VILLAGE OF WESTON
NOTICE OF PUBLIC HEARINGS

NOTICE IS HEREBY GIVEN that a public hearing will be held before the Village of Weston Plan Commission, on Monday, November 13, 2017, at approximately, 6:00 p.m., or shortly thereafter, at the Weston Municipal Center, 5500 Schofield Avenue, Weston, WI 54476 to take testimony relative to the following:

CU-10-17-1669 Gary Guerndt, 8201 Ryan Street, Weston, requesting a Conditional Use Permit to allow for a proposed non-metallic mine operation, on property within the AR (Agriculture and Residential) Zoning District, described as:

Lot 1, CSM 17452, Volume 83, Page 109, Document #1717392. This parcel is addressed as 8201 Ryan Street, and consists of 77.180 acres.

The hearing notice with application materials are available for public inspection on the Village of Weston website located at http://westonwi.gov/421/Public-Hearing-Notices.

Written testimony must be submitted to the Village of Weston Plan Commission, Valerie Parker, Plan Commission Secretary, 5500 Schofield Avenue, Weston, WI 54476, or emailed to vparker@westonwi.gov, by noon on Tuesday, November 7, 2017 to be included in the Plan Commission Meeting Packet. All interested persons attending the Public Hearing will be given an opportunity to be heard. Any person with questions or planning to attend needing special accommodations in order to participate should call Valerie Parker, Planning Technician, Planning and Development Department, at 715-241-2607.

Dated this 26th day of October, 2017

Valerie Parker
Plan Commission Secretary

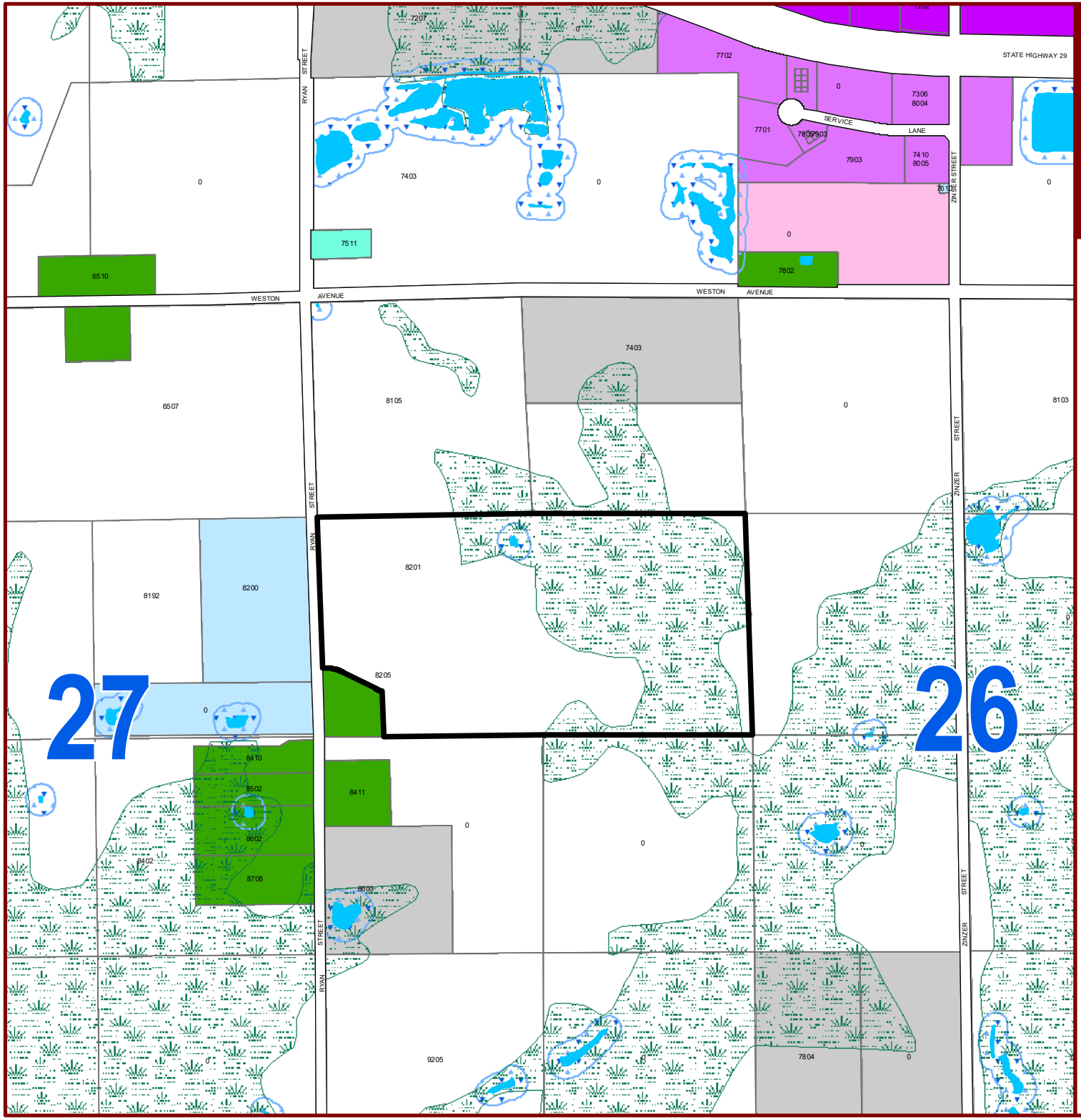
Published as a legal ad in the Wausau Daily Herald on Monday, October 30, 2017 and Monday, November 6, 2017.

Village and Town of Weston
Marathon County, Wisconsin

OFFICIAL ZONING MAP

Map Date:	11/3/2017
Adoption Date (Village):	2/22/2017
Adoption Date (ETZ):	2/22/2017
Adoption Date (Town):	1/23/2016

0 0.075 0.15 0.3 Miles



LEGEND

- 8201_Ryan_Street
- Village of Weston
- Right-of-way
- Parcel Boundary
- Surface Water
- Wetland

ZONING DISTRICTS

- AR - Agriculture and Residential
- RR-2 - Rural Residential-2 Acre
- RR-5 - Rural Residential-5 Acre
- SF-L - Single Family Residential-Large Lot
- INT - Institutional
- BP - Business Park
- LI - Limited Industrial
- GI - General Industrial
- VIllage of Weston Shoreland Overlay Zoning

OPERATIONAL PLAN

10-30-2017

Guerndt Ryan Street Non-Metallic Mine

Introduction

The Ryan street mine is proposed as a 15 acre hard rock non-metallic mining operation. The site is located one quarter mile south of Weston Ave on Ryan Street, directly east of the Village's Materials site. Existing rock formations will be blasted, crushed and sorted into various products for road and site development projects.

Proposed Materials

The typical crushed rock products used in central Wisconsin construction projects will be made at the site. Clean ¾ inch stone, 1.25 inch dense graded CABC, breaker run materials of various sizes, such as 3 or 6 inch minus, or other products as specific projects may require, will be made on site. Larger stones left over in the blasting process will be segregated and stockpiled to be used as landscape retaining wall materials. The topsoil stripped from the site will be used to top screen berms, with excess materials sold. Other topsoil will likely be back hauled from project sites to be recycled and sold. Other surplus materials, such as rocks and demolition concrete from projects sites, may also be back hauled for recycling into products such as CABC.

Production rates of various materials will be market driven. Typically production runs and stockpiles would be in the 3,000 to 5,000 cubic yard ranges. Workloads will also factor into production rates. When other company workloads are slow, material production and stockpiles may be increased in anticipation of upcoming project needs.

A topsoil pile of 5,000 to 10,000 cu yds is anticipated. Topsoil and other product stockpiles will be made with a 60 ft stacker conveyor, with resulting piles 50 ft or less in height.

Proposed Operations

The operations will be typical of a hard rock mine. After the removal of topsoil and overburden the hard rock formation will be blasted into pieces sized for crushing. Backhoes and off road dump trucks will be used to remove the rock and transport it to the crusher. The materials will be crushed to various product sizes. Other materials will be screened and blended to produce the desired final product. Conveyors will stockpile the products. Loaders will place products into street dump trucks to be hauled off site. Truck traffic will travel northward to Weston Ave. At Weston Ave traffic will travel east to CTH J or north to Schofield Ave. or westward to Camp Phillips, depending upon the delivery location and seasonal street weight limits.

Various construction and material handling equipment will be used on site. Drill rigs for the blasting, backhoes, dump trucks, crushers, screens, conveyors, loaders and dozers will be standard operating equipment.

Proposed Hours of Operations

Normal mining, material processing and trucking operating hours will be 7 AM to 6 PM, Monday through Friday. Occasionally, Saturday hours will be 8 AM to 1 PM. However, some projects (such as DOT night highway work) may require extended hours past 6 PM weekdays and 1 PM Saturdays for material deliveries. The operator will notify the Village of such projects that require the loading and delivery of processed materials beyond normal operating hours.

Initial Project Start Up

The adjacent residents and property owners listed in the application are currently being contacted by Mr. Guerndt to review the proposed project with them.

Following Village and County approvals and prior to any rock removal processes the adjacent residents will be offered the opportunity to have their wells tested for base water quality parameters#, VOC screen and Bac-t. The static water level will be determined. This testing will be completed to determine a base ground water location and quality prior to any mining operations.

Prior to any blasting the blasting sub-contractor will complete their site evaluation, determine their drilling patterns, charge amounts and determine what adjacent structures they need to survey prior to blasting.

Alkalinity, Aluminum, Calcium, Chloride, Conductivity, Hardness, Manganese, pH, Sulfate and Turbidity

WRITTEN JUSTIFICATION FOR THE

RYAN STREET QUARRY

This property is located in an appropriate area for the proposed nonmetallic mine. It is located in a relatively low residential density area and has access directly to a road currently monitored by the Village of Weston for such activities. The surrounding properties are zoned as Agricultural and Residential (AR), Institutional (INT) and Rural Residential (RR-2).

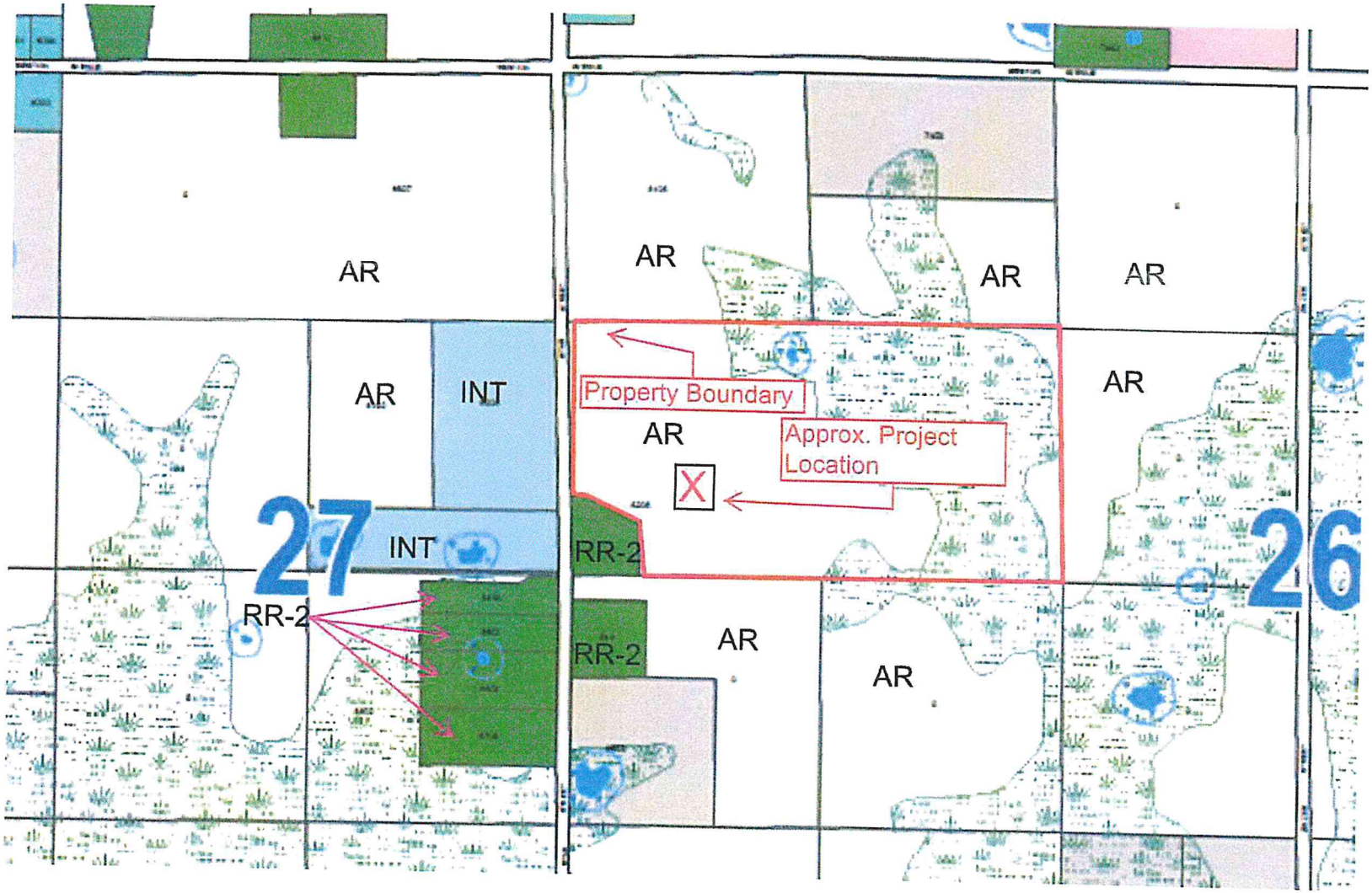
As the Village continues to expand and be progressive, it will be necessary to have a reliable source of material close to project areas such as road base, concrete, parking lots, driveway, etc. all of which this Quarry can provide if needed. The activities at this site will be similar to others in the area such as the nearby Tito Pit and the yard disposal site directly across the street.

Mr. Guerndt has been a successful business man in the area for years. As part of his success, he has demonstrated his willingness and ability to work with local, state and federal agencies as well as local residents. His facilities maintain safe and clean working environment to not create an undue burden on the surrounding area and landowners.

Properties Adjacent to Subject Parcel - 19228082710983

Parcel No.	Name Last	Name First	Street	No.	City	State	Zip Code
1	Neitzke	Marjorie	Ryan St.	8105	Weston	WI	54476
6.1	Neitzke	Marjorie	Ryan St.	8105	Weston	WI	54476
5	Wiesneski	Darlene	Old Hwy 51	1620 , Apt 16	Kronenwetter	WI	54455
8	Wiesneski	Darlene	Old Hwy 51	1620 , Apt 16	Kronenwetter	WI	54455
9	Zinser	Brian	Heeren St	8502	Weston	WI	54476
10	Neitzke	Marjorie	Ryan St.	8105	Weston	WI	54476
13	Buchberger	Gary & Bonita	Weston Ave.	5410	Weston	WI	54476
4.9	Gary R. Guerndt Rev. Trust		Ryan St.	8201	Weston	WI	54476
3.4	Village of Weston		Schofield Ave.	5500	Weston	WI	54476
2.1	Buchberger	Gary & Bonita	Weston Ave.	5410	Weston	WI	54476

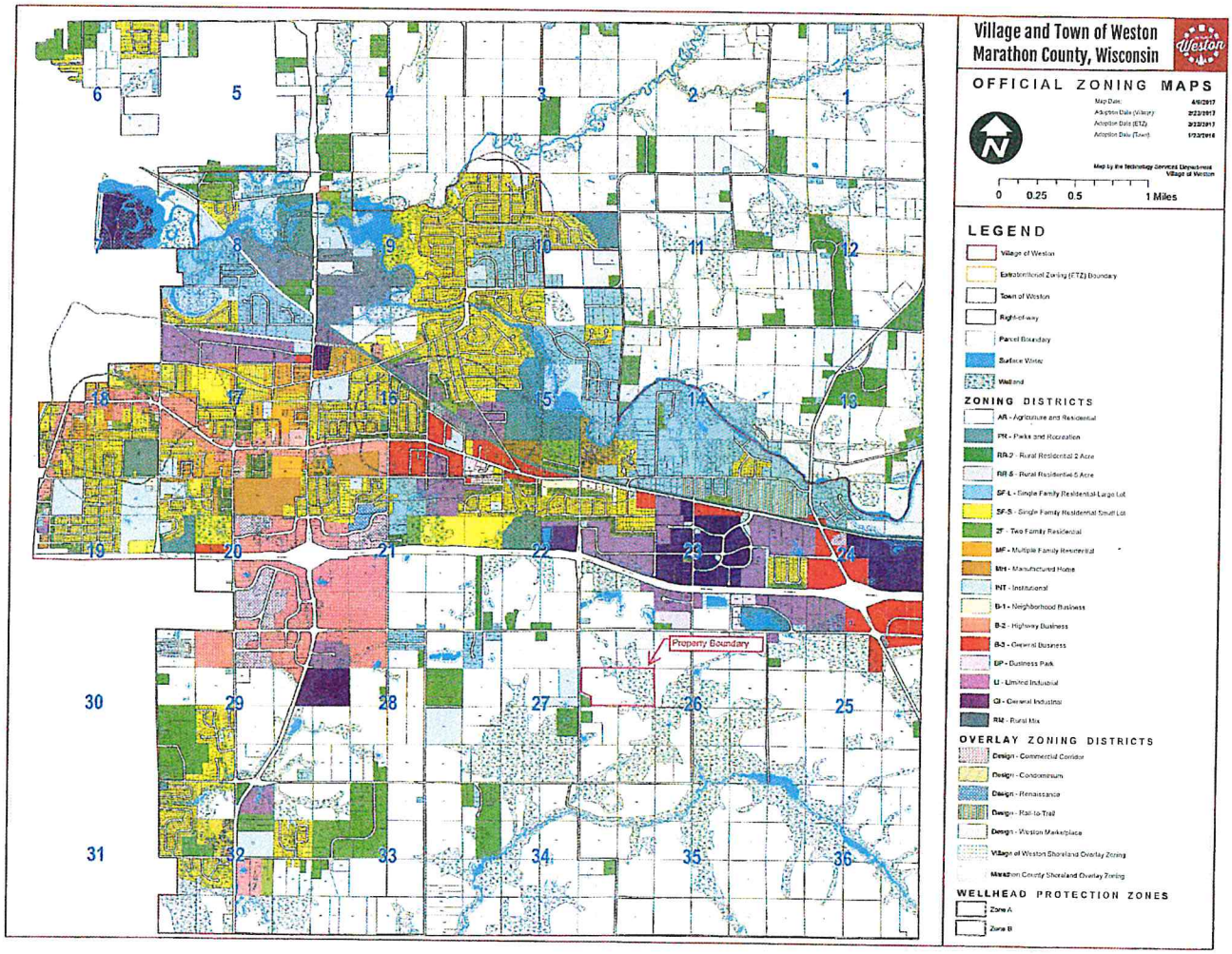
Zoning within 300 feet of Project Area



AR - Agriculture and Residential

INT - Institutional

RR2 - Rural Residential-2 Acre


Village and Town of Weston
Marathon County, Wisconsin
OFFICIAL ZONING MAPS
Map Date: 4/6/2017
Adoption Date (Village) 3/23/2017
Adoption Date (ETZ) 3/23/2017
Adoption Date (Town) 1/23/2018
Map by the Technology Services Department
Village of Weston
0 0.25 0.5 1 Miles
LEGEND
Village of Weston
Extraterritorial Zoning (ETZ) Boundary
Town of Weston
Right-of-way
Parcel Boundary
Surface Water
Wetland
ZONING DISTRICTS
AR - Agriculture and Residential
PR - Parks and Recreation
RR-2 - Rural Residential 2 Acre
RR-5 - Rural Residential 5 Acre
SF-L - Single Family Residential Large Lot
SF-S - Single Family Residential Small Lot
2F - Two Family Residential
MF - Multiple Family Residential
MH - Manufactured Home
INT - Institutional
B-1 - Neighborhood Business
B-2 - Highway Business
B-3 - General Business
BP - Business Park
LI - Limited Industrial
GI - General Industrial
RM - Rural Mix
OVERLAY ZONING DISTRICTS
Design - Commercial Corridor
Design - Condominium
Design - Renaissance
Design - Rail-to-Trail
Design - Weston Marketplace
Village of Weston Shoreland Overlay Zoning
Marathon County Shoreland Overlay Zoning
WELLHEAD PROTECTION ZONES
Zone A
Zone B
Property Boundary
1
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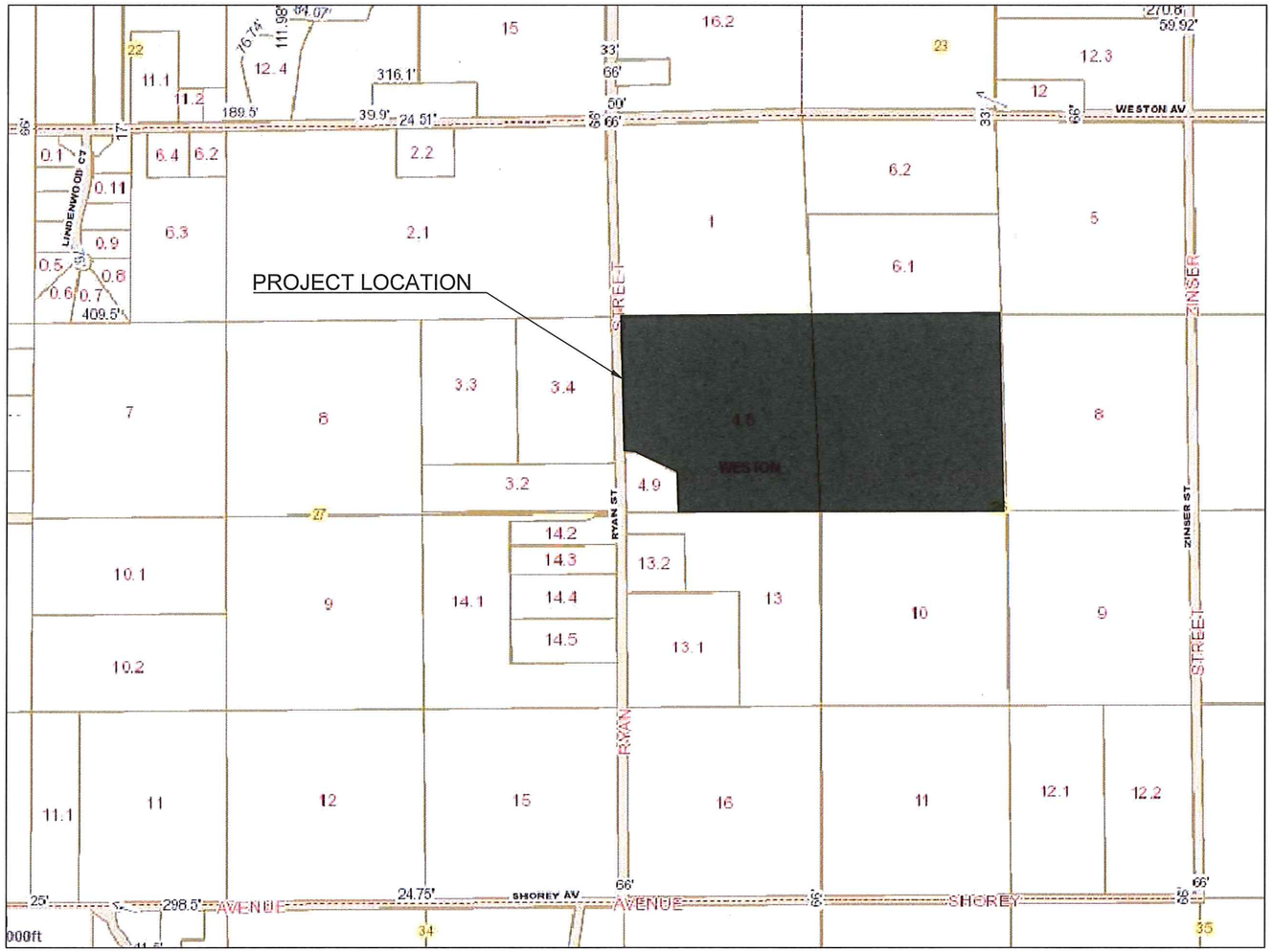
CIVIL PLANS FOR

PGA, INC.

8201 RYAN STREET, WESTON, WI 54476. PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 26, TOWNSHIP 28 NORTH, RANGE 8 EAST, VILLAGE OF WESTON, MARATHON COUNTY, WISCONSIN



LOCATION MAP

SHEET 2	EXISTING CONDITIONS
SHEET 3	PROPOSED MINING OPERATION
SHEET 4	PROPOSED RECLAMATION PLAN
SHEET 5	PROPOSED EROSION CONTROL PLAN
SHEET 6	EROSION CONTROL DETAILS
SHEET 7	PLAN & PROFILE PLAN

WISCONSIN
MARK W. THOMPSON
E-17891
WESTON, WIS
PROFESSIONAL ENGINEER

10-30-2017

MARATHON TECHNICAL SERVICES LLC
CONSULTING ENGINEERS
404 FRANKLIN ST - WAUSAU, WI 54403
PHONE & FAX - (715)843-7292
WWW.MTSLLC.NET

REVISION DATE
10/30/2017

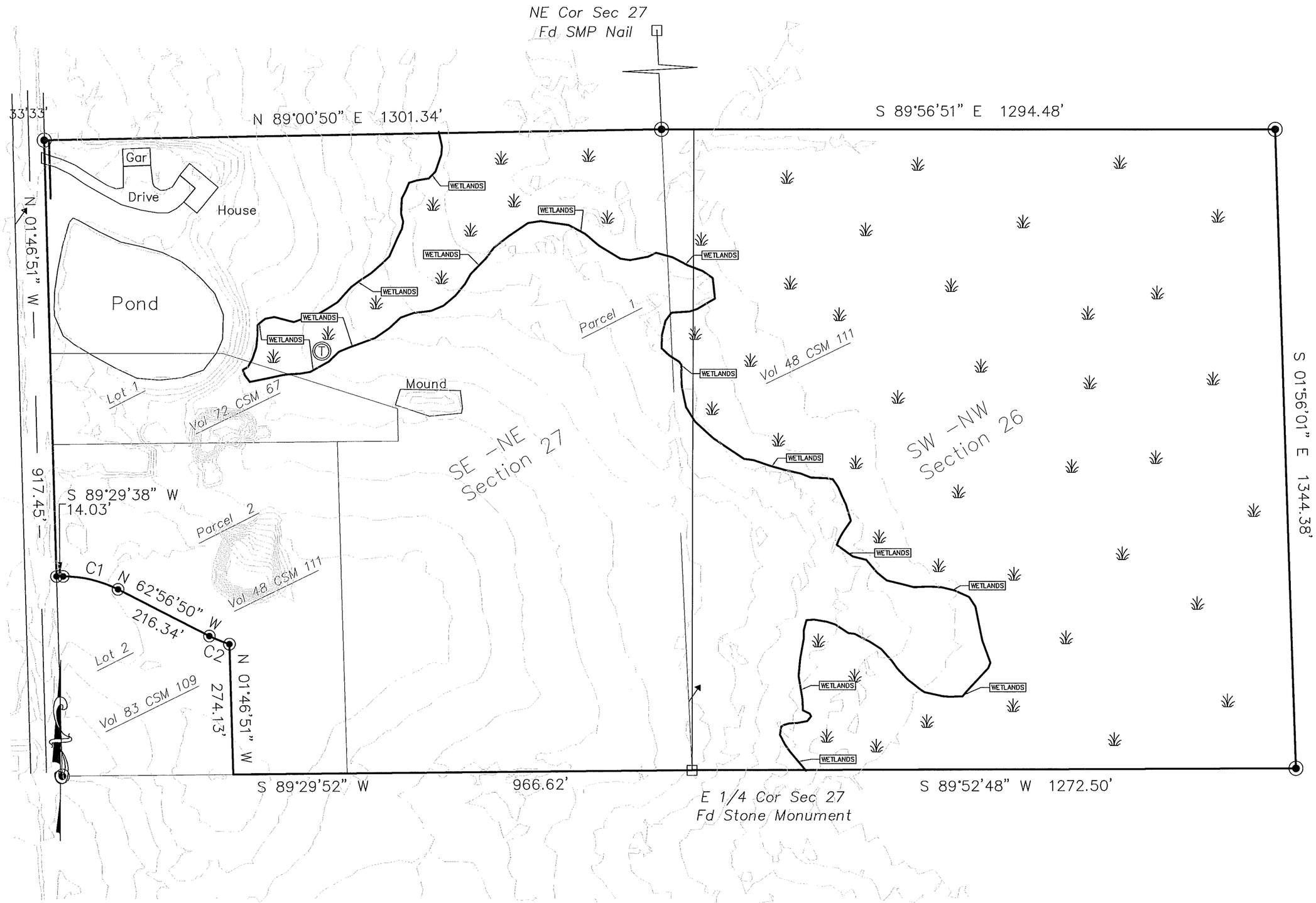
SURVEYED: HIGGINBOTHAM
DESIGNED: DMV
DRAWN BY: DMV
APPROVED: MT
DRAWING #:1707

COVER SHEET

RYAN STREET PIT
VILLAGE OF WESTON, MARATHON CO.

SCALE
NTS

SHEET NO.
1
OF 7 SHEETS



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EXISTING SITE PLAN

RYAN STREET PIT
VILLAGE OF WESTON, MARATHON CO.

SCALE
1" = 200'

SHEET NO.
2
OF 7 SHEETS

NE Cor Sec 27
Fd SMP Nail

N 89°00'50" E 1301.34'

S 89°56'51" E 1294.48'

33'33'

Drive

Drive

Gar

Drive

House

Pond

01°46'51" W — Ryan — 917 Street

WETLANDS

WETLANDS

WETLANDS

WETLANDS

WETLANDS

WETLANDS

WETLANDS

WETLANDS

WETLANDS

WETLANDS

WETLANDS

WETLANDS

WETLANDS

WETLANDS

WETLANDS

50' EXTRACTION OPERATIONS SETBACK

Mound

PROJECT BOUNDARY

WIRE WOVEN W/ WARNING SIGNS EVERY 100 FEET

PROJECT BOUNDARY

WIRE WOVEN W/ WARNING SIGNS EVERY 100 FEET

SALVAGED TOPSOIL STOCK PILE

WIRE WOVEN W/ WARNING SIGNS EVERY 100 FEET

SCREENED TOPSOIL STOCK PILE

220' OF ASPHALT PAVEMENT

STOCK PILE

STOCK PILE

STOCK PILE

STOCKPILE LOCATIONS UNTIL PHASE 3 IS COMPLETE

PHASE 4
92,223 SQ.FT.
2.117 ACRES

PHASE 1
87,155 SQ.FT.
2.001 ACRES

PHASE 3
87,766 SQ.FT.
2.015 ACRES

PHASE 2
87,146 SQ.FT.
2.001 ACRES

PROJECT BOUNDARY

WIRE WOVEN W/ WARNING SIGNS EVERY 100 FEET

PROJECT BOUNDARY

WIRE WOVEN W/ WARNING SIGNS EVERY 100 FEET

S 89°29'38" W
14.03'

C1 N 62°56'50" W 216.34'

C2 N 01°46'51" W 274.13'

8H:1V SLOPE TO BOTTOM OF PIT

POLISHING OPERATION

200' EXTRACTION AREA SETBACK

100' ANCILLARY OPERATIONS SETBACK

Drive

S 89°29'52" W 966.62'

E 1/4 Cor Sec 27
Fd Stone Monument

S 89°52'48" W 1272.50'

S 01°56'01" E 1344.38'

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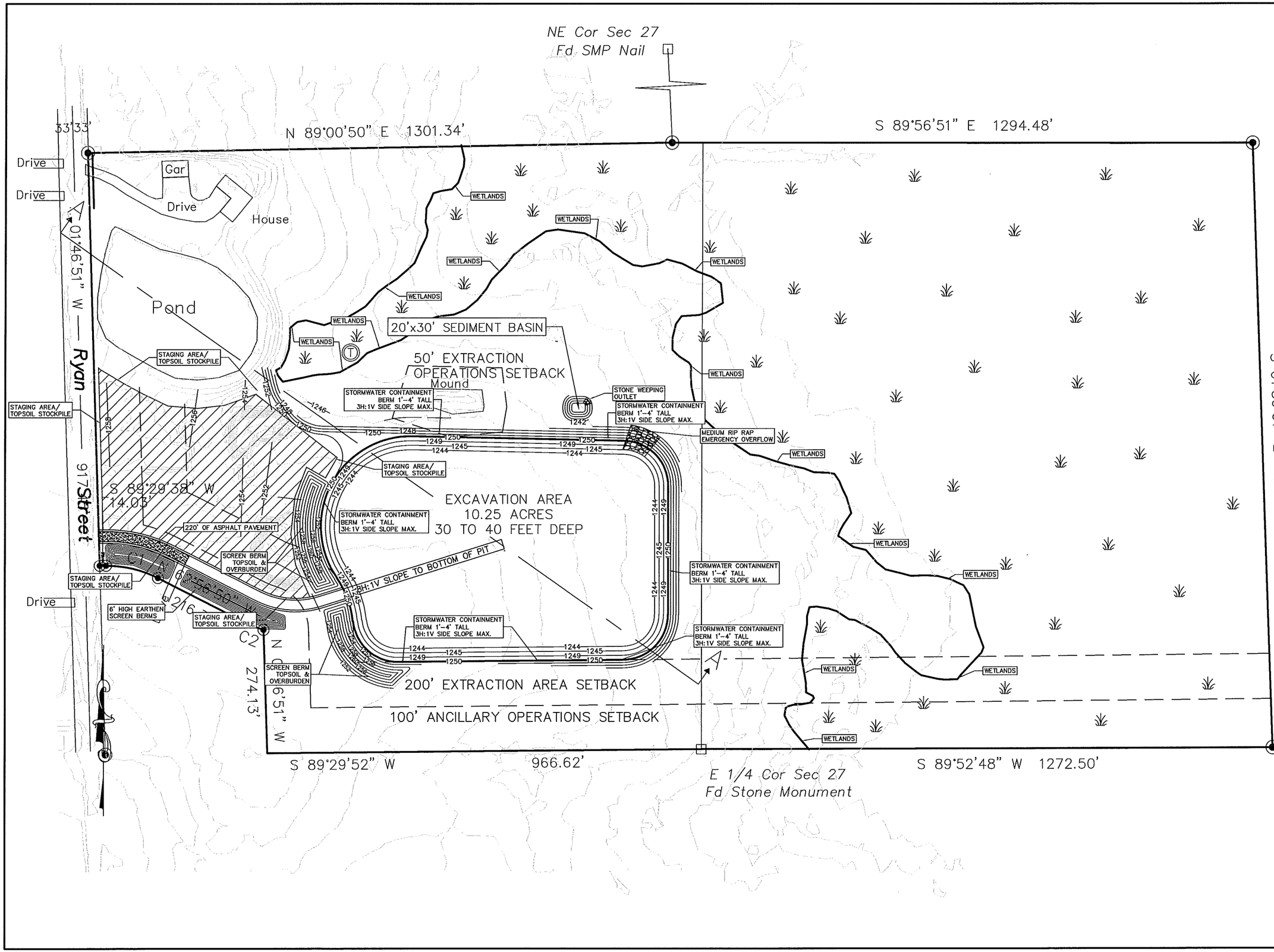
PROPOSED MINING OPERATION

RYAN STREET PIT
VILLAGE OF WESTON, MARATHON CO.

SCALE
1" = 200'

SHEET NO.
3
OF 7 SHEETS



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PROPOSED RECLAMATION PLAN

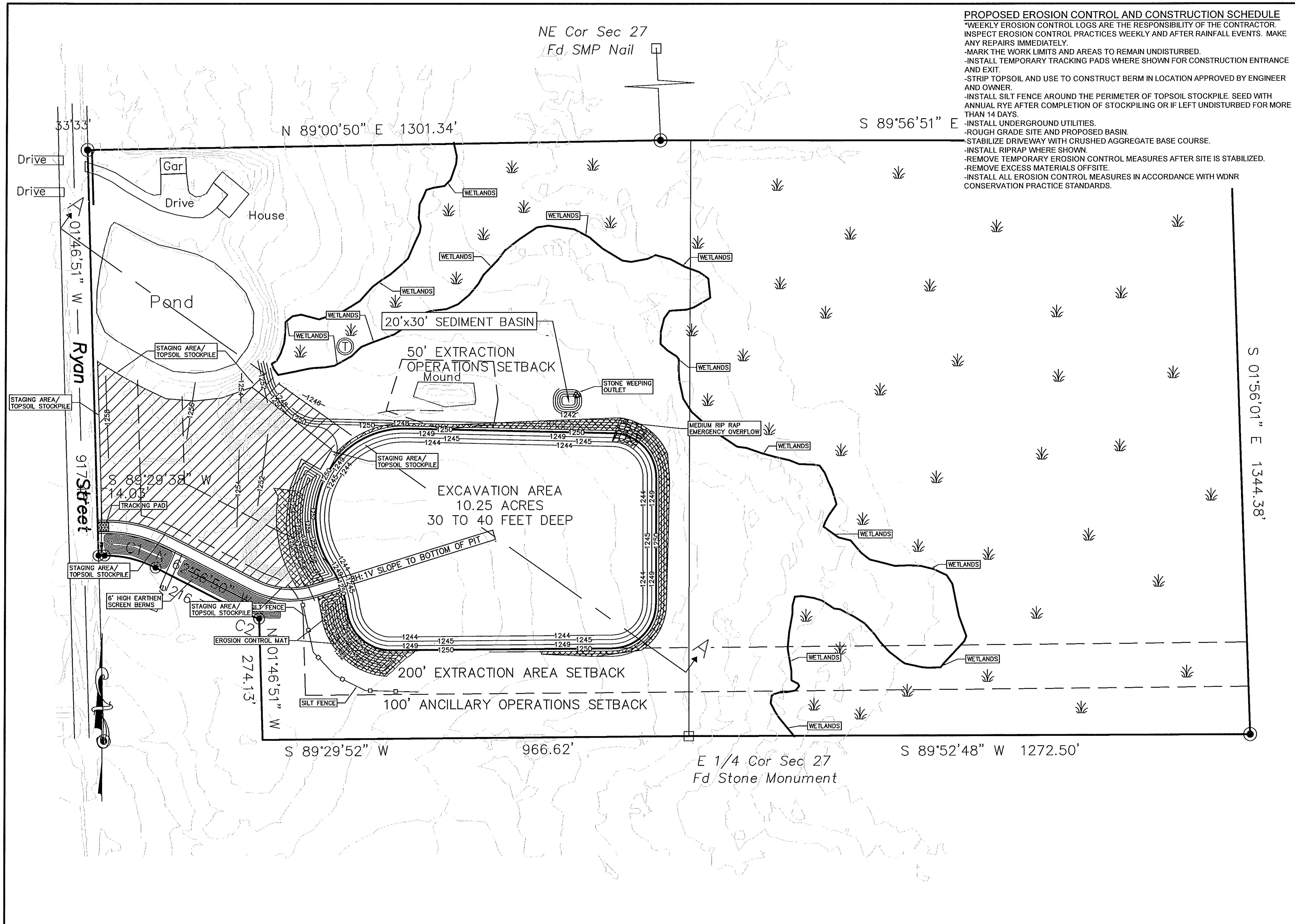
RYAN STREET PIT
VILLAGE OF WESTON, MARATHON CO.

SCALE
1" = 200'

SHEET NO.
4
OF 7 SHEETS

PROPOSED EROSION CONTROL AND CONSTRUCTION SCHEDULE

*WEEKLY EROSION CONTROL LOGS ARE THE RESPONSIBILITY OF THE CONTRACTOR. INSPECT EROSION CONTROL PRACTICES WEEKLY AND AFTER RAINFALL EVENTS. MAKE ANY REPAIRS IMMEDIATELY.
-MARK THE WORK LIMITS AND AREAS TO REMAIN UNDISTURBED.
-INSTALL TEMPORARY TRACKING PADS WHERE SHOWN FOR CONSTRUCTION ENTRANCE AND EXIT.
-STRIP TOPSOIL AND USE TO CONSTRUCT BERM IN LOCATION APPROVED BY ENGINEER AND OWNER.
-INSTALL SILT FENCE AROUND THE PERIMETER OF TOPSOIL STOCKPILE. SEED WITH ANNUAL RYE AFTER COMPLETION OF STOCKPILING OR IF LEFT UNDISTURBED FOR MORE THAN 14 DAYS.
-INSTALL UNDERGROUND UTILITIES.
-ROUGH GRADE SITE AND PROPOSED BASIN.
-STABILIZE DRIVEWAY WITH CRUSHED AGGREGATE BASE COURSE.
-INSTALL RIPRAP WHERE SHOWN.
-REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SITE IS STABILIZED.
-REMOVE EXCESS MATERIALS OFFSITE.
-INSTALL ALL EROSION CONTROL MEASURES IN ACCORDANCE WITH WDNR CONSERVATION PRACTICE STANDARDS.



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PROPOSED EROSION CONTROL PLAN

RYAN STREET PIT
VILLAGE OF WESTON, MARATHON CO.

SCALE
1" = 200'

SHEET NO.
5
OF 7 SHEETS

GENERAL NOTES:

DETAIL OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

WHEN POSSIBLE THE SILT FENCE SHOULD BE CONSTRUCTED IN AN ARC OR HORSESHOE SHAPE, WITH THE ENDS POINTING UPSLOPE TO MAXIMIZE BOTH STRENGTH AND EFFECTIVENESS.

ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOIL CONDITIONS.

ALTERNATES "A" & "B" ARE EQUAL AND EITHER MAY BE USED.

ATTACH THE FABRIC TO THE POSTS WITH WIRE STAPLES OR WOODEN LATH AND NAILS.

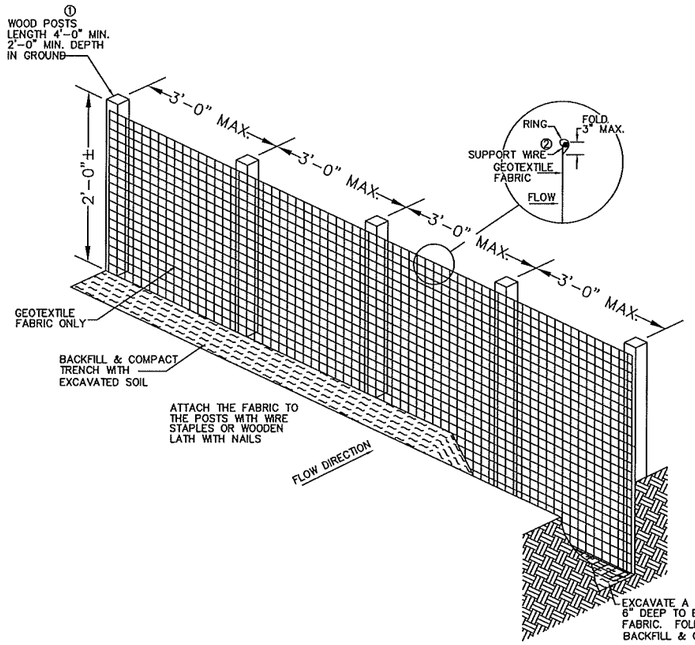
① STEEL POSTS SHALL BE A STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.28 LBS/LINEAL FOOT (WITHOUT ANCHOR). FIN ANCHORS SUFFICIENT TO RESIST POST MOVEMENT ARE REQUIRED. WOOD POSTS SHALL BE A MINIMUM SIZE OF 4" DIA. OR 1 1/2" X 3 1/2" EXCEPT WOOD POSTS FOR GEOTEXTILE FABRIC REINFORCED WITH NETTING SHALL BE MINIMUM SIZE OF 1 1/8" X 1 1/8" OAK OR HICKORY.

② MINIMUM 14 GAGE WIRE REQUIRED, FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR PLACE WIRE RINGS ON 12" C-C.

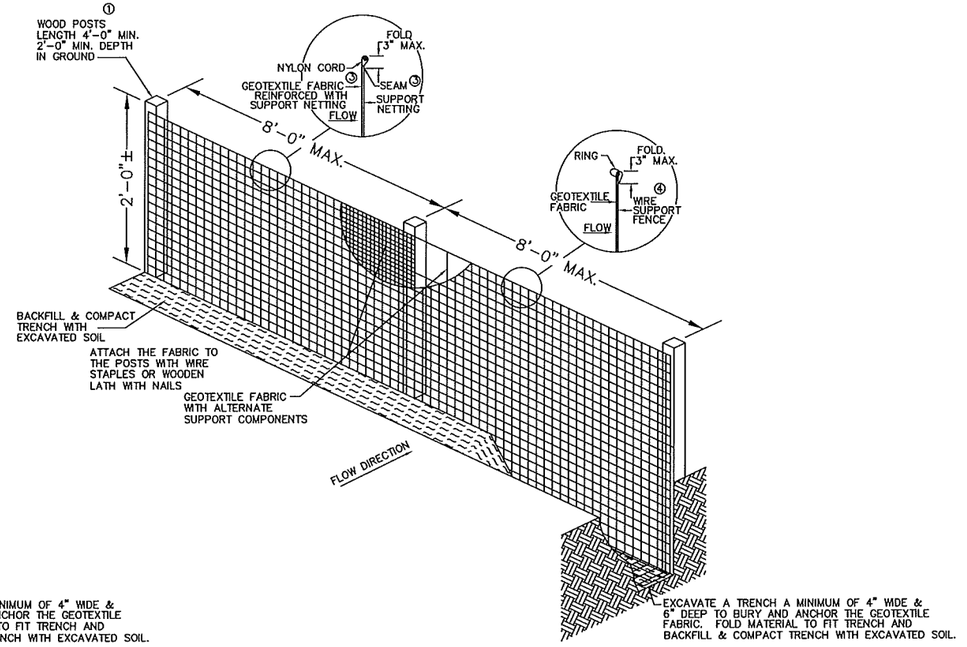
③ GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLYPROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 3/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED.

④ WIRE SUPPORT FENCE SHALL BE 14 GAGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C-C.

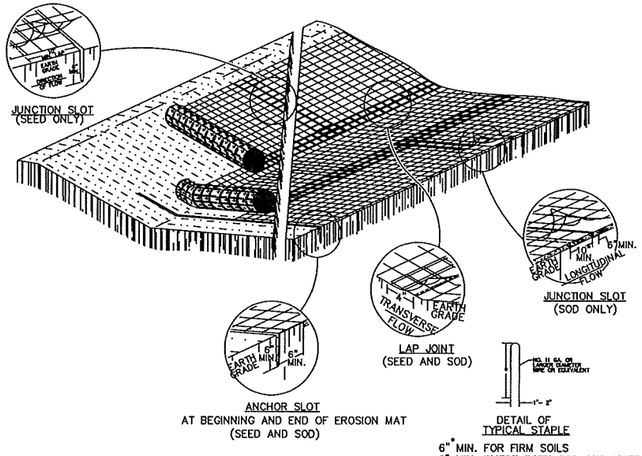
⑤ LENGTH NOT LESS THAN THE CIRCUMFERENCE OF THE LARGEST TIRE ON THE CONSTRUCTION EQUIPMENT, PLUS 5 FEET.



SILT FENCE ALTERNATE "A"

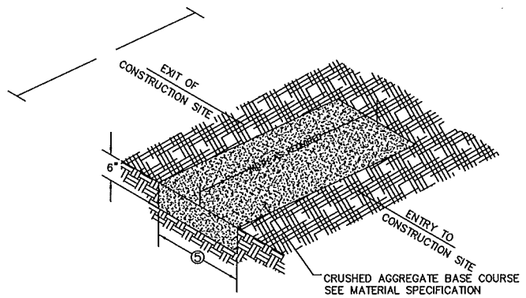


SILT FENCE ALTERNATE "B"

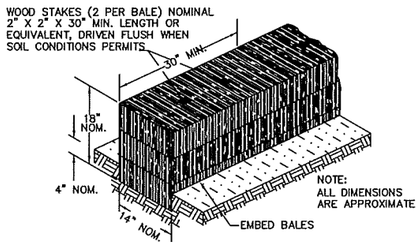


ANCHOR SLOT
AT BEGINNING AND END OF EROSION MAT
(SEED AND SOD)

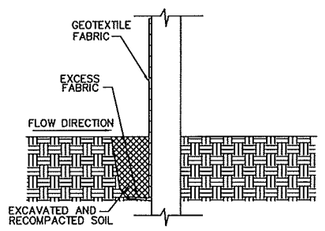
6" MIN. FOR FIRM SOILS
8" MIN. WHERE BOTH SOD AND MATS ARE BEING USED.
12" MIN. FOR LOOSE SOILS



TYPICAL GRAVEL MAT DETAIL



ENTRENCHMENT OF
STRAW BALE FENCE



TRENCH DETAIL

SOIL REINFORCEMENT MATTING

GENERAL NOTES

VARIATIONS IN THE DIMENSIONS OR MATERIALS SHOWN HEREON SHALL BE PERMITTED IF THEY PROVIDE EQUIVALENT PROTECTION AND MATERIAL STRENGTH AND IF PRIOR APPROVAL OF THE ENGINEER IS OBTAINED.

LAP JOINTS SHALL NOT BE PLACED IN THE BOTTOM OF V-SHAPED DITCHES.

JUNCTION SLOTS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET APART.

EDGES OF THE EROSION MAT SHALL BE IMPRESSED IN THE SOIL.

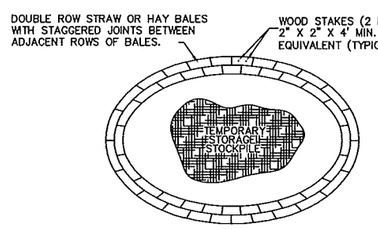
EROSION MAT SHALL BE MEASURED AND PAYED FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

EROSION MAT OVER SOD

A. ONLY JUTE FABRIC WILL BE PERMITTED OVER SOD.
B. WOOD STAKES FOR SOD MAY BE OMITTED BY THE ENGINEER IF THE EXISTING SLOPE AND SOIL CONDITIONS SO WARRANT.
C. THE WIDTH OF THE EROSION MAT SHALL ALWAYS EQUAL THE SOD WIDTH.
D. SOD STRIPS MAY BE PLACED EITHER LONGITUDINALLY OR TRANSVERSELY TO THE FLOW LINE OF THE DITCH.

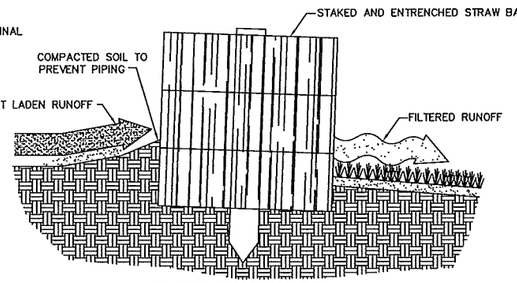
EROSION MAT OVER SEEDING

JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET ON GRADES UP TO AND INCLUDING 3%, AND 50 FEET ON GRADES EXCEEDING 3%.

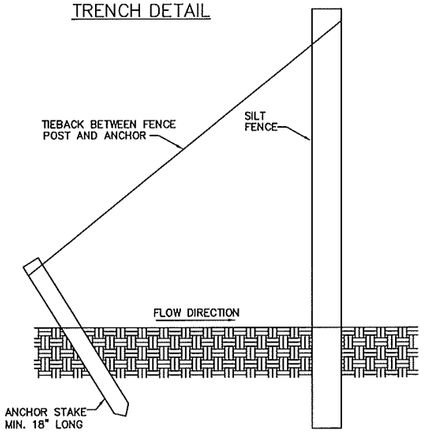


NOTE: MAXIMUM UNSUPPORTED BALE HEIGHT IS TWO LAYERS IN HEIGHT. GREATER BALE HEIGHTS MUST BE REINFORCED WITH EARTH BERM AND DRAIN PIPING.

SEDIMENTATION BASIN DETAIL



CROSS SECTION OF
STRAW BALE INSTALLATION



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

NOTE: NOT TO SCALE

MARATHON TECHNICAL SERVICES LLC
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REVISION DATE
10/30/2017

SURVEYED: HIGGINBOTHAM
DESIGNED: DMV
DRAWN BY: DMV
APPROVED: MT
DRAWING #:1707

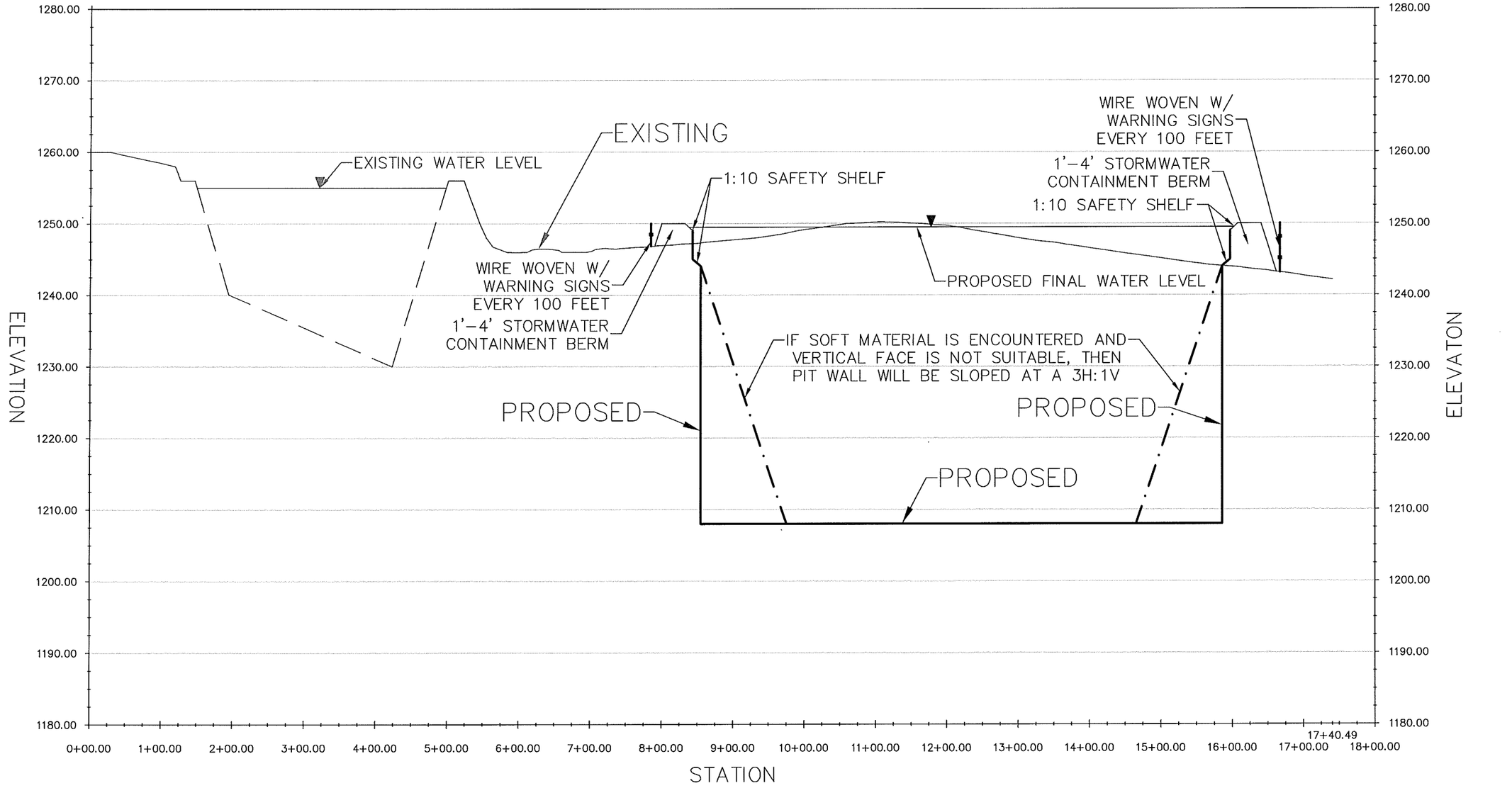
EROSION CONTROL DETAILS

RYAN STREET PIT
VILLAGE OF WESTON, MARATHON CO.

SCALE
1" = 200'

SHEET NO.
6
OF 7 SHEETS

A-A PROFILE
EXISTING AND PROPOSED PROFILE



MARATHON TECHNICAL SERVICES LLC
CONSULTING ENGINEERS
404 FRANKLIN ST - WAUSAU, WI 54403
PHONE & FAX - (715)843-7292
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REVISION DATE
10/30/2017

SURVEYED: HIGGINBOTHAM
DESIGNED: DMV
DRAWN BY: DMV
APPROVED: MT
DRAWING #:1707

PROPOSED PLAN & PROFILE

RYAN STREET PIT
VILLAGE OF WESTON, MARATHON CO.

SCALE
1"=150'

SHEET NO.
7
OF 7 SHEETS

NONMETALLIC MINE RECLAMATION PLAN

ON THE

RYAN STREET QUARRY

VILLAGE OF WESTON

MARATHON COUNTY,

WISCONSIN

Prepared for:

Gary Guerndt
8201 Ryan St
Weston, WI 54476
garyg@pgainc.net

September 12, 2017

Prepared By:

BRIAN CAMLEK
WATER RESOURCE SPECIALIST
RECOGNIZED USACE & WDNR WETLAND CONSULTANT

AND

GARY W. STARZINSKI
LICENSED PROFESSIONAL SOIL SCIENTIST
RECOGNIZED USACE & WDNR WETLAND CONSULTANT

STAR ENVIRONMENTAL, INC.
(715) 443-6115
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starenvironmental@hotmail.com

NONMETALLIC MINE RECLAMATION PLAN
ON THE
RYAN STREET QUARRY

Table of Contents

NONMETALLIC MINE RECLAMATION PLAN
ON THE
RYAN STREET QUARRY

Introduction

The proposed project area is approximately 15.808 acres which currently consists of agricultural Land. Within this project area, the following features are being proposed; 9.367-acre Quarry mined in 4 Phases with a surrounding vegetated earth berm, Staging Area/Topsoil Stockpiling Area, two Screening Berms, a Sediment Basin and access road off of Ryan Street.

Machinery to be used consists of Backhoes, Dump Trucks, Crusher and Screener as needed. The quantity of machinery needed will fluctuate with market trends. Controlled blasting will be required by a qualified party when solid rock is encountered. No material washing or use of flocculants will occur. Dewatering will be required as excavation deepens into groundwater. Fueling will be completed by a portable fuel tank as needed. Normal mining, material processing and trucking operating hours will be 7am to 6pm, Monday through Friday. Occasionally, Saturday hours will be 8am to 1pm. However, some projects (such as DOT night highway work) may require extended hours past 6pm weekdays and 1pm Saturdays for material deliveries. The operator will notify the Village of such projects that require the loading and delivery of processed materials beyond normal operating hours. No archaeological features at, or around the project area were noted.

Mineable Material Description

Upland soils to be excavated include the well drained Mosinee Soil Series. The Mosinee Series consist of loamy deposits over bedrock. The bedrock is comprised of weathered granite, or Gruss and Solid Rock. Per owner, the site has approximately 10 to 12 inches of loamy topsoil, then 4 to 5 feet of overburden above the mineable material. Mineable material extends to the Quarry bottom, approximately 40 feet below existing grade and will be used for local construction projects as needed.

Site Hydrology

Surface water currently flows to the north and east. Prior to excavation a vegetated earth berm will be constructed around the project area with onsite topsoil to keep this site's stormwater internally drained.

Wetlands were Delineated by Star Environmental, Inc. on October 27, 2016, see Attachment 1. Silt fence will be installed downslope of disturbed areas and upslope of wetlands prior to earthwork.

Per the Surface Water Data Viewer, there are no navigable waterways within 500 feet of the proposed excavation. No Floodplain is present.

Groundwater in this area is driven by bedrock seeps and is estimated to range from 1250 to 1232. This estimate is based on the adjacent wetland system elevations which range between 1250,

starting at the existing pond, and slopes east at approximately 2 percent slope until flattening out at elevation 1232. Based on the attached cross section, Mark Thompson, P.E., Marathon Technical Services, is estimating surface water of the reclaimed quarry to be approximately 1247.5.

Adjacent Biological Resources

The area to be mined consists of upland agricultural land. Area to the west is agricultural land then Ryan Street. A yard waste disposal facility to service the Village of Weston is present on the west side of Ryan Street. Areas to the north and east consists of agricultural and woodland. Area to the south consists of agricultural land then residential.

Mining Process

Access to the Quarry will be an access road off of Ryan Street. Prior to earthwork a Track Pad will be installed at the end of the access road, nearest to Ryan Street. Mining will start in Fall of 2017 and will be completed in 4 Phase, each phase is anticipated to last approximately 6 years, totaling 24 years of mining. Before earth moving begins, silt fence will be installed downslope of areas to be disturbed as shown on the attached "Proposed Erosion Control Plan". The surface 10 to 12 inches of topsoil will be stripped and stockpiled in temporary vegetated earth berms around the project area to keep stormwater internally drained. Additional topsoil and subsoil will be used to construct two berms on the southwest part of the Quarry project area for screening from Ryan Street. All berms will be immediately seeded and mulched as needed.

All stockpiled material will be confined within the internally drained project area until moved offsite.

As mining progresses, excess water will be pumped to the adjacent Sediment Basin. Water will overflow through the stone weeping outlet and dissipate into the surrounding upland landscape.

After mining is complete in a given Phase, it will be reclaimed with 3:1 or flatter sideslopes to a minimum depth of 6 feet below the estimated final water elevation. The earth berms will be used to topsoil the slopes at a minimum of 6 inches, then seeded and mulched as needed.

If hard rock is encountered to make 3:1 sideslopes not possible, a vertical wall, safety shelf and fence with warning signs will be installed for reclamation.

Spill Preventions

Vehicles will be fueled with a portable fuel tank on a level surface. If a minor spill does occur, consisting of less than 5 gallons of Diesel Fuel, it will be contained with absorbent pads, booms, socks or rolls and cleaned with Teal-Sorb or Oil-Dri. Spills over 5 gallons will be immediately

contained with boom, socks or rolls and the spill reported to the 24-Hour Toll-Free Spill Emergency Hotline, 1-800-943-0003. All materials needed to respond to a spill, Oil-Dri, absorbent pads, etc., shall be kept onsite at all times in a storage container.

Any material used for spill cleanup will be stored in a DNR approved container and recycled at a DNR approved recycling facility.

Site Specific Safety Measures

A temporary vegetated earth berm, will be constructed around the Project Area. Typical dimensions of the Berms are approximately 1 to 4 feet tall with 3:1 or flatter sideslopes.

For areas utilizing vertical walls for reclamation, a 10 foot safety ledge will be constructed between the vegetative earth berm and excavated area. The ledge will begin at the inner edge of the vegetative earth berm and extend inward 10 feet, drop vertically 4 feet, then extend horizontally 10 feet inward. These areas will have a fence installed with Warning Signs at a minimum every 100 feet.

If 3:1 sideslopes are utilized, vegetated earths berms will be utilized to topsoil a minimum of 6 inches in depth the reshaped 3:1 or flatter sideslopes to estimated final water elevation, then seeded and mulched as needed. Reshaped sideslopes will extend a minimum of 6 feet below the estimated final water elevation.

The access road will remain and have a minimum slope of 8:1 the Pit Bottom.

Conservation Practices

The earth berms will prevent stormwater from leaving or entering the site, keeping the site internally drained. Pumping will occur when excavating below groundwater and discharge to a Sediment Basin, then overflow through the stone weeping outlet and dissipate into the adjacent uplands. When Pumping begins, samples will be collected at the time of pumping by a designated party of Mr. Gary Guerndt and analyzed for pH, total suspended solids, oil and grease residue as needed to verify clean water quality is being maintained.

Post Mining Use

The resulting Ponds will be used for wildlife and recreational for Mr. Guerndt's personal use.

Manmade Features

Manmade features planned for this site are the resulting pond and settling pond. Areas that utilize vertical walls will have a fence with Warning Signs. No other structures or other features are planned at this time.

Final Reclamation

The site will be considered reclaimed when a minimum 70% vegetative cover is established. A minimum of 5-1.0 square meter quadrats will be evaluated and verified by Marathon County Zoning to confirm this standard has been met. Areas with vertical walls will not be considered reclaimed until the associated safety shelf and fence with warning signs has been constructed. Final reclamation will begin immediately after excavation of each Phase is completed.

ATTACHMENT 1

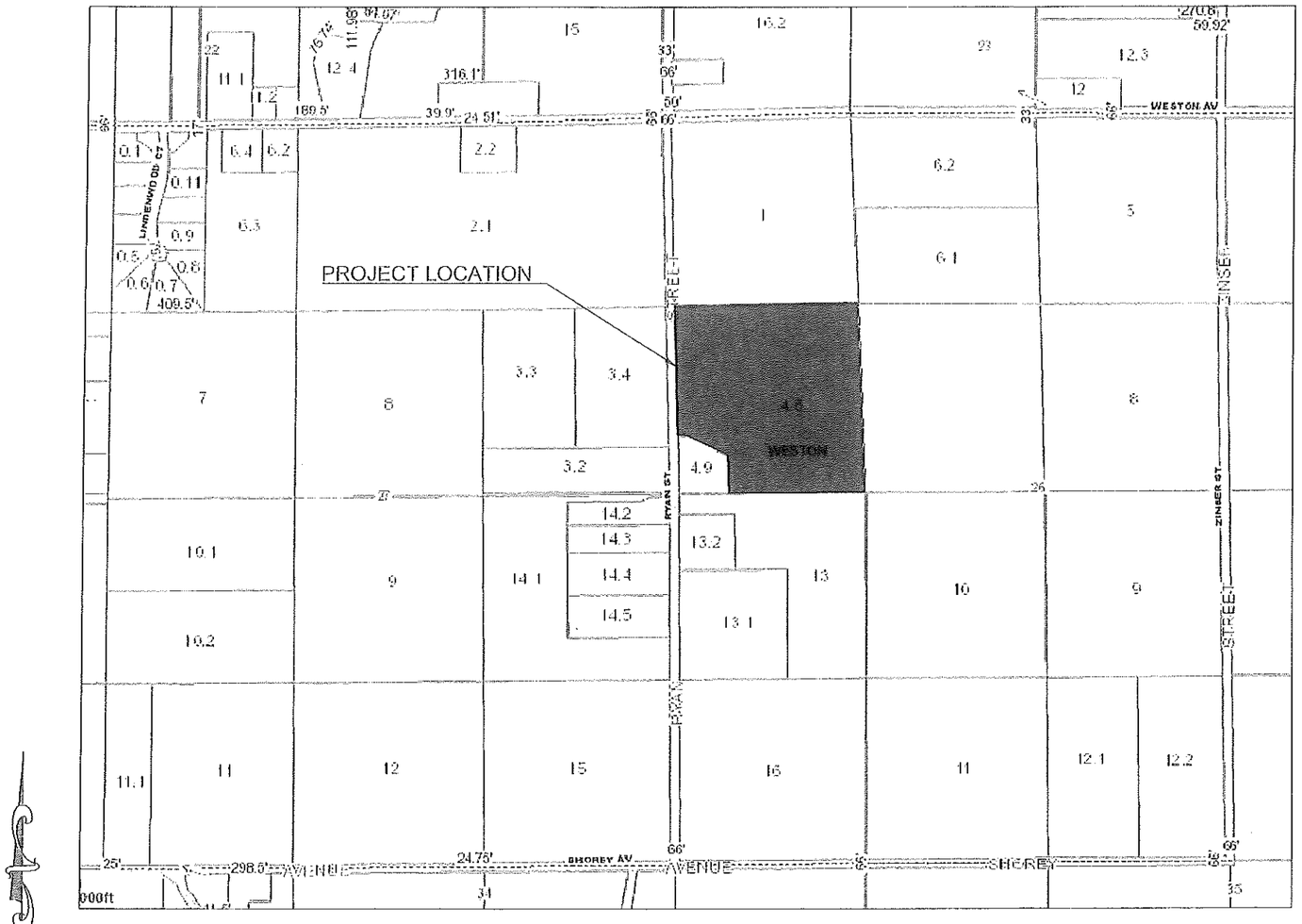
PROJECT SITE MAPS

Location Map
Soil Maps
Soil Legend
NRCS Soil Profile Description
Surface Water and Wetland Map
Marathon County Contour Map
Existing Site Plan
Proposed Mining Operation
Proposed Reclamation Plan
Proposed Erosion Control Plan
Erosion Control Details
NMM Cross Sections
Star Environmental, Inc. Wetland Delineation Map

CIVIL PLANS FOR

PGA, INC.

8201 RYAN STREET, WESTON, WI 54476. PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 26, TOWNSHIP 28 NORTH, RANGE 8 EAST, VILLAGE OF WESTON, MARATHON COUNTY, WISCONSIN



LOCATION MAP

SHEET 2	EXISTING CONDITIONS
SHEET 3	PROPOSED MINING OPERATION
SHEET 4	PROPOSED RECLAMATION PLAN
SHEET 5	PROPOSED EROSION CONTROL PLAN
SHEET 6	EROSION CONTROL DETAILS
SHEET 7	PLAN & PROFILE PLAN

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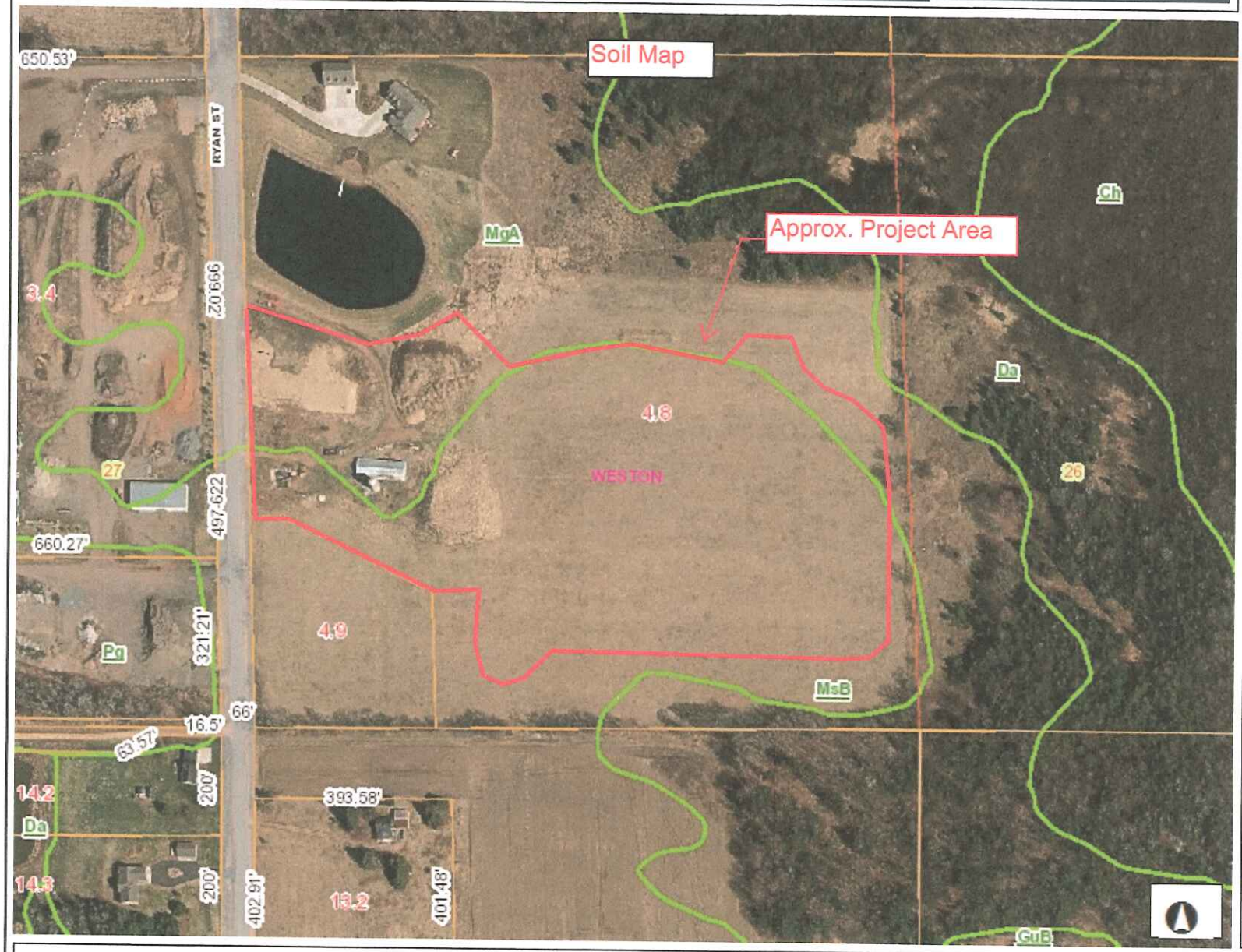
COVER SHEET

RYAN STREET PIT
VILLAGE OF WESTON, MARATHON CO.

SCALE: NTS

SHEET NO.: 1 OF 7 SHEETS

Land Information Mapping System



Legend

- Parcel Annotations
- Parcels
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- Right Of Ways
- Municipalities
- NRCS Soils
- 2015 Orthos
  - Red: Band_1
  - Green: Band_2
  - Blue: Band_3

144.99 0 144.99 Feet

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Notes

Map symbol	Soil name	Acres	Percent
AbB	Alban loam, 1 to 6 percent slopes	1,583	0.2
Ad	Altdorf mucky silt loam, 0 to 2 percent slopes	470	*
AmC	Amery silt loam, 5 to 15 percent slopes	809	0.1
CbA	Cable silt loam, 0 to 3 percent slopes, stony	15,065	1.5
Ch	Cathro muck, 0 to 1 percent slopes	25,574	2.5
CkA	Chetek sandy loam, 0 to 2 percent slopes	2,279	0.2
CkB	Chetek sandy loam, 2 to 6 percent slopes	7,219	0.7
CkC	Chetek sandy loam, 6 to 15 percent slopes	4,725	0.5
CkE	Chetek sandy loam, 15 to 30 percent slopes	3,004	0.3
Da	Dancy sandy loam, 0 to 2 percent slopes	11,889	1.2
DoA	Dolph silt loam, 0 to 3 percent slopes	912	0.1
DuB	Dunnville fine sandy loam, 1 to 4 percent slopes	2,981	0.3
FeC	Fenwood silt loam, 6 to 12 percent slopes	19,193	1.9
FeD	Fenwood silt loam, 12 to 20 percent slopes	2,413	0.2
FfC	Fenwood silt loam, 2 to 15 percent slopes, stony	8,820	0.9
FfE	Fenwood silt loam, 15 to 30 percent slopes, stony	2,749	0.3
FgB	Fenwood-Rozellville silt loams, 2 to 6 percent slopes	81,745	8.1
Fh	Fordum silt loam, 0 to 1 percent slopes	21,078	2.1
FnB	Freeon silt loam, 2 to 6 percent slopes	32,777	3.2
FnC	Freeon silt loam, 6 to 12 percent slopes	3,941	0.4
GcB	Graycalm loamy sand, 2 to 6 percent slopes	2,206	0.2
Gm	Graycalm loamy sand, moderately well drained, 0 to 2 percent slopes	1,914	0.2
Gr	Greenwood peat, 0 to 1 percent slopes	5,647	0.6
GuB	Guenther loamy sand, 2 to 6 percent slopes	3,722	0.4
HtB	Hatley silt loam, 1 to 6 percent slopes	1,199	0.1
HyB	Hatley cobbly silt loam, 1 to 6 percent slopes, bouldery	9,507	0.9
KaB	Kennan sandy loam, 2 to 8 percent slopes	5,510	0.5
KaC	Kennan sandy loam, 8 to 15 percent slopes	6,392	0.6
KaD2	Kennan sandy loam, 15 to 30 percent slopes, eroded	1,288	0.1
KeB	Kennan sandy loam, 2 to 8 percent slopes, bouldery	10,710	1.1
KeC	Kennan sandy loam, 8 to 15 percent slopes, bouldery	23,247	2.3
KeE	Kennan sandy loam, 15 to 30 percent slopes, bouldery	8,428	0.8
LDF	Landfill	127	*
LoB	Loyal silt loam, 1 to 6 percent slopes	84,451	8.4
LoC	Loyal silt loam, 6 to 12 percent slopes	1,132	0.1
MaB	Magnor silt loam, 0 to 4 percent slopes	36,667	3.6
MbB	Mahtomedi loamy sand, 0 to 6 percent slopes	23,789	2.4
MbC	Mahtomedi loamy sand, 6 to 15 percent slopes	2,064	0.2
MbE	Mahtomedi loamy sand, 15 to 45 percent slopes	2,258	0.2
McA	Mahtomedi loamy sand, moderately well drained, 0 to 3 percent slopes	10,259	1.0
MdB	Marathon silt loam, 2 to 6 percent slopes	15,003	1.5
MdC	Marathon silt loam, 6 to 12 percent slopes	2,269	0.2
MeC	Marathon silt loam, 2 to 15 percent slopes, stony	4,556	0.5
MfA	Marshfield silt loam, 0 to 3 percent slopes	40,440	4.0
MgA	Meadland loam, 0 to 3 percent slopes	24,241	2.4
MhA	Meadland loam, 0 to 3 percent slopes, stony	26,174	2.6
Mm	Meehan loamy sand, 0 to 2 percent slopes	5,426	0.5
Mn	Minocqua sandy loam, 0 to 2 percent slopes	6,652	0.7
MoB	Moberg gravelly silt loam, 2 to 6 percent slopes	2,654	0.3
MoC	Moberg gravelly silt loam, 6 to 15 percent slopes	3,802	0.4
MsB	Mosinee sandy loam, 2 to 6 percent slopes	19,030	1.9
MsC	Mosinee sandy loam, 6 to 12 percent slopes	3,065	0.3
MsD	Mosinee sandy loam, 12 to 20 percent slopes	829	0.1
MtC	Mosinee sandy loam, 2 to 15 percent slopes, stony	11,832	1.2
MyB	Mylrea silt loam, 1 to 6 percent slopes	11,220	1.1
MzB	Mylrea silt loam, 1 to 6 percent slopes, stony	9,901	1.0
Ne	Newson mucky loamy sand, 0 to 1 percent slopes	4,674	0.5
Oe	Oesterle loam, 0 to 2 percent slopes	11,057	1.1
Pg	Pits, gravel	3,404	0.3
Ph	Pits, quarries	249	*
Po	Plover sandy loam, 0 to 2 percent slopes	2,309	0.2

MOSINEE SERIES

The Mosinee series consists of well drained soils that are deep to a lithic contact with fractured igneous or metamorphic bedrock. These soils formed in thin loamy deposits and in residuum from the underlying bedrock on uplands. Permeability is moderate. Slopes range from 2 to 20 percent. Mean annual precipitation is about 32 inches.Mean annual air temperature is about 43 degrees F.

TAXONOMIC CLASS: Loamy-skeletal, mixed, superactive, frigid Typic Dystrudepts

TYPICAL PEDON: Mosinee sandy loam, on a southwest-facing slope of 3 percent in a cornfield at an elevation of about 1,205 feet. (Colors are for moist soil unless otherwise stated.)

Ap--0 to 7 inches; dark brown (10YR 3/3) sandy loam, pale brown (10YR 6/3) dry; some dark yellowish brown (10YR 4/4) areas scattered throughout the horizon; moderate very fine subangular blocky structure; friable; few fine roots; about 12 percent angular gravel and about 1 percent angular cobbles; very strongly acid; abrupt smooth boundary. (6 to 9 inches thick)

Bw1--7 to 14 inches; dark yellowish brown (10YR 4/4) gravelly sandy loam; moderate fine subangular blocky structure; friable; few fine roots; about 25 angular gravel and about 1 percent angular cobbles; very strongly acid; clear wavy boundary. (5 to 8 inches thick)

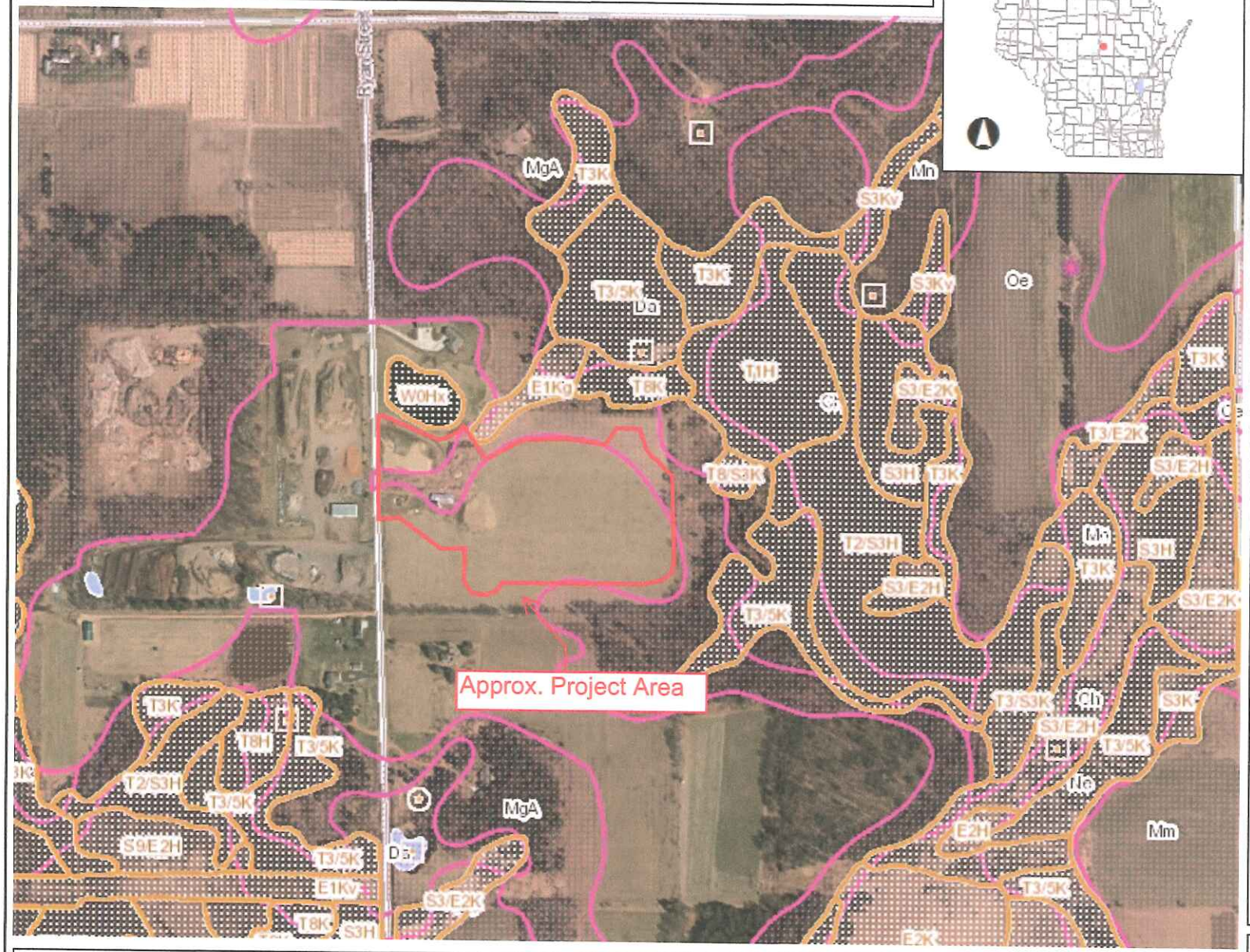
Bw2--14 to 19 inches; yellowish brown (10YR 5/4) very gravelly sandy loam; moderate fine subangular blocky structure; friable; few fine roots; about 33 percent angular gravel and about 2 percent angular cobbles; strongly acid; clear wavy boundary. (4 to 8 inches thick)

Bw3--19 to 30 inches; yellowish brown (10YR 5/4) very gravelly sandy loam; moderate fine and very fine subangular blocky structure; friable; few brown (7.5YR 4/4) clay coatings weathered in place on pebble and cobble surfaces; few fine roots; about 50 percent angular gravel and about 5 percent angular cobbles; strongly acid; gradual wavy boundary. (5 to 15 inches thick)

Bw4--30 to 42 inches; yellowish brown (10YR 5/4) extremely gravelly sandy loam; weak very fine subangular blocky structure; few brown (7.5YR 4/4) clay coatings weathered in place on pebble and cobble surfaces; about 75 percent angular gravel and about 10 percent angular cobbles; moderately acid; abrupt irregular boundary. (0 to 15 inches thick)

R--42 inches; fine-grained igneous and metamorphic rock, fractured in place.

WDNR Surface Water and Wetland Map



Legend

- 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
- Wetland Indicators
- Municipality
- State Boundaries
- County Boundaries
- Major Roads
  - Interstate Highway
  - State Highway
  - US Highway
- County and Local Roads
  - County HWY
  - Local Road
- Railroads
- Tribal Lands
- Rivers and Streams
- Intermittent Streams
- Lakes and Open water
- Index to EN_Image_Basemap_Leaf_Off

Notes

0.3 0 0.13 0.3 Miles

NAD_1983_HARN_Wisconsin_TM

1: 7,920

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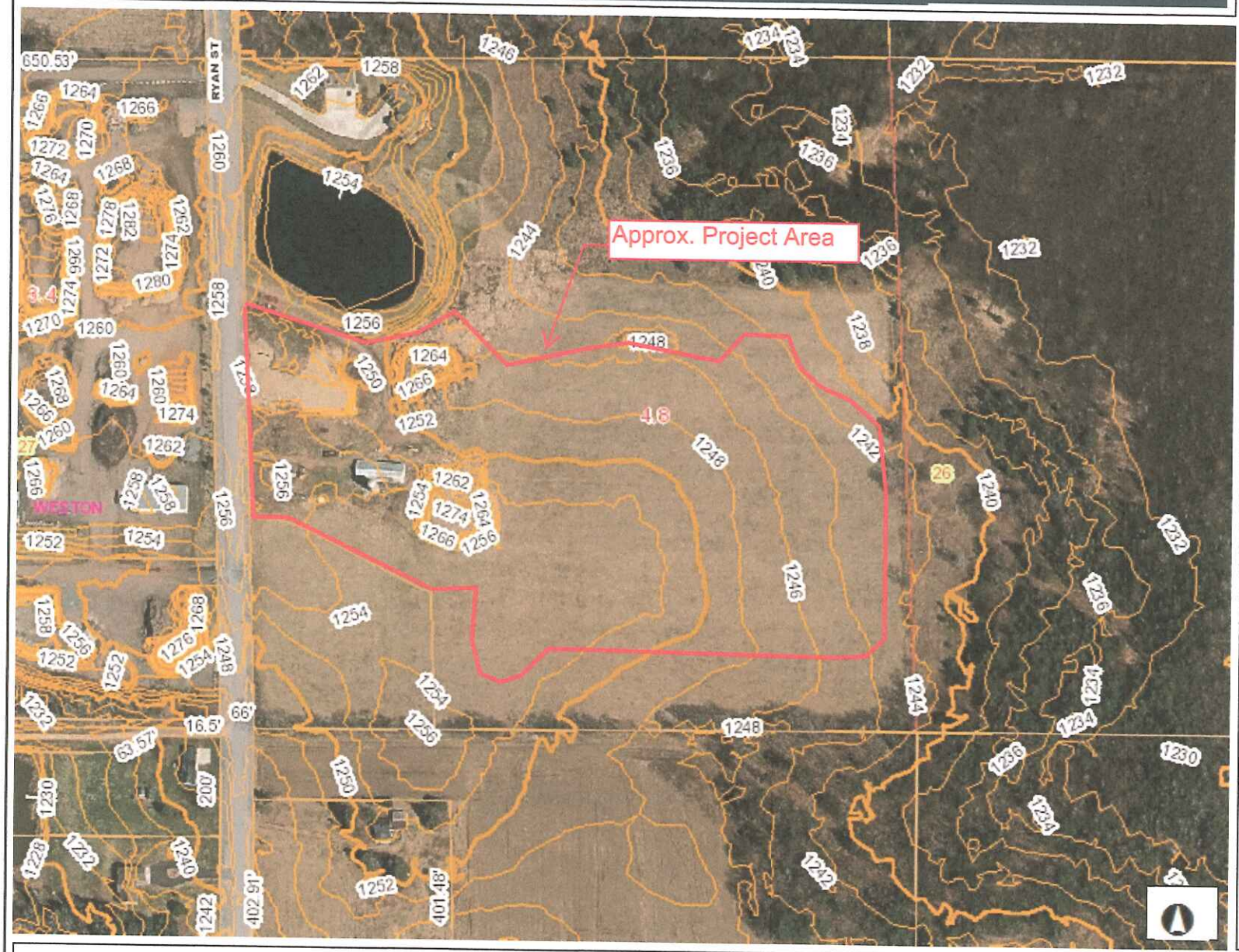

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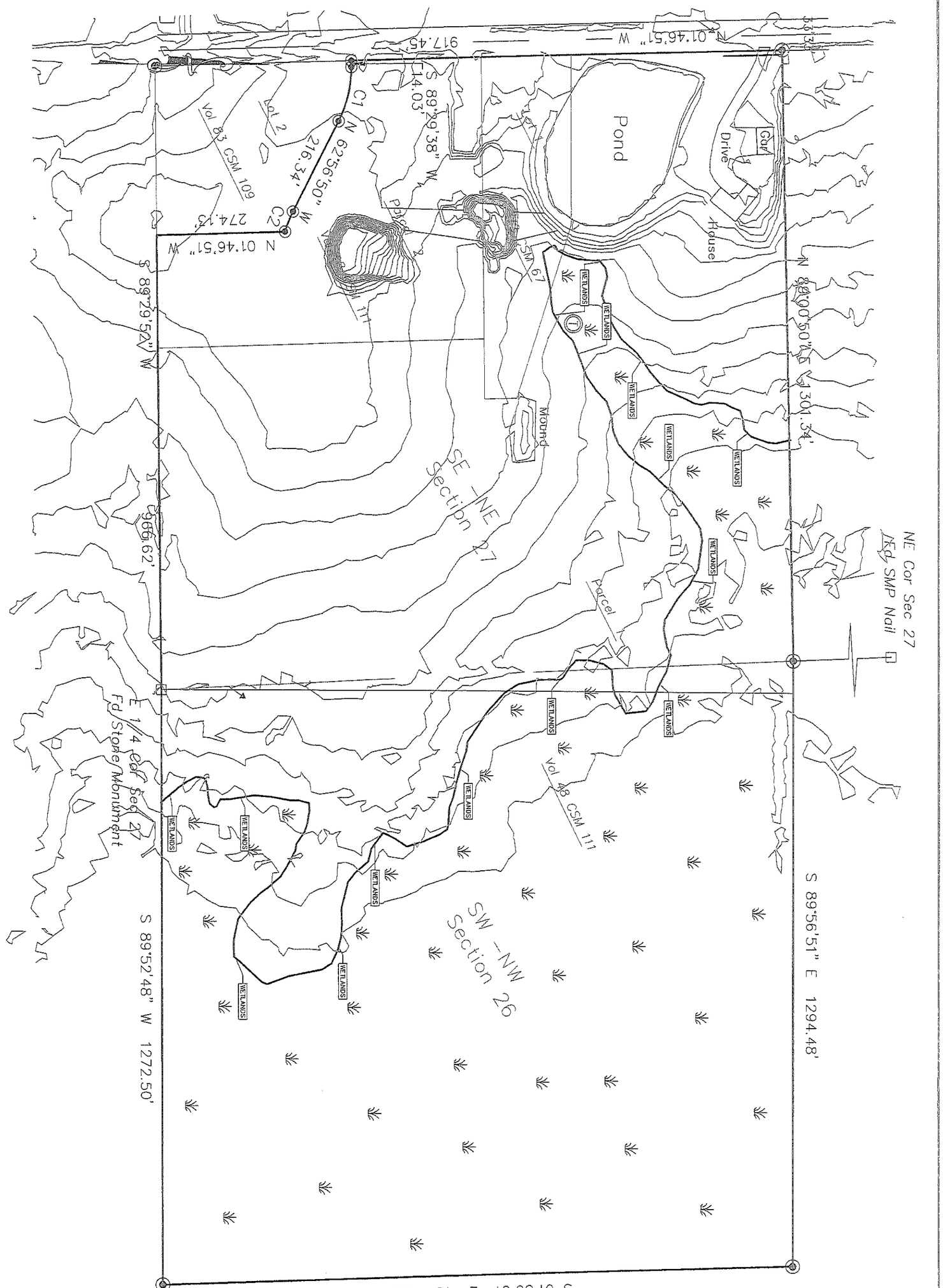
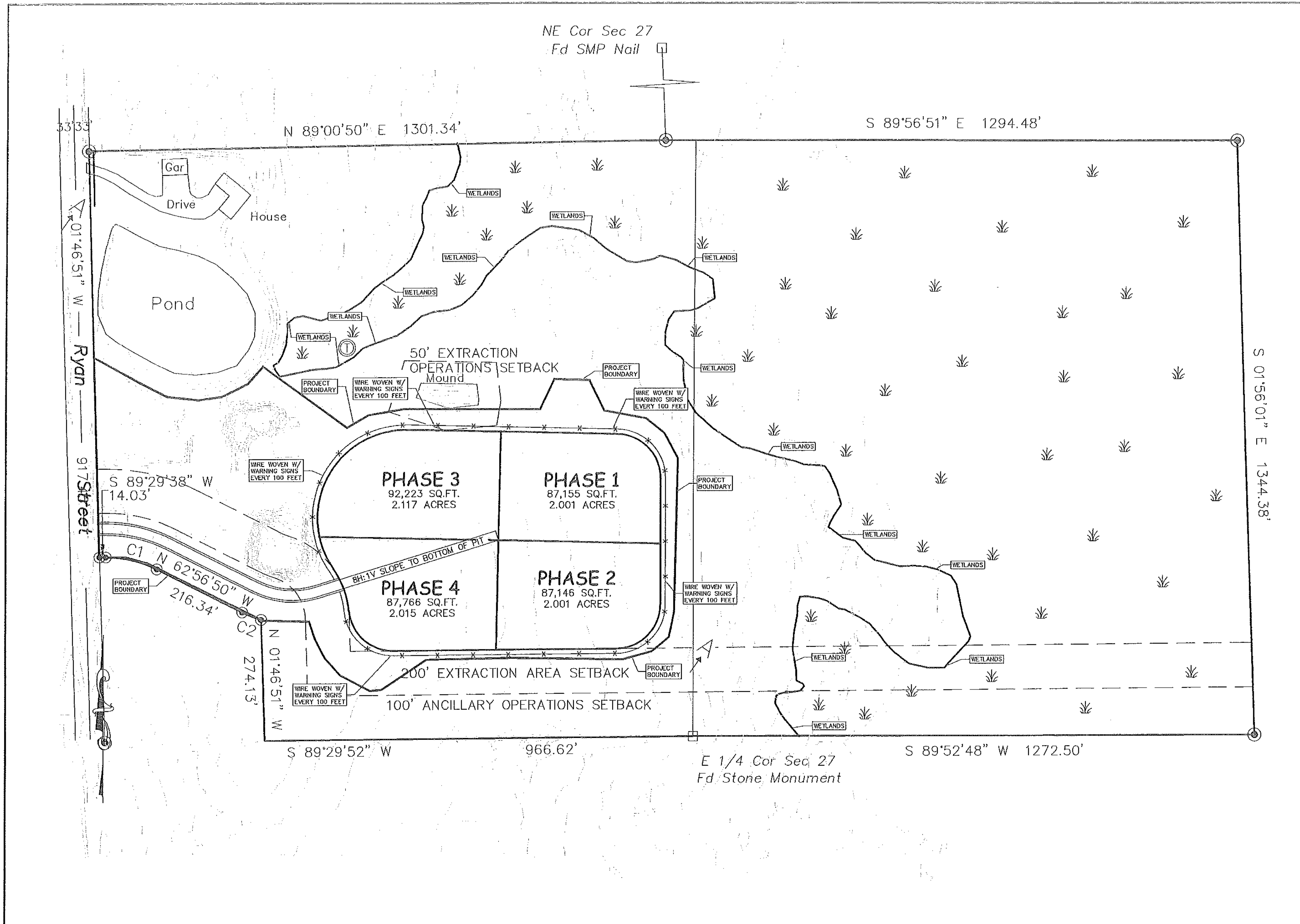


SHEET NO. 2 OF 7 SHEETS	SCALE 1" = 200'	EXISTING SITE PLAN RYAN STREET PIT VILLAGE OF WESTON, MARATHON CO.	SURVEYED: HIGGINBOTHAM DESIGNED: DMV DRAWN BY: DMV APPROVED: MT DRAWING #:1707	REVISION DATE	MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 404 FRANKLIN ST - WAUSAU, WI 54403 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET



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PROPOSED MINING OPERATION

RYAN STREET PIT
VILLAGE OF WESTON, MARATHON CO.

SCALE
1" = 200'

SHEET NO.
3
OF 7 SHEETS

NE Cor Sec 27
Fd SMP Nail

N 89°00'50" E 1301.34'

S 89°56'51" E 1294.48'

S 01°56'01" E 1344.38'

S 89°52'48" W 1272.50'

E 1/4 Cor Sec 27
Fd Stone Monument

S 89°29'52" W 966.62'

N 01°46'51" W 1333'

S 89°29'38" W 14.03'

N 62°56'50" W 216'

N 01°46'51" W 274.13'

Gar

Drive

House

Pond

Ryan Street

WETLANDS

20'x30' SEDIMENT BASIN

50' EXTRACTION OPERATIONS SETBACK

Mound

STAGING AREA/ TOPSOIL STOCKPILE

STORMWATER CONTAINMENT BERM 1'-4' TALL 3H:1V SIDE SLOPE MAX.

STONE WEEPING OUTLET

MEDIUM RIP RAP EMERGENCY OVERFLOW

EXCAVATION AREA
10.25 ACRES
30 TO 40 FEET DEEP

3H:1V SLOPE TO BOTTOM OF PIT

SCREEN BERM TOPSOIL & OVERBURDEN

200' EXTRACTION AREA SETBACK

100' ANCILLARY OPERATIONS SETBACK

C1

C2

MARATHON TECHNICAL SERVICES LLC
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PROPOSED RECLAMATION PLAN

RYAN STREET PIT
VILLAGE OF WESTON, MARATHON CO.

SCALE
1" = 200'

SHEET NO.
4
OF 7 SHEETS

PROPOSED EROSION CONTROL AND CONSTRUCTION SCHEDULE

*WEEKLY EROSION CONTROL LOGS ARE THE RESPONSIBILITY OF THE CONTRACTOR. INSPECT EROSION CONTROL PRACTICES WEEKLY AND AFTER RAINFALL EVENTS. MAKE ANY REPAIRS IMMEDIATELY.
-MARK THE WORK LIMITS AND AREAS TO REMAIN UNDISTURBED.
-INSTALL TEMPORARY TRACKING PADS WHERE SHOWN FOR CONSTRUCTION ENTRANCE AND EXIT.
-STRIP TOPSOIL AND USE TO CONSTRUCT BERM IN LOCATION APPROVED BY ENGINEER AND OWNER.
-INSTALL SILT FENCE AROUND THE PERIMETER OF TOPSOIL STOCKPILE. SEED WITH ANNUAL RYE AFTER COMPLETION OF STOCKPILING OR IF LEFT UNDISTURBED FOR MORE THAN 14 DAYS.
-INSTALL UNDERGROUND UTILITIES.
-ROUGH GRADE SITE AND PROPOSED BASIN.
-STABILIZE DRIVEWAY WITH CRUSHED AGGREGATE BASE COURSE.
-INSTALL RIPRAP WHERE SHOWN.
-REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SITE IS STABILIZED.
-REMOVE EXCESS MATERIALS OFFSITE.
-INSTALL ALL EROSION CONTROL MEASURES IN ACCORDANCE WITH WDNR CONSERVATION PRACTICE STANDARDS.

NE Cor Sec 27
Fd SMP Nail

N 89°00'50" E 1301.34'

S 89°56'51" E

S 01°56'01" E 1344.38'

33'

Gar

Drive

House

Pond

N 01°46'51" W — Ryan Street

WETLANDS

20'x30' SEDIMENT BASIN

50' EXTRACTION OPERATIONS SETBACK

Mound

STONE WEEPING OUTLET

1242

MEDIUM RIP RAP EMERGENCY OVERFLOW

STAGING AREA/ TOPSOIL STOCKPILE

S 89°29'38" W 14.03'

TRACKING PAD

EXCAVATION AREA
10.25 ACRES
30 TO 40 FEET DEEP

3H:1V SLOPE TO BOTTOM OF PIT

C1 N 62°56'50" W 216'

C2 N 01°46'51" W 274.13'

EROSION CONTROL MAT

SILT FENCE

200' EXTRACTION AREA SETBACK

100' ANCILLARY OPERATIONS SETBACK

S 89°29'52" W 966.62'

E 1/4 Cor Sec 27
Fd Stone Monument

S 89°52'48" W 1272.50'

MARATHON TECHNICAL SERVICES LLC
CONSULTING ENGINEERS
404 FRANKLIN ST - WAUSAU, WI 54403
PHONE & FAX - (715)843-7292
WWW.MTSLLC.NET

REVISION DATE

SURVEYED: HIGGINBOTHAM
DESIGNED: DMV
DRAWN BY: DMV
APPROVED: MT
DRAWING #: 707

PROPOSED EROSION CONTROL PLAN

RYAN STREET PIT
VILLAGE OF WESTON, MARATHON CO.

SCALE
1" = 200'

SHEET NO.
5
OF 7 SHEETS

GENERAL NOTES:

DETAIL OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

WHEN POSSIBLE THE SILT FENCE SHOULD BE CONSTRUCTED IN AN ARC OR HORSESHOE SHAPE, WITH THE ENDS POINTING UPSLOPE TO MAXIMIZE BOTH STRENGTH AND EFFECTIVENESS.

ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOIL CONDITIONS.

ALTERNATES "A" & "B" ARE EQUAL AND EITHER MAY BE USED.

ATTACH THE FABRIC TO THE POSTS WITH WIRE STAPLES OR WOODEN LATH AND NAILS.

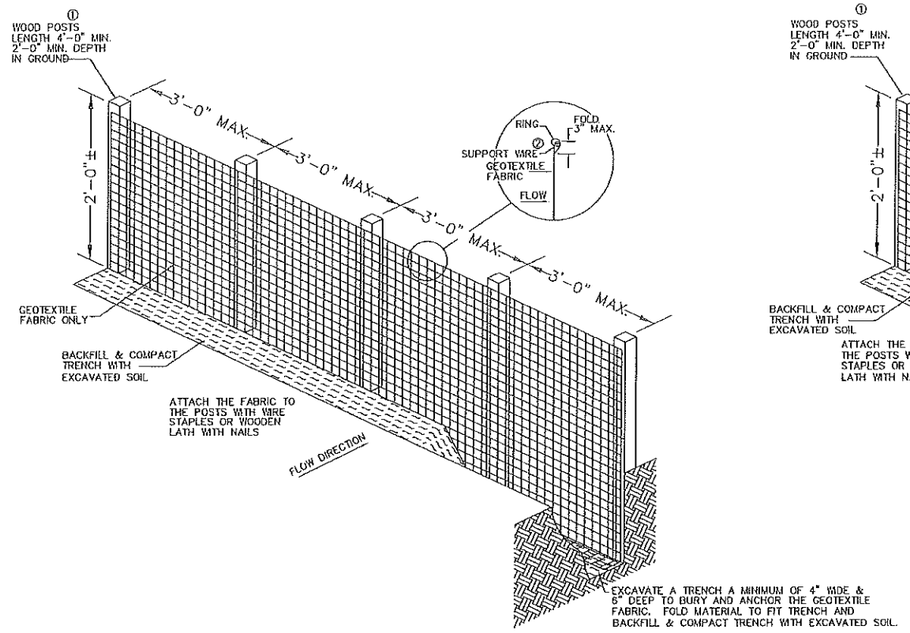
① STEEL POSTS SHALL BE A STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.28 LBS/LINEAL FOOT (WITHOUT ANCHOR). FIN ANCHORS SUFFICIENT TO RESIST POST MOVEMENT ARE REQUIRED. WOOD POSTS SHALL BE A MINIMUM SIZE OF 4" DIA. OR 1 1/2" X 3 1/2" EXCEPT WOOD POSTS FOR GEOTEXTILE FABRIC REINFORCED WITH NETTING SHALL BE MINIMUM SIZE OF 1 1/8" X 1 1/8" OAK OR HICKORY.

② MINIMUM 14 GAGE WIRE REQUIRED, FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR PLACE WIRE RINGS ON 12" C-C.

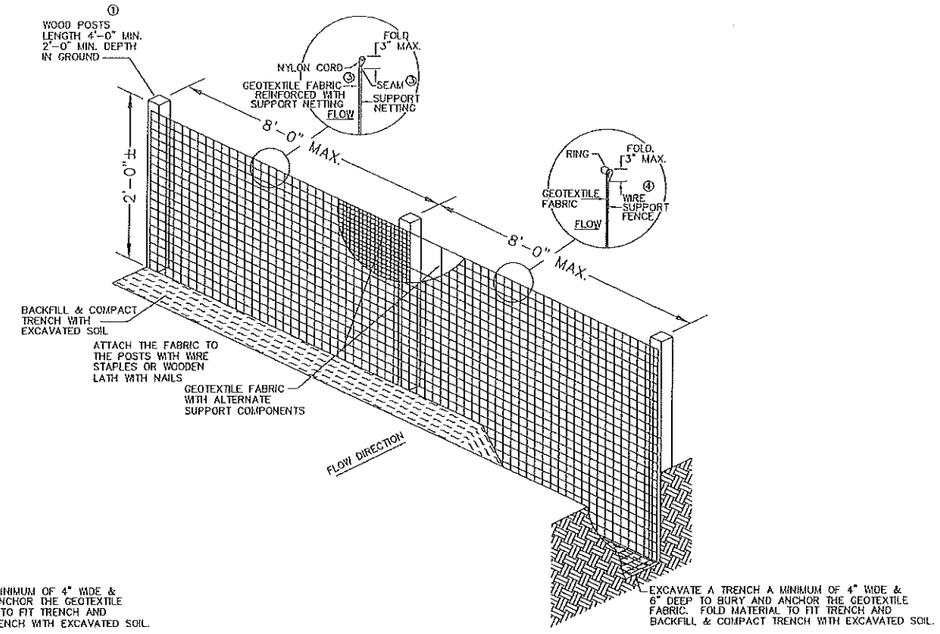
③ GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLYPROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 3/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED.

④ WIRE SUPPORT FENCE SHALL BE 14 GAGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C-C.

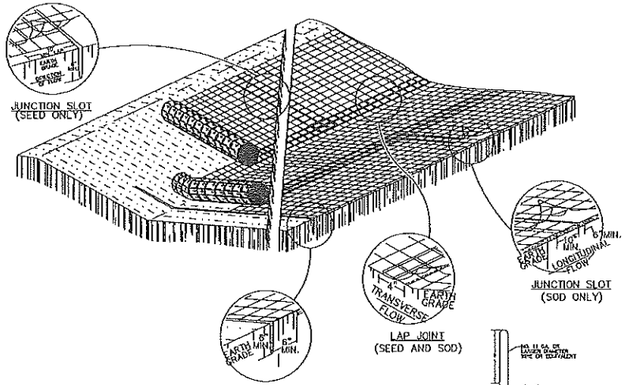
⑤ LENGTH NOT LESS THAN THE CIRCUMFERENCE OF THE LARGEST TIRE ON THE CONSTRUCTION EQUIPMENT, PLUS 5 FEET.



SILT FENCE ALTERNATE "A"



SILT FENCE ALTERNATE "B"



6" MIN. FOR FIRM SOILS
8" MIN. WHERE BOTH SOD AND MATS ARE BEING USED.
12" MIN. FOR LOOSE SOILS

SOIL REINFORCEMENT MATTING

GENERAL NOTES

VARIATIONS IN THE DIMENSIONS OR MATERIALS SHOWN HEREON SHALL BE PERMITTED IF THEY PROVIDE EQUIVALENT PROTECTION AND MATERIAL STRENGTH AND IF PRIOR APPROVAL OF THE ENGINEER IS OBTAINED.

LAP JOINTS SHALL NOT BE PLACED IN THE BOTTOM OF V-SHAPED DITCHES.

JUNCTION SLOTS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET APART.

EDGES OF THE EROSION MAT SHALL BE IMPRESSED IN THE SOIL.

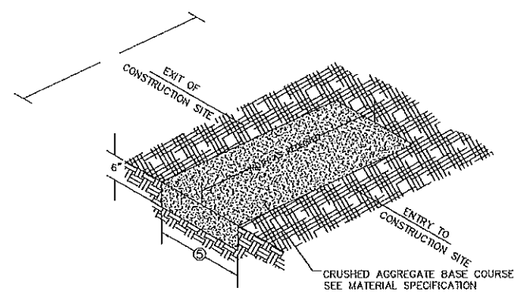
EROSION MAT SHALL BE MEASURED AND PAYED FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

EROSION MAT OVER SOD

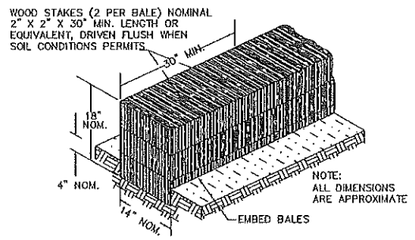
A. ONLY JUTE FABRIC WILL BE PERMITTED OVER SOD.
B. WOOD STAKES FOR SOD MAY BE OMITTED BY THE ENGINEER IF THE EXISTING SLOPE AND SOIL CONDITIONS SO WARRANT.
C. THE WIDTH OF THE EROSION MAT SHALL ALWAYS EQUAL THE SOD WIDTH.
D. SOD STRIPS MAY BE PLACED EITHER LONGITUDINALLY OR TRANSVERSELY TO THE FLOW LINE OF THE DITCH.

EROSION MAT OVER SEEDING

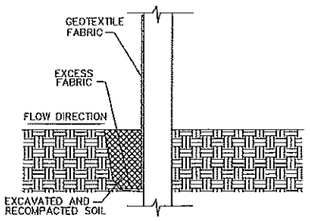
JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET ON GRADES UP TO AND INCLUDING 3%, AND 50 FEET ON GRADES EXCEEDING 3%.



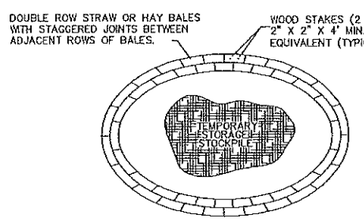
TYPICAL GRAVEL MAT DETAIL



ENTRENCHMENT OF STRAW BALE FENCE

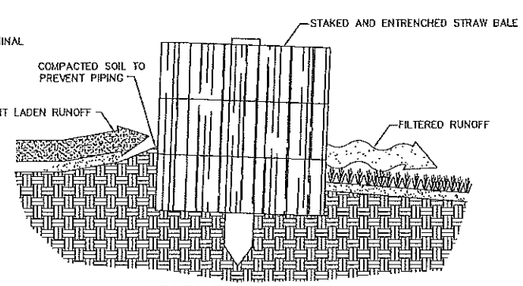


TRENCH DETAIL

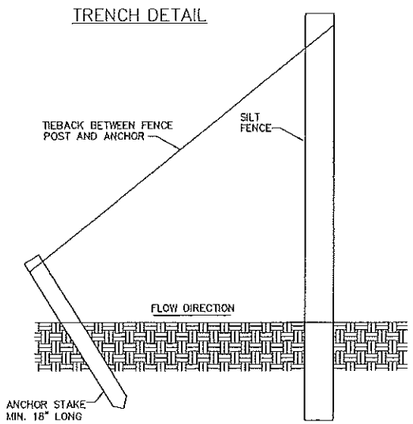


NOTE: MAXIMUM UNSUPPORTED BALE HEIGHT IS TWO LAYERS IN HEIGHT. GREATER BALE HEIGHTS MUST BE REINFORCED WITH EARTH BERM AND DRAIN PIPING.

SEDIMENTATION BASIN DETAIL



CROSS SECTION OF STRAW BALE INSTALLATION



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

NOTE: NOT TO SCALE

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REVISION DATE

SURVEYED: HIGGINBOTHAM
DESIGNED: DMV
DRAWN BY: DMV
APPROVED: MT
DRAWING #:1707

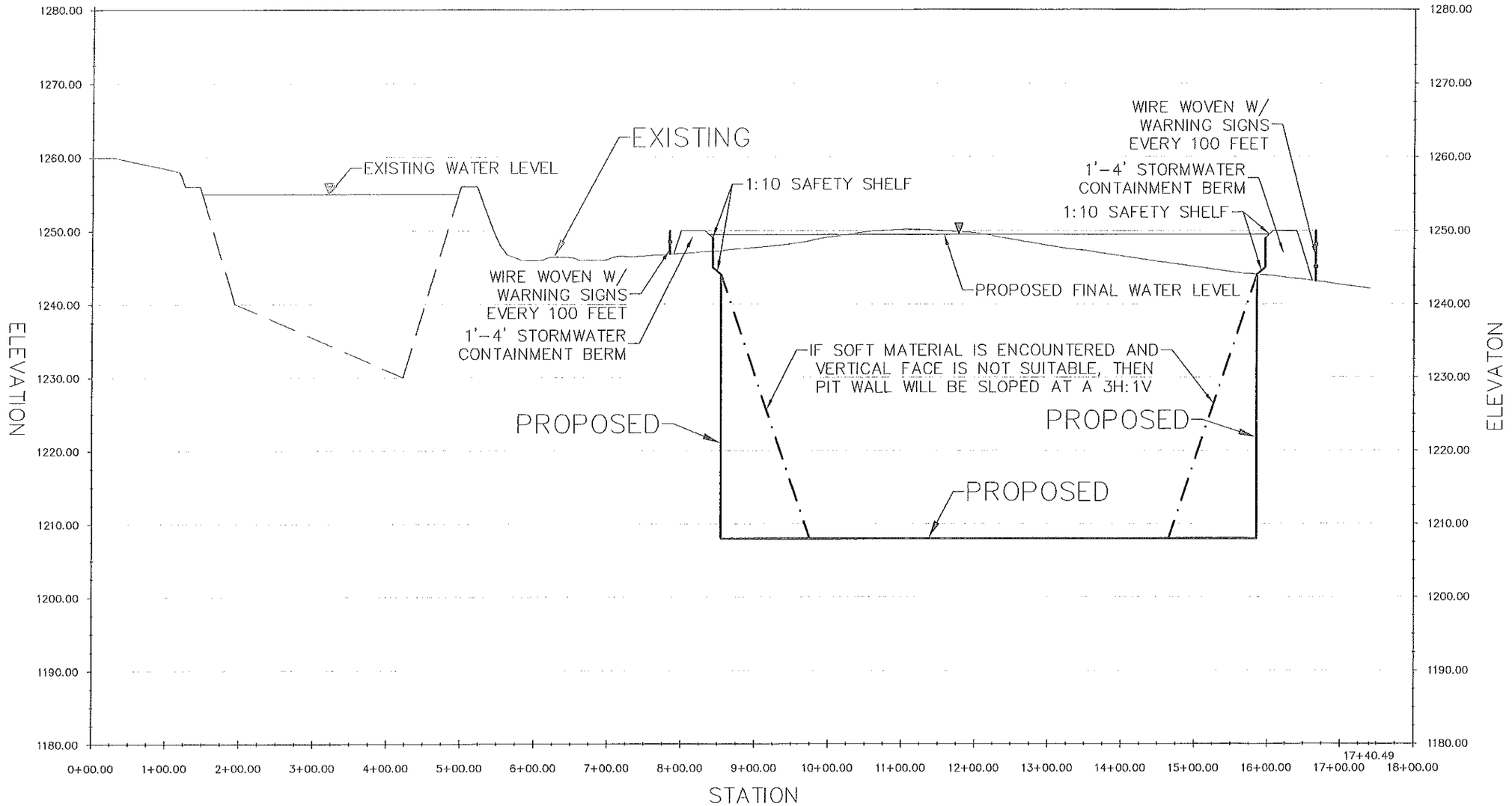
EROSION CONTROL DETAILS

RYAN STREET PIT
VILLAGE OF WESTON, MARATHON CO.

SCALE
1" = 200'

SHEET NO.
6
OF 7 SHEETS

A-A PROFILE
EXISTING AND PROPOSED PROFILE



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REVISION DATE

SURVEYED: HIGGINBOTHAM
DESIGNED: DMV
DRAWN BY: DMV
APPROVED: MT
DRAWING #:1707

PROPOSED PLAN & PROFILE

RYAN STREET PIT
VILLAGE OF WESTON, MARATHON CO.

SCALE
1"=150'

SHEET NO.
7
OF 7 SHEETS

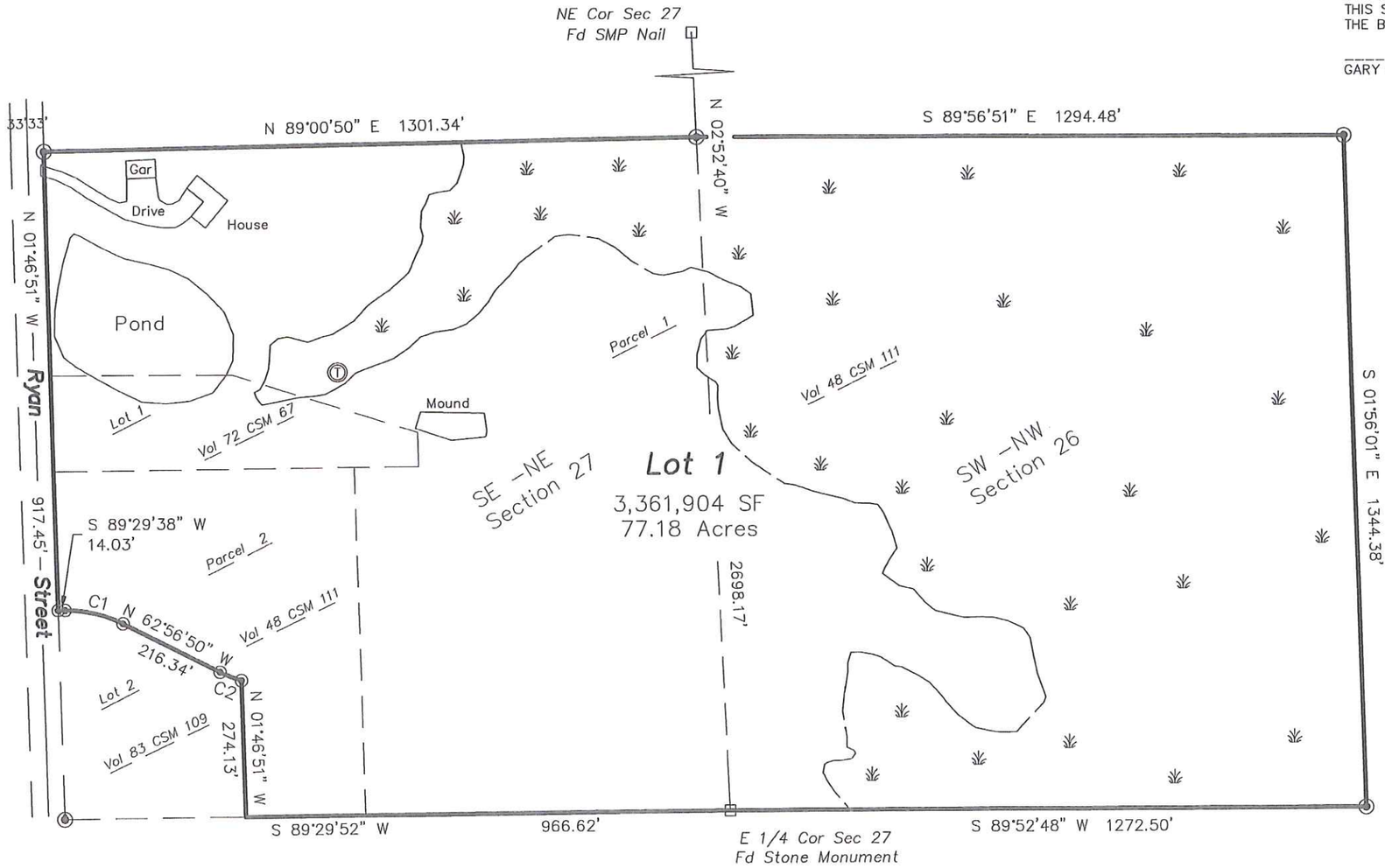
Wetland Delineation Map

OF ALL OF LOT 1, VOLUME 83 CERTIFIED SURVEY MAPS, PAGE 109 BEING PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 27 AND ALL OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 26, TOWNSHIP 28 NORTH, RANGE 8 EAST, VILLAGE OF WESTON, MARATHON COUNTY, WISCONSIN

0.82 3.1
200 ft

I, GARY STARZINSKI OF STAR ENVIRONMENTAL INC. HEREBY STATE THAT THE WETLAND LINE AS LOCATED AND DEPICTED ON THE FACE OF THIS SURVEY MAP IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

_____
GARY STARZINSKI



DANIEL E. HIGGINBOTHAM S-1935 BIRNAMWOOD, WI
WISCONSIN LAND SURVEYOR
11/01/16

Ⓥ Ⓣ SEPTIC VENT/TANK
Ⓦ WELL
● FOUND 2" I. PIPE
◉ FOUND 1" I. PIPE

NORTH

GRAPHIC SCALE

0 125 250 500

1 inch = 250ft.

BEARINGS ARE REFERENCED TO THE EAST LINE OF THE NE 1/4 OF SEC 27 ASSUMED TO BEAR N 2° 52' 40" W

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	250.00'	120.25'	119.09'	N 76°43'36" W	27°33'32"
C2	250.00'	45.60'	45.54'	N 68°10'21" W	10°27'03"

SURVEY PROVIDED BY:
PLOVER RIVER LAND CO., INC. 156 KENT ST WAUSAU, WI 54403 (715)449-2229

ATTACHMENT 2

USDA-NRCS Establishing and Maintaining Vegetation/Seeding Mixture

USDA-NRCS
ESTABLISHING AND MAINTAINING VEGETATION

1. Make Plans for Seeding after Construction! Seed within 24 hours after construction. If construction finishes after September 1 make a temporary seeding of Annual rye, or a dormant seeding. If a temporary seeding is done, plan to reseed in early spring. Where possible and practical, divert runoff until vegetation is established. Use soil retention blankets, jute matting, or sod in critical areas where water concentrates.

2. Obtain Needed Materials! Test soil. Secure lime, fertilizer, seed, seed inoculation and mulching materials before construction starts.

   a. Lime. If needed, apply lime at the rate of 3 tons per acre.
   b. Fertilizer. In lieu of a soil test, apply 400-600 pounds per acre of 20-10-10.
   c. Seed. Always check the label and seed in pure live seed rates.
   d. Mulch Materials. Mulch with 1/ 1/2 tons/acre of straw or hay reasonably free from grain and weed seed, or strawy manure at the rate of 6-8 T/A may be used.

	SEED RATES PER ACRE AND SEED NEEDED IN POUNDS					
	Location: Reclaimed Quarry, Phases 1 thru 4, Staging Area					
	Total Acres: 15.808					
Mix # DOT 20	Rate per acre					
Species	**Rate per acre**	**Phase 1: 2.576 Acres. # Seed Needed**	**Phase 2: 2.580 Acres. # Seed Needed**	**Phase 3: 2.107 Acres. # Seed Needed**	**Phase 4: 2.104 Acres. # Seed Needed**	**Staging Area 6.44 Acres # Seed Needed**
Kentucky Bluegrass	7.8 lbs	21	21	17	17	51
Hard Fescue	31.36 lbs	81	81	67	67	202
Tall Fescue	52.27 lbs	135	135	111	111	337
Perrenial Ryegrass	49.66 lbs	128	128	105	105	320

3. Prepare the Seedbed! THE SUCCESS OF THIS SEEDING DEPENDS ON THE PROPER SEEDBED. With a disk or harrow, work the soil to a 3-inch depth. On small areas, handwork may be necessary.

4. Mulch Properly! Spread mulch uniformly. 1 1/2 T/A is 60 bales per acre or 6-7 stems thick. Anchor mulch be pressing into the soil with a dull, weighted disc set straight or other approved methods. Work waterways crosswise when possible.

5. Seed shallow at 1/4 to 1/2 inch deep immediately after seedbed preparation. A cultipacker seeder works well. A hydro-seeder or hand seeder can be used.

6. Maintain Properly! Control weeds and undesirable woody vegetation. Delay mowing until after July 15 to accommodate ground-nesting wildlife. If pastured, always regulate grazing. Where grasses alone are used, an occasional application of fertilizer, high in nitrogen helps to maintain the stand.

ADDITIONAL COMMENTS:

_____

_____

Ryan Street Quarry
Owner

Marathon
County

Designed: Star Environmental, Inc.

ATTACHMENT 3

RECLAMATION ESTIMATE AND JUSTIFICATION

PHASE 1

Required Summary
for
Calculating a Proposed Financial Assurance

ITEM: *(see: Attachment C for description of items, Attachment D for DNR sample costs, Attachment E for description of assurance types.)*	UNITS[1]	$/UNIT	AMOUNT
☒ Grading and regrading ☒ Activities necessary to ensure soil and slope stabilization Erosion control materials Equipment and labor	2.576 acres	$1640/acre	$4,224.64
☒ Scarification of subsoil or underlying materials prior to topsoil redistribution	2.576 acres	$150/acre	$386.4
☒ Cost of obtaining or creating substitute topsoil material (if necessary) ☒ Topsoil redistribution ☒ Application of lime and /or fertilizer according to plan or test Materials Equipment and labor	2.576 acres	$1,640/acre	$4,224.64
☒ Revegetation: Seeding/Transplanting Materials including cost of seed and Mulch Equipment and labor	2.576 acres	$2000/acre	$5,152
☐ Mulching, netting or other stabilizing techniques Materials Equipment and labor Note: Cost has been taken into account in previous Section.	–	–	–
☒ Site maintenance costs up until time of final inspection and/or recovery of financial assurance.	2.576 acres	$50/acre	$128.8
TOTAL			$14,116.48 or $5,480/acre for 2.576 acres

Attach additional sheets as necessary.

[1] Examples: for materials, the quantity of a given material. For equipment or labor, number of machine-hours or person-hours.

PHASE 2

Required Summary
for
Calculating a Proposed Financial Assurance

ITEM: *(see: Attachment C for description of items, Attachment D for DNR sample costs, Attachment E for description of assurance types.)*	UNITS[1]	$/UNIT	AMOUNT
☒ Grading and regrading ☒ Activities necessary to ensure soil and slope stabilization Erosion control materials Equipment and labor	2.580 acres	$1640/acre	$4,231.20
☒ Scarification of subsoil or underlying materials prior to topsoil redistribution	2.580 acres	$150/acre	$387
☒ Cost of obtaining or creating substitute topsoil material (if necessary) ☒ Topsoil redistribution ☒ Application of lime and /or fertilizer according to plan or test Materials Equipment and labor	2.580 acres	$1,640/acre	$4,231.20
☒ Revegetation: Seeding/Transplanting Materials including cost of seed and Mulch Equipment and labor	2.580 acres	$2000/acre	$5,160
☐ Mulching, netting or other stabilizing techniques Materials Equipment and labor Note: Cost has been taken into account in previous Section.	–	–	–
☒ Site maintenance costs up until time of final inspection and/or recovery of financial assurance.	2.580 acres	$50/acre	$129
TOTAL			$14,138.40 or $5,480/acre for 2.580 acres

Attach additional sheets as necessary.

[1] Examples: for materials, the quantity of a given material. For equipment or labor, number of machine-hours or person-hours.

PHASE 3

Required Summary
for
Calculating a Proposed Financial Assurance

ITEM: *(see: Attachment C for description of items, Attachment D for DNR sample costs, Attachment E for description of assurance types.)*	UNITS[1]	$/UNIT	AMOUNT
☒ Grading and regrading ☒ Activities necessary to ensure soil and slope stabilization Erosion control materials Equipment and labor	2.107 acres	$1640/acre	$3,455.48
☒ Scarification of subsoil or underlying materials prior to topsoil redistribution	2.107 acres	$150/acre	$316.05
☒ Cost of obtaining or creating substitute topsoil material (if necessary) ☒ Topsoil redistribution ☒ Application of lime and /or fertilizer according to plan or test Materials Equipment and labor	2.107 acres	$1,640/acre	$3,455.48
☒ Revegetation: Seeding/Transplanting Materials including cost of seed and Mulch Equipment and labor	2.107 acres	$2000/acre	$4,214
☐ Mulching, netting or other stabilizing techniques Materials Equipment and labor Note: Cost has been taken into account in previous Section.	–	–	–
☒ Site maintenance costs up until time of final inspection and/or recovery of financial assurance.	2.107 acres	$50/acre	$105.35
TOTAL			$11,546.36 or $5,480/acre for 2.107 acres

Attach additional sheets as necessary.

[1] Examples: for materials, the quantity of a given material. For equipment or labor, number of machine-hours or person-hours.

PHASE 4

Required Summary
for
Calculating a Proposed Financial Assurance

ITEM: *(see: Attachment C for description of items, Attachment D for DNR sample costs, Attachment E for description of assurance types.)*	UNITS[1]	$/UNIT	AMOUNT
☒ Grading and regrading ☒ Activities necessary to ensure soil and slope stabilization Erosion control materials Equipment and labor	2.104 acres	$1640/acre	$3,450.56
☒ Scarification of subsoil or underlying materials prior to topsoil redistribution	2.104 acres	$150/acre	$315.60
☒ Cost of obtaining or creating substitute topsoil material (if necessary) ☒ Topsoil redistribution ☒ Application of lime and /or fertilizer according to plan or test Materials Equipment and labor	2.104 acres	$1,640/acre	$3,450.56
☒ Revegetation: Seeding/Transplanting Materials including cost of seed and Mulch Equipment and labor	2.104 acres	$2000/acre	$4,208
☐ Mulching, netting or other stabilizing techniques Materials Equipment and labor Note: Cost has been taken into account in previous Section.	–	–	–
☒ Site maintenance costs up until time of final inspection and/or recovery of financial assurance.	2.104 acres	$50/acre	$105.20
TOTAL			$11,529.92 or $5,480/acre for 2.104 acres

Attach additional sheets as necessary.

[1] Examples: for materials, the quantity of a given material. For equipment or labor, number of machine-hours or person-hours.

Staging Area

Required Summary
for
Calculating a Proposed Financial Assurance

ITEM: *(see: Attachment C for description of items, Attachment D for DNR sample costs, Attachment E for description of assurance types.)*	UNITS[1]	$/UNIT	AMOUNT
☒ Grading and regrading ☒ Activities necessary to ensure soil and slope stabilization Erosion control materials Equipment and labor	6.44 acres	$1640/acre	$10,561.60
☒ Scarification of subsoil or underlying materials prior to topsoil redistribution	6.44 acres	$150/acre	$966
☒ Cost of obtaining or creating substitute topsoil material (if necessary) ☒ Topsoil redistribution ☒ Application of lime and /or fertilizer according to plan or test Materials Equipment and labor	6.44 acres	$1,640/acre	$10,561.60
☒ Revegetation: Seeding/Transplanting Materials including cost of seed and Mulch Equipment and labor	6.44 acres	$2000/acre	$12,880
☐ Mulching, netting or other stabilizing techniques Materials Equipment and labor Note: Cost has been taken into account in previous Section.	–	–	–
☒ Site maintenance costs up until time of final inspection and/or recovery of financial assurance.	6.44 acres	$50/acre	$322
TOTAL			$35,291.20 or $5,480/acre for 6.44 acres

Attach additional sheets as necessary.

[1] Examples: for materials, the quantity of a given material. For equipment or labor, number of machine-hours or person-hours.

Attachment C

A Partial List of Reclamation Activities

A. Earthwork and Grading

- final grading and/or regrading of the nonmetallic mining site
- earthwork
- final slopes or slope angles,
- high wall reduction,
- benching,
- terracing
- and other structural slope stabilization measures.
- any reclamation blasting

B. Topsoil Management

(Removal, Storage, Substitute Soil, Redistribution)

- removal
- storage
- protection
- the replacement or redistribution of topsoil or topsoil substitute material
- topsoil substitute material "means soil or other unconsolidated material either used alone or mixed with other beneficial materials and which can provide the plant growth
- on-site topsoil or topsoil substitute material or by obtaining topsoil or substitute material as needed to make up the volume of topsoil as specified in the reclamation plan.
- all areas in the nonmetallic mine site where topsoil or topsoil substitute material is to be reapplied shall be graded or otherwise prepared prior to topsoil or topsoil substitute material redistribution to provide the optimum adherence between the topsoil or topsoil substitute material and the underlying material.

C. Revegetation Plan

A revegetation plan which shall include:
- timing and methods of seed bed preparation,
- rates and kinds of soil amendments,
- seed application timing, methods and rates,
- mulching, netting
- and any other techniques needed to accomplish soil and slope stabilization.

D. Erosion Control: Stabilization of Soil Conditions

A plan and, if necessary, a narrative showing erosion control measures to be employed during reclamation activities

- temporary or long-term erosion control
- straw bales
- construction of swale, ditch,
- temporary sediment pond
- silt fence
- riprap
- energy dissipaters
- terraces
- benching,
- other structural slope stabilization measures.
- other

E. Maintenance and Monitoring Prior to Release of Financial Assurance and Until Declaration of Completion (DOC)

- reports & evaluations including summarized data on revegetation, photodocumentation or other evidence that the criteria approved in the reclamation plan to ascertain success have been met; or
- the operator shall perform any maintenance necessary to prevent erosion, sedimentation or environmental pollution, comply with the standards of this subchapter, or to meet the goals specified in the reclamation plan.

F. Management of Refuse or Other Solid Waste (may Include Removal of Structures, Roads, Foundations, etc.)

- the removal or reuse of nonmetallic mining refuse
- removal of roads
- removal of structures
- removal of foundations
- other solid wastes shall be disposed of in accordance with applicable rules of the department adopted pursuant to chs. 289 and 291, Stats.

G. Other Reclamation Activities (List as Many as Necessary)

- fill material and activities whether fill is obtained on-site or off-site
- well abandonment
- removal of electrical supply
- removal of fences
- other

Attachment D

Typical Costs for Selected Reclamation Activities

We have provided a summary for some typical reclamation activities that may be performed at a mine site during reclamation. The table below is based on a number of sources including those referenced on a Wisconsin Department of Transportation Webpage. The numbers from the summary and/or the WisDOT Webpage can be used, as appropriate, to estimate the cost for reclamation activities included in nonmetallic mine reclamation plans or in the review of financial assurance needs estimates.

The WisDOT estimates were obtained from bids on highways, bridges, and airports in the state of Wisconsin. The complete list can be found at http://www.dot.state.wi.us/dtid/bhc/hwybids.html. Scroll down the page a little and select the file under "Average unit price list".

Item/Element	Source[4]
Trees - 200/ac @ $7.50 = $1500/ac Shrubs - 200/ac @ $5.00 = $1,000/ac. Understory (grasses, wildflowers & sedges) $1,500/ac	FMC *
Seed fertilize and mulch (grass & forbs) = $2,000 per acre	NMC **
Seed @ $30.00 per pound	WisDOT ***
Mulch @ $0.25 per square yard	WisDOT
Seed fertilize and mulch (savanna) @ $2,500 per acre	NMC
Seed, fertilize and mulch @ $2,000,00 per acre	NMC
Fertilize $40 per CWT (100 lbs.)	WisDOT
Replace topsoil = $2 per cubic yard	NMC
Regrade soil = $1.50 per cubic yard	NMC
Remove (2ft.) soil = $1.50 per cubic yard	NMC
Demolition = $21 per cubic foot	NMC
Break up slabs = $2.50 per square foot	NMC
On-site disposal of concrete = $6.00/ cubic yard	NMC
Break up foundations = $20/linear foot	NMC
Misc. erosion control (berms, riprap etc.) = $50,000 (lump sum)	NMC

[4] Also see references under Attachment A

Silt fence (installed) = $0.82/linear foot	WDNR ADM.
Riprap = $47 per cubic yard	WisDOT
Road Obliteration Bituminous = $7 per square yard Concrete = $11.65 per square yard	WDNR ADM.
Removal of Masonry building demolition @ $17.80 per square foot Removal of Wood building demolition @ $13.15 per square foot	WDNR ADM.
Landfill disposal of above @ $20 to $50 per ton	Dave Misterek, WDNR, Oshkosh Office
Surveying (property boundary, perimeter etc.) @ $1.04 /linear ft.	WDNR ADM.
Hauling –10 mile round trip @ $15/ cubic yard	WDNR ADM.
Average per acre reclamation cost for surface coal reclamation = $5,500 (this very general per acre cost is based upon numerous sites in the state and is provided only to give a benchmark)	State of Pennsylvania Department of Environmental Protection, Bureau of Mining and Reclamation
Marker Posts = $44.00 per linear foot	WisDOT
Culvert Pipe (12 INCH) = $ 92.00	WisDOT
Remove culverts @ $2.00 per linear foot	FMC
Downspout (6-inch) = $150 per linear foot	WisDOT
Abandoning wells = $1,250	WisDOT

* FMC = Flambeau Mining Company; data for reclaimed Flambeau Mine (Ladysmith, WI): 1989.
** NMC = Nicolet Minerals Company; data for reclamation of the proposed Crandon Mine (Crandon, WI): 1998.
*** WisDOT = Wisconsin Department of Transportation: 2001.
**** WDNR ADM. = Wisconsin DNR Division of Administration: 2002.

Attachment E

Description of Financial Assurance Options

Financial Assurance mechanisms may be placed in two basic categories:
1) Funds are actually *set aside* (escrows, trusts, and deposits with the Regulatory Authority)
2) *financial guarantees* (bonds, letters of credit, and insurance).

➢ Deposit with the Regulatory Authority (funds set aside) - A deposit of *cash , certificate of deposit or U.S. Government Securities* with the RA to guarantee performance of obligations under a reclamation permit.

➢ Escrow account (funds set aside) - The permittee transfers *cash, certificates of deposit or U.S. Government Securities* are and put into the custody of a third party, (usually a bank or financial institution). The escrow account is established by the permittee to satisfy the financial assurance requirements.

➢ Irrevocable trust (funds set aside) - A trust fund is an arrangement in which a separate legal entity, the trust, is created by the permittee to hold property pr funds solely for the purpose of guaranteeing performance of obligations under a reclamation permit.

➢ Bond or surety bond (financial guarantee) - Also known as either:
- a *performance bond* - surety company promises to pay for or perform reclamation or
- a *forfeiture bond* - surety company promises to make a cash payment for the bond amount

A bond is an instrument provided by a surety company for which the permittee pays a fee. This is a 3-party agreement that serves as a guarantee that the provider will pay costs associated with fulfilling the permittee's obligations in the event of default

➢ Insurance (financial guarantee) - An applicant takes out a closure insurance policy from an insurance company. The policy must be issued in an amount adequate to cover the reclamation costs. The RA is the beneficiary of the policy.

➢ Irrevocable letter of credit (financial guarantee) - This is similar to a bond with a bank or financial institution taking the place of a surety. A irrevocable letter of credit is established solely for the purpose of guaranteeing performance of obligations under a reclamation permit. The bank or financial institution agrees to pay in event of default.

➢ Net worth test - Method in which a permittee may demonstrate the financial viability of their company. Please refer to NR 135.40 (13), Wis. Adm. Code, for details of the legal review requirements. To do this, an applicant must provide sufficient financial data to demonstrate compliance with minimum financial standards. The company must satisfy specific financial criteria and pass several financial ratios. The application must be supported by the opinion of an independent certified public accountant in order to establish proof of financial responsibility. The data used to demonstrate the financial viability must be taken from the company's audited financial statements from the most recently completed fiscal year. The financial information must be resubmitted every year, using the most current financial statement data.

ATTACHMENT 4

PROOF OF OWNERSHIP

VILLAGE OF WESTON
VILLAGE OF WESTON
PO BOX 438
WESTON WI 54476-0438

BILL/PAGE NO. 4706

STATE OF WISCONSIN

REAL ESTATE PROPERTY TAX BILL FOR 2016
VILLAGE OF WESTON
MARATHON COUNTY

IMPORTANT: Correspondence should refer to tax number
•See reverse side for Important Information
. Be sure this description covers your property. This description is for property tax bill only and may not be a full legal description.

8201 RYAN ST
SEC 27-28-08
PT OF SE 1/4 NE 1/4 & ALL
OF SW 1/4 NW 1/4 SEC 26-28-
08 - LOT 1 CSM VOL 83 PG
109 (#17452) (DOC# 1717392)
77.180 ACRES
1472676 1694028

192-2808-271-0983

GARY R GUERNDT
8201 RYAN ST
WESTON WI 54476

Assessed Value Land	Ass'd. Value Improvements	Total Assessed Value	Ave. Assmt. Ratio	Net Assessed Value Rate (Does NOT reflect Credits)
			102.26%	.021061320
Est. Fair Mkt. Land	Est. Fair Mkt. Improvements	Total Est. Fair Mkt.	☐ A Star in This Box Means Unpaid Prior Year Taxes.	School taxes reduced by school levy tax credit

Taxing Jurisdiction	2015 Est. State Aids Allocated Tax Dist.	2016 Est. State Aids Allocated Tax Dist.	2015 Net Tax	2016 Net Tax	% Tax Change
#01					
STATE OF WISCONSIN		775,984			
MARATHON COUNTY		1,811,239			
VILLAGE OF WESTON		16,316,506			
DC EVEREST SCHOOL		1,104,071			
NORTHCENTRAL TECH					
Total		20,007,800			

First Dollar Credit
Lottery & Gaming Credit
Net Property Tax

Make Check Payable to:
VILLAGE OF WESTON
VILLAGE OF WESTON
PO BOX 438
WESTON WI 54476-0438

Full Payment Due On or Before January 31 2017
$

Or First Installment Due On or Before January 31
$

And Second Installment Payment Payable To:
COUNTY TREASURER
AUDREY JENSEN
500 FOREST ST
WAUSAU WI 54403-5568

And Second Installment Due On or Before July 31
$

Net Property Tax

FOR INFORMATIONAL PURPOSES ONLY - Voter-Approved Temporary Tax Increases

Taxing Jurisdiction	Total Additional Taxes	Total Additional Taxes Applied To Property	Year Increase Ends

TOTAL DUE FOR FULL PAYMENT
PAY BY JANUARY 31 2017
$

Warning: If not paid by due dates, installment option is lost and total tax is delinquent subject to interest and, if applicable, penalty. Failure to pay on time. See reverse.

☐ Check For Billing Address Change.

62.272808.004.008.00.00

GARY R GUERNDT
8201 RYAN ST
WESTON WI 54476

ATTACHMENT 5

RESUME'

Résumé' of Qualifications

Gary W. Starzinski, LPSS, CPSS
President, Star Environmental, Inc.
705 Third Street, P.O. Box 434
Marathon, WI 54448
Telephone: 715-443-6115
Cell: 715-571-0829 Fax: 715-443-6108
Email: starenvironmental@hotmail.com

Experience:

Star Environmental, Inc., President
Licensed Professional Soil Scientist

As a State of Wisconsin Licensed Professional Soil Scientist and Recognized United States Army Corps of Engineering and Wisconsin Department of Natural Resources Wetland Consultant, with over 40 years of professional experience in the soils and wetland disciplines, completing over 2000 wetland delineations and over 10,000 Soil and Site Evaluations in over 50 Wisconsin Counties. He has soil mapped over 200,000 acres on the United States Department of Agriculture-Natural Resources Conservation Service National Cooperative Soil Survey and participates in soils and wetland training programs, annually.

Star Environmental, Inc. is a consulting firm offering services in wetland delineations, mitigation, restorations, wetland mitigation banking, WDNR project permit assistance, soil and site evaluations for septic systems and storm water management practices, soil erosion control and habitat restoration, non-metallic mining permit assistance, phase 1 environmental site assessments, soil characterization and morphological studies, soil survey mapping and comprehensive land resource planning.

Education:

B.S. – Soil Science, May 1975 University of Wisconsin Stevens Point

Qualifications:

Licensed Professional Soil Scientist, State of Wisconsin Department of Safety and Professional Services

ARCPACS Certified Professional Soil Scientist, American Society of Agronomy

Certified Environmental Inspector, Environmental Assessment Association

Certified Soil Tester, State of Wisconsin

Recognized U.S. Army Corps of Engineers and WDNR Wetland Consultant

Member of the State of Wisconsin Standards Oversight Council for Stormwater 1002 Soil and Site Evaluations

Past President of the Wisconsin Society of Professional Soil Scientists

Résumé' of Qualifications

Brian Camlek, CST, POWTS Inspector
Water Resource Specialist, Star Environmental, Inc.
705 Third Street, P.O. Box 434
Marathon, WI 54448
Telephone: 715-443-6115
Cell: 715-630-4401 Fax: 715-443-6108
Email: starenvironmental@hotmail.com

Experience:

Star Environmental, Inc., Water Resource Specialist

Professional Experiences in Wetland Delineations, Wetland Mitigation Banks, Non-Metallic Mine Reclamation Plans, Pond Development Plans, Stormwater Pollution Prevention Plans, Soil and Site Evaluations for Septic Systems and Stormwater, Septic System Designs, Septic System and Well Inspections.

Dade Moeller, Inc., Environmental Scientist

Sampled Soil, Water, Vegetation and Aquatic Organism while conducting extensive QA/QC of data collected during offshore operations in the Gulf of Mexico in response to the BP Deepwater Horizon Oil Spill of 2010.

Water and Environmental Analysis Laboratory, UWSP, Environmental Lab Technician

Analyzed and interpreted water samples for Nitrates, Nitrites, Chloride, Fluoride, Bacteria, Total Hardness, Alkalinity, pH, Turbidity, Biological Oxygen Demand, Chemical Oxygen Demand.

Education:

B.S.-Water Resources and Soil Science, May 2010 University of Wisconsin Steven Point

WDNR Basic and Advanced Wetland Delineation Training Workshops

WDNR Critical Methods in Wetland Delineation Workshop

Certified Environmental Inspector - Commonground University ASTM E1527-13 Phase 1 ESA

Completion of UW-Madison-WinSLAMM v.10.2 Meeting Urban Stormwater Management Goals

Completion of Trenching & Excavating Competent Person Awareness Training

Qualifications:

Certified Soil Tester, State of Wisconsin

Certified POWTS Inspector, State of Wisconsin

Licensed Pump Installer, State of Wisconsin

Recognized USACE and WDNR Wetland Consultant