

AI 88740

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MSR32 8081

(NUMBER TO BE ASSIGNED BY STATE)

APPLICANT IS THE: ☐ OWNER ☒ OPERATOR

## OWNER CONTACT INFORMATION

OWNER CONTACT PERSON: GLEN E. HOWEOWNER COMPANY LEGAL NAME: N/AOWNER STREET OR P. O. BOX: 83 VIRGIL SMITH RD.OWNER CITY: LUMBERTON STATE: MS. ZIP: 39455OWNER PHONE #: (601) 928-2657 OWNER EMAIL: daar765@yahoo.com

## OPERATOR CONTACT INFORMATION

OPERATOR CONTACT PERSON: GLEN E. HOWEOPERATOR COMPANY LEGAL NAME: GEG GRAVEL, LLC.OPERATOR STREET OR P. O. BOX: 83 VIRGIL SMITH RD.OPERATOR CITY: LUMBERTON STATE: MS. ZIP: 39455OPERATOR PHONE #: (601) 928-2657 OPERATOR EMAIL: daar765@yahoo.com

## MINE INFORMATION

MINE NAME: GEG MINE

MINE SITE ADDRESS (If the physical address is not available, please indicate nearest named road.)

Street: VIRGIL SMITH RD.City: LUMBERTON State: MS. County: STONE Zip: 39455NE 1/4 OF SE 1/4 OF SECTION 30, TOWNSHIP 2S, RANGE 13WMINE SITE TRIBAL LAND ID (N/A If not applicable): N/AATTACH A USGS QUAD MAP, EXTENDING 1/2 MILE BEYOND FACILITY, OUTLINING THE MINE BOUNDARIES  
(Maps can be obtained from the Mississippi Office of Geology. For information call 601-961-5523).LATITUDE: 30 degrees 50 minutes 26.9 seconds N LONGITUDE: 89 degrees 19 minutes 41.3 seconds WLAT & LONG DATA SOURCE (GPS (Please GPS Entrance Gate) or Map Interpolation): GOOGLETOTAL ACREAGE: 37.6 MATERIAL TO BE MINED: CLAY GRAVELWILL HYDRAULIC DREDGING BE USED? ☐ YES ☒ NOWASHING OF SAND/GRAVEL? ☐ YES ☒ NO

ESTIMATED START DATE: 2025-06-01  
YYYY-MM-DD  
SIC CODE 144

ESTIMATED END DATE: 2040-06-01  
YYYY-MM-DD  
NAICS CODE 2123

### RECEIVING STREAM INFORMATION

|   |   |
|---|---|
| NEAREST NAMED RECEIVING STREAM: <u>KIRBY Creek</u>  |   |
| 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: <a href="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</a> ) | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| HAS A TMDL BEEN ESTABLISHED FOR THE RECEIVING STREAM SEGMENT?   | <input type="checkbox"/> YES <input checked="" type="checkbox"/> 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: _____             |
| _____  |
| _____  |

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

|   |
|---|
| DISTANCE BETWEEN RECIRCULATION POND(S) AND PROPERTY LINE: _____ (FT)<br>(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. NONE

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.

Gen E. Howe

Authorized Signature<sup>1</sup>

28 March 2025

Date

GEN E. HOWE

Printed Name

OPERATOR

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

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**COVERAGE NUMBER (MSR32 \_\_\_\_\_) INSPECTION YEAR \_\_\_\_\_**  
**SITE INSPECTION REPORT AND CERTIFICATION FORM**  
**MINING GENERAL PERMIT**



**Results of the inspection by ACT7 of this permit shall be recorded on this report form and in addition, copies of all completed forms shall be retained onsite or locally available. Inspections must be performed monthly and after a 2-year, 24-hour storm event (approx. 6-inches on Gulf Coast to 4-inches at MS/TN State Line). The coverage number must be listed at the top of all Site Inspection Report and Certification Forms.**

**COVERAGE RECIPIENT INFORMATION**

COMPANY NAME: \_\_\_\_\_ MINE NAME: \_\_\_\_\_  
MINE LOCATION: \_\_\_\_\_ GEOLOGY APPLICATION/PERMIT NO. \_\_\_\_\_  
NEAREST PROJECT CITY: \_\_\_\_\_ COUNTY: \_\_\_\_\_  
MAILING ADDRESS: \_\_\_\_\_  
MAILING CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_  
CONTACT PERSON: \_\_\_\_\_ CONTACT PHONE NUMBER: \_\_\_\_\_

**INSPECTION DOCUMENTATION**

| DATE<br>(mm/dd/yy) | TIME<br>(hh:mm AM/PM) | AFTER 2-YEAR, 24-<br>HOUR STORM EVENT?<br>(CHECK IF YES) | ANY DEFICIENCIES?<br>(CHECK IF YES) | INSPECTOR(S) |
|--------------------|-----------------------|--|-------------------------------------|--------------|
|                    |                       | <input type="checkbox"/>                                 | <input type="checkbox"/>            |              |
|                    |                       | <input type="checkbox"/>                                 | <input type="checkbox"/>            |              |
|                    |                       | <input type="checkbox"/>                                 | <input type="checkbox"/>            |              |
|                    |                       | <input type="checkbox"/>                                 | <input type="checkbox"/>            |              |
|                    |                       | <input type="checkbox"/>                                 | <input type="checkbox"/>            |              |
|                    |                       | <input type="checkbox"/>                                 | <input type="checkbox"/>            |              |
|                    |                       | <input type="checkbox"/>                                 | <input type="checkbox"/>            |              |
|                    |                       | <input type="checkbox"/>                                 | <input type="checkbox"/>            |              |
|                    |                       | <input type="checkbox"/>                                 | <input type="checkbox"/>            |              |
|                    |                       | <input type="checkbox"/>                                 | <input type="checkbox"/>            |              |
|                    |                       | <input type="checkbox"/>                                 | <input type="checkbox"/>            |              |
|                    |                       | <input type="checkbox"/>                                 | <input type="checkbox"/>            |              |
|                    |                       | <input type="checkbox"/>                                 | <input type="checkbox"/>            |              |
|                    |                       | <input type="checkbox"/>                                 | <input type="checkbox"/>            |              |

Deficiencies Noted During any Inspection (give date(s); attach additional sheets if necessary): \_\_\_\_\_

Corrective Action Taken or Planned (give date(s); attach additional sheets if necessary): \_\_\_\_\_

Based upon this inspection which I or personnel under my direct supervision conducted, I certify that all erosion and sediment controls have been implemented and maintained, except for those deficiencies noted above, in accordance with the Storm Water Pollution Prevention Plan filed with the Office of Pollution Control and sound engineering practices as required by the above referenced permit. I further certify that the MNOI and SWPPP information on file with MDEQ is up to date.

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 gather and evaluate the information submitted. Based on my inquiry of the person or persons 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 fines and imprisonment for knowing violations.

Authorized Signature \_\_\_\_\_

Date \_\_\_\_\_

Printed Name \_\_\_\_\_

Title \_\_\_\_\_

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# MAJOR MODIFICATION FORM FOR MINING GENERAL PERMIT

Coverage No. MSR32 \_\_\_\_\_ County \_\_\_\_\_



## INSTRUCTIONS

Coverage recipients shall notify the Mississippi Department of Environmental Quality of plans to expand the acreage or "footprint" of an existing mining activity or modify the existing mining operation. This form must be submitted when (check all that apply):

- ☐ SWPPP details have been developed and are ready for MDEQ review for subsequent phases of an existing, covered mining activity
- ☐ "Footprint" identified in the original MNOI is proposed to be enlarged (a modified SWPPP and an updated USGS topographic map must be submitted)
- ☐ Mine dewatering is proposed ☐ Mine dewatering has been discontinued
- ☐ Closed loop wash operations are proposed ☐ Closed loop wash operations have been discontinued

This form must be signed by the original coverage recipient under Mississippi's Mining General Permit. A different operator must have general permit coverage transferred prior to coverage being modified. Coverage recipients are authorized to discharge storm water associated with proposed expansions of dewater pits or operate a recirculation system with no discharge, under the conditions of the General Permit, only upon receipt of written notification of approval by the MDEQ. If mining activities change which will incorporate a hydraulic dredging operation or a discharge of process wastewaters to State waters additional permitting actions shall be required.

## COVERAGE RECIPIENT INFORMATION

COVERAGE RECIPIENT CONTACT PERSON: \_\_\_\_\_

COMPANY NAME: \_\_\_\_\_

STREET OR P.O. BOX: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

PHONE NUMBER : \_\_\_\_\_ EMAIL ADDRESS: \_\_\_\_\_

## PROJECT INFORMATION

FORMER ACREAGE: \_\_\_\_\_ ADDITIONAL ACREAGE TO BE DISTURBED: \_\_\_\_\_

TOTAL ACREAGE: \_\_\_\_\_ MINE NAME: \_\_\_\_\_

GEOLOGY APPLICATION/PERMIT NO. \_\_\_\_\_ CITY: \_\_\_\_\_ COUNTY: \_\_\_\_\_

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.

Signature (must be signed by coverage recipient)

Date

Printed Name

Title

Please submit this form to:

Chief, Environmental Permits Division  
MS Department of Environmental Quality, Office of Pollution Control  
P.O. Box 2261  
Jackson, Mississippi 39225

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# Environmental Permits for Industrial Facilities

## Request for Transfer of Permit, General Permit Coverage and/or Name Change

Instructions: For Ownership Change-Complete all Items on Page 1 (except Item VIII) and Page 2 (reverse side).

For Name Change Only-Complete Items I, II, V, VI, VII, VIII, and Page 2 (reverse side).

Note-This form should be submitted to MDEQ when a transferal date is finalized but prior to the actual transfer.

|  |   |  |   |  |   |                |                |               |               |
|--|---|--|---|--|---|----------------|----------------|---------------|---------------|
| <b>Item I.</b><br><br>Facility Name: _____<br><br>Location: (Do Not Use P.O. Box)<br>Street: _____<br>City: _____ State: <u>MS</u> Zip: _____<br>County: _____<br>Telephone: _____   | <b>Item II.</b><br><br>Responsible official after transfer or name change:<br>Name: _____<br>Title: _____<br>Mailing Address:<br>Street/P.O. Box: _____<br>City: _____ State: _____ Zip: _____<br>Telephone: _____    |  |   |  |   |                |                |               |               |
| <b>Item III.</b><br><br>Previous Permittee <sup>1</sup> : _____<br>Mailing Address:<br>Street/P.O. Box: _____<br>City: _____ State: _____ Zip: _____<br>Telephone: _____   | <b>Item IV.</b><br><br>New Permittee <sup>1</sup> : _____<br>Mailing Address:<br>Street/P.O. Box: _____<br>City: _____ State: _____ Zip: _____<br>Telephone: _____  |  |   |  |   |                |                |               |               |
| <b>Item V.</b><br>Industrial Activity      SIC Code: _____<br><br>Brief Description: _____   | <b>Item VI.</b><br><br>Will Facility Operations Change?    Yes <input type="checkbox"/> No <input type="checkbox"/><br><br>If yes, the appropriate applications and permits may require modification prior to change. |  |   |  |   |                |                |               |               |
| <b>Item VII.</b><br><br>Will Facility Name Change?    Yes <input type="checkbox"/> No <input type="checkbox"/><br><br>If Yes, Provide New Name for Permit Coverage.<br>New Name: _____   | <b>Item VIII.</b><br><br>Signature for Name Change<br>Print Name: _____<br>Authorized Signature <sup>2</sup> : _____<br>Title: _____      Date: _____   |  |   |  |   |                |                |               |               |
| <b>Item IX.</b><br>We the undersigned request transfer of permit(s) and/or permit coverage(s) listed on the backside of this form.<br><br>From: _____<br>To: _____      Acquisition Date: _____<br><br>By signature below, the recipient certifies that: 1) they are aware of the requirements of the permit(s), 2) the applicant can demonstrate to the Permit Board it has the financial resources and operational expertise and 3) agrees to accept responsibility and liability for the permit(s) listed on the back of this document. By signature below, the previous permittee is requesting that the permit(s) and/or permit coverage(s) be transferred to the recipient. The transfer of the permit(s) or permit coverage(s) will be by written notification from the Office of Pollution Control (OPC). The OPC may require submittal of information regarding financial capability and past compliance history of the recipient.<br><br><table style="width: 100%;"> <tr> <td style="width: 50%;">           _____<br/>           Print New Permittee<sup>1</sup> Name         </td> <td style="width: 50%;">           _____<br/>           Print Previous Permittee<sup>1</sup> Name         </td> </tr> <tr> <td>           _____<br/>           New Authorized Signature<sup>2</sup> </td> <td>           _____<br/>           Previous Authorized Signature<sup>2</sup> </td> </tr> <tr> <td>           _____<br/>           Title         </td> <td>           _____<br/>           Title         </td> </tr> <tr> <td>           _____<br/>           Date         </td> <td>           _____<br/>           Date         </td> </tr> </table> |   | _____<br>Print New Permittee <sup>1</sup> Name | _____<br>Print Previous Permittee <sup>1</sup> Name | _____<br>New Authorized Signature <sup>2</sup> | _____<br>Previous Authorized Signature <sup>2</sup> | _____<br>Title | _____<br>Title | _____<br>Date | _____<br>Date |
| _____<br>Print New Permittee <sup>1</sup> Name   | _____<br>Print Previous Permittee <sup>1</sup> Name   |  |   |  |   |                |                |               |               |
| _____<br>New Authorized Signature <sup>2</sup>   | _____<br>Previous Authorized Signature <sup>2</sup>   |  |   |  |   |                |                |               |               |
| _____<br>Title   | _____<br>Title  |  |   |  |   |                |                |               |               |
| _____<br>Date  | _____<br>Date   |  |   |  |   |                |                |               |               |

<sup>1</sup>A Permittee is a company or individual that has been issued an individual permit or coverage under a general permit.

<sup>2</sup>Authorized Signature must be owner or in the case of a corporation, a corporate officer as defined in Regulations APC-S-2 and WPC-1.

**Mississippi Department of Environmental Quality/Office of Pollution Control**  
**P.O. Box 2261**  
**Jackson, Mississippi 39225**  
**(601) 961-5171**

|   |  |
|---|--|
| <p><b>Item X. Storm Water</b></p> <p>(Check One)</p> <p><input type="checkbox"/> A Storm Water Pollution Prevention Plan (SWPPP) is not required for the site.</p> <p><input type="checkbox"/> The recipient certifies that they have received a copy of the Office of Pollution Control approved SWPPP from the original owner.</p> <p><input type="checkbox"/> The recipient is submitting a new SWPPP, which is attached to this form.</p> <p><input type="checkbox"/> A copy of the SWPPP cannot be obtained from the original owner.</p> | <p><b>Item XI. Hazardous Waste ID Number</b></p> <p>EPA ID No. _____</p> <p>(Check One)</p> <p><input type="checkbox"/> An EPA Hazardous Waste ID Number is not required for the site.</p> <p><input type="checkbox"/> The site's EPA ID Number is listed above and a Notification of Regulated Waste Activity Form is attached.</p> |
| <p><b>Item XII. Permit(s) and/or Coverage(s) to be Transferred</b></p>  |  |
| <p>Permit Type: _____</p> <p>Permit/Coverage No.: _____</p> <p>Permit Issuance Date: _____</p> <p>Date of General Permit Coverage: _____</p> <p>Permit Expiration Date: _____</p>   | <p>Permit Type: _____</p> <p>Permit/Coverage No.: _____</p> <p>Permit Issuance Date: _____</p> <p>Date of General Permit Coverage: _____</p> <p>Permit Expiration Date: _____</p>  |
| <p>Permit Type: _____</p> <p>Permit/Coverage No.: _____</p> <p>Permit Issuance Date: _____</p> <p>Date of General Permit Coverage: _____</p> <p>Permit Expiration Date: _____</p>   | <p>Permit Type: _____</p> <p>Permit/Coverage No.: _____</p> <p>Permit Issuance Date: _____</p> <p>Date of General Permit Coverage: _____</p> <p>Permit Expiration Date: _____</p>  |
| <p>Permit Type: _____</p> <p>Permit/Coverage No.: _____</p> <p>Permit Issuance Date: _____</p> <p>Date of General Permit Coverage: _____</p> <p>Permit Expiration Date: _____</p>   | <p>Permit Type: _____</p> <p>Permit/Coverage No.: _____</p> <p>Permit Issuance Date: _____</p> <p>Date of General Permit Coverage: _____</p> <p>Permit Expiration Date: _____</p>  |
| <p>Permit Type: _____</p> <p>Permit/Coverage No.: _____</p> <p>Permit Issuance Date: _____</p> <p>Date of General Permit Coverage: _____</p> <p>Permit Expiration Date: _____</p>   | <p><b>OTHER INFORMATION:</b></p><br><br><br><br>   |

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# Request for Termination (RFT) of Coverage

Mining General NPDES Permit No. MSR32 \_\_\_\_\_ County \_\_\_\_\_  
(Fill in your Certificate of Coverage Number and County)



Use this form to request coverage termination only after mining activities have permanently stopped and permanent erosion and sediment controls are successfully established. Inspections must continue until the coverage recipient receives written notice of coverage termination by MDEQ.

Please check which of the following apply:

- ☐ Non-Exempt Mining Operation (copy of Permit Board Order, authorizing 90% or final release of mining performance bond attached)
- ☐ Exempt Mining Operation (as defined in MDEQ's Mississippi Surface Mining and Reclamation Rules and Regulations)

(Please Print or Type)

Facility Name: \_\_\_\_\_ Closure Date: \_\_\_\_\_

Physical Site Street Address (if not available, indicate nearest named road): \_\_\_\_\_

City: \_\_\_\_\_ County: \_\_\_\_\_

Landowner Company Name: \_\_\_\_\_

Landowner Company Contact Name and Position: \_\_\_\_\_

Street Address / P.O. Box: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Tel. # (\_\_\_\_\_) \_\_\_\_\_

Operator Company Name (if different than owner): \_\_\_\_\_

Operator Contact Name and Position: \_\_\_\_\_

Street/ Address / P.O. Box: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Tel. # (\_\_\_\_\_) \_\_\_\_\_

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 fines and imprisonment for knowing violations. I understand that by submitting this Request for Termination and receiving written confirmation, I will no longer be authorized to discharge storm water associated with industrial activity under this general permit. Discharging pollutants in storm water associated with industrial activity to waters of the United States is unlawful under the Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this Request for Termination does not release an owner or operator from liability for any violations of this permit or the Clean Water Act.

Authorized Name (Print) \_\_\_\_\_ Telephone \_\_\_\_\_ Signature \_\_\_\_\_ Date Signed \_\_\_\_\_

<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 principal executive officer, mayor, or ranking elected official.

After signing please mail to: Environmental Permits Division, Office of Pollution Control  
P.O. Box 2261  
Jackson, MS 39225

Revision: 2/16/2018

**MINING SWPPP NARRATIVE**

# Narrative of Mining Storm Water Prevention Plan for

G & G Gravel Mine

## Project Description

This is a new gravel mine. The material has tested at Class 4,b and the demand for high quality, low PI clay gravel is high. The limits of activity is separated into 2 phases and each phase will have one detention pond. The owner of the property is also the operator.

## Adjacent Property

The adjacent properties consist of fields and woods. The owner owns 2 sides of the property.

## Planned Erosion, Sediment, and Storm water Control Practices

1. Silt Fence - Place silt fence at the bottom of any slope steeper than 5:1 and around the perimeter of the site. Replace at 50% capacity before overtopping occurs.
2. Permanent Seeding - Establish a permanent grass in all disturbed areas. These areas may be seeded or sodded. Cover cannot be certified until after a minimum of 6 weeks of establishment and at least 1/2" of rainfall has occurred.
4. **Special Provision** – Temporary seeding must be initiated immediately whenever any clearing, grading, excavating or other land disturbing activities have been left undisturbed 14 of more days.
5. Construction Entrance – provide riprap washout for vehicles to have tires cleaned before entering roadways leaving site.
6. Detention Basins – Designed as construction storm water silt ponds and converted into post construction permanent retention basins.
7. All areas near waters of the state shall maintain a minimum of a 50 foot buffer. In areas where said 50 foot buffer cannot be maintained, special additional controls are required. These areas will have a double row of silt fence with 8 feet separation in front of a woody debris wind-row laid solid.



## Good Housekeeping Practices

1. Vehicles entering the roadway shall be washed down ( if muddy) prior to entering the roadway. The vehicle will past over a limestone ( 10 lbs riprap) bed and be washed down of the major portion of mud. Where sediment has been tracked-out from the site onto paved roads, sidewalks, or other paved areas outside the site, remove deposited sediment "immediately" by the end of the next work day. Remove the track-out by sweeping, shoveling, or vacuuming these surfaces, or by similarly effective means of sediment removal.
2. Equipment maintenance and repairs shall only be performed on upland areas with a 12" dirt berm installed around the perimeter of the work area. Proper chemicals shall be on hand to be placed on fluid spills in accordance with manufacturers recommendations. All contaminated soil shall be loaded and properly disposed of in a certified landfill accepting hazardous material.
3. Waste receptacles shall be placed where the work is being performed and shall move with the work. The contractor shall not let a full container stand for more than 48 hours before changing out or 7 days, whichever comes first.
4. Pota-lets shall be made available and used.

## Implementation Sequence

Construct the construction entrance protection.

Install all perimeter silt fence.

Install detention basins and protect.

Install all ditches and pipes and protect.

Complete site clearing and grass disturbed areas.

Construct haul roads.

Make sure all temporary controls are in-place immediately following site clearing.

Topsoil all disturbed areas and establish permanent grass or pave.

After site is stabilized, remove all temporary controls and implement all permanent sedimentation controls.

Weekly inspection reports should be made and submitted at the end of the project by the responsible party.

### Short Term Maintenance Plan

1. Check all controls after all rainfall events and at least once a week.
2. Any poorly functioning erosion controls or sediment controls, non-compliant discharges, or any other deficiencies observed during the inspections required under this permit shall be corrected as soon as possible, but not to exceed 24 hours of the inspection unless prevented by unsafe weather conditions as documented on the inspection form
3. Sediment will be removed from structure BMPs when it has reached 1/3 to 1/2 height of the control and 50% capacity of sediment basin.
4. Re-fertilize and reseed all exposed areas as needed.
5. Inspections as required by the general permit. Inspections are required for the entire project weekly with a minimum of 4 and after rainfall events that produce a discharge.
6. FINAL STABILIZATION means that either: (1) All soil disturbing activities at the site have been completed, and that a uniform perennial vegetative cover with a density of at least 70% for the area has been established or equivalent measures (e.g., concrete or asphalt paving, rip rap, etc.) have been employed; or (2) For individual lots part of a larger common plan of development or sale in residential or commercial developments, that either: (A) The coverage recipient has completed final stabilization as specified in (1) above, or (B) The coverage recipient has established temporary stabilization before another property owner assumes operational control for the property AND the coverage recipient for the larger common plan of development has provided the appropriate Notice of Intent or Registration form, the appropriate Construction General Permit, and guidance documents to the new property owner and the new owner assumes control by completing the appropriate NOI or Registration Form.

### Long Term Maintenance Plan

1. Maintain or restore all vegetated areas to provide good ground cover.

2. The Owner will inspect the site periodically to check for maintenance issues.
3. During the construction phase, the Operator/Owner shall be the responsible party to make sure this plan is executed correctly.
4. Should the owner lease, sub-lease or sell all or a portion of the property, the owner shall assign responsibility to the new party in written form. A copy of said form shall be sent to the Office of Pollution Control for concurrence.
5. Post construction measures will be the detention ponds.
6. All records shall be kept for a period of 3 years from completion.

### Staff Training Requirements per ACT5 of General Permit

T-20 STAFF TRAINING REQUIREMENTS Each operator, or group of multiple operators, must assemble a "stormwater team" to carry out compliance activities associated with the requirements in this permit Prior to the commencement of construction activities, the permittee must ensure that the following personnel on the stormwater team understand the requirements of this permit and their specific responsibilities with respect to those requirements: (1) Personnel who are responsible for the design, installation, maintenance, and/or repair of stormwater controls (including pollution prevention controls); (2) Personnel responsible for the application and storage of treatment chemicals (if applicable) (3) Personnel who are responsible for conducting inspections as required in ACT6, S-5; and (4) Personnel who are responsible for taking corrective actions as required in ACT6, S-2. The permittee is responsible for ensuring that all activities on the site comply with the requirements of this permit. The permittee is not required to provide or document formal training for subcontractors or other outside service providers, but the permittee must ensure that such personnel understand any requirements of this permit that may be affected by the work they are subcontracted to perform. At a minimum, members of the stormwater team must be trained to understand the following if related to the scope of their job duties (e.g., only personnel responsible for conducting inspections need to understand how to conduct inspections): The permit deadlines associated with installation, maintenance, and removal of stormwater controls and with stabilization; Large Construction Storm Water General Permit ACT5 (continued): Page 23 of 45 Narrative Requirements: Condition No. Condition The location of all stormwater controls on the site required by this permit and how they are to be maintained; The proper procedures to follow with respect to the permit's pollution prevention requirements; and When and how to conduct inspections, record applicable findings, and take corrective actions. Each member of the stormwater team must have easy access to an electronic or paper copy of applicable portions of this permit, the most



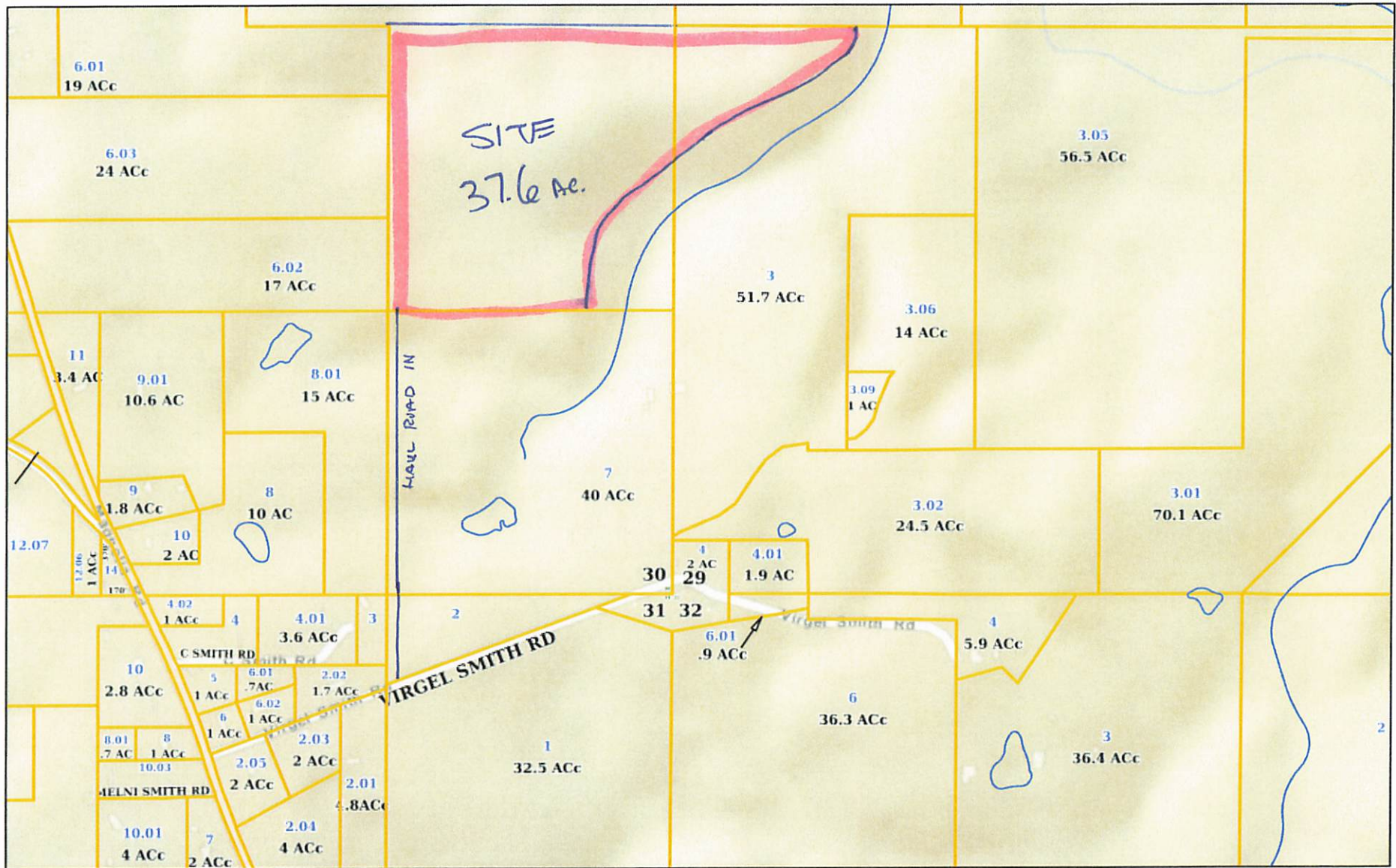
updated copy of the SWPPP, and other relevant documents or information that must be kept with the SWPPP.

T-21 STAFF TRAINING DOCUMENTATION Staff Training conducted to meet the requirements of this ACT shall be documented. Training records shall include employee's name, date of training, brief content/nature of training, and the employee's signature acknowledging training was received. Staff training associated with this permit may be documented on the Employee Training Log that is provided on the MDEQ website at [www.mdeq.ms.gov/construction-stormwater/](http://www.mdeq.ms.gov/construction-stormwater/). The permittee may use an alternative form to record this information, so long as it includes all of the information on the above referenced form. Employee training documentation shall be maintained on-site with the SWPPP and made available to MDEQ personnel for inspection upon request.

END

## MAPS

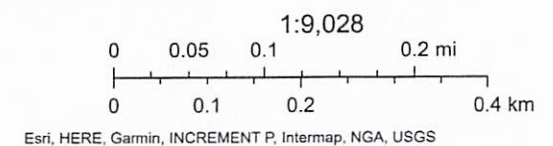
## Stone MS



3/27/2025, 2:55:59 PM

World\_Street\_Map — Leaders  
County Line — Parcels  
Water — stone\_ms\_water

```
stone_ms_twprng      stone_ms_parno      stone_ms_citylim
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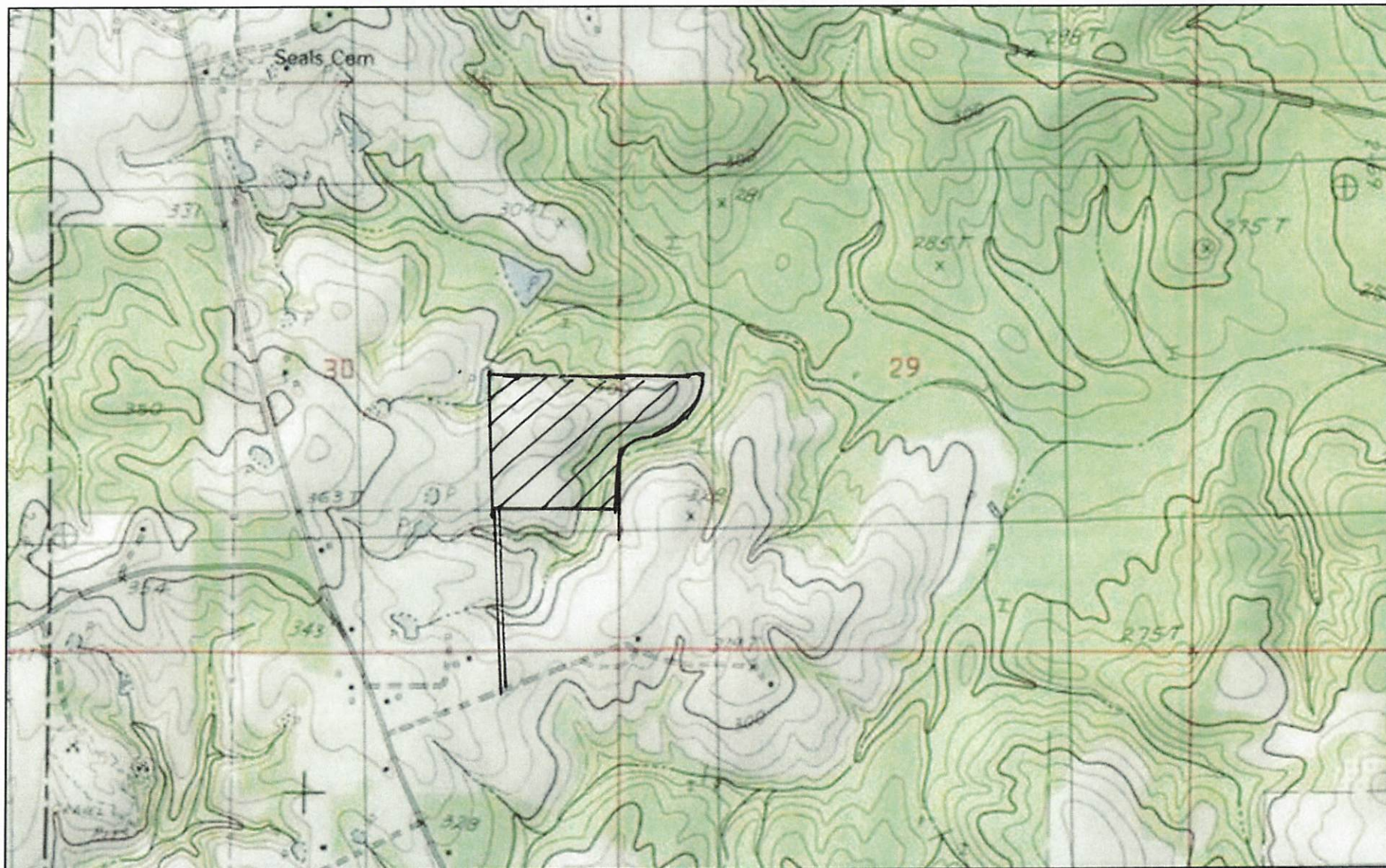
Water stone\_ms\_water stone\_ms\_roadname stone\_ms\_dim Stone MS

Esri, HERE, Garmin, INCREMENT P, Intermap, NGA, USGS | MS Standing Joint Legislative Committee on Reapportionment, US Census Bureau, MARIS | U.S. Department of Commerce, U.S. Census Bureau, Geography Division, Spatial Data Collection and Products



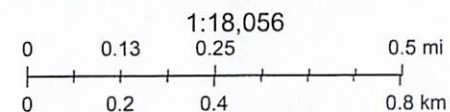
# BROWNS LAKE QUAD

## ArcGIS Web Map



3/27/2025, 10:29:25 AM

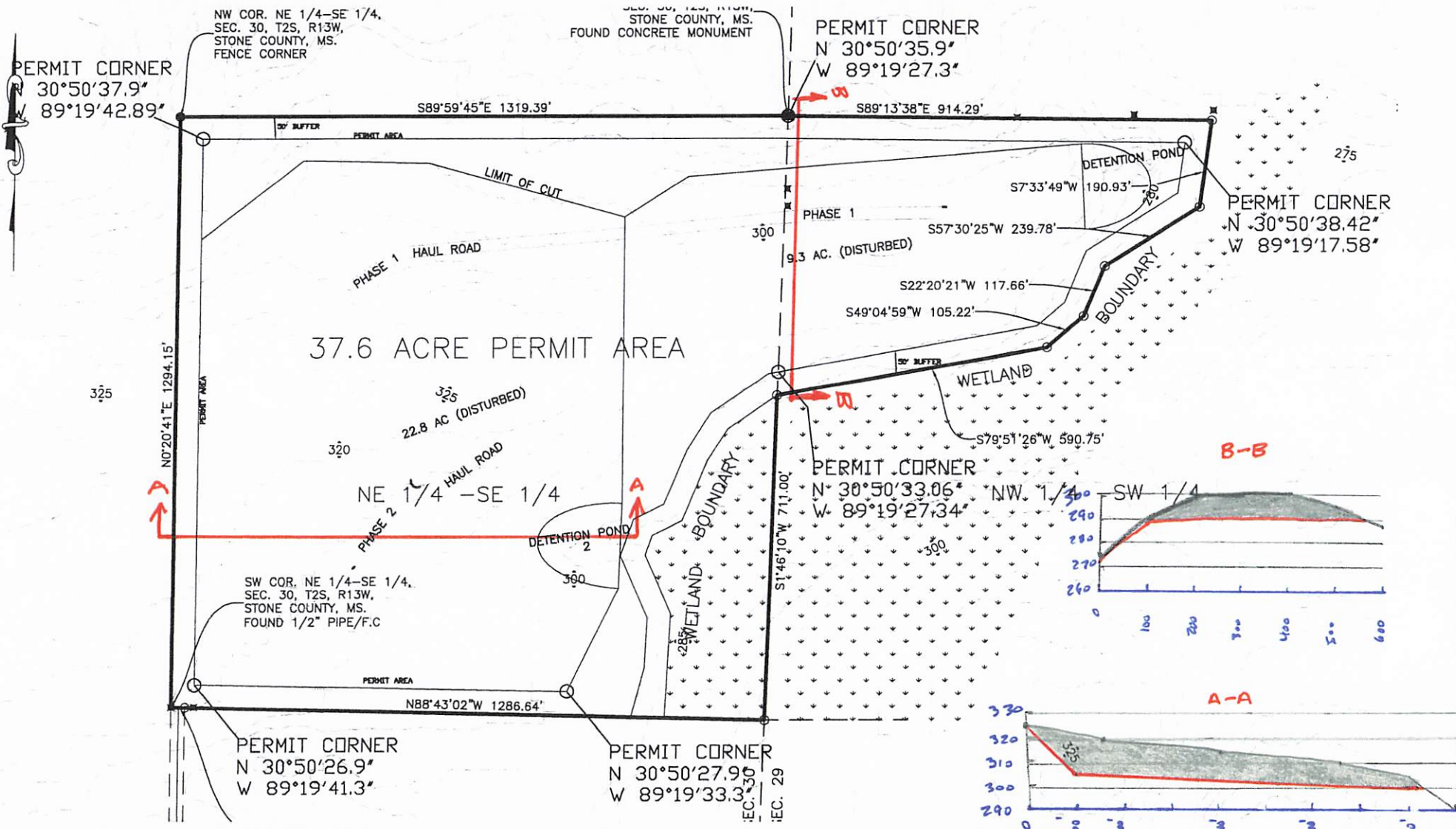
Override 1



Copyright:© 2013 National Geographic Society, i-cubed

ArcGIS Web AppBuilder  
Copyright:© 2013 National Geographic Society, i-cubed |

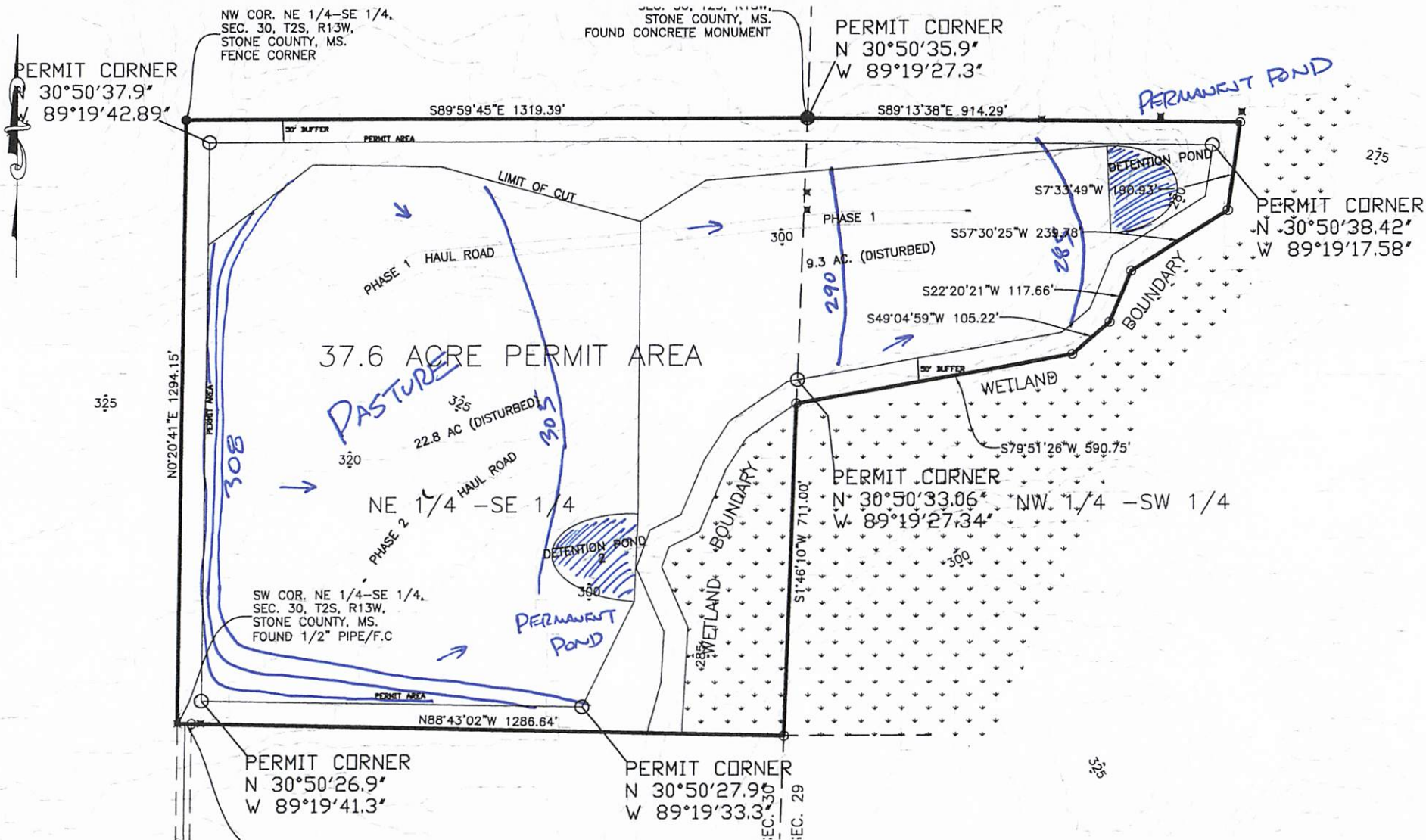




|  |   |   |  |   |  |  |  |   |
|--|---|---|--|---|--|--|--|---|
|  | <b>O'NEAL-BOND ENGINEERING, INC.</b><br>P.O. Box 369, Wiggins, MS 39577<br>312 Mill Avenue, Wiggins, MS 39577<br>(501) 928-7390<br>www.onealbondeng.com | <b>NOTES</b><br>1. ALL SURVEYING MUST BE DONE IN ACCORDANCE WITH THE SURVEYING ACT OF 1968, MISSISSIPPI.<br>2. THIS PLAN IS THE PROPERTY OF O'NEAL-BOND ENGINEERING, INC. AND IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF O'NEAL-BOND ENGINEERING, INC.<br>3. NO ASSURANCE OF TITLE OR ANY OTHER MATTER IS MADE BY THIS SURVEY.<br>4. NO ASSURANCE OF TITLE OR ANY OTHER MATTER IS MADE BY THIS SURVEY.<br>5. NO ASSURANCE OF TITLE OR ANY OTHER MATTER IS MADE BY THIS SURVEY. | <b>LEGEND</b><br>-FOUNDED CONCRETE MONUMENT<br>-FOUNDED LIGHT WOOD STAKE<br>-FOUNDED P.C. MARK<br>-SET 1/2" IR-500 (UNLESS OTHERWISE NOTED OR DESCRIBED)<br>-FOUNDED 1/2" IR-500 (UNLESS OTHERWISE NOTED OR DESCRIBED)<br>-NO CORNER SET OR FOUND<br>-POWER POLE OR UTILITY POLE | <b>G&amp;G GRAVEL MINE</b><br>STONE COUNTY, MS. | <b>REFERENCE MATERIALS</b><br>A) STONE COUNTY OWNERSHIP MAP.<br>B) SURVEY DEED, SURVEY UNIT, BOOK _____ PAGE _____ | <b>RECORDS</b><br>NE 1/4 OF THE SE 1/4 OF SECTION 30, TOWNSHIP 2 SOUTH, RANGE 13 WEST, STONE COUNTY, MISSISSIPPI | <b>DRAWING INFORMATION</b><br>OBEI PROJECT NO.: 20004<br>FILENAME: 20004 060 GRAVEL<br>SURVEYED: 1/2004<br>DRAIN BY T.L. DATE: 1/1/2004<br>CHECKED BY: J.B. DATE: 1/1/2004 | <b>CLASS "D" SURVEY</b><br>SHEET TITLE: SURVEY PLAT<br>SHEET NUMBER: 1 OF 1 |
|--|---|---|--|---|--|--|--|---|

# POST RECLAMATION PASTURE

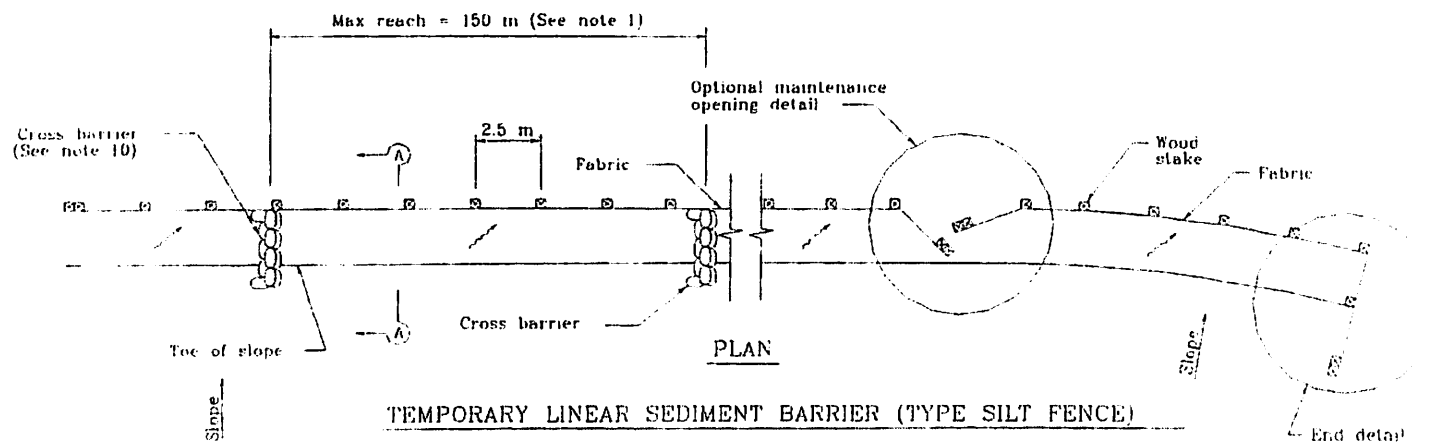
MAP #6



## DETAILS

# Silt Fence

SC-1



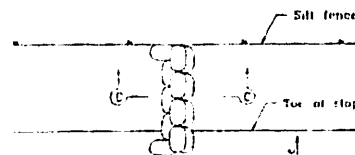
TEMPORARY LINEAR SEDIMENT BARRIER (TYPE SILT FENCE)

## NOTES

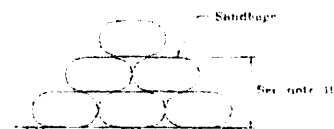
1. Construct the length of each reach so that the change in base elevation along the reach does not exceed 1/3 the height of the linear barrier. In no case shall the reach length exceed 150m.
2. The last 2.5 m of fence shall be turned up slope.
3. Stake dimensions are nominal.
4. Dimension may vary to fit field condition.
5. Stakes shall be spaced at 2.5 m maximum and shall be positioned on downstream side of fence.
6. Stakes to overlap and fence fabric to fold around each stake one full turn. Secure fabric to stake with 4 staples.
7. Stakes shall be driven tightly together to prevent potential flow-through of sediment at joint. The tops of the stakes shall be secured with wire.
8. For end stake, fence fabric shall be folded around two stakes one full turn and secured with 4 staples.
9. Minimum 4 staples per stake. Dimensions shown are typical.
10. Cross barriers shall be a minimum of 1/3 and a maximum of 1/2 the height of the linear barrier.
11. Maintenance openings shall be constructed in a manner to ensure sediment remains behind silt fence.
12. Joining sections shall not be placed at sump locations.
13. Sandbag rows and layers shall be offset to eliminate gaps.

## LEGEND

- Tamped backfill
- Slope direction
- Direction of flow



CROSS BARRIER DETAIL



SECTION C-C

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
TEMPORARY LINEAR SEDIMENT BARRIER  
(TYPE SILT FENCE)

NO SCALE

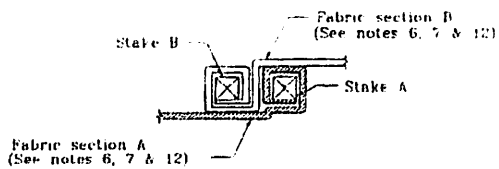
ALL DIMENSIONS ARE IN  
MILLIMETERS UNLESS OTHERWISE SHOWN



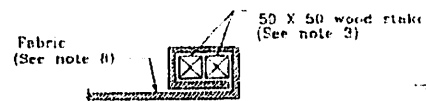


# Silt Fence

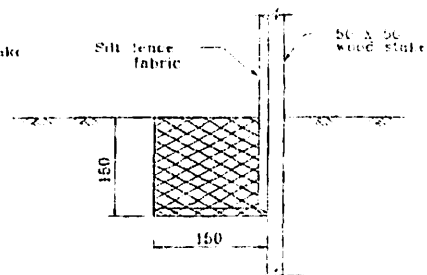
SC-1



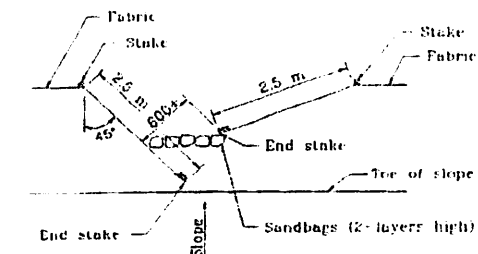
JOINING SECTION DETAIL (TOP VIEW)



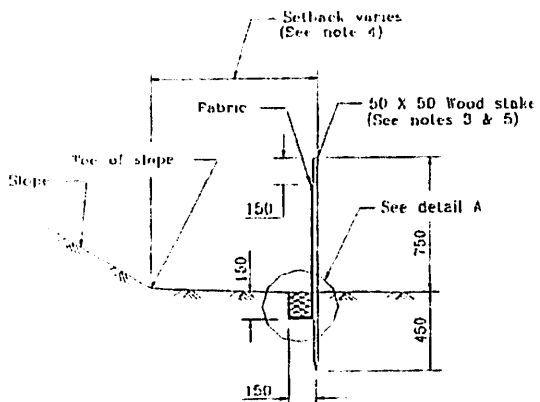
END STAKE DETAIL (TOP VIEW)



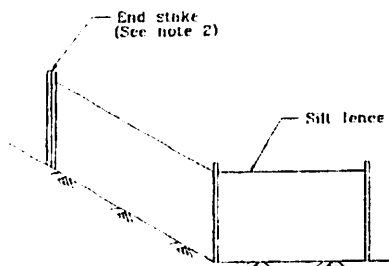
DETAIL A



OPTIONAL MAINTENANCE OPENING DETAIL  
(SEE NOTE 11)



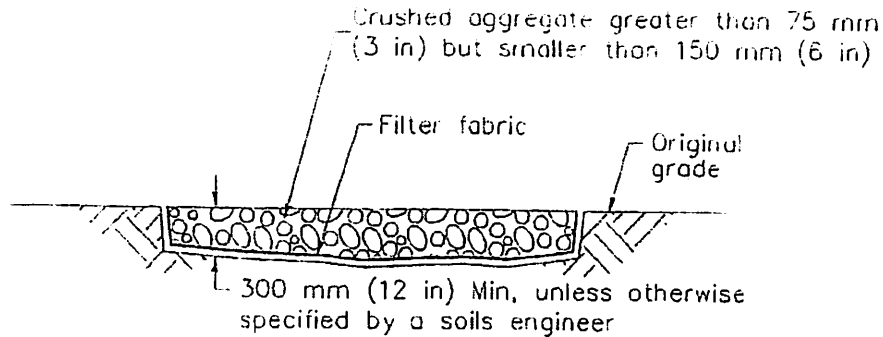
SECTION A-A



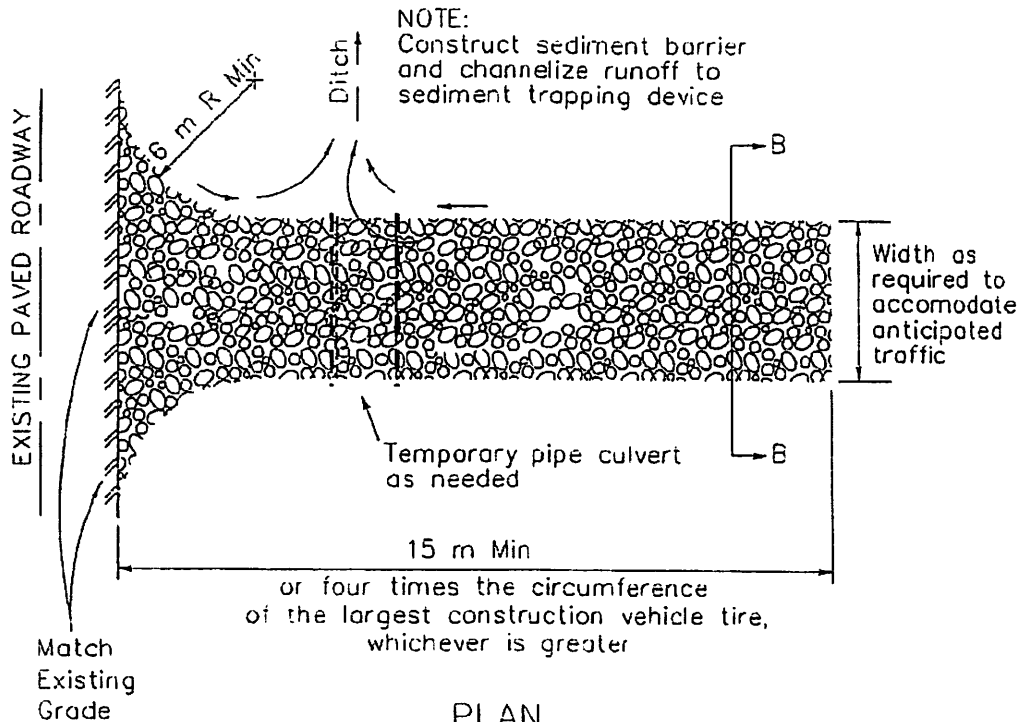
END DETAIL



# Stabilized Construction Entrance/Exit TC-1



SECTION B-B  
NTS

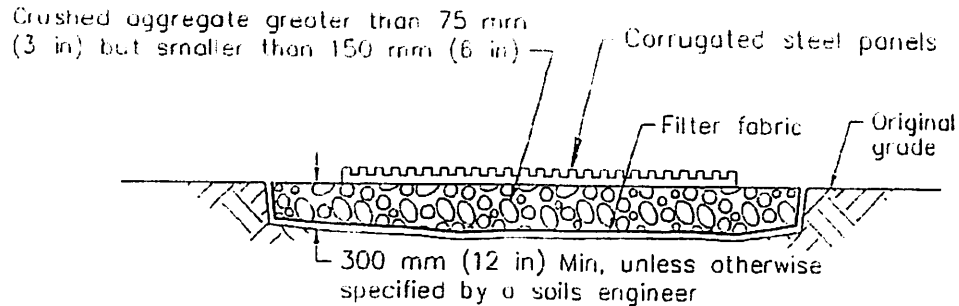


PLAN  
NTS

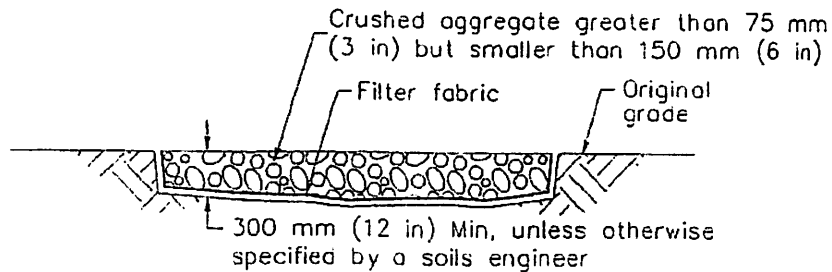
Stabilized Construction Entrance/Exit (Type 1)

# Entrance/Outlet Tire Wash

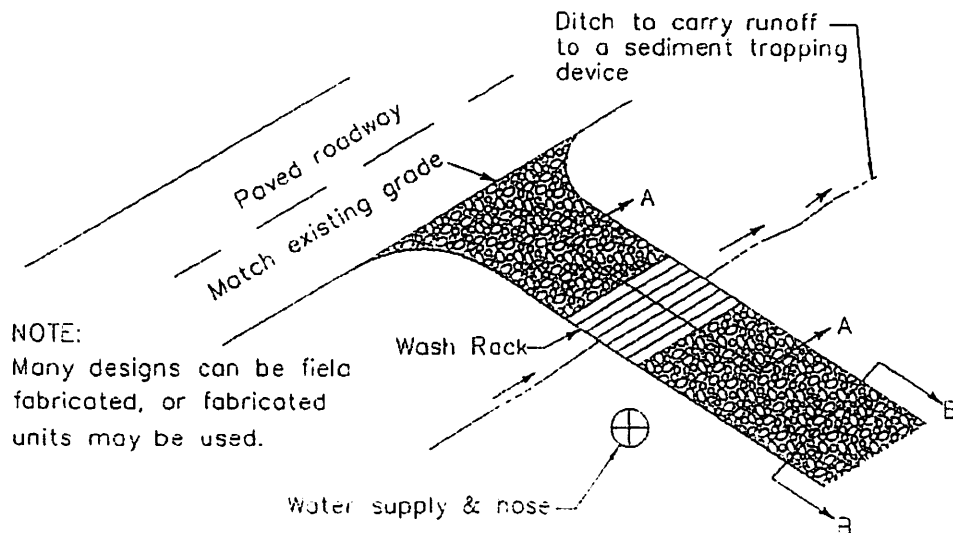
TC-3



SECTION A-A  
NOT TO SCALE

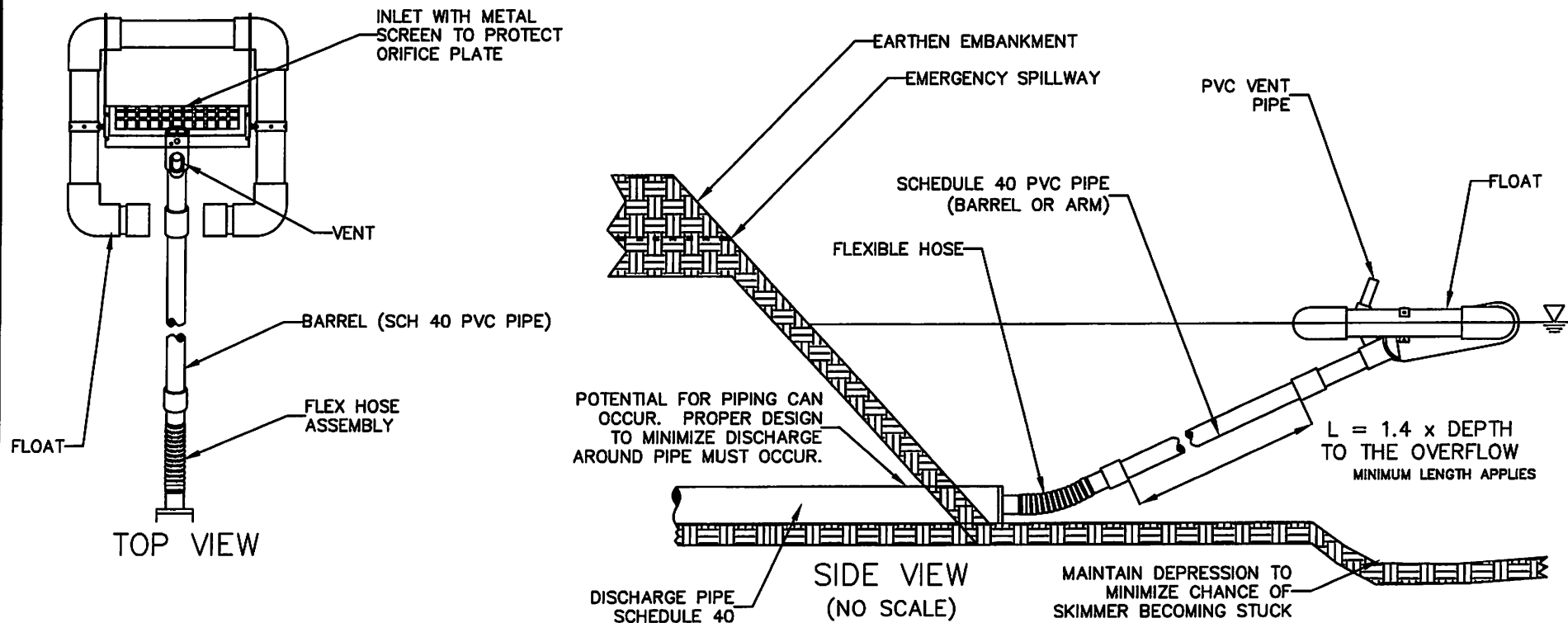


SECTION B-B  
NTS



TYPICAL TIRE WASH  
NOT TO SCALE





| Name      | Skimmer Size | Orifice Dia. | Orifice RAD | Required Basin Volume | Days to Drain |
|-----------|--------------|--------------|-------------|-----------------------|---------------|
| phase one | 4"           | 2 15/16"     | 1 1/2"      | 33480                 | 3             |

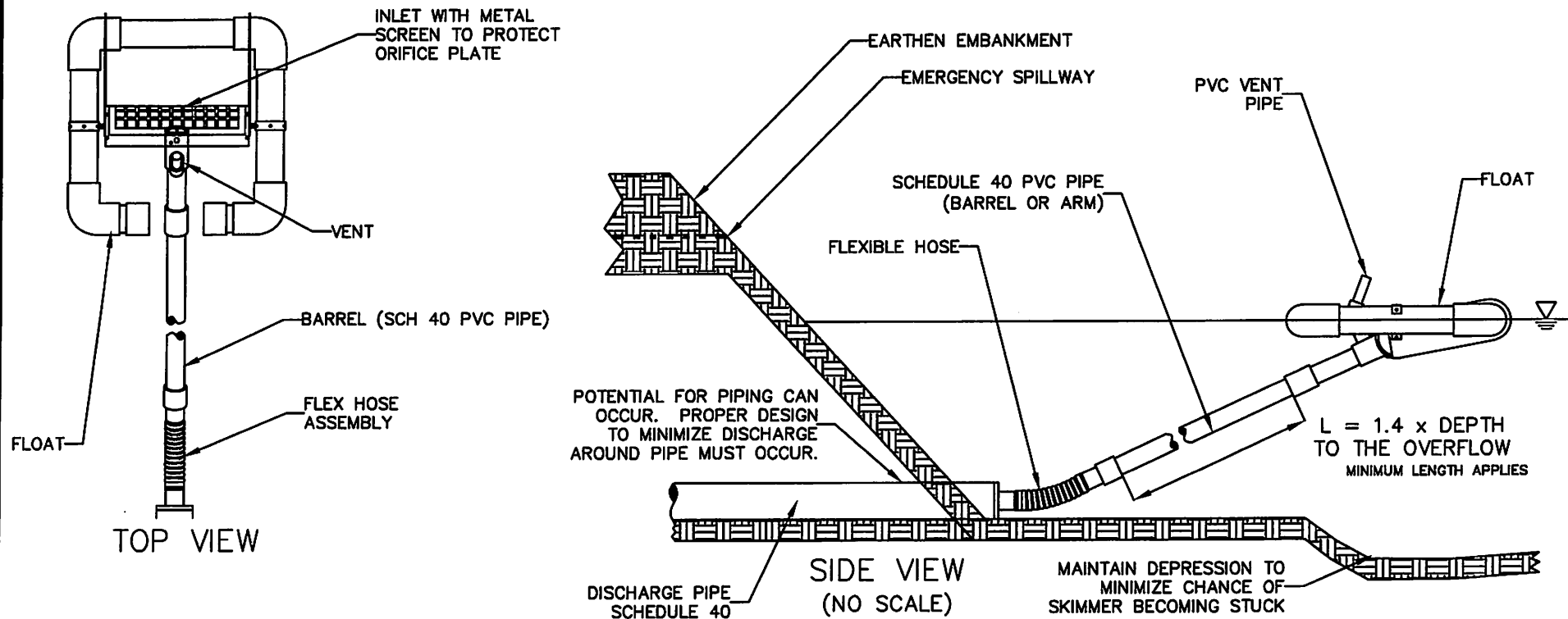
#### GENERAL NOTES:

1. FAIRCLOTH SKIMMER® FLOW RATES WERE USED AS THE BASIS OF DESIGN WHEN DETERMINING DRAINAGE CALCULATIONS. UTILIZING A PRODUCT FROM AN ALTERNATIVE MANUFACTURER WILL CREATE A SIGNIFICANT DEVIATION TO THE DESIGN AND MUST BE APPROVED AND RECALCULATED BY THE DESIGN ENGINEER.
2. PROPER ORIFICE OPENING MUST BE SELECTED TO ENSURE POND DRAINS IN CORRECT AMOUNT OF TIME. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE.
3. BARREL PIPE SHOULD BE 1.4 X DEPTH OF THE BASIN TO ENSURE PROPER FUNCTION.

DRAWN BY T. R. EVANS 08/24

FAIRCLOTH SKIMMER® DISCHARGE SYSTEM WITH EMBANKMENT

FAIRCLOTH SKIMMER  
 WWW.FAIRCLOTHSKIMMER.COM  
 TELEPHONE: (919) 732-1244  
 FAX: (919) 732-1266  
 EMAIL: SALES@FAIRCLOTHSKIMMER.COM



| Name      | Skimmer Size | Orifice Dia. | Orifice RAD | Required Basin Volume | Days to Drain |
|-----------|--------------|--------------|-------------|-----------------------|---------------|
| phase two | 5"           | 4 5/8"       | 2 5/16"     | 82080                 | 3             |

#### GENERAL NOTES:

1. FAIRCLOTH SKIMMER® FLOW RATES WERE USED AS THE BASIS OF DESIGN WHEN DETERMINING DRAINAGE CALCULATIONS. UTILIZING A PRODUCT FROM AN ALTERNATIVE MANUFACTURER WILL CREATE A SIGNIFICANT DEVIATION TO THE DESIGN AND MUST BE APPROVED AND RECALCULATED BY THE DESIGN ENGINEER.
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 FAX: (919) 732-1288  
 EMAIL: SALES@FAIRCLOTHSKIMMER.COM



## CALCULATIONS

## DETENTION POND DESIGN CALCULATION

Site Location PHASE ONE AREA

Percent Imperviousness: 10% (I)

Proposed Runoff "C" Value 0.27

Maximum Allowable Outflow (CFS) 1.40 (G)

Storm Recurrence Interval (Yrs) 25

Cont. Drainage Area (Acres) 9.30 (J)

| A                     | B                   | C  | D   | E  | F                                     | G  | H   |
|-----------------------|---------------------|--|---|--|---------------------------------------|--|---|
| Duration<br>(Minutes) | Duration<br>(Hours) | 25-Year<br>Total<br>Rainfall<br>(Inches) | 25-Year<br>Rainfall<br>Intensity<br>(Inch/Hr) | Proposed<br>Runoff<br>Flow Rate<br>(CFS) | Proposed<br>Runoff<br>Volume<br>(CFT) | Maximum<br>Allowable<br>Outflow<br>(CFS) | Required<br>Detention<br>Storage<br>(CFT) |
| 5                     | 0.08                | 0.49                                     | 5.88  | 14.76                                    | 4,429                                 | 1.40                                     | 4,011                                     |
| 10                    | 0.17                | 0.86                                     | 5.16  | 12.96                                    | 7,774                                 | 1.40                                     | 6,937                                     |
| 15                    | 0.25                | 1.10                                     | 4.40  | 11.05                                    | 9,944                                 | 1.40                                     | 8,688                                     |
| 20                    | 0.33                | 1.24                                     | 3.72  | 9.34                                     | 11,209                                | 1.40                                     | 9,535                                     |
| 30                    | 0.50                | 1.51                                     | 3.02  | 7.58                                     | 13,650                                | 1.40                                     | 11,139                                    |
| 40                    | 0.67                | 1.65                                     | 2.48  | 6.21                                     | 14,915                                | 1.40                                     | 11,567                                    |
| 50                    | 0.83                | 1.79                                     | 2.15  | 5.39                                     | 16,181                                | 1.40                                     | 11,996                                    |
| 60                    | 1.00                | 1.92                                     | 1.92  | 4.82                                     | 17,356                                | 1.40                                     | 12,334                                    |
| 90                    | 1.50                | 2.15                                     | 1.43  | 3.60                                     | 19,435                                | 1.40                                     | 11,902                                    |
| 120                   | 2.00                | 2.37                                     | 1.19  | 2.98                                     | 21,424                                | 1.40                                     | 11,380                                    |
| 180                   | 3.00                | 2.62                                     | 0.87  | 2.19                                     | 23,684                                | 1.40                                     | 8,618                                     |
| 360                   | 6.00                | 3.07                                     | 0.51  | 1.28                                     | 27,752                                | 1.40                                     | -2,380                                    |
| 720                   | 12.00               | 3.56                                     | 0.30  | 0.74                                     | 32,181                                | 1.40                                     | -28,083                                   |
| 1080                  | 18.00               | 3.84                                     | 0.21  | 0.54                                     | 34,712                                | 1.40                                     | -55,684                                   |
| 1440                  | 24.00               | 4.09                                     | 0.17  | 0.43                                     | 36,972                                | 1.40                                     | -83,556                                   |

Maximum: 12,334 = 1 HR PEAK

## RETENTION POND DESIGN CALCULATION

Retain the 100-Year 24 Hour Design Storm from the Entire Contributing Area (5.5 Inches of Rainfall)

**50,132 CFT**

- Duration of the storm event in minutes.
- Duration of the storm event in hours.
- Total amount of rainfall during a 25-year recurrence storm event for the given duration in Column A & B (ref.: midwestern climatological center rainfall Atlas-Bulletin 71).
- Average rainfall intensity during the 25-year recurrence storm event. Calculated by dividing Column C by Column B.
- The unrestricted 25-year recurrence discharge flow rate from the proposed site under fully developed conditions. Calculated by multiplying Intensity (D) and Drainage Area (L).
- The unrestricted storm event for the given duration in Column A and B. Calculated by multiplying the Proposed Runoff Flow Rate (E) by the Storm Duration (A) and by 60 seconds/minute.
- The maximum allowable discharge from the site is determined by multiplying the drainage area by 0.15 CFS per acre or if the proposed outlet is restrictive by determining the sites share of the existing outlets capacity on a contributing area basis.
- The required retention storage is determined by multiplying the differention flow rate (Inflow (E) - Outflow (G), by the corresponding duration (A) and by 60 seconds/minute. The amount of storage required for various storm durations will vary based on rainfall intensity, the size of the drainage area, and the allowable discharge. The maximum volume of storage for the various storm durations will be the required detention storage volume.
- Proposed percent imperviousness. This assumption will be used to determine the proposed runoff coefficient. Impervious surface will be assumed to have a value of 0.9 and pervious a value of 0.2
- Contributing Drainage to the proposed detention or retention system.

INFER: DEFAULT  
3600 cu.ft PER ACRE  
33,480 ft<sup>3</sup> REQ'D

Calculation By: J. Bond

Date: 3/27/25

## DETENTION POND DESIGN CALCULATION

Site Location PHASE ONE AREA

Percent Imperviousness: 10% (I)

Proposed Runoff "C" Value 0.27

Maximum Allowable Outflow (CFS) 3.42 (G)

Storm Recurrence Interval (Yrs) 25

Cont. Drainage Area (Acres) 22.80 (J)

| A                     | B                   | C  | D   | E  | F                                     | G  | H   |
|-----------------------|---------------------|--|---|--|---------------------------------------|--|---|
| Duration<br>(Minutes) | Duration<br>(Hours) | 25-Year<br>Total<br>Rainfall<br>(Inches) | 25-Year<br>Rainfall<br>Intensity<br>(Inch/Hr) | Proposed<br>Runoff<br>Flow Rate<br>(CFS) | Proposed<br>Runoff<br>Volume<br>(CFT) | Maximum<br>Allowable<br>Outflow<br>(CFS) | Required<br>Detention<br>Storage<br>(CFT) |
| 5                     | 0.08                | 0.49                                     | 5.88  | 36.20                                    | 10,859                                | 3.42                                     | 9,833                                     |
| 10                    | 0.17                | 0.86                                     | 5.16  | 31.76                                    | 19,059                                | 3.42                                     | 17,007                                    |
| 15                    | 0.25                | 1.10                                     | 4.40  | 27.09                                    | 24,378                                | 3.42                                     | 21,300                                    |
| 20                    | 0.33                | 1.24                                     | 3.72  | 22.90                                    | 27,480                                | 3.42                                     | 23,376                                    |
| 30                    | 0.50                | 1.51                                     | 3.02  | 18.59                                    | 33,464                                | 3.42                                     | 27,308                                    |
| 40                    | 0.67                | 1.65                                     | 2.48  | 15.24                                    | 36,567                                | 3.42                                     | 28,359                                    |
| 50                    | 0.83                | 1.79                                     | 2.15  | 13.22                                    | 39,669                                | 3.42                                     | 29,409                                    |
| 60                    | 1.00                | 1.92                                     | 1.92  | 11.82                                    | 42,550                                | 3.42                                     | <u>30,238</u>                             |
| 90                    | 1.50                | 2.15                                     | 1.43  | 8.82                                     | 47,647                                | 3.42                                     | 29,179                                    |
| 120                   | 2.00                | 2.37                                     | 1.19  | 7.29                                     | 52,523                                | 3.42                                     | 27,899                                    |
| 180                   | 3.00                | 2.62                                     | 0.87  | 5.38                                     | 58,063                                | 3.42                                     | 21,127                                    |
| 360                   | 6.00                | 3.07                                     | 0.51  | 3.15                                     | 68,036                                | 3.42                                     | -5,836                                    |
| 720                   | 12.00               | 3.56                                     | 0.30  | 1.83                                     | 78,895                                | 3.42                                     | -68,849                                   |
| 1080                  | 18.00               | 3.84                                     | 0.21  | 1.31                                     | 85,101                                | 3.42                                     | -136,515                                  |
| 1440                  | 24.00               | 4.09                                     | 0.17  | 1.05                                     | 90,641                                | 3.42                                     | -204,847                                  |

Maximum: 30,238 = 1 HR PEAK

## RETENTION POND DESIGN CALCULATION

Retain the 100-Year 24 Hour Design Storm from the Entire Contributing Area (5.5 Inches of Rainfall)  
**122,905 CFT**

- Duration of the storm event in minutes.
- Duration of the storm event in hours.
- Total amount of rainfall during a 25-year recurrence storm event for the given duration in Column A & B (ref.: midwestern climatological center rainfall Atlas-Bulletin 71).
- Average rainfall intensity during the 25-year recurrence storm event. Calculated by dividing Column C by Column B.
- The unrestricted 25-year recurrence discharge flow rate from the proposed site under fully developed conditions. Calculated by multiplying Intensity (D) and Drainage Area (L).
- The unrestricted storm event for the given duration in Column A and B. Calculated by multiplying the Proposed Runoff Flow Rate (E) by the Storm Duration (A) and by 60 seconds/minute.
- The maximum allowable discharge from the site is determined by multiplying the drainage area by 0.15 CFS per acre or if the proposed outlet is restrictive by determining the sites share of the existing outlets capacity on a contributing area basis.
- The required retention storage is determined by multiplying the differentiation flow rate (Inflow (E) - Outflow (G), by the corresponding duration (A) and by 60 seconds/minute. The amount of storage required for various storm durations will vary based on rainfall intensity, the size of the drainage area, and the allowable discharge. The maximum volume of storage for the various storm durations will be the required detention storage volume.
- Proposed percent imperviousness. This assumption will be used to determine the proposed runoff coefficient. Impervious surface will be assumed to have a value of 0.9 and pervious a value of 0.2
- Contributing Drainage to the proposed detention or retention system.

MDFQ: DEFAULT  
 3,600 cu.ft PF12 ac.  
82,080 ft<sup>3</sup> REQ'D

Calculation By: J. Bond

Date: 3/27/25

## **DETENTION POND CALCULATIONS**

### **Pond #1**

**D.A. = 9.3 acres**

**Outlet = 275.00'**

**Water level = 282.00'**

**Top of Dam = 283.00'**

**Req'd Volume = 33,480 cu. ft.**

**Dimensions: 7' x 50' x 100' = 35,000 cu. ft.**

### **Pond #2**

**D.A. = 22.8 acres**

**Outlet = 290.00'**

**Water level = 297.00'**

**Top of Dam = 298.00'**

**Req'd Volume = 82,020 cu. ft.**

**Dimensions: 7' x 80' x 150' = 84,000 cu. ft.**

**SUPPORT DOCUMENTS**



Note: Miss. Code Ann. § 53-7-27 (2)(h) requires that an Application for Surface Mining Permit include a notarized statement showing the applicant's legal right to surface mine the affected area.

**CERTIFICATION OF LEGAL RIGHT TO MINE**

I certify that I have the legal right to conduct surface mining operations on the property which is the subject of this application for Surface Mining Permit.

I am including a copy of the deed to the property and a copy of the Lease/Contract to surface mine the property (if applicable).

G + G Gravel LLC

Printed/Typed Name of Applicant for Surface Mining Permit

Glen E. Howe

Printed/Typed Name of Person Authorized to sign on behalf of Applicant

President

Title of Person Authorized to sign on behalf of Applicant

Glen E. Howe

Signature of Person Authorized to sign on behalf of Applicant

STATE OF MISSISSIPPI

COUNTY OF STONE

Personally appeared before me, the undersigned authority in and for the said county and state, on this 18<sup>th</sup> day of MARCH, 2025, within my jurisdiction, the within named GLEN HOWE, who acknowledged that (he)(she) is PRESIDENT (title) of G+G GRAVEL, LLC., a MS (state) corporation, and that for and on behalf of the said corporation, and as its act and deed (he) (she) executed the above and foregoing instrument, after first having been duly authorized by said corporation so to do.

(NOTARY PUBLIC)

My Commission expires: JUNE 2026

Thomas J. Baggett



**Land Lease Contract**

This agreement, a contract, sets forth the terms as a binding agreement between the

Lessee, G & G Gravel, and the Lessor, Glen And Chanam Howe

\_\_\_\_\_ executed on this day 3 January 2025.

**The following terms are set forth:**

- The purpose of this contract permits the Lessee, G & G Gravel exclusive use of the land owned by Lessor Glen And Chanam Howe, for the purpose of surface mining.
- The land base consist of approximately 55 Acre. Located at
- NW  $\frac{1}{4}$  of the SW  $\frac{1}{4}$  of section 29, township 2 South, Range 13 West, NE  $\frac{1}{4}$   
- SE  $\frac{1}{4}$  & SE  $\frac{1}{4}$  -SE  $\frac{1}{4}$  of section 30, Township 2 South Range 13 West, Stone County, Mississippi.
- The land will be leased at the rate of \$ 1 per/acre for a total of \$ 55 per year.  
This shall be payable no more than 30 days prior to the beginning date of annual contract

The above terms have been reviewed are in mutual agreement between both the lessee and the leaser on this date 3 Jan 2025

Lessee: Glen E. Howe [Signature]

Lessor: Glen E. Howe [Signature]



my Commission Expires  
JUNE 2026  
Thomas J. Baggett

Prepared By:

Thomas M. Matthews, III  
125 West College Avenue  
Wiggins, MS 39577  
Tel: 601-928-9997

Return To:

Thomas M. Matthews, III  
125 West College Avenue  
Wiggins, MS 39577  
Tel: 601-928-9997

**Index as Follows: In the NE ¼ of the SE ¼ of Section 30, Township 2 South, Range 13 West, Stone County, Mississippi.**

**STATE OF MISSISSIPPI**

**COUNTY OF STONE**

**WARRANTY DEED**

For and in consideration of the sum of Ten Dollars (10.00) cash in hand paid and other good and valuable considerations passing, the receipt and sufficiency all of which is hereby acknowledged,

**RABBY FIVE, LLC**  
**A Mississippi Limited Liability Company**  
46 Marshall Taylor Road  
Wiggins, MS 39577  
Telephone Number: 601-528-4909

do hereby grant, bargain, convey and warrant subject to the exceptions hereinafter set out unto

**GLEN HOWE**  
**and**  
**CHANAM HOWE,**  
**Husband and Wife,**  
83 Virgil Smith Road  
Lumberton, MS 39455  
Telephone Number: 601-928-2657

not as tenants in common but as tenants by the entirety with full rights of survivorship, certain property, together with all improvements located thereon, located in Stone County, Mississippi, more particularly described as follows, to-wit:

**SEE ATTACHED EXHIBIT "A"**

Subject to any and all easements, rights-of-way and/or encroachments and/or covenants of record in the official records of the aforesaid county.

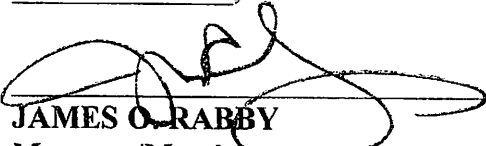
Subject to any and all prior reservations of oil, gas, and other minerals.

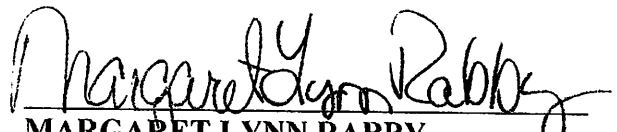
The attached described property constitutes no part of the homestead of the Grantor.

A copy of the corporate resolution authorizing this sale is attached hereto as Exhibit "B".

A copy of the Final Decree closing the Estate of Carlos J. Rabby, Jr., Stone County Cause No. 2611 is attached hereto as Exhibit "C" and made a part hereof as if copied in full herein.

IN WITNESS WHEREOF, we set and subscribe our signatures on this the 21 day of November, 2024.

  
JAMES O. RABBY  
Manager/Member  
Rabby Five, LLC, a Mississippi Limited  
Liability Company

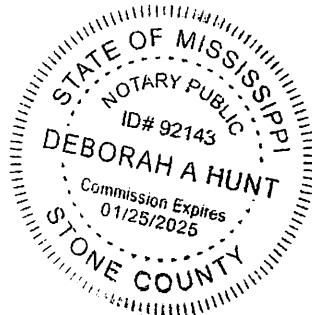
  
MARGARET LYNN RABBY  
Manager/Member  
Rabby Five, LLC, a Mississippi Limited  
Liability Company


STATE OF MISSISSIPPI

COUNTY OF STONE

BEFORE ME, the undersigned authority in and for the aforesaid State and County, personally appeared **JAMES O. RABBY, Manager/Member of Rabby Five, LLC, a Mississippi Limited Liability Company**, who acknowledged that he executed, sealed and delivered the above and foregoing Warranty Deed on the day and year therein written as his own free and voluntary act and deed and for and on behalf of said Rabby Five, LLC, after first having been authorized to do so.

GIVEN under my hand and official seal of office on this the 21<sup>st</sup> day of November, 2024.



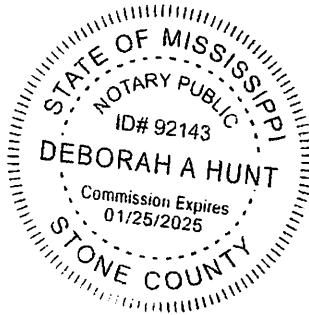
  
NOTARY PUBLIC

STATE OF MISSISSIPPI

COUNTY OF STONE

BEFORE ME, the undersigned authority in and for the aforesaid State and County, personally appeared **MARGARET LYNN RABBY, Manager/Member of Rabby Five, LLC, a Mississippi Limited Liability Company**, who acknowledged that she executed, sealed and delivered the above and foregoing Warranty Deed on the day and year therein written as her own free and voluntary act and deed and for and on behalf of said Rabby Five, LLC, after first having been authorized to do so.

GIVEN under my hand and official seal of office on this the 21<sup>st</sup> day of November, 2024.



Deborah A. Hunt  
NOTARY PUBLIC



**Exhibit "A"**

**Index as Follows: In the NE  $\frac{1}{4}$  of the SE  $\frac{1}{4}$  of Section 30, Township 2 South, Range 13 West, Stone County, Mississippi.**

The NE  $\frac{1}{4}$  of the SE  $\frac{1}{4}$  of Section 30, Township 2 South, Range 13 West, Stone County, Mississippi.

IN THE CHANCERY COURT OF STONE COUNTY, MISSISSIPPI

JANUARY TERM, 1968

FILED THIS 7<sup>th</sup> DAY OF

*[Signature]*  
*[Signature]*

Chancery Clerk

MB-12, P. 129, 131  
D. C.

IN THE MATTER OF THE LAST WILL  
AND TESTAMENT OF CARLOS J. RABBY  
JR., DECEASED, BY MARGIE B. RABBY,  
PETITIONER

NO. 2611

F I N A L   D E C R E E

This day this cause came on to be heard on First Annual and Final Account of Margie B. Rabby, duly elected, qualified, and acting executrix in the estate of Carlos J. Rabby, Jr., deceased, and the Court having heard and considered said matter finds that it has jurisdiction of the subject matter and other parties, that said Final Account was filed on the 6th day of December, 1967, and process was served on all of the heirs at law and devisees more than thirty days next preceding the hearing of said First Annual and Final Account; that Margie B. Rabby after having qualified as by law required as executrix of the Last Will and Testament of Carlos J. Rabby, deceased proceeded to take possession of the assets of said estate and preserve them for the benefit of the creditors and the devisees of the Last Will and Testament of the decedent; that the executrix did cause Notice to Creditors to be published in the Stone County Enterprise, a newspaper having general circulation in Stone County, Mississippi, on the 20th and 27th days of April, 1967, and the 4th and 11th days of May, 1967, and more than six months having elapsed prior to the filing of the First Annual and Final Account. The Court finds, further, that no bond was required to be filed since the Last Will and Testament of the decedent, Carlos J. Rabby, Jr., requested that the Executrix be permitted to serve without filing bond; that there was only one claim filed in this estate, that of Dees

Funeral Home of Wiggins, Mississippi, in the sum of \$1005.00 which was paid out of the personal funds of the Executrix, and the Executrix not desiring to probate a claim for said sum.

The Court finds, further, that at the time of the decedent's death on the 19th day of March, 1967, Wiggins, Stone County, Mississippi, he left an instrument of writing purporting to be a Last Will and Testament, which was executed on the 25th day of January, 1963 in the presence of Brenda Williams and Jack Parsons. The Court does find that said instrument which has been admitted to probate in this cause is the genuine, true, valid and legal Last Will and Testament of the decedent, Carlos J. Rabby, Jr. The Court finds, further, that said Last Will and Testament was properly executed as by law required and that all the devisees and heirs at law of the decedent are as follows:

1. Margie B. Rabby, his wife, of Wiggins, Stone County, Mississippi
2. James O'Conner Rabby, 22 years of age, Wiggins, Stone County, Mississippi
3. Kathleen Ann Rabby, 19 years of age, Wiggins, Stone County, Mississippi
4. John Carlos Rabby, 12 years of age, Wiggins, Stone County, Mississippi
5. Margaret Lynn Rabby, 12 years of age, Wiggins, Stone County, Mississippi
6. William Edmund Rabby, 9 years of age, Wiggins, Stone County, Mississippi

The Court finds, further, that the duly appointed appraisers proceeded to appraise the assets of the Estate and that said appraisal is now on file in this cause and was filed on the 27th day of October, 1967, and that same should be approved. The Court finds that the Estate is not of sufficient size to require the filing of a Federal or State Estate Tax return. The Court finds, further, that all acts of the Executrix, Margie B. Rabby, should be ratified and approved.

IT IS THEREFORE, adjudged and decreed that the First Annual and Final Account of Margie B. Rabby, Executrix in the Estate of Carlos J. Rabby, Jr. be and the same is hereby

ratified and approved and that all acts of the Executrix and the appraisers are hereby ordered ~~to be~~ approved as by law permitted. It is further ordered that the Last Will and Testament admitted to probate in this cause which was executed on the 25th day of January, 1963 in the presence of Brenda Williams and Jack Parsons be and is hereby adjudged to be the genuine, true, valid and legal Last Will and Testament of the Decedent, Carlos J. Rabby, Jr., deceased and that said instrument was properly admitted to probate in this Court. It is further ordered that upon the payment of Court costs, including cost of publication of Notice to Creditors, and attorney's fees to Jack Parsons, Wiggins, Mississippi, in the sum of \$250.00, that said Executrix should deliver the assets to Margie B. Rabby, wife of the deceased, as provided for in the Last Will and Testament of the Decedent Carlos J. Rabby, Jr. and upon this having been done the executrix, Margie B. Rabby will forever stand discharged.

THUS ORDERED AND DONE on this the 9<sup>th</sup> day of January, 1968.

  
CHANCELLOR

**MINING STORM WATER POLLUTION PREVENTION PLAN**  
**G&G GRAVEL MINE**  
**STONE CO. MS**

RECEIVED  
APR - 4 2025  
REQ

*Hard copy.*



**O'NEAL - BOND**  
Engineering Inc. since 1969

**MARCH 27, 2025**





## **TABLE OF CONTENTS**

**MINING PERMIT MSR32**

**MINING SWPPP NARRATIVE**

**MAPS**

**DETAILS**

**CALCULATIONS**

**SUPPORT DOCUMENTS**

**MINING PERMIT MSR32**



MISSISSIPPI DEPARTMENT OF  
ENVIRONMENTAL QUALITY

## **MINING STORM WATER, DEWATERING AND NO DISCHARGE GENERAL PERMIT MSR32**

### **MINING GENERAL PERMIT FORMS PACKAGE**

- MINING NOTICE OF INTENT (MNOI) ..... 3
- NOTICE OF EXEMPT OPERATION ..... 8
- SITE INSPECTION REPORT AND CERTIFICATION FORM ..... 10
- MAJOR MODIFICATION FORM..... 12
- REQUEST FOR TRANSFER OF PERMIT, GENERAL PERMIT COVERAGE  
AND/OR NAME CHANGE ..... 14
- REQUEST FOR TERMINATION (RFT) OF COVERAGE ..... 17

These standard forms are used to apply for permit coverage under the Mining General Permit (MSR32) and for submittals and record keeping after permit coverage has been granted. The forms are in Adobe format on our website at [http://www.mdeq.ms.gov/wp-content/uploads/2016/02/Mining\\_Forms\\_Package.pdf](http://www.mdeq.ms.gov/wp-content/uploads/2016/02/Mining_Forms_Package.pdf) Required information can be completed on screen, printed and signed.

General Permit MSR32 does not authorize the discharge of mine process generated wastewater or take the place of an Office of Geology Surface Mining Permit.

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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)**