PROPOSED RECLAMATION PLAN FOR: Brian Anderson Sand Pit

GENERAL INFORMATION:

Operator Name/Address: B. Anderson Excavating LLC
12541 Fleetwood Rd.
Tomah, WI 54660

Phone Number: 608 - 797-3519

Property Owner: Same

Parcel Number/Site ID#: 004002850000, 004002860000

Property Description: 11108 Hazelwood Ave, Sparta WI T17N R3W Sec.8

SITE INFORMATION:

Current Property Use/Description: *(Include groundwater information, geologic information, existing surface waters, structures, etc.)*
This 50 acre property currently has 30 acres in agricultural production. Soil types include Tarr Sand and Mindoro Sand. Both soils have a shallow topsoil layer underlain with 50+ inches of sand. Groundwater is present within 2-25 feet from the surface. Mining will occur within the water table.

Description of Mineral Deposit: *(Include mineral(s) to be extracted, estimated volume to be removed)*
Sand will be the mineral deposit that will be mined. Mine life is estimated at 30 years with approximately 10,000 cu yds being removed per year. This amount can change based on consumer demand.

Topsoil Distribution: *(Distribution, thickness and type of topsoil)*
This site contains a layer of topsoil with a thickness of 8" or less. All topsoil disturbed will be piled and seeded until needed for reclamation. If topsoil is removed from the site, additional topsoil will be brought in to complete the reclamation process.

Biological Resources: *(Information available on types of plant life, wildlife species, etc)*
This site contains very little wildlife habitat. There is a 4 acre pine plantation on the property which may provide roosting cover for various bird species.

MAPS:

Maps must be provided which indicate the following information. In many cases, items can be combined onto one map to reduce the number of maps being provided.

- Γ Current Site Characteristics including previously mines areas, water retention basins, structures, etc. **(Only required for existing mine sites)**
- Γ General Location Map
- Γ Property Boundaries
- Γ Aerial Extent – proposed area to be mined
- Γ Designated Phases for Mining/Reclamation
- Γ Geologic Composition and Depth of Deposit
- Γ Distribution, Thickness and Type of Topsoil
- Γ Depth to Groundwater Information
- Γ Location of Surface Waters
- Γ Existing Drainage Patterns
- Γ Existing Topography – Contour Maps
- Γ Manmade Features on or Near Site (homes, ponds, etc)
- Γ Final Site Topography – Contour Maps
- Γ Final Site Characteristics

PROPOSED POST MINING LAND USE: *(Describe in detail the proposed mining land use, how phasing will be used for reclamation, etc. Also include information on zoning and applicable land use planning.)*

Post mining land use will consist of crop fields on areas that were not mined, and a pond encompassing the mined area. Pond acreage will be dependent on actual acres mined.

RECLAMATION MEASURES:

Description of Phases and Estimated Time-frames:

The site will be mined in 5 phases. See attached map for mine phasing.

Handling of Topsoil:

Topsoil will be stock piled and seeded until needed for reclamation.

Proposed Slopes and Grades:

Slopes on the edge of the pond will be 3:1 horizontal or flatter, with at least 2 sites being 6:1 or flatter to allow for egress from the pond.

Description of Grading Methods: *(Including equipment, methods, etc)*

Grading will be completed with a tracked dozer and excavator. All piles will be leveled prior to seeding the site.

Proposed Final Features: *(Including items such as ponds, wetlands, woodlands, etc)*

The excavated area will be a shallow pond with a seeded perimeter. Any land not mined or disturbed will be planted to agricultural row crops.

RE-VEGETATION MEASURES: *(Describe activities for re-vegetation of the property including grading, seed mixes, seeding rates, soil amendments, when seeding will occur, erosion control methods, etc.)*

Seed Mixes, Seeding Rates and Schedule: *(Include discussion on proposed time-frame for seeding to achieve best results. Seed mixes and rates may be submitted as an attachment)*
See seed mixture and rates in attachment _____

CRITERIA FOR ASSESSING RECLAMATION: *(Describe what criteria will be used to determine that the reclamation is successful – including re-vegetation efforts.. Examples include comparison to a reference plot, baseline data from photographs and plant counts, etc.)*

Reclamation will be considered successful once final shaping of the site has been completed. This includes establishment of vegetated cover on the areas surrounding the pond as well as the pond slopes. A minimum of one complete growing season will be required before a determination of established vegetation can be made. Once successfully reclaimed, a Certificate of Completion will be issued by the R.A. and Financial Assurance will be released. The contractor must contact the R.A. to receive a completed reclamation determination.

Financial Assurance: Financial assurance is required to allow the RA access to funds to reclaim a site if the operator fails to do so. This amount will be based on the cost of the RA hiring an outside contractor to complete the reclamation as described in the reclamation plan.

Active Acres 5 x $2000 Cost per acre = **$10,000**

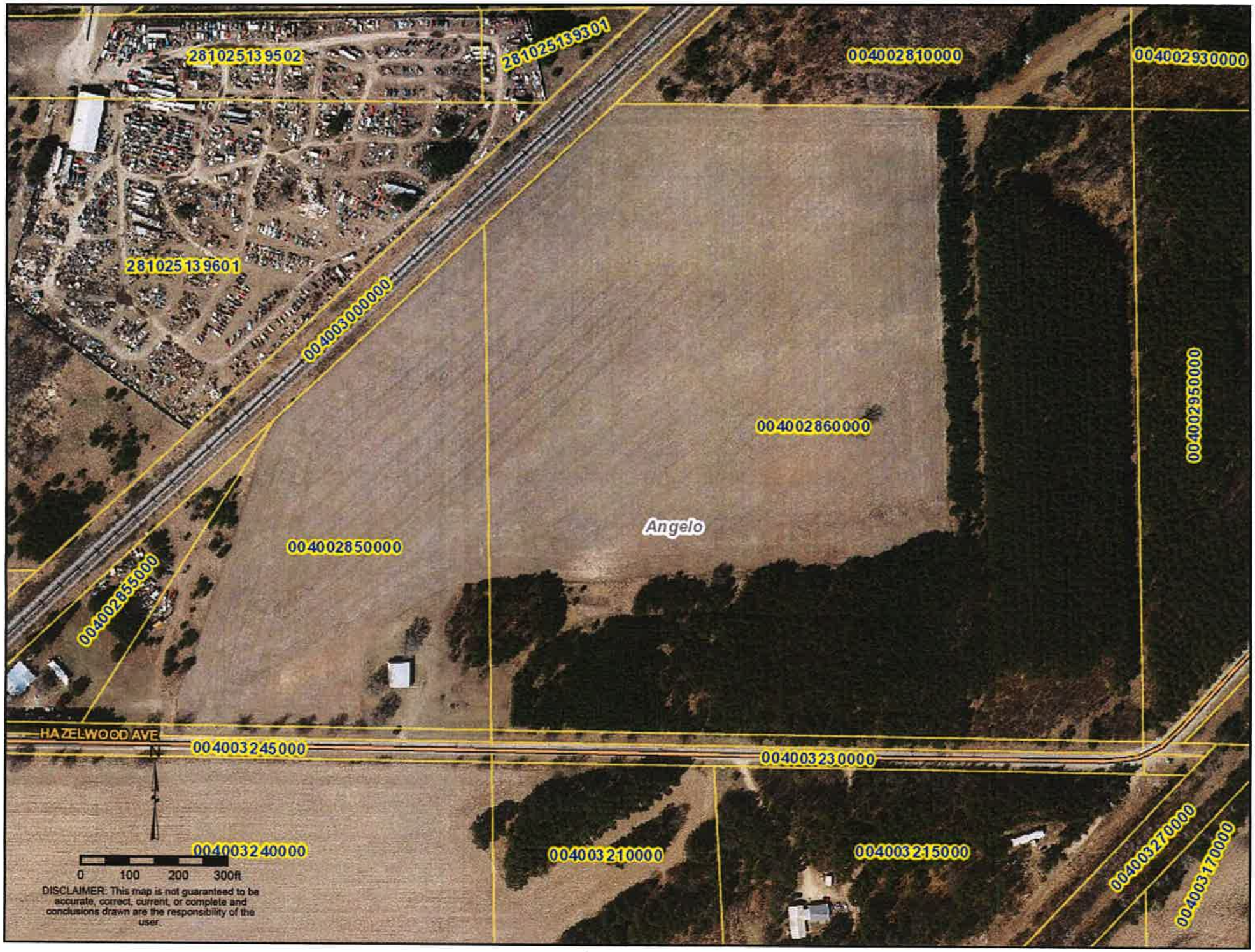
CERTIFICATION:

Operator:

I, BRIAN ANDERSON, as an authorized representative of B. ANDERSON EXCAVATING LLC, certify that the proposed reclamation of the site referenced in this document will be carried out in accordance with the proposed reclamation plan and any subsequent, approved changes.

Owner and/or Lessee:

I, _____, certify that I concur with the reclamation plan submitted and will allow its implementation.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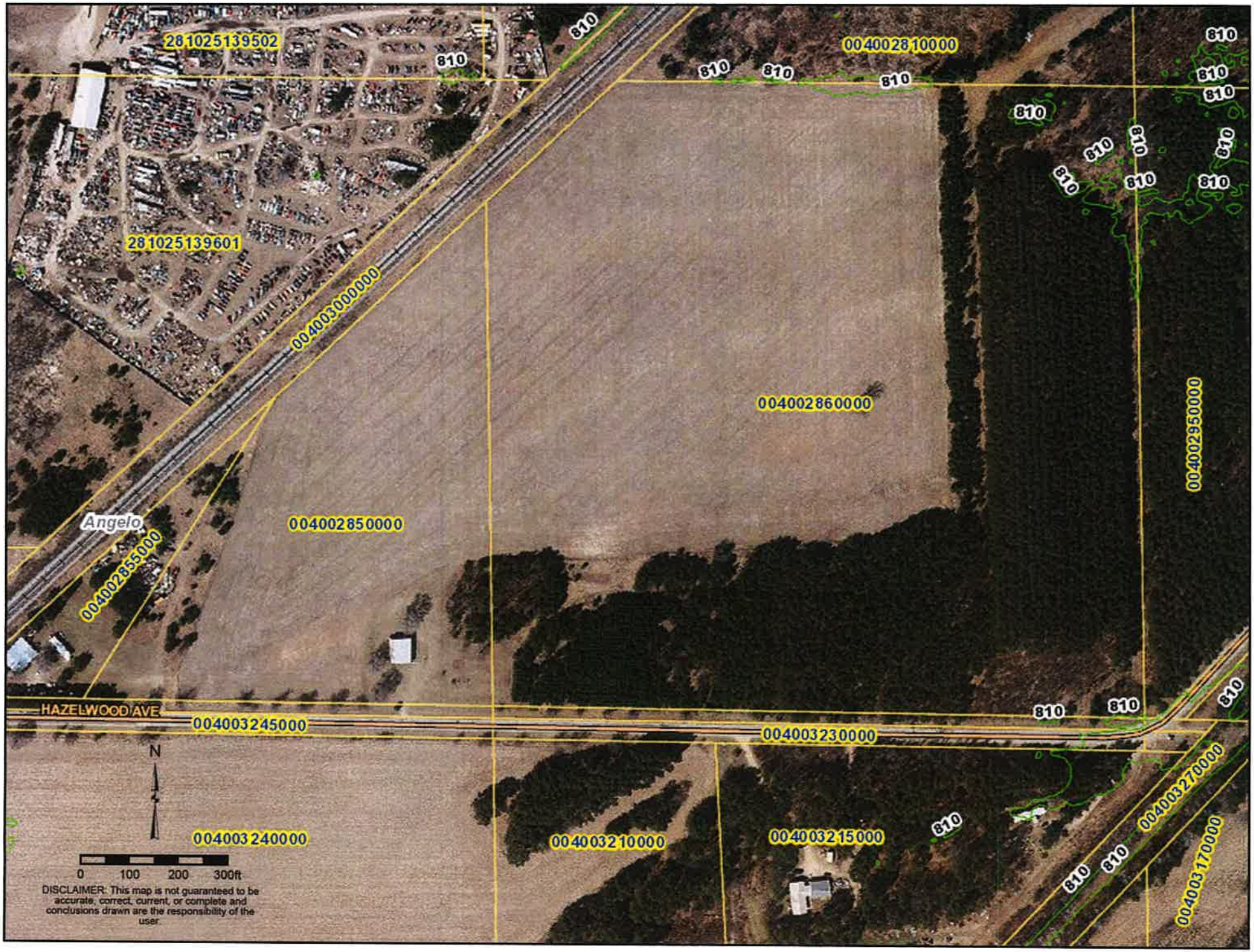
DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.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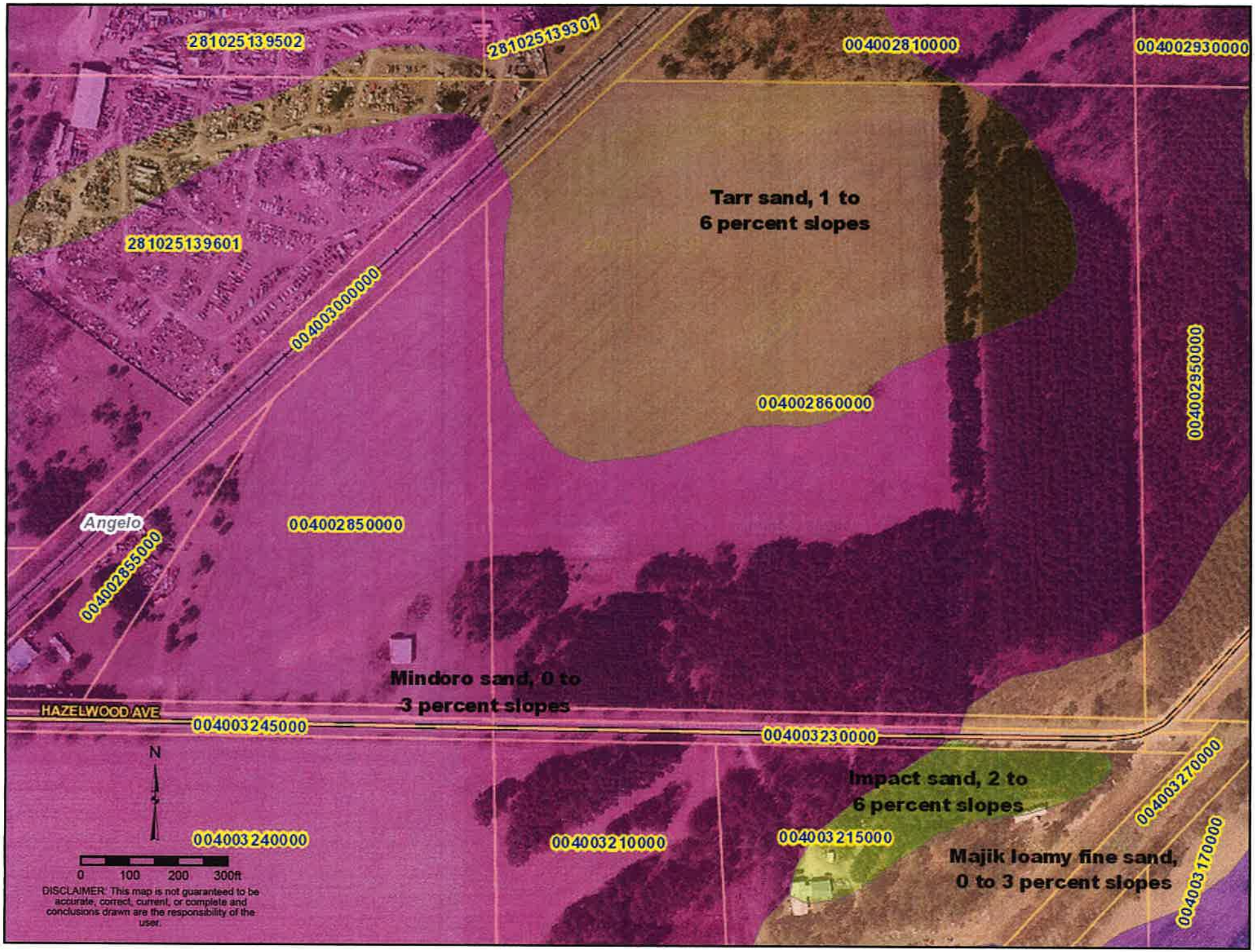
281025139502
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004003000000
Tarr sand, 1 to
6 percent slopes
004002860000
004002950000
Angelo
004002850000
004002855000
Mindoro sand, 0 to
3 percent slopes
HAZELWOOD AVE
004003245000
004003230000
N
Impact sand, 2 to
6 percent slopes
004003270000
004003240000
004003210000
004003215000
Majik loamy fine sand,
0 to 3 percent slopes
004003170000
0 100 200 300ft
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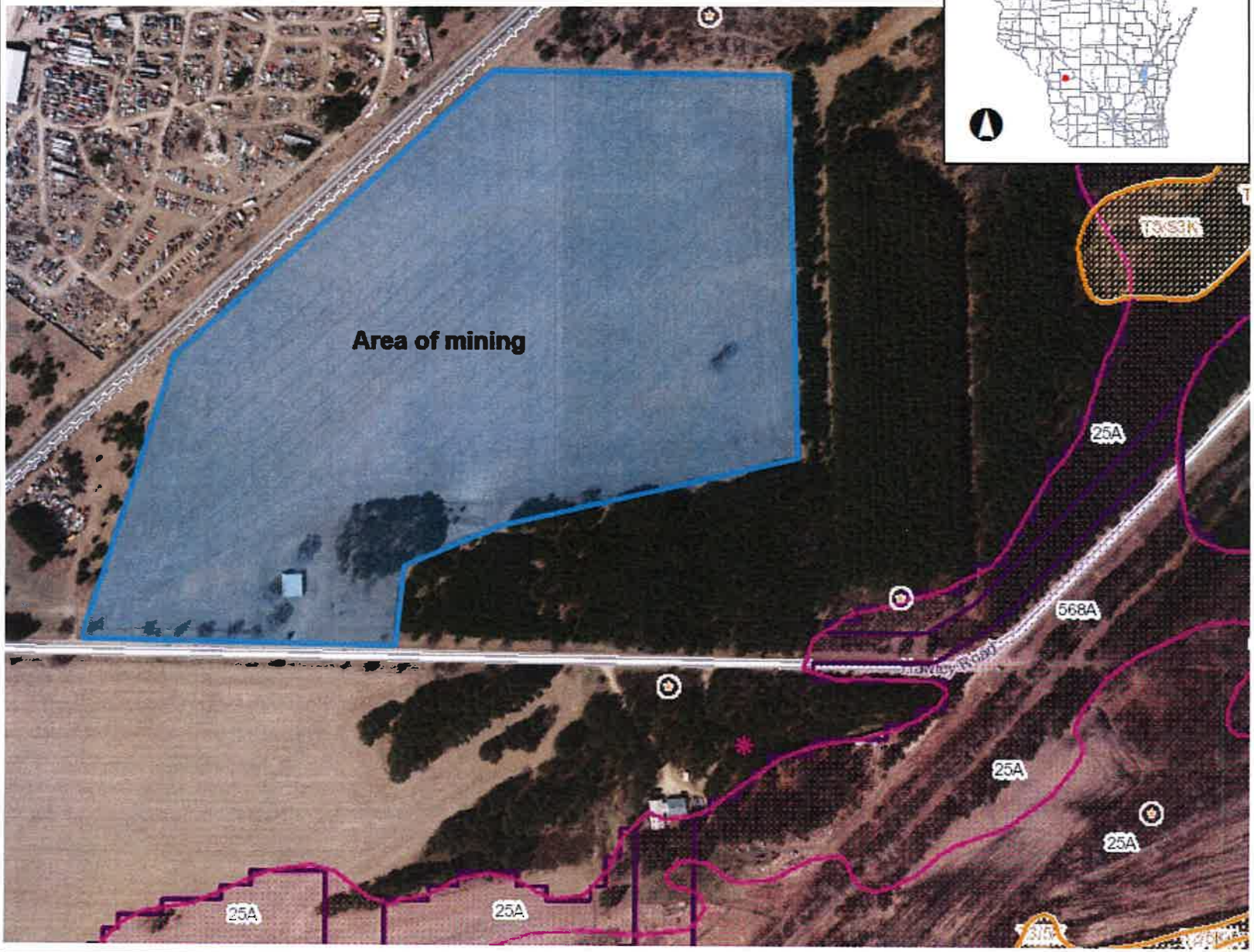
Brian Anderson Sand Mine SWDV



Legend

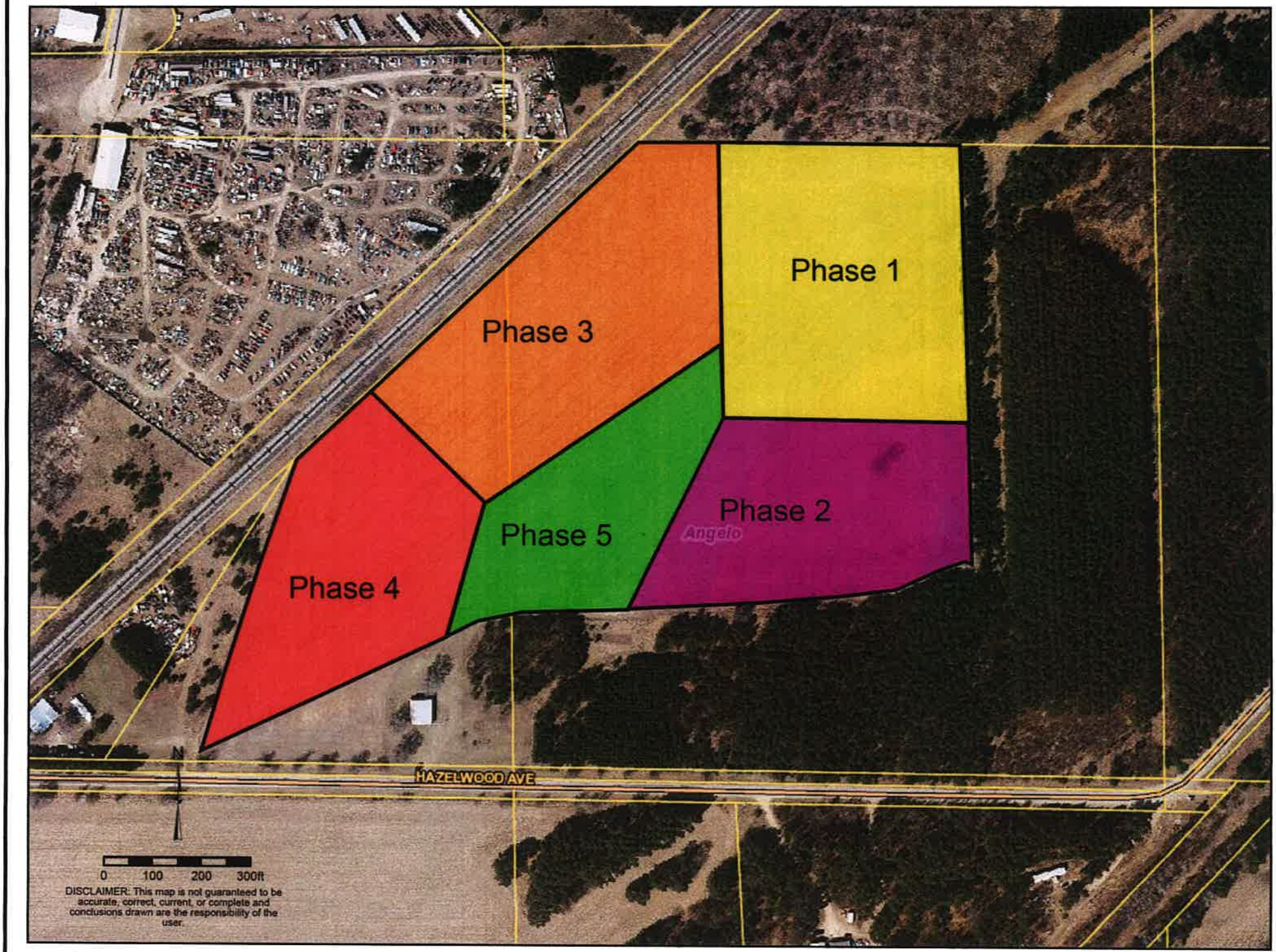
- Wetland Identifications and Confirmations
- Wetland Class Points
  - Dammed pond
  - Excavated pond
  - Filled excavated pond
  - Filled/drained wetland
  - Wetland too small to delineate
- Filled Points
- Wetland Class Areas
  - Wetland
  - Upland
- Filled Areas
- Wetland Class Points
  - Dammed pond
  - Excavated pond
  - Filled excavated pond
  - Filled/drained wetland
  - Wetland too small to delineate
- Filled Points
- Wetland Class Areas
  - Wetland
  - Upland
- Filled Areas
- NRCS Wetspots
- Maximum Extent Wetland Indicators
- Minimum Extent Wetland Indicators
- Municipality
- State Boundaries
- County Boundaries
- Major Roads
  - Interstate Highway
  - State Highway

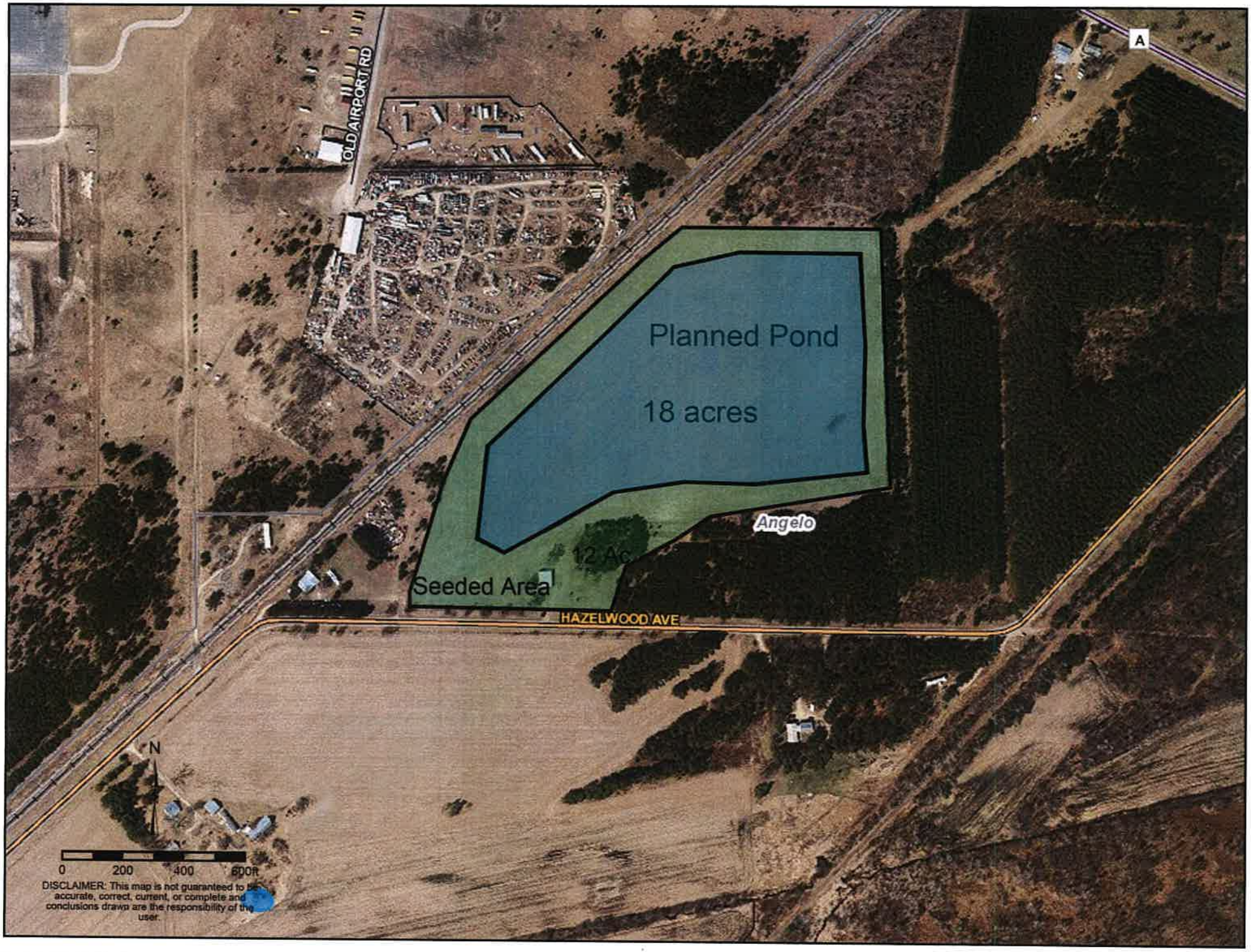
Notes

0.1 0 0.06 0.1 Miles

NAD_1983_HARN_Wisconsin_TM

1: 3,960


Phase 1
Phase 3
Phase 2
Phase 5
Phase 4
HAZELWOOD AVE
N
0 100 200 300ft
DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.


OLD AIRPORT RD
A
Planned Pond
18 acres
Angelo
12 Ac
Seeded Area
HAZELWOOD AVE
N
0
200
400
600R
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SEEDING DATES — CENTRAL

TIME PERIOD	DATES			TYPE OF SEEDING
Spring	April 15	through	June 1	Permanent
Summer	June 2	through	see WI-710ss pg 2	Temporary *
Late Summer	August 1	through	August 21	Permanent
Fall	August 22	through	see WI-710ss pg 2	Temporary *
Late Fall	November 1	through	Snow Cover	Dormant
Winter	Snow Cover	through	April 14	Not Allowed

MATERIALS

If no soil test is available, apply a minimum of 150 pounds of 20-10-10 fertilizer per acre. This is equivalent to 30 pounds nitrogen (N), 15 pounds phosphate (P205), and 15 pounds potash (K2O) per acre. Apply two tons of 80-89 lime or equivalent.

* Seed a temporary cover crop of Oats at 64 # /ac (2 bu/ac)
A permanent seeding shall be completed during the next acceptable time period following a temporary seeding.

MINIMUM PURE LIVE SEED (PLS) [1] RATE PER ACRE AND TOTAL POUNDS OF SEED NEEDED

	SEEDING MIX (DESIGN) 18	LOCATION: All areas	
		ACRES: 12.00	
	SPECIES	RATE	POUNDS
	Timothy	3.0	36.0
	Perennial Ryegrass	3.0	36.0
	Red Clover	3.0	36.0
	Smooth Bromegrass	6.0	72.0
	Kentucky Bluegrass	2.0	24.0
**	Oats	64.0	768.0

SEEDING MIX (AS-BUILT)	LOCATION ACRES	
SPECIES	RATE	POUNDS

[1] PLS lbs. = (total % Germination / 100 * % Purity / 100) * Net Weight (lbs.)

** Companion Crop

ADDITIONAL SEED PERCENT: ____ %

Mulching Required ____

Total % Germination may also be termed *Total %* Viable Seed on a tag. If a tag only shows % Germination, the user must *include percentage of the seed that germinated during the lab test* (% Germination) **plus** the *percentage of hard and/or dormant seed.* Hard seed and dormant seed are seeds that are still capable of germinating and producing a plant but did not germinate under the conditions of the test in the lab.

Additional native seeds may be required by permitting agencies. These addition are allowed.
Seed mixture shall meet all requirements of the WI weed laws.
Species identified as restricted or prohibited by law shall not be planted.
Certified seed shall be used, and the seeding rates will be based on pure live seed.
For dormant seedings, increase the seeds per square foot by 15%.

SEEDBED PREPARATION

Seedbed preparation shall immediately follow construction activities.
Prepare a fine, firm seedbed to a minimum depth of three inches. A seedbed is considered firm when a footprint penetrates 1/4 to 1/2 inch deep.

SEEDING

Inoculate legumes with the specific inoculum for the species in accordance with the manufacturer's recommendations. When using a hydroseeder, five times the recommended rate of inoculant shall be added to the hydroseeder. Inoculant shall not be mixed with liquid fertilizer.

Seed may be broadcast or drilled as appropriate to the site.
Seed, fertilize, and lime as soon as possible after construction.
Seeding perpendicular to direction of flow is required to limit erosion.

Seed grasses and legumes no more than 1/4 inch deep.

Consider seeding at a lower rate and making 2 passes to ensure more uniform distribution.

TEMPORARY SEEDING OPTIONS

Select one of the following species for temporary cover if:

1) The required seeds or plant stock are not available or
the normal permanent seeding period for the species has passed
   - Forage Sorghum - 1/2 bushel per acre (May 15-July 15)
   - Sorghum - Sudangrass Hybrid - 1 bushel per acre (May 15-July 15)
   - Sudangrass - 1 bushel per acre (May 15-July 15)
   - Winter Wheat - 2 bushels per acre (Aug 1-Oct 1)
   - Winter Cereal Rye - 2 bushels per acre (Aug 1-Oct 15)
   - Oats - 2 bushels per acre (Apr 1-Sept 1)
   - Annual Ryegrass - 20 Pounds per acre (Apr 1-Sept 1)

2) Triazine herbicide carryover will not allow establishment of permanent cover immediately.
   - Forage Sorghum - 1/2 Bushel per acre (May 15-July 15)
   - Sorghum - Sudangrass Hybrid - 1 Bushel per acre (May 15-July 15)
   - Sudangrass - 1 Bushel per acre (May 15-July 15)

DORMANT SEEDING

Seed is broadcast and incorporated, no-tilled, or drilled into the seedbed .
Seedbed preparations and conditions are similar to conventional seeding.

MULCHING

Mulching shall be done immediately after seedbed preparation and seeding.
Mulch shall be applied immediately after final grading for areas seeded at a later date.
Mulch material shall be relatively free of disease, pesticides, chemicals, noxious weed seeds, and other pests and pathogens.

Spread straw and hay mulch uniformly and at the rate of 1.5-2.0 tons per acre (60-70 bales). This application results in a layer of 6 to 7 stems, 1 to 2 inches thick, and provides a minimum 70% ground cover. Some soil surface can be seen after the application. Crimping (disking), wood cellulose fiber, tackifiers, netting, pinning, or other acceptable methods of anchoring will be used if needed to hold the mulch in place.

If other mulch materials are used, the rate of application shall meet the manufacturer's recommendations.

USDA United States Department of Agriculture Natural Resources Conservation Service	INTRODUCED SPECIES SEEDING ESTABLISHMENT	Designed BAR Dat 3/21/19 Drawn Checked Approved	File Name WI-710SS Pg 2 of 2 1-2019
COOPERATOR Brian Anderson Angelo Sand COUNTY MONROE			Sheet X of X