

**DESIGN 45, LLC.**  
TECHNICAL DESIGN

**M-B SITE  
FOR  
JOHN S. OYNICK, INC.  
CHIPPEWA COUNTY, WI**

# NON-METALLIC MINING RECLAMATION PLAN

**Operator:** John S. Olynick, Inc.

**Owners:** Donald Bohl  
Walter Markowski

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## Summary

This reclamation plan has been developed to provide information about the existing site of the proposed mine, the proposed site operations, and how the mine will be reclaimed to the proposed post mining land use.

This reclamation plan is for a 50 acre site located east of the intersection of 105<sup>th</sup> Avenue and 330<sup>th</sup> Street and north of 100<sup>th</sup> Avenue in the Town of Delmar (Appendix A). The land currently does have an existing sand and gravel pit at the site, operated by John S. Olynick, Inc. The site is currently permitted under NR135 with Chippewa County (Permit number 2002-05). The site is also permitted with the DNR (FIN# 23140, FID # 609027980).

The operator will mine sand and gravel that is located on glacial outwash that is characterized as meltwater stream sediment from the Chippewa Lobe. The site will be mined above and below the water table and will be reclaimed as aquatic wildlife habitat/conservancy.

**A. Site Information**

**1. Landowners**

Landowner: Donald L. and Marlene B. Bohl  
Address: 33190 100<sup>th</sup> Avenue  
City, State, ZIP: Stanley, WI 54768  
Landowner: Walter and Christine Markowski Trust  
Address: 32556 100<sup>th</sup> Avenue  
City, State, ZIP: Boyd, WI 54768  
  
Applicant: John S. Olynick, Inc.  
Address: N7918 State Hwy. 73  
City, State, ZIP: Gilman, WI 54433

**2. Leases:**

See (Appendix B).

**3. Legal Description**

Tax Parcel Number(s):

**Markowski**

22905-1623-00000000  
SW NW, 39.5 acres

22905-1632-00210000  
NW SW the N 1/2, 19.9 acres

**Bohl**

22905-1632-05010000  
NW SW the S 1/2, 19.9 acres

22905-1633-00020000  
SW SW ex CSM #4071 subject to gravel & soil lease to John S. Olynick, Inc. until  
8/2012 per document# 647046 r/w easement to Chippewa Valley Electric Cooperative  
per document# 785512. 36.1 acres

22905-1631-00000000  
NE SW 39.8 acres

22905-1634-00020000  
SE SW ex the South 500' of the West 420'. 34.2 acres

**4. Property Owners Within 660 Feet of Project Site**

Earl T. Chwala	Charles F. Dusick
Gregory J. & Carrie J. Derks	Weaver M. & Lovina A. Zimmerman
Howard B. & Betty M. Vait	Todd R. Ponick
Kyle T. & Tammy M. Sikora & Pilgrim	Duane H. & Nancy A Bohl

**5. Soil Information**

A wetland delineation was completed by Stantec, (Appendix C).

Soil Survey of Chippewa County shows the soils at the mine site are mapped as Cm, CkD2, SrB, SaC2, and AgB,

The site does have an existing gravel pit. The horizons are visible on the face of the excavation. Test holes were also dug in early 2015.

A horizon –12 inches of topsoil

B horizon - Approx. 3-7’ of grey clay

Using the soil survey estimates the maximum volume of topsoil for the entire mine site is 48,000 cubic yards of topsoil and 186,000 cubic yards of subsoil.

**6. Groundwater information**

Based on the 1988 UW-Extension Map “Generalized Ground-Water Elevation for Chippewa County Wisconsin” groundwater is flowing northwest towards Coldwater Creek. Groundwater elevation is approximately 1095 feet.

**B. Site Operations**

**1. Description of Materials to be Extracted**

Sand and gravel products will be extracted and processed at the site.

**2. Extraction and Processing to be Conducted at the Site**

An existing driveway is established at the site, which enters off of 100<sup>th</sup> Avenue. Sand & gravel will be mined or crushed, and removed from the site. A second entrance and field road is established at the Northwest corner of the site on 330<sup>th</sup> street; this road will be used upgrade for truck traffic and will be used for Phases 2 and 3. A portable crushing plant may be used to process the material and stockpile it on site. Materials within the mine will be excavated and transported using bulldozers, excavators, trucks, end loaders, and crushing equipment.

Sand and gravel will be excavated from the mine in two lifts. The first lift will be to an elevation 2 feet above the water table. The second lift will be removing the floor of the pit. A collection pond will be created at the Southwest corner of the site. A second collection pond will eventually be created at the Northwest corner of the site. No high capacity wells will be installed or used to support sand and gravel processing.

No flocculants or other chemicals will be used to support sand and gravel processing. No waste materials that are generated off-site will be hauled to the mine, stockpiled or used in site reclamation.

**3. Volumes of Materials**

A sequence of mine phases is planned to systematically mine and reclaim the site. The anticipated area of disturbance and estimated volume of raw materials to be removed during the life of the mine is as follows.

Phase	Area (acre)	During 1 <sup>st</sup> two years (cubic yards)	During Full Life of Operation (cubic yards)
1	25.11	Approx. 40,000 yds.	600,000
2	11.49		500,000
3	6.05		400,000
4	7.02		100,000
Total	49.67	Approx. 40,000	1,600,000

**4. Site Dewatering and Effluent Discharge**

The site will be an externally drained. Sediment ponds will be constructed in accordance with the DNR Conservation Practice Standards for Sediment Basins-1064. These ponds will be oversized as they will become larger as the floor of the pit is removed, creating a permanent pond. The outlet elevation for sediment pond number 1 will be set at 1092'. This elevation is 2' above the water table. The outlet elevation for sediment pond number 2 will be set at 1118'. This elevation will be 2' above the existing ground, however, this pond is expected to be a retention pond only.

Site dewatering will be anticipated. Dewatering will only take place if the pit floor is under water. No dewatering below the water table will take place. All dewatering through pumping will be monitored and will meet all the process water discharge requirements in the DNR storm water permit.

**5. Stormwater Permits/Management**

The operator will obtain a Wisconsin DNR Nonmetallic Mining stormwater permit and manage stormwater in accordance with the standards established in the permit. At a minimum stormwater will be contained within the mine boundaries for all rainfall events up the 10 year, 24 hour frequency storm (4.1 inches).

Soil berms created during topsoil and subsoil stripping will be stabilized and used to contain and direct stormwater runoff towards the excavated floor of the mine where it will infiltrate. Stormwater will be managed this way over the entire life of the mine. A notice of intent will be sent to the DNR.

## **6. Erosion Control & Permits**

All topsoil and subsoil stockpiles will be graded to a slope of 3:1 or flatter and stabilized as soon as conditions allow conserving soil and limiting erosion. Silt fence will be installed along all soil stockpiles to control erosion. Berms will be stabilized using best management practices including seeding, mulching, erosion control mat, hydro-seeding, etc. Erosion and sediment control best management practices will be installed as determined by the Wisconsin Erosion Control Product Acceptability List (PAL) Channel and Slope Erosion Control Matrices (Appendix E).

## **7. Reclamation Activities During Operations**

A process of contemporaneous reclamation will be used to systematically mine and reclaim the site. Under this process the site will be reclaimed as soon as possible after materials have been extracted and processed using the planned phase sequence.

Most of Phase 1 and 2 will remain unreclaimed as Phases 3 and 4 are being mined and used as stockpile areas.

At the beginning of the mining operations for each phase all of the topsoil (estimated 1 foot) will be stripped and stockpiled in berms. Following topsoil stripping operations all of the subsoil (estimated 3-7 feet) will be stripped and stockpiled in berms that are separate from the topsoil berms. All berms will be shaped to a 3:1 slope or flatter and seeded with DOT Seed Mix 20(see Appendix D). Any woody debris from clear and grubbing will be incorporated into the shoreline of reclaimed areas. Mining operations will then excavate, process, and remove sand and gravel from the site.

When excavation of sand and gravel in a phase is complete rough grading work will be performed to create slopes around the perimeter of the mine that are 3:1 or flatter. Rough grading will also be performed to establish reclamation grades for the mine floor. Subsoil will then be placed over the slopes and flat lying areas of mine to a depth of 10 inches or more.

Topsoil will then be placed over the subsoil to a depth of 6 inches or more. Upon completion of subsoil and topsoil re-application, soils testing will be performed following procedures established in the Wisconsin Nutrient Management Standard 590 to determine the organic matter, phosphorus, potassium and pH. Soil amendments (including lime and fertilizer) will be applied based on the soil test results to meet the fertility requirements needed to achieve the intended post mining land use.

The site will then be seeded (Appendix D).

Reclamation test plots will be established within the first two years of mining. Test plots will be established for each post mining land use. These test plots will be monitored and used to help determine success in future areas of mine reclamation.

**8. Timetable/Sequence of Operations**

Location   Activity

Phase 1    The operator will start at the existing face and continue north towards Phase 2. This will take approximately 2-5 years. A collection pond will also be created at the Southwest corner of the site. Some removal of the pit floor will begin so reclamation can occur. Most of Phase 1 will remain for stockpiling of future phases.

Phase 2    The operator will continue excavating north and east towards Phases 3 and 4. Excavation will also continue west to the pit boundaries. A second sediment pond will be created in the Northwest corner of the site. This will take approximately 5-10 years. Most of Phase 2 will remain for stockpiling of future phases.

Phase 3    The operator will excavate to the pit boundaries of Phase 3. Removal of the pit floor will begin in Phases 2 and 3. Removal of the floor will continue south. Reclamation of Phases 2 and 3 will continue as the floor is being removed. This will take approximately 5-10 years.

Phase 4    The operator will excavate to the pit boundaries of Phase 4. Removal of the pit will begin in this phase and continue south. Reclamation of Phases 2 and 3 will be completed. Removal of the pit floor will continue south to the pit entrance. This will take approximately 5-10 years.

**9. Timetable**

Estimated period of operation/extraction for each phase:

Phase 1	2-5 years
Phase 2	5-10
Phase 3	5-10
Phase 4	5-10 years
<b>Total</b>	<b>17-35 years</b>

Demand for gravel products will dictate years of operation.

## C. Final Site

### 1. **Disposition of Structures and Roads**

The driveways will remain and provide access to the reclaimed area. There are no areas of concentrated flow entering, leaving, or within the reclaimed mine site.

### 2. **Soil Reapplication & Reconditioning**

Subsoil piles will be leveled off or used on slopes. This work will be done with scrapers or bulldozers. Slopes will be stabilized using best management practices including seeding, mulching, erosion control mat, hydro-seeding, etc. Erosion and sediment control best management practices will be installed as determined by the Wisconsin Erosion Control Product Acceptability List (PAL) Channel and Slope Erosion Control Matrices (Appendix E).

Subsoil material will then be removed from the berms with excavators or loaders and transported in dump trucks to the area in the mine to be reclaimed. Trucks will be routed to limit traffic over areas where subsoil has already been applied. Trucks will dump subsoil and bulldozers will spread the material to be 10 inches thick on the slopes and floor of the mine. The use of tracked equipment while spreading subsoil will limit soil compaction.

Topsoil material will then be removed from the berms with excavators or loaders and transported in dump trucks to the area in the mine to be reclaimed. Trucks will be routed to limit traffic over areas where subsoil or topsoil has already been applied. Trucks will dump topsoil and bulldozers will spread the material to be 6 inches thick on the slopes and floor of the mine. The use of tracked equipment while spreading topsoil will limit soil compaction.

In the event that rubber tire equipment cannot be routed to prevent subsoil and topsoil compaction deep tillage equipment will be used to alleviate compaction in the upper 12 to 14 inches of the soil profile.

Soils testing will be performed following procedures established in the Wisconsin Nutrient Management Standard 590 to determine the organic matter, phosphorus, potassium and pH. Soil amendments (including lime and fertilizer) will be applied based on the soil test results to meet the fertility requirements needed to achieve the intended post mining land use.

### 3. **Safety Assurances**

Given the slopes on the reclaimed mine site and the post mining land uses, there are very limited safety concerns.

### 4. **Seeding Plan**

Seeding will be selected to achieve the post mining land use that is planned for each

designated area. All areas will be reclaimed to passive recreational and will be seeded with native grasses. Seed will be broadcast seeded and rolled to improve seed – soil contact. DNR Seed Mix 2 will be used in these areas and applied at the rates listed (Appendix D).

## **5. Future Use**

The mine site will be reclaimed to establish the post mining land uses of upland grassland wildlife habitat, and wildlife pond habitat. The approximate location of each post mining land use is shown on the “Reclamation Plan” drawing.

### Upland Grassland Wildlife Habitat Post Mining Land Use

Steep slopes around the perimeter of the mine will be reclaimed to an Upland Grassland Wildlife Habitat.

The proposed performance measures used to determine reclamation success are:

- a. The establishment of a mine soil profile with a minimum of 6 inches of topsoil and 10 inches of subsoil.
- b. The establishment of full plant rooting depth.
- c. The establishment of target soil chemistry and fertility to achieve and sustain the post mining land use.
- d. The establishment of the seeding so that:
  - i. All species in the seeding are present.
  - ii. No more than 50% of the total vegetation is one species from the seed mix.
  - iii. Biomass shall be a minimum of one ton per acre per year.

Site monitoring will be conducted to assess the success of the seeding and monitor the site for invasive or noxious plant species. Areas of failed seeding shall be examined to determine the cause of the failure. Invasive or noxious species will be spot treated with herbicide according to the product label or hand removal and disposed of properly.

### Wildlife Pond Habitat Post Mining Land Use

Areas of the mine that are below the water table will be reclaimed as a Wildlife Pond.

The proposed performance measures used to determine reclamation success are:

- a. The establishment of irregular shorelines that vary in shape and slope.
- b. The establishment of shoreline slopes that vary from 3:1 to 10:1 and extend a minimum of 6 feet vertically below the water line.
- c. The establishment of a minimum of 6 inches of topsoil placed along the shoreline and on the slope a minimum of two feet vertically below the water line to encourage vegetative growth.

Site monitoring will be conducted to assess the success of vegetation establishment and monitor the site for invasive or noxious plant species. Areas poor vegetation establishment shall be examined to determine the cause. Invasive or noxious species will be spot treated with herbicide according to the product label or hand removal and disposed of properly.

- Appendix A - Site Location-Plat Book Page
- Appendix B - Leases
- Appendix C- Soil Information (Stantec's report will have its own Appendix list)
- Appendix D - Seed Mix
- Appendix E - PAL Erosion Control Matrix
- Appendix F - Cost Estimates
- Appendix G - Copy of Notice of Intent, Form 3400-179
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5. Project Information: (Acreages to report are the total number of active and unreclaimed acres)

- A. Type of deposit proposed for mining Sand and gravel.
- B. Type of processing Screening and crushing gravel
- C. Approximate total acreage proposed for mine site (life of mine) 30 acres
- D. Approximate acreage to be disturbed in first calendar year of operation 16 acres currently open First active year \_\_\_\_\_
- E. Current land use of site The site is currently a permitted sand and gravel operation.
- F. Land is:  leased owned by applicant  Other, specify \_\_\_\_\_
- G. Estimated total life of mine 17-35 years.
- H. Other permits held for site (circle): i. DNR-Chapter 30 i. County Zoning ii. DNR-Stormwater iv. Other: \_\_\_\_\_

6. Threatened or Endangered Species:

Are you aware of any listed threatened or endangered species at the nonmetallic mining site?  Yes  No

If "Yes", attach documentation of the threatened or endangered species.

**Note:** Be aware that Chippewa County may, pursuant to s. 29.604(6r), Wis. Stats., consult with the Bureau of Endangered Resources on whether approval of this permit may affect a listed threatened or endangered species. The presence of a listed threatened or endangered species may affect certain aspects of the nonmetallic mining site under the requirements of this statute.

7. Cultural or Historical Resources:

Are you aware of any listed cultural or historical resources at the nonmetallic mining site?  Yes  No

If "Yes", attach documentation of the cultural or historical resource.

**Note:** Be aware that Chippewa County may, pursuant to s. 44.40, Wis. Stats., consult with the State Historic Preservation Officer on whether approval of this permit may have an adverse affect upon historic property. The presence of historic property may affect certain aspects of the nonmetallic mining site under the requirements of this statute.

8. Wetlands Protection:

Are you aware of any wetlands at the nonmetallic mining site?  Yes  No

If "Yes", documentation of and measure to protect wetlands is required in Reclamation Plan.

**Note:** Be aware that Chippewa County shall, pursuant to s. 281.15, Wis. Stats., and ch. NR103, Wis. Adm. Code, require that the nonmetallic mining project meet the wetland water quality standard provisions in ch. NR103. The presence of wetlands may affect certain aspects of the nonmetallic mining site under the requirements of ch. NR103.

9. Reclamation Plan: Submit a reclamation plan conforming to Chippewa County **PLAN SPECIFICATIONS FOR NON-METALLIC MINES IN CHIPPEWA COUNTY** and s. NR135.19 with this permit application. Include any previous regulatory approvals (if applicable) so long as they meet the reclamation standards of the Chippewa County Non-Metallic Mining Reclamation Ordinance.

The landowner and lessee, if different from the operator, must also provide signed certification that they concur with the reclamation plan and will allow its implementation.

I hereby certify as a duly authorized representative that the operator will provide financial assurance as required by s. NR135.40 upon granting of the reclamation permit and before mining begins. I further certify and that if the land containing the mine site is owned or leased by someone other than the operator, the landowner or lessee has been provided with a copy of the reclamation plan submitted with this application as required by s. NR135.19(6) Wis. Adm. Code.

Signature of Applicant or Duly Authorized Representative

Ronald J. Depuech

Dated, Signed

6/11/15



5. Project Information: (Acreages to report are the total number of active and unreclaimed acres)
- A. Type of deposit proposed for mining Sand and gravel.
- B. Type of processing Screening and crushing gravel
- C. Approximate total acreage proposed for mine site (life of mine) 20 acres
- D. Approximate acreage to be disturbed in first calendar year of operation 5 First active year \_\_\_\_\_
- E. Current land use of site **The site is currently farm land**
- F. Land is:  leased owned by applicant  other, specify \_\_\_\_\_
- G. Estimated total life of mine 17-35 years.
- H. Other permits held for site (circle): i. DNR-Chapter 30 ii. County Zoning iii. DNR-Stormwater iv. Other: \_\_\_\_\_

6. Threatened or Endangered Species:

Are you aware of any listed threatened or endangered species at the nonmetallic mining site?  Yes  No

If "Yes", attach documentation of the threatened or endangered species.

**Note:** Be aware that Chippewa County may, pursuant to s. 29.604(6r), Wis. Stats., consult with the Bureau of Endangered Resources on whether approval of this permit may affect a listed threatened or endangered species. The presence of a listed threatened or endangered species may affect certain aspects of the nonmetallic mining site under the requirements of this statute.

7. Cultural or Historical Resources:

Are you aware of any listed cultural or historical resources at the nonmetallic mining site?  Yes  No

If "Yes", attach documentation of the cultural or historical resource.

**Note:** Be aware that Chippewa County may, pursuant to s. 44.40, Wis. Stats., consult with the State Historic Preservation Officer on whether approval of this permit may have an adverse affect upon historic property. The presence of historic property may affect certain aspects of the nonmetallic mining site under the requirements of this statute.

8. Wetlands Protection:

Are you aware of any wetlands at the nonmetallic mining site?  Yes  No

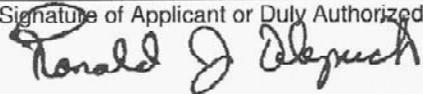
If "Yes", documentation of and measure to protect wetlands is required in Reclamation Plan.

**Note:** Be aware that Chippewa County shall, pursuant to s. 281.15, Wis. Stats., and ch. NR103, Wis. Adm. Code, require that the nonmetallic mining project meet the wetland water quality standard provisions in ch. NR103. The presence of wetlands may affect certain aspects of the nonmetallic mining site under the requirements of ch. NR103.

9. Reclamation Plan: Submit a reclamation plan conforming to Chippewa County **PLAN SPECIFICATIONS FOR NON-METALLIC MINES IN CHIPPEWA COUNTY** and s. NR135.19 with this permit application. Include any previous regulatory approvals (if applicable) so long as they meet the reclamation standards of the Chippewa County Non-Metallic Mining Reclamation Ordinance.

The landowner and lessee, if different from the operator, must also provide signed certification that they concur with the reclamation plan and will allow its implementation.

I hereby certify as a duly authorized representative that the operator will provide financial assurance as required by s. NR135.40 upon granting of the reclamation permit and before mining begins. I further certify and that if the land containing the mine site is owned or leased by someone other than the operator, the landowner or lessee has been provided with a copy of the reclamation plan submitted with this application as required by s. NR135.19(6) Wis. Adm. Code.

Signature of Applicant or Duly Authorized Representative  


Dated Signed  
 4/1/15

<b>PERMIT FEES</b>		<i>(To be completed by Chippewa County)</i>	
<b>Total Proposed Size</b> _____		<b>Current Year Active or Unreclaimed Acres</b> _____	
Includes areas currently disturbed or to be disturbed before the end of the current calendar year (includes areas for excavation, stockpiling, processing, conservation practices, and roads). See Section 5C. and 5D.			
-----			
<b>Annual Permit Fee</b> (based on current year total of active and unreclaimed acres)			
County Fee		\$ _____.	_____
State Fee		\$ _____.	_____
-----			
<b>Plan Review Fee</b> (based on total size of pit)			
		\$ _____.	_____
-----			
<b>Public Notice</b>			
		\$ _____.	_____
-----			
<b>TOTAL RECLAMATION PERMIT FEE DUE</b>		\$ _____.	_____
Make checks payable to <b>Chippewa County Department of Land Conservation and Forest Management</b>			
Please be aware that additional fees may be incurred should a Public Hearing be held for review of this permit. Such fees will be assessed at a later date.			

11. Certification

I hereby certify that the information contained herein is true and accurate. I also certify that I am the applicant or that I am the duly authorized representative of an applicant who is authorized to apply for a permit.

Ronald J. Depuech  
 Signature of Applicant or Duly Authorized Representative

6/1/15  
 Dated Signed

<b>12. County Permit Information</b>		<b><i>(To be completed by Chippewa County)</i></b>	
Date Application Received (this form):			
Check Amount: \$	Check No.	Date Received:	
Public Notice Dates:			
Financial Assurance Received:		Type:	
Financial or Bonding Institution:			
Permit No.	:		
Date Permit Issued:		Staff Signature	

**Legal Definitions**

<sup>1</sup> Chippewa County Non-Metallic Mining - "Unreclaimed acre" or "unreclaimed acres" means those unreclaimed areas in which nonmetallic mining has occurred after August 1, 2001 and areas where nonmetallic mining reclamation has been completed but is not yet certified as reclaimed under sub. 30-137.(c). However the terms "Unreclaimed acre" or "unreclaimed acres" do not include:

1. Those areas where reclamation has been completed and certified as reclaimed under sub.30-137.(c).
2. Those areas previously affected by nonmetallic mining but which are not used for nonmetallic mining after August 1, 2001.
3. Those portions of nonmetallic mining sites which are included in a nonmetallic mining reclamation plan approved pursuant to this chapter but are not yet affected by nonmetallic mining.
4. Areas previously mined but used after August 1, 2001 for a non-mining activity, such as stockpiling of materials used for an industrial activity such as an asphalt plant, concrete batch plant, block and tile operation or other industry that uses products produced from nonmetallic mining.
5. For purposes of fees under sub 30-135, those areas within a nonmetallic mining site which the regulatory authority has determined to have been successfully reclaimed on an interim basis in accordance with s. NR 135.41.

<sup>2</sup> Chippewa County Non-Metallic Mining - "Nonmetallic mining site" or "site" means all contiguous areas of present or proposed mining described in par. (a), subject to the qualifications in par. (b).

- (a) Nonmetallic mining site means the following:
1. The location where nonmetallic mining is proposed or conducted.
  2. Storage and processing areas that are in or contiguous to areas excavated for nonmetallic mining.
  3. Areas where nonmetallic mining refuse is deposited.
  4. Areas affected by activities such as the construction or improvement of private roads or haulage ways for nonmetallic mining.
  5. Areas where grading or regrading is necessary.
  6. Areas where nonmetallic mining reclamation activities are carried out or structures needed for nonmetallic mining reclamation, such as topsoil stockpile areas, revegetation test plots, or channels for surface water diversion, are located.
- (b) "Nonmetallic mine site" does not include any of the following areas:
1. Those portions of sites listed in par. (a) not used for nonmetallic mining or purposes related to nonmetallic mining after August 1, 2001.
  2. Separate, previously mined areas that are not used for nonmetallic mineral extraction after August 1, 2001 and are not contiguous to mine sites, including separate areas that are connected to active mine sites by public or private roads.
  3. Areas previously mined but used after August 1, 2001 for a non-mining activity, such as stockpiles of materials used for an industrial process unrelated to nonmetallic mining.



BOND FORM

STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES

PERFORMANCE BOND FOR NONMETALLIC  
MINERAL MINING PERMIT

KNOW ALL MEN BY THESE PRESENTS:

That \_\_\_\_\_  
 (Name) (Address)

of \_\_\_\_\_ as Principal  
 (City) (State & Zip Code)

and \_\_\_\_\_  
 (Name of Surety Company) (Address)

a surety company organized and existing under the laws of the State of Wisconsin and duly organized to do surety business in the State of Wisconsin, as Surety, are held and firmly bound unto the State of Wisconsin, Department of Natural Resources, as obligee, in the penal sum of \$ \_\_\_\_\_, lawful money of the United States, for payment of which the Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, by these presents.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, that whereas, the said Principal has been authorized to mine nonmetallic minerals under Permit No. \_\_\_\_\_ from a project site adjacent to \_\_\_\_\_ (waterway), located in Section \_\_\_\_\_, Township \_\_\_\_\_ North, Range \_\_\_\_\_ West, Town of \_\_\_\_\_, \_\_\_\_\_ County, Wisconsin, and the project is subject to the requirements of Chapter 30, Wisconsin Statutes, and NR 340, Wisconsin Administrative Code.

WHEREAS, Chapter 340 requires that the Principal provide the Obligee with a bond to ensure that Permit No. \_\_\_\_\_ or any amendments thereto will be completed as approved.

WHEREAS, this performance bond is written to provide proof of financial responsibility to complete Permit No. \_\_\_\_\_ or any amendments pursuant to Chapter NR 340 and shall inure to the benefit of the Obligee.

Now, Therefore, the condition of this obligation is such that if the Principal or any successor in interest complies with the requirements of Permit No. \_\_\_\_\_ and any amendments thereto and completes the project in accordance with these requirements then, and only then, this obligation shall be void; otherwise, it shall remain in full force and effect.

All or any part of this bond may be withdrawn by the Obligee, upon written request by the Secretary of the Obligee, to be used to carry out the requirements or Permit No. \_\_\_\_\_ and any amendments thereto if the Principal or any successor in interest fails to do so.

STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES

PERFORMANCE BOND FOR NONMETALLIC  
EXCAVATION PERMIT NO. \_\_\_\_\_

The liability of the Surety shall not be discharged by any payment or succession hereunder unless and until such payment or payments shall amount in the aggregate to the full penal sum of this bond, but in no event shall the obligation of the Surety thereunder exceed the full penal sum of this bond.

Release or discharge of the Surety shall not release the Principal or any successor in interest from the obligation to fully and completely comply with all requirements of Permit No. \_\_\_\_\_ and any amendments thereto. The insolvency or bankruptcy of the Principal shall not constitute a defense to the Surety with regard to any claim of liability on the obligation of this bond. No amendment to Permit No. \_\_\_\_\_ will release the Surety from its obligation under this bond.

The Surety hereby waives notification of any failure on the part of the Principal or any successor in interest to faithfully comply with the terms of Permit No. \_\_\_\_\_ or any amendments thereof and lack of notice from the Obligee will not bar or limit recovery against the Surety.

This bond is effective on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, and shall continue in force for two years after completion of Permit No. \_\_\_\_\_ or any amendments. As long as any obligation of the owner or any successor in interest for compliance with Permit No. \_\_\_\_\_ or any amendments thereto exists, this bond shall not be cancelled by the Surety unless a replacement bond or other proof of financial responsibility acceptable to the Obligee is provided to the Obligee.

If the Surety proposes to cancel this bond, notice shall be provided to the Obligee and the Principal in writing by registered or certified mail not less than 90 days prior to the proposed cancellation date.

Not less than 30 days prior to the expiration of the 90-day notice period, the Principal shall deliver to the Obligee a replacement bond or other proof of financial responsibility under Permit No. \_\_\_\_\_, any amendments and Chapter 340, Wis. Administrative Code.

In the absence of the delivery of a replacement bond or other acceptable proof of financial responsibility, all site or facility operations shall immediately cease and this bond shall remain in full force and effect as long as any obligation of the Principal or any successor in interest for compliance with Permit No. \_\_\_\_\_ or any amendments thereto.

STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES

PERFORMANCE BOND FOR NONMETALLIC  
EXCAVATION PERMIT NO. \_\_\_\_\_

Signed, sealed and dated this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

\_\_\_\_\_  
Principal

\_\_\_\_\_  
SURETY

\_\_\_\_\_  
ATTORNEY-IN-FACT

\_\_\_\_\_  
BOND NUMBER

**DECLARATION OF RESTRICTIVE COVENANT**

The undersigned, \_\_\_\_\_ and \_\_\_\_\_ (spouse)  
(Owners), hereby declare:

1. They are the record owners of the following described lands, to-wit:  
  
The (**SW ¼ SW ¼**) and (**NW ¼ SW ¼**) of Section **Sixteen (16)**, Township **Twenty-nine (29)** North, Range **Five (5)** West. **Approximately 30 acres.**
2. Said lands are subject to excavation and removal of gravel and other material therefrom; following such excavation, **Leaser** will construct certain proposed ponds on said premises;
3. Said resultant ponds will be in the vicinity of the **Coldwater Creek**, which flows along the said **West** half of the **Southwest** Half of Section **Sixteen (16)**, Township **Twenty-nine (29)** North, Range **Five (5)** West.
4. **John S. Olynick, Inc.** is applying to the Department of Natural Resources for necessary permits for excavation and pond construction in said areas and a condition thereof is the granting of public fishing access, on foot, from the said **Coldwater Creek** to the said proposed ponds, upon completion thereof;
5. The said excavation and pond construction will be to the benefit of the undersigned owners;
6. In consideration of the aforesaid benefits by issuance and obtaining of the said permits, the undersigned owners do hereby declare the following as a restrictive covenant on the lands described, to run with the lands, to-wit:

An easement is granted to the public, for pedestrian access only for fishing, extending from the **Coldwater Creek** as it flows through to those ponds hereafter **West** half of the **Southwest** Half of Section **Sixteen (16)**, Township **Twenty-nine (29)** North, Range **Five (5)** West. Constructed upon those lands by **John S. Olynick, Inc.**, said access easement to become effective upon completion of such pond.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.  
(month) (year)

\_\_\_\_\_  
(Name) (Name)

State of Wisconsin

County of \_\_\_\_\_ ) ss.  
\_\_\_\_\_ )

Personally came before me this \_\_\_\_\_ day of \_\_\_\_\_, A.D., 19 \_\_\_\_\_, the above-named \_\_\_\_\_, and \_\_\_\_\_ to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Notary Public, \_\_\_\_\_ County, Wis.

My commission expires: \_\_\_\_\_

Wisconsin Department of Natural Resources  
Nonmetallic Mining Permit  
Application Supplement

**GENERAL PROJECT INFORMATION**

OPERATOR MUST COMPLETE THIS FORM. Please type or print in black ink. Attach comprehensive plans, maps, cross-sections, narrative descriptions, etc. as appropriate. See the Operator's Guide to Nonmetallic Mining for detailed information about the application packet requirements. Drawings and maps which are color-coded reproduce poorly and are not acceptable. If maps or drawings are larger than 8½" by 11", six copies must be submitted. Otherwise, submit only the original documents, keeping copies for your files.

If your project is a connected enlargement or grading project, enter the name and address of the secretary of any property owners' association pertaining to the affected waterway. If there is no such association, enter the names and addresses of 5 persons who own real property located adjacent to the waterway. If fewer than 5 persons own real property adjacent to the waterway, enter names and addresses of those persons.

1. **Earl T. Chwala W13567 County Hwy M Gilman, WI 54433**

2. **Walter and Christine Markowski 32556 100<sup>th</sup> Avenue Boyd, WI 54726**

3. **Weaver M. and Lovina A. Zimmerman 10675 County Hwy G Stanley, WI 54768**

4. **Howard B. and Betty M. Vait 33318 100<sup>th</sup> Avenue Stanley, WI 54768**

5. **Todd R. Ponick 9520 County Rd H Stanley, WI 54768**

Briefly describe the existing physical and natural conditions of the site, including types of vegetative cover.

**The existing south end of the site is an existing sand and gravel pit. The north end is agricultural land.**

Elevation of the bottom of the nonmetallic mineral deposit **unknown**

Distance from the excavation to the nearest public road? **Approx. 600+ ft. from 100<sup>th</sup> Avenue and 250' from 330<sup>th</sup> Street**

Distance from the excavation to the nearest residence? **Approx. 600 + ft.**

Distance from excavation to nearest navigable water? **Approx. 200+ft.**

What is the datum of benchmarks used for elevation reference **USGS NGVD 29**

Is the project site located in the floodplain of a stream? Yes No

Is the project site located in or adjacent to a wetland? Yes  No

Describe existing topography (i.e., level, steep hill, gentle slope).

**Topography is gently sloping.**

Describe existing land use on project site (i.e., vacant, farming, etc.).

**The existing south end of the site is an existing sand and gravel pit. The north end is agricultural land.**

Describe abutting land use.

**Abutting land to the north and east is farmland. Land to the south and west is wetland.**

Describe and show on plans the soil and geologic composition, including topsoil depth, of the project site. Also describe and show the location of boring or test holes taken to identify the type of material and size of the deposit.

**Top soil is 12 inches thick. Overburden is 3-7' thick. Rocky material exists throughout the site.**

Describe and show on plans the location, dimensions, and elevations of surface waters within or adjacent to the project.

**Surface water level of Coldwater Creek is 1094 +/-.**

Describe and show on plans the elevation of groundwater throughout the project site.

**Groundwater elevation is 1100 +/-.** Source: **Chippewa County Ground Water Elevation Map and Topography Survey**

Describe and show on plans the location of manmade features within the site.

**The existing gravel pit, buildings, fences and roads are shown on the Existing Conditions Plan**

Describe and show on plans the nature and extent (dimensions) of any existing excavations, dimensions and quantities of stockpiled materials, topsoil and refuse in the site.

**See Existing Conditions Plan**

Describe and show on plans the location of both temporary and permanent haulage ways (roads) including the length, width, side slopes, and elevations of the roads.

**See Existing Conditions Plan**

Describe and show on plans any known historical and archaeological features.

**None known.**

Provide a legal description of all land within the site that the applicant owns, leases or has an option to purchase or lease. Copies of deeds, options to purchase, and leases must be attached.

**A copy of the leases included.**

What will the excavated material be used for (e.g. road construction, asphalt, ready mix, cement blocks, cement pipe)?

**Crushed aggregate base course (road construction).**

**Sand for agricultural bedding**

Describe any investigation conducted to identify upland alternative nonmetallic mining sites. What efforts were made to obtain the material? What was the estimated volume of material to be extracted? Provide adequate documentation for these estimates

**This site was selected for its high concentration of aggregate.**

**OPERATION PLANS**

Proposed depth of excavation (in feet): <b>25-55 feet, dependent on particular areas.</b>
Number of acres to be disturbed, including haulage ways, processing areas, storage areas, etc.) <b>50 Acres +/-</b>
Anticipated duration of mining (in years): <b>17-35 years</b>
Anticipated starting date (month/day/year): <b>Future phases would begin in 2015</b>
Normal months of operation: <b>April-December</b>
Normal hours of excavation: <b>5 am - 11 pm</b>
Days of the week excavation will usually take place: <b>Monday - Saturday</b>
Type of machinery to be used: <b>Hoe, crusher, loader, dozer, portable crushing equipment</b>
Will there be gravel washing or crushing operations on the site? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, describe the operation: <b>Material excavated will be crushed and stockpiled prior to being hauled off site. No washing will be done on site.</b> If yes, how many cubic yards of gravel will be stockpiled at any one time? <b>15,000-20,000 cubic yards</b> Estimated volume to be extracted for each phase. <b>Phase 1 approximately 600,000 cubic yards</b> <b>Phase 2 approximately 500,000 cubic yards</b> <b>Phase 3 approximately 400,000 cubic yards</b> <b>Phase 4 approximately 100,000 cubic yards</b>
Are any buildings to be constructed on site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, describe:  (Indicate building locations on attached drawings and maps.)

How will you screen the operation from view along waterways, property lines, roads and highways? <b>Areas along Coldwater Creek will be screened by existing woods. Screening berms will be placed along property to south, East and west.</b>
Describe the specific seed mixture, quantities and species you will use. <b>D.O.T. seed mixture #20 (5 % Kentucky bluegrass, 20% hard fescue, 35% tall fescue, 25% ryegrass, 15% birdsfoot treefold)</b>
Describe fertilizer and mulch to be applied: <b>Fertilizer will be used with seeding. Mulch will be applied to any 3:1 slopes.</b>
Will any final slopes be steeper than 3 feet horizontal to 1 foot vertical? Yes No <input checked="" type="checkbox"/> If yes, explain reasons:
How large an area will be excavated before reclamation begins? <b>20 acres</b> <b>Reclamation will begin as the pit floor is removed.</b>
Total estimated cost for reclamation of project site: <b>\$ 71,400</b> (Reclamation Costs Estimate form must be attached.) Basis for estimation: <b>Contractor estimates \$4,200 per acre. Approximately 17 Acres to reclaim and 33 acres will be pond.</b>
Will an artificial pond be created? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> a. If yes, what will the average depth be? <b>6-20'</b> b. Maximum depth? <b>20ft.</b> c. Size in acres? <b>33 acres</b> d. Will the pond be subject to flooding? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> e. Will any final slopes in the pond be steeper than 3' horizontal to 1' vertical? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, explain reasons:

**OPERATOR INFORMATION**

Operator's name: **Ron Olynick**

Operator's title: **Mine Operator, President**

Company's name: **John S. Olynick, Inc.**

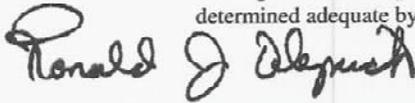
Company address: **N7918 Hwy 73  
Gilman, WI 54433**

Telephone, with area code (daytime) **715-668-5211**

Telephone, with area code (nights) **715-314-0100**

I acknowledge my continuing responsibility for restoration and  
revegetation of the project site until stabilization has been  
determined adequate by the Department of Natural Resources.

Operator's signature:



Date:

6/1/15

Nonmetallic Mining - Application Supplement

ATTACHMENT 5

**M-B Site - Proposed Reclamation Cost Estimation Summary**

<b>Reclamation Item</b>	<b>Units</b>	<b>Description</b>	<b>Cost of</b>	<b>Units</b>	<b>Cost</b>
Equipment Cost	AC	Placing of Subsoil	\$700.00	17	\$11,900.00
Equipment Cost	AC	Placing of Topsoil	\$700.00	17	\$11,900.00
Equipment Cost	AC	Re-spreading and Re-contouring of Subsoil/Topsoil	\$600.00	17	\$10,200.00
Equipment Cost	AC	Cost Prep for Seeding. Disking, Ground Work, etc.	\$300.00	17	\$5,100.00
Material	AC	Seed and Fertilizer	\$400.00	17	\$6,800.00
Equipment Cost	AC	Seeding	\$500.00	17	\$8,500.00
Stabilizing Soil Storage	AC	Temporary and Final	\$400.00	17	\$6,800.00
Erosion Control	AC	Cost of any Temporary Erosion Control	\$300.00	17	\$5,100.00
Reseeding	AC	Cost of Reseeding if First Seeding Fails	\$300.00	17	\$5,100.00
		<b>Estimated Cost Per Acre</b>	<b>\$4,200.00</b>		
		<b>Overall Cost</b>			<b>\$71,400.00</b>



BOND FORM

STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES

PERFORMANCE BOND FOR NONMETALLIC  
MINERAL MINING PERMIT

KNOW ALL MEN BY THESE PRESENTS:

That \_\_\_\_\_  
 \_\_\_\_\_ (Name) \_\_\_\_\_ (Address)  
 of \_\_\_\_\_ as Principal  
 \_\_\_\_\_ (City) \_\_\_\_\_ (State & Zip Code)  
 and \_\_\_\_\_  
 \_\_\_\_\_ (Name of Surety Company) \_\_\_\_\_ (Address)

a surety company organized and existing under the laws of the State of Wisconsin and duly organized to do surety business in the State of Wisconsin, as Surety, are held and firmly bound unto the State of Wisconsin, Department of Natural Resources, as obligee, in the penal sum of \$ \_\_\_\_\_, lawful money of the United States, for payment of which the Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, by these presents.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, that whereas, the said Principal has been authorized to mine nonmetallic minerals under Permit No. \_\_\_\_\_ from a project site adjacent to \_\_\_\_\_ (waterway), located in Section \_\_\_\_\_, Township \_\_\_\_\_ North, Range \_\_\_\_\_ West, Town of \_\_\_\_\_, \_\_\_\_\_ County, Wisconsin, and the project is subject to the requirements of Chapter 30, Wisconsin Statutes, and NR 340, Wisconsin Administrative Code.

WHEREAS, Chapter 340 requires that the Principal provide the Obligee with a bond to ensure that Permit No. \_\_\_\_\_ or any amendments thereto will be completed as approved.

WHEREAS, this performance bond is written to provide proof of financial responsibility to complete Permit No. \_\_\_\_\_ or any amendments pursuant to Chapter NR 340 and shall inure to the benefit of the Obligee.

Now, Therefore, the condition of this obligation is such that if the Principal or any successor in interest complies with the requirements of Permit No. \_\_\_\_\_ and any amendments thereto and completes the project in accordance with these requirements then, and only then, this obligation shall be void; otherwise, it shall remain in full force and effect.

All or any part of this bond may be withdrawn by the Obligee, upon written request by the Secretary of the Obligee, to be used to carry out the requirements or Permit No. \_\_\_\_\_ and any amendments thereto if the Principal or any successor in interest fails to do so.

STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES

PERFORMANCE BOND FOR NONMETALLIC  
EXCAVATION PERMIT NO. \_\_\_\_\_

The liability of the Surety shall not be discharged by any payment or succession hereunder unless and until such payment or payments shall amount in the aggregate to the full penal sum of this bond, but in no event shall the obligation of the Surety thereunder exceed the full penal sum of this bond.

Release or discharge of the Surety shall not release the Principal or any successor in interest from the obligation to fully and completely comply with all requirements of Permit No. \_\_\_\_\_ and any amendments thereto. The insolvency or bankruptcy of the Principal shall not constitute a defense to the Surety with regard to any claim of liability on the obligation of this bond. No amendment to Permit No. \_\_\_\_\_ will release the Surety from its obligation under this bond.

The Surety hereby waives notification of any failure on the part of the Principal or any successor in interest to faithfully comply with the terms of Permit No. \_\_\_\_\_ or any amendments thereof and lack of notice from the Obligeo will not bar or limit recovery against the Surety.

This bond is effective on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, and shall continue in force for two years after completion of Permit No. \_\_\_\_\_ or any amendments. As long as any obligation of the owner or any successor in interest for compliance with Permit No. \_\_\_\_\_ or any amendments thereto exists, this bond shall not be cancelled by the Surety unless a replacement bond or other proof of financial responsibility acceptable to the Obligeo is provided to the Obligeo.

If the Surety proposes to cancel this bond, notice shall be provided to the Obligeo and the Principal in writing by registered or certified mail not less than 90 days prior to the proposed cancellation date.

Not less than 30 days prior to the expiration of the 90-day notice period, the Principal shall deliver to the Obligeo a replacement bond or other proof of financial responsibility under Permit No. \_\_\_\_\_, any amendments and Chapter 340, Wis. Administrative Code.

In the absence of the delivery of a replacement bond or other acceptable proof of financial responsibility, all site or facility operations shall immediately cease and this bond shall remain in full force and effect as long as any obligation of the Principal or any successor in interest for compliance with Permit No. \_\_\_\_\_ or any amendments thereto.

STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES

PERFORMANCE BOND FOR NONMETALLIC  
EXCAVATION PERMIT NO. \_\_\_\_\_

Signed, sealed and dated this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

\_\_\_\_\_  
Principal

\_\_\_\_\_  
SURETY

\_\_\_\_\_  
ATTORNEY-IN-FACT

\_\_\_\_\_  
BOND NUMBER

**DECLARATION OF RESTRICTIVE COVENANT**

The undersigned, \_\_\_\_\_ and \_\_\_\_\_ (spouse)  
(Owners), hereby declare:

1. They are the record owners of the following described lands, to-wit:

The (**SW ¼ NW ¼**) and (**NW ¼ SW ¼**) of Section **Sixteen (16)**, Township **Twenty-nine (29)** North, Range **Five (5)** West. **Approximately 20 acres.**

2. Said lands are subject to excavation and removal of gravel and other material therefrom; following such excavation, **Leaser** will construct certain proposed ponds on said premises;

3. Said resultant ponds will be in the vicinity of the **Coldwater Creek**, which flows along the said **West** half of the **Southwest** Half of Section **Sixteen (16)**, Township **Twenty-nine (29)** North, Range **Five (5)** West.

4. **John S. Olynick, Inc.** is applying to the Department of Natural Resources for necessary permits for excavation and pond construction in said areas and a condition thereof is the granting of public fishing access, on foot, from the said **Coldwater Creek** to the said proposed ponds, upon completion thereof;

5. The said excavation and pond construction will be to the benefit of the undersigned owners;

6. In consideration of the aforesaid benefits by issuance and obtaining of the said permits, the undersigned owners do hereby declare the following as a restrictive covenant on the lands described, to run with the lands, to-wit:

An easement is granted to the public, for pedestrian access only for fishing, extending from the **Coldwater Creek** as it flows through to those ponds hereafter **West** half of the **Southwest** Half of Section **Sixteen (16)**, Township **Twenty-nine (29)** North, Range **Five (5)** West. Constructed upon those lands by **John S. Olynick, Inc.**, said access easement to become effective upon completion of such pond.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.  
(month) (year)

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Name)

State of Wisconsin

County of \_\_\_\_\_ ) ss.  
\_\_\_\_\_ )

Personally came before me this \_\_\_\_\_ day of \_\_\_\_\_, A.D., 19 \_\_\_\_\_, the above-named \_\_\_\_\_, and \_\_\_\_\_ to me known to be the persons who executed the foregoing instrument and acknowledged the same.

\_\_\_\_\_  
Notary Public, \_\_\_\_\_ County, Wis.

My commission expires: \_\_\_\_\_

Wisconsin Department of Natural Resources  
Nonmetallic Mining Permit  
Application Supplement

**GENERAL PROJECT INFORMATION**

OPERATOR MUST COMPLETE THIS FORM. Please type or print in black ink. Attach comprehensive plans, maps, cross-sections, narrative descriptions, etc. as appropriate. See the Operator's Guide to Nonmetallic Mining for detailed information about the application packet requirements. Drawings and maps which are color-coded reproduce poorly and are not acceptable. If maps or drawings are larger than 8½" by 11", six copies must be submitted. Otherwise, submit only the original documents, keeping copies for your files.

If your project is a connected enlargement or grading project, enter the name and address of the secretary of any property owners' association pertaining to the affected waterway. If there is no such association, enter the names and addresses of 5 persons who own real property located adjacent to the waterway. If fewer than 5 persons own real property adjacent to the waterway, enter names and addresses of those persons.

1. **Earl T. Chwala** W13567 County Hwy M Gilman, WI 54433

2. **Donald L. and Marlene B. Bohl** 33190 100<sup>th</sup> Avenue Stanley, WI 54768

3. **Weaver M. and Lovina A. Zimmerman** 10675 County Hwy G Stanley, WI 54768

4. **Howard B. and Betty M. Vait** 33318 100<sup>th</sup> Avenue Stanley, WI 54768

5. **Todd R. Ponick** 9520 County Rd H Stanley, WI 54768

Briefly describe the existing physical and natural conditions of the site, including types of vegetative cover.

**The existing south end of the site is an existing sand and gravel pit. The north end is agricultural land.**

Elevation of the bottom of the nonmetallic mineral deposit **unknown**

Distance from the excavation to the nearest public road? **Approx. 600+ ft. from 100<sup>th</sup> Avenue and 250' from 330<sup>th</sup> Street**

Distance from the excavation to the nearest residence? **Approx. 600 + ft.**

Distance from excavation to nearest navigable water? **Approx. 200+ft.**

What is the datum of benchmarks used for elevation reference **USGS NGVD 29**

Is the project site located in the floodplain of a stream? Yes No

Is the project site located in or adjacent to a wetland? Yes  No

Describe existing topography (i.e., level, steep hill, gentle slope).

**Topography is gently sloping.**

Describe existing land use on project site (i.e., vacant, farming, etc.).

**The existing south end of the site is an existing sand and gravel pit. The north end is agricultural land.**

Describe abutting land use.

**Abutting land to the north and east is farmland. Land to the south and west is wetland.**

Describe and show on plans the soil and geologic composition, including topsoil depth, of the project site. Also describe and show the location of boring or test holes taken to identify the type of material and size of the deposit.

**Top soil is 12 inches thick. Overburden is 3-7' thick. Rocky material exists throughout the site.**

Describe and show on plans the location, dimensions, and elevations of surface waters within or adjacent to the project.

**Surface water level of Coldwater Creek is 1094 +/-.**

Describe and show on plans the elevation of groundwater throughout the project site.

**Groundwater elevation is 1100 +/-.** Source: **Chippewa County Ground Water Elevation Map and Topography Survey**

Describe and show on plans the location of manmade features within the site.

**The existing gravel pit, buildings, fences and roads are shown on the Existing Conditions Plan**

Describe and show on plans the nature and extent (dimensions) of any existing excavations, dimensions and quantities of stockpiled materials, topsoil and refuse in the site.

**See Existing Conditions Plan**

Describe and show on plans the location of both temporary and permanent haulage ways (roads) including the length, width, side slopes, and elevations of the roads.

**See Existing Conditions Plan**

Describe and show on plans any known historical and archaeological features.

**None known.**

Provide a legal description of all land within the site that the applicant owns, leases or has an option to purchase or lease. Copies of deeds, options to purchase, and leases must be attached.

**A copy of the leases included.**

What will the excavated material be used for (e.g. road construction, asphalt, ready mix, cement blocks, cement pipe)?

**Crushed aggregate base course (road construction).**

**Sand for agricultural bedding**

Describe any investigation conducted to identify upland alternative nonmetallic mining sites. What efforts were made to obtain the material? What was the estimated volume of material to be extracted? Provide adequate documentation for these estimates

**This site was selected for its high concentration of aggregate.**

**OPERATION PLANS**

Proposed depth of excavation (in feet): <b>25-55 feet, dependent on particular areas.</b>
Number of acres to be disturbed, including haulage ways, processing areas, storage areas, etc.) <b>50 Acres +/-</b>
Anticipated duration of mining (in years): <b>17-35 years</b>
Anticipated starting date (month/day/year): <b>Future phases would begin in 2015</b>
Normal months of operation: <b>April-December</b>
Normal hours of excavation: <b>5 am - 11 pm</b>
Days of the week excavation will usually take place: <b>Monday - Saturday</b>
Type of machinery to be used: <b>Hoe, crusher, loader, dozer, portable crushing equipment</b>

Will there be gravel washing or crushing operations on the site? Yes  No

If yes, describe the operation:

**Material excavated will be crushed and stockpiled prior to being hauled off site. No washing will be done on site.**

If yes, how many cubic yards of gravel will be stockpiled at any one time?

**15,000-20,000 cubic yards**

Estimated volume to be extracted for each phase.

**Phase 1 approximately 600,000 cubic yards**

**Phase 2 approximately 500,000 cubic yards**

**Phase 3 approximately 400,000 cubic yards**

**Phase 4 approximately 100,000 cubic yards**

Are any buildings to be constructed on site? Yes No

If yes, describe:

(Indicate building locations on attached drawings and maps.)

How will you screen the operation from view along waterways, property lines, roads and highways?

**Areas along Coldwater Creek will be screened by existing woods. Screening berms will be placed along property to south, East and west.**

Describe the specific seed mixture, quantities and species you will use.

**D.O.T. seed mixture #20 (5 % Kentucky bluegrass, 20% hard fescue, 35% tall fescue, 25% ryegrass, 15% birdsfoot treefold)**

Describe fertilizer and mulch to be applied:

**Fertilizer will be used with seeding. Mulch will be applied to any 3:1 slopes.**

Will any final slopes be steeper than 3 feet horizontal to 1 foot vertical? Yes No

If yes, explain reasons:

How large an area will be excavated before reclamation begins? **20 acres**

**Reclamation will begin as the pit floor is removed.**

Total estimated cost for reclamation of project site: **\$ 71,400**

(Reclamation Costs Estimate form must be attached.)

Basis for estimation: **Contractor estimates \$4,200 per acre. Approximately 17 Acres to reclaim and 33 acres will be pond.**

Will an artificial pond be created? Yes  No

a. If yes, what will the average depth be? **6-20'**

b. Maximum depth? **20ft.**

c. Size in acres? **33 acres**

d. Will the pond be subject to flooding? Yes No

e. Will any final slopes in the pond be steeper than 3' horizontal to 1' vertical? Yes No

If yes, explain reasons:

**OPERATOR INFORMATION**

Operator's name: **Ron Olynick**

Operator's title: **Mine Operator, President**

Company's name: **John S. Olynick, Inc.**

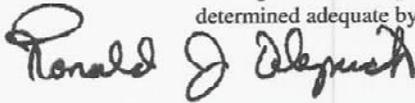
Company address: **N7918 Hwy 73  
Gilman, WI 54433**

Telephone, with area code (daytime) **715-668-5211**

Telephone, with area code (nights) **715-314-0100**

I acknowledge my continuing responsibility for restoration and  
revegetation of the project site until stabilization has been  
determined adequate by the Department of Natural Resources.

Operator's signature:



Date:

6/1/15

**M-B Site - Proposed Reclamation Cost Estimation**

<b>Summary</b>					
<b>Reclamation Item</b>	<b>Units</b>	<b>Description</b>	<b>Cost of</b>	<b>Units</b>	<b>Cost</b>
Equipment Cost	AC	Placing of Subsoil	\$700.00	17	\$11,900.00
Equipment Cost	AC	Placing of Topsoil	\$700.00	17	\$11,900.00
Equipment Cost	AC	Re-spreading and Re-contouring of Subsoil/Topsoil	\$600.00	17	\$10,200.00
Equipment Cost	AC	Cost Prep for Seeding. Disking, Ground Work, etc.	\$300.00	17	\$5,100.00
Material	AC	Seed and Fertilizer	\$400.00	17	\$6,800.00
Equipment Cost	AC	Seeding	\$500.00	17	\$8,500.00
Stabilizing Soil Storage	AC	Temporary and Final	\$400.00	17	\$6,800.00
Erosion Control	AC	Cost of any Temporary Erosion Control	\$300.00	17	\$5,100.00
Reseeding	AC	Cost of Reseeding if First Seeding Fails	\$300.00	17	\$5,100.00
		<b>Estimated Cost Per Acre</b>	\$4,200.00		
		<b>Overall Cost</b>			\$71,400.00