that the response resolved their concerns regarding the project's potential impact on the Road Course. These correspondences are included in Appendix B.

The NYS Office of Parks also issued an additional letter on July 2, 2019 indicating concerns separate from that of the Road Course. IGN addressed this letter in a response, dated September 1, 2021. A copy of the September 1, 2021 response letter to the NYS Office of Parks along with a copy of the original NYS Office of Parks correspondence are saved in Appendix B. Please refer to Appendix B for further details. Any additional correspondence(s) received from the NYS Office of Parks will be retained in Appendix B, made available to the NYSDEC upon its receipt, and included in the dEIS narrative as appropriate.

Additional Potential Aesthetic Resources

In accordance with NYSDEC Program Policy DEP-00-2, potential aesthetic resources were re-evaluated and identified within a 5-mile radius of the proposed expansion area. These resources are collectively depicted on the attached Table 1, *Inventory of Aesthetic Resources* and on Figure 1, *Location Map – Inventory of Aesthetic Resources*. Included in this inventory list are: (12) twelve listings on the National Register of Historic Places; (1) one state park; (6) six local (municipal) parks; (1) one wildlife management area; (1) one scenic lake; (1) one national forest; (2) trails; and (1) one state forest.

Much of these identified resources include those which are already described above, or, if not previously identified, are in close proximity to those which are and can adequately be represented



through the previously assessed resource. For example, resources identified on the attached inventory list as: 1, 8, 7, and 9 can collectively be represented by listed resource 9: First Baptist Church of Watkins Glen due to similar topographic conditions and their physical locations. Similarly, identified resources 2 and 6 can collectively be represented by resource 2: Schuyler County Courthouse Complex, while resources 14 and 15 can be collectively represented by resource 14: Clute Park.

It can additionally be inferred that in some cases, similar site conditions would exhibit similar views. This appears to be the case with some of the views surrounding Seneca Lake. As explained in greater detail above, Profile E-E' intersects the lake and includes a vantage point along the lake (VP 17) obstructed by heavy vegetation and topography. Views from resources 21 and 23 would encounter similar obstructions.

Furthermore, all views from Watkins Glen State Park are obstructed by close-in vegetation and topography. Similarly, it is anticipated that views from the additional identified resources 20, 21, 22, 24, and 25 would encounter similar obstructions due to the nature of the resource and its proximity to the site. The remaining additional resources: 10, 11, 12, 18, and 19 (located southeast of the proposed expansion area) would also have obstructed views resulting from intervening topography, vegetation, and site distance.

4.5.4 PROPOSED MITIGATION MEASURES

As discussed above and shown on Sheets 8 and 9 of the dEIS and in Appendix A, potential impacts to visual resources are anticipated to be minimal. Any potential impacts will be further mitigated by employing concurrent reclamation practices and by limiting stripping activities as discussed in Appendix F of the dEIS, which will minimize the amount of disturbed area visible at any one time.

The identification of the additional potential aesthetic resources does not alter the results of the Visual Impact Assessment nor do their identifications warrant further analysis.

No additional mitigation is required.



TABLES



TABLE 1

AESTHETIC RESOURCES WITHIN 5 MILES OF PADUA RIDGE GRAVEL MINE

National Register of Historic Places

1. Chapman, A. F., House
2. Schuyler County Courthouse Complex
3. U.S. Post Office - Watkins Glen
4. Watkins Glen Commercial Historic District
5. Watkins Glen Grand Prix Course, 1948-1952
6. Watkins Glen High School
7. St. James Episcopal Church
8. First Presbyterian Church of Watkins Glen
9. First Baptist Church of Watkins Glen
10. Montour Falls Historic District
11. Brick Tavern Stand
12. Montour Falls Union Grammar School

State Parks

13. Watkins Glen State Park

Municipal Parks

14. Clute Park
15. Lakeside Park
16. LaFayette Park
17. Seneca Harbor Park
18. Shequaga Falls
19. Havana Glen Park

National Wildlife Refuge/ State Game Refuge

20. Catharine Creek Wildlife Management Area

A site area, lake, reservoir, or highway resource designated or eligible for designation as scenic, including NYS scenic byways

21. Seneca Lake

National Park System, Recreation Areas, Seashores, Forest

22. Fingers Lakes National Forest



State or Federally designated trail or one proposed for designation

- 23. North Country Trail (Watkins Glen State Park)
- 24. Catherine Creek Trail

State Nature and Historic Preserve Areas

- 25. Sugar Hill State Forest

Note: Identification number (e.g, 23.) corresponds with each resource depicted on *Figure 1, Location Map – Inventory of Aesthetic Resources.*

State Register of Historic Places

Due to the proximity of the site to the Town of Watkins Glen, the site is within five miles of numerous places listed on the New York State Historic Register. A complete inventory is listed below:

NAME	STATUS
(Martin's/Little Gem Liquor Store) - 311 North Franklin St	Listed
(U.S. Navy Recruiting) - 217-219 North Franklin St	Listed
Tipaldos Commercial Bldg (Pyrofax Gas) - 215 North Franklin St	Listed
(Thompson Pharmacy) - 308-310 North Franklin St	Listed
L.H. Dirland Hardware/Chamber Building - 214-216 N Franklin St 14891	Listed
Watkins Glen Movie Theater - 112-114 N Franklin St 14891	Listed
(Watkins Glen Car Museum) - 110 North Franklin St	Listed
Odd Fellows Temple - 317 North Franklin St	Listed
Commercial Bldg - 309 North Franklin St	Listed
Watkins State Bank (Angus Insurance) - 221 North Franklin St	Listed
(Fraboni's Grocery) - 200 North Franklin St	Listed
Watkins Hotel - 108 North Franklin St 14891	Listed
Watkins Glen Fire Dept - 205-207 North Franklin St	Listed
(Guild Bros Clothing Store) - 312-314 North Franklin St	Listed
(Review Express Office) - 210 North Franklin St	Listed
Watkins Glen Municipal Bldg - 303 North Franklin St	Listed
(Botique Corner) - 301 North Franklin St	Listed
Maytag Cleveland Appliances - 223 North Franklin St	Listed
(Van Slykes Shoes - Brewin Block) - 211 North Franklin St	Listed
Franklin Street Gallery - 209 N Franklin St 14891	Listed
Van Billard - 208 North Franklin St	Listed
Lee School House - Ny 14	Listed
County Clerk's Office - Franklin St	Listed
Sheriff's Office And Residence - Franklin St	Listed
(Cole Drugs/Chedroy Furniture/Rockhound Jewelry) - 313 North Franklin St	Listed
Tipardos Commercial Bldg (Tobe's Bake Shop/Shoemaker Real Estate) - 213	Listed



INVENTORY OF AESTHETIC RESOURCES

Padua Ridge Gravel Mine

North Franklin St	
(Linda Marie's Beauty Shop) - 304-306 North Franklin St	Listed
(Chemung Valley Savings & Loan) - 300-302 North Franklin St	Listed
Schuyler County Clerks Office Ca 1854 - 412 West Main St	Listed
(Fred Dolloway And William French Residence) - 411 West Main St	Listed
(Nationwide Insurance) - 308 North Franklin St	Listed
(Glen Auto Supply) - 201 North Franklin St	Listed
The Jefferson House - 318 North Franklin St	Listed
(Jo's Fashion Shop Site) - 212 North Franklin St	Listed
Remeo's Shoe Repair Shop) - 204-206 North Franklin St	Listed
Presby Manse - 500 North Decatur St	Listed
Flatiron Building - 215 South Madison Street 14891	Listed
307 North Franklin St	Listed
Former Schuyler Co Courthouse (Village Hall) 1854 - 408 West Main St	Listed
Elijah Hinman House Ca 1846 - 212 South Genesee St	Listed
Daniel Tracey House Ca 1830 - 122 North Genesee St	Listed
Peter Keyser House, Ca 1840 - 118 North Genesee St	Listed
David Bennett Hill House, Ca 1840 - 115 South Genesee St	Listed
Former Carriage Barn, Ca. 1870 - 409 West Main St	Listed
Private Residence Ca 1850 - 216 South Genesee St	Listed
Montour Falls Memorial Library - 406 W Main St 14865	Listed
M & M Club (Montour House) - 401 West Main St	Listed
Former Sheriff's Office/Residence/Jail Ca 1854 - 112 North Genesee St	Listed
William T Jackson House, Ca. 1847 - 101 North Genesee St	Listed
(John Pulos Residence) - 409 West Main St	Listed
Former St Paul's Church Rectory - 414 South St	Listed
Elbert Cook House, Ca. 1870 - 203 South Genesee St	Listed
Halsey Ives House Ca 1880 - 225 South Genesee St	Listed
Minor Broderick House, Ca 1850 - 105 North Genesee St	Listed
Judge W T Jackson House, Ca 1823 - 109 South Genesee St	Listed
Former St Paul's Episcopal Church Ca 1853 - 201 South Genesee St	Listed
E H Downs House, Ca 1830 - 206 South Genesee St	Listed
Private Residence - 415 South St	Listed
Private Residence, Ca 1899 - 211 South Genesee St	Listed
Montour Falls Union Grammar School - 208 W Broadway St	Listed
Mann Parish House - 112 Sixth St 14891	Listed
Private Residence, Ca 1970 - 407 West Main St	Listed
South Pavilion - Franklin St	Eligible
Roberts & Cogsdale - 136 Second St	Eligible
(Johnson Res) - 137 Second St	Eligible
Freer House (Reeves Res) - East Fourth St	Eligible



INVENTORY OF AESTHETIC RESOURCES

Padua Ridge Gravel Mine

Cass House (Sciore Res) - 137 East Fourth St	Eligible
(Traboni Residence) - 209 Fifth St	Eligible
Apartments - 211 Fifth St	Eligible
(Robert Residence) - 209 Sixth St	Eligible
Suspension Bridge, Watkins Glen State Park - Franklin St	Eligible
Comfort Station - 909 South Decatur Street 14891	Eligible
Watkins Glen Railroad Station - North Franklin St	Eligible
(Drake Residence) - 125 Second St	Eligible
Wixson-Lybold House - 134 East Fourth St	Eligible
First United Methodist Church - East Fourth St	Eligible
(Chase Residence) - 212 Sixth St	Eligible
Building G - 3732 Main St	Eligible
Watkins Glen State Park - Franklin St	Eligible
(Seneca Coin Wash Laundromat) - 120 East Fourth St	Eligible
(Roberts Residence/Doctor's Office) - 112 Seventh St	Eligible
(Roberts Residence) - 200 Seventh St	Eligible
(Sir: Residence) - 607 North Porter St	Eligible
St Mary's Of The Lake Church Parish - 905 North Decatur St	Eligible
Rectory - Saint Mary's Of The Lake - Decatur St	Eligible
Building I2 - 4039 Lake Ave	Eligible
Building T3 - 3757 Main St	Eligible
Watkins Glen State Park: Pavilion (Present Gift Shop) At Lower Park Entrance - FRANKLIN ST	Eligible
Hidden Valley Ccc Camp - Ny 329	Eligible
Res (Wixson House) - 130 Third St	Eligible
Senter (Residence) - 205 Sixth St	Eligible
(Yuhasz Residence) - 607 North Decatur St	Eligible
(Daniel Kelly House) (Wood Residence) - 505 North Porter St	Eligible
Building A (Residence) - 3690 Main St	Eligible
Building L - 3764 Main St	Eligible
Concession Stand - Ny 409	Eligible
Stone Twin Arch Bridge, Bin 7700070 - Satterly Hill Rd	Eligible
(Hi Health Dairy/Sciore Commercial Bldg) - 129 East Fourth St	Eligible
(Dunbar Residence) - 210 Seventh St	Eligible
Dwelling - 905 Decatur St	Eligible
705 Decatur St	Eligible
Building P3 - 3783 Main St	Eligible
Chequagua Falls Bridge/Mill Street Bridge - Mill Street	Eligible
Watkins Sporting Goods - 123 E 4th St 14891	Eligible
(Dave's Diner) - 122 East Fourth St	Eligible
The Villager Motel - 106 East Fourth St	Eligible



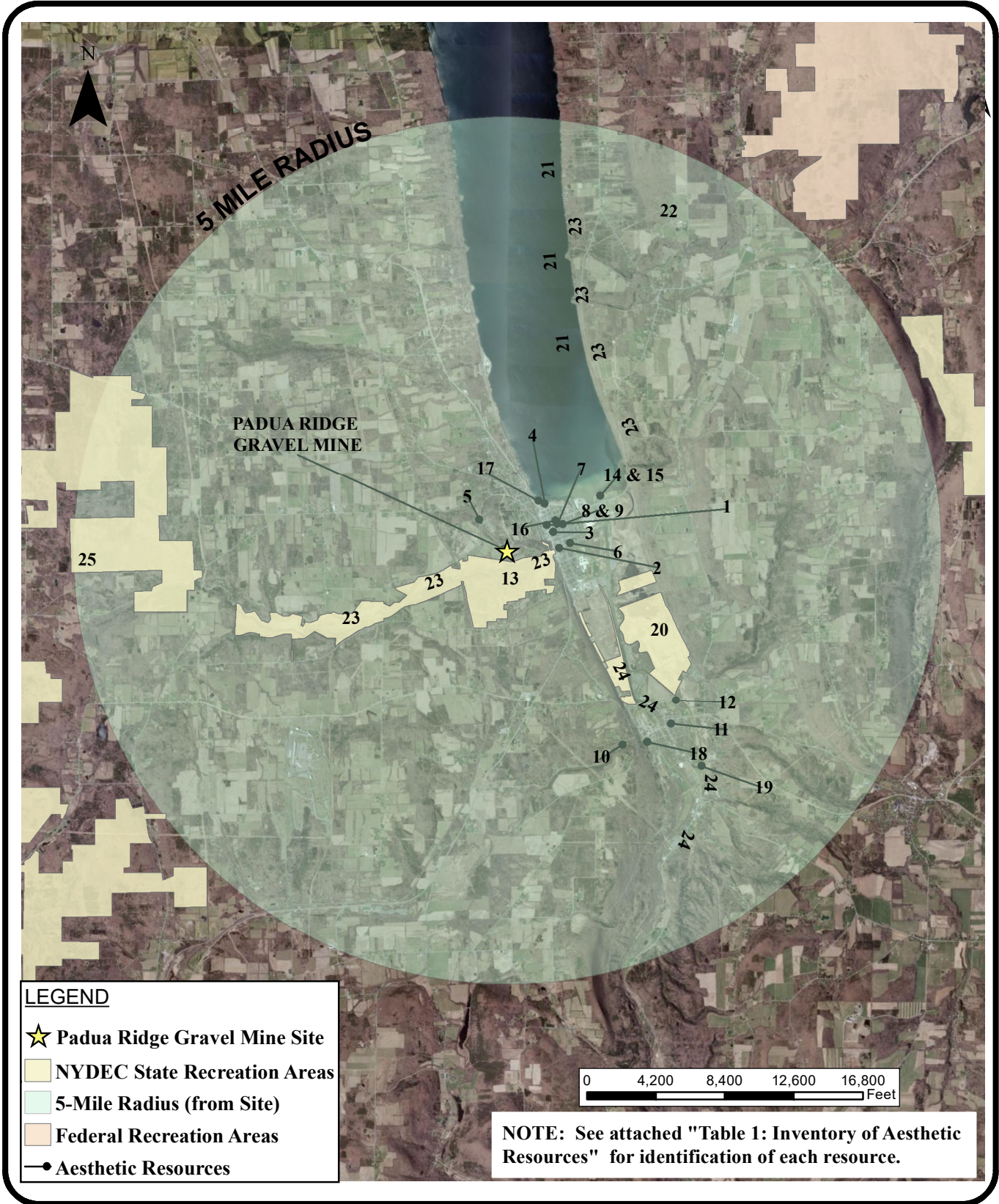
INVENTORY OF AESTHETIC RESOURCES

Padua Ridge Gravel Mine

(Love Apts) - 123 Fifth St	Eligible
(English Residence) - 128 Fifth St	Eligible
(Miller Residence) - 207 Sixth St	Eligible
Horner House (Whinning Residence) - 600 North Decatur St	Eligible
Owen Cassidy House (Residence) - 601 North Decatur St	Eligible
(Gregory Residence) - 206 Seventh St	Eligible
(Franzese Residence) - 208 Seventh St	Eligible
(Parmly Residence) - 210 Sixth St	Eligible
William Mack House (Waite Residence) - 214 Sixth St	Eligible
Joe's & Min's Soda Lunch (Pavalo Family Lunch) - 230 West Main St	Eligible
Building U - 3808 Main St	Eligible
Building W - 3820 Main St	Eligible
Building P2 - 3999 Lake Ave	Eligible
J.T. Makes/Teemley Bldg/Teemley Bldg - 236 West Main St	Eligible
Mill Street Bridge (BIN 3332580) Over Chequaga Falls	Eligible
201 East South Street - 201 East South Street 14865	Eligible
806 N. Decatur Street - 806 N. Decatur Street 14891	Eligible
Building N2 - 4011 Lake Ave	Eligible
Building N3 - 3795 Main St	Eligible
Building O3 - 3789 Main St	Eligible
Tughollow Rd Bridge, Bin 3332530 - Tughollow Rd	Eligible
Stillman Commercial Bldg - 226-228 West Main St	Eligible
(Redner's Market) - 220 West Main St	Eligible
Building J3 - 3821 Main St	Eligible
Building Q3 - 3775 Main St	Eligible
245 Owego St	Eligible
(Vedder & Scott Inc) - 238 West Main St	Eligible
(Guild Brothers Clothing/Teemley's Promart) - 236-2 West Main St	Eligible
(The English-American Antiques Shop) - 214-218 Main St	Eligible
Watkins Glen State Park: Concession Stand At Lower Park Entrance - N.	Eligible
Franklin Street At 10th Street	
Farm - 3070 Beaver Dams Moreland Road 14812	Eligible
Townsend Grange #1208 - 2381 County Road 16 14891	Eligible
Watkins Glen International - 2790 County Route 16 14891	Eligible
Townsend Cemetery - Townsend Road 14891	Eligible
Royce Chedzoy Funeral Home - 212 E. Fourth Street 14891	Eligible
Lafayette Park - East 4th 14891	Eligible
Havana Lodge Bldg - 222-224 West Main St	Eligible



FIGURES



19 British American Blvd., Latham, New York 12110
 P: (518) 782-0882 F: (518) 782-0973 www.jmt.com

Location Map
 Inventory of Aesthetic Resources
IT'S GREENER NOW
 Padua Ridge Gravel Mine

Town of Dix

Schuyler Co., NY



APPENDIX A

VISUAL ASSESSMENT PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG
IT'S GREENER NOW, LLC
PADUA GRAVEL MINE
TOWN OF DIX, SCHUYLER COUNTY, NEW YORK



View from State Route 414 looking southwest towards the site



View from parking area at Clute Park looking southwest towards the site.

PHOTOGRAPHIC LOG
IT'S GREENER NOW, LLC
PADUA GRAVEL MINE
TOWN OF DIX, SCHUYLER COUNTY, NEW YORK



View from Clute Park looking southwest towards the site.



View from State Route 414 looking southwest towards the site.

PHOTOGRAPHIC LOG
IT'S GREENER NOW, LLC
PADUA GRAVEL MINE
TOWN OF DIX, SCHUYLER COUNTY, NEW YORK



View from State Route 8 looking west towards the site.



View from along State Route 414 looking southwest towards the site.

PHOTOGRAPHIC LOG
IT'S GREENER NOW, LLC
PADUA GRAVEL MINE
TOWN OF DIX, SCHUYLER COUNTY, NEW YORK



View from a parking area at Clute Park looking southwest towards the site.

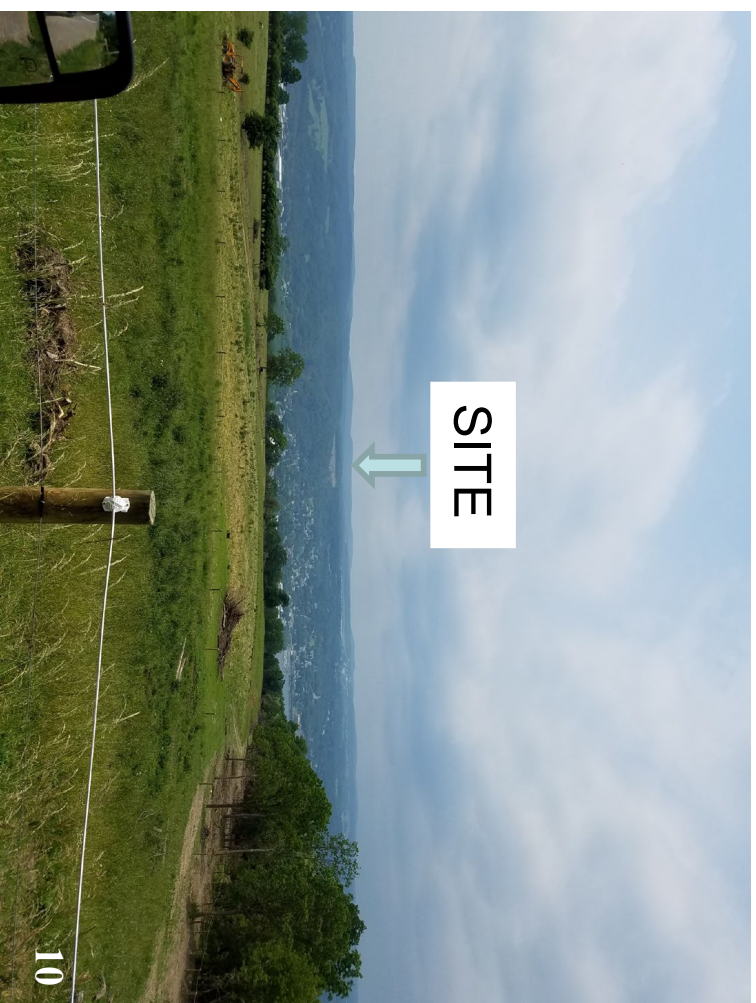


View from State Route 79 looking southeast towards the site.

PHOTOGRAPHIC LOG
IT'S GREENER NOW, LLC
PADUA GRAVEL MINE
TOWN OF DIX, SCHUYLER COUNTY, NEW YORK

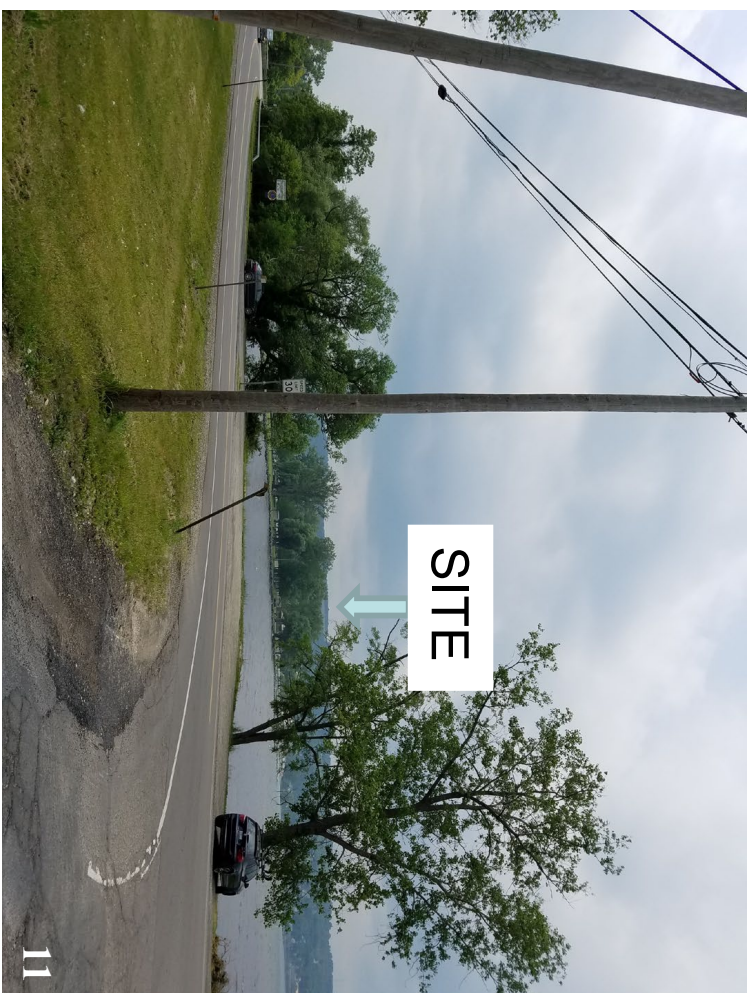


View from intersection of State Route 8 and Cass Road
looking west towards the site.



View from State Route 8 looking west towards the site.

PHOTOGRAPHIC LOG
IT'S GREENER NOW, LLC
PADUA GRAVEL MINE
TOWN OF DIX, SCHUYLER COUNTY, NEW YORK



View from State Route 414 looking southwest towards the site.



View from State Route 409 looking southeast towards the site.

PHOTOGRAPHIC LAG
IT'S GREENER NOW, LLC
PADUA GRAVEL MINE
TOWN OF DIX, SCHUYLER COUNTY, NEW YORK



Another view from State Route 409 looking southeast towards the site.



View from State Route 409 at the gated access to *Elk Park at The Glen* looking east towards the site.

PHOTOGRAPHIC LAG
IT'S GREENER NOW, LLC
PADUA GRAVEL MINE
TOWN OF DIX, SCHUYLER COUNTY, NEW YORK

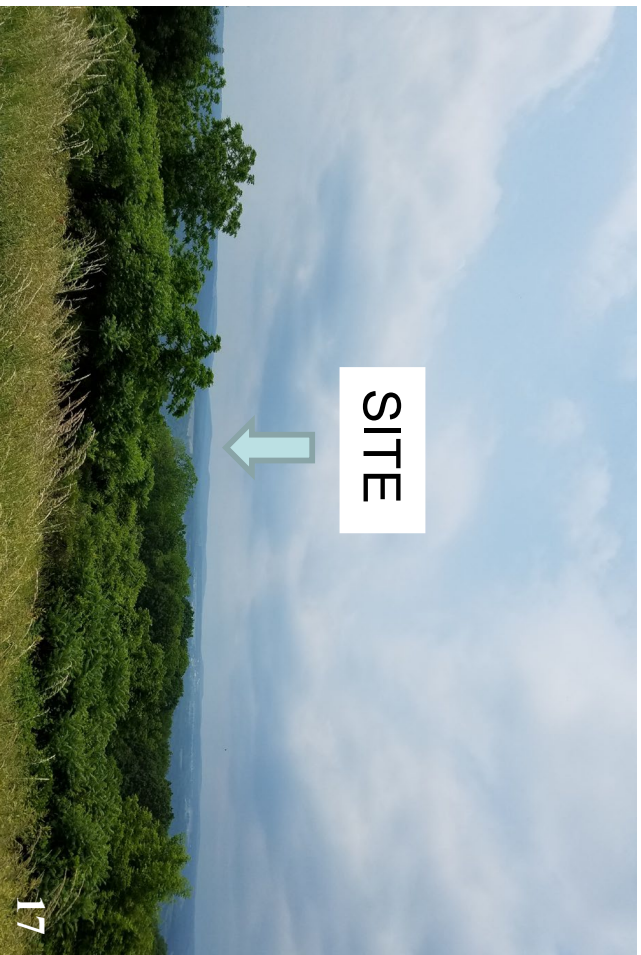


View from State Route 409 looking south towards the site entrance signage.

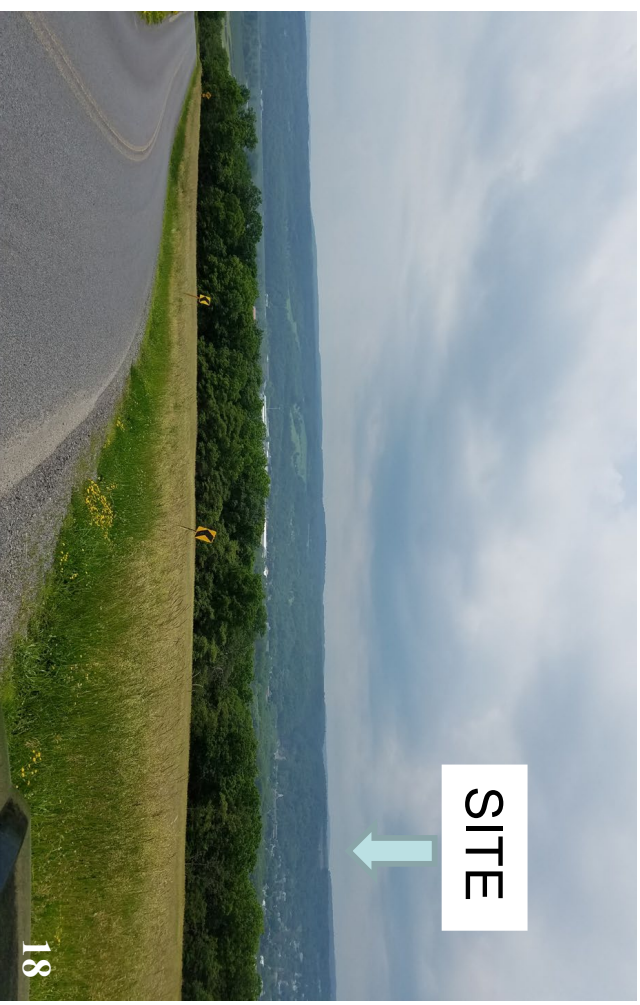


View from State Route 409 and the Watkins Glen State Park Upper Entrance signage looking east towards the site.

PHOTOGRAPHIC LAG
IT'S GREENER NOW, LLC
PADUA GRAVEL MINE
TOWN OF DIX, SCHUYLER COUNTY, NEW YORK



View from State Route 8 looking southwest towards the site.



View from Cass Road looking west towards the site.



APPENDIX B

NYS OFFICE OF PARKS CORRESPONDENCE



April 23, 2019

SUBMITTED VIA E-MAIL

Ms. Sloane Bullough
Historic Sites Restoration Coordinator
New York State Historic Preservation Office (NY SHPO)
P.O. Box 189
Waterford, New York 12188-0189

**Re: It's Greener Now, LLC – Padua Gravel Pit
Padua Gravel Pit Expansion
Response to NY SHPO Request for Additional Information
JMT Job No. 16-S0157N-001**

Dear Ms. Bullough:

JMT of New York, Inc., on behalf of It's Greener Now, LLC (IGN), submits the following in response to the NY SHPO Request for Additional Information, as outlined in your letter, November 20, 2017 for the above referenced site. For ease of review, NY SHPO comments are repeated below in italics, followed by IGN's responses.

Before we can provide our comments, we will need more information to access the visual impact on the historic Grand Prix Road Course and the State Park. Please provide existing and proposed site plans for us to compare. Please also provide any other documentation that will help us understand how the setting at the .5 miles of the road course we are most concerned with will change. For example, we will need to know how the topography in this location will affect the setting and view. We recommend that the rural setting that is visible from the road course is preserved. Photos should be keyed to an existing conditions site plan and attached as a single PDF document to CRIS under "Attachments."

Please add the contact information for the Department of Environmental Conservation to the CRIS entry so that that person can be copied on all correspondence.

A Mine Plan Map (Sheet 1), Reclamation Plan (Sheet 2), and Final Grade Profiles (Sheet 3) are included with this letter as Attachment A. Please refer to Attachment A for further details.

Additionally, to assess potential visual impacts of the proposed project, JMT conducted a topographic- and vegetative cover-based sight line assessment from representative, residential and/or publicly accessible vantage points located within the general area. The visual assessment includes a narrative, Line-of-Sight Profiles Location Map (Sheet 8), Line-of-Sight Profiles (Sheet 9), and a Photographic Log - all of which are included with this letter as Attachment B. The visual assessment discusses the Watkins Glen Grand Prix Road Course and concludes there would be no resulting visual impacts. Views of the site from the Road Course are nearly entirely

screened by topography (including existing screening berms) and vegetation, and any potential view from the Road Course of continued operation of the mine site would be consistent with current conditions. Please refer to Attachment B for additional details.


For ease of review, and per request, this letter and its attachments have been uploaded to the CRIS site. Contact information for Scott Sheeley, the NYSDEC Region 8 - Regional Permit Administrator has also been uploaded to the CRIS site and is as follows:

Scott E. Sheeley
Regional Permit Administrator
NYS DEC Region 8 Headquarters
6274 E. Avon - Lima Road
Avon, New York 14414
Office no. 585-226-2466
Direct no. 585-226-5382

We trust that the information contained herein adequately addresses the items included in your letter, dated November 20, 2017. If you should have any questions or require further information, please do not hesitate to contact me at (845) 204-9239 or acarroll@jmt.com.

Sincerely,

JMT of New York, Inc.


Alexandra Carroll, GISP
Environmental Scientist

Attachments

cc w/ att.: M. Wocjik, IGN
K. Roe, Barclay Damon
E. Davidson, JMT



Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ERIK KULLESEID
Acting Commissioner

May 23, 2019

Mrs. Alexandra Carroll
Environmental Scientist
JMT
19 British American Boulevard
Latham, NY 12110 *via e-mail only*

Re: DEC
Padua Ridge Sand & Gravel Mine (94.63 acres)
Dix, Schuyler Co.
06PR01547

Dear Mrs. Carroll,

Thank you for providing additional information regarding the project's impact on the Watkins Glen Grand Prix Road Course to the Division for Historic Preservation of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the submitted materials in accordance with the New York State Historic Preservation Act of 1980 (section 14.09 of the New York Parks, Recreation and Historic Preservation Law).

The project consists of the expansion of the existing sand and gravel mining operations. The additional materials you provided have resolved our concerns regarding the project's impact on the Road Course. However, the potential environmental impacts to New York State Parkland will need to be reviewed now. The project is adjacent to the Watkins Glen State Park, which is eligible for listing in the National Register. We have reached out to OPRHP Environmental Management Bureau and will communicate with you about the next steps.

Thank you for your patience in the review process. If you have questions, please contact me at 518-268-2158.

Sincerely,

Sloane Bullough
Historic Sites Restoration Coordinator

Division for Historic Preservation

P.O. Box 189, Waterford, New York 12188-0189 • (518) 237-8643 • parks.ny.gov



September 1, 2021

SUBMITTED VIA E-MAIL

Mr. John A. Bonafide
Director, Technical Preservation Services Bureau
New York State Historic Preservation Office (NY SHPO)
P.O. Box 189
Waterford, New York 12188-0189

**Re: It's Greener Now, LLC – Padua Gravel Pit
Padua Gravel Pit Expansion / Project ID: 06PR01547
Response to NY SHPO Request for Additional Information
JMT Job No. 16-S0157N-001**

Dear Mr. Bonafide:

JMT of New York, Inc., on behalf of It's Greener Now, LLC (IGN), submits the following in response to the NY SHPO/OPRHP Request for Additional Information, as outlined in your letter, July 2, 2019 for the above referenced site. For ease of review, NY SHPO/OPRHP comments are repeated below in *italics*, followed by IGN's responses.

Comment: *In reviewing this project, we noted that the newly proposed mine expansion will bring the commercial operations up to the boundary of Watkins Glen State Park. The park was designated eligible for inclusion in the New York State and National Registers of Historic Places in 2016. The park has been used by recreation seekers since the mid-19th century and remains today one of the state's most scenic destinations.*

Section 14.09 (NYSPRHPL) states: "Generally, adverse impacts occur under conditions which include but are not limited to (a) destruction or alteration of all or part of a property; (b) isolation or alteration of its surrounding environment; (c) introduction of visual, audible, or atmospheric elements that are out of character with the property or alter its setting; or (d) neglect of property resulting in its deterioration or destruction."

Our office is particularly concerned with section (c) above and the specific impacts to the park that might arise from the mine expansion. We found no assessment of anticipated increases in noise, dust, vibration, truck traffic or other direct and indirect impacts that the expansion of this extractive industrial would have on the historic park.

It is our belief that an expansion of the mining operation up to the boundary of the state land has significant potential to adversely impact the historic character of the park. As such, we are requesting that an assessment of these factors be provided to this office as part of a more comprehensive alternatives analysis. This study should assess efforts that would avoid or minimize such impacts.

Response: As identified by your office, the existing mine area currently abuts the Watkins Glen State Park property and will continue to do so as the mine expands. However, as operations expand, mining excavation operations will be moving further away from the Watkins Glen gorge. While the overall acreage of the mine will increase over the life of the project, the total disturbed area (active mining excavation area, previously mined un-reclaimed areas, and processing areas) will be minimized by employing concurrent reclamation practices and by limiting stripping activities in advance of mining. As operations progress, there will not be a significant increase in the mine's

production rate. Furthermore, the proposed mining modification will not result in a significant change from previously permitted historic operations.

Please note, a draft Environmental Impact Statement (dEIS) was developed by JMT in May 2019 to satisfy the requirements of the State Environmental Quality Review Act (SEQR) for the proposed mine expansion. The dEIS was prepared in accordance with 6 NYCRR NYCRR 617.9(b) to address those potential impacts identified in the draft Environmental Impact Statement (dEIS) Final Scoping Outline, dated August 18, 2008. NYSDEC has been designated as the lead agency. The dEIS prepared in 2019 evaluated the likelihood and significant of the potential environmental impacts and outlines mitigation measures, where appropriate, to resources including: geological resources, ecological resources, water resources, visual resources, and cultural (historic and archaeological) resources.

NYSDEC reviewed the submitted dEIS, and has issued two response letters, dated May 22, 2019 and July 19, 2019, respectively requesting information. To address the comments contained within the letters, JMT revised the dEIS documents, including the noise projection analysis and visual impact assessment. Dust, vibration, and truck traffic impacts are outside of the scope of the dEIS, per the 2008 Final Scoping Outline referenced above. However, the Mined Land Use Plan (MLUP), which is included as Appendix F in the dEIS, includes a section for potential impacts from dust as well as traffic. The MLUP is included as part of the dEIS as it provides a summary of the mining and reclamation plans for the mine site.

Consistent with current excavation activity at the Padua Ridge Gravel Mine, standard industry equipment will be used to strip, excavate, and haul materials from bank faces. Bulldozers, scrapers, front-end wheel loaders, haul trucks and other standard industry equipment will be used as needed to accomplish each task. There is no proposed blasting.

For your reference, the 2019 dEIS has been uploaded to the CRIS site and IGN's response to the May 22, 2019 and July 19, 2019 NYSDEC letters (which includes the updated dEIS documents) are in the process of being uploaded.

We trust that the information contained herein adequately addresses the items included in your letter, dated July 2, 2019. If you should have any questions or require further information, please do not hesitate to contact me at (518) 218-5925 or acarroll@jmt.com.

Sincerely,
JMT of New York, Inc.



Alexandra Carroll, GISP
Associate

Attachments

cc w/ att.: M. Wocjik, IGN
K. Roe, Barclay Damon
K. Carlson, NYSDEC
D. Carter, OPRHP
F. Bonn, OPRHP
E. Davidson, JMT

ATTACHMENT D

GEOLOGICAL BORING LOGS



BORING LOG

Boring No: MW-1-17

Project Name:	<u>Padua Ridge</u>	Project No:	<u>16157</u>
Client Name:	<u>It's Greener Now, Inc.</u>	Date:	<u>4/25/2017</u>
Location:	<u>3362 NY-409, Watkins Glen, NY 14891</u>	Logged By:	<u>DTS</u>
Weather/Temp:	<u></u>	Checked By:	<u></u>

Drilling Co:	<u>Parrat-Wolff, Inc.</u>	Depth:	<u>124'</u>
Driller:	<u>Glenn</u>	Equipment:	<u></u>
Date Started:	<u>4/25/2017</u>	Method:	<u>Auger & Air</u>
Date Ended:	<u>4/26/2017</u>	Depth/Datum:	<u>124' BGS</u>

Depth (ft)	Sample Depth	Blow Counts	DESCRIPTIVE LOG: color, grain size and amount, texture, moisture DEPOSITIONAL UNIT: outwash, till, lacustrine, muck, fill	REMARKS
0-5	NA	NA	Brown medium to fine sand, frequent pebbles, moist	Characterized by shavings, no split spoon sample taken
5-10	5-7	16-13 13-12	Brown medium to fine sand, some silt, frequent pebbles, loose	
10-15	10-12	10-11 9-12	Brown medium to fine sand, some silt, frequent pebbles, loose, moist	
15-20	15-17	7-8 7-10	Brown medium-fine sand, frequent pebbles, loose-moderately dense, moist	
20-25	20-22	4-10 7-9	Brown fine sand, few pebbles, moderately dense, moist	
25-30	25-27	9-15 17-12	Brown-gray medium to fine sand, some pebbles & cobbles, loose	
30-35	30-32	10-17 13-37	Brown-gray fine-medium sand, frequent pebbles & some cobbles, 1.5" brown clay lens, dry-moist, dense-moderately dense	
35-40	NA	50.0	Brown-gray fine-medium sand	Characterized by shavings, suspected split spoon refusal from large cobble
40-45	42-45	15-15 27-32	Brown-gray fine-medium sand, some silt, some pebbles & some cobbles, dry-moist, loose	
45-50	45-47	17-23 20-27	Brown-gray fine-medium sand, moderately dense, some pebbles, moist-dry	



BORING LOG

Boring No: MW-1-17

Project Name:	<u>Padua Ridge</u>	Project No:	<u>16157</u>
Client Name:	<u>It's Greener Now, Inc.</u>	Date:	<u>4/25/2017</u>
Location:	<u>3362 NY-409, Watkins Glen, NY 14891</u>	Logged By:	<u>DTS</u>
Weather/Temp:	<u></u>	Checked By:	<u></u>

Drilling Co:	<u>Parrat-Wolff, Inc.</u>	Depth:	<u>124'</u>
Driller:	<u>Glenn</u>	Equipment:	<u></u>
Date Started:	<u>4/25/2017</u>	Method:	<u>Auger & Air</u>
Date Ended:	<u>4/26/2017</u>	Depth/Datum:	<u>124' BGS</u>

Depth (ft)	Sample Depth	Blow Counts	DESCRIPTIVE LOG: color, grain size and amount, texture, moisture DEPOSITIONAL UNIT: outwash, till, lacustrine, muck, fill	REMARKS
50-55	50-52	18-29 32-33	Brown-gray fine-medium sand with silt, some pebbles moderately compact, moist	
55-60	55-57	25-25 29-30	Wet brown clay lenses (1.5 -2 "), gray-brown medium-fine sand with some silt, numerous pebbles and cobble fragments, moderately dense-loose	
60-65	60-62	17-25 45-30	Brown medium-fine sand with some silt , numerous pebbles, dry, moderately compact-loose	
65-70	65-67	45-30 26-34	Brown medium-fine sand with some silt, some pebbles, medium compact, moist-dry	
70-75	70-72	35-32 32-30	Brown medium-fine sand with some silt, some pebbles, medium compact, dry	
75-80	75-77	33-44 44-34	Gray-brown fine-medium sand, some silt, some pebbles, sandstone cobble, dry, moderately compact	
80-85	NA	NA	Brown Medium-fine sand.	Characterized by shavings, suspected split spoon refusal from large cobble
85-90	85-87		Gray-brown fine-medium sand, some silt, some pebbles, dry, moderately compact	
90-95	92-95	17-22 28-30	Brown medium-fine sand, few pebbles, moderately compact, moist	
95-100	95-97	11-14 12-14	Fine-medium brown sand to gray dense fine sand and silt, saturated, dense to very dense	



BORING LOG

Boring No: MW-1-17

Project Name:	<u>Padua Ridge</u>	Project No:	<u>16157</u>
Client Name:	<u>It's Greener Now, Inc.</u>	Date:	<u>4/27/2017</u>
Location:	<u>3362 NY-409, Watkins Glen, NY 14891</u>	Logged By:	<u>DTS</u>
Weather/Temp:	<u></u>	Checked By:	<u></u>

Drilling Co:	<u>Parrat-Wolff, Inc.</u>	Depth:	<u>124'</u>
Driller:	<u>Glenn</u>	Equipment:	<u></u>
Date Started:	<u>4/25/2017</u>	Method:	<u>Auger & Air</u>
Date Ended:	<u>4/26/2017</u>	Depth/Datum:	<u>124' BGS</u>

Depth (ft)	Sample Depth	Blow Counts	DESCRIPTIVE LOG: color, grain size and amount, texture, moisture DEPOSITIONAL UNIT: outwash, till, lacustrine, muck, fill	REMARKS
100-105	100-102	17-25 32-40	Moderately dense gray-brown silt with fine sand grading to very dense gray brown clay rich till, some pebbles, saturated	
105-110	105-107	50-3	Gray till dense to very dense, fully saturated	
110-115	110-112	75-2	Gray till dense to very dense, fully saturated	Switched to air drilling at 110' BGS
115-120	NA	NA	Gray till dense to very dense, fully saturated	No sample taken, tip of spoon lost in boring, successfully retrieved
120-124	120-122	50-2	Gray till dense to very dense, fully saturated, bedrock rock encounter at 121.5 BGS, drilled to 124 to confirm bedrock.	



BORING LOG

Boring No: MW-2-17

Project Name:	<u>Padua Ridge</u>	Project No:	<u>16157</u>
Client Name:	<u>It's Greener Now, Inc.</u>	Date:	<u>4/27/2017</u>
Location:	<u>3362 NY-409, Watkins Glen, NY 14891</u>	Logged By:	<u>DTS</u>
Weather/Temp:	<u></u>	Checked By:	<u></u>

Drilling Co:	<u>Parrat-Wolff, Inc.</u>	Depth:	<u>134'</u>
Driller:	<u>Glenn</u>	Equipment:	<u></u>
Date Started:	<u>4/27/2017</u>	Method:	<u>Auger & Air</u>
Date Ended:	<u>5/4/2017</u>	Depth/Datum:	<u>134' BGS</u>

Depth (ft)	Sample Depth	Blow Counts	DESCRIPTIVE LOG: color, grain size and amount, texture, moisture DEPOSITIONAL UNIT: outwash, till, lacustrine, muck, fill	REMARKS
0-5	NA	NA	Brown medium sand, some pebbles, moist	Characterized by shavings, no split spoon sample taken
5-10	5-7	6-7 8-10	Frequent pebbles, brown fine sand with moderate amount of silt, some clay, moist, dense	
10-15	10-12	12-45 50-3	Moist brown medium sand and with some pebbles, loose	Poor sample, spoon bounced on cobble
15-20	15-17	17-17 8-7	Medium brown sand, frequent pebbles, clay lenses 0.5" thick, some silt, moderately dense	
20-25	20-22	4-6 6-7	Brown-gray medium-coarse sand, moderate dense-loose, moist, some pebbles, 0.5" clay lenses	
25-30	25-27	10-17 20-18	Brown medium-fine sand, some pebbles, shale cobble, 2' clay and silt layer, moderately dense, moist	
30-35	30-32	20-11 16-20	Brown fine sand, some silt some pebbles, shale cobble, moist, loose	
35-40	35-37	21-16 14-18	brown medium-course sand, some pebbles, 2" silt and clay layer, dense-very dense	
40-45	40-42	4-8 15-17	Brown fine sand, some silt, some pebbles, shale cobble, moist, loose-moderately dense	
45-50	45-47	5-10 16-22	Brown fine sand, some silt, some pebbles, shale cobble, some compact and silty layers moist, loose-moderately dense	



BORING LOG

Boring No: MW-2-17

Project Name:	<u>Padua Ridge</u>	Project No:	<u>16157</u>
Client Name:	<u>It's Greener Now, Inc.</u>	Date:	<u>4/27/2017</u>
Location:	<u>3362 NY-409, Watkins Glen, NY 14891</u>	Logged By:	<u>DTS</u>
Weather/Temp:	<u></u>	Checked By:	<u></u>

Drilling Co:	<u>Parrat-Wolff, Inc.</u>	Depth:	<u>134'</u>
Driller:	<u>Glenn</u>	Equipment:	<u></u>
Date Started:	<u>4/27/2017</u>	Method:	<u>Auger & Air</u>
Date Ended:	<u>5/4/2017</u>	Depth/Datum:	<u>134' BGS</u>

Depth (ft)	Sample Depth	Blow Counts	DESCRIPTIVE LOG: color, grain size and amount, texture, moisture DEPOSITIONAL UNIT: outwash, till, lacustrine, muck, fill	REMARKS
50-55	50-52	16-12 17-21	Fine sand, some silt, moderately dense, some clay lenses, frequent pebbles, moist	
55-60	55-57	14-20 23-25	Fine with some medium brown sand, some silt and clay lenses, some pebbles, moderately dense, moist	
60-65	60-62	7-16 23-28	Brown-gray fine sand with some silt and clay, some pebbles, moist	
65-70	65-67	21-23 24-20	Brown fine-medium sand, some silt with clay layers, shale cobbles moderately dense, moist	
70-75	70-72	12-10 12-15	Brown fine-medium sand, some silt, shale cobbles moderately dense, moist	
75-80	75-77	30-41 38-32	Fine brown sand with some silt, some pebbles, loose-moderately dense	
80-85	80-82	15-30 11-12	Brown fine sand with some silt, numerous pebbles and cobbles, dry, loose.	
85-90	85-87	49-11 50-11	Brown fine sand with some silt, numerous pebbles and cobbles, dry, loose.	
90-95	92-95	15-30 29-40	Brown fine sand with some silt, numerous shale pebbles and cobbles, dry, moderately dense to loose	
95-100	95-97	15-28 45-50/4	Brown-gray fine sand with some silt, numerous pebbles and cobbles, dry, loose.	



BORING LOG

Boring No: MW-2-17

Project Name:	<u>Padua Ridge</u>	Project No:	<u>16157</u>
Client Name:	<u>It's Greener Now, Inc.</u>	Date:	<u>4/27/2017</u>
Location:	<u>3362 NY-409, Watkins Glen, NY 14891</u>	Logged By:	<u>DTS</u>
Weather/Temp:	<u></u>	Checked By:	<u></u>

Drilling Co:	<u>Parrat-Wolff, Inc.</u>	Depth:	<u>134'</u>
Driller:	<u>Glenn</u>	Equipment:	<u></u>
Date Started:	<u>4/27/2017</u>	Method:	<u>Auger & Air</u>
Date Ended:	<u>5/4/2017</u>	Depth/Datum:	<u>134' BGS</u>

Depth (ft)	Sample Depth	Blow Counts	DESCRIPTIVE LOG: color, grain size and amount, texture, moisture DEPOSITIONAL UNIT: outwash, till, lacustrine, muck, fill	REMARKS
100-105	100-102	26-33 38-37	Brown-gray fine sand with some silt, numerous pebbles and cobbles, dry, loose.	
105-110	NA	NA	Brown-gray fine sand with some silt, numerous pebbles and cobbles, dry, loose.	switched to air drilling with no sampling, characterized by blow out shavings
110-132	NA	NA	Brown fine-medium sand, dry	
132-133	NA	NA	Wet pebbles with some fine sand	
133-134	NA	NA	Brown-gray fine-medium sand with silt. Fully saturated/	



BORING LOG

Boring No: MW-3-17

Project Name:	<u>Padua Ridge</u>	Project No:	<u>16157</u>
Client Name:	<u>It's Greener Now, Inc.</u>	Date:	<u>4/25/2017</u>
Location:	<u>3362 NY-409, Watkins Glen, NY 14891</u>	Logged By:	<u>DTS</u>
Weather/Temp:	<u></u>	Checked By:	<u></u>

Drilling Co:	<u>Parrat-Wolff, Inc.</u>	Depth:	<u>32'</u>
Driller:	<u>Glenn</u>	Equipment:	<u></u>
Date Started:	<u>4/27/2017</u>	Method:	<u>Auger</u>
Date Ended:	<u>4/27/2017</u>	Depth/Datum:	<u>124' BGS</u>

Depth (ft)	Sample Depth	Blow Counts (per 6")	DESCRIPTIVE LOG: color, grain size and amount, texture, moisture DEPOSITIONAL UNIT: outwash, till, lacustrine, muck, fill	REMARKS
0-5	NA	NA	Brown medium sand, moist	Characterized by shavings, no split spoon sample taken
5-10	5-7	6-6 7-6	Brown medium sand, moist	Characterized by shavings, suspected split spoon refusal from large cobble
10-15	10-12	2-4 3-4	Brown silty fine sand, some pebbles, moist	
15-20	15-17	2-3 2-3	Fine-medium brown sand, some silt, 1.5" clay lenses half way through sample, some pebbles, saturated	
20-25	20-22	12-15 17-18	Musky brown fine-medium sand, clay and silt varves, frequent pebbles, very dense, saturated	
25-30	25-27	50-1	Musky brown fine-medium sand	Characterized by shavings, suspected split spoon refusal from large cobble
30-34	30-32		Fine brown sand with silt and clay, saturated, shale bedrock encountered at +/- 32 feet BGS	



BORING LOG

Boring No: MW-4-17

Project Name:	<u>Padua Ridge</u>	Project No:	<u>16157</u>
Client Name:	<u>It's Greener Now, Inc.</u>	Date:	<u>4/25/2017</u>
Location:	<u>3362 NY-409, Watkins Glen, NY 14891</u>	Logged By:	<u>DTS</u>
Weather/Temp:	<u></u>	Checked By:	<u></u>

Drilling Co:	<u>Parrat-Wolff, Inc.</u>	Depth:	<u>24'</u>
Driller:	<u>Glenn</u>	Equipment:	<u></u>
Date Started:	<u>4/28/2017</u>	Method:	<u>Auger</u>
Date Ended:	<u>4/28/2017</u>	Depth/Datum:	<u>24' BGS</u>

Depth (ft)	Sample Depth	Blow Counts (per 6")	DESCRIPTIVE LOG: color, grain size and amount, texture, moisture DEPOSITIONAL UNIT: outwash, till, lacustrine, muck, fill	REMARKS
0-5	NA	NA	Sand and gravel fill for parking area, non-native	Characterized by shavings, no split spoon sample taken
5-10	5-7	3-3 5-7	Brown medium sand, some pebbles, some silt, moist, likely emplaced fill above native soil	
10-15	10-12	4-5 17-12	Musky brown clay, silt, and fine sand, some pebbles, very dense, moist	
15-20	15-17	6-12 21-31	Musky brown clay, silt, and fine sand, some pebbles, very dense, moist	
20-24	20-22	7-26 150-3	Musky brown clay, silt, and fine sand, some pebbles, shale cobble, very dense, moist. Shale bedrock encountered at 23' bgs	Sample moist but water quickly entered bore hole



TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *Padua Gravel Mine*

HOLE NO. *B 2-D*

LOCATION *Geneva*

SURF. EL.

DATE STARTED

DATE COMPLETED

JOB NO. *#08035*

2/29/08

3/3/08

GROUND WATER DEPTH
WHILE DRILLING *81'*

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

BEFORE CASING
REMOVED

C — NO. OF BLOWS TO DRIVE CASING 12" W/
"OR — % CORE RECOVERY

HAMMER FALLING

AFTER CASING
REMOVED

Geo f

CASING TYPE *H.S.A. 6 1/4 - 44'*

4" Air Hammer 44' - 100'

SHEET OF

4" B.S.P. Grouted - 44'

1 - 3

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5							
	<i>3.0 - 7.0</i>	<i>1</i>		<i>7 - 18</i>	<i>38</i>		
				<i>20 - 25</i>			
10							
	<i>10.0 - 12.0</i>	<i>2</i>		<i>5 - 17</i>	<i>48</i>		
				<i>31 - 25</i>			
15							
	<i>15.0 - 17.0</i>	<i>3</i>		<i>17 - 36</i>	<i>72</i>		
				<i>36 - 28</i>			
20							<i>20.0</i>
	<i>20.0 - 22.0</i>	<i>4</i>		<i>15 - 22</i>	<i>63</i>	<i>Brown zones wet f/c sand</i>	
				<i>31 - 29</i>		<i>Brucellite</i>	
25							<i>25</i>
	<i>25.0 - 27.0</i>	<i>5</i>		<i>5 - 8</i>	<i>24</i>	<i>Brown w/D wet f/sand</i>	
				<i>16 - 15</i>			
30							
	<i>30.0 - 32.0</i>	<i>6</i>		<i>9 - 15</i>	<i>51</i>		
				<i>16 - 23</i>			
35							
	<i>35.0 - 36.0</i>	<i>7</i>		<i>12 - 26</i>			
				<i>56/2</i>			
40							



TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *Pedwa Gravel Mine*

HOLE NO. *B-2 D*

LOCATION *Geneva*

SURF. EL.

DATE STARTED

DATE COMPLETED

2/29/08

3/3/08

JOB NO. *#08035*

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

GROUND WATER DEPTH
WHILE DRILLING *81'*

C — NO. OF BLOWS TO DRIVE CASING 12" W/
"OR — % CORE RECOVERY # HAMMER FALLING

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

CASING TYPE *ASA-664-44'* *4" Air Hammer 44'-100'*

SHEET OF

4" B.I.P. Grouted - 44'

2-3

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	<i>40.0-40.9</i>	<i>8</i>		<i>36-504</i>		<i>Gray marl D. + 11</i>	<i>42.5</i>
	<i>42.0-42.1</i>	<i>9</i>		<i>50/1</i>		<i>Top of Rock</i>	<i>44'</i>
<i>45</i>						<i>Grouted 4" B.I.P.</i>	
		<i>4"</i>				<i>45' - pipe 20 bags cement</i>	
<i>50</i>			<i>Air</i>			<i>50 lbs. bentonite</i>	
			<i>Hammer</i>				
<i>55</i>							
<i>60</i>							
<i>65</i>							
<i>70</i>							
<i>75</i>							
<i>80</i>							



TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *Padua Gravel Mine*

LOCATION *Geneva*

DATE STARTED

2/29/08

DATE COMPLETED

3/3/08

HOLE NO. *B2-D*

SURF. EL.

JOB NO. *#08035*

GROUND WATER DEPTH
WHILE DRILLING *81'*

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
% OR — % CORE RECOVERY

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

JLF

CASING TYPE *H.S.A. - 6'4" - 44'*

4" Air Hammer 44' - 100'

SHEET OF

4" B.I.P. Cased 44'

3-3

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
<i>85</i>							
<i>90</i>							
<i>95</i>							
<i>100</i>							<i>100'</i>
						<i>Installed well to 100'</i>	<i>3-3</i>
						<i>used 10' 2" to 6" shot PVC screen</i>	
						<i>92' 2" PVC riser</i>	
						<i>2 plugs</i>	
						<i>4" royer cover</i>	



TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *Pedra Gravel Mine*

LOCATION *Genesee*

DATE STARTED

3/3/08

DATE COMPLETED

3/4/08

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
% OR — % CORE RECOVERY

He for

HOLE NO. *DW-15*

SURF. EL.

JOB NO. *#08035*

GROUND WATER DEPTH
WHILE DRILLING

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

CASING TYPE *H.S.A. - 4 1/4"*

SHEET

1-3

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5							
	<i>5.0'-7.0'</i>	<i>1</i>		<i>12-16</i> <i>15-16</i>	<i>31</i>	<i>Brown Moist Dense flk Gravel</i> <i>Some Silt little flk Sand</i>	<i>8.0'</i>
10							
	<i>10.0'-12.0'</i>	<i>2</i>		<i>4-5</i> <i>5-5</i>	<i>60</i>	<i>Brown Moist loose flm Sand</i>	<i>15'</i>
15							
	<i>15.0'-17.0'</i>	<i>3</i>		<i>9-21</i> <i>18-13</i>	<i>45</i>	<i>Brown Moist Dense flk Sand base</i> <i>flm Gravel little Silt</i>	<i>20'</i>
20							
	<i>20.0'-22.0'</i>	<i>4</i>		<i>10-9</i> <i>8-12</i>	<i>17</i>	<i>Brown Moist H/Dense flk Sand and</i> <i>flm Gravel little Silt</i>	<i>25'</i>
25							
	<i>25.0'-27.0'</i>	<i>5</i>		<i>5-6</i> <i>8-8</i>	<i>14</i>	<i>Brown wet H/Dense flm Sand</i> <i>little flm Gravel Trace Silt</i>	
30							
	<i>30.0'-32.0'</i>	<i>6</i>		<i>5-6</i> <i>8-10</i>	<i>14</i>		<i>35'</i>
35							
	<i>35.0'-37.0'</i>	<i>7</i>		<i>26-34</i> <i>10-11</i>	<i>44</i>	<i>Green Moist Hard Silt and Clay</i> <i>Some fl/Sand little fl/Gravel</i>	
40							

25'
3/3



TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *Padua Gravel Mine*

LOCATION *Geneva*

DATE STARTED

3/3/08

DATE COMPLETED

3/4/08

HOLE NO. *DW-15*

SURF. EL.

JOB NO. *#08035*

GROUND WATER DEPTH
WHILE DRILLING

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
"OR — % CORE RECOVERY

100% J

CASING TYPE *H.S.A. - 4 1/4"*

SHEET OF

2-3

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
<i>45</i>	<i>40.0'-42.0'</i>	<i>8</i>		<i>20-16</i> <i>18-25</i>	<i>34</i>		<i>45</i>
<i>50</i>	<i>45.0'-47.0'</i>	<i>9</i>		<i>7-11</i> <i>16-28</i>	<i>27</i>	<i>Grey Moist M/Dense f/sand</i> <i>Some Silt Trace f/gravel.</i>	
<i>55</i>	<i>50.0'-52.0'</i>	<i>10</i>		<i>12-17</i> <i>28-35</i>	<i>45</i>		<i>55.5'</i>
<i>60</i>	<i>55.0'-55.4'</i>	<i>11</i>		<i>59</i>		<i>Grey Moist Hard Silt w. 4%</i> <i>f/gravel f/c Sand</i>	
<i>65</i>	<i>60.0'-60.3'</i>	<i>12</i>		<i>50/2</i>			
<i>70</i>	<i>65.0'-65.2'</i>	<i>13</i>		<i>50/2</i>			<i>70</i>
<i>75</i>	<i>70.0'-70.2'</i>	<i>14</i>		<i>100/2</i>		<i>Grey Dry Hard Silt Little f/gravel.</i>	
<i>80</i>	<i>75.0'-75.4'</i>	<i>15</i>		<i>30/4</i>			



TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *Paduc Gravel Pit*

HOLE NO. *DW-15*

LOCATION *Geneva*

SURF. EL.

DATE STARTED

DATE COMPLETED

JOB NO. *#08035*

3/3/08

3/4/08

GROUND WATER DEPTH
WHILE DRILLING

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

BEFORE CASING
REMOVED

C — NO. OF BLOWS TO DRIVE CASING 12" W/
"OR — % CORE RECOVERY # HAMMER FALLING

AFTER CASING
REMOVED

Ref

CASING TYPE *H.S.A. - 4 1/2"*

SHEET OF
3-3

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
85	80.0'-80.4'	16		50/4			
90	85.0'-85.4'	17		50/4			
95	90.0'-90.3'	18		50/3			93'
						<i>Brown Christ Hard Silt Trace f/Sand</i>	
100	95.0'-95.3'	19		50/3			
105	100.0'-100.5'	20		67			105'
110	105.0'-105.8'	21		57		<i>Brown Grey Moist Hard Silt l. th Clay</i>	
						<i>top of Rock? Boulder</i>	11.5'
115	110.0'-110.2'	22		100/2			112.1'
	112.0'-112.1'	23		100/1			130B
						<i>Pulled auger's back to 65' Backfilled with pec gravel to 60' Bentonite seal 60' to 56' Set well at 55.2' →</i>	

*vs
FH*

used 10' 2" 10 slot PVC screen
47.2' 2" PVC riser
2 plugs

Sand pack and bentonite seal
Back filled with pea stone



TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *Padua Gravel Mine*

LOCATION *Geneva*

DATE STARTED

3/5/08

DATE COMPLETED

3/6/08

HOLE NO. *B-35*

SURF. EL.

JOB NO. *#08035*

GROUND WATER DEPTH
WHILE DRILLING

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/
"OR — % CORE RECOVERY

HAMMER FALLING

1/2 ft per blow

CASING TYPE *P.S.A. - 4 1/4"*

SHEET OF

1-

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5							
	<i>5.0-7.0</i>	<i>1</i>		<i>9-10 9-5</i>	<i>19</i>	<i>Brown Moist Medium Fk Sand Some Fk Gravel with Silt</i>	<i>8.5'</i>
10							
	<i>10.0-12.0</i>	<i>2</i>		<i>36-12 18-10</i>	<i>30</i>	<i>Brown Moist Medium Fk Sand and Fk Gravel with Silt</i>	
15							
	<i>15.0-17.0</i>	<i>3</i>		<i>17-15 14-10</i>	<i>29</i>		<i>18.5'</i>
20							
	<i>20.0-21.4</i>	<i>4</i>		<i>36-38 50/4</i>		<i>Brown Moist Medium Fk Gravel Cobbles Some Fk Sand Silt</i>	
25							
	<i>25.0-25.4</i>	<i>5</i>		<i>50/4</i>			
30							
	<i>30.0-30.1</i>	<i>6</i>		<i>50/1</i>			
35							
	<i>35.0-35.9</i>	<i>7</i>		<i>39-50/4</i>			
40							

25'
3/5

TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *Padua Gravel Mine*

LOCATION *Geneva*

DATE STARTED

3/5/08

DATE COMPLETED

3/6/08

HOLE NO. *B-33*

SURF. EL.

JOB NO. *#08035*

GROUND WATER DEPTH
WHILE DRILLING

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
"OR — % CORE RECOVERY

He f

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

CASING TYPE *U.S.A. 4 1/4"*

SHEET OF
2 -

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
45	40.0'-42.0'	8		19-14 13-15	27	Brown wet medium flc Gravel and flc Sand some silt	45'
	45.0'-47.0'	9		5-7 11-13	18	Grey Brown wet medium flc Gravel	
55	50.0'-52.0'	10		6-9 14-10	23		
	55.0'	11					
65	60.0'-62.0'	12		22-18 19-24	47	Red Brown moist hard silt with flc Gravel little clay trace	65'
	65.0'-67.0'	13		22-26 25-38	51		
75	70.0'-71.4'	14		21-38 50/4			
	75.0'-75.4'	15		50/4		Brown moist medium flc sand and silt little fine Gravel	75'
80							



TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *Padua Gravel Mine*

HOLE NO. *B-3 S*

LOCATION

SURF. EL.

DATE STARTED

DATE COMPLETED

JOB NO. *#08035*

3/5/08

3/6/

GROUND WATER DEPTH
WHILE DRILLING

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

BEFORE CASING
REMOVED

C — NO. OF BLOWS TO DRIVE CASING 12" W/
"OR — % CORE RECOVERY # HAMMER FALLING

AFTER CASING
REMOVED

96 2

CASING TYPE *H.S.A. - 4/4"*

SHEET OF

3 - 3

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	<i>80.5' - 80.6'</i>	<i>16</i>		<i>48 - 50/1</i>			
<i>85.</i>	<i>83.5' - 83.6'</i>	<i>17</i>		<i>10/1</i>			<i>83.6'</i>
<i>90</i>						<i>Pulled augers back to 65'</i>	<i>308</i>
						<i>Backfilled hole with peastone</i>	
						<i>Bentonite seal 63' to 62'</i>	
						<i>Set well at 61'</i>	
						<i>used 10' 2" w slot pvc screen</i>	
						<i>53' 2" pvc riser</i>	
						<i>2 plugs</i>	

H2H Associates, LLC 179 River Street Troy, New York 12180 Tel. (518) 270-1620 Fax (518) 270-1672		WATER WELL INSTALLATION FORM	B-1
PROJECT: Padua Ridge Geologic Study		PROJECT NO.: 343.00	
CLIENT: It's Greener Now, Inc.		DATE DRILLED: 11/3/05 - 11/4/05	
LOCATION: Watkins Glen, New York		DATE DEVELOPED: 11/4/05	
DRILLING CONTRACTOR: Frey Well Drilling, Inc.		PURPOSE: Production Well	
INSPECTOR: Paul L. Sleasman			

Type: Water Well
 Static Water Level: X Date: X
 Measuring Point (M.P.): Top of Casing
 Total Depth of Well: 84 ft bgs
 Total Depth of Boring: 87 ft bgs

Drilling Method
 Type: Air Rotary Diameter: 6-inch
 Casing: 6 inch steel

Sampling Method
 Type: NA Diameter: NA
 Weight: NA Fall: NA
 Interval: NA

Riser Pipe Left in Place
 Material: steel Diameter: 6-inch I.D.
 Length: 82 ft Joint Type: welded

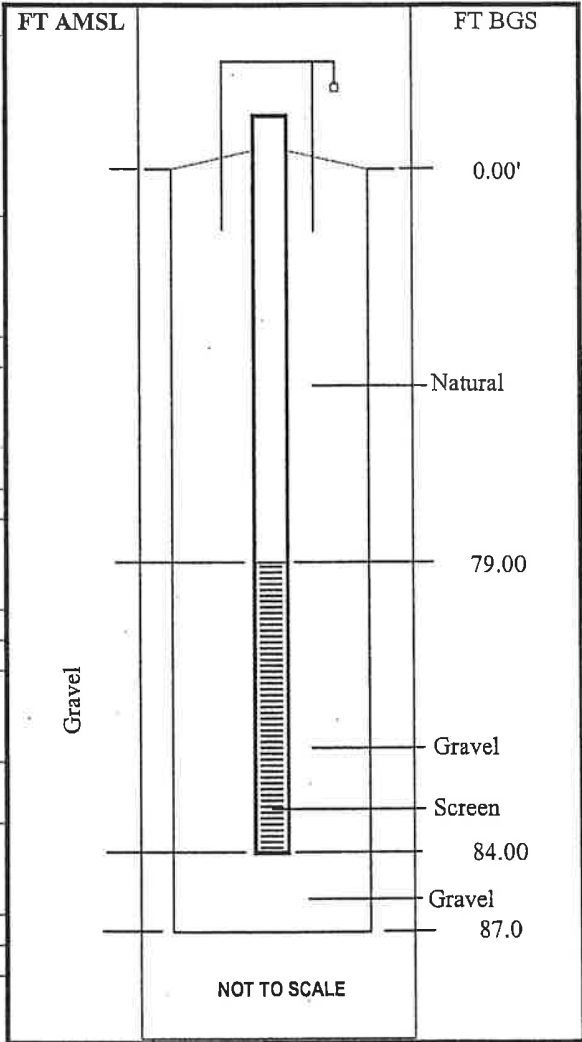
Screen
 Material: steel Diameter: 6-inch I.D.
 Slot Size: 20-slot Length: 5 feet
 Stratigraphic Unit Screened: Gravel

Filter Pack
 Sand: _____ Gravel: X Natural: _____
 Grade: 1/8 - 1/2 inch
 Amount: 5 gal buckets (3) Interval: 79-84 ft bgs

Seal(s)
 Type: _____ Interval: _____
 Type: _____ Interval: _____
 Type: _____ Interval: _____

Locking Casing: Yes No

Water Well Detail



Notes: K-Packer type screen used, 5 ft 6 in long with 5 ft screened, telescoping.

H2H Associates, LLC	179 River Street Troy, New York 12180	TEST PIT LOG	TP-A
PROJECT: Padua Ridge Geologic Study		Sheet: 1 of 1	
CLIENT: It's Greener Now, Inc.		Job No.: 343.00	
PURPOSE: Characterize Geologic Setting		Meas. Pt. Elev:	
EXCAVATION CONTRACTOR: It's Greener Now, Inc.		Ground Elev.:	
EXCAVATOR: CAT 320 L		Datum: NAD 83, NAVD 88	
GROUND WATER DEPTH: NA		Date Started: 10/31/05	
MEASURING POINT: Ground Surface		Date Finished: 10/31/05	
DATE OF MEASUREMENT: NA		Excavator: Jered Buckley	
ORIENTATION: NNE - SSW		Geologist: Paul Sleasman	

Depth (feet)	Sample	Geologic Description	Groundwater Information
0		Br Cy\$, s(+) cbbl, l bldr, l(-) cmf G; tight, moist.	No groundwater observed.
5	1	Same, turned gray.	No groundwater observed.
10			
15			
20		End of Test Pit Total Depth = 16 ft bgs No bedrock encountered. No groundwater encountered. Backfill pit with native material. GPS Coordinates: N 42° 22' 47.9" Accuracy = 24 ft. W 76° 53' 10.9"	

H2H Associates, LLC	179 River Street Troy, New York 12180	TEST PIT LOG	TP-B
PROJECT: Padua Ridge Geologic Study		Sheet: 1 of 1	
CLIENT: It's Greener Now, Inc.		Job No.: 343.00	
PURPOSE: Characterize Geologic Setting		Meas. Pt. Elev:	
EXCAVATION CONTRACTOR: It's Greener Now, Inc.		Ground Elev.:	
EXCAVATOR: CAT 320 L		Datum: NAD 83, NAVD 88	
GROUND WATER DEPTH: ~4 ft bgs		Date Started: 10/31/05	
MEASURING POINT: Ground Surface		Date Finished: 10/31/05	
DATE OF MEASUREMENT: NA		Excavator: Jered Buckley	
ORIENTATION: NNE - SSW		Geologist: Paul Sleasman	

Depth (feet)	Sample	Geologic Description	Groundwater Information
0		Br f S, s cbbl, s bldr, l cmf G, t \$; loose, dry.	No Groundwater Observed.
		} Road Base	
		Cbbl, l br f S, l bldr, t \$; loose, dry - moist.	Groundwater seep observed at SSE side, ~4 ft bgs.
10	1	Dkbr Cy\$, s(+) cbbl, l bldr, l cmf G, t(+) mf S; tight, moist.	Moist.
16		End of Test Pit Total Depth = 16 ft bgs No bedrock encountered. Groundwater encountered ~4 ft bgs. Backfill pit with native material.	
20		GPS Coordinates: N 42° 22' 46.0" W 76° 53' 9.70" Accuracy = 11 ft. Located ~200 ft south of TP-A off east side of access road.	

H2H Associates, LLC	179 River Street Troy, New York 12180	TEST PIT LOG	TP-C
PROJECT: Padua Ridge Geologic Study			Sheet: 1 of 1
CLIENT: It's Greener Now, Inc.			Job No.: 343.00
PURPOSE: Characterize Geologic Setting			Meas. Pt. Elev:
EXCAVATION CONTRACTOR: It's Greener Now, Inc.			Ground Elev.:
EXCAVATOR: CAT 320 L			Datum: NAD 83, NAVD 88
GROUND WATER DEPTH: -5 ft bgs			Date Started: 10/31/05
MEASURING POINT: Ground Surface			Date Finished: 10/31/05
DATE OF MEASUREMENT: NA			Excavator: Jered Buckley
ORIENTATION: N-S			Geologist: Paul Sleasman

Depth (feet)	Sample	Geologic Description	Groundwater Information
5		cmf cbbl, s br mf S, s cmf G, l bldr, t \$; loose.	Damp - moist
		Br mf(+) S, s cmf cbbl, s cmf G, l bldr, t \$; loose.	Damp - moist
		Dkbr Cy\$, l mf G, t f S; tight.	Groundwater seep observed at W side, -5 ft bgs.
10	1	Br cmf S, s(+) cmf G, l(-) cbbl, t \$; v. loose.	Groundwater seep washing away west wall.
		End of Test Pit Total Depth = 16 ft bgs No bedrock encountered. Groundwater encountered -5 ft bgs. Backfill pit with native material. GPS Coordinates: N 42° 22' 43.7" Accuracy = 12 ft. W 76° 53' 9.50" Located ~200 ft south of TP-B off west side of access road.	
15			
20			

H2H Associates, LLC		179 River Street Troy, New York 12180	TEST PIT LOG	TP-D
PROJECT: Padua Ridge Geologic Study			Sheet: 1 of 1	
CLIENT: It's Greener Now, Inc.			Job No.: 343.00	
PURPOSE: Characterize Geologic Setting			Meas. Pt. Elev:	
EXCAVATION CONTRACTOR: It's Greener Now, Inc.			Ground Elev.:	
EXCAVATOR: CAT 320 L			Datum: NAD 83, NAVD 88	
GROUND WATER DEPTH: NA			Date Started: 10/31/05	
MEASURING POINT: Ground Surface			Date Finished: 10/31/05	
DATE OF MEASUREMENT: NA			Excavator: Jered Buckley	
ORIENTATION: NNW - SSE			Geologist: Paul Sleasman	
Depth (feet)	Sample	Geologic Description	Groundwater Information	
5	1	Br cmf(+) S, s(-) cbbl, s(-) cmf G, l bldr, t(+) \$, loose.	Damp	
10		Same, dark brown.	Moist	
15				
20		End of Test Pit Total Depth = 16 ft bgs No bedrock encountered. No groundwater encountered. Backfill pit with native material. GPS Coordinates: N 42° 22' 41.10" W 76° 53' 7.70" Accuracy = 10 ft. Located ~200 ft south of TP-C off east side of access road.		

H2H Associates, LLC	179 River Street Troy, New York 12180	TEST PIT LOG	TP-E
PROJECT: Padua Ridge Geologic Study		Sheet: 1 of 1	
CLIENT: It's Greener Now, Inc.		Job No.: 343.00	
PURPOSE: Characterize Geologic Setting		Meas. Pt. Elev:	
EXCAVATION CONTRACTOR: It's Greener Now, Inc.		Ground Elev.:	
EXCAVATOR: CAT 320 L		Datum: NAD 83, NAVD 88	
GROUND WATER DEPTH: NA		Date Started: 10/31/05	
MEASURING POINT: Ground Surface		Date Finished: 10/31/05	
DATE OF MEASUREMENT: NA		Excavator: Jered Buckley	
ORIENTATION: NNW - SSE		Geologist: Paul Sleasman	

Depth (feet)	Sample	Geologic Description	Groundwater Information
		Dkbr f S, s cmf G, t cbbl, t \$; loose.	Damp
		Cbbl, s br m S, l cmf G; loose.	Dry - damp
5			
	1		
10		Br cmf(+) S, s cmf G, s cbbl; loose.	Dry - damp
15			
20		<p>End of Test Pit Total Depth = 16 ft bgs No bedrock encountered. No groundwater encountered. Backfill pit with native material.</p> <p>GPS Coordinates: N 42° 22' 39.6" W 76° 53' 5.90" Accuracy = 20 ft.</p> <p>Located ~200 ft south of TP-D off east side of access road.</p>	

H2H Associates, LLC	179 River Street Troy, New York 12180	TEST PIT LOG	TP-F
PROJECT: Padua Ridge Geologic Study			Sheet: 1 of 1
CLIENT: It's Greener Now, Inc.			Job No.: 343.00
PURPOSE: Characterize Geologic Setting			Meas. Pt. Elev:
EXCAVATION CONTRACTOR: It's Greener Now, Inc.			Ground Elev.:
EXCAVATOR: CAT 320 L			Datum: NAD 83, NAVD 88
GROUND WATER DEPTH: NA			Date Started: 10/31/05
MEASURING POINT: Ground Surface			Date Finished: 10/31/05
DATE OF MEASUREMENT: NA			Excavator: Jered Buckley
ORIENTATION: N-S			Geologist: Paul Sleasman

Depth (feet)	Sample	Geologic Description	Groundwater Information
5	1	Br cmf S, s(+) cmf G, l cbbl, loose.	Damp - moist
10			
15			
20		<p>End of Test Pit Total Depth = 16 ft bgs No bedrock encountered. No groundwater encountered. Backfill pit with native material.</p> <p>GPS Coordinates: N 42° 22' 37.7" Accuracy = 18 ft. W 76° 53' 3.10"</p> <p>Located ~200 ft SSE of TP-E off west side of access road (directly across intersection).</p>	

H2H Associates, LLC	179 River Street Troy, New York 12180	TEST PIT LOG	TP-G
PROJECT: Padua Ridge Geologic Study			Sheet: 1 of 1
CLIENT: It's Greener Now, Inc.			Job No.: 343.00
PURPOSE: Characterize Geologic Setting			Meas. Pt. Elev.:
EXCAVATION CONTRACTOR: It's Greener Now, Inc.			Ground Elev.:
EXCAVATOR: CAT 320 L			Datum: NAD 83, NAVD 88
GROUND WATER DEPTH: NA			Date Started: 11/1/05
MEASURING POINT: Ground Surface			Date Finished: 11/1/05
DATE OF MEASUREMENT: NA			Excavator: Jered Buckley
ORIENTATION: NE-SW			Geologist: Paul Sleasman

Depth (feet)	Sample	Geologic Description	Groundwater Information
0		Br cmf S, a(-) cmf G, l(+) mf cbbl, moderately loose.	Moist
		Increased cobble content.	Moist
10	1	Br cmf S, a(-) cmf G, l(+) mf cbbl, moderately loose.	Moist
15			
20		End of Test Pit Total Depth = 16 ft bgs No bedrock encountered. No groundwater encountered. Backfill pit with native material. GPS Coordinates: N 42° 22' 45.8" Accuracy = 8 ft. W 76° 53' 15.2" Located ~200 ft SW of pond near office. Good material.	

N2H Associates, LLC	179 River Street Troy, New York 12180	TEST PIT LOG	TP-H
PROJECT: Padua Ridge Geologic Study		Sheet: 1 of 1	
CLIENT: It's Greener Now, Inc.		Job No.: 343.00	
PURPOSE: Characterize Geologic Setting		Meas. Pt. Elev:	
EXCAVATION CONTRACTOR: It's Greener Now, Inc.		Ground Elev.:	
EXCAVATOR: CAT 320 L		Datum: NAD 83, NAVD 88	
GROUND WATER DEPTH: ~7 ft bgs		Date Started: 11/1/05	
MEASURING POINT: Ground Surface		Date Finished: 11/1/05	
DATE OF MEASUREMENT: NA		Excavator: Jered Buckley	
ORIENTATION: N-S		Geologist: Paul Sleasman	

Depth (feet)	Sample	Geologic Description	Groundwater Information
		Br cmf S, s(-) cmf G, s(-) cbbl, t \$; moderately loose to loose.	Moist
		Increased gravel and cobble content.	Moist
5	1		-7 ft bgs - near wet
10		Br cmf S, s(-) cmf G, s(-) cbbl, t \$; moderately loose to loose.	
16			
20		End of Test Pit Total Depth = 16 ft bgs No bedrock encountered. Groundwater possible at ~7 ft bgs. Backfill pit with native material. GPS Coordinates: N 42° 22' 44.7" W 76° 53' 15.3" Accuracy = 8 ft. Located ~100 ft S of TP-G. Good material.	

H2H Associates, LLC	179 River Street Troy, New York 12180	TEST PIT LOG	TP-I
PROJECT: Padua Ridge Geologic Study		Sheet: 1 of 1	
CLIENT: It's Greener Now, Inc.		Job No.: 343.00	
PURPOSE: Characterize Geologic Setting		Meas. Pt. Elev.:	
EXCAVATION CONTRACTOR: It's Greener Now, Inc.		Ground Elev.:	
EXCAVATOR: CAT 320 L		Datum: NAD 83, NAVD 88	
GROUND WATER DEPTH: ~7 ft bgs		Date Started: 11/1/05	
MEASURING POINT: Ground Surface		Date Finished: 11/1/05	
DATE OF MEASUREMENT: NA		Excavator: Jered Buckley	
ORIENTATION: N-S		Geologist: Paul Sleasman	

Depth (feet)	Sample	Geologic Description	Groundwater Information
0	1	Br cmf S, s cmf G, s mf cbbl, moderately loose to loose.	Damp ~4.5 ft bgs - moist
		Increased cobble content.	Moist
10		Br cmf S, s cmf G, s mf cbbl, moderately loose to loose.	Moist
		Increased cobble content.	Moist
15		Br cmf S, s cmf G, s mf cbbl, moderately loose to loose.	Moist
20		End of Test Pit Total Depth = 16 ft bgs No bedrock encountered. No groundwater encountered. Backfill pit with native material. GPS Coordinates: N 42° 22' 43.1" Accuracy = 35 ft. W 76° 53' 12.7" Located ~100 ft S of TP-G. Good material.	

H2H Associates, LLC 179 River Street Troy, New York 12180 ph: 518.270-1620 fx: 518.270-1672			Test Boring Log			Boring No. B-1	
PROJECT: Padua Ridge Geologic Study					Sheet 1 of 4		
CLIENT: It's Greener Now, Inc.					Job No. 343.00		
DRILLING CONTRACTOR: Frey Well Drilling, Inc.					Meas. Pt Elev: XXX		
PURPOSE: Characterize Geologic Setting					Ground Elev: XXX		
DRILLING METHOD: Air Rotary				SAMPLE	CORE	CASING	Datum: NAD 83, NAVD 88
DRILL RIG TYPE: Foremost D-12			TYPE	chips		Steel	Date Started: 11/3/05
GROUNDWATER DEPTH: 49 ft & Rising			DIAM.			6 inch	Date Finished: 11/4/05
MEASURING POINT: Top of Casing			WEIGHT				Driller: Bill Frey
DATE OF MEASUREMENT: 11:15 11/4/05			FALL				Inspector: Paul Sleasman
Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description		Remarks
5	1		NA		Br f S, s \$, l c(+)mf G; subangular, damp.		
10					12': Gravel Encountered.		
15	2		NA		15': Br f S, a(-) c(+)mf G, l(-) \$; wet, subrounded.		
20					20': Gr c(+)mf G, l(-) \$, t f S; wet, subangular.		

H2H Associates, LLC

179 River Street
 Troy, New York 12180
 ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. B-1

PROJECT: Padua Ridge Geologic Study

CLIENT: It's Greener Now, Inc.

LOCATION: Watkins Glen, NY

Sheet 2 of 4

Job No. 343.00

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
25	3		NA		Same.	Moderate increase in variety of gravel types, with gray remaining dominant.
30	4		NA		Gr c(+)mf G, l(+) cmf S, l \$; wet.	Continued increase in other varieties of gravel.
40	5		NA		43'-48': Gr \$yC.	
45						

H2H Associates, LLC

179 River Street
Troy, New York 12180
ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. B-1

PROJECT: Padua Ridge Geologic Study

CLIENT: It's Greener Now, Inc.

LOCATION: Watkins Glen, NY

Sheet 3 of 4

Job No. 343.00

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
50	5 (cont)		NA		Gr c(+)mf G, s c(+)mf S, t(+) Cy\$; , subangular, wet.	
55	6		NA		Gr cmf G, l(-) \$; subangular - angular, wet.	
65	7		NA		65': Gr cmf G, s Cy\$; subangular - angular, wet.	11/4/2005
70	8		NA		Gr cmf G, l(-) Gr \$, subangular - angular, wet.	

H2H Associates, LLC

179 River Street
Troy, New York 12180
ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. B-1

PROJECT: Padua Ridge Geologic Study

CLIENT: It's Greener Now, Inc.

LOCATION: Watkins Glen, NY

Sheet 4 of 4

Job No. 343.00

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
75	9		NA		71': Br \$yC; wet. 75': Br \$yC, l f S, l cmf G; subangular 76': Broken grey rock, rounded edges, flat, iron stained, producing ~10 gpm, highest yield and best overall quality seen at site during investigation. Boring is located almost directly upgradient of TP-C. 80': Same, iron stained shale gravel.	Duane (driller, 40+ years) calls it Beach Gravel, find it on benches above lake, seen just before bedrock.
80						
85					86' : BEDROCK, Gray Shale.	
90					End of Boring. Total Depth = 87.0 ft bgs Depth to Water Measurements: 52 ft btoc @ 10:40 49 ft btoc @ 11:15 GPS Coordinates: N 42° 22' 41.7" Accuracy = 9 ft. W 76° 53' 11.1"	Convert boring to water well, see Well Construction Log for details.
95						

H2H Associates, LLC

179 River Street
Troy, New York 12180
ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. B-2

PROJECT: Padua Ridge Geologic Study					Sheet 1 of 4
CLIENT: It's Greener Now, Inc.					Job No. 343.00
DRILLING CONTRACTOR: Frey Well Drilling, Inc.					Meas. Pt Elev: XXX
PURPOSE: Characterize Geologic Setting					Ground Elev: XXX
DRILLING METHOD: Air Rotary			SAMPLE	CORE	CASING
DRILL RIG TYPE: Foremost D-12			TYPE	chips	Steel
GROUNDWATER DEPTH: X			DIAM.		6 inch
MEASURING POINT: Top of Casing			WEIGHT		Driller: Bill Frey
DATE OF MEASUREMENT: X			FALL		Inspector: Paul Sleasman

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
5	1		NA			
10					Br cmf S, cmf G; subrounded, wet.	
15	2		NA			
20					Br Cy\$, s cmf G; subrounded, wet.	

H2H Associates, LLC

179 River Street
Troy, New York 12180
ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. B-2

PROJECT: Padua Ridge Geologic Study

CLIENT: It's Greener Now, Inc.

LOCATION: Watkins Glen, NY

Sheet 2 of 2

Job No. 343.00

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
25	3		NA		Same. 29': Br \$yC, l(-) cmf G, wet.	
30						
35	4		NA		Same. 34': Gr \$yC.	
40						
	5				Same. 42': Br \$yC, l cmf G; angular, flat. 42.5': BEDROCK, Gray Shale. 43.5': Same.	GPS Coordinates: N 42° 22' 32.7" W 76° 52' 57.9" Accuracy = 20 ft.
45					End of Boring. Total Depth = 43.5 ft	

H2H Associates, LLC

179 River Street
Troy, New York 12180
ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. EW-1

PROJECT: Padua Ridge Geologic Study				Sheet 1 of 7	
CLIENT: It's Greener Now, Inc.				Job No. 343.00	
DRILLING CONTRACTOR: Frey Well Drilling, Inc.				Meas. Pt Elev: XXX	
PURPOSE: Characterize Geologic Setting				Ground Elev: XXX	
DRILLING METHOD: Air Rotary		SAMPLE	CORE	CASING	Datum: NAD 83, NAVD 88
DRILL RIG TYPE: Foremost D-12		TYPE	chips	Steel	Date Started: 11/3/05
GROUNDWATER DEPTH: X		DIAM.		6 inch	Date Finished: 11/3/05
MEASURING POINT: Top of Casing		WEIGHT			Driller: Bill Frey
DATE OF MEASUREMENT: X		FALL			Inspector: Paul Sleasman

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
5	1		NA		Br Cy\$; damp.	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15	2		NA		Br cmf(+) S, a cmf G, t \$; subangular subrounded, dry - damp.	10-20 ft: Good Gravel
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						

H2H Associates, LLC

179 River Street
 Troy, New York 12180
 ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. EW-1

PROJECT: Padua Ridge Geologic Study

Sheet 2 of 7

CLIENT: It's Greener Now, Inc.

Job No. 343.00

LOCATION: Watkins Glen, NY

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
25	3		NA			22': Wet
30					Br \$, l mf S, l c(+)mf G, l f Cbl; subangular, wet.	
35	4		NA		35-37': Gr \$yC.	
40					37-40': Gr c(+)mf G (weathered shale).	
45	5		NA		Grbr \$yC.	

H2H Associates, LLC

179 River Street
Troy, New York 12180
ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. EW-1

PROJECT: Padua Ridge Geologic Study

Sheet 3 of 7

CLIENT: It's Greener Now, Inc.

Job No. 343.00

LOCATION: Watkins Glen, NY

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
50	5 (cont)		NA		Grbr \$yC.	
55	6		NA		56': Gr G.	
60	7		NA		Gr Cy\$, a cmf G, f cbbl; subangular.	
70						

H2H Associates, LLC

179 River Street
 Troy, New York 12180
 ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. EW-1

PROJECT: Padua Ridge Geologic Study

Sheet 4 of 7

CLIENT: It's Greener Now, Inc.

Job No. 343.00

LOCATION: Watkins Glen, NY

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
75	8		NA			
80					Gr cmf(+) G, l(+) Cy\$; subangular, wet.	
85	9		NA			
90					Gr Cy\$, a cmf G; angular - subangular, wet.	
95	10		NA			
					92': Gray weathered shale.	

H2H Associates, LLC

179 River Street
 Troy, New York 12180
 ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. EW-1

PROJECT: Padua Ridge Geologic Study

Sheet 5 of 7

CLIENT: It's Greener Now, Inc.

Job No. 343.00

LOCATION: Watkins Glen, NY

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
98	10 (cont)		NA		98': Gray shale.	
100						
105					Not Sampled.	
110						
115	11		NA			
120					Gr shale, s Cy\$; wet.	

H2H Associates, LLC

179 River Street
Troy, New York 12180
ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. EW-1

PROJECT: Padua Ridge Geologic Study

CLIENT: It's Greener Now, Inc.

LOCATION: Watkins Glen, NY

Sheet 6 of 7

Job No. 343.00

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
125	12		NA		Gray shale with clay laminations; wet.	
130						
135	13		NA		Gray SHALE; wet.	Bedrock
140						
145	14		NA		Same.	Bedrock

H2H Associates, LLC

179 River Street
 Troy, New York 12180
 ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. EW-1

PROJECT: Padua Ridge Geologic Study

Sheet 7 of 7

CLIENT: It's Greener Now, Inc.

Job No. 343.00

LOCATION: Watkins Glen, NY

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
150	14 (cont)				Gray SHALE,; wet.	Bedrock
155	15				Same.	Bedrock
160					End of Boring. Total depth = 160 ft bgs. No real water encountered, estimated maximum of 1 gpm, wetness on the way down believed to be from sand and gravel above.	
165					GPS Coordinates: N 42° 22' 34.6" Accuracy = 17 ft. W 76° 53' 14.1"	
170						

H2H Associates, LLC 179 River Street Troy, New York 12180 ph: 518.270-1620 fx: 518.270-1672			Test Boring Log			Boring No. EW-2	
PROJECT: Padua Ridge Geologic Study					Sheet 1 of 10		
CLIENT: It's Greener Now, Inc.					Job No. 343.00		
DRILLING CONTRACTOR: Frey Well Drilling, Inc.					Meas. Pt Elev: XXX		
PURPOSE: Characterize Geologic Setting					Ground Elev: XXX		
DRILLING METHOD: Air Rotary				SAMPLE	CORE	CASING	Datum: NAD 83, NAVD 88
DRILL RIG TYPE: Foremost D-12			TYPE	chips		Steel	Date Started: 11/2/05
GROUNDWATER DEPTH: X			DIAM.			6 inch	Date Finished: 11/2/05
MEASURING POINT: Top of Casing			WEIGHT				Driller: Bill Frey
DATE OF MEASUREMENT: X			FALL				Inspector: Paul Sleasman
Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description		Remarks
5	1		NA		Dkbr f S, a(+) cmf G, l(+) \$; angular, moist.		
10	2		NA		Ltbr f(+)m S, a cmf G, t \$; angular - subangular, dry.		
15	3		NA		Br \$, a(-) cmf G, l cmf S; angular, wet.		Adding water @ 20' bgs for dust control.
20							

H2H Associates, LLC

179 River Street
 Troy, New York 12180
 ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. EW-2

PROJECT: Padua Ridge Geologic Study

Sheet 2 of 10

CLIENT: It's Greener Now, Inc.

Job No. 343.00

LOCATION: Watkins Glen, NY

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
25	3 (cont)		NA		Br \$, a(-) cmf G, l cmf S; angular, wet.	
26						
27						
28						
30			NA		Not Sampled.	
31						
32						
33						
34						
35						
36						
37						
40	4		NA			
41						
42						
43						
44						
45					cmf G, Br s \$, l mf(+) S; angular, wet.	

H2H Associates, LLC

179 River Street
 Troy, New York 12180
 ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. EW-2

PROJECT: Padua Ridge Geologic Study

Sheet 3 of 10

CLIENT: It's Greener Now, Inc.

Job No. 343.00

LOCATION: Watkins Glen, NY

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
50	5		NA		Same.	
55	6		NA		56-58': Br \$yC; wet.	
60	7		NA		58-64.5': c(+)mf G, s shale chips; wet.	
65	8		NA		Gray SHALE.	
70	9		NA		Gray SHALE, a Brgr \$yC; soft, weathered shale, wet.	

H2H Associates, LLC

179 River Street
 Troy, New York 12180
 ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. EW-2

PROJECT: Padua Ridge Geologic Study

.Sheet 4 of 10

CLIENT: It's Greener Now, Inc.

Job No. 343.00

LOCATION: Watkins Glen, NY

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
75	9 (cont)		NA		Gray SHALE, a Brgr \$yC; soft, weathered shale, wet.	70-80': Weathered shale and clay laminations, casing and rods sinking down under their own weight, encounter a little water and a variety of gravel types (granites, sandstones, limestones, ect.).
80	10		NA		Grbr C, a cmf G; wet.	
85						
90	11		NA		Same.	
95						

H2H Associates, LLC

179 River Street
 Troy, New York 12180
 ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. EW-2

PROJECT: Padua Ridge Geologic Study

Sheet 5 of 10

CLIENT: It's Greener Now, Inc.

Job No. 343.00

LOCATION: Watkins Glen, NY

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
100	12		NA		Same, increase in shale gravel.	
105	13		NA		Same, back to even mix of gravel types.	
110	14		NA		Same, abundant white quartz sandstone gravel.	
115	15		NA		Same, back to even mix of gravel types.	
120						

H2H Associates, LLC

179 River Street
 Troy, New York 12180
 ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. EW-2

PROJECT: Padua Ridge Geologic Study

Sheet 6 of 10

CLIENT: It's Greener Now, Inc.

Job No. 343.00

LOCATION: Watkins Glen, NY

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
125	15 (cont)		NA		Same.	
130	16		NA		Same.	
135		16				NA
140	16			NA		
145		17			NA	

H2H Associates, LLC

179 River Street
 Troy, New York 12180
 ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. EW-2

PROJECT: Padua Ridge Geologic Study

Sheet 7 of 10

CLIENT: It's Greener Now, Inc.

Job No. 343.00

LOCATION: Watkins Glen, NY

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
150	18		NA		Gray SHALE, very little water.	Install 6" steel casing to 148 ft bgs Bedrock
155	19		NA		Same.	Bedrock
160	20		NA		Same.	Bedrock
165						
170						

H2H Associates, LLC

179 River Street
Troy, New York 12180
ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. EW-2

PROJECT: Padua Ridge Geologic Study

Sheet 8 of 10

CLIENT: It's Greener Now, Inc.

Job No. 343.00

LOCATION: Watkins Glen, NY

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
175	20 (cont)		NA		Gray SHALE.	Bedrock
180						
185						
190	21		NA		Same.	Some very turbid gray water encountered at 180 ft bgs (~3 gpm). Driller (Bill Frey) says it feels like a clay seam.
195						Bedrock

H2H Associates, LLC

179 River Street
 Troy, New York 12180
 ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. EW-2

PROJECT: Padua Ridge Geologic Study

Sheet 9 of 10

CLIENT: It's Greener Now, Inc.

Job No. 343.00

LOCATION: Watkins Glen, NY

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
200	22		NA		Gray SHALE.	Bedrock
205						
210	23		NA		Same.	Bedrock
215						
220						

H2H Associates, LLC

179 River Street
 Troy, New York 12180
 ph: 518.270-1620 fx: 518.270-1672

Test Boring Log

Boring No. EW-2

PROJECT: Padua Ridge Geologic Study

Sheet 10 of 10

CLIENT: It's Greener Now, Inc.

Job No. 343.00

LOCATION: Watkins Glen, NY

Depth (feet)	Sample Number	Time	Penetration Rate	Graphic Log	Geologic Description	Remarks
225	24		NA		Same.	Bedrock
230						
235						
240					End of Boring	Not much water, attempt to hydrofracture by pressurizing entire length of boring, develop for ~15-20 minutes, end up with ~5_ gpm.
					Total Depth = 240 ft bgs	
					GPS Coordinates:	
					N 42° 22' 37.8" Accuracy = 9 ft.	
245					W 76° 53' 10.7"	

ATTACHMENT E

GROUNDWATER WELL DATA SUMMARY AND GROUNDWATER DATA (ON CD)

TABLE 1 - GROUNDWATER WELL DATA SUMMARY

Well ID	Average GW Height (GW Gradient Maps in dEIS)	Ground Water Elevation Seasonal High (ft)	Groundwater Elevation (ft) Seasonal Low	Ground Elevation (ft)
MW-1-17	888.6	889.8	886.421	972.3
MW-2-17	814.3	810.0	808.335	896.0
MW-3-17	838.7	838.6	837.955	839.2
MW-4-17	849.7	849.1	841.1	863.0
MW-5-17	867.2	866.8	864.04	873.7
EW-1S	947.8	948.6	947.995	971.5
EW-1D	946.8	946.7	946.019	971.8
EW-2D	913.5	915.0	914.223	985.1
B-1S	911.8	912.5	911.384	940.4
B-2D	858.5	857.9	856.194	871.9

ATTACHMENT F

UPDATED MINING MAPS AND FORMS

Division of Mineral Resources
MINING PERMIT APPLICATION



Department of
**Environmental
 Conservation**

1. a. MINE FILE NUMBER 80244		1. b. DEC ID NUMBER 8-4424-00006/00001		7. MINED LAND PROJECT	
2. NAME OF APPLICANT It's Greener Now, Inc.				a. Will the total acreage affected by mining for the entire mining site be equal to or greater than 5 acres? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
3. TELEPHONE NUMBER (607)-535-5525				b. Will the vertical depth from the top of the mine face to the floor exceed 20 feet? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
4. PERMANENT ADDRESS: NUMBER & STREET NAME 3362 Route 409				c. Will there be on-site processing of mining products (eg. crushing, screening, washing) that requires an air permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
CITY Watkins Glen		STATE NY		d. Will mining occur within 100 feet of a surface water body (eg. stream, lake) or wetland area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
ZIP CODE 14891				e. Will any consolidated materials be mined (eg. limestone, trap rock, sandstone)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. CONTACT PERSON Martin Wojcik		6. a. TELEPHONE NUMBER (607) 535-5525		f. Will mining occur within 500 feet of any dwelling? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
6. b. EMAIL ADDRESS paduaridge@yahoo.com				g. Will mining ever occur below the water table? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8. TAXPAYER ID (If other than individual, provide Federal Taxpayer ID Number) 22-3768058				9. APPLICATION TYPE <input type="checkbox"/> New <input type="checkbox"/> Renewal <input checked="" type="checkbox"/> Modification <input type="checkbox"/> Transfer	
10. a. PRESENT PERMIT TERM Expiration Date 10 / 24 / 2022		10. b. COMING PERMIT TERM <input checked="" type="checkbox"/> 5 years <input type="checkbox"/> Other ___ years		11. NAME OF MINERAL/MATERIAL TO BE MINED Sand & Gravel	
12. LOCAL ORDINANCES a. Is mining prohibited at this location? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				12. b. Does the local government require any type of permit for mining at this location? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
13. a. ARE ANY OTHER STATE MINING PERMITS CURRENTLY HELD BY THE APPLICANT? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				13. b. If YES, give Mine File Number(s)	
14. Has any owner, partner, corporate officer or corporate director of your organization ever held any of these positions in another organization that has had a New York State mining permit SUSPENDED OR REVOKED or has had a New York State mined land reclamation bond FORFEITED ? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, identify the person(s)					
15. ACREAGE SUMMARY (To be filled in by applicant)				FOR OFFICIAL DEC USE ONLY	
a. Total acreage controlled by owner at this location				_____ acres	
b. Total acreage permitted by DEC prior to this application				14.33 acres	
c. Total acreage affected since April 1, 1975				14.33 acres	
d. Total acreage approved by DEC as reclaimed since April 1, 1975				0.00 acres	
e. Current affected acreage (c minus d)				14.33 acres	
f. Acreage included in this application, but not previously approved				60.95 acres	
g. New acreage to be affected during the coming permit term				12.49 acres	
h. Number of acres to be reclaimed during coming permit term				0.00 acres	
16. NAME OF MINING OPERATION <u>Padua Ridge Gravel Mine</u>					
17. MINE LOCATION			18. MAP LOCATION		
Road <u>NYS Route 409</u>			a. Quadrangle Name <u>Readin Center</u>		
Nearest Road Intersection <u>Division Street</u>			b. <input type="checkbox"/> 15 minute <input checked="" type="checkbox"/> 7 1/2 minute		
Town <u>DIX</u>			FOR OFFICIAL DEC USE ONLY		
County <u>Schuyler</u>			LATITUDE: _____ LONGITUDE: _____ NAD 83		
19. NAME AND ADDRESS OF SURFACE LANDOWNER(S) It's Greener Now, Inc. 3362 Route 409 Watkins Glen, NY 14891			20. NAME AND ADDRESS OF MINERAL OWNER(S) It's Greener Now, Inc. 3362 Route 409 Watkins Glen, NY 14891		
21. The surface landowner(s) and the mineral owner(s) of the property that is to be mined by the above applicant have read the Mined Land Use Plan, which sets forth the applicant's mining and reclamation plan for the property to be mined, and hereby irrevocably consent and agree to the performance of the Mined Land Use Plan by the applicant, his surety or insurer, or the NYS Department of Environmental Conservation. The surface landowner(s) and mineral owner(s) further agree to allow access to the property to Department personnel for the purpose of conducting inspections or investigations in the regular course of their duties.					
SIGNATURE(S) OF SURFACE LANDOWNER(S)		DATE	SIGNATURE(S) OF MINERAL OWNER(S)		DATE
<i>[Signature]</i>		9/14/21	<i>[Signature]</i>		9/14/21
22. I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.					
NAME, TITLE AND SIGNATURE OF APPLICANT OR AUTHORIZED REPRESENTATIVE					DATE
<i>[Signature]</i>					

MINING PERMIT APPLICATION INSTRUCTIONS

PLEASE TYPE OR PRINT CLEARLY

Submit 3 copies of this form. Answer all questions completely and accurately. Incomplete forms are unacceptable and will be returned.

If you have any questions regarding this form, contact the Mined Land Reclamation Specialist for the region in which the mine is or will be located (see map on the reverse side of this instruction sheet).

Submit your entire application package to the **Regional Permit Administrator** for the region in which the mine is or will be located (see map on reverse side).

SPECIFIC INSTRUCTIONS:

- Question 1a & b In "a", if the property has previously been included in a mining permit or application, enter the five digit Mine File Number and in "b", enter the DEC ID number, which is a ten digit number (e.g. 0-0000-00000).
- Question 2 Enter the name of the applicant.
- Questions 3 & 4 Enter the telephone number and permanent address of the applicant (e.g. Corporation, Partnership, L.L.C.).
- Question 5 Provide the name of a contact person.
- Questions 6a & b In "a", provide a telephone number and in "b", an email address of a contact person.
- Question 7 Answer questions "a" through "g" to assist DEC in determining the application's classification under Uniform Procedures Part 621. For renewal applications, this question may be left blank.
- Question 8 If the applicant is other than an individual person (eg. a corporation, partnership or sole proprietorship), enter the taxpayer ID number.
- Question 9 Check the appropriate box/boxes. If you are modifying your application at the time of renewal, check both the renewal and modification boxes. If you are transferring your permit, check transfer and modification.
- Question 10 In "a", enter the expiration date of your current permit. In "b", indicate the permit term for which you are applying.
- Question 11 Provide the name of the mineral/material to be mined (eg. sand and gravel, shale, limestone, clay, sandstone).
- Questions 12a & b Check the correct boxes regarding local laws, ordinances and permits. For renewals, this question may be left blank.
- Questions 13a & b Provide the mine file numbers of all mining permits currently held by the applicant (attach additional sheets, if necessary).
- Question 14 Give the history of permit suspensions, revocations, and bond forfeitures by persons in your organization. Use additional sheets of paper, if necessary.
- Question 15 Enter acreage figures. To determine acreage, "Affected" means the area of land from which overburden or a mineral is to be or has been removed or upon which refuse or spoil is to be or has been deposited; or lands disturbed by the construction or improvement of haulageways; or lands disturbed by storage areas, repair areas, shipping areas and areas in which equipment, machinery, tools or other personal property is situated. "Affected" land also includes any land disturbed by improper mining practices. If land was permitted to be mined in the current permit term, but has not yet been disturbed, include this in the acreage "affected".
- 15a Enter the total number of acres owned or controlled by the landowner at this location.
- 15b If this is a renewal or modification application, enter the total acreage previously reviewed and approved as part of the DEC's Life of Mine review (total number of acres of mineral reserves that will be mined over the duration of mining at that location) as indicated in the Mined Land Use Plan. For a new application, enter 0 acres.
- 15c Enter the number of acres "affected" at this site from April 1, 1975 to the present.
- 15d Enter the number of acres formally approved by DEC as having been reclaimed.
- 15e Subtract the number in "d" from the number in "c" to determine the currently "affected" acreage.
- 15f If this application includes acreage not previously reviewed and approved by DEC (Life of Mine review), enter the number of acres here.
- 15g Enter the number of additional acres (do not include acreage listed in question "e") proposed to be "affected" during the coming permit term (this may or may not include all, or a portion of, the area identified in question "f").
- 15h Enter the number of acres you expect to reclaim during the coming permit term.

* Acreage from 15e and 15g represent the total amount of "affected" acreage for the coming permit term, upon which the annual regulatory fees and reclamation bond will be calculated.

PART 420 MINING APPLICATION INSTRUCTIONS CONTINUE on page 2

- Question 16 Provide the name of the mining operation.
- Question 17 Provide the location of the mine with sufficient detail for DEC staff to locate the mine for inspections.
- Question 18 Enter the name and check the correct box for the scale of the USGS quadrangle map that depicts the location of the mine. You must also include the actual map with the mine location marked on it along with your other application materials submitted to DEC.
- Questions 19 & 20 List the name and address of all surface landowners and mineral owners. Attach additional sheets, if necessary.
- Question 21 The signatures of all surface landowners and mineral owners are required on all applications. Attach additional sheet if necessary.
- Question 22 All applications must be signed by the applicant or an authorized representative of the company.



REGION 1
 SUNY @ Stony Brook
 50 Circle Road
 Stony Brook, NY 11790-3409
 (631) 444-0365
 dep.r1@dec.ny.gov

REGION 2
 1 Hunter's Point Plaza
 47-40 21st Street
 Long Island City, NY 11101-5407
 (718) 482-4997
 dep.r2@dec.ny.gov

REGION 3
 21 South Putt Corners Road
 New Paltz, NY 12561-1620
 (845) 256-3054
 dep.r3@dec.ny.gov

REGION 4
 1130 North Westcott Road
 Schenectady, NY 12306-2014
 (518) 357-2069
 dep.r4@dec.ny.gov

REGION 5
 PO Box 296
 1115 New York State Route 86
 Ray Brook, NY 12977-0296
 (518) 894-1234
 dep.r5@dec.ny.gov

REGION 6
 Dulles State Office Building
 317 Washington Street
 Watertown, NY 13601-3787
 (315) 785-2245
 dep.r6@dec.ny.gov

SUB-OFFICE
 65561 State Hwy 10
 Stamford, NY 12167-9503
 (607) 652-7741
 dep.r4@dec.ny.gov

SUB-OFFICE
 232 Golf Course Rd
 Warrensburg, NY 12885-1172
 (518) 623-1282
 dep.r5@dec.ny.gov

SUB-OFFICE
 Utica State Office Building
 207 Genesee Street, Room 1404
 Utica, NY 13501-2885
 (315) 793-2555
 dep.r6@dec.ny.gov

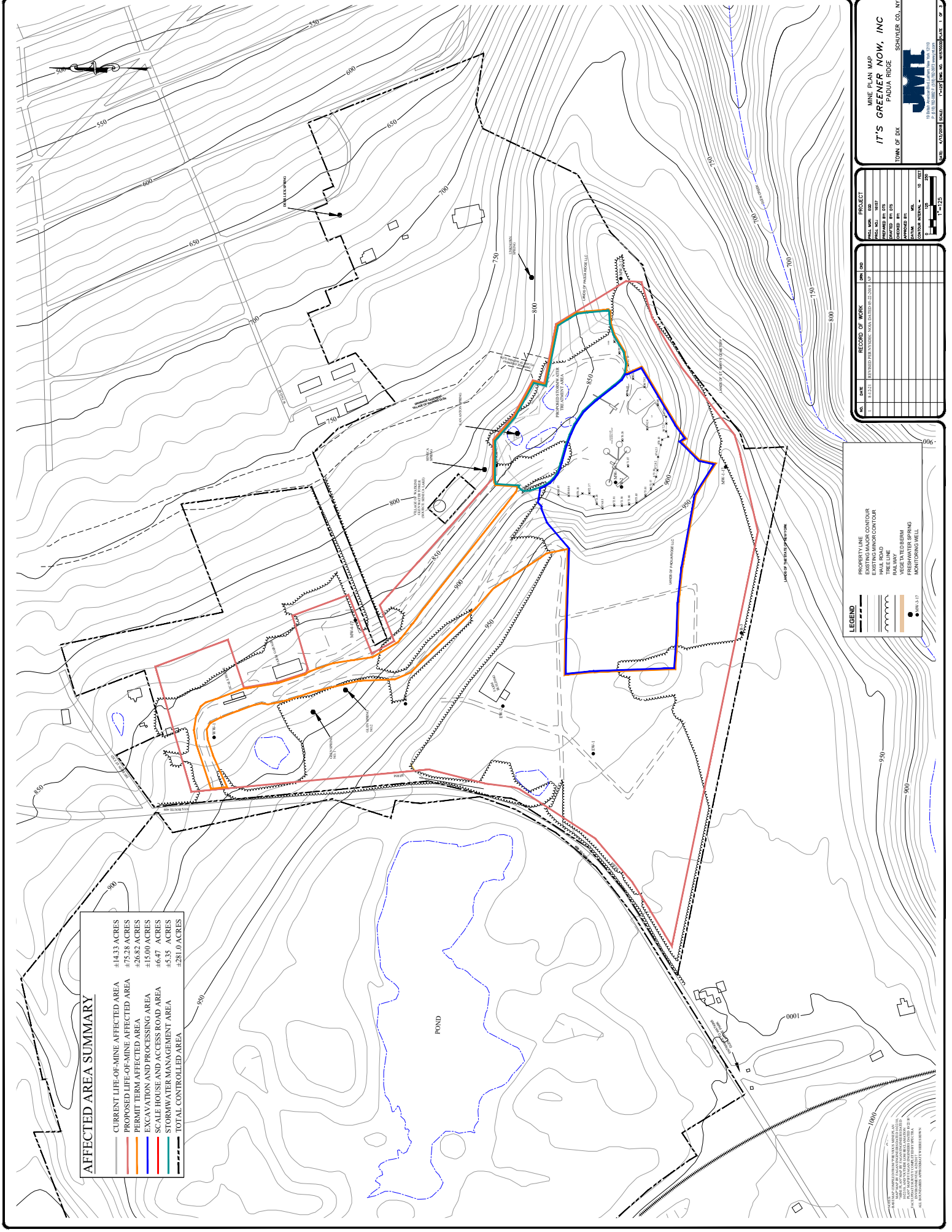
REGION 7
 615 Erie Blvd West, Room 206
 Syracuse, NY 13204-2400
 (315) 426-7438
 dep.r7@dec.ny.gov

REGION 8
 6274 East Avon-Lima Road
 Avon, NY 14414-9519
 (585) 226-5400
 dep.r8@dec.ny.gov

REGION 9
 270 Michigan Avenue
 Buffalo, NY 14203-2915
 (716) 851-7165
 dep.r9@dec.ny.gov

SUB-OFFICE
 1285 Fisher Avenue
 Cortland, NY 13045-1090
 (607) 753-3095 ext 233
 dep.r7@dec.ny.gov

SUB-OFFICE
 182 East Union, Suite 3
 Allegany, NY 14706-1328
 (716) 372-0645
 dep.r9@dec.ny.gov



AFFECTED AREA SUMMARY

CURRENT LIFE-OF-MINE AFFECTED AREA	±14.33 ACRES
PROPOSED LIFE-OF-MINE AFFECTED AREA	±73.28 ACRES
PERMIT TERM AFFECTED AREA	±26.82 ACRES
EXCAVATION AND PROCESSING AREA	±15.00 ACRES
SCALE HOUSE AND ACCESS ROAD AREA	±6.47 ACRES
STORMWATER MANAGEMENT AREA	±5.35 ACRES
TOTAL CONTROLLED AREA	±281.0 ACRES

LEGEND

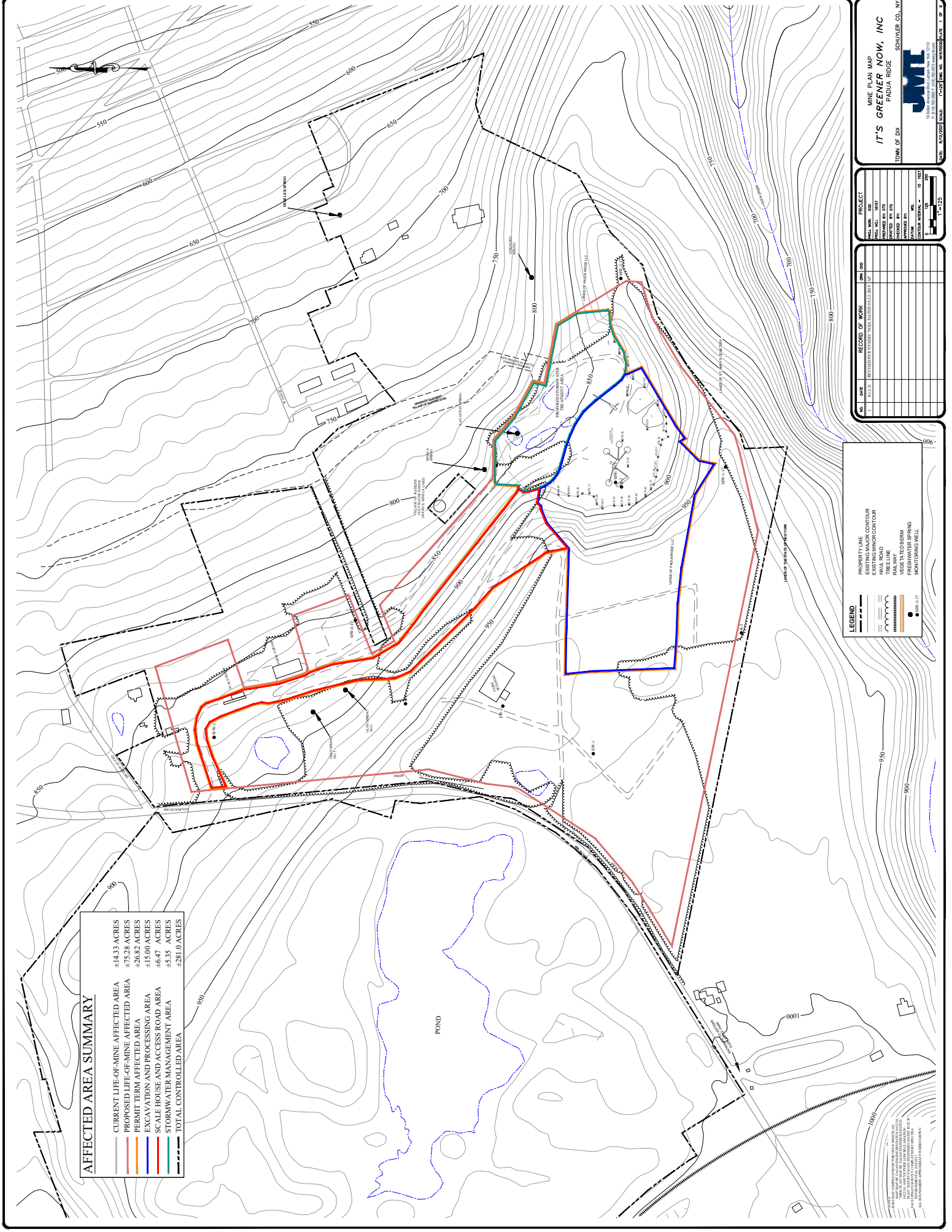
PROPERTY LINE	EXISTING MAJOR CONTOUR
EXISTING MINOR CONTOUR	HALE ROAD
RAILROAD	VEGETATED BERM
MONITORING WELL	

NO.	DATE	RECORD OF WORK	BY	CHK
1	11/23/11	PERMITTING	J. SCHULER	

PROJECT	IT'S GREENER NOW, INC
DATE	11/23/11
SCALE	1" = 125'
DATE	11/23/11
SCALE	1" = 125'

MINE PLAN MAP
IT'S GREENER NOW, INC
 PADUCA RIDGE
 TOWN OF DEKALB
 SCHULER CO., NY

THIS MAP WAS PREPARED BY THE AUTHOR FOR THE PROJECT AND IS NOT TO BE USED FOR ANY OTHER PURPOSE. THE AUTHOR ACCEPTS NO LIABILITY FOR ANY DAMAGE OR LOSS OF ANY KIND, INCLUDING BUT NOT LIMITED TO, DAMAGES, LOSSES, AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, ARISING FROM THE USE OF THIS MAP.



AFFECTED AREA SUMMARY

CURRENT LIFE-OF-MINE AFFECTED AREA	#14.33 ACRES
PROPOSED LIFE-OF-MINE AFFECTED AREA	#75.28 ACRES
PERMIT TERM AFFECTED AREA	#26.82 ACRES
EXCAVATION AND PROCESSING AREA	#15.00 ACRES
SCALE HOUSE AND ACCESS ROAD AREA	#6.47 ACRES
STORMWATER MANAGEMENT AREA	#5.35 ACRES
TOTAL CONTROLLED AREA	#281.0 ACRES

LEGEND

PROPERTY LINE	EXISTING MAJOR CONTOUR
EXISTING MINOR CONTOUR	HAILE ROAD
RAILROAD	VEGETATED BERM
MONITORING WELL	

RECORD OF WORK

NO.	DATE	DESCRIPTION	BY	CHK

PROJECT INFORMATION

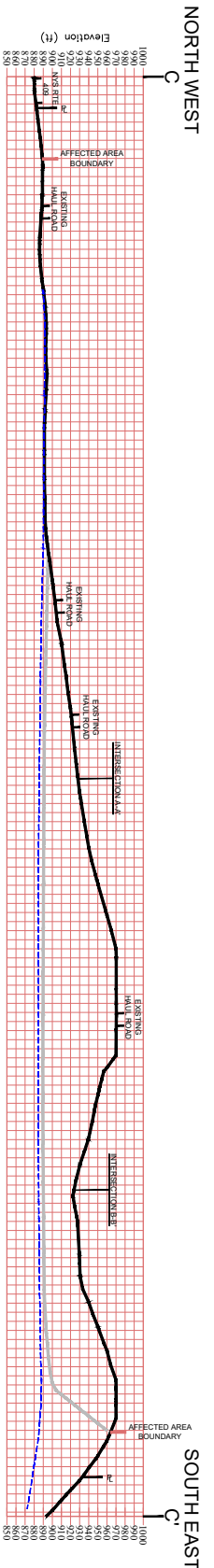
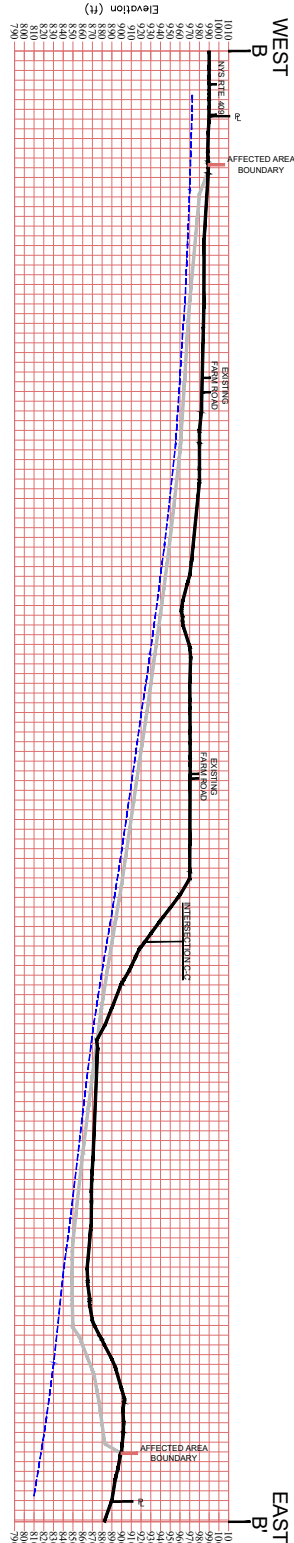
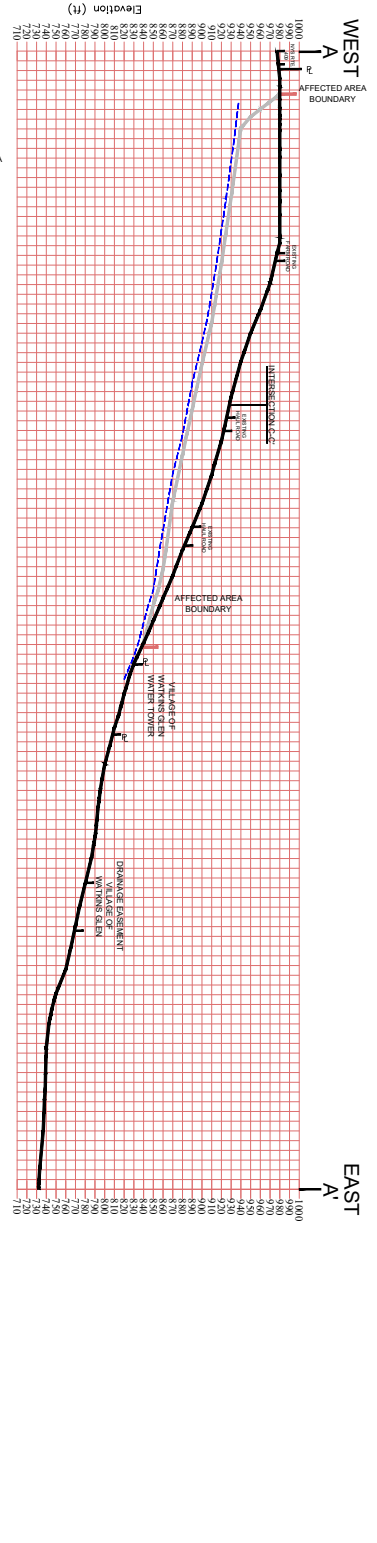
PROJECT	
DATE	
SCALE	
DESIGNED BY	
CHECKED BY	
APPROVED BY	
TITLE	
SCALE	
DATE	

MINE PLAN MAP
IT'S GREENER NOW, INC
 PADUCA RIDGE
 TOWN OF BK
 SCHUYLER CO. NY

JMI
 JAMES M. JONES & ASSOCIATES
 1000 W. 10TH ST. SUITE 100
 PADUCA, NY 14862

DATE: 8/22/2017 SCALE: 1"=125' SHEET NO. 1 OF 2

THIS MAP WAS PREPARED BY THE ENGINEER AND SURVEYOR FOR THE PROJECT AND IS NOT TO BE USED FOR ANY OTHER PURPOSE. THE ENGINEER AND SURVEYOR ACCEPTS NO LIABILITY FOR ANY DAMAGE OR LOSS OF ANY KIND, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THIS MAP.



LEGEND

- EXISTING TOPOGRAPHY (Solid black line)
- FINAL GRADE (Dashed blue line)
- APPROXIMATE GROUND WATER ELEVATION (Dotted grey line)

SCALE

Horizontal 1" = 125'

Vertical 1" = 62.5'

Vertical Exaggeration: 2

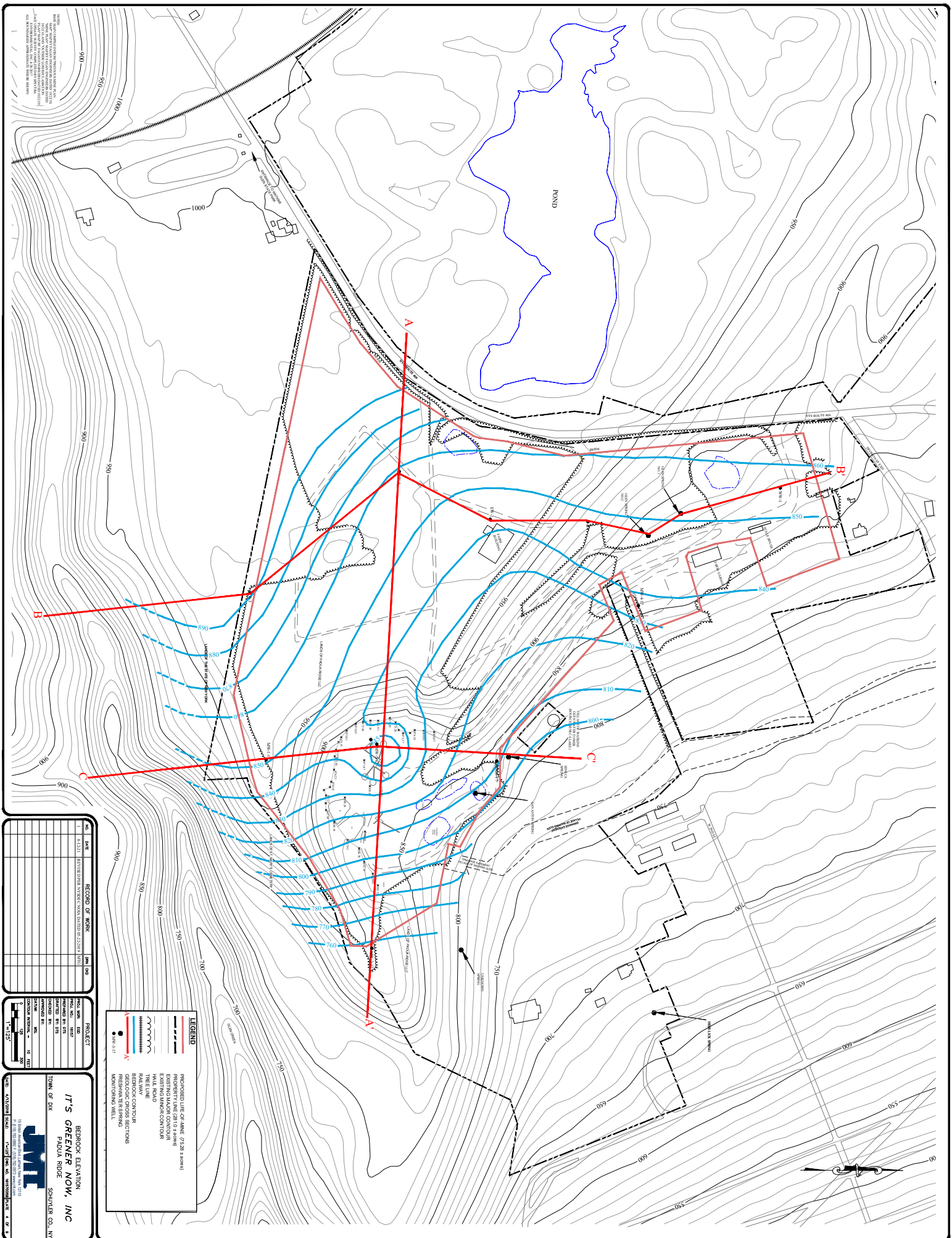
NO.	DATE	RECORD OF WORK	ISSUE NO.
1	8-1-23	REVISED FOR NYS DE SOLID DATA 05-23-2019 (MTO)	001

PROJECT	
LOCAL USE	YES
REGULATED BY DIS	NO
PERMITTED BY DIS	NO
APPROVED BY:	
CADLINE	MSL
CONTOUR INTERVAL	N/A FEET

DATE: 4/13/2018 SCALE: AS SHOWN PWC NO. 18170028 PLATE 3 OF 9

FINAL GRADE PROFILES
IT'S GREENER NOW, INC
 PADUA RIDGE
 SCHUYLER CO., NY

19 BIRCH AVE. SUITE 100, WEST WINDSOR, NY 14183
 P: (518) 782-0882 F: (518) 782-0970 WWW.JMT.COM



THIS DRAWING IS THE PROPERTY OF JAMES W. SCHUMER, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF JAMES W. SCHUMER, INC. THE USER OF THIS DRAWING AGREES TO HOLD JAMES W. SCHUMER, INC. HARMLESS FROM AND AGAINST ALL LIABILITY, DAMAGES, LOSSES AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES AND COSTS, THAT MAY BE INCURRED BY JAMES W. SCHUMER, INC. AS A RESULT OF THE USER'S USE OF THIS DRAWING.

DATE	DESCRIPTION OF WORK	BY	CHK
11/25/2014	EXTENSIVE SURVEY AND DESIGN	JWS	JWS

PROJECT	SCALE
BEADROCK ELEVATION	1" = 25'
PROPERTY LINE (281.0 & 2.000)	
EXISTING ROAD	
PROPOSED ROAD	
PROPOSED WATERWAY	
PROPOSED MONITORING WELL	

LEGEND

- PROPOSED LINE OF ANGLE (73.28 x 3.000)
- PROPOSED LINE (281.0 & 2.000)
- EXISTING ROAD
- PROPOSED ROAD
- PROPOSED WATERWAY
- PROPOSED MONITORING WELL
- BEADROCK ELEVATION
- PROPOSED WATERWAY
- PROPOSED MONITORING WELL

BEADROCK ELEVATION
IT'S GREENER NOW, INC
 PADUA RIDGE SCHUMER CO. NY
 10000 ROUTE 92
 PADUA RIDGE, NY 12551
 TEL: 518-537-2281 FAX: 518-537-2282
 WWW.ITSGREENERNOW.COM

ATTACHMENT G

FULL ENVIRONMENTAL ASSESSMENT FORM

Full Environmental Assessment Form
Part 1 - Project and Setting

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either “Yes” or “No”. If the answer to the initial question is “Yes”, complete the sub-questions that follow. If the answer to the initial question is “No”, proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Sponsor Information

Name of Action or Project: It's Greener Now, Inc. - Padua Ridge Gravel Mine Expansion		
Project Location (describe, and attach a general location map): 3362 Route 409, Watkins Glen, New York 14891		
Brief Description of Proposed Action (include purpose or need): The applicant seeks to expand their existing sand and gravel mining operations west and northward of their currently NYSDEC- permitted Life-of-Mine affected area for an additional 60.95 +/- acres. The current Life-of-Mine at the Padua Ridge Gravel Mine located in Watkins Glen, Schuyler County, New York is 14.33 +/- acres and the proposed total Life-of-Mine affected area is 75.28 +/- acres. Although no increase in production is anticipated at this time, the additional acreage would increase available reserves. Please see the attached draft Environmental Impact Statement (dEIS) and supporting documentation for a detailed description of the proposed action, methods, and analysis of potential environmental impacts.		
Name of Applicant/Sponsor: It's Greener Now, Inc. (Attn: Martin Wojcik)		Telephone: (607) 535-5525
		E-Mail: paduaridge@yahoo.com
Address: 3362 Route 409		
City/PO: Watkins Glen	State: New York	Zip Code: 14891
Project Contact (if not same as sponsor; give name and title/role):		Telephone:
		E-Mail:
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor):		Telephone:
		E-Mail:
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. (“Funding” includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No or Village Board of Trustees		
b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Special Use Permit	September 2021
c. City Council, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
d. Other local agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
e. County agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
f. Regional agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	NYSDEC for SPDES MGSP; Mining Permit; Air Permit/Registration; SHPO; NYSDOT (if required)	April 2018
h. Federal agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
i. Coastal Resources. i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No iii. Is the project site within a Coastal Erosion Hazard Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

C. Planning and Zoning

C.1. Planning and zoning actions

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? YesNo

- If Yes, complete sections C, F and G.
- If No, proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? YesNo
 If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? YesNo

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) YesNo
 If Yes, identify the plan(s):

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? YesNo
 If Yes, identify the plan(s):
 The Town of Dix Comprehensive Plan- The Pioneer Plan 2001. (This plan references the entire Town of Dix. As such, the project location is included.)

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. Yes No
If Yes, what is the zoning classification(s) including any applicable overlay district?
R-1 (Residential Low Density)

b. Is the use permitted or allowed by a special or conditional use permit? Yes No

c. Is a zoning change requested as part of the proposed action? Yes No
If Yes,
i. What is the proposed new zoning for the site?

C.4. Existing community services

a. In what school district is the project site located? Watkins Glen Central School District

b. What police or other public protection forces serve the project site?
Watkins Glen Police Department, New York State Police, Schuyler County Sheriff's Department

c. Which fire protection and emergency medical services serve the project site?
Watkins Glen Fire Department

d. What parks serve the project site?
Watkins Glen State Park

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Industrial (mineral extraction)

b. a. Total acreage of the site of the proposed action? 75.28 +/- acres
b. Total acreage to be physically disturbed? 75.28 +/- acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 281 +/- acres

c. Is the proposed action an expansion of an existing project or use? Yes No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % 425 Units: 60.95 acres

d. Is the proposed action a subdivision, or does it include a subdivision? Yes No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)

ii. Is a cluster/conservation layout proposed? Yes No

iii. Number of lots proposed?
iv. Minimum and maximum proposed lot sizes? Minimum Maximum

e. Will proposed action be constructed in multiple phases? Yes No
i. If No, anticipated period of construction: N/A* months
ii. If Yes:
• Total number of phases anticipated
• Anticipated commencement date of phase 1 (including demolition) month year
• Anticipated completion date of final phase month year
• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases:

* As the proposed action involves the production of construction aggregate, the rate at which excavation progresses will be controlled by market demand for the produced product.

f. Does the project include new residential uses? Yes No
 If Yes, show numbers of units proposed.

	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
Initial Phase	_____	_____	_____	_____
At completion of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? Yes No
 If Yes,
 i. Total number of structures _____
 ii. Dimensions (in feet) of largest proposed structure: _____ height; _____ width; and _____ length
 iii. Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? Yes No
 If Yes,
 i. Purpose of the impoundment: stormwater management
 ii. If a water impoundment, the principal source of the water: Ground water Surface water streams Other specify: Stormwater
 iii. If other than water, identify the type of impounded/contained liquids and their source.
 N/A
 iv. Approximate size of the proposed impoundment. Volume: 0.329 million gallons; surface area: 5.2 acres
 v. Dimensions of the proposed dam or impounding structure: N/A height; N/A length
 vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):
 Creation of stormwater pond will use industry-standard excavation practices.

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? Yes No
 (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)
 If Yes:
 i. What is the purpose of the excavation or dredging? The production of aggregate material.
 ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?
 • Volume (specify tons or cubic yards): 3,500,000 +/- cubic yards
 • Over what duration of time? +/- 20 years, depending on market demand
 iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.
 Sand and gravel will be produced and sold.
 iv. Will there be onsite dewatering or processing of excavated materials? Yes No
 If yes, describe. Materials will be processed at the existing processing plant in the currently approved life of mine.
 v. What is the total area to be dredged or excavated? 75.28 acres
 vi. What is the maximum area to be worked at any one time? 15 acres
 vii. What would be the maximum depth of excavation or dredging? 80-100 feet
 viii. Will the excavation require blasting? Yes No
 ix. Summarize site reclamation goals and plan: See dEIS and MLUP.

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? Yes No
 If Yes:
 i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): The pond located on the western edge of the site will be eliminated by the proposed operation; however stormwater runoff will be directed towards the stormwater management area to the east.

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

iii. Will proposed action cause or result in disturbance to bottom sediments? Yes No

If Yes, describe: _____

iv. Will proposed action cause or result in the destruction or removal of aquatic vegetation? Yes No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____

• proposed method of plant removal: _____

• if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

See dEIS and MLUP.

c. Will the proposed action use, or create a new demand for water? Yes No

If Yes:

i. Total anticipated water usage/demand per day: _____ gallons/day

ii. Will the proposed action obtain water from an existing public water supply? Yes No

If Yes:

- Name of district or service area: _____
- Does the existing public water supply have capacity to serve the proposal? Yes No
- Is the project site in the existing district? Yes No
- Is expansion of the district needed? Yes No
- Do existing lines serve the project site? Yes No

iii. Will line extension within an existing district be necessary to supply the project? Yes No

If Yes:

• Describe extensions or capacity expansions proposed to serve this project: _____

• Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? Yes No

If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

vi. If water supply will be from wells (public or private), maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? Yes No

If Yes:

i. Total anticipated liquid waste generation per day: _____ gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

iii. Will the proposed action use any existing public wastewater treatment facilities? Yes No

If Yes:

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? Yes No
- Is the project site in the existing district? Yes No
- Is expansion of the district needed? Yes No

- Do existing sewer lines serve the project site? Yes No
- Will line extension within an existing district be necessary to serve the project? Yes No

 If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? Yes No
 If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans):

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? Yes No
 If Yes:

- How much impervious surface will the project create in relation to total size of project parcel?
 _____ NA Square feet or _____ NA acres (impervious surface)
 _____ NA Square feet or _____ NA acres (parcel size)
- Describe types of new point sources. When the demand is needed, overflow from an emergency spillway will be directed to the Village of _____ Watkins Glen Drainage Easement (Outfall 001).

- Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?
A dedicated stormwater management area, where on-site stormwater will be treated. An emergency spillway within the stormwater management area will be constructed to allow runoff to overflow to the Village of Watkins Glen Drainage Easement, when the demand is needed (Outfall 001).
 - If to surface waters, identify receiving water bodies or wetlands: _____
 On-site surface water treatment pond. _____
 - Will stormwater runoff flow to adjacent properties? Yes No

iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? Yes No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? Yes No
 If Yes, identify:

- Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)
Continued use of bulldozers, scrapers, front-end wheel loaders, haul trucks, and other standard industry equipment.
- Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)
N/A
- Stationary sources during operations (e.g., process emissions, large boilers, electric generation)
No new stationary sources are proposed during the operation of the expansion area.

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? Yes No
 If Yes:

- Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) Yes No
- In addition to emissions as calculated in the application, the project will generate:
 - _____ Tons/year (short tons) of Carbon Dioxide (CO₂)
 - _____ Tons/year (short tons) of Nitrous Oxide (N₂O)
 - _____ Tons/year (short tons) of Perfluorocarbons (PFCs)
 - _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)
 - _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)
 - _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? Yes No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? Yes No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):
Dust particles generated from internal transportation and material excavation will be minimized through dust control practices as detailed in the dEIS and MLUP.

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? Yes No

If Yes:

i. When is the peak traffic expected (Check all that apply): Morning Evening Weekend
 Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of semi-trailer truck trips/day: _____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? Yes No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? Yes No

vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? Yes No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? Yes No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? Yes No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

iii. Will the proposed action require a new, or an upgrade to, an existing substation? Yes No

l. Hours of operation. Answer all items which apply.

i. During Construction:		ii. During Operations:	
• Monday - Friday: _____	N/A	• Monday - Friday: _____	6:00 am - 8:00 pm
• Saturday: _____	N/A	• Saturday: _____	6:00 am - 8:00 pm
• Sunday: _____	N/A	• Sunday: _____	Closed
• Holidays: _____	N/A	• Holidays: _____	Closed

<p>m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes:</p> <p>i. Provide details including sources, time of day and duration:</p> <p style="margin-left: 20px;">Operation of excavation equipment will conform to the noise levels of existing nearby operations, but may exceed the current ambient noise levels.</p>
<p>ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Describe: <u>Some on-site vegetation will be removed; however, additional topographic barriers will be established. For further detail, see dEIS.</u></p>
<p>n.. Will the proposed action have outdoor lighting? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes:</p> <p>i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:</p> <p>_____</p> <p>_____</p>
<p>ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Describe: _____</p> <p>_____</p>
<p>o. Does the proposed action have the potential to produce odors for more than one hour per day? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____</p> <p>_____</p>
<p>p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Product(s) to be stored _____</p> <p>ii. Volume(s) _____ per unit time _____ (e.g., month, year)</p> <p>iii. Generally describe proposed storage facilities: _____</p> <p>_____</p>
<p>q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Describe proposed treatment(s):</p> <p>_____</p> <p>_____</p> <p>_____</p>
<p>ii. Will the proposed action use Integrated Pest Management Practices? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Describe any solid waste(s) to be generated during construction or operation of the facility:</p> <ul style="list-style-type: none"> • Construction: _____ tons per _____ (unit of time) • Operation : _____ tons per _____ (unit of time) <p>ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:</p> <ul style="list-style-type: none"> • Construction: _____ _____ • Operation: _____ _____ <p>iii. Proposed disposal methods/facilities for solid waste generated on-site:</p> <ul style="list-style-type: none"> • Construction: _____ _____ • Operation: _____ _____

s. Does the proposed action include construction or modification of a solid waste management facility? Yes No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? Yes No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? Yes No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: _____

0.6

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

Urban Industrial Commercial Residential (suburban) Rural (non-farm)

Forest Agriculture Aquatic Other (specify): _____

ii. If mix of uses, generally describe:

The site is an operational mine in a mixed rural setting.

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	10.4	0.37	-10.03
• Forested	16.04	0	-16.04
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0	75.28	+75.28
• Agricultural (includes active orchards, field, greenhouse etc.)	33.91	0	-33.91
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.6	0.6	0.0
• Wetlands (freshwater or tidal)	N/A	N/A	N/A
• Non-vegetated (bare rock, earth or fill)	14.33	0	-14.33
• Other Describe: _____			

c. Is the project site presently used by members of the community for public recreation? Yes No
i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? Yes No
If Yes,
i. Identify Facilities: _____

e. Does the project site contain an existing dam? Yes No
If Yes:
i. Dimensions of the dam and impoundment:
• Dam height: _____ feet
• Dam length: _____ feet
• Surface area: _____ acres
• Volume impounded: _____ gallons OR acre-feet
ii. Dam's existing hazard classification: _____
iii. Provide date and summarize results of last inspection: _____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? Yes No
If Yes:
i. Has the facility been formally closed? Yes No
• If yes, cite sources/documentation: _____
ii. Describe the location of the project site relative to the boundaries of the solid waste management facility: _____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? Yes No
If Yes:
i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred: _____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? Yes No
If Yes:
i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: Yes No
 Yes – Spills Incidents database Provide DEC ID number(s): _____
 Yes – Environmental Site Remediation database Provide DEC ID number(s): _____
 Neither database
ii. If site has been subject of RCRA corrective activities, describe control measures: _____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? Yes No
If yes, provide DEC ID number(s): 849002, 849003, C849004
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):
849002 and C849004 - part of the Seneca Market 1, LLC BCP, a certificate of completion was issued on December 31, 2008.
849003 - Sciorie's Dry Cleaners - Residual PCE contamination in soil, groundwater, soil vapor and indoor air is being managed under a Site Management Plan.

v. Is the project site subject to an institutional control limiting property uses? Yes No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? Yes No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? _____ 30-140 feet

b. Are there bedrock outcroppings on the project site? Yes No
 If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %

c. Predominant soil type(s) present on project site:

HSD:Howard soils, moderately steep	_____	58 %
VaC:Valois gravelly silt loam	_____	23 %
HrB: Howard gravelly loam	_____	14 %

d. What is the average depth to the water table on the project site? Average: _____ >6 feet

e. Drainage status of project site soils: Well Drained: _____ 99 % of site
 Moderately Well Drained: _____ 1 % of site
 Poorly Drained _____ % of site

f. Approximate proportion of proposed action site with slopes: 0-10%: _____ 75 % of site
 10-15%: _____ 25 % of site
 15% or greater: _____ % of site

g. Are there any unique geologic features on the project site? Yes No
 If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? Yes No

ii. Do any wetlands or other waterbodies adjoin the project site? Yes No
 If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? Yes No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name 898-451 Quarter Mile Creek, 898-443.1 Glen Creek Classification C, B
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name NWI-mapped waterbodies Approximate Size 0.52 acres
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? Yes No
 If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? Yes No

j. Is the project site in the 100 year Floodplain? Yes No

k. Is the project site in the 500 year Floodplain? Yes No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? Yes No
 If Yes:
 i. Name of aquifer: _____

m. Identify the predominant wildlife species that occupy or use the project site: _____ Small mammals (i.e., squirrel, chipmunk) _____ common birds (sparrow, finch, etc.) _____ deer _____	
n. Does the project site contain a designated significant natural community? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes: <i>i.</i> Describe the habitat/community (composition, function, and basis for designation): _____ _____ <i>ii.</i> Source(s) of description or evaluation: _____ <i>iii.</i> Extent of community/habitat: <ul style="list-style-type: none"> • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres 	
o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No USFWS identified Leedy's Roseroot as having potential to occur near the project vicinity; however according to the NYNHP, there are no documented occurrences on-site- only one documented special concern species within the Watkins Glen State Park boundaries: Gray Petaltail, Tachopteryx thoreyi. See dEIS for further details and applicable documentation.	
q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, give a brief description of how the proposed action may affect that use: _____ _____	
E.3. <u>Designated Public Resources On or Near Project Site</u>	
a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, provide county plus district name/number: _____	
b. Are agricultural lands consisting of highly productive soils present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>i.</i> If Yes: acreage(s) on project site? _____ <i>ii.</i> Source(s) of soil rating(s): _____	
c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes: <i>i.</i> Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature <i>ii.</i> Provide brief description of landmark, including values behind designation and approximate size/extent: _____ _____ _____	
d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes: <i>i.</i> CEA name: _____ <i>ii.</i> Basis for designation: _____ <i>iii.</i> Designating agency and date: _____	

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places? Yes No

If Yes:

i. Nature of historic/archaeological resource: Archaeological Site Historic Building or District

ii. Name: See Table 1: Inventory of Aesthetic Resources included in the dEIS (see Visual Impact Assessment.)

iii. Brief description of attributes on which listing is based:
See Table 1: Inventory of Aesthetic Resources included in the dEIS (see Visual Impact Assessment.)

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? Yes No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? Yes No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? Yes No

If Yes:

i. Identify resource: See Table 1: Inventory of Aesthetic Resources included in the Visual Impact Assessment

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): *Watkins Glen State Park

iii. Distance between project and resource: _____ 0.25 miles. *Project is adjacent to lands owned by the State that include the Park.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? Yes No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? Yes No

F. Additional Information

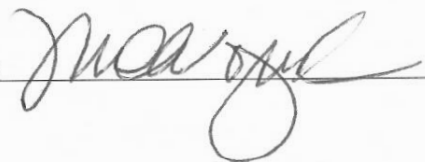
Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Martin Wojcik Date 9/14/21

X Signature  Title Owner