

DOUGLAS COUNTY PERMIT

ISSUE DATE

01/21/2025

CONDITIONAL-USE#

8244

MAILING ADDRESS

TOWN OF OAKLAND
6152 S COUNTY ROAD K
SOUTH RANGE WI 54874

TOWN OF OAKLAND

PROPERTY ADDRESS 5789 E TRI LAKES RD

PARCEL(S): OA-022-00143-00

LEGAL DESCRIPTION SE SW 9-46-13, EX W-160.02'

SECTION	TOWN	RANGE
09	46 N	13 W

FOR NON-METALLIC MINE (RENEWAL)

CONDITIONS: The following minimum requirements must be met for this Conditional-Use permit:

1-8-2025: Douglas County Zoning Committee approved Three-Year renewal of Conditional-Use #8244 for Non-Metallic Mine, to expire 3-11-2028. The Town had No Objections, dated 1-14-2025, received and on file. All conditions associated with this permit are found on Page 2. This permit shall be considered incomplete without Page 2 attached.

This is not a building permit. Check with your Town Chairman for information concerning township building requirements or permits for any structure. The Wisconsin Uniform Dwelling Code requires that all towns issue building permits for new dwellings and additions to existing dwellings. Please contact the appropriate town clerk for obtaining permits.



ZONING AUTHORITY

DOUGLAS COUNTY, WISCONSIN

Planning, Zoning and Land Information Offices
1313 Belknap Street, Room 206
Superior, WI 54880

Planning, Zoning, Permits 715-395-1380
Land Information, GIS 715-395-1570
FAX 715-395-7643
www.douglascountywi.org

CONDITIONS OF PERMIT: 8244

ISSUED: 1-21-2025

As approved by Zoning Committee: 1-8-2025

5789 E Tri Lakes Rd

Tax Parcel I.D. Number: 1) OA-022-00143-00

Proposed Use: Non-Metallic Mine (3-Year Renewal)

NMM Permit Number: 01-0017

CONDITIONS:

- 1 This permit approved for three-year period, expiring 3-11-2028.
- 2 Must comply with Ordinance 8.0, Section VI, Sub. 6.2.
- 3 Financial assurance instrument is not required for municipalities in accordance with Ordinance 8.9 and NR 135.
- 4 Must comply with Ordinance 8.9 to include NR-135 reporting requirements.
- 5 Must be in compliance with all Wisconsin DNR & US Army Corps of Engineers regulations.
- 6 Disturbed acreage on west side that is on neighboring property to meet 3:1 slope with vegetation growth by September 30, 2025.

This page is intended to be a part of above numbered permit and should be included in any copies or other duplication of this permit.

Reclamation Plan (Revised 11-19-2024 BAC)

5789 E. Tri-Lakes Road (non-metallic mining) Pit
Town of Oakland
Douglas County

1. Site Information

A. Maps

General Location: enclosed is an excerpt from page 21 of Douglas County Plat Book showing the property.

Property Boundary: the property is described as the SE-1/4 of the SW-1/4 of Section 9, Town 46 North, Range 13 West. Enclosed is a copy of an aerial photograph provided by the Douglas County Land Records office. The Owner of record is the Town of Oakland. The Parcel Number is OA-022-00143-00.

Areal Extent: is shown on the attached drawing (base map provided by Thatcher Engineering). Current extent of mining encompasses approximately 9 acres. Ultimate extent of mining expected to include an additional 11.8 acres, for a total future mined area of approximately 20.8 acres of the 35.26-acre site. The "Old Town Dump" that was capped and closed in 1991 (registered with WDNR on August 7, 1991) accounts for approximately 3.7 acres of the site. An additional 3.2 acres of the site is town road right-of-way (Tri-Lakes Road) and a remnant portion to the south of Tri-Lakes Road, leaving approximately 12.3 acres of internal perimeter ultimately un-mined.

Geological Composition: Soil maps from Wisconsin Department of Transportation District 8 were obtained and copies are attached. These were prepared by DOT from historical published data on the region and been refined over the years by the addition of regional field data. The area soils are defined as consisting primarily of Gogebic, Iron River, Cloquet and Cable loams and Vilas sand, all glacially deposited and providing the basis for the rolling terrain. Depth of deposit is expected to vary across the side down to the elevation of the regional, ground water table at roughly elevation 1200. Borings performed on the adjacent 80 acres (S-1.2 of the SE-1/4 of Sec 9 T46N R13W) to the east of this property under supervision of Thatcher Engineering in 2001 (49 borings drilled – copies not attached) confirm deposit depths to the depth of their borings...down to approximate elevation 1213 without encountering the regional ground water. Thatcher described the soils on that property as consisting of "a random mix of sandy loam, silty loam and sometimes clayey loam"). As the depth of excavation in the previously mined areas approaches elevation 1252 with little change in material, depth of sand/gravel/loam on the site is expected to be up to 100 feet thick.

Property to the immediate west of this property (SW-1/4 of /4 of Sec 9, T46N, R 13W). Town roads are shown on the Plat Map as well. There are no other improvements on site or immediately nearby.

Previously Mined Areas: are shown of the enclosed location diagram (again based on the Thatcher Engineering base map) and were addressed above. Again, these comprise approximately 9 acres of the site.

B. Biological Information

The site consists of northern hardwoods (maples and aspen) bordering a previously mined excavation. Also on site is an "Old Town Dump" that was capped with clay, topsoiled and seeded with various grasses as directed by DNR (although the area has been colonized by native aspen vegetation) as part of its approved closure. Native birds such as black-capped chick-a-dees, blue jays and crows are at times seen on the site. Tracks of white-tailed deer are occasionally seen in the snow.

2. Post Mining Land Use

For the foreseeable future, the site will remain as the Town's sand and gravel pit. Likely this will be for at least the next 50 to 60 years. The Town obtains sand or gravel materials from the pit as need be for road repairs. Even though the pit is small, and materials are not ideal, we have had success with crushing operations bringing in a supply of crushed rock (from their own separate sources). This is mixed with materials extracted from the pit (and crushed) to create the final crushed gravel mixture we then stockpile and use. We have not had to do that for a couple years but will do so again when the need arises. The northern half of the existing pit area is the area the crushing operations are generally set up in, and where a small stockpile of crushed rock is still to be found. With over 63 miles of gravel roads to maintain in the Town, we rely on the gravel from this pit.

The pit is also put to other uses. In the deepest part of the excavation near Tri-Lakes Road (elevation 1252) we stockpile stumps from roadway ditching operations and/or from expanding the pit. Ultimately, these stumps will be covered with ditching materials and the area graded to finish this portion of the pit. As ditching materials are generally erosion-deposited topsoil and typically provide a rich source for native seed stock, these areas are expected to establish themselves quickly and will ultimately provide growing areas for aspen to begin successional colonization.

Along the westerly limits of the existing excavation and just north of the stump stockpile, large boulders uncovered during mining operations at the site are stored along the base of the excavation slope. As in the case of the stumps, these will eventually be covered with ditching materials and the material sloped up as shown in the enclosed site diagram.

Road improvement operations will be trucked to the site and spread/compacted by mechanical means over all areas that are to receive "salvaged topsoil." It is possible that over time, ditching materials from

nearby road ditching projects will be hauled to the site and stockpiled, perhaps along the south and west limits of the current excavation where future expansion of the pit is unlikely. These may receive temporary seeding if necessary to stabilize the "salvaged topsoil" stockpile, as determined by the Town Board. The Wisconsin Department of Transportation's "Standard Specifications for Road and Bridge Construction" contain detailed specifications for all phases of finishing work related to highway appurtenances and borrow pits. These will be appropriately applied to the intended reclamation efforts for this site. The specifications involved are:

- Section 625: Topsoil and Salvaged Topsoil
- Section 626: Peat Humus
- Section 627: Mulching
- Section 628: Erosion Control
- Section 629: Fertilized
- Section 630: Seeding
- Section 631: Sodding
- Section 632: Furnishing and Planting Plant Materials

These sections of the specification will be followed as appropriate and made available to Town employees or landscapers involved in the reclamation efforts. They are incorporated into this plan by reference.

C. Topography

Final topography will be determined upon completion of non-metallic mining activities at the site. Final contours will reflect the 3:1 maximum slope criterion. No wetlands or artificial water bodies will be created at this site. A diagram of final anticipated site contours is included, again based upon the Thatcher Engineering base map.

D. Structures

Existing roads will remain in use after the site has been reclaimed. No permanent structures are currently being planned for this site.

E. Cost

The cost to reclaim the site is estimated at approximately \$14,160. Please see attached Table.

F. Erosion Control:

Erosion control during reclamation shall be according to Section 628 ("Erosion Control") of the Wisconsin Department of Transportation's "Standard Specifications for Road and Bridge Construction." This may include but is not limited to silt fence, erosion mat or, riprap and seeding. Due to the topography of the site little in the way of erosion control is expected to be required, other than

addressing the erosion potential of steeper slopes (steeper than 10:1 where measures may need to be taken to ensure seed remains in place on the slopes until the roots "catch").

G. Interim Reclamation:

The portion of property (approximately .4 acres of the 4.74 acres) on the western edge of the pit was reclaimed in 2024 by the Town of Oakland as ordered by Douglas County after the Town discovered that the Aurora Ouisconsin Outdoor Club had constructed a building on the Towns property and the Town gave that portion to the club. Major Reclamation of the rest of the pit will not be undertaken until after all the sand/gravel has been mined to the depth of excavation as determined in future by the Town. At that future time, reclamation will proceed as a single individual construction effort.

H. Criteria for Successful Reclamation

Reclamation will be complete when the following have been met:

1. Seeded areas support vegetation cover.
2. Erosion control measures are no longer necessary and are removed.
3. There is no unnatural erosion occurring at the site.
4. The slopes meet the 3:1 criterion, except where stable high walls intentionally remain.
5. And all criteria listed in this plan have been met.

Representatives of Douglas County Zoning will be invited to inspect the site to verify that conditions and requirements of the reclamation plan have been met. County Zoning will issue the final determination that the reclamation plan has been accomplished. (If conditions or objectives change over the intervening years from those anticipated and addressed in this document, an amended reclamation plan will be prepared and submitted for approval as necessary to address and incorporate those changes.)

3. Certification of the reclamation plan:

I hereby certify that, as a duly sworn in official representing the Town of Oakland, that the Town of Oakland will comply with the provisions of the reclamation plan as well as the statewide non-metallic mining reclamation standards established in ss. NR 135.05 through NR 135.15 Wis. Admin. Code and that "best management practices" will be installed and maintained.


(Signature of duly authorized representative)


Date signed

Title of duly authorized representative -Town Chair

4.Financial Assurance:

Financial assurance is not required of local units of government. We are solvent and continue to provide all required municipal government and services as required by law.

5. Submitting the plan:

James A. Rausch, PE, originally prepared this plan for submittal. Brian A. Conley, Town of Oakland Planning Commissioner revised this plan for resubmittal.

6. Certification and Acceptance:

I/We, as duly sworn officials of the Town of Oakland and responsible for the property herein described, do hereby certify that I/We have reviewed this reclamation plan for the Tri-Lakes pit, located at 5789 E. Tri-Lakes Rd concur with its provisions and agree to permit its implementations.

Jack Byrd
Signature

Chair

1-14-2026
Date

Randy A. Olsen
Signature

Supervisor

1-14-25
Date

Dana E. Olsen
Signature

Supervisor

1/14/25
Date

Laurie K. Olsen
Signature

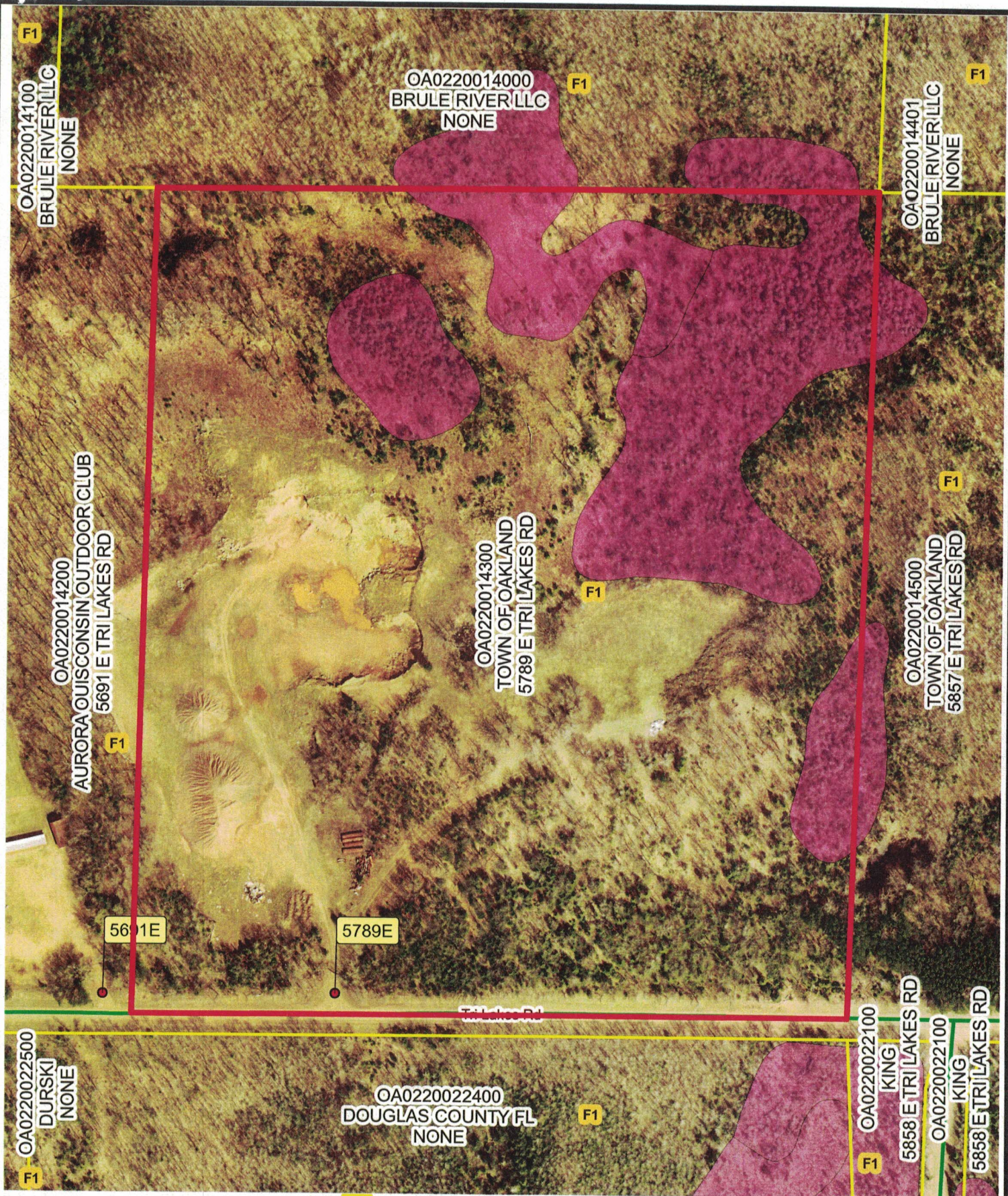
Clerk

1/14/2025
Date

SUMMARY OF RECLAMATION COSTS

Slope preparation prior to gardening	
Small bulldozer at 8 hours	\$400.00
Topsoil hauling (fuel cost only)	
325 truckloads, fuel at \$4 per gallon	
12 mile round trip at 6mpg	\$2,600
Topsoil spreading, finish grading and compaction	
Small bulldozer at 32 hours	\$1,600
Seed	
48 pounds at approx.. \$10 / pound	\$480
Fertilizer	
18 hundred weight at approx.. \$100 cwt	\$1,800
Lime	
12 tons at approx.. \$40 / ton	\$480
Mulch	
360 bales at approx.. \$5 per bale	\$1,800
Cost to spread seed, fertilizer, lime and mulch by others	
(includes watering) (40 hours at \$100 per hour)	\$4,000
Site maintenance until approval	\$1,000
Total reclamation cost	\$14,160

Note: Town employees are anticipated to do most of the work. As they are on salary, no separate costs for labor are included in this estimate. A landscaping contractor will likely be hired to spread the gardening materials. If contractors are employed for other portions of this effort, costs will increase significantly above this estimate.

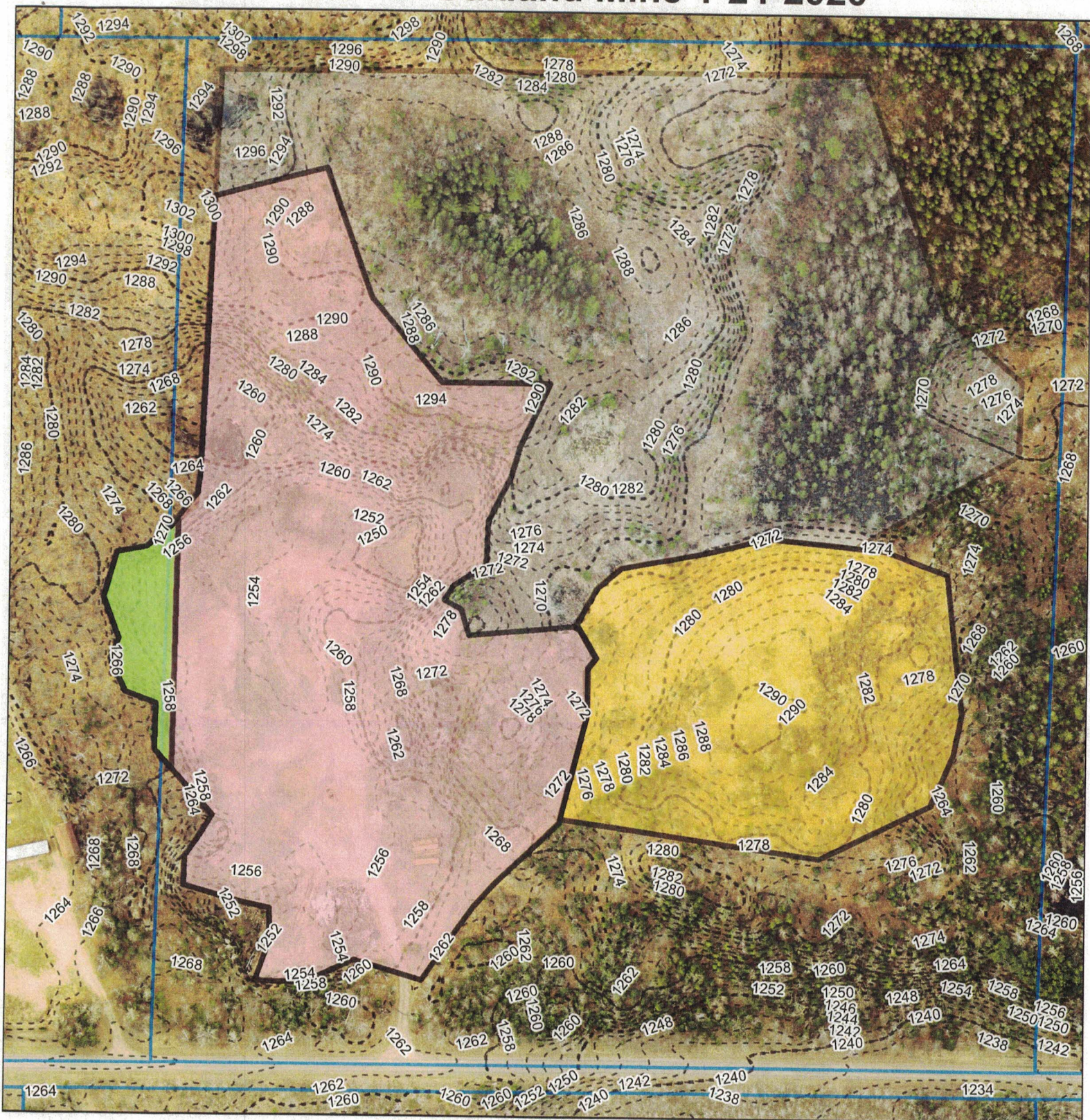


Douglas County
Zoning
Department
(715) 395-1380

By: Terri Luebke








Date: 11/5/2024

8244 Town of Oakland Mine 1-24-2020



Legend



- | | | | |
|---|---------------------------------|---|--------------|
|  | 8244_2020_Reclaim_0.4acres |  | PARCEL layer |
|  | 8244_Active_Area_2019_8.8acres |  | 10' Contours |
|  | 8244_Landfill_3.8acres |  | 2' Contours |
|  | 8244_Proposed_Mine_Area_18acres | | |

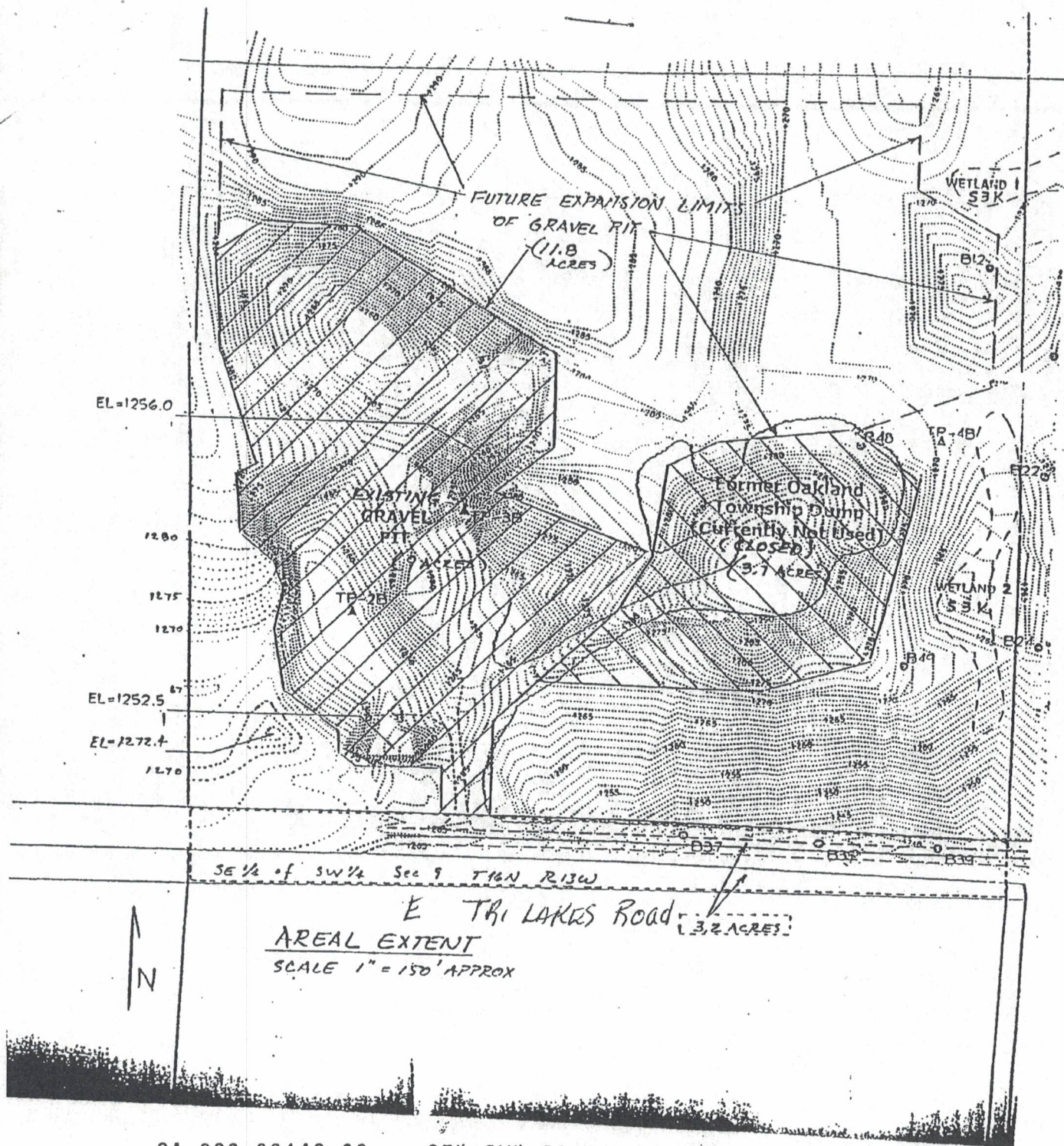
160 80 0 160 Feet



1 inch equals 167 feet

Map is drawn from original reclamation plan dated 2003. Wetland areas are not included nor does this map authorize mining in wetland areas

MAP PRINTED: 1/24/2020



OA-022-00143-00 SE 1/4 SW 1/4 S9 T46N R13W
 RECLAMATION PLAN APPROVED AND ON FILE

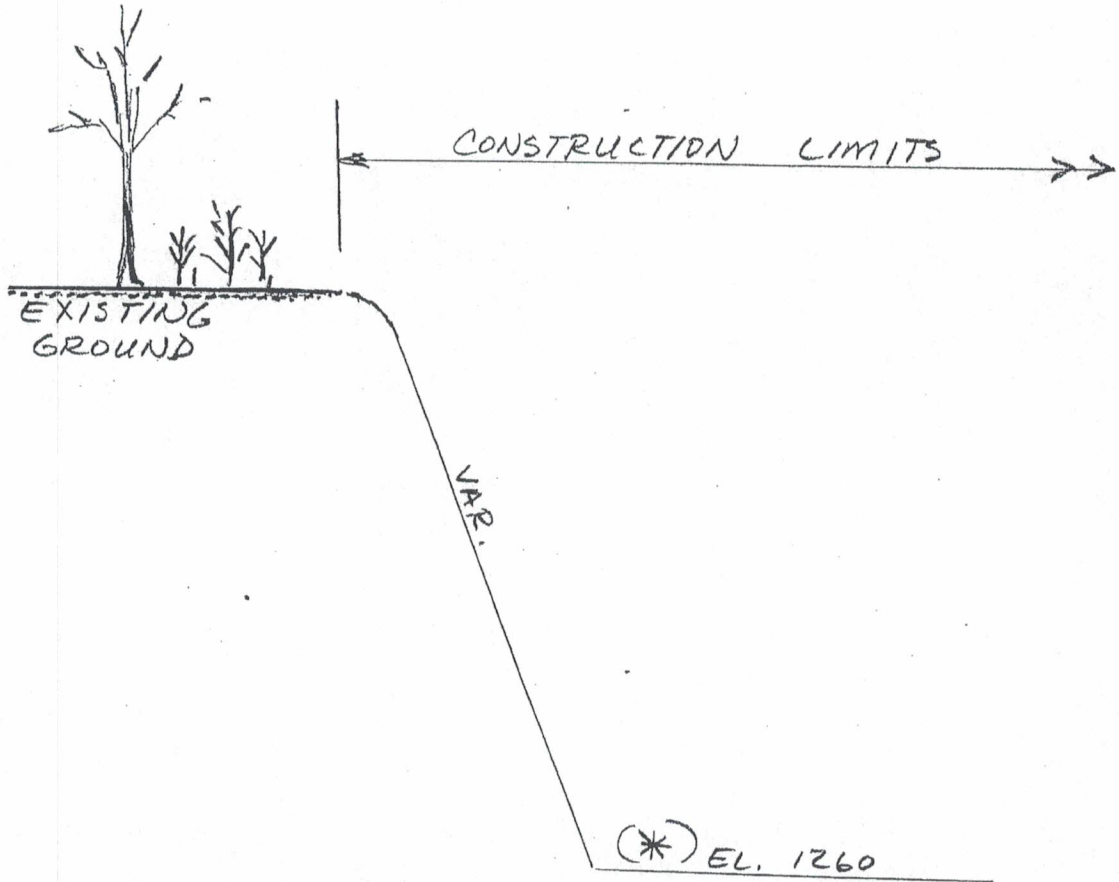
SD OX

0A-022 — 00 | 43 I 00 SE1/4

SW1/4 S9 T46N R | 3W

RECLAMATION PLAN APPROVED AND

ON | FILE

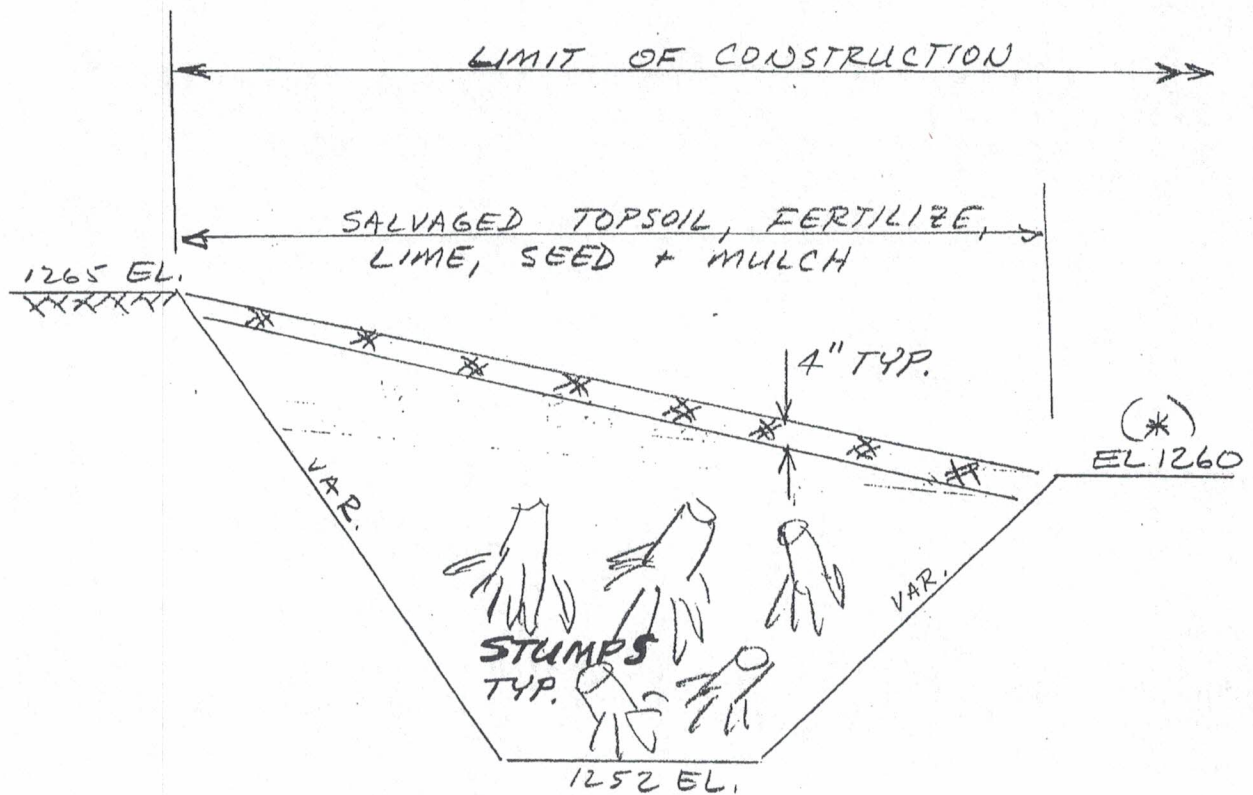


STABLE HIGH WALLS

NO SALVAGED TOPSOIL REQ'D.

NOT TO SCALE

(*) EL 1260 FOR PLANNING PURPOSES ONLY



STUMP BURIAL LOCATION

NOT TO SCALE

(*) EL 1260 FOR PLANNING PURPOSES ONLY

EL=1256.0

1260

1275

1270

EL=1252.5

EL=1272.4

1270

EL = 1260

PROPOSED FINAL CONTOURS

Former Oakland
Township Dump
(Currently Not Used)

WETLAND 1
S3K

WETLAND 2
S3K

SE 1/4 of SW 1/4 Sec 9 T46N R13W

N

FINAL CONTOURS

SCALE 1" = 150' APPROX.