



June 30, 2020

MS Dept of Environmental Quality  
Office of Pollution Control  
P.O. Box 2261  
Jackson, Mississippi 39225

RE: Pocahontas Mine  
Madison County, MS  
Benchmark Project No.: B-7675

To Whom It May Concern,

Pocahontas Mine is located on Pocahontas Road in Madison County, MS. Select fill material will be mined from this site and sold to contractors for construction projects in the area. A mining permit will be submitted to the MDEQ Office of Geology for approval. Enclosed is the Mining Notice of Intent along with the Stormwater Pollution Prevention Plans for your review and approval.

Thanks for your assistance with this project, if you need any additional information, contact me at 601-940-9169. Thanks.

Sincerely,

Blake Alford, P.E.  
Benchmark Engineering & Surveying, LLC  
[balford@benchmarkms.net](mailto:balford@benchmarkms.net)



MISSISSIPPI DEPARTMENT OF  
ENVIRONMENTAL QUALITY

**MINING NOTICE OF INTENT (MNOI)  
FOR COVERAGE UNDER  
MINING STORM WATER, DEWATERING AND NO DISCHARGE  
GENERAL PERMIT MSR32 \_\_\_\_\_  
(Number to be assigned by State)**

**File at least 30 days prior to the commencement of mining; 15 days if a Storm Water Pollution Prevention Plan (SWPPP) is already on file and mine dewatering is not proposed. Lateral expansion of an existing mine that has general permit coverage requires the submittal of the Major Modification Form, not a new MNOI. However, modification of the existing SWPPP to include the expansion is required. Discharge of storm water or impounded water associated with mining or the operation of a wastewater recirculation system with no discharge without written notification of coverage from MDEQ is a violation of State Law.**

**If the company seeking coverage is a corporation, a limited liability company, a partnership, or a business trust, attach proof of its registration with the Mississippi Secretary of State and/or its Certificate of Good Standing. This registration or Certificate of Good Standing must be dated within twelve (12) months of the date of the submittal of this coverage form. Coverage will be issued in the company name as it is registered with the Mississippi Secretary of State.**

**Please indicate the activities to be covered by this MNOI (check all that apply).**

- ☒ Storm Water Discharges Associated with Mining      ☐ Mine Dewatering  
☐ Wastewater Recirculation System with No Discharge

**The appropriate section of the MNOI must be completed if the applicant proposes to discharge storm water, discharge impounded mine water (dewatering) and/or operate a wastewater recirculation system with no discharge.**

**A site-specific Storm Water Pollution Prevention Plan (SWPPP) developed in accordance with ACT5 of the General Permit and a United States Geological Survey (USGS) quadrangle map or photocopy, indicating the site location and outfalls must be included with the MNOI submittal. The name of the quadrangle map must be shown on all copies. Quadrangle maps can be obtained from the MDEQ, Office of Geology at 601-961-5523. Additional submittals may include the following (check all that apply).**

- ☐ Section 404 Documentation      ☐ Notice of Exempt Operations Form  
☐ Dam/Reservoir Safety Permit or Written Authorization

**ALL INFORMATION MUST BE COMPLETED (indicate "N/A" where not applicable)**



**MSR32** \_ \_ \_ \_

(NUMBER TO BE ASSIGNED BY STATE)

APPLICANT IS THE: ☒ OWNER ☐ OPERATOR

**OWNER CONTACT INFORMATION**

OWNER CONTACT PERSON: Brad Pepper  
OWNER COMPANY LEGAL NAME: Magnolia Mining, LLC  
OWNER STREET OR P. O. BOX: 1331 Livingston Vernon Road  
OWNER CITY: Flora STATE: MS ZIP: 39071  
OWNER PHONE #: (601) 573-7858 OWNER EMAIL: brielle.turfscapelandm@gmail.com

**OPERATOR CONTACT INFORMATION**

OPERATOR CONTACT PERSON: \_\_\_\_\_  
OPERATOR COMPANY LEGAL NAME: \_\_\_\_\_  
OPERATOR STREET OR P. O. BOX: \_\_\_\_\_  
OPERATOR CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_  
OPERATOR PHONE #: (\_\_\_\_) \_\_\_\_\_ OPERATOR EMAIL: \_\_\_\_\_

**MINE INFORMATION**

MINE NAME: Pocahontas Mine  
MINE SITE ADDRESS (If the physical address is not available, please indicate nearest named road.)  
Street: Pocahontas Road  
City: Flora State: MS County: Madison Zip: 39071  
\_\_\_\_\_/4 OF NW \_\_\_\_/4 OF SECTION 22, TOWNSHIP 8N, RANGE 1W  
MINE SITE TRIBAL LAND ID (N/A If not applicable): N/A  
ATTACH A USGS QUAD MAP, EXTENDING ½ MILE BEYOND FACILITY, OUTLINING THE MINE BOUNDARIES  
(Maps can be obtained from the Mississippi Office of Geology. For information call 601-961-5523).  
LATITUDE: 32 degrees 31 minutes <sup>43.1795</sup> seconds LONGITUDE: 90 degrees 17 minutes <sup>40.9515</sup> seconds  
LAT & LONG DATA SOURCE (GPS (Please GPS Entrance Gate) or Map Interpolation): Google Earth  
TOTAL ACREAGE: 34 MATERIAL TO BE MINED: Dirt  
WILL HYDRAULIC DREDGING BE USED? ☐ YES ☒ NO  
WASHING OF SAND/GRAVEL? ☐ YES ☒ NO

ESTIMATED START DATE: 2020-8  
YYYY-MM-DD  
SIC CODE 1442

ESTIMATED END DATE: 2024-8  
YYYY-MM-DD  
NAICS CODE 212321

### RECEIVING STREAM INFORMATION

NEAREST NAMED RECEIVING STREAM: Bogue Chitto Creek

IS RECEIVING STREAM ON MISSISSIPPI'S 303(D) LIST OF IMPAIRED WATER BODIES? (The 303(d) list of impaired waters and TMDL stream segments may be found of MDEQ's website: [http://www.deq.state.ms.us/MDEQ.nsf/page/TWB\\_Total\\_Maximum\\_Daily\\_Load\\_Section](http://www.deq.state.ms.us/MDEQ.nsf/page/TWB_Total_Maximum_Daily_Load_Section)) ☐ YES ☒ NO

HAS A TMDL BEEN ESTABLISHED FOR THE RECEIVING STREAM SEGMENT? ☐ YES ☐ NO

### COMPLETE IF STORM WATER DISCHARGE IS PROPOSED

ATTACH A STORM WATER POLLUTION PREVENTION PLAN (SEE PERMIT FOR REQUIREMENTS)

IDENTIFY THE ASSOCIATION OR GENERIC SWPPP ON FILE AT MDEQ: SWPPP Attached

### COMPLETE IF WASTEWATER RECIRCULATION SYSTEM WITH NO DISCHARGE IS PROPOSED

DISTANCE BETWEEN RECIRCULATION POND(S) AND PROPERTY LINE: (FT)  
(MUST BE AT LEAST 150 FEET)

NUMBER OF RECIRCULATION POND(S):

STORAGE CAPACITY OF EACH RECIRCULATION POND(S): (FT<sup>3</sup>)

### COMPLETE IF MINE DEWATERING IS PROPOSED

ESTIMATED DEWATERING VOLUME: (GAL/DAY)

NAME AND ADDRESS OF THE RECIPIENT OF THE DISCHARGE MONITORING REPORTS (DMRs), IF DIFFERENT FROM SIGNATORY:



**DOCUMENTATION OF COMPLIANCE WITH OTHER REGULATIONS/REQUIREMENTS**  
Coverage under this general permit will not be granted until all other required MDEQ permits and approvals are addressed.

WILL THE CONSTRUCTION OR OPERATION OF THIS MINE INVOLVE THE RE-ROUTING, FILLING OR CROSSING OF A WATER CONVEYANCE OF ANY KIND? ☐ YES ☒ NO

If yes, contact the U.S. Army Corps of Engineers' Regulatory Branch for permitting requirements. If the mine requires a Corps of Engineers Section 404 permit, provide appropriate documentation with this MNOI that:

- The mine has been approved by individual permit, or
- The work will be covered by a nationwide permit and NO NOTIFICATION to the Corps is required, or
- The work will be covered by a nationwide or general permit and NOTIFICATION to the Corps is required.

LIST ANY NPDES PERMIT NO(s). \_\_\_\_\_ GEOLOGY APPLICATION/PERMIT NO. \_\_\_\_\_

LIST OTHER GEOLOGY PERMIT NUMBERS THAT APPLY TO COVERAGE AREA \_\_\_\_\_

IS THE MINE LESS THAN 4 ACRES AND GREATER THAN 1320 FEET FROM ANOTHER MINE?

- ☐ YES A "Notice of Exempt Operations" Form must be included with the MNOI or proof of prior submission, if previously submitted to the Office of Geology.
- ☒ NO A "Notice of Intent to Mine Class I or Class II Materials" Form must be filed before coverage will be granted under the Mining General Permit. For information on Office of Geology requirements, call 601-961-5515.

LIST ANY LOCAL STORM WATER ORDINANCES WITH WHICH THE OPERATIONS MUST COMPLY AND SUBMIT ANY ASSOCIATED APPROVAL DOCUMENTATION. Madison County Ordinances

IF IMPOUNDMENTS WILL BE CONSTRUCTED ABOVE NATURAL SURFACE ELEVATIONS, INDICATE WHICH, IF ANY, OF THE FOLLOWING APPLY.

- ☐ The impoundment will be constructed with a peripheral dam or levee 8 feet or greater in height, measured from the lowest elevation of its toe.
- ☐ The impoundment will have a maximum storage volume greater than 25 acre-feet.
- ☐ The impoundment will impound a watercourse with a continuous flow.
- ☐ The impoundment has the potential to threaten downstream lives or man-made structures.

If any of the impoundments meet any of the above criteria, the applicant will be required to obtain written authorization from MDEQ, Dam Safety Division before coverage will be granted under the Mining General Permit.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Brad Pepper  
Authorized Signature<sup>1</sup>

06/30/2020  
Date

Brad Pepper  
Printed Name

Owner/President  
Title

<sup>1</sup>This application shall be signed according to the General Permit, Act 15, T-4 as follows:

- For a corporation, by a responsible corporate officer.
- For a partnership, by a general partner.
- For a sole proprietorship, by the proprietor.
- For a municipal, state or other public facility, by either a principal executive officer, the mayor, or ranking elected official.
- Duly Authorized Representative

Please submit this form to: Chief, Environmental Permits Division  
MDEQ, Office of Pollution Control  
P.O. Box 2261  
Jackson, Mississippi 39225

# Storm Water Pollution Prevention Plan

For

## **POCAHONTAS MINE**

Located in  
Madison County, MS

### **BENCHMARK ENGINEERING & SURVEYING, LLC**

101 Highpointe Court, Suite B  
Brandon, MS 39042  
Office 601-591-1077

660 Katherine Drive, Suite 302  
Flowood, MS 39232  
Office 601-627-7780

[www.benchmarkms.net](http://www.benchmarkms.net)



## **Site Information**

Pocahontas Mine is located on Pocahontas Road near Flora in Madison County, MS. Dirt will be mined from this location and sold to contractors for construction projects in the area. A mining permit is being submitted to the Office of Geology for approval.

According to the SOIL SURVEY OF MADISON COUNTY, MISSISSIPPI the soil on the site is of type LoB2 – Loring silt loam, 2 to 5 percent slopes; LoC3 – Loring silt loam, 5 to 8 percent slopes; LoD3 – Loring silt loam, 8 to 12 percent slopes; Mo – Morganfield silt loam, 0 to 2 percent slopes. Loring silt loam (LoB2) is a gently sloping, moderately well drained soil that has fragipan and is formed in silty material on broad ridgetops and uplands. Loring silt loam (LoC3) is a sloping, moderately well drained soil that has a fragipan and is formed in silty material on ridgetops and side slopes of uplands. Loring silt loam (LoD3) is a strongly sloping, moderately well drained soil that has a fragipan and is formed in silty material on ridgetops and side slopes of uplands. Morganfield silt loam (Mo) is a nearly level, well drained soil that formed in silty alluvium on broad flood plains. This site drains to an unnamed tributary of Bogue Chitto Creek.

## **Vegetative Controls**

Topsoil will be stockpiled on site as needed for reclamation. Contractor will be allowed to stockpile other soils for mixing purposes. Silt fencing shall be placed around any stockpiles that are at a grade where runoff may leave the project site. Any disturbed areas that will drain off of project site that are thought to remain undisturbed for thirty or more days will be seeded with permanent seeding immediately.

## **Structural Controls**

Upslope waters will be diverted around disturbed areas if encountered. Silt fence or brush barriers will be installed along the toe of all slopes where the grade will direct storm water runoff away from the project site. Additional fencing will be added as required to control sediment. An equipment/materials staging area will be constructed, location to be decided by the contractor. A suitable container for trash will be provided. Portable sanitary facilities will be provided for the construction workers.

## **Housekeeping Practices**

All major equipment maintenance and repair will be done offsite. In the event that minor equipment maintenance and repair is required onsite, it will be performed in the equipment/materials staging area. Refueling of equipment will take place in the equipment/materials staging area. Portable sanitary facilities will be inspected by the contractor weekly and emptied or replaced as needed. The equipment/materials staging

area will be inspected by the contractor weekly and after storm events; perimeter controls, containment structures and covers will be repaired or replaced as needed.

### **Post Construction/Storm Water Management Measures**

Hay bales, wattles or rip-rap will be placed at concentrated storm water discharge points to prevent erosion from high velocities until permanent ground cover is established should there be any such situations, however we do not anticipate this situation at this time. Silt fence will be placed as necessary to impede silt laden runoff from leaving the site.

### **Implementation Sequence**

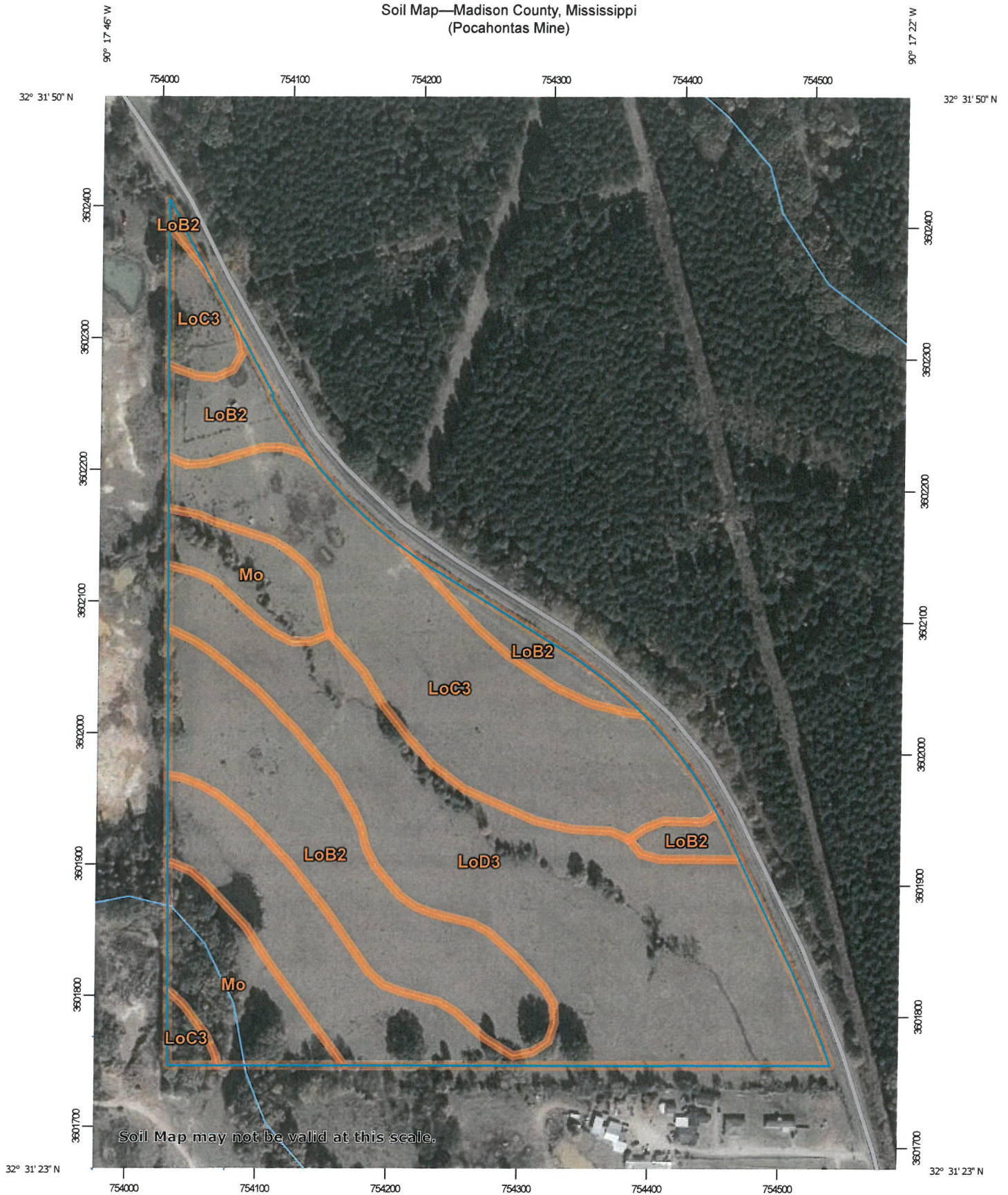
1. Set up equipment and materials staging area if needed by the contractor for project.
2. Install silt fence along downstream end of area to be disturbed
3. Begin mining operations
4. Stabilize the project site with permanent seed and mulch.
5. Stabilize site with permanent seed and mulch
6. Remove all temporary erosion control measures once site is stabilized with 90% vegetative cover.

### **Maintenance Plan**



























































Check all disturbed areas, erosion and sediment controls after each significant rainfall but not less than once per week. Make needed repairs within 24 hours or as soon as conditions allow. Remove sediment from the silt fences when accumulated sediment has reached 50% capacity. Replace non-functional silt fence. Maintain all vegetated areas to provide proper ground cover – reseed, fertilize and mulch as needed. Remove all erosion control measures once contributing area is stabilized.



# Soil Map—Madison County, Mississippi (Pocahontas Mine)



## MAP LEGEND

<b>Area of Interest (AOI)</b>		<b>Area of Interest (AOI)</b>		<b>Spoil Area</b>	
<b>Soils</b>		<b>Soil Map Unit Polygons</b>		<b>Stony Spot</b>	
	<b>Soil Map Unit Lines</b>		<b>Very Stony Spot</b>	<b>Wet Spot</b>	
	<b>Soil Map Unit Points</b>		<b>Other</b>	<b>Special Line Features</b>	
<b>Special Point Features</b>		<b>Water Features</b>		<b>Streams and Canals</b>	
	<b>Blowout</b>		<b>Transportation</b>	<b>Rails</b>	
	<b>Borrow Pit</b>		<b>Interstate Highways</b>	<b>US Routes</b>	
	<b>Clay Spot</b>		<b>Major Roads</b>	<b>Local Roads</b>	
	<b>Closed Depression</b>		<b>Background</b>	<b>Aerial Photography</b>	
	<b>Gravel Pit</b>				
	<b>Gravelly Spot</b>				
	<b>Landfill</b>				
	<b>Lava Flow</b>				
	<b>Marsh or swamp</b>				
	<b>Mine or Quarry</b>				
	<b>Miscellaneous Water</b>				
	<b>Perennial Water</b>				
	<b>Rock Outcrop</b>				
	<b>Saline Spot</b>				
	<b>Sandy Spot</b>				
	<b>Severely Eroded Spot</b>				
	<b>Sinkhole</b>				
	<b>Slide or Slip</b>				
	<b>Sodic Spot</b>				

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL:  
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Madison County, Mississippi  
Survey Area Data: Version 14, Sep 13, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Data not available.

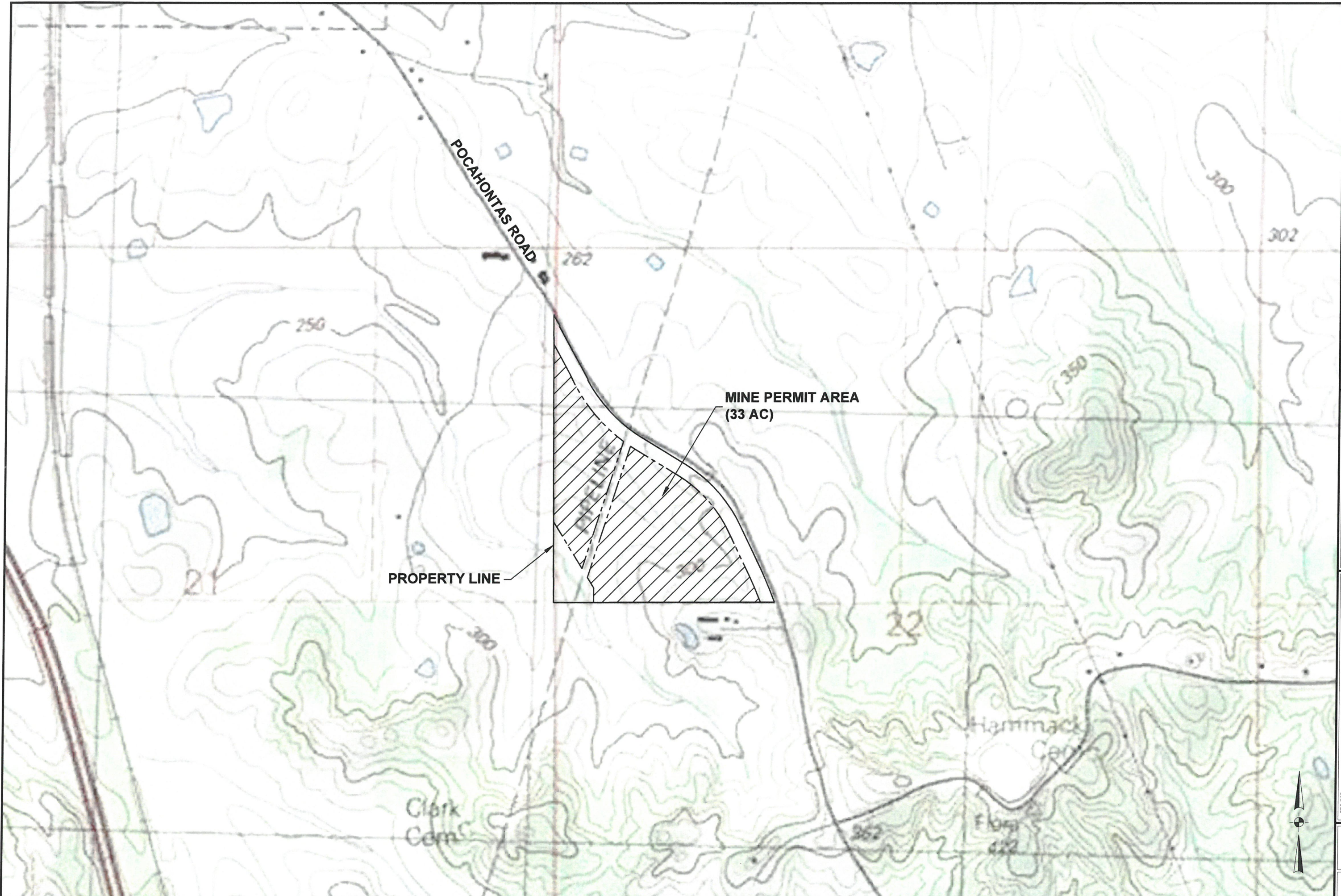
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



## Map Unit Legend

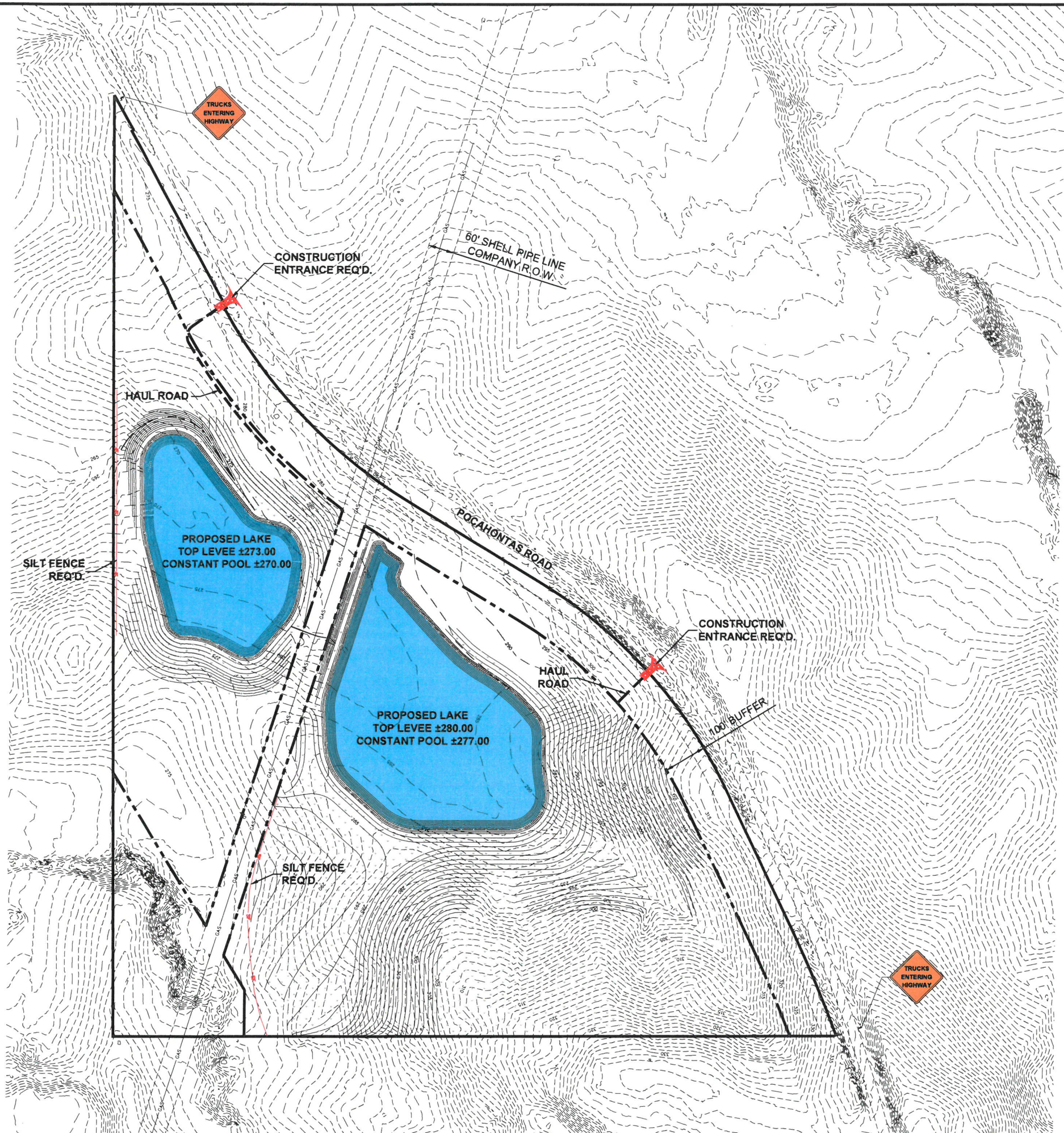
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
LoB2	Loring silt loam, 2 to 5 percent slopes, moderately eroded, central	9.5	22.0%
LoC3	Loring silt loam, 5 to 8 percent slopes, severely eroded, central	10.9	25.3%
LoD3	Loring silt loam, 8 to 12 percent slopes, severely eroded	18.5	43.0%
Mo	Morganfield silt loam, 0 to 2 percent slopes, occasionally flooded	4.2	9.8%
Totals for Area of Interest		43.2	100.0%





<b>BENCHMARK</b> ENGINEERING & SURVEYING, LLC 101 Highgate Court, Suite B Bradford, Mississippi 39042 801-481-1077 www.benchmarkms.com	
REVISIONS:	
DATE: 06/24/20	DRAWN: CBA
CHECKED: GAB	SCALE: 250'
REF: C/L	
EC SURFACE:	
FG SURFACE:	
PROJECT LOCATION: POCAHONTAS ROAD MADISON COUNTY, MS	
CLIENT: MAGNOLIA MINING, LLC 1331 LIVINGSTON VERNON ROAD, FLORA, MS 39071	
PROJECT: POCAHONTAS MINE	
SHEET CONTENTS: QUAD MAP	
SHEET NUMBER 1 of 1	
PROJECT NUMBER B-7675	





**LEGEND**



GRASSING REQ'D.



MINING PERMIT AREA



SILT FENCE

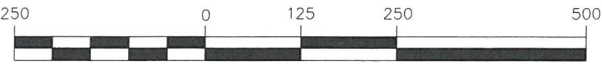
**CONSTRUCTION SEQUENCE & EROSION CONTROL  
SEQUENCE SCHEDULE**

THE SCHEDULE LAID OUT BELOW IS TO PROVIDE CLARIFICATION TO THE CONTRACTOR ON THE INTENDED ORDER OF CONSTRUCTION IN CONJUNCTION WITH THE REQUIRED EROSION CONTROL MEASURES OF THIS PROJECT AS SHOWN ON THIS SHEET AND OTHER CONTRACT DOCUMENTS.

1. SET UP EQUIPMENT AND MATERIALS STAGING AREA IF NEEDED BY THE CONTRACTOR FOR PROJECT.
2. INSTALL SILT FENCE ALONG THE DOWNSTREAM BOUNDARY OF ANY AREAS THAT ARE TO BE GRADED OR MINED.
3. BEGIN MINING & GRADING OPERATIONS.
4. STABILIZE THE PROJECT SITE WITH PERMANENT SEED AND MULCH IN AREAS THAT ARE GRADED OR MINED.
5. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES ONCE SITE IS STABILIZED WITH 90% VEGETATIVE COVER.

**NOTES:**

1. GRADES SHOWN SHALL BE CONSIDERED APPROXIMATE AND ARE SUBJECT TO CHANGE AS LONG AS MADISON COUNTY AND MDEQ REQUIREMENTS ARE MET.
2. IT IS THE INTENT OF THIS PLAN THAT THE CONTRACTOR SHALL INSTALL SILT FENCING, BRUSH BARRIERS, OR OTHER MDEQ ACCEPTED BMP'S (OR A COMBINATION OF SUCH) ON THE DOWNSTREAM PERIMETER OF ANY AREAS THAT ARE TO BE CLEARED/GRUBBED OR MINED PRIOR TO BEGINNING WORK TO CONTROL EROSION AND SILT RUNOFF PER MDEQ REQUIREMENTS.
3. TOPSOIL AND GRASSING WILL BE REQUIRED IN THE EXCAVATED AREA AS PART OF THE RECLAMATION PLAN.
4. TOPSOIL STOCKPILE LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR.
5. SILT FENCE SHALL SURROUND EACH TOPSOIL STOCKPILE LOCATION.
6. EQUIPMENT STAGING AREA WILL BE DETERMINED THE CONTRACTOR.



( IN FEET )  
1 inch = 250 ft.

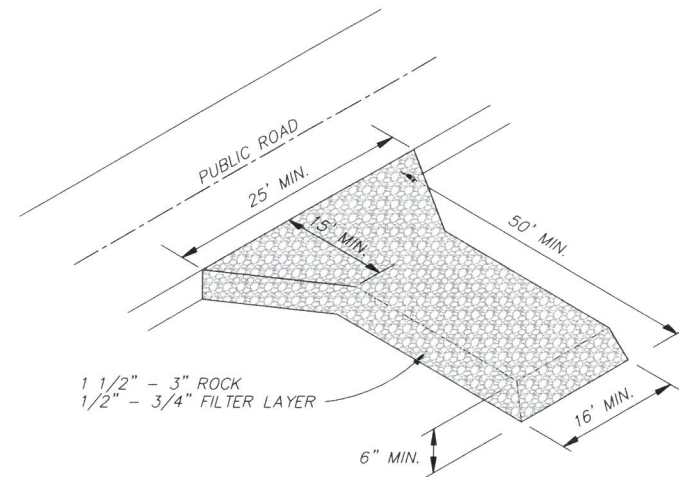
DATE:	06/24/20	DRAWN:	CBA
CHECKED:	GAB	SCALE:	250
REF:	C/L	EC SURFACE:	
FG SURFACE:			

PROJECT LOCATION:	POCAHONTAS ROAD MADISON COUNTY, MS
CLIENT:	MAGNOLIA MINING, LLC 1331 LIVINGSTON VERNON ROAD, FLORA, MS 39071

PROJECT:	POCAHONTAS MINE
SHEET CONTENTS:	EROSION CONTROL PLAN

SHEET NUMBER	1 of 2
PROJECT NUMBER	B-7675

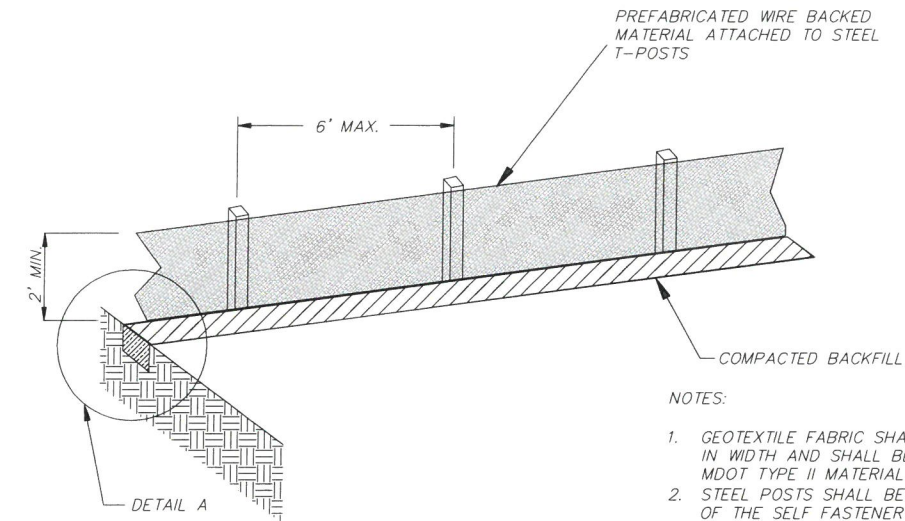




NOTES:

1. VEHICLE TRACKING MAT SHALL BE LOCATED AT EVERY ENTRANCE/EXIT TO THE CONSTRUCTION SITE.
2. VEHICLE TRACKING MAT SHALL BE MAINTAINED BY CONTRACTOR AS NEEDED TO PREVENT ANY MATERIAL FROM BEING TRACKED ONTO PUBLIC ROAD.
3. SEDIMENT AND OTHER MATERIAL SPILLED, DROPPED OR TRACKED ONTO PUBLIC ROAD SHALL BE IMMEDIATELY REMOVED BY CONTRACTOR.

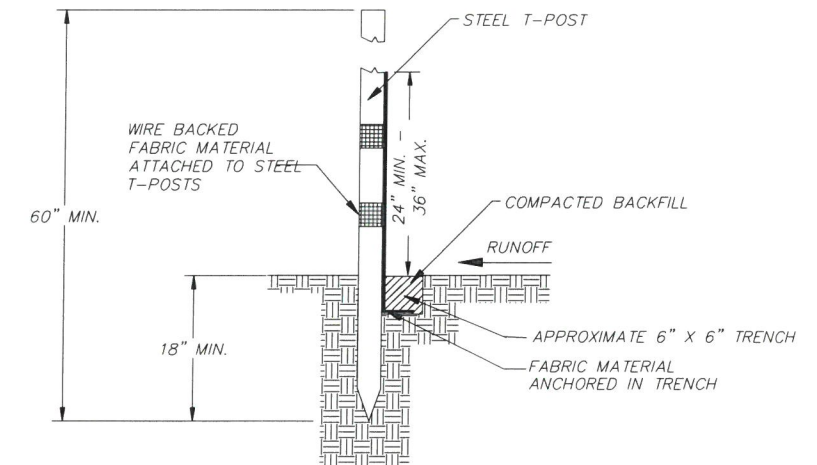
TEMPORARY CONSTRUCTION ENTRANCE DETAIL



SILT FENCE DETAIL

NOTES:

1. GEOTEXTILE FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE WIRE BACKED OR MEET MDOT TYPE II MATERIAL REQUIREMENTS.
2. STEEL POSTS SHALL BE 4' (MIN.) IN HEIGHT AND OF THE SELF FASTENER ANGLE STEEL TYPE.
3. FENCE SHALL BE FASTENED WITH NOT LESS THAN 9 GAGE STAPLES 1" LONG FOR WOODEN POSTS AND 3/4" FOR WOODEN STAKES.
4. ALLOW A 6" OVERLAP OF FABRIC AT JOINTS.



SILT FENCE DETAILS

REVISIONS:

DATE	BY	DESCRIPTION
06/24/20	GAB	DRAWN
	GAB	CHECKED
	C/L	REF
	EG	SURFACE
	FG	SURFACE

PROJECT LOCATION:  
POCAHONTAS ROAD  
MADISON COUNTY, MS  
CLIENT:  
MAGNOLIA MINING, LLC  
1331 LIVINGSTON VERNON ROAD, FLORA, MS 39071

PROJECT:  
POCAHONTAS MINE  
SHEET CONTENTS:  
EROSION CONTROL DETAILS