



SURFACE MINE RENEWAL PERMIT

Under the authority of Chapter 1514 of the Revised Code, the Chief of the Division of Mineral Resources Management hereby orders and grants a renewal to Ohio Surface Mine Permit: IM-340.

Issued To ENON SAND AND GRAVEL LLC
P.O. Box 158
Sabina, OH 45169-0158

Permit Number: IM-340
Application Number: IMR-0340-4
Acres: 420.60
Effective: 04/25/2022
Expires: 04/24/2037

Telephone: (937) 584-2486

Type of Operation: Surface

Mineral Types: Gravel, Sand, Limestone

LOCATION OF PERMIT AREA

NAME OF LANDOWNERS	T	R	SECTION	LOTS	TOWNSHIP	COUNTY
Enon Sand & Gravel	4N	8E	29		MAD RIVER	CLARK
	4N	8E	24		MAD RIVER	CLARK
	4N	8E	23		MAD RIVER	CLARK

The issuance of this permit means only that the application to conduct a surface mining operation meets the requirements of Chapter 1514 of the Revised Code, and as such DOES NOT RELIEVE the operator of any obligation to meet other federal, state or local requirements

This permit is conditioned upon the compliance of the permittee with Chapter 1514 of the Revised Code and rules adopted pursuant thereto, and performance of the measures set forth in the Mining and Reclamation Plan in a timely manner, and upon the right of the Chief, division inspectors, or other authorized representatives of the Chief to enter upon the premises at reasonable times for the purposes of determining whether or not there is compliance with Chapter 1514 of the Revised Code.

Signature:

Bry K. McIntosh
Chief, Mineral Resources Management

Date: 10/21/2022

OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Mineral Resources Management

☐ NEW APPLICATION

☒ RENEWAL APPLICATION, Permit Number 340

☒ INDUSTRIAL MINERALS ONLY

☐ INDUSTRIAL MINERALS with INCIDENTAL COAL

Surface Industrial Mineral Mining Permit Application
Cover Sheet

To Be Completed and Submitted by the Applicant

I, Nathaniel Grundy, on behalf of Enon Sand and Gravel LLC
do hereby submit a Surface Industrial Mineral Mining Permit Application including all required
attachments as indicated on page 2 of the application cover sheet. All information and data
provided in this application, maps and attachments thereto are true and correct to the best of my
knowledge. Comments made or questions about this application are to be directed to me, at the
address and phone listed below:

Signed: Nathaniel Grundy

Address: Mine Services Co., Inc., PO Box 97

City, State, Zip: Terrace Park, OH 45174

Phone: 740-694-5900

Fax: 866-677-4941

Email: nathaniel@mine-services.com

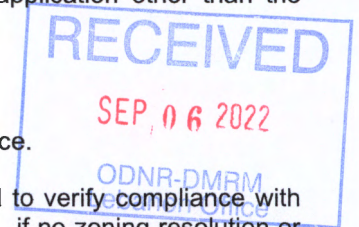


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Surface Industrial Mineral Mining Permit Application Checklist of Required Attachments

The following items should be included in a surface industrial mineral mining permit application and mailed to ODNR/Division of Mineral Resources Management, 2045 Morse Road, Building H-2, Columbus, OH 43229-6693. Please review your application package carefully to insure that all required attachments are included. Failure to include one or more required item will result in a processing delay:

- ☒ THREE copies of an application map prepared in accordance with section 1514.02 (A)(11) & (12) of the Revised Code. See *Operator Guidelines for map checklist & requirements*.
- ☒ THREE COPIES of the completed surface mining permit application that has been prepared in accordance with section 1514.02(A) of the Revised Code and in accordance with rules adopted pursuant to Section 1514.08 of the ORC. At least one copy of the application must have original signatures on the completed signature page. *(Please use blue ink)*. Each copy of a completed application must include ONE copy of each of the following items:
- ☒ Geological Data Report. **This information shall be kept confidential and not made a matter of the public record, except** that the chief, in any legal action in which the truthfulness of the information is material, may disclose the information.
- ☒ Include cross sections of existing and final land forms for each mining area and identify by name or number. Submit additional cross sections for any significant dissimilar final land configurations (see surface mine rule 1501:14-4-02).
- ☒ Certificate of Public Liability Insurance in accordance with Section 1514.02(A)(13) of the Revised Code.
- ☒ Actual lease, deed or Lease/Deed Affidavit for each surface owner listed on the application other than the applicant that documents the right of entry upon the land proposed to be mined.
- ☐ Public Notice Requirement:
 - ☐ Copy of zoning variance and/or certificate and proof-of-publication for public notice.
 - ☐ Copy of any required advertisement or public notice text that will be published to verify compliance with applicable public notice requirements identified in Section 1514.022 of the ORC, if no zoning resolution or ordinance applies.
 - ☐ Copy of any applicable zoning ordinance(s) allowing mining for the area in which the proposed surface mining operation is located.
- ☒ Notarized, sworn statement that during the term of any permit issued under Chapter 1514 of the Revised Code or of any renewal of such a permit, the applicant will comply with all applicable zoning resolutions and/or ordinances that are in effect.
- ☒ Statement certifying that the applicant has communicated with the county engineer regarding roads within the county engineer's jurisdiction that will be used by vehicles entering or leaving the proposed surface mining site. *Include a copy if communication was via letter.*
- ☒ Signed copy of any and all consent forms to mine within 50 feet of the right of way of a public road fully executed by the local road authority.
- ☐ Signed copy of any and all consent forms to mine within 50 feet of adjacent property executed between the operator and the landowner.



FOR INCIDENTAL COAL APPLICATIONS ONLY

- ☐ Incidental Coal Documents (Attachments EX-2, EX-3, EX-4)

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OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Mineral Resources Management

Surface Industrial Mineral Mining Permit Application

FOR DIVISION USE ONLY:

Date Received: 4/26/22
Application No: _____
Region: West - Lebanon
Permit Number: IM-340

APPLICANT Information

1. Name of Applicant: **Enon Sand and Gravel LLC**

Mailing Address: **PO Box 158**

City: **Sabina**

State: **OH** Zip Code: **45169**

Business Telephone: **937-584-2486**

Fax Number: **937-584-4044** E-mail:

Dennis.Garrison@jrjnet.com

Federal Tax ID# XXXXXXXXXX

2. Business Structure:

☐ Sole Proprietorship ☐ Partnership ☐ Corporation ☒ Other: **LLC**

3. List the names of owners, partners, all corporate officers, directors or other persons who have a right to control or in fact control the management of the applicant or the selection of officers, directors or managers of the applicant (If additional persons are to be shown, please list on a separate sheet):

Name: **Dennis J Garrison**

Title: **President**

Address: **11641 Mosteller Rd**

City: **Cincinnati**

State: **OH**

Zip: **45241**

Name: **James P Jurgensen II**

Title: **Vice President**

Address: **11641 Mosteller Rd**

City: **Cincinnati**

State: **OH**

Zip: **45241**

Name: **Jason R Jurgensen**

Title: **Treasurer**

Address: **11641 Mosteller Rd**

City: **Cincinnati**

State: **OH**

Zip: **45241**

Name: **Jacqueline L Jurgensen**

Title: **Secretary**

Address: **11641 Mosteller Rd**

City: **Cincinnati**

State: **OH**

Zip: **45241**



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This application is hereby ☒ approved, ☐ disapproved by the Chief, Division of Mineral Resources Management.

Date: 10/6/22

Signed: Benny L. McCament

Chief, Division of Mineral Resources Management BH

4. List below the names of additional persons duly authorized to sign for the applicant with regard to the administrative paperwork required by the Division of Mineral Resources Management.

Cory Kiser, Representative
Nathaniel Grundy, Representative

Tyler Jordan, Representative

5. If the business structure is a corporation, please provide the name, address and telephone number of your Ohio statutory agent:

Name: **CT Corporate Systems**
Address: **4400 Easton Commons Way**
City: **Columbus**

Telephone Number: **614-280-3540**

State: **OH** Zip: **43219**

6. Identify by the appropriate permit number any other surface mining, in-stream mining or coal mining permits now held by the applicant in this state.

☐ If applicant holds no other mining permits, check here.

Permit Number	County	Permit Number	County
463	Clark		
2026	Clark		

7. Has the applicant, any partner if the applicant is a partnership, any officer or director if the applicant is a corporation, or any other person who has a right to control or in fact, controls the management of the applicant of the selection of officers, directors or managers of the applicant ever had a surface coal or industrial mineral mining permit or an in-stream mining permit issued by this or any other state suspended or revoked or ever forfeited a surface coal or industrial mineral mining bond, cash or security deposit in lieu of bond? ATTACH a separate sheet providing details surrounding any suspension, revocation or bond forfeiture.

☐ Yes ☒ No

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LANDOWNER Information

8. List the names and addresses of the owners of surface rights for the land upon which the applicant proposes to conduct surface mining operations. (If surface rights in the land are not owned by the applicant, submit a copy of the lease, deed or Lease/Deed Affidavit form which documents the applicant's right of entry upon such land by the applicant by his/her agents.)

Surface Owners	T/R	Section/Lot VMS	Township	County	Municipal Corporation
NAME: Enon Sand and Gravel LLC	T-4N,	SEC: 23, 24, 29	Mad River	Clark	NA
ADDRESS: 11641 Mosteller Road	R-8E	LOT:			
CITY: Cincinnati		VMS:			
STATE, ZIP: OH, 45241					
NAME:		SEC:			
ADDRESS:		LOT:			
CITY:		VMS:			
STATE, ZIP:					
NAME:		SEC:			
ADDRESS:		LOT:			
CITY:		VMS:			
STATE, ZIP:					
NAME:		SEC:			
ADDRESS:		LOT:			
CITY:		VMS:			
STATE, ZIP:					

9. During the course of mining and/or reclamation, do you anticipate having to remove any boundary, section corner, government or other survey monuments? ☐ Yes, ☒ No If yes, describe how and when you intend to reestablish such monuments.

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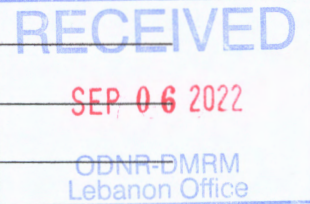
SEP 06 2022

ODNR-DMRM
Lebanon Office

PERMIT & GEOLOGIC Information

10. List each mineral to be produced and the estimated annual rate of production. Also identify the estimated total production for each mineral during the life of the mine.

Mineral	Estimated Annual Production (in tons)	Estimated Total Production
Limestone	200,000	10,000,000
Sand & Gravel	10,000	150,000



11. Provide a report of the result of test borings that the operator has conducted on the proposed permit area, or otherwise has readily available, as required by Section 1514.02(A)(9) O.R.C. and 1501:14-4-01 O.A.C. Provide test boring and geological data on a Geological Data Report, and attach the completed form as an appendix to the surface mining permit application. *Such information will be kept confidential and is not a matter of public record.*

List the number of Geological Data Reports that are attached. 4 (5 Test Holes)

12. Are there any underground or deep mines within or under any of the proposed permit areas?
☐ Yes, ☒ No If "yes," describe what practice will be employed to permanently seal opened mine works when and if they are intercepted by surface mining activity under this permit in order to prevent contamination of surface or underground water supplies: (Use a separate sheet if needed.)

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13. Provide the following estimates:

Total acres in the permit application area	420.6
Total number of separate and distinct mining areas in the proposed permit area (mining areas MUST be identified by name or number and shown on the application map)	4
Total acres proposed to be affected during the first year of operations (for new permit applications only)	NA
Total acres estimated to be affected during life of the mine	420.6

LAND USE/ZONING

14. Is there a zoning resolution or ordinance in effect for the county, township or municipal corporation in which the proposed permit area is located? ☒ Yes, ☐ No If "yes," list the county, township or municipal entity and contact name, title and telephone number where they can be reached.

Clark County

Community and Economic Development

Planning & Zoning Department

Mad River Township

Allan Neimayer 937-521- 2186 OR

Jennifer Tuttle 937-521-2170

PUBLIC NOTICE REQUIREMENTS

- ☒ If Renewal, mark "X" and skip to question 16.

- 15.A. Were you granted a zoning variance or conditional use certificate that allows mining within 365 days of your submission of this application?

☐ Yes. Submit a copy of the variance or certificate and proof of publication of the public notice for that purpose.

☐ No. Follow instructions listed in "B" below:

- B. If there is no zoning or if no zoning resolution or ordinance applies to the proposed surface mining permit application area, attach a draft copy of the required advertisement (refer to Operator Guidelines).
- C. If the plan of zoning specifically allows for mining at the proposed location, no public notice is required. The applicant must provide a copy of the respective portions of the ordinance allowing mining.

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WATERCOURSE Information

Restrictions apply to mineral excavation and all other mining activities along designated wild, scenic & recreational rivers and all other watercourses with drainage areas of more than 25 square miles. The restrictions are as follows:

- No EXCAVATION w/in 120' of high water mark

Designated wild, scenic & recreational rivers

- No MINING ACTIVITIES w/in 75' of high water mark

- No EXCAVATION w/in 75' of high water mark

Watercourses with a total drainage area greater than 100 square miles

- No MINING ACTIVITIES w/in 75' of high water mark

- No EXCAVATION w/in 50' of high water mark

Watercourses with drainage area between 25 & 100 square miles*

*Under limited circumstances, the chief may grant a variance to this provision per 1501:14-5-04 ORC

- No MINING ACTIVITIES w/in 50' of high water mark

16. Is a named watercourse identified on the application map for the proposed permit area?

☒ Yes ☐ No

If "yes," provide the following information:

- a. Name of watercourse: **Mud Run**
- b. What is the total drainage (in square miles) of the named watercourse (refer to the "Gazetteer of Ohio Streams")? **27.5**
- c. Proximity of the watercourse to your final proposed permit boundary: **50 (feet)**
- d. Describe all activities that will be occurring nearest to the watercourse:

Berming, excavation/mining, haul roads, parking, stockpiles

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MINING PLAN Information

17. Identify all methods of mining that will be employed within the permit area:

- ☒ Quarrying (Limestone, dolomite, sandstone)
- ☐ Dredging (sand and gravel)
- ☒ Open Pit (Sand and gravel, clay, shale, topsoil)
- ☐ Other – please describe:



18. Identify and describe the equipment that will be used during the proposed mining and reclamation activity (include excavating, dredging, hauling and pumping equipment). Be specific and include an additional sheet if more space is needed.

Front-end Loaders: Cat 988G, 980G; Cat D7, D9 Dozers, Excavators Cat 345 (2), Gorman Rupp 66B Pump. Drilling required for blasting will be accomplished using sub-contractors.

19. For each mining area, describe the sequence of mining in detail. Include information on topsoil removal, storage and protection as required in 1501:14-3-08 O.A.C. and the typical sequence of events that will be undertaken to extract minerals.

1. Overburden will be stripped and placed into permanent berms adjacent to property lines and 50 feet from the road right-of-way except in areas where road permits have granted storage closer than 50'. These berms will act as visual/safety barriers. The berms will be approximately 8 feet high, with revegetated 2:1 side slopes on the outer side and 3:1 side slopes on the inner side. The 2:1 outer slopes will help prevent access from that direction. Unstable conditions, if any, resulting from the 2:1 slopes will be corrected.

2. The minerals will be mined, processed, sized, and washed as required by market needs, and sold.

3. When an area is completed, the final highwalls will be stabilized, and the overburden will be graded to maximum 3:1 slopes, resoiled, and seeded.

4. Excess overburden will be disposed of by backfilling the highwall, with exact locations to be determined. Materials used for reclamation will be covered with soil above the water line prior to seeding. Backfilled areas above the water table elevation will be graded to maximum 3:1 slopes, resoiled, and seeded. Final slopes of backfilled areas below the water table elevation will have slopes of approximately 2:1, the natural angle of repose. These areas will be stabilized with a combination of native vegetation and rock. If needed, these measures will be supplemented with silt fence placed at appropriate intervals to prevent erosion. Graded and revegetated 3:1 slopes above the angle of repose will not have bond released until the quarry ceases operation, the water level reaches its final elevation, and the slopes are stable.

20. Identify the methods that will be used to control surface drainage on land areas so that soil erosion, sedimentation, flooding, flood hazards and landslides are prevented during the proposed surface mining activity. *Be specific in describing (on additional sheets) how each method is to be used.*

☐ Sediment Ponds Locate on map and identify by name and number. (Submit a Pond/Impoundment Design for each sediment pond and attach plan views or cross-sections when needed as supplemental information.)

☐ Diversions Locate on map and describe by plan views or cross-sections.

☒ Protective Cover ☒ Temporary Vegetation Species Pounds per Acre

Rye 8

☒ Mulch **2 tons/acre**

☐ Dikes ☐ Locate on map and give dimensions. (Attach plan views and cross sections when needed as supplemental information.)

☒ Other ☒ Describe: **Silt Fence will be installed as needed.**

21. Identify measures to be taken by the applicant to provide for public safety in and around the proposed mine site.

☒ Berm Construction

☐ Fencing

☒ Warning Signs

☐ Traffic Control

☒ Screen Plantings

☒ Blast Warning Signals & Signs, and "Blasting Area" Signs

☐ Guardrails

☐ Other (describe):

22. Will explosives be used to facilitate the mining and reclamation process? ☒ Yes, ☐ No If "yes," submit Industrial Minerals Blasting Design.

GROUNDWATER PROTECTION

23. Do acid-forming strata exist within the proposed permit area? ☐ Yes, ☒ No If "yes," list the acid-forming strata to be affected in the permit area. Describe in detail the specific practices to be employed during mining and reclamation, including any treatment procedures and facilities to minimize acid water drainage and the accumulation of acid water and to prevent damage to adjoining property resulting from such drainage or accumulation.



ACID-FORMING STRATA:		
List in detail any and all potentially acid forming strata found on the proposed permit area.		

Identify and describe the practices that you will employ to prevent acid water damage and the accumulation of acid water. Be specific.

24. To ensure contamination, resulting from mining, of underground water supplies is prevented, describe how the applicant will:

A. Promptly seal all auger holes;

NA

B. Cover acid-producing materials;

NA

C. Seal all shafts, boreholes, wells and other openings which are intercepted during mining;

No contaminants will be encountered or introduced during mining or reclamation. Any shafts created will be sealed upon completion of mining to ensure that no contamination occurs and to prevent health and safety hazards.

D. Seal intercepted underground mines.

No contaminants will be encountered or introduced during mining or reclamation. Any underground entries created will be sealed upon completion of mining to ensure that no contamination occurs and to prevent health and safety hazards.



GROUNDWATER MODELING Information

☒ If Renewal, mark "X" and skip to question 26.

25. Will you be pumping and discharging water to facilitate mining?

☐ Yes, ☐ No If "yes," submit groundwater modeling attachment(s) as outlined in the Operator's Guidelines. Section 1514.02(A)(16) of the Revised Code requires that an applicant submit a compilation of data in a form that is suitable to conduct ground water modeling to establish a projected cone of depression.

RECLAMATION PLAN & SCHEDULE

26. For each mining area, specifically identify the future intended land use and fully describe the sequence of steps that will be used to prepare the land for its future intended use. Also describe steps that will be taken to achieve soil stability, prevent landslides, erosion and sedimentation. Be specific in addressing the use of overburden, backfilling, grading, terracing, contouring, degree of final slopes and any other related activity.

Limestone will be mined above and below the ground water table. As a result, three lakes will be created in the final landform. Limestone highwalls will be stabilized including scaling to prevent breakoffs. Unconsolidated slopes above the ground water table will be graded to a maximum of 3:1. Upon completion of mining, material will be distributed/backfilled over the affected area in blocks. Resoiling material will be a combination of topsoil and subsoil blended to a depth of 6 inches and seeded with grasses and legumes (see question #32 and #35). Material will be compacted as it is distributed in order to achieve soil stability and to prevent landslides. The lakes that are formed in the quarry and remaining upland will be used in support of agriculture and/or for wildlife habitat.

27. Identify and describe the anticipated timeframe between the completion of mining in an area and the completion of all grading and planting.

A. Will grading, resoiling and planting be completed within one year following the completion of mining in an area? ☒ Yes, ☐ No If "no," describe the reason for requesting additional time.

B. Will permanent planting be completed immediately following any required grading and resoiling of an area affected, or during the next growing season following resoiling?

☒ Immediately following grading and resoiling

☒ During next growing season

If "during next growing season," describe the reason for requesting additional time.

If the current season is unsuitable for permanent seeding.

C. Will permanent vegetation be established and maintained for two (2) growing seasons following planting? ☒ Yes, ☐ No If "no," describe the reason for requesting additional time.

D. Will ALL reclamation requirements be completed within three years following the completion of mining in an area? ☒ Yes, ☐ No If "no," describe the reason for requesting additional time.



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28. Will permanent impoundments be left following mining and reclamation? ☒ Yes, ☐ No If "yes," complete the table below, including information for all proposed permanent impoundments. *Add additional sheets if necessary.*

	Mining Area 1	Mining Area 2	Mining Area 4
	Impoundment #1	Impoundment #2	Impoundment #3
Estimated elevation of high water mark in ft/msl	949	862	900
Estimated Surface Area	12 ac.	70 ac.	77.9 ac.
Estimated Average Depth	50'	16'	55'
Estimated Maximum Depth	80'	16'	55'
Is the Impoundment Designed to Discharge ¹	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
Primary Water Source: Ground or Surface Water	Ground	Ground	Ground

¹For EACH impoundment designed to discharge water into a stream or other drainage area, the applicant MUST complete a **Pond/Impoundment Design**. Also, impoundments designed to discharge may require NPDES permits from the Ohio Environmental Protection Agency. The issuance of a surface mining permit does **NOT** exempt operators from obtaining all other necessary state and federal permits.

29. Describe all measures that you will take to prevent contamination of water in each of the impoundments described above.

No contaminants will be intercepted or introduced during mining or reclamation. Frequent inspection of onsite mining equipment and fuel tanks will be made in order to prevent accidental spills or leaks. Should any spills or leaks occur, immediate remedial action will be taken per state/federal requirements.

30. A. What measures will you take upon completion of mining and reclamation to restrict access where access is not required by the intended future use of the impoundment?

Safety berms, barricades, rock barriers, and the creeks will restrict access.

- B. What measures will be taken to provide for safe and adequate egress from the impoundment?

The permanent lakes created by the operation will serve as wildlife habitat. Reclaimed berms will be maintained on all sides of the quarry with "No Trespassing" signs posted. Access will be restricted by a locked gate at the entrance. Haul roads leading into the quarry will be left to provide egress from the impoundment. In addition, egress will be provided by the 3:1 slopes, above the water line, on the overburden materials used to backfill highwalls, at locations to be determined.

31. Will highwalls be included in the final land form? ☒ Yes, ☐ No If "yes," applicants must provide the following information.

- A. Estimated proposed height of final highwall (in feet): **100' (MA#4)**
- B. If an impoundment is the proposed final land form, what will be the maximum height of exposed highwall above the high water mark of the impoundment? **62'**
- C. Describe in detail, the specific practices that will be employed to stabilize all remaining highwalls. Include information about the site-specific geological formation.

The horizontal bedding plane of the limestone formation at this site will result in highwalls that are normally stable. If significant backbreak, overhang, loose or unstable materials is encountered, conditions will be remediated by scaling, pre-splitting, preshearing, and/or cushioning.

- D. What provisions will be made to provide for public safety and to restrict access to highwalls from above and provide egress from the pit area?

Speed limits and blasting signs will be erected. Barrier mounds will be posted with "No Trespassing" signs. Stone covered roads will be left upon completion of mining to provide for access to the final lakes.

The creeks, trees, and shrubbery along the boundaries, and the rural nature of the property will restrict access.

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ODNR-DMRM
Lebanon Office

RESOILING/PLANTING PLAN

32. What material(s) will be used for resoiling upon completion of mining?

Check All That Will Be Used	Material	Average Depth on Permit Area	Depth to be Redistributed for Reclamation
☒	TOPSOIL	2"	A topsoil & subsoil mixture will be redistributed to 6".
☒	SUBSOIL	3'	"
☐	SUBSTITUTE* Specify below		

*If sufficient quantities of topsoil and subsoil do not exist for reclamation, specify what substitute resoiling material will be utilized to insure successful reclamation of the site? (Identify stratum or mixture to be utilized and include evidence that the substitute resoiling material will support vegetation capable of self-regeneration and plant succession, including a standard soil test analysis.)

NA - Sufficient quantities of topsoil and subsoil exists on the site for reclamation purposes.

33. Describe the plan for redistribution of topsoil and/or subsoil on all graded areas. Be specific.

Topsoil and subsoil will be removed prior to quarrying, and stockpiled on the perimeters of the permit area. The stockpiles will be seeded, if necessary, to prevent erosion. Final reclaimed overburden slopes will be resoiled with a minimum of 6" of redistributed topsoil and subsoil mixture. Although some topsoil and subsoil will be sold, sufficient quantities will be stockpiled to satisfy resoiling needs.

34. Describe how the seedbed will be prepared, planted and protected. (Include: equipment, lime and fertilizer to be used per soil test results, moisture retention and erosion control methods to be employed.)

The soil will be roughened using a tractor outfitted with a rake/harrow. Seed will be distributed using a tractor with a broadcast seeder according to the seed rates listed below. Lime and fertilizer will be added as needed in accordance with soil tests. Mulch and/or straw will be used to cover the seeded areas at a rate of approximately 2 tons per acre, as needed, for moisture retention and erosion control. Mulch/straw will be distributed using a straw shooter or similar equipment.



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35. Identify the species and the amount of grasses, legumes and nurse crops that will be planted to vegetate areas affected by the surface mining operation:

RECLAMATION PLANTING LIST

GRASSES (specify a minimum of 2 species)	Pounds Per Acre to be Planted
Timothy	10
Orchard Grass	10
LEGUMES (specify a minimum of 2 species)	Pounds Per Acre to be Planted
Clover: Red & White	10 each
NURSE CROPS (fast growing species to establish quick cover)	Bushels/Pounds Per Acre to be Planted
Annual rye grass, oats, or rye	Rye grass--8 lbs; Grains--1.5 bu
TREES (list species)	Seedlings Per Acre to be Planted
OTHER (Agricultural crops, Wildlife Species, etc.)	Seeding/Planting Rate



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Signature Page and Statement of Accuracy

ALL INFORMATION AND DATA PROVIDED IN THIS APPLICATION, ANY APPLICABLE EXHIBITS AND ATTACHMENTS THERETO ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

Signed on this 22nd day of April, 2022.

Signed: _____

Printed Name and Title: Dennis J. Garrison, President

Submit three (3) copies of any new surface mining permit application with at least one containing all necessary original signatures to:

Ohio Department of Natural Resources
Division of Mineral Resources Management
Permitting Section
2045 Morse Road, Building H-2
Columbus, OH 43229-6693

New permit applications forwarded directly by the applicant to the DMRM regional office(s) will result in a delay in the review and processing of the application.

Renewal permit applications should be submitted in triplicate to the appropriate regional office.



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Ohio Department of Natural Resources
Division of Mineral Resources Management

Industrial Minerals Blasting Design

Permit No. IM-340
or
Appl. No. _____

Applicant's Name: Enon Sand and Gravel LLC - IM-340 (Demmy Site)



1. Place an "X" in the box next to each paragraph that describes the general type(s) of blasting to be used.

- ☒ **Limestone, dolomite or sandstone production blasts**, with typical hole depths of about 20 to 120 feet, drilled vertically; hole diameters of about 4 to 8 inches; burdens and spacings ranging from about 10 to 20 feet (depending largely on hole diameter, rock and explosive types); explosives consisting of bulk or bagged ANFO, emulsions or blends, and cast primers with delay detonators; stemming with drill cuttings or crushed stone; and delay separations between holes and rows.
- ☒ **Overburden blasts** in rock materials above the production blasts, with design criteria similar to the production blasts described above.
- ☒ **Cap rock blasts or shallow production blasts** (e.g., less than about 15 feet deep), in limestone, dolomite, clay, shale or sandstone, with smaller hole diameters, burdens and spacings than the production blasts described above.
- ☒ **Small-scale presplit blasts** for dimension stone, rip-rap, or final wall control, using closely spaced small-diameter holes (normally in a single row), decoupled explosive charges such as large-grain detonating cord or small-diameter cartridges, and short (or no) delay periods between holes.
- ☐ **Other:** *Describe below.*

2. Place an "X" in the box next to each paragraph below that applies to the method(s) to be used to demonstrate compliance with applicable ground vibration and airblast limits at dwellings, public or commercial buildings, schools, churches, or community or institutional buildings (outside the permit area and not owned by the permittee).

- ☒ A seismograph will be used beside the nearest dwelling or building to demonstrate that: 1) the ground vibration did not exceed the frequency-dependent particle velocity limits of Appendix B in the U.S. Bureau of Mines RI 8507 (1980); and 2) the airblast, measured with a two-hertz, high-pass system, did not exceed 133 decibels.
- ☒ If a seismograph is not used as indicated in the above paragraph, the maximum weight of explosives detonated per delay (within any period less than 8-milliseconds) will comply with the scaled distance equation, $W=(D/90)^2$, where W is the maximum allowable charge-weight per delay (in pounds), D is the distance (in feet) to the nearest dwelling or building and "90" is the required scaled distance factor.

ORIGINAL

- ☐ In applying the USBM limits to the nearest dwelling or building, the lower plateau (for plaster-on-lath) at 0.50 inches per second (ips) shall apply at its corresponding frequencies, unless the permittee submits site-specific evidence to support the application of the higher plateau (for drywall) at 0.75 ips, relative to a single dwelling/building or group of dwellings/buildings, as appropriate. **Place an "X" in this box only if such evidence has been submitted as an addendum to this application item.**
- ☐ The ground vibration and airblast limits may be waived by the current owner or controlling authority of a dwelling or building. **Place an "X" in this box only if such a waiver, in the form of a written consent, has been submitted as an addendum to this application item.**

3. Place an "X" in the box next to each paragraph below that applies to the method(s) to be used to demonstrate compliance with applicable ground vibrations limits at the nearest structure not listed in item 2, above, such as oil/gas wells, oil/gas transmission and distribution lines, high-voltage steel transmission towers, public water lines, dams, silos, and unoccupied barns and pole buildings (outside the permit area, and not owned by the permittee).

- ☒ A seismograph will be used beside the nearest structure (or above it, if buried) to demonstrate that a peak particle velocity of 2.0 ips was not exceeded.
- ☒ If a seismograph is not used as indicated in the above paragraph, the maximum weight of explosives detonated per delay (within any period less than 8-milliseconds) will comply with the scaled distance equation, $W=(D/40)^2$, where W is the maximum allowable charge-weight per delay (in pounds), D is the distance (in feet) to the nearest structure, and 40 is the required scaled distance factor.
- ☐ A peak particle velocity limit higher than 2.0 ips may be approved for a specific structure if supported by site-specific technical evidence. **Place an "X" in this box only if such evidence has been submitted as an addendum to this application item.**
- ☐ The ground vibration limit may be waived by the current owner or controlling authority of a structure. **Place an "X" in this box only if such a waiver, in the form of a written consent, has been submitted as an addendum to this application item.**

4. In the space below or as an addendum to this application item, identify any site-specific conditions requiring special blasting considerations. (If none, write "NONE".) Then describe in detail, the blast design features, scheduling, traffic control, or other appropriate methods to accommodate the site-specific conditions. *(As an example, blasting close to a major highway would be a site-specific condition; methods to ensure the safety of the motoring public would include such things as blast design criteria to prevent flyrock, and traffic control measures suited to the type of highway.)*

The following seismographic requirements are supplemental to any other monitoring requirements in the blast plan, and will apply to blasting within 1,000 feet of dwellings at are outside the permit limits and not owned by the permittee:

1. Every blast will be monitored with seismograph outside the nearest dwelling.

2. To account for potential directional effects on ground vibration and airblast levels, every blast will also be monitored outside a second dwelling that is in a different direction from the nearest dwelling by at least 45 degrees (if such a dwelling exists within 1,000 feet).

3. If blsing in the area between the J. & W. Goodbar property and the Echo Hills Estates subdivision, monitoring will be conducted outside the nearest dwelling to the south and the nearest dwelling to the north.

The following will apply to blasting in the vicinity of a public road:

Whenever the blaster-in-charge or quarry foreman determines that the blasting area may extend to within 300 feet of the paved portion of Farifield Pike, Garrison Road, or Tecumseh Road, and at larger distances whenever the blaster-in-charge determines that the blasting area would extend to the pavled portion of any road, the road will be closed to traffic during the detonation of the blast.

Stoppage of traffic will be conducted in a safe and legal manner, using flagmen, 2-way radios, appropriate signs, and assistance (if required by law) from the Ohio Highway Patrol and/or other appropriate road authorities.

As blasting approaches the adjoining road, increased stemming and berming of holes will be used, as necessary, to prevent flyrock. Stemming will be at least "0.5 X Burden", using crushed stone.

If traffic is stopped during blasting, such action will be documented on the blast record.



ORIGINAL

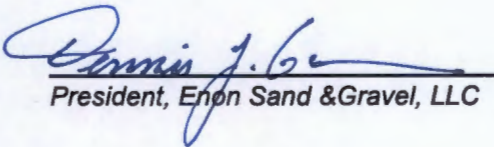
Zoning Letter

Enon Sand and Gravel LLC

Clark County, Mad River Township

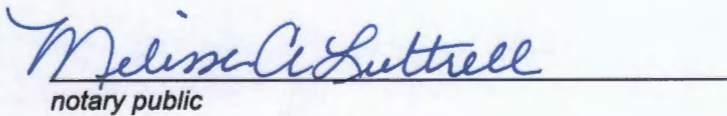
Industrial Permit # 340

In accordance with Sec. 1514.02 (A)(14), during the term of this permit and any renewal, we will comply with all applicable zoning resolutions or ordinances that are in effect at the time of this application, unless the resolutions or ordinances subsequently become invalid during the term of the permit or renewal.


President, Enon Sand & Gravel, LLC

4/18/2022
date

Acknowledged before me, a Notary Public, this 18th day of April, 2022.


notary public



MELISSA A. LUTTRELL
NOTARY PUBLIC
STATE OF OHIO
My Commission Expires 02/02/2027

ORIGINAL



Ohio Department of Natural Resources
Division of Mineral Resources Management
Lease/Deed Affidavit

Appl. No. _____
or
Permit No. 340

Applicant/Operator: Enon Sand and Gravel LLC

Pursuant to 1514.02, O.R.C., I/(we) Enon Sand and Gravel LLC as authorized representative(s) of Enon Sand and Gravel LLC attest to the fact that I (we) have consent to mine the following minerals on the following location by virtue of a lease or deed or other document that is available for submission to ODNR if requested.

PROPERTY LOCATION:

COUNTY	TOWNSHIP	SECTION	LOT	T-, R-	ACRES
Clark	Mad River	23, 24, 29		T-4N, R-8E	420.6

Mineral Owners of Property:

Name: Enon Sand and Gravel LLC

Address: P.O. Box 158
Sabina, Ohio

Surface Owners of Property:

Name: Same

Address: _____

Minerals to be Mined: Sand & Gravel and Limestone

Further Description of Property:

Mining Rights Authorized by Virtue of:

Lease ☐ Dated _____ for a period of _____ years beginning _____
and ending _____ Is lease assignable? ☐ yes ☐ no

Deed ☒ Dated July 2015

Other ☐ Describe: _____

Nathan Sany
Signature of Affiant

Sworn to before me & subscribed in my presence this

Representative
Title _____

6th day of September, 2022.

9/6/2022
Date

Nathan Sany
Notary Public

ORIGINAL





P.O. Box 97 Terrace Park, OH 45174 Office: 740-694-5900 Fax: 866-677-4941 www.mine-services.com

Mr. Johnathan A. Burr, P.E., P.S.,
Clark County Engineer
4075 Laybourne Road
Springfield, OH 45505

April 18th, 2022

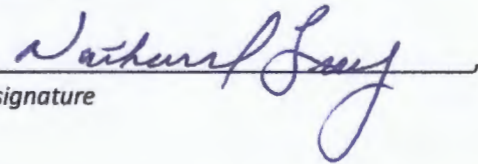


Dear Mr. Burr,

Enon Sand and Gravel LLC is applying to renew Surface Mine Permit number IM-340 to mine sand and gravel as well as limestone with the Ohio Department of Natural Resources, Division of Mineral Resources Management. The proposed mine site is located in Sections 23, 24, and 29 of Mad River Township in Clark County. Access to and from the permitted area will remain on Fairfield Pike.

As per Sec. 1514.02 (A)(17) of the Ohio Revised Code, we are required to provide a statement that the applicant, Melvin Stone Company, "has communicated with the county engineer of the county in which the proposed surface mining operation will be located regarding any streets and roads under the county engineer's jurisdiction that will be used by vehicles entering and leaving the proposed surface mining operations." Please consider this letter to be the required "communication."

Sincerely,


signature

Representative,
title

Cc: ODNR, Division of Mineral Resources Management

ORIGINAL

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com	
Springfield, OH 45505	
Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00
Postage	\$0.58
Total Postage and Fees	\$4.33
Sent To Mr. Johnathan Burr, Clark Co. Engineer 4075 Laybourne Road Springfield, OH 45505	

0974 06
Postmark Here
04/18/2022

50' CONSENT - PUBLIC ROAD

Applicant/Operator DEMMEY CONSTRUCTION, INC.

Pursuant to Sections 1514.02(B) and 4153.11 of the Ohio Revised Code, surface mining may not occur within 50' of the right of way of a public road without consent of the authority charged by law with the maintenance of that public road.

The above named operator proposes to conduct the following activities:

☒ Surface mine within 50 feet of the right of way.
☒ Store overburden within 50 feet of the right of way.
☐ Remove road.
☐ Relocate road.
☐ Other (specify) 26' REC



Public Road:

Township Road No. _____
County Road No. 322
State Route No. _____
Other (identify) _____

Authority charged with maintenance of this road:

☐ Board of Township Trustees for _____ Township
☐ Board of County Commissioners for _____ County
☐ ODOT, Deputy Director District _____
☒ Other (identify) CLARK COUNTY ENGINEER

We, the authority charged with maintenance of this road, hereby give consent to these activities:

Robert C. Guleg County Engineer 5/7/96
Name Title Date

Name Title Date

Name Title Date

Attach: A) A photo copy of the surface mine permit map showing the road or portion thereof to which this consent applies. Highlight the area of the proposed activity.

B) A cross section (to scale) depicting the final land form which includes the edges of the pavement, the center line, the right of way line, and the limits of the consent.

This road permit is contingent upon ODNR approval and is valid only in conjunction with the Surface Mine Permit issued above. This consent form must bear original signatures or be a certified copy thereof. NOTE: Must be filed in triplicate.

FOR DIVISION USE ONLY

☒ Approved 7/12/96

☐ Disapproved

[Signature]
Chief, Division of Reclamation

7/25/96
Date

ORIGINAL INSPECTOR

RECEIVED
SEP 06 2022
ODNR-DMM
Lebanon Office

ORIGINAL

FAIRFIELD

Mary E. Fuller
5002

5002
5002
5002

5002
7-001

5002

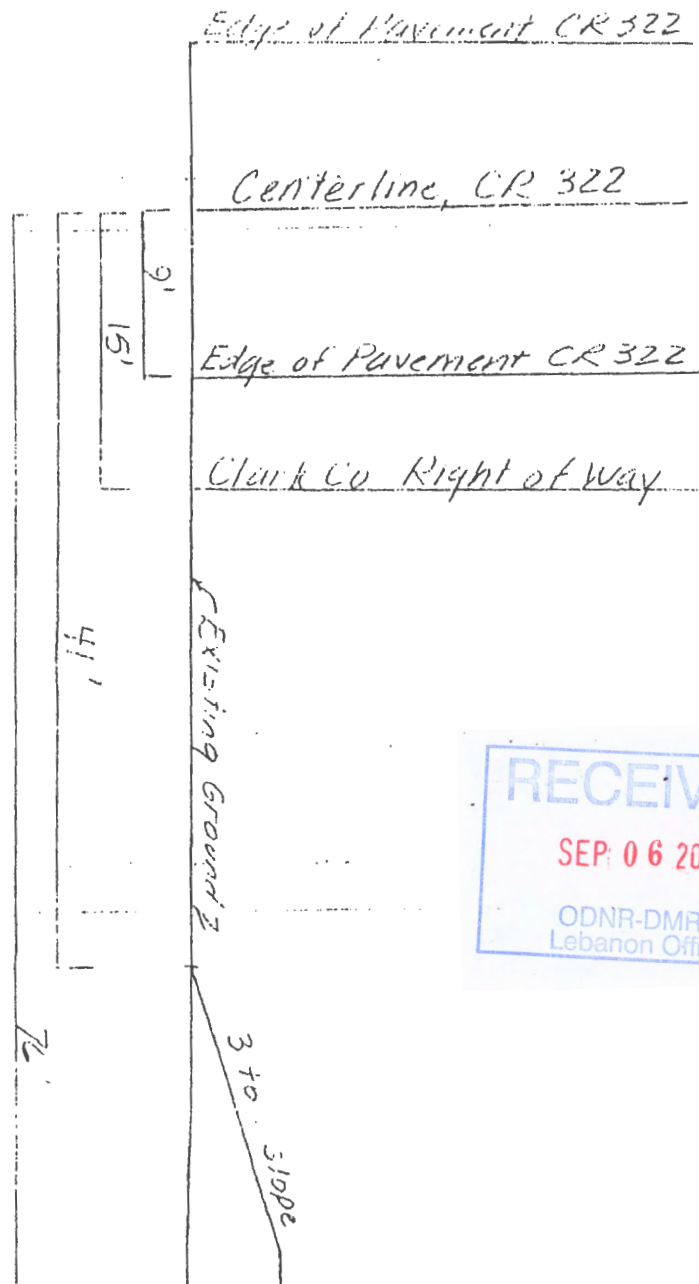
5002

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5002



INSPECTOR

ORIGINAL



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/24/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER The James B. Oswald Company 36 E. Seventh St Suite 2625 Cincinnati OH 45202	CONTACT NAME: Megan Dent PHONE (A/C, No, Ext): (513) 725-0306 E-MAIL ADDRESS: mdent@oswaldcompanies.com FAX (A/C, No):
INSURED Enon Sand & Gravel Aggregate Management ES&G Enterprises, LLC d/b/a Enon Sand and Gravel, LLC 1655 Enon Road, Springfield OH 45502	INSURER(S) AFFORDING COVERAGE INSURER A: Zurich North America INSURER B: Allied World Assurance Co. (US) INSURER C: INSURER D: INSURER E: INSURER F:

COVERAGES

CERTIFICATE NUMBER: 22/23 Enon Sand and

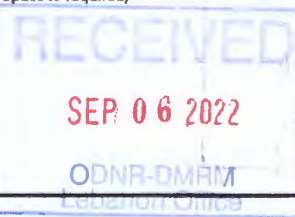
REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PROJECT ☒ LOC OTHER:			GLO0544366-02	04/01/2022	04/01/2023	EACH OCCURRENCE \$ 5,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 5,000,000 GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COMP/OP AGG \$ 10,000,000
	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY			BAP0544367-02	04/01/2022	04/01/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 5,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE DED RETENTION \$			0312-2858	04/01/2022	04/01/2023	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
	☒ WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WC0544368-02	04/01/2022	04/01/2023	☒ PER STATUTE ☒ OTHER Incl Ohio Stop Gap E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

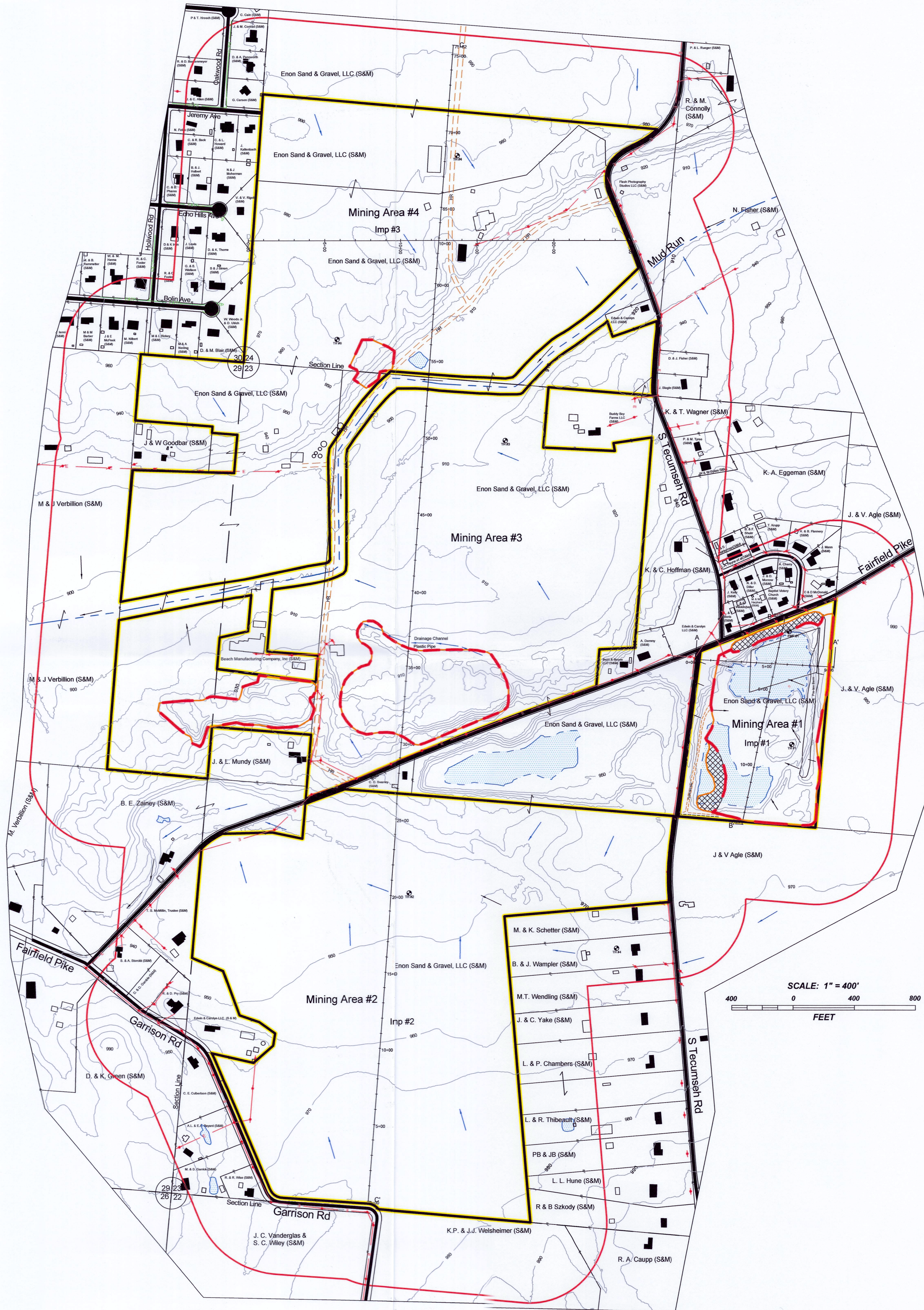
ORIGINAL



CERTIFICATE HOLDER

CANCELLATION

Ohio Dept of Natural Resources Div. of Mineral Resource Mgmt. 2045 Morse Road Bldg. H-3 Columbus OH 43229-6693	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>[Signature]</i>
---	---



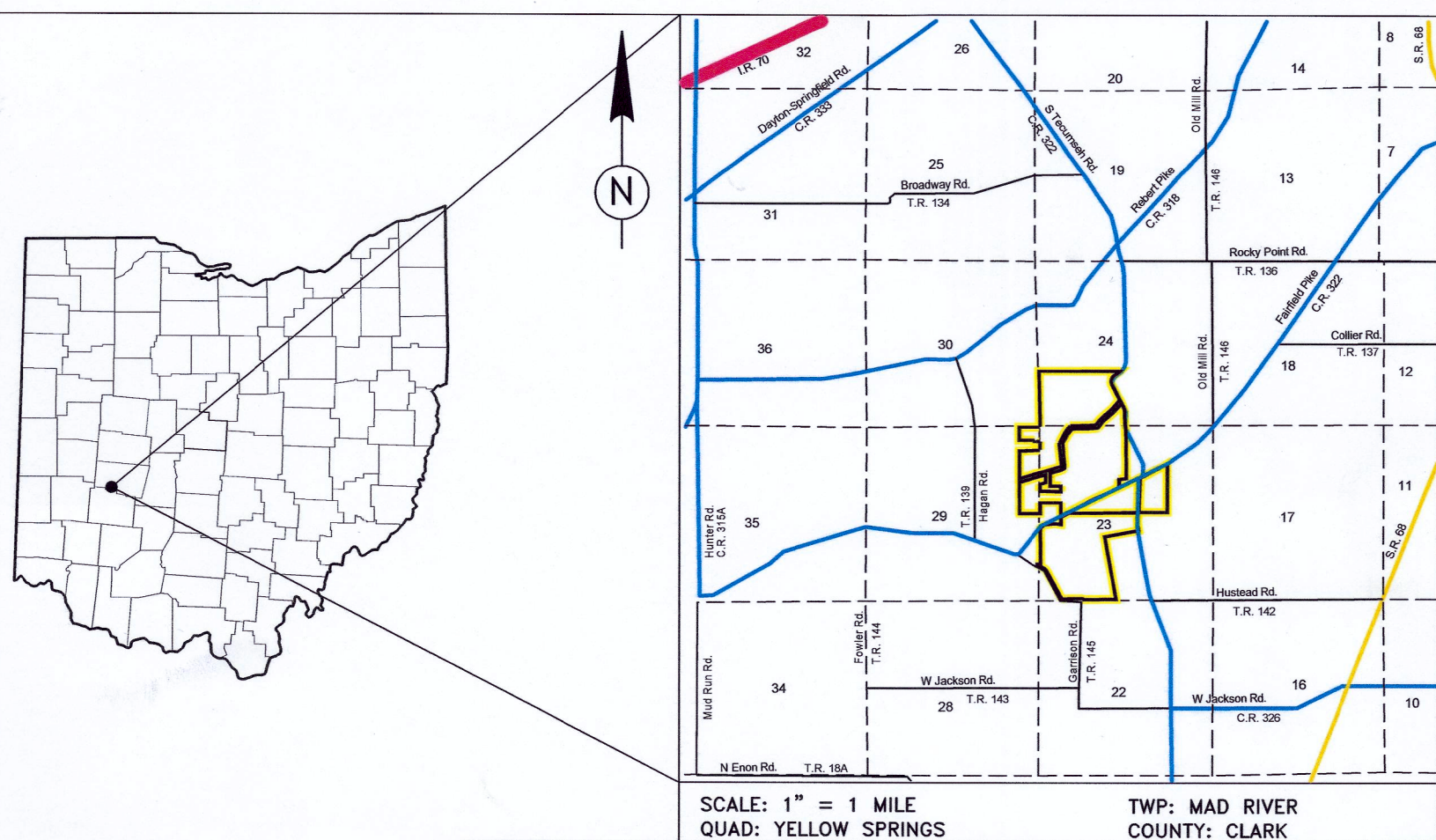
ANNUAL SUMMARY										
MINING YEAR	1	2	3	4	5	6	7	8	9	10
AREA TO BE RECLAIMED	0.5	0.3	0.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0
AREA TO BE AFFECTED	2.1	3.6	4.7	5.7	5.6	10.9	10.9	10.9	13.5	13.5
AREA AFFECTED TO DATE	1.3	2.5	4.8	6.8	10.9	10.9	13.2	14.6	14.6	17.9
AREA GRADING RELEASE REQUEST	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AREA PLANTING RELEASE REQUEST	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ACTIVE AREA	0.8	1.7	3.7	4.8	9.8	9.8	12.1	13.5	13.5	16.8
MINING YEAR	11	12	13	14	15	16	17	18	19	20
AREA TO BE RECLAIMED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AREA TO BE AFFECTED	16.8	16.8	17.7	21.0	23.0	23.5	23.5	23.5	23.5	31.6
AREA AFFECTED TO DATE	17.9	18.4	21.6	24.1	24.6	24.6	24.6	24.6	32.4	33.2
AREA GRADING RELEASE REQUEST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
AREA PLANTING RELEASE REQUEST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ACTIVE AREA	16.8	17.3	20.5	23.0	23.5	23.5	23.5	23.5	31.3	31.3
MINING YEAR	21	22	23	24	25	26	27	28	29	30
AREA TO BE RECLAIMED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AREA TO BE AFFECTED	31.3	34.1	34.7	34.7	35.7	35.7	35.7	36.5	36.5	36.5
AREA AFFECTED TO DATE	36.0	36.6	36.6	37.6	37.6	37.6	38.4	38.4	38.4	38.9
AREA GRADING RELEASE REQUEST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AREA PLANTING RELEASE REQUEST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ACTIVE AREA	34.1	34.7	34.7	35.7	35.7	35.7	36.5	36.5	36.5	37.0
MINING YEAR	31	32	33	34	35	36	37	38	39	40
AREA TO BE RECLAIMED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AREA TO BE AFFECTED	37.0	37.0	37.0	37.0	37.0	37.0	37.9	37.9	37.9	19.2*
AREA AFFECTED TO DATE	38.9	38.9	38.9	38.9	38.9	39.8	39.8	39.8	39.8	41.0
AREA GRADING RELEASE REQUEST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AREA PLANTING RELEASE REQUEST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ACTIVE AREA	37.0	37.0	37.0	37.0	37.0	37.9	37.9	37.9	37.9	39.1
MINING YEAR	41	42	43	44	45	46	47	48	49	50
AREA TO BE RECLAIMED	0.0	0.0	0.0	0.0	0.0					
AREA TO BE AFFECTED	39.1	39.1	39.1	39.1	39.1	39.1				
AREA AFFECTED TO DATE	41.0	41.0	41.0	41.0	41.0					
AREA GRADING RELEASE REQUEST	0.0	0.0	0.0	0.0	0.0					
AREA PLANTING RELEASE REQUEST	0.0	0.0	0.0	0.0	0.0					
ACTIVE AREA	39.1	39.1	39.1	39.1	39.1					

* PRIOR TO THE ADDITION OF 19.9 ACRES OF AREA TO BE AFFECTED FROM IM-375.

AREA SHOWN RECLAIMED THEN REAFFECTED	YEAR	ACREAGE
	5	0.9

Delinquent Reclamation	
Area Released	1.9 ac.
Permit Area	420.6 ac.

SCALE: 1" = 400'
0 400 800
FEET



-LEGEND-	
Natural drainage	Pumped Drainage
Intermittent Stream	Diversion Ditch
Perennial Stream	Permit Area
Previous Strip Mining	Test Hole
Contour Line	Property Line
Haul Road	Topsoil Storage
Culvert	Entrance Sign
Existing Sediment Pond	Constructed Sediment Pond
Public Road	Inaccessible Public Road
Commercial/Business Building	Water Treatment Facility
Occupied Building	Gas Well Active
Unoccupied Building	Gas Well Inactive
Surface and Mineral Owner (S&M)	Slope Measurement
Mineral Leasee (L)	Existing Water Impoundment
Begin Mining Point	Existing Highwall
End Mining Point	Mining Limits/Proposed Final Highwall
Proposed Sediment Pond	Sump
Overhead Utility Lines	Underground Utility Lines
500' Mapping Limit	

- NOTES:
- There will be no mining highwalls within 50' of adjacent property lines or public or private road right of ways without proper consent.
 - There are no known deep mines or oil or gas wells within 500' of the permit area.
 - Utilities marked on the drawings are approximated from field observations and aerial photos.
 - Permit Area: 420.6

STATE PLANE COORDINATES
SOUTH ZONE
Northing - 677,190
Easting - 1,576,319

I, the undersigned, hereby certify that this map is correct, and shows to the best of my knowledge and belief all of the information required by the surface or in-stream mining laws, as applicable, of the state.

Bruce D. Eckelberry
STATE OF OHIO
D. BRUCE D. ECKELBERRY
S-7103
REGISTERED PROFESSIONAL SURVEYOR

Acknowledged before me a Notary Public, this 29th day of Aug 2022

David K. Longfellow
DAVID K. LONGFELLOW
Notary Public
In and for the State of Ohio
My Commission Expires: March 1, 2023

Year 45 Annual-Renewal Map IM-340
for: Enon Sand and Gravel, LLC

P.O. Box 158
Sabina, Ohio 45169
Tel: (740) 926-9152

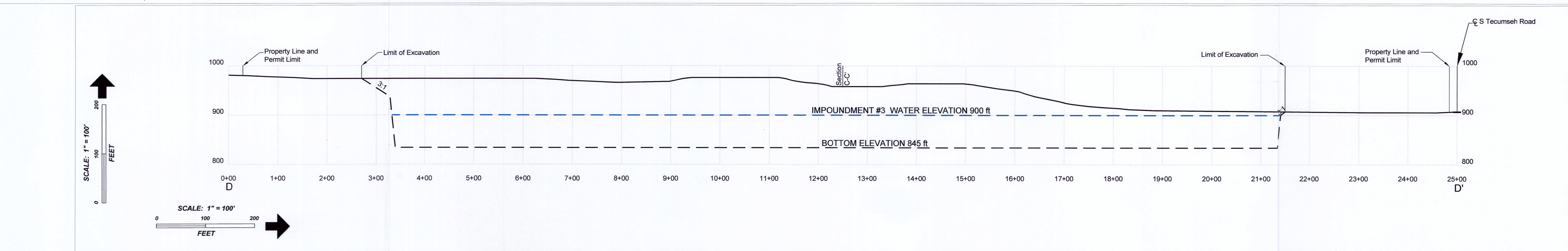
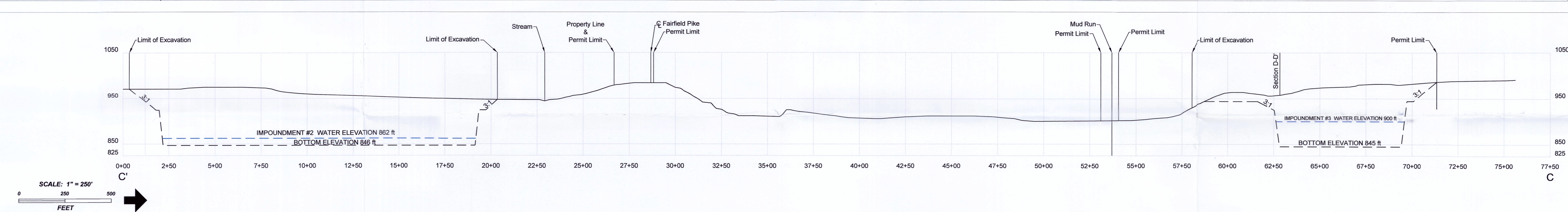
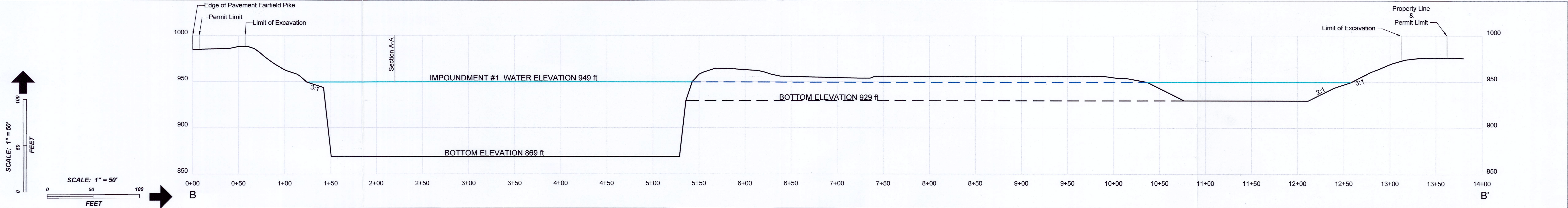
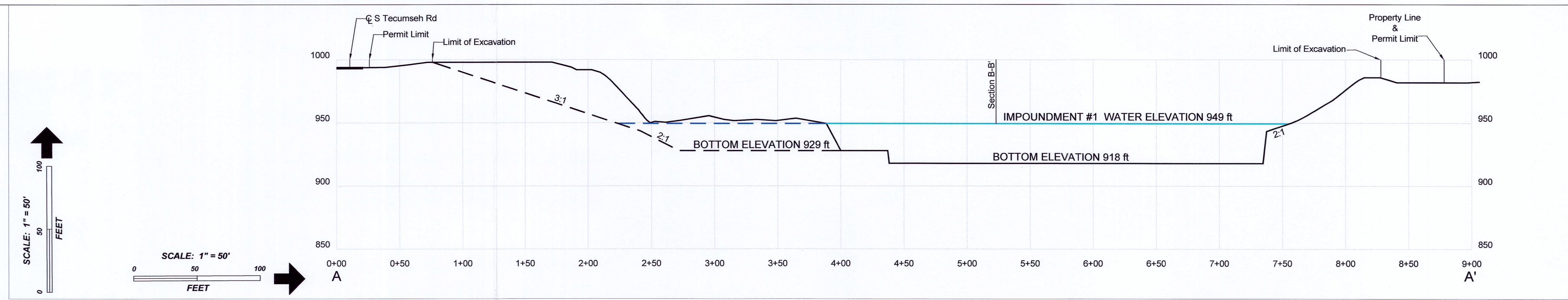
Prepared by: BUCKEYE MINERAL SERVICES, INC.
P.O. Box 546, 634 COOKSON AVE.
NEW PHILADELPHIA, OHIO 44663-0546
PHONE: 330-339-2100 FAX: 330-339-2278



Surface Mine Location:	Sections	County	State	Township	Range	Scale	Contour Interval	Date	Revised	Revised
ENON	23, 24 & 29	Clark	OH	Mad River	4E	1" = 400'	10'	4/20/2022	8/24/2022	



The topography on this map was generated from LIDAR data acquired from the State of Ohio OGRIP Office. This LIDAR data was collected in March/April 2006. The property lines were compiled from county tax maps, deeds and/or leases; and have not been field verified by survey. All measurements, acreages and depictions on this map are approximations that meet the requirements of ORC Chapter 1514. They do not, nor are they intended to meet the standards of a legal land survey.



RECEIVED
SEP 06 2022
ODNR-DMRM
Lebanon Office

CURRENT CONTOURS
CURRENT IMPOUNDMENTS
PROPOSED CONTOURS
PROPOSED IMPOUNDMENT
(INCLUDING CURRENT IMPOUNDMENTS)

PREPARED BY
BUCKEYE MINERAL SERVICES, INC.
834 COOKSON AVE.
P.O. BOX 546
NEW PHILADELPHIA, OHIO 44663
(330)339-2100

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DATE: 4/20/2022
REV: 8/24/2022
SCALE: As Indicated

RECLAMATION CROSS-SECTIONS
YEAR 45 ANNUAL & RENEWAL MAP
PERMIT IM-0340
Enon Sand and Gravel, LLC

IMPOUNDMENTS/LAKES
WHERE ONLY SAND AND GRAVEL IS MINED:
FINAL SLOPES NO STEEPER THAN 33% (3:1) WILL BE MAINTAINED ABOVE THE WATER AND TO A WATER DEPTH OF 6 FEET. BELOW THE 6 FOOT WATER DEPTH THE SLOPE WILL BE 50% (2:1) OR ANGLE OF REPOSE
WHERE LIMESTONE IS MINED SLOPES MAY BE NEAR VERTICAL

ORIGINAL