Edward F. Poolos
Director

Jeffery W. Kitchens
Deputy Director

Kay Ivey
Governor

Alabama Department of Environmental Management
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Montgomery, Alabama 36130-1463
(334) 271-7700 ▪ FAX (334) 271-7950

May 26, 2026

Mr. Robin A Wade
President
Wade Sand and Gravel Company, Inc.
1200 10th Street West
Birmingham, AL 35204

RE: Draft Permit
East Thomas Limestone Plant
NPDES Permit Number AL0025194
Jefferson County (073)

Dear Mr. Wade:

Transmitted herein is a draft of the above referenced permit. Please review the enclosed draft permit carefully. If previously permitted, the draft may contain additions/revisions to the language in your current permit. Please submit any comments on the draft permit to the Department within 30 days from the date of receipt of this letter.

Since the Department has made a tentative decision to reissue and modify the above referenced permit, ADEM Admin. Code r. 335-6-6-.21 requires a public notice of the draft permit followed by a period of at least 30 days for public comment before the permit can be issued. The United States Environmental Protection Agency will also receive the draft permit for review during the 30-day public comment period.

Any mining, processing, construction, land disturbance, or other regulated activity proposed to be authorized by this draft permit is prohibited prior to the effective date of the formal permit. Any mining or processing activity within the drainage basin associated with each permitted outfall which is conducted prior to Departmental receipt of certification from a professional engineer licensed to practice in the State of Alabama, that the Pollution Abatement/Prevention Plan was implemented according to the design plan, or notification from the Alabama Surface Mining Commission that the sediment control structures have been certified, is prohibited.

This permit requires Discharge Monitoring Reports (DMR) to be submitted utilizing the Department's web-based electronic reporting system. Please read Part I.D of the permit carefully and visit https://aepacs.adem.alabama.gov/nviro/ncore/external/home.

Should you have any questions concerning this matter, please contact William McClimans at (334) 271-7835 or wdm@adem.alabama.gov.

Sincerely,

William D. McClimans, Chief
Mining and Natural Resource Section
Stormwater Management Branch
Water Division

WDM/wdm File: DPER/13077

cc: Ange Boatwright, ADEM
Environmental Protection Agency Region IV
Alabama Department of Conservation and Natural Resources
U.S. Fish and Wildlife Service
Alabama Historical Commission
Advisory Council on Historic Preservation
U.S. Army Corps of Engineers Mobile District
U.S. Army Corps of Engineers Nashville District
Alabama Department of Workforce

Birmingham Office
110 Vulcan Road
Birmingham, AL 35209-4702
(205) 942-6168
(205) 941-1603 (FAX)

Decatur Office
2715 Sandlin Road, S.W.
Decatur, AL 35603-1333
(256) 353-1713
(256) 340-9359 (FAX)

Coastal Office
1615 South Broad Street
Mobile, AL 36605
(251) 450-3400
(251) 479-2593 (FAX)

ADEM
Alabama Department of Environmental Management

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

PERMITTEE:	Wade Sand and Gravel Company, Inc. P.O. BOX 39048 Birmingham, AL 35204
FACILITY LOCATION:	East Thomas Limestone Plant 1200 10th Street West Birmingham, AL 35204 Jefferson County T17S, R3W, Sections 28, 29, 32, 33
PERMIT NUMBER:	AL0025194

DSN & RECEIVING STREAM:		
	002 - 1	Village Creek
	003 - 1	Village Creek
	004 - 1	Village Creek
	005 - 1	Unnamed Tributary to Village Creek
	006 - 1	Unnamed Tributary to Village Creek
	007 - 1	Unnamed Tributary to Village Creek

In accordance with and subject to the provisions of the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§1251-1388 (the "FWPCA"), the Alabama Water Pollution Control Act, as amended, ***Code of Alabama 1975****, §§ 22-22-1 to 22-22-14 (the "AWPCA"), the Alabama Environmental Management Act, as amended,* ***Code of Alabama 1975****, §§22-22A-1 to 22-22A-17, and rules and regulations adopted thereunder, and subject further to the terms and conditions set forth in this permit, the Permittee is hereby authorized to discharge into the above-named receiving waters.*

ISSUANCE DATE:

EFFECTIVE DATE:

EXPIRATION DATE:

Draft

Alabama Department of Environmental Management
Water Division Chief

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT

Limestone Quarry, Dry and Wet Preparation, Transportation and Storage, and Associated Areas

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PART I DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on the effective date of this Permit and lasting through the expiration date of this Permit, the Permittee is authorized to discharge from each point source identified on Page 1 of this Permit and described more fully in the Permittee's application, if the outfalls have been constructed and certified. Discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Discharge Limitations			Monitoring Requirements	
	Daily Minimum	Monthly Average	Daily Maximum	Sample Type	Measurement Frequency[1]
pH 00400	6.0 s.u.	-------	8.5 s.u.	Grab	2/Month
Solids, Total Suspended 00530	-------	25.0 mg/L	45.0 mg/L	Grab	2/Month
Flow, In Conduit or Thru Treatment Plant[2] 50050	-------	Report MGD	Report MGD	Instantaneous	2/Month

B. REQUIREMENTS TO ACTIVATE A PROPOSED MINING OUTFALL

1. Discharge from any point source identified on Page 1 of this Permit which is a proposed outfall is not authorized by this Permit until the outfall has been constructed and certification received by the Department from a professional engineer, registered in the State of Alabama, certifying that such facility has been constructed according to good engineering practices and in accordance with the Pollution Abatement and/or Prevention (PAP) Plan.

2. Certification required by Part I.B.1. shall be submitted on a completed ADEM Form 432. The certification shall include the latitude and longitude of the constructed and certified outfall.

3. Discharge monitoring and Discharge Monitoring Report (DMR) reporting requirements described in Part I.C. of this Permit do not apply to point sources that have not been constructed and certified.

4. Upon submittal of the certification required by Part I.B.1. to the Department, all monitoring and DMR submittal requirements shall apply to the constructed and certified outfall.

C. DISCHARGE MONITORING AND RECORD KEEPING REQUIREMENTS

1. Sampling Schedule and Frequency

a. The Permittee shall collect at least one grab sample of the discharge to surface waters from each constructed and certified point source identified on Page 1 of this Permit and described more fully in the Permittee's application twice per month at a rate of at least every other week if a discharge occurs at any time during the two week period, but need not collect more than two samples per calendar month. Each sample collected shall be analyzed for each parameter specified in Part I.A. of this Permit.

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[1] See Part I.C.2. for further measurement frequency requirements.

[2] Flow must be determined at the time of sample collection by direct measurement, calculation, or other method acceptable to the Department.

b. If the final effluent is pumped in order to discharge (e.g. from incised ponds, old highwall cuts, old pit areas or depressions, etc.), the Permittee shall collect at least one grab sample of the discharge from each point source identified on Page 1 of this Permit and described more fully in the Permittee's application each quarterly (three month) monitoring period if a discharge occurs at any time during the quarterly monitoring period which results from direct pumped drainage. Each sample collected shall be analyzed for each parameter specified in Part I.A. of this Permit.

c. The Permittee may increase the frequency of sampling listed in Parts I.C.1.a and I.C.1.b; however, all sampling results must be reported to the Department and included in any calculated results submitted to the Department in accordance with this Permit.

2. Measurement Frequency

Measurement frequency requirements found in Part I.A. shall mean:

a. A measurement frequency of one day per week shall mean sample collection on any day of discharge which occurs every calendar week.

b. A measurement frequency of two days per month shall mean sample collection on any day of discharge which occurs every other week, but need not exceed two sample days per month.

c. A measurement frequency of one day per month shall mean sample collection on any day of discharge which occurs during each calendar month.

d. A measurement frequency of one day per quarter shall mean sample collection on any day of discharge which occurs during each calendar quarter.

e. A measurement frequency of one day per six months shall mean sample collection on any day of discharge which occurs during the period of January through June and during the period of July through December.

f. A measurement frequency of one day per year shall mean sample collection on any day of discharge which occurs during each calendar year.

3. Monitoring Schedule

The Permittee shall conduct the monitoring required by Part I.A. in accordance with the following schedule:

a. MONITORING REQUIRED MORE FREQUENTLY THAN MONTHLY AND MONTHLY shall be conducted during the first full month following the effective date of coverage under this Permit and every month thereafter. More frequently than monthly and monthly monitoring may be done anytime during the month, unless restricted elsewhere in this Permit, but the results should be reported on the last Discharge Monitoring Report (DMR) due for the quarter (i.e., with the March, June, September, and December DMRs).

b. QUARTERLY MONITORING shall be conducted at least once during each calendar quarter. Calendar quarters are the periods of January through March, April through June, July through September, and October through December. The Permittee shall conduct the quarterly monitoring during the first complete calendar quarter following the effective date of this Permit and is then required to monitor once during each quarter thereafter. Quarterly monitoring may be done anytime during the quarter, unless restricted elsewhere in this

Permit, but the results should be reported on the last DMR due for the quarter (i.e., with the March, June, September, and December DMRs).

c. SEMIANNUAL MONITORING shall be conducted at least once during the period of January through June and at least once during the period of July through December. The Permittee shall conduct the semiannual monitoring during the first complete semiannual calendar period following the effective date of this Permit and is then required to monitor once during each semiannual period thereafter. Semiannual monitoring may be done anytime during the semiannual period, unless restricted elsewhere in this Permit, but it should be reported on the last DMR due for the month of the semiannual period (i.e., with the June and December DMRs).

d. ANNUAL MONITORING shall be conducted at least once during the period of January through December. The Permittee shall conduct the annual monitoring during the first complete calendar annual period following the effective date of this Permit and is then required to monitor once during each annual period thereafter. Annual monitoring may be done anytime during the year, unless restricted elsewhere in this Permit, but it should be reported on the December DMR.

4. Sampling Location

Unless restricted elsewhere in this Permit, samples collected to comply with the monitoring requirements specified in Part I.A. shall be collected at the nearest accessible location just prior to discharge and after final treatment, or at an alternate location approved in writing by the Department.

5. Representative Sampling

Sample collection and measurement actions taken as required herein shall be representative of the volume and nature of the monitored discharge and shall be in accordance with the provisions of this Permit.

6. Test Procedures

For the purpose of reporting and compliance, Permittees shall use one of the following procedures:

a. For parameters with an EPA established Minimum Level (ML), report the measured value if the analytical result is at or above the ML and report "0" for values below the ML. Test procedures for the analysis of pollutants shall conform to 40 CFR Part 136, guidelines published pursuant to Section 304(h) of the FWPCA, 33 U.S.C. Section 1314(h), and ADEM Standard Operating Procedures. If more than one method for analysis of a substance is approved for use, a method having a minimum level lower than the permit limit shall be used. If the minimum level of all methods is higher than the permit limit, the method having the lowest minimum level shall be used and a report of less than the minimum level shall be reported as zero and will constitute compliance, however should EPA approve a method with a lower minimum level during the term of this Permit the Permittee shall use the newly approved method.

b. For pollutant parameters without an established ML, an interim ML may be utilized. The interim ML shall be calculated as 3.18 times the Method Detection Level (MDL) calculated pursuant to 40 CFR Part 136, Appendix B.

Permittees may develop an effluent matrix-specific ML, where an effluent matrix prevents attainment of the established ML. However, a matrix specific ML shall be based upon proper laboratory method and technique. Matrix-specific MLs must be approved by the

Department, and may be developed by the Permittee during permit issuance, reissuance, modification, or during compliance schedule.

In either case the measured value should be reported if the analytical result is at or above the ML and "0" reported for values below the ML.

c. For parameters without an EPA established ML, interim ML, or matrix-specific ML, a report of less than the detection limit shall constitute compliance if the detection limit of all analytical methods is higher than the permit limit using the most sensitive EPA approved method. For the purpose of calculating a monthly average, "0" shall be used for values reported less than the detection limit.

The Minimum Level utilized for procedures identified in Parts I.C.6.a. and b. shall be reported on the Permittee's DMR. When an EPA approved test procedure for analysis of a pollutant does not exist, the Director shall approve the procedure to be used.

7. **Recording of Results**

For each measurement or sample taken pursuant to the requirements of this Permit, the Permittee shall record the following information:

a. The facility name and location, point source number, date, time, and exact place of sampling or measurements;

b. The name(s) of person(s) who obtained the samples or measurements;

c. The dates and times the analyses were performed;

d. The name(s) of the person(s) who performed the analyses;

e. The analytical techniques or methods used including source of method and method number; and

f. The results of all required analyses.

8. **Routine Inspection by Permittee**

a. The Permittee shall inspect all point sources identified on Page 1 of this Permit and described more fully in the Permittee's application and all treatment or control facilities or systems used by the Permittee to achieve compliance with the terms and conditions of this Permit at least as often as the applicable sampling frequency specified in Part I.C.1 of this Permit.

b. The Permittee shall maintain a written log for each point source identified on Page 1 of this Permit and described more fully in the Permittee's application in which the Permittee shall record the following information:

(1) The date and time the point source and any associated treatment or control facilities or systems were inspected by the Permittee;

(2) Whether there was a discharge from the point source at the time of inspection by the Permittee;

(3) Whether a sample of the discharge from the point source was collected at the time of inspection by the Permittee;

(4) Whether all associated treatment or control facilities or systems appeared to be in good working order and operating as efficiently as possible, and if not, a description of the problems or deficiencies; and

(5) The name and signature of the person performing the inspection of the point source and associated treatment or control facilities or systems.

9. Records Retention and Production

a. The Permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Permit, and records of all data used to complete the above reports or the application for this Permit, for a period of at least three (3) years from the date of the sample collection, measurement, report, or application. This period may be extended by request of the Director at any time. If litigation or other enforcement action, under the AWPCA, AEMA, and/or the FWPCA, is ongoing which involves any of the above records, the records shall be kept until the litigation is resolved. Upon the written request of the Director, the Permittee shall provide the Director with a copy of any record required to be retained by this paragraph. Copies of these records should not be submitted unless requested.

b. All records required to be kept for a period of three (3) years shall be kept at the permitted facility or an alternate location approved by the Department in writing and shall be available for inspection.

10. Monitoring Equipment and Instrumentation

All equipment and instrumentation used to determine compliance with the requirements of this Permit shall be installed, maintained, and calibrated in accordance with the manufacturer's instructions or, in the absence of manufacturer's instructions, in accordance with accepted practices. The Permittee shall develop and maintain quality assurance procedures to ensure proper operation and maintenance of all equipment and instrumentation. The quality assurance procedures shall include the proper use, maintenance, and installation, when appropriate, of monitoring equipment at the plant site.

D. DISCHARGE REPORTING REQUIREMENTS

1. Requirements for Reporting of Monitoring

a. Monitoring results obtained during the previous three (3) months shall be summarized for each month on a Discharge Monitoring Report (DMR) Form approved by the Department, and submitted to the Department so that it is received by the Director no later than the 28th day of the month following the quarterly reporting period (i.e., on the 28th day of January, April, July, and October of each year).

b. The Department utilizes a web-based electronic reporting system for submittal of DMRs. **Except as allowed by Part I.D.1.c. or d., the Permittee shall submit all DMRs required by Part I.D.1.a. by utilizing the Department's current electronic reporting system.** The Department's current reporting system, Alabama Environmental Permitting and Compliance System (AEPACS), can be found online at https://aepacs.adem.alabama.gov/nviro/ncore/external/home.

c. If the electronic reporting system is down (i.e. electronic submittal of DMR data is unable to be completed due to technical problems originating with the Department's system; this could include entry/submittal issues with an entire set of DMRs or individual parameters), permittees are not relieved of their obligation to submit DMR data to the Department by the required submittal date. However, if the electronic reporting system is down on the 28th day of the month or is down for an extended period of time as determined by the Department when a DMR is required to be submitted, the facility may submit the data in an alternate manner and format acceptable to the Department. Preapproved alternate acceptable methods include faxing, e-mailing, mailing, or hand-delivery of data such that they are received by the required reporting date. Within five calendar days of the electronic reporting system resuming operation, the Permittee shall enter the data into the reporting system unless an alternate timeframe is approved by the Department. An attachment should be included with the electronic DMR submittal verifying the original submittal date (date of the fax, copy of dated e-mail, or hand-delivery stamped date).

d. The permittee may submit a request to the Department for a temporary electronic reporting waiver for DMR submittals. The waiver request should include the permit number; permittee name; facility/site name; facility address; name, address, and contact information for the responsible official or duly authorized representative; a detailed statement regarding the basis for requesting such a waiver; and the duration for which the waiver is requested. Approved electronic reporting waivers are not transferrable. Permittees with an approved electronic reporting waiver for DMRs may submit hard copy DMRs for the period that the approved electronic reporting waiver request is effective. The Permittee shall submit the Department-approved DMR forms to the address listed in Part I.D.1.i.

e. If the Permittee, using approved analytical methods as specified in Part I.C.6., monitors any discharge from a point source identified on Page 1 of this Permit and describe more fully in the Permittee's application more frequently than required by this Permit; the results of such monitoring shall be included in the calculation and reporting of values on the DMR Form, and the increased frequency shall be indicated on the DMR Form.

f. In the event no discharge from a point source identified on Page 1 of this Permit and described more fully in the Permittee's application occurs during a monitoring period, the Permittee shall report "No Discharge" for such period on the appropriate DMR Form.

g. Each DMR Form submitted by the Permittee to the Department in accordance with Part I.D.1. must be legible and bear an original signature or electronic signature. Photo and electronic copies of the signature are not acceptable and shall not satisfy the reporting requirements of this Permit.

h. All reports and forms required to be submitted by this Permit, the AWPCA, and the Department's rules and regulations, shall be signed by a "responsible official" of the Permittee as defined in ADEM Admin. Code r. 335-6-6-.09 or a "duly authorized representative" of such official as defined in ADEM Admin. Code r. 335-6-6-.09 and shall bear the following certification:

> "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 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."

i. All DMRs, reports, and forms required to be submitted by this Permit, the AWPCA and the Department's rules and regulations, shall be submitted through the Department's electronic reporting system, AEPACS, or, if in hardcopy, shall be addressed to:

Alabama Department of Environmental Management
Water Division, Mining and Natural Resource Section
Post Office Box 301463
Montgomery, Alabama 36130-1463

Certified and Registered Mail shall be addressed to:

Alabama Department of Environmental Management
Water Division, Mining and Natural Resource Section
1400 Coliseum Boulevard
Montgomery, Alabama 36110-2059

j. Unless authorized in writing by the Department, approved reporting forms required by this Permit or the Department are not to be altered, and if copied or reproduced, must be consistent in format and identical in content to the ADEM approved form. Unauthorized alteration, falsification, or use of incorrectly reproduced forms constitutes noncompliance with the requirements of this Permit and may significantly delay processing of any request, result in denial of the request, result in permit termination, revocation, suspension, modification, or denial of a permit renewal application, or result in other enforcement action.

k. If this Permit is a reissuance, then the Permittee shall continue to submit DMRs in accordance with the requirements of their previous permit until such time as DMRs are due as discussed in Part I.D.1.

2. Noncompliance Notification

a. The Permittee must notify the Department if, for any reason, the Permittee's discharge:

(1) Potentially threatens human health or welfare;

(2) Potentially threatens fish or aquatic life;

(3) Causes an in-stream water quality criterion to be exceeded;

(4) Does not comply with an applicable toxic pollutant effluent standard or prohibition established under Section 307(a) of the FWPCA, 33 U.S.C. §1317(a);

(5) Contains a quantity of a hazardous substance which has been determined may be harmful to the public health or welfare under Section 311(b)(4) of the FWPCA, 33 U.S.C. §1321(b)(4); or

(6) Exceeds any discharge limitation for an effluent parameter as a result of an unanticipated bypass or upset.

The Permittee shall orally or electronically report any of the above occurrences, describing the circumstances and potential effects of such discharge to the Director within 24-hours after the Permittee becomes aware of the occurrence of such discharge. In addition to the oral or electronic report, the Permittee shall submit to the Director a written report as

provided in Part I.D.2.c., no later than five (5) days after becoming aware of the occurrence of such discharge.

b. If for any reason, the Permittee's discharge does not comply with any limitation of this Permit, the Permittee shall submit a written report to the Director as provided in Part I.D.2.c. This report must be submitted with the next Discharge Monitoring Report required to be submitted by Part I.D.1. of this Permit after becoming aware of the occurrence of such noncompliance.

c. An electronic Noncompliance Notification Form in a Department-approved format must be submitted to the Director in accordance with Parts I.D.2.a. and b. The completed form must document the following information:

(1) A description of the discharge and cause of noncompliance;

(2) The period of noncompliance, including exact dates and times, or if not corrected, the anticipated time the noncompliance is expected to continue; and

(3) A description of the steps taken and/or being taken to reduce or eliminate the noncomplying discharge and to prevent its recurrence.

3. **Reduction, Suspension, or Termination of Monitoring and/or Reporting**

a. The Director may, with respect to any point source identified on Page 1 of this Permit and described more fully in the Permittee's application, authorize the Permittee to reduce, suspend, or terminate the monitoring and/or reporting required by this Permit upon the submission of a written request for such reduction, suspension, or termination by the Permittee provided:

(1) All mining, processing, or disturbance in the drainage basin(s) associated with the discharge has ceased and site access is adequately restricted or controlled to preclude unpermitted and unauthorized mining, processing, transportation, or associated operations/activity;

(2) Permanent, perennial vegetation has been re-established on all areas mined or disturbed for at least one year since mining has ceased in the drainage basin(s) associated with the surface discharge, or all areas have been permanently graded such that all drainage is directed back into the mined pit to preclude all surface discharges;

(3) Unless waived in writing by the Department, the Permittee has been granted, in writing, a 100% Bond Release, if applicable, by the Alabama Department of Industrial Relations and, if applicable, by the Surface Mining Commission for all areas mined or disturbed in the drainage basin(s) associated with the discharge;

(4) Unless waived in writing by the Department, the Permittee has submitted inspection reports prepared and certified by a Professional Engineer (PE) registered in the State of Alabama or a qualified professional under the PE's direction which certify that the facility has been fully reclaimed or that water quality remediation has been achieved. The first inspection must be conducted approximately one year prior to and the second inspection must be conducted within thirty days of the Permittee's request for termination of monitoring and reporting requirements;

(5) All surface effects of the mining activity such as fuel or chemical tanks, preparation plants or equipment, old tools or equipment, junk or debris, etc., must be removed and disposed of according to applicable state and federal regulations;

(6) The Permittee's request for termination of monitoring and reporting requirements contained in this Permit has been supported by monitoring data covering a period of at least six consecutive months or such longer period as is necessary to assure that the data reflect discharges occurring during varying seasonal climatological conditions;

(7) The Permittee has stated in its request that the samples collected and reported in the monitoring data submitted in support of the Permittee's request for monitoring termination or suspension are representative of the discharge and were collected in accordance with all Permit terms and conditions respecting sampling times (e.g., rainfall events) and methods and were analyzed in accordance with all Permit terms and conditions respecting analytical methods and procedures;

(8) The Permittee has certified that during the entire period covered by the monitoring data submitted, no chemical treatment of the discharge was provided;

(9) The Permittee's request has included the certification required by Part I.D.1.e. of this Permit; and

(10) The Permittee has certified to the Director in writing as part of the request, its compliance with (1) through (9) above.

b. It remains the responsibility of the Permittee to comply with the monitoring and reporting requirements of this Permit until written authorization to reduce, suspend, or terminate such monitoring and/or reporting is received by the Permittee from the Director.

E. OTHER REPORTING AND NOTIFICATION REQUIREMENTS

1. Anticipated Noncompliance

The Permittee shall give the Director written advance notice of any planned changes or other circumstances regarding a facility which may result in noncompliance with permit requirements.

2. Termination of Discharge

The Permittee shall notify the Director, in writing, when all discharges from any point source(s) identified on Page 1 of this Permit and described more fully in the Permittee's application have permanently ceased.

3. Updating Information

a. The Permittee shall inform the Director of any change in the Permittee's mailing address or telephone number or in the Permittee's designation of a facility contact or officer(s) having the authority and responsibility to prevent and abate violations of the AWPCA, the AEMA, the Department's rules and regulations, and the terms and conditions of this Permit, in writing, no later than ten (10) days after such change. Upon request of the Director, the Permittee shall furnish the Director with an update of any information provided in the permit application.

b. If the Permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information with a written explanation for the mistake and/or omission.

4. **Duty to Provide Information**

a. The Permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, suspending, terminating, or revoking and reissuing this Permit, in whole or in part, or to determine compliance with this Permit. The Permittee shall also furnish to the Director upon request, copies of records required to be maintained by this Permit.

b. The Permittee shall furnish to the Director upon request, within a reasonable time, available information (name, phone number, address, and site location) which identifies offsite sources of material or natural resources (mineral, ore, or other material such as iron, coal, coke, dirt, chert, shale, clay, sand, gravel, bauxite, rock, stone, etc.) used in its operation or stored at the facility.

F. SCHEDULE OF COMPLIANCE

The Permittee shall achieve compliance with the discharge limitations specified in Part I.A. of this Permit in accordance with the following schedule:

Compliance must be achieved by the effective date of this Permit.

PART II OTHER REQUIREMENTS, RESPONSIBILITIES, AND DUTIES

A. OPERATIONAL AND MANAGEMENT REQUIREMENTS

1. Facilities Operation and Management

The Permittee shall at all times operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities only when necessary to achieve compliance with the conditions of this Permit.

2. Pollution Abatement and/or Prevention Plan

a. The Pollution Abatement and/or Prevention (PAP) Plan shall be prepared and certified by a registered Professional Engineer (PE), licensed to practice in the State of Alabama, and shall include at a minimum:

(1) The information indicated in ADEM Admin Code r. 335-6-9-.03 and ADEM Admin. Code ch. 335-6-9 and its Appendices A and B;

(2) A description of methods which will be implemented to prevent offsite vehicle tracking onto roadways and/or into ditches at the entrances and/or exits of the Permittee's operations;

(3) A description of setbacks from waters of the State in units of linear feet on the horizontal plane; a description of the methods taken to visibly delineate setbacks from waters of the State; and a description of any other actions taken to prevent encroachment upon setbacks;

(4) A description of the methods used to delineate the boundaries of coverage under this Permit such that the boundaries are readily visible during the life of the operation;

(5) A description of any other Best Management Practices (BMPs) which will be implemented to provide control of all nonpoint source pollution that is or may be associated with the Permittee's operations;

b. The PAP Plan shall become a part of this Permit and all requirements of the PAP Plan shall become requirements of this Permit pursuant to ADEM Admin Code r. 335-6-9-.05(2). The PAP Plan shall be amended if the Department determines that the existing sediment control measures, erosion control measures, or other site management practices are ineffective or do not meet the requirements of this Permit.

c. For existing sources, the PAP Plan shall be updated to include all requirements of this section within 180 days of the effective date of this permit. New sources shall submit the PAP plan with the NPDES Individual Permit application prior to coverage under this Permit.

3. Best Management Practices (BMPs)

a. Unless otherwise authorized in writing by the Director, the Permittee shall provide a means of subsurface withdrawal for any discharge from each point source identified on Page 1 of this Permit and described more fully in the Permittee's application. Notwithstanding the above provision, a means of subsurface withdrawal need not be provided for any discharge caused by a 24-hour precipitation event greater than a 10-year, 24-hour precipitation event.

b. Dilution water shall not be added to achieve compliance with discharge limitations except when the Director has granted prior written authorization for dilution to meet water quality requirements.

c. The Permittee shall minimize the contact of water with overburden, including but not limited to stabilizing disturbed areas through grading, diverting runoff, achieving quick growing stands of temporary vegetation, sealing acid-forming and toxic-forming materials, and maximizing placement of waste materials in back-fill areas.

d. The Permittee shall prepare, submit to the Department for approval, and implement a Best Management Practices (BMPs) Plan for containment of any or all process liquids or solids, in a manner such that these materials do not present a potential for discharge, if so required by the Director. When submitted and approved, the BMP Plan shall become a part of this Permit and all requirements of the BMP Plan shall become requirements of this Permit.

e. Spill Prevention, Control, and Management

The Permittee shall prepare, implement, and maintain a Spill Prevention, Control and Countermeasures (SPCC) Plan acceptable to the Department that is prepared and certified by a Professional Engineer (PE), registered in the State of Alabama, for all onsite petroleum product or other pollutant storage tanks or containers as provided by ADEM Admin. Code r. 335-6-6-.08(j)5. The Plan shall describe and the Permittee shall implement appropriate structural and/or non-structural spill prevention, control, and/or management pursuant to ADEM Admin. Code r. 335-6-6-.12 (r) sufficient to prevent any spills of pollutants from entering a ground or surface water of the State or a publicly or privately owned treatment works. The Plan shall include at a minimum, the engineering requirements provided in 40 C.F.R. §§112.1. Any containment system used to implement this requirement shall be constructed of materials compatible with the substance(s) contained and shall prevent the contamination of groundwater. Such containment systems shall be capable of retaining a volume equal to 110 percent of the capacity of the largest tank for which containment is provided. The Plan shall list any materials which the Permittee may utilize to contain and to absorb fuel and chemical spills and leaks. The Permittee shall maintain sufficient amounts of such materials onsite or have sufficient amounts of such materials readily available to contain and/or absorb fuel and chemical spills and leaks. Soil contaminated by chemical spills, oil spills, etc., must be immediately cleaned up or be removed and disposed of in a manner consistent with all State and federal regulations.

f. All surface drainage and storm water runoff which originate within or enters the Permittee's premises and which contains any pollutants or other wastes shall be discharged, if at all, from a point source identified on Page 1 of this Permit and described more fully in the Permittee's application.

g. The Permittee shall take all reasonable precautions to prevent any surface drainage or storm water runoff which originates outside the Permittee's premises and which contains any pollutants or other wastes from entering the Permittee's premises. At no time shall the Permittee discharge any such surface drainage or storm water runoff which enters the Permittee's premises if, either alone or in combination with the Permittee's effluent, the discharge would exceed any applicable discharge limitation specified in Part I.A. of this Permit.

4. Biocide Additives

a. The Permittee shall notify the Director in writing not later than sixty (60) days prior to instituting the use of any biocide corrosion inhibitor or chemical additive in any cooling or boiler system(s) regulated by this Permit. Notification is not required for additives that should not reasonably be expected to cause the cooling water or boiler water to exhibit toxicity as determined by analysis of manufacturer's data or testing by the Permittee. Such notification shall include:

(a) Name and general composition of biocide or chemical;

(b) 96-hour median tolerance limit data for organisms representative of the biota of the water(s) which the discharge(s) enter(s);

(c) Quantities to be used;

(d) Frequencies of use;

(e) Proposed discharge concentrations; and

(f) EPA registration number, if applicable.

b. The use of any biocide or chemical additive containing tributyl tin, tributyl tin oxide, zinc, chromium, or related compounds in any cooling or boiler system(s) regulated by the Permit is prohibited except as exempted below. The use of a biocide or additive containing zinc, chromium or related compounds may be used in special circumstances if (1) the permit contains limits for these substances, or (2) the applicant demonstrates during the application process that the use of zinc, chromium or related compounds as a biocide or additive will not pose a reasonable potential to violate the applicable State water quality standards for these substances. The use of any additive, not identified in this Permit or in the application for this Permit or not exempted from notification under this Permit is prohibited, prior to a determination by the Department that permit modification to control discharge of the additive is not required or prior to issuance of a permit modification controlling discharge of the additive.

5. Facility Identification

The Permittee shall clearly display prior to commencement of any regulated activity and until permit coverage is properly terminated, the name of the Permittee, entire NPDES permit number, facility or site name, and other descriptive information deemed appropriate by the Permittee at an easily accessible location(s) to adequately identify the site, unless approved otherwise in writing by the Department. The Permittee shall repair or replace the sign(s) as necessary upon becoming aware that the identification is missing or is unreadable due to age, vandalism, theft, weather, or other reason.

6. Removed Substances

Solids, sludges, filter backwash, or any other pollutants or other wastes removed in the course of treatment or control of wastewaters shall be disposed of in a manner that complies with all applicable Department rules and regulations.

7. Loss or Failure of Treatment Facilities

Upon the loss or failure of any treatment facility, including but not limited to the loss or failure of the primary source of power of the treatment facility, the Permittee shall, where necessary to maintain compliance with the discharge limitations specified in Part I.A. of this Permit or any other terms or conditions of this Permit, cease, reduce, or otherwise control production and/or discharges until treatment is restored.

8. **Duty to Mitigate**

The Permittee shall promptly take all reasonable steps to minimize or prevent any violation of this Permit or to mitigate and minimize any adverse impact to waters resulting from noncompliance with any discharge limitation specified in Part I.A. of this Permit, including such accelerated or additional monitoring of the discharge and/or the receiving waterbody as is necessary to determine the nature and impact of the noncomplying discharge.

B. BYPASS AND UPSET

1. **Bypass**

a. Any bypass is prohibited except as provided in Parts II.B.1.b. and c.

b. A bypass is not prohibited if:

(1) It does not cause any applicable discharge limitation specified in Part I.A. of this Permit to be exceeded;

(2) The discharge resulting from such bypass enters the same receiving water as the discharge from the permitted outfall;

(3) It is necessary for essential maintenance of a treatment or control facility or system to assure efficient operation of such facility or system; and

(4) The Permittee monitors the discharge resulting from such bypass at a frequency, at least daily, sufficient to prove compliance with the discharge limitations specified in Part I.A. of this Permit.

c. A bypass is not prohibited and need not meet the discharge limitations specified in Part I.A. of this Permit if:

(1) It is unavoidable to prevent loss of life, personal injury, or severe property damage;

(2) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if the Permittee could have installed adequate backup equipment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

(3) The Permittee submits a written request for authorization to bypass to the Director at least ten (10) days, if possible, prior to the anticipated bypass or within 24 hours of an unanticipated bypass, the Permittee is granted such authorization, and Permittee complies with any conditions imposed by the Director to minimize any adverse impact to waters resulting from the bypass.

d. The Permittee has the burden of establishing that each of the conditions of Parts II.B.1.b. or c. have been met to qualify for an exception to the general prohibition against bypassing contained in Part II.B.1.a. and an exemption, where applicable, from the discharge limitations specified in Part I.A. of this Permit.

2. Upset

a. The Permittee may seek to demonstrate that noncompliance with technology-based effluent limits occurred as a result of an upset if the conditions of Part II.B.2.b are met and if the Permittee complies with the conditions provided in Part II.B.2.c.

b. If the Permittee wishes to establish the affirmative defense of an upset for technology-based effluent limit noncompliance, the Permittee must demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An upset occurred and that the Permittee can identify the specific cause(s) of the upset;

(2) The wastewater treatment facility was at the time being properly operated in accordance with Part II.B.d.

(3) The Permittee submitted notice of the noncompliance during the upset as required by Part II.B.2.c; and

(4) The Permittee complied with any remedial measures required under Part II.A.7. of this Permit.

c. If the Permittee wishes to establish the affirmative defense of an upset for technology-based effluent limit noncompliance, the Permittee shall:

(1) No later than 24-hours after becoming aware of the occurrence of the upset, orally report the occurrence and circumstances of the upset to the Director in accordance with Part I.G.2.; and

(2) No later than five (5) days after becoming aware of the occurrence of the upset, furnish the Director with evidence, including properly signed, contemporaneous operating logs, design drawings, construction certification, maintenance records, weir flow measurements, dated photographs, rain gauge measurements, or other relevant evidence, demonstrating that:

(i) An upset occurred;

(ii) The Permittee can identify the specific cause(s) of the upset;

(iii) The Permittee's treatment facility was being properly operated at the time of the upset; and

(iv) The Permittee promptly took all reasonable steps to minimize any adverse impact to waters resulting from the upset.

d. A discharge which is an overflow from a treatment facility or system, or an excess discharge from a point source associated with a treatment facility or system and which results from a 24-hour precipitation event larger than a 10-year, 24-hour precipitation event is not eligible to be considered as a result of an upset unless:

(1) The treatment facility or system is designed, constructed, and maintained to contain the maximum volume of wastewater which would be generated by the facility during a 24-hour period without an increase in volume from precipitation and the maximum volume of wastewater resulting from a 10-year, 24-hour precipitation event or to treat the maximum flow associated with these volumes. In computing the maximum volume of wastewater which would result from a 10-year, 24-hour precipitation event, the volume which would result from all areas contributing runoff to the individual treatment facility must be included (i.e., all runoff that is not diverted from the mining area and runoff which is not diverted from the preparation plant area); and

(2) The Permittee takes all reasonable steps to maintain treatment of the wastewater and minimize the amount of overflow or excess discharge.

e. The Permittee has the burden of proof in defense of any enforcement action as a result of noncompliance of technology-based effluent limits the Permittee proposes to attribute to an upset.

C. PERMIT CONDITIONS AND RESTRICTIONS

1. Prohibition against Discharge from Facilities Not Certified

a. Notwithstanding any other provisions of this Permit, if the permitted facility has not obtained or is not required to obtain a permit from the Alabama Surface Mining Commission, any discharge(s) from any point or nonpoint source(s) from the permitted facility which was not certified to the Department on a form approved by the Department by a professional engineer, registered in the State of Alabama, as being designed, constructed, and in accordance with plans and specifications reviewed by the Department is prohibited; or

b. Notwithstanding any other provisions of this Permit, if the permitted facility has obtained or is required to obtain a permit from the Alabama Surface Mining Commission, any discharge(s) from any point or nonpoint source(s) from the permitted facility which is associated with a treatment facility which was not constructed and certified to the Alabama Surface Mining Commission pursuant to applicable provisions of said Commission's regulations, is prohibited until the Permittee submits to the Alabama Surface Mining Commission, certification by a professional engineer, registered in the State of Alabama, certifying that such facility has been constructed in accordance with plans and specifications approved by the Alabama Surface Mining Commission. This requirement shall not apply to pumped discharges from the underground works of underground coal mines where no surface structure is required by the Alabama Surface Mining Commission, provided the Department is notified in writing of the completion or installation of such facilities, and the pumped discharges will meet permit effluent limits without treatment.

2. Permit Modification, Suspension, Termination, and Revocation

a. This Permit may be modified, suspended, terminated, or revoked and reissued, in whole or in part, during its term for cause, including but not limited to, the following:

(1) The violation of any tenn or condition of this Permit;

(2) The obtaining of this Permit by misrepresentation or the failure to disclose fully all relevant facts;

(3) The submission of materially false or inaccurate statements or information in the permit application or reports required by the Permit;

(4) The need for a change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge;

(5) The existence of any typographical or clerical errors or of any errors in the calculation of discharge limitations;

(6) The existence of material and substantial alterations or additions to the facility or activity generating wastewater which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit;

(7) The threat of the Permittee's discharge on human health or welfare; or

(8) Any other cause allowed by ADEM Admin. Code ch. 335-6-6.

b. The filing of a request by the Permittee for modification, suspension, termination, or revocation and reissuance of this Permit, in whole or in part, does not stay any Permit term or condition of this Permit.

3. **Automatic Expiration of Permits for New or Increased Discharges**

a. Except as provided by ADEM Admin. Code r. 335-6-6-.02(h) and 335-6-6-.05, if this Permit was issued for a new discharger or new source, it shall expire eighteen months after the issuance date if construction has not begun during that eighteen month period.

b. Except as provided by ADEM Admin. Code r. 335-6-6-.02(h) and 335-6-6-.05, if any portion of this Permit was issued or modified to authorize the discharge of increased quantities of pollutants to accommodate the modification of an existing facility, that portion of this Permit shall expire eighteen months after this Permit's issuance if construction of the modification has not begun within eighteen month period.

c. Construction has begun when the owner or operator has:

(1) Begun, or caused to begin as part of a continuous on-site construction program:

(i) Any placement, assembly, or installation of facilities or equipment; or

(ii) Significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which is necessary for the placement, assembly, or installation of new source facilities or equipment; or

(2) Entered into a binding contractual obligation for the purpose of placement, assembly, or installation of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under the paragraph. The entering into a lease with the State of

Alabama for exploration and production of hydrocarbons shall also be considered beginning construction.

d. The automatic expiration of this Permit for new or increased discharges if construction has not begun within the eighteen month period after the issuance of this Permit may be tolled by administrative or judicial stay.

4. **Transfer of Permit**

This Permit may not be transferred or the name of the Permittee changed without notice to the Director and subsequent modification or revocation and reissuance of this Permit to identify the new Permittee and to incorporate any other changes as may be required under the FWPCA or AWPCA. In the case of a change in name, ownership, or control of the Permittee's premises only, a request for permit modification in a format acceptable to the Director is required at least 30 days prior to the change. In the case of a change in name, ownership, or control of the Permittee's premises accompanied by a change or proposed change in effluent characteristics, a complete permit application is required to be submitted to the Director at least 180 days prior to the change. Whenever the Director is notified of a change in name, ownership, or control, he may decide not to modify the existing Permit and require the submission of a new permit application.

5. **Groundwater**

Unless authorized on page 1 of this Permit, this Permit does not authorize any discharge to groundwater. Should a threat of groundwater contamination occur, the Director may require groundwater monitoring to properly assess the degree of the problem, and the Director may require that the Permittee undertake measures to abate any such discharge and/or contamination.

6. **Property and Other Rights**

This Permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to persons or property or invasion of other private rights, trespass, or any infringement of Federal, State, or local laws or regulations, nor does it authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any waters of the State or of the United States.

D. RESPONSIBILITIES

1. **Duty to Comply**

a. The Permittee must comply with all terms and conditions of this Permit. Any permit noncompliance constitutes a violation of the AWPCA, AEMA, and the FWPCA and is grounds for enforcement action, for permit termination, revocation and reissuance, suspension, modification, or denial of a permit renewal application.

b. The Permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the FWPCA for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if this Permit has not yet been modified to incorporate the effluent standard, prohibition or requirement.

c. For any violation(s) of this Permit, the Permittee is subject to a civil penalty as authorized by the AWPCA, the AEMA, the FWPCA, and Code of Alabama 1975, §§22-22A-1 et. seq., as amended, and/or a criminal penalty as authorized by Code of Alabama 1975, §22-22-1 et. seq., as amended.

d. The necessity to halt or reduce production or other activities in order to maintain compliance with the conditions of this Permit shall not be a defense for a Permittee in an enforcement action.

e. Nothing in this Permit shall be construed to preclude or negate the Permittee's responsibility or liability to apply for, obtain, or comply with other ADEM, federal, state, or local government permits, certifications, licenses, or other approvals.

f. The discharge of a pollutant from a source not specifically identified in the permit application for this Permit and not specifically included in the description of an outfall in this Permit is not authorized and shall constitute noncompliance with this Permit.

g. The Permittee shall take all reasonable steps, including cessation of production or other activities, to minimize or prevent any violation of this Permit or to minimize or prevent any adverse impact of any permit violation.

2. Change in Discharge

a. The Permittee shall apply for a permit modification at least 180 days in advance of any facility expansion, production increase, process change, or other action that could result in the discharge of additional pollutants, increase the quantity of a discharged pollutant, or that could result in an additional discharge point. This requirement also applies to pollutants that are not subject to discharge limitations in this Permit. No new or increased discharge may begin until the Director has authorized it by issuance of a permit modification or a reissued permit.

b. The Permittee shall notify the Director as soon as it knows or has reason to believe that it has begun or expects to begin to discharge any pollutant listed as a toxic pollutant pursuant to Section 307(a) of the FWPCA, 33 U.S.C. §1317(a), any substance designated as a hazardous substance pursuant to Section 311(b)(2) of the FWPCA, 33 U.S.C. §1321(b)(2), any waste listed as a hazardous waste pursuant to Code of Alabama 1975, §22-30-10, or any other pollutants or other wastes which is not subject to any discharge limitations specified in Part I.A. of this Permit and was not reported in the Permittee's application, was reported in the Permittee's application in concentrations or mass rates lower than that which the Permittee expects to begin to be discharged, or has reason to believe has begun to be discharged.

3. Compliance with Toxic or Other Pollutant Effluent Standard or Prohibition

If any applicable effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Sections 301(b)(2)(C),(D),(E) and (F) of the FWPCA, 33 U.S.C. §1311(b)(2)(C),(D),(E), and (F); 304(b)(2) of the FWPCA, 33 U.S.C. §1314(b)(2); or 307(a) of the FWPCA, 33 U.S.C. §1317(a), for a toxic or other pollutant discharged by the Permittee, and such standard or prohibition is more stringent than any discharge limitation on the pollutant specified in Part I.A. of this Permit or controls a pollutant not limited in Part I.A. of this Permit, this Permit shall be modified to conform to the toxic or other pollutant effluent standard or prohibition and the Permittee shall be notified of such modification. If this Permit has not been modified to conform to the toxic or other pollutant effluent standard or prohibition before the effective date of such standard or prohibition, the authorization to discharge in this Permit shall be void to the extent that any discharge limitation on such pollutant in Part I.A. of this Permit exceeds or is inconsistent with the established toxic or other pollutant effluent standard or prohibition.

4. Compliance with Water Quality Standards and Other Provisions

a. On the basis of the Permittee's application, plans, or other available information, the Department has determined that compliance with the terms and conditions of this Permit will assure compliance with applicable water quality standards. However, this Permit does not relieve the Permittee from compliance with applicable State water quality standards established in ADEM Admin. Code ch. 335-6-10, and does not preclude the Department from taking action as appropriate to address the potential for contravention of applicable State water quality standards which could result from discharges of pollutants from the permitted facility.

b. Compliance with Permit terms and conditions notwithstanding, if the Permittee's discharge(s) from point source(s) identified on Page 1 of this Permit cause(s) or contribute(s) to a condition in contravention of State water quality standards, the Department may require abatement action to be taken by the Permittee, modify the Permit pursuant to the Department's rules and regulations, or both.

c. If the Department determines, on the basis of a notice provided pursuant to Part II.C.2. of this Permit or any investigation, inspection, or sampling, that a modification of this Permit is necessary to assure maintenance of water quality standards or compliance with other provisions of the AWPCA or FWPCA, the Department may require such modification and, in cases of emergency, the Director may prohibit the noticed act until the Permit has been modified.

5. Compliance with Statutes and Rules

a. This Permit has been issued under ADEM Admin. Code div. 335-6. All provisions of this division, that are applicable to this Permit, are hereby made a part of this Permit. A copy of this division may be obtained for a small charge from the Office of General Counsel, Alabama Department of Environmental Management, 1400 Coliseum Blvd., Montgomery, AL 36110-2059.

b. This Permit does not authorize the noncompliance with or violation of any Laws of the State of Alabama or the United States of America or any regulations or rules implementing such laws. FWPCA, 33 U.S.C. Section 1319, and Code of Alabama 1975, Section 22-22-14.

6. Right of Entry and Inspection

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law to:

a. Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of the Permit;

b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;

c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and

d. Sample or monitor at reasonable times, for the purposes of assuring Permit compliance or as otherwise authorized by the AWPCA, any substances or parameters at any location.

7. Duty to Reapply or Notify of Intent to Cease Discharge

a. If the Permittee intends to continue to discharge beyond the expiration date of this Permit, the Permittee shall file with the Department a complete permit application for reissuance of this Permit at least 180 days prior to its expiration. **Applications must be submitted electronically via the Department's current electronic permitting system. The Department's current online permitting system, Alabama Environmental Permitting and Compliance System (AEPACS), can be found online at https://aepacs.adem.alabama.gov/nviro/ncore/external/home.**

b. If the Permittee does not desire to continue the discharge(s) allowed by this Permit, the Permittee shall notify the Department at least 180 days prior to expiration of this Permit of the Permittee's intention not to request reissuance of this Permit. This notification must include the information required in Part I.D.4.a. and be signed by an individual meeting the signatory requirements for a permit application as set forth in ADEM Admin. Code r. 335-6-6-.09.

c. Failure of the Permittee to submit to the Department a complete application for reissuance of this Permit at least 180 days prior to the expiration date of this Permit will void the automatic continuation of this Permit provided by ADEM Admin. Code r. 335-6-6-.06; and should this Permit not be reissued for any reason, any discharge after the expiration of this Permit will be an unpermitted discharge.

PART III ADDITIONAL REQUIREMENTS, CONDITIONS, AND LIMITATIONS

A. CIVIL AND CRIMINAL LIABILITY

1. Tampering

Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained or performed under this Permit shall, upon conviction, be subject to penalties and/or imprisonment as provided by the AWPCA and/or the AEMA.

2. False Statements

Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this Permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished as provided by applicable State and Federal law.

3. Permit Enforcement

This NPDES Permit is a Permit for the purpose of the AWPCA, the AEMA, and the FWPCA, and as such all terms, conditions, or limitations of this Permit are enforceable under State and Federal law.

4. Relief From Liability

Except as provided in Part II.B.1. (Bypass) and Part II.B.2. (Upset), nothing in this Permit shall be construed to relieve the Permittee of civil or criminal liability under the AWPCA, AEMA, or FWPCA for noncompliance with any term or condition of this Permit.

B. OIL AND HAZARDOUS SUBSTANCE LIABILITY

Nothing in this Permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties to which the Permittee is or may be subject to under Section 311 of the FWPCA, 33 U.S.C. §1321.

C. AVAILABILITY OF REPORTS

Except for data determined to be confidential under Code of Alabama 1975, §22-22-9(c), all reports prepared in accordance with the terms of this Permit shall be available for public inspection at the offices of the Department. Effluent data shall not be considered confidential. Knowingly making any false statement in any such report may result in the imposition of criminal penalties as provided for in Section 309 of the FWPCA, 33 U.S.C. §1319, and Code of Alabama 1975, §22-22-14.

D. DEFINITIONS

1. Alabama Environmental Management Act (AEMA) - means Code of Alabama 1975, §§22-22A-1 et. seq., as amended.

2. Alabama Water Pollution Control Act (AWPCA) - means Code of Alabama 1975, §§22-22-1 et. seq., as amended.

3. Average monthly discharge limitation - means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar

month divided by the number of "daily discharges" measured during that month (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).

4. Arithmetic Mean - means the summation of the individual values of any set of values divided by the number of individual values.

5. BOD - means the five-day measure of the pollutant parameter biochemical oxygen demand

6. Bypass - means the intentional diversion of waste streams from any portion of a treatment facility.

7. CBOD - means the five-day measure of the pollutant parameter carbonaceous biochemical oxygen demand.

8. Controlled Surface Mine Drainage – means any surface mine drainage that is pumped or siphoned from the active mining area.

9. Daily discharge - means the discharge of a pollutant measured during any consecutive 24-hour period in accordance with the sample type and analytical methodology specified by the discharge permit.

10. Daily maximum - means the highest value of any individual sample result obtained during a day.

11. Daily minimum - means the lowest value of any individual sample result obtained during a day.

12. Day - means any consecutive 24-hour period.

13. Department - means the Alabama Department of Environmental Management.

14. Director - means the Director of the Department or his authorized representative or designee.

15. Discharge - means "[t]he addition, introduction, leaking, spilling or emitting of any sewage, industrial waste, pollutant or other waste into waters of the state." Code of Alabama 1975, §22-22-1(b)(8).

16. Discharge monitoring report (DMR) - means the form approved by the Director to accomplish monitoring report requirements of an NPDES Permit.

17. DO - means dissolved oxygen.

18. E. coli – means the pollutant parameter Escherichia coli.

19. 8HC - means 8-hour composite sample, including any of the following:

    a. The mixing of at least 5 equal volume samples collected at constant time intervals of not more than 2 hours over a period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.

    b. A sample continuously collected at a constant rate over period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.

20. EPA - means the United States Environmental Protection Agency.

21. Federal Water Pollution Control Act (FWPCA) - means 33 U.S.C. §§1251 et. seq., as amended.

22. Flow – means the total volume of discharge in a 24-hour period.

23. Geometric Mean - means the Nth root of the product of the individual values of any set of values where N is equal to the number of individual values. The geometric mean is equivalent to the antilog of the arithmetic mean of the logarithms of the individual values. For purposes of calculating the geometric mean, values of zero (0) shall be considered one (1).

24. Grab Sample - means a single influent or effluent portion which is not a composite sample. The sample(s) shall be collected at the period(s) most representative of the discharge.

25. Indirect Discharger - means a nondomestic discharger who discharges pollutants to a publicly owned treatment works or a privately owned treatment facility operated by another person.

26. Industrial User - means those industries identified in the Standard Industrial Classification manual, Bureau of the Budget 1967, as amended and supplemented, under the category "Division D – Manufacturing" and such other classes of significant waste producers as, by regulation, the Director deems appropriate.

27. mg/L - means milligrams per liter of discharge.

28. MGD - means million gallons per day.

29. Monthly Average - means, other than for E. coli bacteria, the arithmetic mean of all the composite or grab samples taken for the daily discharges collected in one month period. The monthly average for E. coli bacteria is the geometric mean of daily discharge samples collected in a one month period. The monthly average for flow is the arithmetic mean of all flow measurements taken in a one month period. (Zero discharges shall not be included in the calculation of monthly averages.)

30. New Discharger - means a person owning or operating any building, structure, facility or installation:

    a. From which there is or may be a discharge of pollutants;

    b. From which the discharge of pollutants did not commence prior to August 13, 1979, and which is not a new source; and

    c. Which has never received a final effective NPDES Permit for dischargers at that site.

31. New Source - means:

    a. A new source as defined for coal mines by 40 CFR Part 434.11 (1994); and

    b. Any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced:

        (1) After promulgation of standards of performance under Section 306 of FWPCA which are applicable to such source; or

        (2) After proposal of standards of performance in accordance with Section 306 of the FWPCA which are applicable to such source, but only if the standards are promulgated in accordance with Section 206 within 120 days of their proposal.

32. NH3-N - means the pollutant parameter ammonia, measured as nitrogen.

33. 1-year, 24-hour precipitation event - means the maximum 24-hour precipitation event with a probable recurrence interval of once in one year as defined by the National Weather Service and Technical Paper No. 40, "Rainfall Frequency Atlas of the U.S.," May 1961, or equivalent regional or rainfall probability information developed therefrom.

34. Permit application - means forms and additional information that are required by ADEM Admin. Code r. 335-6-6-.08 and applicable permit fees.

35. Point Source - means "any discernible, confined and discrete conveyance, including but not limited to any pipe, channel, ditch, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, or vessel or other floating craft from which pollutants are or may be discharged." Section 502(14) of the FWPCA, 33 U.S.C. §1362(14).

36. Pollutant - includes for purposes of this Permit, but is not limited to, those pollutants specified in Code of Alabama 1975, §22-22-1(b)(3) and those effluent characteristics, excluding flow, specified in Part I.A. of this Permit.

37. Pollutant of Concern - means those pollutants for which a water body is listed as impaired or which contribute to the listed impairment.

38. Pollution Abatement and/or Prevention Plan (PAP Plan) – mining operations plan developed to minimize impacts on water quality to avoid a contravention of the applicable water quality standards as defined in ADEM Admin. Code r. 335-6-9-.03

39. Preparation, Dry - means a dry preparation facility within which the mineral/material is cleaned, separated, or otherwise processed without use of water or chemical additives before it is shipped to the customer or otherwise utilized. A dry preparation plant includes all ancillary operations and structures necessary to clean, separate, or otherwise process the mineral/material, such as storage areas and loading facilities. Dry preparation also includes minor water spray(s) used solely for dust suppression on equipment and roads to minimize dust emissions.

40. Preparation, Wet - means a wet preparation facility within which the mineral/material is cleaned, separated, or otherwise processed using water or chemical additives before it is shipped to the customer or otherwise utilized. A wet preparation plant includes all ancillary operations and structures necessary to clean, separate, or otherwise process the mineral/material, such as storage areas and loading facilities. Wet preparation also includes mineral extraction/processing by dredging, slurry pumping, etc.

41. Privately Owned Treatment Works - means any devices or system which is used to treat wastes from any facility whose operator is not the operator of the treatment works, and which is not a "POTW".

42. Publicly Owned Treatment Works (POTW) - means a wastewater collection and treatment facility owned by the State, municipality, regional entity composed of two or more municipalities, or another entity created by the State or local authority for the purpose of collecting and treating municipal wastewater.

43. Receiving Stream - means the "waters" receiving a "discharge" from a "point source".

44. Severe property damage - means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

45. 10-year, 24-hour precipitation event - means that amount of precipitation which occurs during the maximum 24-hour precipitation event with a probable recurrence interval of once in ten years as

defined by the National Weather Service and Technical Paper No. 40, "Rainfall Frequency Atlas of the U.S.," May 1961, or equivalent regional or rainfall probability information developed therefrom.

46. TKN - means the pollutant parameter Total Kjeldahl Nitrogen.

47. TON - means the pollutant parameter Total Organic Nitrogen.

48. TRC - means Total Residual Chlorine.

49. TSS – means the pollutant parameter Total Suspended Solids

50. Treatment facility and treatment system - means all structures which contain, convey, and as necessary, chemically or physically treat mine and/or associated preparation plant drainage, which remove pollutants limited by this Permit from such drainage or wastewater. This includes all pipes, channels, ponds, tanks, and all other equipment serving such structures.

51. 24HC - means 24-hour composite sample, including any of the following:

    a. The mixing of at least 12 equal volume samples collected at constant time intervals of not more than 2 hours over a period of 24 hours;

    b. A sample collected over a consecutive 24-hour period using an automatic sampler composite to one sample. As a minimum, samples shall be collected hourly and each shall be no more than one twenty-fourth (1/24) of the total sample volume collected; or

    c. A sample collected over a consecutive 24-hour period using an automatic composite sampler composited proportional to flow.

52. 24-hour precipitation event - means that amount of precipitation which occurs within any 24-hour period.

53. 2-year, 24-hour precipitation event - means the maximum 24-hour precipitation event with a probable recurrence interval of once in two years as defined by the National Weather Service and Technical Paper No. 40, "Rainfall Frequency Atlas of the U.S.," May 1961, or equivalent regional or rainfall probability information developed therefrom.

54. Upset - means an exceptional incident in which there is an unintentional and temporary noncompliance with technology-based permit discharge limitations because of factors beyond the control of the Permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate facilities, lack of preventive maintenance, or careless or improper operation.

55. Waters - means "[a]ll waters of any river, stream, watercourse, pond, lake, coastal, ground or surface water, wholly or partially within the State, natural or artificial. This does not include waters which are entirely confined and retained completely upon the property of a single individual, partnership, or corporation unless such waters are used in interstate commerce." Code of Alabama 1975, §22-22-1(b)(2). "Waters" include all "navigable waters" as defined in §502(7) of the FWPCA, 33 U.S.C. §1362(7), which are within the State of Alabama.

56. Week - means the period beginning at twelve midnight Saturday and ending at twelve midnight the following Saturday.

57. Weekly (7-day and calendar week) Average – is the arithmetic mean of all samples collected during a consecutive 7-day period or calendar week, whichever is applicable. The calendar week is defined as beginning on Sunday and ending on Saturday. Weekly averages shall be calculated for all calendar weeks with Saturdays in the month. If a calendar week overlaps two months (i.e., the

Sunday is in one month and the Saturday in the following month), the weekly average calculated for the calendar week shall be included in the data for the month that contains the Saturday.

E. SEVERABILITY

The provisions of this Permit are severable, and if any provision of this Permit or the application of any provision of this Permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit, shall not be affected thereby.

F. PROHIBITIONS AND ACTIVIES NOT AUTHORIZED

1. Discharges from disposal or landfill activities as described in ADEM Admin. Code div. 335-13 are not authorized by this Permit unless specifically approved by the Department.

2. Relocation, diversion, or other alteration of a water of the State is not authorized by this Permit unless specifically approved by the Department.

3. Lime or cement manufacturing or production and discharge of process waters from such manufacturing or production is not authorized by this Permit unless specifically approved by the Department.

4. Concrete or asphalt manufacturing or production and discharge of process waters from such manufacturing or production is not authorized by this Permit unless specifically approved by the Department.

5. The discharge of wastewater, generated by any process, facility, or by any other means not under the operational control of the Permittee or not identified in the application for this Permit or not identified specifically in the description of an outfall in this Permit is not authorized by this Permit.

G. DISCHARGES TO IMPAIRED WATERS

1. This Permit does not authorize new sources or new discharges of pollutants of concern to inpaired waters unless consistent with an EPA-approved or EPA-established Total Maximum Daily Load (TMDL) and applicable State law, or unless compliance with the limitations and requirements of the Permit ensure that the discharge will not contribute to further degradation of the receiving stream. Impaired waters are those that do not meet applicable water quality standards and are identified on the State of Alabama's §303(d) list or on an EPA-approved or EPA-established TMDL. Pollutants of concern are those pollutants for which the receiving water is listed as impaired or contribute to the listed impairment.

2. Facilities that discharge into a receiving stream which is listed on the State of Alabama's §303(d) list of impaired waters, and with discharges that contain the pollutant(s) for which the waters are impaired, must within six (6) months of the Final §303(d) list approval, document in its BMP plan how the BMPs will control the discharge of the pollutant(s) of concern, and must ensure that there will be no increase of the pollutants of concern. A monitoring plan to assess the effectiveness of the BMPs in achieving the allocations must also be included in the BMP plan.

3. If the facility discharges to impaired waters as described above, it must determine whether a TMDL has been developed and approved or established by EPA for the listed waters. If a TMDL is approved or established during this Permit cycle by EPA for any waters into which the facility discharges, the facility must review the applicable TMDL to see if it includes requirements for control of any water discharged by the Permittee. Within six (6) months of the date of TMDL approval or establishment, the facility must notify the Department on how it will modify its BMP plan to include best management practices specifically targeted to achieve the allocations prescribed

by the TMDL, if necessary. Any revised BMP plans must be submitted to the Department for review. The facility must include in the BMP plan a monitoring component to assess the effectiveness of the BMPs in achieving the allocations.

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
WATER DIVISION

NPDES INDIVIDUAL PERMIT RATIONALE

Company Name:	Wade Sand and Gravel Company, Inc.
Facility Name:	East Thomas Limestone Plant
County:	Jefferson
Permit Number:	AL0025194
Prepared by:	William McClimans
Date:	May 22, 2026
Receiving Waters:	Village Creek and Unnamed Tributaries to Village Creek
Permit Coverage:	Limestone Quarry, Dry and Wet Preparation, Transportation and Storage, and Associated Areas
SIC Code:	1422

The Department has made a tentative determination that the available information is adequate to support reissuance and modification of this permit. The modification includes the deletion of outfall 001 and the addition of outfalls 005 through 007. Outfall 001 is being deleted due to the water being routed to outfall 002 for discharge.

This proposed permit covers a dry and wet preparation limestone quarry, transportation and storage, and associated areas which discharge to surface waters of the state.

The proposed permit authorizes treated discharges into Village Creek classified as Limited Warmwater Fishery (LWF) and to Unnamed Tributaries of Village Creek classified as Fish and Wildlife (F&W) per ADEM Admin. Code ch. 335-6-11. If the requirements of the proposed permit are fully implemented, the facility will not discharge pollutants at levels that will cause or contribute to a violation of the LWF and F&W classification(s).

Full compliance with the proposed permit terms and conditions is expected to be protective of instream water quality and ensure consistency with applicable instream State water quality standards (WQS) for the receiving stream.

Technology Based Effluent Limits (TBELs) for crushed stone mining facilities can be found in 40 CFR 436.22(a)(1) and (2) for facilities that recycle waste water for use in processing and mine dewatering, respectively. The TBELs were promulgated for existing dischargers using the Best Practicable Control Technology Available (BPT). New Source Performance Standards (NSPS) have not yet been developed by the EPA for the Crushed Stone Subcategory.

Discharge limitations for pH of 6.0 – 8.5 s.u. are based on instream water quality standards for streams classified as Fish & Wildlife found in ADEM Admin. Code r. 335-6-10-.09. Also, the discharge shall not

cause the in-stream pH to deviate more than 1.0 s.u. from the normal or natural pH, nor be less than 6.0 s.u. nor greater than 8.5 s.u.
The TBELs for 40 CFR 436 Subpart B do not include limitations for Total Suspended Solids (TSS). TSS is classified as a conventional pollutant in 40 CFR 401.16 and is expected to be discharged from this type of facility. Therefore, monthly average and daily maximum effluent limitations for TSS are those proposed by the EPA for crushed stone mine drainage in the *Development Document for Effluent Limitations Guidelines and New Source Performance Standards for the Mineral Mining and Processing Pont Source Category* (July 1979).

The applicant has requested, in accordance with 40 CFR Part 122.21 and their NPDES permit application, a waiver from testing for the Part A, B, and C pollutants listed in the EPA Form 2C and 2D that are not addressed in their application. They have also certified that due to the processes involved in their mining activity these pollutants are believed to be not present in the waste stream.

The Pollution Abatement/Prevention (PAP) plan for this facility has been prepared by a professional engineer (PE) registered in the State of Alabama and is designed to ensure reduction of pollutants in the waste stream to a level that, if operated properly, the discharge will not contribute to or cause a violation of applicable State WQS. The proposed permit terms and conditions are predicated on the basis of ensuring a reduction of pollutants in the discharge to a level that reduces the potential of contributing to or causing a violation of applicable State WQS.

In accordance with ADEM Admin. Code r. 335-6-3-.07 the design PE, as evidenced by their seal and/or signature on the application, has accepted full responsibility for the effectiveness of the waste treatment facility to treat the Permittee's effluent to meet NPDES permit limitations and requirements, and to fully comply with Alabama's WQS, when such treatment facilities are properly operated.

If there is a reasonable potential that a pollutant present in the treated discharges from a facility could cause or contribute to a contravention of applicable State WQS above numeric or narrative criteria, 40 CFR Part 122 requires the Department to establish effluent limits using calculated water quality criterion, establish effluent limits on a case-by-case basis using criteria established by EPA, or establish effluent limits based on an indicator parameter. Based on available information, potential pollutants discharged from this facility, if discharged within the concentrations allowed by this permit, would not have a reasonable potential to cause or contribute to a contravention of applicable State WQS.

Pursuant to ADEM Admin. Code r. 335-6-6-.12(r) this permit requires the Permittee to design and implement a Spill Prevention Control and Countermeasures (SPCC) plan for all stored chemicals, fuels and/or stored pollutants that have the potential to discharge to a water of the State. This plan must meet the minimum engineering requirements as defined in 40 CFR Part 112 and must provide for secondary containment adequate to control a potential spill.

The proposed permit authorizes treated discharges into Village Creek (AL03160111-0408-102), a stream segment which has an approved Total Maximum Daily Load (TMDL) for Nutrients, Pathogens, pH, Siltation, and Metals (Zinc).

Nutrients and Pathogens
The TMDL does not consider discharges from a regulated activity of this type to be a significant contributor of nutrients. Pathogens are not expected to be discharged at levels of concern from this type of facility; therefore, no limitation or monitoring requirements are proposed for either pollutant.

pH

pH will range from 6.0 s.u. for daily minimum and 8.5 s.u. for daily maximum which is established by the TMDL.

Siltation

For sedimentation, the limit is 8.3 lbs/acre/hr. Based on the permit application, Wade Sand and Gravel's discharge will be no greater than the 8.3 lbs/acre/hr limit (see below table). Therefore, the limitations imposed by this permit for TSS of 25 mg/L for monthly average and 45 mg/L for daily maximum shall be protective of the receiving stream and compliant with the TMDL.

Outfall #	Flow (cfs)	TSS (lbs/day)	Drainage Area (acres)	Load in TMDL Units (lbs/acre/hr)
002	0.097	10.5	108	0.004
003	0.018	1.9	20	0.004
004	0.097	10.5	108	0.004
005	0.023	2.5	26	0.004
006	0.016	1.8	18	0.004
007	0.014	1.5	15	0.004

Metals (Zinc)

The TMDL consider impairment of Village Creek to be caused by abandoned mining activities, industrial spills, and urban runoff. If the requirements of the proposed permit and pollution abatement plan are fully implemented, there is reasonable assurance that the facility will not discharge pollutants at levels that will cause or contribute to any further impairment of Village Creek.

The applicant is proposing discharges to a stream segment or other State water that is included on Alabama's current CWA §303(d) list for Pesticides. The pesticide impairment is attributed to urban runoff/storm sewers and discharges from this type of facility are not expected to contribute to the impairment. Therefore, no discharge limitations or monitoring requirements for pesticides are proposed.

The applicant is proposing discharges of pollutants to an ADEM identified Tier 1 water. If the requirements of the proposed permit and pollution abatement plan are fully implemented, there is reasonable assurance that discharges from the facility will not contain pollutants of concern contributing to the Tier 1 condition, pollutants causing or contributing to the Tier 1 condition will not be present in the discharge at significant levels, and/or the facility will not discharge pollutants at levels that will cause or contribute to a violation of applicable State WQS in the Tier 1 water.

The proposed permit action authorizes new discharges of pollutants to receiving waters determined by the Department to be waters where the quality exceeds levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water (Tier II). Pursuant to ADEM Admin. Code r. 335-6-10 (Antidegradation Policy and Implementation of the Antidegradation Policy), the applicant has submitted and the Department has reviewed and considered information regarding (1) demonstration of necessity/importance, (2) alternatives analysis, and (3) calculations of total annualized costs for technically feasible treatment alternatives regarding the proposed new discharges to Tier II waters. The Department has determined, based on the applicant's demonstration, that the proposed new discharges to the Tier II waters are necessary for important economic or social development in the area in which the waters are located.

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
WATER DIVISION

ANTIDEGRADATION RATIONALE

Company Name: Wade Sand and Gravel Company, Inc.

Facility Name: East Thomas Limestone Plant

County: Jefferson

Permit Number: AL0025194

Prepared by: William McClimans

Date: May 22, 2026

Receiving Waters: Unnamed Tributaries to Village Creek

Stream Category: Tier II as defined by ADEM Admin. Code 335-6-10-.12

Discharge Description: This proposed permit covers a limestone quarry, dry and wet preparation, transportation and storage, and associated areas which discharge to surface waters.

The following preliminary determination was prepared in accordance with ADEM Admin. Code 335-6-10-.12 (7) (c):

The Department has reviewed the information submitted by applicant in accordance with ADEM Admin. Code 335-6-10-.12(9). The applicant has demonstrated that there are no technically or economically viable treatment options in its alternatives analysis that would completely eliminate a direct discharge.

The permit applicant has indicated that the following economic and social benefits will result from this project:

1. The Permittee pays approximately $1,132,000 per year in taxes which include state severance tax, payroll taxes, county sales taxes, state sales taxes, city sales taxes, fuel taxes and property taxes.
2. The materials processed through this facility will be used primarily in the production of asphalt and concrete. Many of these materials are used in public works projects such as roads. Locally supplied materials reduce the cost of these public projects and save taxpayers money.
3. Wade Sand and Gravel provide a variety of jobs to the local community. These jobs range from laborers to professionals. A variety of taxes are paid into the local, state and federal governments. A portion of this money is used in the local school system.

The Department has determined that the discharge proposed by the permit applicant is necessary for important economic and social development in the area of the outfall location in the receiving water.

Reviewed By: Ange Boatwright

Date: May 22, 2026

NPDES Individual Permit - Modification/Reissuance - Mining (Form 315)

version 4.9

(Submission #: HQ4-PW9Z-1WVS8, version 3)

Details

Submission ID HQ4-PW9Z-1WVS8

Form Input

General Instructions

NPDES Individual Application - Mining and Coalbed Methane Operations - Mod/Reissuance (Form 315/549)

PLEASE CONTACT YOUR ASSIGNED PERMIT CONTACT TO DISCUSS THE TYPE OF MODIFICATION YOU SHOULD APPLY FOR BEFORE COMPLETING THIS FORM.

This form should be used to submit the following permit requests for individually permitted Mining and Coalbed Methane Operations:

Modifications/Reissuances that include Permit Transfers and/or Permittee/Facility Name Changes
Minor Modifications
Major Modifications
Reissuances
Reissuance of a permit on or after the current permit's expiration date
Revocation and Reissuance before the current permit's expiration date

Please complete all questions and attach all necessary documentation as prompted throughout the application process. Incomplete or incorrect information will delay processing.

Applicable Fees:
Minor Modifications
$3,400 (Mineral/Resource Extraction Mining, Storage Transloading, Dry Processing)
$3.940 (Wet Preparation, Processing, Beneficiation)
$3,940 (Coalbed Methane Operations)
Major Modifications
$5,820 (Mineral/Resource Extraction Mining, Storage Transloading, Dry Processing)
$6,860 (Wet Preparation, Processing, Beneficiation)
$6,860 (Coalbed Methane Operations)
Reissuances
$5,820 (Mineral/Resource Extraction Mining, Storage Transloading, Dry Processing)
$6,860 (Wet Preparation, Processing, Beneficiation)
$6,860 (Coalbed Methane Operations)
Potential Add-on Fees for Major Modifications and Reissuances
$1,015 (Biomonitoring & Toxicity Limits)
$2,705 (Review of Model Performed by Others)
$4,855 (Modeling – desktop)
For assistance, please click here to determine the permit staff responsible for the site or call (334) 394-4372.

Processing Information

Purpose of Application
Reissuance and Modification of Permit Due to Approaching Expiration

Please indicate if the Permittee is applying for a permit transfer and/or name change in addition to permit modification or reissuance:
None

Action Type
Reissuance with Modification

Briefly describe any planned changes at the facility that are included in this reissuance application:
Removing Outfall 001, Adding three additional outfalls

Is this a coalbed methane operation?
No

Permit Information

Permit Number
AL0025194

Current Permittee Name
Wade Sand and Gravel Company, Inc.

Permittee

Permittee Name
Wade Sand and Gravel Company, Inc.

Mailing Address

P.O. BOX 39048

Birmingham, AL 35204

Responsible Official

Prefix
Mr.

First Name	Last Name
Robin A	Wade III

Title
President

Organization Name
Wade Sand and Gravel Company, Inc.

Phone Type	Number	Extension
Business	2055311979	

Email
raw3@bham.rr.com

Mailing Address

1200 10th Street West

P O BOX 39048

Birmingham, AL 35204

Existing Permit Contacts

Affiliation Type	Contact Information	Remove?
Authorized Rep,DMR Contact	Robin A Wade III, Wade Sand and Gravel Company, Inc.	Keep
Notification Recipient,Responsible Official	Robin A. Wade, III, Wade Sand and Gravel Company, Inc.	Keep
Permittee	Wade Sand and Gravel Company, Inc.	Keep

Facility/Operations Information

Facility/Operations Name
East Thomas Limestone Plant

Permittee Organization Type
Corporation

Parent Corporation and Subsidiary Corporations of Applicant, if any:
N/A

Landowner(s) Name, Address and Phone Number:
Wade Sand and Gravel Company, Inc.

Sub-contractor(s)/Operator(s), if known:
N/A

Is the ﷺCompany/Permitteeﷺ properly registered and in good standing with the Alabama Secretary of Stateﷺs office?
Yes

Facility/Operations Address or Location Description

1200 10th Street West
Birmingham, AL 35204

Facility/Operations County (Front Gate)
Jefferson

Do the operations span multiple counties?
No

Detailed Directions to the Facility/Operations
Exit I-59 onto Hwy 78 North. Turn left onto 12th Street West

Please refer to the link below for Lat/Long map instruction help:
Map Instruction Help

Facility/Operations Front Gate Latitude and Longitude
33.52910000000000,-86.86800000000000

1200 10th Street West, Birmingham, AL

CORRECTION REQUEST *(CORRECTED)*
Front Gate Location

Please correct the latitude and longitude to location of the front gate to the facility.
Created on 5/30/2025 12:08 PM by **Ange Boatwright**

1 COMMENT
William McClimans (wdm@adem.alabama.gov) (4/28/2026 7:10 AM)
Coordinates are not for front gate.

Township(s), Range(s), Section(s) (Note: If you are submitting multiple TRSs, please separate each TRS by a semicolon. Example: T19S,R1E,S15; T20S,R2E,S16)
T17S, R3W, S28, S29, S32, S33

SIC Code(s) [Please select your primary SIC code first]:
1422-Crushed and Broken Limestone

NAICS Code(s) [Please select your primary NAICS code first]:
212312-Crushed and Broken Limestone Mining and Quarrying

Facility/Operations Contact

Prefix
Mr.

First Name	Last Name
Robin A	Wade III

Title
President

Organization Name
Wade Sand and Gravel Company, Inc.

Phone Type	Number	Extension
Business	2055311979	

Email
raw3@bham.rr.com

Member Information

Identify the name, title/position, and unless waived in writing by the Department, the resident address of every officer (a PO Box is not acceptable), general partner, LLP partner, LLC member, investor, director, or person performing a function similar to a director, of the applicant, and each person who is the record or beneficial owner of 10 percent or more of any class of voting stock of the applicant, or any other responsible official(s) of the applicant with legal or decision making responsibility or authority for the facility/operations (if this does not apply, then enter N/A after selecting "Manually Enter in Table"):

List of Names/Titles/Addresses will be entered by:
Manually Entering in Table

Name	Title/Position	Physical Address of Residence
Robin A. Wade, III	President	7 Rockdale Lane, Birmingham, AL 35213
Richard J. Waid	Vice President, CFO	2824 Lakewood Trace, Birmingham, AL 35242
Kirby Kennedy	Secretary/Treasurer	305 Oak Trace, Hoover, AL 35244

Other than the ◆Company/Permittee", identify the name of each corporation, partnership, association, and single proprietorship for which any individual identified above is or was an officer, general partner, LLP partner, LLC member, investor, director, or individual performing a function similar to a director, or principal (10% or more) stockholder, that had an Alabama NPDES permit at any time during the five year (60 month) period immediately preceding the date on which this form is signed (if this does not apply, then enter N/A after selecting "Manually Enter in Table"):

List of Corporations/Partnerships/etc, Names and Titles will be entered by:
Manually Entering in Table

Name of Corporation, Partnership, Association, or Single Proprietorship	Name of Individual	Title/Position in Corporation, Partnership, Association, or Single Proprietorship
Wade Sand and Gravel Company, Inc.	Robin A. Wade, III	President
Red Bluff Sand and Gravel, LLC	Robin A. Wade, III	Manager
Superior Products, Inc.	Robin A. Wade, III	President

Additional Contacts (1 of 1)

ADDITIONAL CONTACTS:

Contact Type
NONE PROVIDED

Contact

First Name **Last Name**
NONE PROVIDED *NONE PROVIDED*

Title
NONE PROVIDED

Organization Name
NONE PROVIDED

Phone Type **Number** **Extension**
NONE PROVIDED

Email
NONE PROVIDED

Address
[NO STREET ADDRESS SPECIFIED]
[NO CITY SPECIFIED], AL *[NO ZIP CODE SPECIFIED]*

Compliance History

Has the applicant ever had any of the following:

Event	Apply?
An Alabama NPDES, SID, or UIC permit suspended or terminated	No
An Alabama or federal environmental permit suspended/terminated	No
An Alabama State Oil Gas Board permit or other approval suspended or terminated	No
An Alabama or federal performance/environmental bond, or similar security deposited in lieu of a bond, or portion thereof, forfeited	No

Has the applicant, parent corporation, subsidiary, general partner, LLP partner, or LLC Member had any Warning Letters, Notice of Violations (NOVs), Administrative Actions, or litigation filed by ADEM or EPA during the three year (36 month) period preceding the date on which this form is signed?
No

For this facility, list any other NPDES or other environmental permits (including permit numbers), authorizations, or certifications that have been applied for or issued within the State by ADEM, EPA, Alabama Department of Labor (ADOL), US Army Corp of Engineers (USACE), or other agency, to the applicant, parent corporation, subsidiary, or LLC member whether presently effective, expired, suspended, revoked, or terminated:
ALR000015230 (EPA ID Number)
AL0025194 (NPDES)
ALD000622829 (PCB Cleanup)

For other facilities, list any other NPDES or other ADEM permits (including permit numbers), authorizations, or certifications that have been applied for or issued within the State by ADEM, EPA, ASMC, ADOL, or USACE, to the applicant, parent corporation, subsidiary, or LLC member whether presently effective, expired, suspended, revoked, or terminated:
N/A

Anti-Degradation Evaluation

Pursuant to ADEM Admin. Code ch. 335-6-10-.12(9), responses to the following questions must be provided by the applicant requesting NPDES permit coverage for new or expanded discharges of pollutant(s) to Tier 2 waters (except discharges eligible for coverage under general permits). As part of the permit application review process, the Department is required to consider, based on the applicant's demonstration, whether the proposed new or increased discharge to Tier 2 waters is necessary for important economic or social development in the area in which the waters are located. Does this modification/reissuance include new or expanded discharges to Tier II water(s)?
Yes

CORRECTION REQUEST *(CORRECTED)*
Anti-Degradation Informaiton

The addition of new outfalls requires the submittal of anti-degradation information due to the outfalls going to an unnamed tributary.
Created on 4/23/2026 8:06 AM by **William McClimans**

NOTE

If the discharge is to a Tier II waterbody as defined in ADEM Admin. Code r. 335-6-10-.12(4), complete questions below, ADEM Form 311-Alternatives Analysis, and either ADEM Form 312 or ADEM Form 313- Calculation of Total Annualized Project Costs (Public-Sector or Private-Sector Projects, whichever is applicable). ADEM Form 312 or ADEM Form 313, whichever is applicable, must be provided for each treatment discharge alternative considered technically viable.
ADEM forms can be found on the Department's website here.

What environmental or public health problem will the discharger be correcting?
None

How much will the discharger be increasing employment (at its existing facility or as the result of locating a new facility)?
None

How much reduction in employment will the discharger be avoiding?
None

How much additional state or local taxes will the discharger be paying?
Wade Sand and Gravel averages approximately $1,132,000 per year. The taxes to be generated are as follows: State severance tax for product produced will be approximately $117,000/yr, employee payroll taxes will be approximately $265,000/yr, county sales taxes will be approximately $114,000/yr, state sales taxes will be approximately $232,000/yr, city sales tax will be approximately $223,000/yr, fuel taxes will be approximately $141,000/yr, property taxes will be approximately $40,000/yr.

What public service to the community will the discharger be providing?
The materials processed through this facility will be used primarily in the production of asphalt and concrete. Many of these materials are used in public works projects such as roads. Locally supplied materials reduce the cost of these public projects and save taxpayers money.

What economic or social benefit will the discharger be providing to the community?
Wade Sand and Gravel provides a variety of jobs to the local community. These jobs range from laborers to professional. A variety of taxes are paid into the local, state and federal governments. A portion of this money is used in the local school system.

Attach Form 311 (Alternative Analysis)
Form 311 Signed.pdf - 04/29/2026 09:04 AM
Comment
NONE PROVIDED

Please attach Form 312 (Public Sector Projects) or Form 313 (Private Sector Projects).
Form 313.pdf - 04/28/2026 04:30 PM
Comment
NONE PROVIDED

Activity Description & Information

Narrative description of activity(s):
Quarrying crushed and broken limestone, including related rocks, such as dolomite.

Total Facility/Operations Area (acres)
500.00

Total Disturbed Area (acres)
380.00

Anticipated Commencement Date
01/01/1932

Anticipated Completion Date
12/31/2080

Please identify which of the following apply to this operation:

Activity/Condition	Appy?
An existing facility/operation which currently results in discharges to State waters?	Yes

Activity/Condition	Appy?
A proposed facility/operation which will result in a discharge to State waters?	No
Be located within any 100-year flood plain?	No
Discharge to Municipal Separate Storm Sewer?	No
Discharge to waters of or be located in the Coastal Zone?	No
Need/have ADEM UIC permit coverage?	No
Be located on Indian/historically significant lands?	No
Need/have ADEM SID permit coverage?	No
Need/have ASMC permit coverage?	No
Need/have State Oil & Gas Board permit coverage?	No
Need/have ADOL permit coverage?	No
Generate, treat, store, or dispose of hazardous or toxic waste?	No
Be located in or discharge to a Public Water Supply (PWS) watershed or be located within mile of any PWS well?	No
Incised pit	Yes

Does your facility/operation use cooling water?
No

Material to be Removed, Processed, or Transloaded

Material To Be Removed, Processed, Or Transloaded (Note: Sum must equal 100.)

Mineral(s)/Mineral product(s)	%
Limestone, crushed limestone and dolomite	100
	Sum: 100

Proposed Activity To Be Conducted

Type(s) of activity presently conducted at applicant's existing facility or proposed to be conducted at facility (Select Yes or No)):

Activity	Apply?
Adjacent/associated asphalt/concrete plant(s)	Yes
Alternative fuels operation	No
Auger mining	No
Cement production	No
Chemical processing or leaching	No
Chemicals used in process or wastewater treatment (coagulant, biocide, etc.)	No
Construction related temporary borrow pits/areas	No
Creek/stream crossings	No
Dredging	No
Excavation	No
Grading, clearing, grubbing, etc.	No
Hydraulic mining	No
Hydraulic mining, dredging, instream or between stream-bank mining	No
Lime production	No
Low volume sewage treatment package plant	No
Mineral dry processing (crushing & screening)	Yes
Mineral loading	Yes
Mineral storing	Yes
Mineral transportation	Yes

Activity	Apply?
Mineral wet preparation	Yes
Onsite construction debris or equipment storage/disposal	No
Onsite mining debris or equipment storage/disposal	No
Other beneficiation & manufacturing operations	No
Pre-construction ponded water removal	No
Pre-mining logging or land clearing	No
Preparation plant waste recovery	No
Quarrying	Yes
Reclamation of disturbed areas	No
Solution mining	No
Surface mining	No
Synthetic fuel production	No
Underground mining	No
Waterbody relocation or other alteration	No
Within-bank mining	No

If the operation will include activities other than those listed above, please describe them below:
N/A

If the type of activity presently conducted or proposed is Mineral Transportation, please indicate which of the following apply:

Barge	Apply?
Barge	No
Rail	No
Truck	Yes

Fuel - Chemical Handling, Storage, & Spill Prevention Control & Countermeasures (SPCC) Plan

Will fuels, chemicals, compounds, or liquid waste be used or stored onsite?
Yes

Please identify the fuel, chemicals, compounds, or liquid waste and indicate the volume of each:

Volume (gallons)	Contents
3,000.0	Used oil
3,000.0	gasoline
8,000.0	diesel
8,000.0	diesel
1,000.0	hydraulic oil
1,000.0	hydraulic oil
1,000.0	hydraulic oil
1,000.0	hydraulic oil
1,000.0	anti-freeze
220.0	synthetic oil (drums)

SPCC Plan

East Thomas Limestone Plant - SPCC Plan.pdf - 04/20/2026 03:53 PM
Comment
NONE PROVIDED

ASMC Regulated Entities

Is this a coal mining operation regulated by ASMC?
No

Topographic Map Submittal

Topographic Map

Attach to this application a 7.5 minute series U.S.G.S. topographic map(s) or equivalent map(s) no larger than, or folded to a size of 8.5 by 11 inches (several pages may be necessary), of the area extending to at least one mile beyond property boundaries. The topographic or equivalent map(s) must include a caption indicating the name of the topographic map, name of the applicant, facility name, county, and township, range, & section(s) where the facility are located. Unless approved in advance by the Department, the topographic or equivalent map(s), at a minimum, must show: a) An accurate outline of the area to be covered by the permit (b) An outline of the facility (c) All existing and proposed disturbed areas (d) Location of intake and discharge areas (e) Proposed and existing discharge points (f) Perennial, intermittent, and ephemeral streams (g) Lakes, springs, water wells, wetlands (h) All known facility dirt/improved access/haul roads (i) All surrounding unimproved/improved roads (j) High-tension power lines and railroad tracks (k) Contour lines, township-range-section lines (l) Drainage patterns, swales, washes (m) All drainage conveyance/treatment structures (ditches, berms, etc.) (n) Any other pertinent or significant feature.

Topographic Map
Site Vicinity Maps.pdf - 08/05/2024 03:14 PM
Topo Map.pdf - 03/05/2026 11:09 AM
Comment
NONE PROVIDED

CORRECTION REQUEST *(APPROVED)*
Topo Map

The topo map needs to clearly mark the area to be covered by the permit outlined as accurately as possible. None of the 3 maps submitted appear to have the complete area marked.
Created on 6/3/2025 2:34 PM by **Ange Boatwright**

Detailed Facility Map Submittal

Detailed Facility Map
Detailed Facility Map.pdf - 03/05/2026 10:28 AM
Comment
NONE PROVIDED

Outfalls (1 of 7)

Outfall Identifier: 001

Feature Type
Outfall (External)

Outfall Identifier
001

Outfall Status
Existing

Please be aware that you should only mark an outfall status as existing if (1) the Department has been previously notified that it was constructed as proposed or (2) it began discharge prior to this application. A proposed outfall is one that is being newly added to the permit OR one that has never discharged or has never been authorized by the Department to discharge. Should you have any questions about which status to select, please contact the Department's permit engineer for this site.

Permit Action
Delete

Please do not add a new outfall unless you are requesting a modification that includes a new outfall. All of the currently permitted outfalls are already included in this form. If you add an outfall in error, please choose "Delete" under "Permit Action" for the outfall. If you have any questions, please contact your permit engineer BEFORE proceeding.

Outfalls (2 of 7)

Outfall Identifier: 002

Feature Type
Outfall (External)

Outfall Identifier
002

Outfall Status
Existing

> Please be aware that you should only mark an outfall status as existing if (1) the Department has been previously notified that it was constructed as proposed or (2) it began discharge prior to this application. A proposed outfall is one that is being newly added to the permit OR one that has never discharged or has never been authorized by the Department to discharge. Should you have any questions about which status to select, please contact the Department's permit engineer for this site.

Permit Action
Reissue

Receiving Water
Village Creek

Check below if the discharge enters the receiving water via an unnamed tributary.
NONE PROVIDED

Location of Outfall
33.52472200000000, -86.85444400000000

Are the location coordinates above still correct for this outfall?
Yes

Distance to Receiving Water (ft)
130.0

Disturbed Area (acres)
108.0

Drainage Area (acres)
108.0

303(d) Segment?
Yes

TMDL Segment?
Yes

NOTE

If a TMDL Compliance Schedule is requested, the following should be attached as supporting documentation: (1) Justification for the

requested Compliance Schedule (e.g., time for design and installation of control equipment, etc.); (2) Monitoring results for the pollutant(s) of concern which have not previously been submitted to the Department (sample collection dates, analytical results (mass and concentration), methods utilized, and MDL/ML, etc. should be submitted as available); (3) Requested interim limitations, if applicable; (4) Date of final compliance with the TMDL limitations; and (5) Any other additional information available to support the requested compliance schedule.

TMDL Attachments

NONE PROVIDED

Comment

NONE PROVIDED

Please do not add a new outfall unless you are requesting a modification that includes a new outfall. All of the currently permitted outfalls are already included in this form. If you add an outfall in error, please choose "Delete" under "Permit Action" for the outfall. If you have any questions, please contact your permit engineer BEFORE proceeding.

Outfalls (3 of 7)

Outfall Identifier: 003

Feature Type
Outfall (External)

Outfall Identifier
003

Outfall Status
Existing

> Please be aware that you should only mark an outfall status as existing if (1) the Department has been previously notified that it was constructed as proposed or (2) it began discharge prior to this application. A proposed outfall is one that is being newly added to the permit OR one that has never discharged or has never been authorized by the Department to discharge. Should you have any questions about which status to select, please contact the Department's permit engineer for this site.

Permit Action
Reissue

Receiving Water
Village Creek

Check below if the discharge enters the receiving water via an unnamed tributary.

NONE PROVIDED

Location of Outfall
33.52611100000000, -86.86555600000000

Are the location coordinates above still correct for this outfall?
Yes

Distance to Receiving Water (ft)
253.0

Disturbed Area (acres)
20.0

Drainage Area (acres)
20.0

303(d) Segment?
Yes

TMDL Segment?
Yes

NOTE

If a TMDL Compliance Schedule is requested, the following should be attached as supporting documentation: (1) Justification for the requested Compliance Schedule (e.g., time for design and installation of control equipment, etc.); (2) Monitoring results for the pollutant(s) of concern which have not previously been submitted to the Department (sample collection dates, analytical results (mass and concentration), methods utilized, and MDL/ML, etc. should be submitted as available); (3) Requested interim limitations, if applicable; (4) Date of final compliance with the TMDL limitations; and (5) Any other additional information available to support the requested compliance schedule.

TMDL Attachments
NONE PROVIDED
Comment
NONE PROVIDED

Please do not add a new outfall unless you are requesting a modification that includes a new outfall. All of the currently permitted outfalls are already included in this form. If you add an outfall in error, please choose "Delete" under "Permit Action" for the outfall. If you have any questions, please contact your permit engineer BEFORE proceeding.

Outfalls (4 of 7)

Outfall Identifier: 004

Feature Type
Outfall (External)

Outfall Identifier
004

Outfall Status
Existing

Please be aware that you should only mark an outfall status as existing if (1) the Department has been previously notified that it was constructed as proposed or (2) it began discharge prior to this application. A proposed outfall is one that is being newly added to the permit OR one that has never discharged or has never been authorized by the Department to discharge. Should you have any questions about which status to select, please contact the Department's permit engineer for this site.

Permit Action
Reissue

Receiving Water
Village Creek

Check below if the discharge enters the receiving water via an unnamed tributary.
NONE PROVIDED

Location of Outfall
33.52083300000000, -86.87305600000001

Are the location coordinates above still correct for this outfall?
Yes

Distance to Receiving Water (ft)
81.0

Disturbed Area (acres)
108.0

Drainage Area (acres)
108.0

303(d) Segment?
Yes

TMDL Segment?
Yes

NOTE

If a TMDL Compliance Schedule is requested, the following should be attached as supporting documentation: (1) Justification for the requested Compliance Schedule (e.g., time for design and installation of control equipment, etc.); (2) Monitoring results for the pollutant(s) of concern which have not previously been submitted to the Department (sample collection dates, analytical results (mass and concentration), methods utilized, and MDL/ML, etc. should be submitted as available); (3) Requested interim limitations, if applicable; (4) Date of final compliance with the TMDL limitations; and (5) Any other additional information available to support the requested compliance schedule.

TMDL Attachments

NONE PROVIDED

Comment

NONE PROVIDED

Please do not add a new outfall unless you are requesting a modification that includes a new outfall. All of the currently permitted outfalls are already included in this form. If you add an outfall in error, please choose ﷺDeleteﷺ under ﷺPermit Actionﷺ for the outfall. If you have any questions, please contact your permit engineer BEFORE proceeding.

Outfalls (5 of 7)

Outfall Identifier: 005

Feature Type
Outfall (External)

Outfall Identifier
005

Outfall Status
Proposed

> Please be aware that you should only mark an outfall status as existing if (1) the Department has been previously notified that it was constructed as proposed or (2) it began discharge prior to this application. A proposed outfall is one that is being newly added to the permit OR one that has never discharged or has never been authorized by the Department to discharge. Should you have any questions about which status to select, please contact the Department's permit engineer for this site.

Permit Action
Add

Receiving Water
Village Creek

Check below if the discharge enters the receiving water via an unnamed tributary.
Unnamed Tributary

Location of Outfall
33.526915,-86.870418

Are the location coordinates above still correct for this outfall?
Yes

Distance to Receiving Water (ft)
10.0

Disturbed Area (acres)
26.0

Drainage Area (acres)
26.0

303(d) Segment?
Yes

TMDL Segment?
Yes

NOTE

If a TMDL Compliance Schedule is requested, the following should be attached as supporting documentation: (1) Justification for the requested Compliance Schedule (e.g., time for design and installation of control equipment, etc.); (2) Monitoring results for the pollutant(s) of concern which have not previously been submitted to the Department (sample collection dates, analytical results (mass and concentration), methods utilized, and MDL/ML, etc. should be submitted as available); (3) Requested interim limitations, if applicable; (4) Date of final compliance with the TMDL limitations; and (5) Any other additional information available to support the requested compliance schedule.

TMDL Attachments

NONE PROVIDED

Comment

NONE PROVIDED

Please do not add a new outfall unless you are requesting a modification that includes a new outfall. All of the currently permitted outfalls are already included in this form. If you add an outfall in error, please choose ﷺDeleteﷺ under ﷺPermit Actionﷺ for the outfall. If you have any questions, please contact your permit engineer BEFORE proceeding.

Outfalls (6 of 7)

Outfall Identifier: 006

Feature Type
Outfall (External)

Outfall Identifier
006

Outfall Status
Proposed

Please be aware that you should only mark an outfall status as existing if (1) the Department has been previously notified that it was constructed as proposed or (2) it began discharge prior to this application. A proposed outfall is one that is being newly added to the permit OR one that has never discharged or has never been authorized by the Department to discharge. Should you have any questions about which status to select, please contact the Department's permit engineer for this site.

Permit Action
Add

Receiving Water
Village Creek

Check below if the discharge enters the receiving water via an unnamed tributary.
Unnamed Tributary

Location of Outfall
33.529292,-86.869774

Are the location coordinates above still correct for this outfall?
Yes

Distance to Receiving Water (ft)
10.0

Disturbed Area (acres)
18.0

Drainage Area (acres)
18.0

303(d) Segment?
Yes

TMDL Segment?
Yes

NOTE

If a TMDL Compliance Schedule is requested, the following should be attached as supporting documentation: (1) Justification for the requested Compliance Schedule (e.g., time for design and installation of control equipment, etc.); (2) Monitoring results for the pollutant(s) of concern which have not previously been submitted to the Department (sample collection dates, analytical results (mass and concentration), methods utilized, and MDL/ML, etc. should be submitted as available); (3) Requested interim limitations, if applicable; (4) Date of final compliance with the TMDL limitations; and (5) Any other additional information available to support the requested compliance schedule.

TMDL Attachments
NONE PROVIDED
Comment
NONE PROVIDED

Please do not add a new outfall unless you are requesting a modification that includes a new outfall. All of the currently permitted outfalls are already included in this form. If you add an outfall in error, please choose "Delete" under "Permit Action" for the outfall. If you have any questions, please contact your permit engineer BEFORE proceeding.

Outfalls (7 of 7)

Outfall Identifier: 007

Feature Type
Outfall (External)

Outfall Identifier
007

Outfall Status
Proposed

Please be aware that you should only mark an outfall status as existing if (1) the Department has been previously notified that it was constructed as proposed or (2) it began discharge prior to this application. A proposed outfall is one that is being newly added to the permit OR one that has never discharged or has never been authorized by the Department to discharge. Should you have any questions about which status to select, please contact the Department's permit engineer for this site.

Permit Action
Add

Receiving Water
Village Creek

Check below if the discharge enters the receiving water via an unnamed tributary.
Unnamed Tributary

Location of Outfall
33.528651,-86.864914

Are the location coordinates above still correct for this outfall?
Yes

Distance to Receiving Water (ft)
500.0

Disturbed Area (acres)
15.0

Drainage Area (acres)
15.0

303(d) Segment?
Yes

TMDL Segment?
Yes

NOTE

If a TMDL Compliance Schedule is requested, the following should be attached as supporting documentation: (1) Justification for the requested Compliance Schedule (e.g., time for design and installation of control equipment, etc.); (2) Monitoring results for the pollutant(s) of concern which have not previously been submitted to the Department (sample collection dates, analytical results (mass and concentration), methods utilized, and MDL/ML, etc. should be submitted as available); (3) Requested interim limitations, if applicable; (4) Date of final compliance with the TMDL limitations; and (5) Any other additional information available to support the requested compliance schedule.

TMDL Attachments
NONE PROVIDED
Comment
NONE PROVIDED

Please do not add a new outfall unless you are requesting a modification that includes a new outfall. All of the currently permitted outfalls are already included in this form. If you add an outfall in error, please choose ﷺDeleteﷺ under ﷺPermit Actionﷺ for the outfall. If you have any questions, please contact your permit engineer BEFORE proceeding.

Discharge Characterization

EPA Form 2C, EPA Form 2D, and/or ADEM Form 567 Submittal
Yes, pursuant to 40 CFR 122.21, the applicant requests a waiver for completion of EPA Form 2C, EPA Form 2D, and ADEM Form 567 and certifies that the operating facility will discharge treated stormwater only; that chemical/compound additives are not used (unless waived in writing by the Department on a programmatic, categorical, or individual compound/chemical basis); that there are no process, manufacturing, or other industrial operations or wastewaters, including but not limited to lime or cement production and synfuel operations; and that coal and coal products are not mined nor stored onsite.

Please download the following Excel file to enter your information. Once complete, please attach to the below control.
Download spreadsheet here.

Required attachment:
Discharge Characterization.pdf - 04/09/2026 02:36 PM
Comment
NONE PROVIDED

Please download the following Excel file to enter your information. Once complete, please attach to the below control.
Download spreadsheet here.

Required attachment:
Form315TableC.pdf - 04/09/2026 02:38 PM
Comment
NONE PROVIDED

Discharge Structure Description & Pollutant Source

Please download the following Excel file to enter your information. Once complete, please attach to the below control.
Download spreadsheet here.

Required attachment:
Discharge Structure.pdf - 04/09/2026 02:49 PM
Comment
NONE PROVIDED

Variance Request

Do you intend to request or renew one or more of the CWA technology variances authorized at 40 CFR 122.21(m)?
No

Pollution Abatement & Prevention (PAP) Plan Summary (1 of 1)

Outfall(s):
All Outfalls

Outfall Questions:	Please select one:
Runoff from all areas of disturbance is controlled	Yes
Drainage from pit area, stockpiles, and spoil areas directed to a sedimentation pond	Yes
Sedimentation basin at least 0.25 acre/feet for every acre of disturbed drainage	Yes
Sedimentation basin cleaned out when sediment accumulation is 60% of design capacity	Yes
Trees, boulders, and other obstructions removed from pond during initial construction	Yes
Width of top of dam greater than 12'	N/A
Side slopes of dam no steeper than 3:1	N/A
Cutoff trench at least 8' wide	N/A
Side slopes of cutoff trench no less than 1:1	N/A
Cutoff trench located along the centerline of the dam	N/A
Cutoff trench extends at least 2' into bedrock or impervious soil	N/A
Cutoff trench filled with impervious material	N/A
Embankments and cutoff trench 95% compaction standard proctor ASTM	N/A
Embankment free of roots, tree debris, stones >6" diameter, etc.	N/A
Embankment constructed in lifts no greater than 12"	N/A
Spillpipe sized to carry peak flow from a one year storm event	Yes
Spillpipe will not chemically react with effluent	Yes

Outfall Questions:	Please select one:
Subsurface withdrawal	No
Anti-seep collars extend radially at least 2' from each joint in spillpipe	Yes
Splashpad at the end of the spillpipe	Yes
Emergency Spillway sized for peak flow from 25-yr 24-hr event if discharge not into PWS classified stream	Yes
Emergency spillway sized for peak flow from 50-yr 24-hr event if discharge is into PWS classified stream	Yes
Emergency overflow at least 20' long	Yes
Side slopes of emergency spillway no steeper than 2:1	Yes
Emergency spillway lined with riprap or concrete	Yes
Minimum of 1.5' of freeboard between normal overflow and emergency overflow	Yes
Minimum of 1.5' of freeboard between max. design flow of emergency spillway and top of dam	Yes
All emergency overflows are sized to handle entire drainage area for ponds in series	Yes
Dam stabilized with permanent vegetation	N/A
Sustained grade of haul road <10%	Yes
Maximum grade of haul road <15% for no more than 300'	Yes
Outer slopes of haul road no steeper than 2:1	Yes
Outer slopes of haul road vegetated or otherwise stabilized	Yes
Detail drawings supplied for all stream crossings	Yes
Short-Term Stabilization/Grading And Temporary Vegetative Cover Plans	Yes
Long-Term Stabilization/Grading And Permanent Reclamation or Water Quality Remediation Plans	Yes

Identify and provide detailed explanation for any ‘N’ or ‘N/A’ response(s):
Sedimentation ponds are incised ponds, and do not have dams, cutoff trenches, nor external side slopes.
Incised ponds use overland flow as emergency spillways.

CORRECTION REQUEST *(CORRECTED)*

Stream crossings.

This states that the facility does not have any streams crossings. Map shows that there are four stream crossings. Please update and provide information in the PAP Plan for stream crossings.
Created on 4/28/2026 7:15 AM by **William McClimans**

1 COMMENT

Jonathan Whitlock (jwhitlock@mcgehee.org) (5/4/2026 2:14 PM)
The bridge drawings for the crossings on Village Creek were added as an attachment.

Pollution Abatement & Prevention (PAP) Plan Review Checklist

General Information:	Please select one:
PE Seal with License #	Yes
Name and Address of Operator	Yes
Legal Description of Facility	Yes
Name of Company	Yes
Number of Employees	Yes
Products to be Mined	Yes
Hours of Operation	Yes
Water Supply and Disposition	Yes

CORRECTION REQUEST *(CORRECTED)*

Hours of operation and number of employees

The PAP Plan does not include the hours of operation or the number employees for this location.
Created on 4/28/2026 7:17 AM by **William McClimans**

1 COMMENT

Jonathan Whitlock (jwhitlock@mcgehee.org) (4/29/2026 8:37 AM)

The hours of operation and the number of employees has been added to the PAP on Page 5.

Maps:	Please select one:
Topographic Map including Information from Part XIII (a) – (o) of this Application	Yes
1" = 500' or Equivalent Facility Map including Information from Part XIV of this Application	Yes

Detailed Design Diagrams:	Please select one:
Plan Views	Yes
Cross-section Views	Yes
Method of Diverting Runoff to Treatment Basins	Yes
Line Drawing of Water Flow through Facility with Water Balance or Pictorial Description of Water Flow	Yes

CORRECTION REQUEST *(CORRECTED)*

Narrative Account and Block Diagram

The PAP Plan needs to include a narrative account of operations including a block diagram indicating points of waste origin and its collection and disposal.
Created on 4/28/2026 7:21 AM by **William McClimans**

1 COMMENT

Jonathan Whitlock (jwhitlock@mcgehee.org) (5/19/2026 10:23 AM)

We have included a narrative account of the operations and a block diagram to the PAP.

Narrative of Operations:	Please select one:
Raw Materials Defined	Yes
Processes Defined	Yes
Products Defined	Yes

Schematic Diagram:	Please select one:
Points of Waste Origin	Yes
Collection System	Yes
Disposal System	Yes

Post Treatment Quantity and Quality of Effluent:	Please select one:
Flow	Yes
Suspended Solids	Yes
Iron Concentration	N/A
pH	Yes

Identify and provide detailed explanation for any "N" or "N/A" response(s):
Iron monitoring is not required

Description of Waste Treatment Facility:	Please select one:
Pre-Treatment Measures	Yes
Recovery System	Yes
Expected Life of Treatment Basin	Yes
Measures for Ensuring Access to All Treatment Structures and Related Appurtenances including Outfall Locations	Yes

Description of Waste Treatment Facility:	Please select one:
Schedule of Cleaning and/or Abandonment	Yes

Other:	Please select one:
Precipitation/Volume Calculations/Diagram Attached	Yes
BMP Plan for Haul Roads	Yes
Measures for Minimizing Impacts to Adjacent Stream (e.g., Buffer Strips, Berms)	Yes
Measures for Ensuring Appropriate Setbacks are Maintained at All Times	Yes
Methods for Minimizing Nonpoint Source Discharges	Yes
If Chemical Treatment Used, Methods for Ensuring Appropriate Dosage	No
Facility Closure Plans	No
PE Rationale(s) For Alternate Standards, Designs or Plans	Yes

Identify and provide detailed explanation for any "N" or "N/A" response(s):
NO Chemical treatment is used.
There are no facility closure plans in the near future.

Pollution Abatement & Prevention (PAP) Plan

Is this a coal mining operation regulated by ASMC?
No

PAP Plan (non-coal mining facilities)
East Thomas Limestone Quarry PAP 4-7-26.pdf - 05/19/2026 10:25 AM
Comment
NONE PROVIDED

CORRECTION REQUEST *(APPROVED)*
PAP Plan

The PAP Plan is dated May 5, 2016. Please provide an updated copy that includes an explanation for the removal of Outfall 001.
Created on 8/20/2025 4:45 PM by **Ange Boatwright**

Professional Engineer (PE)

Registration License Number
37129

Professional Engineer

Prefix
Mr.

First Name	Last Name
Jordan	McGehee

Title
Professional Engineer

Organization Name
McGehee Engineering Corp.

Phone Type	Number	Extension
Business	2052210686	

Email
jordan@mcgehee.org

Address

450 19th Street W

Jasper, AL 35501

Information for the Applicant

Please read the following information and acknowledge below:

Contact the Department prior to submittal with any questions or to request acceptable alternate content/format.

Be advised that you are not authorized to commence regulated activity until this application can be processed, publicly noticed, and approval to proceed is received in writing from the Department.

EPA Form(s) 1 and 2F need not be submitted unless specifically required by the Department. EPA Form(s) 2C and/or 2D are required to be submitted unless the
applicant is eligible for a waiver and the Department grants a waiver, or unless the relevant information required by EPA Form(s) 2C and/or 2D are submitted to the Department in an alternative format acceptable to the Department.

Planned/proposed mining sites that are greater than 5 acres, that mine/process coal or metallic mineral/ore, or that have wet or chemical processing, must apply for and obtain coverage under an Individual or General NPDES Permit prior to commencement of any land disturbance. Such Individual NPDES Permit coverage may be requested via this ADEM Form 315.

The applicant is advised to contact:
(1) The Alabama Surface Mining Commission (ASMC) if coal, coal fines, coal refuse, or other coal related materials are mined, transloaded, processed, etc.;
(2) The Alabama Department of Labor (ADOL) if conducting non-coal mining operations;
(3) The Alabama Historical Commission for requirements related to any potential historic or culturally significant sites;
(4) The Alabama Department of Conservation and Natural Resources (ADCNR) for requirements related to potential presence of threatened/endangered species;
(5) The US Army Corps of Engineers, Mobile or Nashville Districts, if this project could cause fill to be placed in federal waters or could interfere with navigation.

The Department must be in receipt of a completed version of this form, including any supporting documentation, and the appropriate processing fee [including Greenfield Fee and Biomonitoring & Toxicity Limits fee(s), if applicable], prior to development of a draft NPDES permit.

Acknowledgement
I acknowledge I have read and understand the information above.

Additional Attachments

Additional Attachments
Bridge Drawings.zip - 05/04/2026 02:13 PM
Comment
NONE PROVIDED

Application Preparer

Application Preparer

Prefix
Mr.

First Name	Last Name
Jonathan	Whitlock

Title
NONE PROVIDED

Organization Name
McGehee Engineering Corp.

Phone Type	Number	Extension
Business	2052210686	

Email
jwhitlock@mcgehee.org

Address
450 19TH STREET WEST
JASPER, AL 35501

Fees Assessed

The following itemized fees have been assessed in accordance with Fee Schedule D and 335-1-6-.04(a) of ADEM Admin. Code Division 1 regulations based on the information provided in this application.

If the correct fees are not displayed, please contact your permit engineer PRIOR to submitting the form. Do NOT answer questions erroneously in order to have the correct fee assessed.

Wet Preparation, Processing, Beneficiation:
6860

Fee

Fee
6860

Revisions

Revision	Revision Date	Revision By
Revision 1	6/27/2024 2:51 PM	Jeb Burttram
Revision 2	10/22/2025 9:55 AM	Robin Wade III
Revision 3	4/28/2026 9:14 AM	John Morris

Agreements and Signature(s)

SUBMISSION AGREEMENTS

- ☑ I am the owner of the account used to perform the electronic submission and signature.
- ☑ I have the authority to submit the data on behalf of the facility I am representing.
- ☑ I agree that providing the account credentials to sign the submission document constitutes an electronic signature equivalent to my written signature.
- ☑ I have reviewed the electronic form being submitted in its entirety, and agree to the validity and accuracy of the information contained within it to the best of my knowledge.

Professional Engineer (PE)

A detailed, comprehensive Pollution Abatement & Prevention (PAP) Plan must be prepared, signed, and certified by a professional engineer (PE), registered in the State of Alabama, and the PE must certify as follows: "I certify under penalty of law that the technical information and data contained in this application, and a comprehensive Pollution Abatement & Prevention (PAP) Plan, including any attached SPCC plan, maps, engineering designs, etc. acceptable to ADEM, for the prevention and minimization of all sources of pollution in stormwater and authorized related process wastewater runoff has been prepared under my supervision for this facility utilizing effective, good engineering and pollution control practices and in accordance with the provisions of this Permit, and ADEM Admin. Code Division 335-6, including Chapter 335-6-9 and Appendices A & B. If the PAP Plan is properly implemented and maintained by the Permittee, discharges of pollutants can reasonably be expected to be effectively minimized to the maximum extent practicable and according to permit discharge limitations and other permit requirements. The applicant has been advised that appropriate pollution abatement/prevention facilities and structural & nonstructural management practices or Department approved equivalent management practices as detailed in the PAP Plan must be fully implemented and regularly maintained as needed at the facility in accordance with good sediment, erosion, and other pollution control practices, permit requirements, and other ADEM requirements to ensure protection of groundwater and surface water quality."

Signed By Anthony McGehee on 05/20/2026 at 10:31 AM

Responsible Official

This application must be signed and initialed by a Responsible Official of the applicant pursuant to ADEM Admin. Code Rule 335-6-6-.09 who has overall responsibility for the operation of the facility. I certify under penalty of law that this document, including technical information and data, the PAP Plan, including any SPCC plan, maps, engineering designs, and all other 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 PE and other person or persons under my supervision 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 or imprisonment for knowing violations. A comprehensive PAP Plan to prevent and minimize discharges of pollution to the maximum extent practicable has been prepared at my direction by a PE for this facility utilizing effective, good engineering and pollution control practices and in accordance with the provisions of ADEM Admin. Code Division 335-6, including Chapter 335-6-9 and Appendices A & B, and information contained in this application, including any attachments. I understand that regular inspections must be performed by, or under the direct supervision of, a PE and all appropriate pollution abatement/prevention facilities and structural & nonstructural management practices or Department approved equivalent management practices identified by the PE must be fully implemented prior to and concurrent with commencement of regulated activities and regularly maintained as needed at the facility in accordance with good sediment, erosion, and other pollution control practices and ADEM requirements. I understand that the PAP Plan must be fully implemented and regularly maintained so that discharges of pollutants can reasonably be expected to be effectively minimized to the maximum extent practicable and according to permit discharge limitations and other requirements to ensure protection of groundwater and surface water quality. I understand that failure to fully implement and regularly maintain required management practices for the protection of groundwater and surface water quality may subject the Permittee to appropriate enforcement action." "I certify that this form has not been altered, and if copied or reproduced, is consistent in format and identical in content to the ADEM approved form." "I further certify that the discharges described in this application have been tested or evaluated for the presence of non-stormwater discharges and any non-mining associated beneficiation/process pollutants and wastewaters have been fully identified." "I acknowledge my understanding that I may be required to obtain a permit from the ADOL." "I acknowledge my understanding that if the proposed activities will be conducted in or potentially impact waters of the state or waters of the US (including wetlands), that I may be required to obtain a permit from the USACE."

Signed By Robin Wade III on 05/21/2026 at 9:45 AM

Attachment 1 to Supplementary Form
ADEM Form 311

Alternatives Analysis

Applicant/Project: East Thomas Limestone Plant

All new or expanded discharges (except discharges eligible for coverage under general permits) covered by the NPDES permitting program are subject to the provisions of ADEM's antidegradation policy. Applicants for such discharges to Tier 2 waters are required to demonstrate " . . . that the proposed discharge is necessary for important economic or social development." As a part of this demonstration, the applicant must complete an evaluation of the discharge alternatives listed below, including a calculation of the total annualized project costs for each technically feasible alternative (using ADEM Form 312 for public-sector projects and ADEM Form 313 for private-sector projects). Alternatives with total annualized project costs that are less than 110% of the total annualized project costs for the Tier 2 discharge proposal are considered viable alternatives.

Alternative	Viable	Non-Viable	Comment
1 Land Application		x	Water quantity to great
2 Pretreatment/Discharge to POTW		x	Water quantity to great
3 Relocation of Discharge		x	Topography does not support/allow this alternative
4 Reuse/Recycle	x		Will recycle whenever possible
5 Process/Treatment Alternatives		x	Settling, oxidation, surface discharge best treatment alternative
6 On-site/Sub-surface Disposal	x		
(other project-specific alternatives considered by the applicant; attach additional sheets if necessary)			
7			
8			
9			

Pursuant to ADEM Administrative Code Rule 335-6-3-.04, I certify on behalf of the applicant that I have completed an evaluation of the discharge alternatives identified above, and reached the conclusions indicated.

Signature: [signature] *(Professional Engineer)*

Date: 04-28-2026

ALABAMA LICENSED No. 38129 PROFESSIONAL ENGINEER JORDAN McGEHEE

(Supporting documentation to be attached, referenced, or otherwise handled as appropriate.)

Calculation of Total Annualized Project Costs for Private-Sector Projects

Capital Costs to be Financed (Supplied by applicant)	$ 350,000 (1)
Interest rate for Financing (Expressed as a decimal)	0.10 (i)
Time Period of Financing (Assume 10 years*)	10 years (n)
Annualization Factor = $\frac{i}{(1+i)^{10} - 1} + i$	0.16275 (2)
Annualized Capital Cost [Calculate: (1) x (2)]	$ 56,962 (3)
Annual Cost of Operation and Maintenance (including but not limited to monitoring, inspection, permitting fees, waste disposal charges, repair, administration and replacement)**	$ 87,500 (4)
Total Annual Cost of Pollution Control Project [(3) + (4)]	$ 144,462 (5)

* While actual payback schedules may differ across projects and companies, assume equal annual payments over a 10-year period for consistency in comparing projects.

** For recurring costs that occur less frequently than once a year, pro rate the cost over the relevant number of years (e.g., for pumps replaced once every three years, include one-third of the cost in each year).

The applicant is required to supply the following information separately for every proposed (P) or existing (E) outfall. List expected average daily discharge flow rate in cfs and gpd; frequency of discharge in hours per day and days per month; average summer and winter temperature of discharge(s) in degrees centigrade; average pH in standard units; and average daily discharges in pounds per day of BOD5, Total Suspended Solids, Total Iron, Total Manganese, and Total Aluminum (if bauxite or bauxitic clay or if otherwise believed present):

Outfall E/P	Information Source - # of Samples	Flow (cfs)	Flow (gpd)	Frequency (hours/day)	Frequency (days/month)	Sum/Win Temp, (°C)	pH (s.u.)	BOD5 (lbs/day)	TSS (lbs/day)	Tot Fe (lbs/day)	Tot Mn (lbs/day)	Tot Al (lbs/day)
002E	BPE	0.097	62k	Precipitation	Precipitation	26/7	8.01	NA	10.5	NA	NA	NA
003E	BPE	0.018	12k	Precipitation	Precipitation	26/7	8.03	NA	1.9	NA	NA	NA
004E	BPE	0.097	63k	Precipitation	Precipitation	26/7	8.01	NA	10.5	NA	NA	NA
005P	BPE	0.023	15k	Precipitation	Precipitation	26/7	8.00	NA	2.5	NA	NA	NA
006P	BPE	0.016	10k	Precipitation	Precipitation	26/7	8.00	NA	1.8	NA	NA	NA
007P	BPE	0.014	9k	Precipitation	Precipitation	26/7	8.00	NA	1.5	NA	NA	NA

The applicant is required to supply outfall number(s) as it appears on the map(s) required by this application [if this application is for a modification to an existing permit do not change the numbering sequence of the permitted outfalls], describe each, (e.g., pipe, spillway, channel, tunnel, conduit, well, discrete fissure, or container), and identify the origin of pollutants. The response must be precise for each outfall. If the discharge of pollutants from any outfall is the result of commingling of waste streams from different origins, each origin must be completely described.

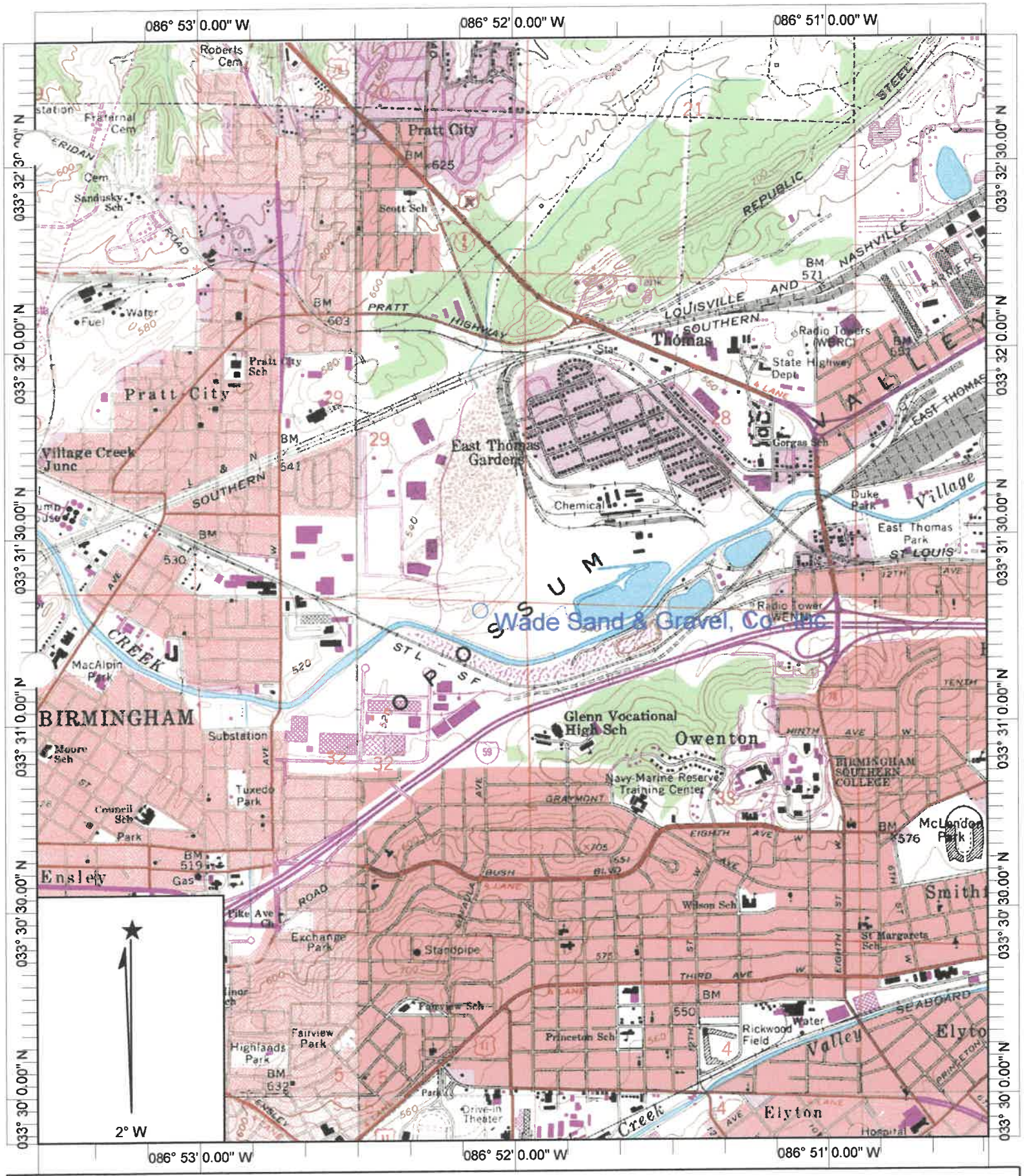
Description of Origin of Pollutants – typical examples: (1) Discharge of drainage from the underground workings of an underground coal mine, (2) Discharge of drainage from a coal surface mine, (3) Discharge of drainage from a coal preparation plant and associated areas, (4) Discharge of process wastewater from a gravel-washing plant, (5) Discharge of wastewater from an existing source coal preparation plant, (6) Discharge of drainage from a sand and gravel pit, (7) Pumped discharge from a limestone quarry, (8) Controlled surface mine drainage (pumped or siphoned), (9) Discharge of drainage from mine reclamation, (10) Other (please describe):

Outfall	Discharge structure Description	Description of Origin of pollutants	Surface Discharge	Groundwater Discharge	Wet Prep -Other Production Plant	Pumped or Controlled Discharge	Low Volume STP
002E	2.5-ft diametere concrete pipe	4, 6, 7, 8, 9	X		X	X	
003E	24-ft broad crested weir	4, 6, 7, 8, 9	X		X	X	
004E	Pumped discharge from Limestone Quarry	4, 6, 7, 8, 9	X			X	
005P	Pipe or Spillway	4, 6, 7, 8, 9	X			X	
006P	Pipe or Spillway	4, 6, 7, 8, 9	X			X	
007P	Pipe or Spillway	4, 6, 7, 8, 9	X			X	

The applicant is required to supply the following information separately for every proposed or existing outfall. Identify and list expected average daily discharge of any other pollutant(s) listed in EPA Form 2C Tables A, B, C, D, and E that are not referenced in Part XVI.B. or otherwise submitted elsewhere, that you know is present or have reason to believe could be present in the discharge(s) at levels of concern:

Outfall E/P	Reason Believed Present	Information Source - # of Samples								
			lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L
002E	None									
003E	None									
004E	None									
005P	None									
006P	None									
007P	None									

A. SITE VICINITY MAP



Name: BIRMINGHAM NORTH
Date: 10/18/2005
Scale: 1 inch equals 2000 feet

Location: 033° 31' 21.45" N 086° 52' 00.3" W
Caption: Site Vicinity Map
Wade Sand and Gravel Co., Inc., Birmingham, Alabama

PROJECT No.

DRAWING No.

SEAL

LAYTON
ENVIRONMENTAL ENGINEERING, LLC

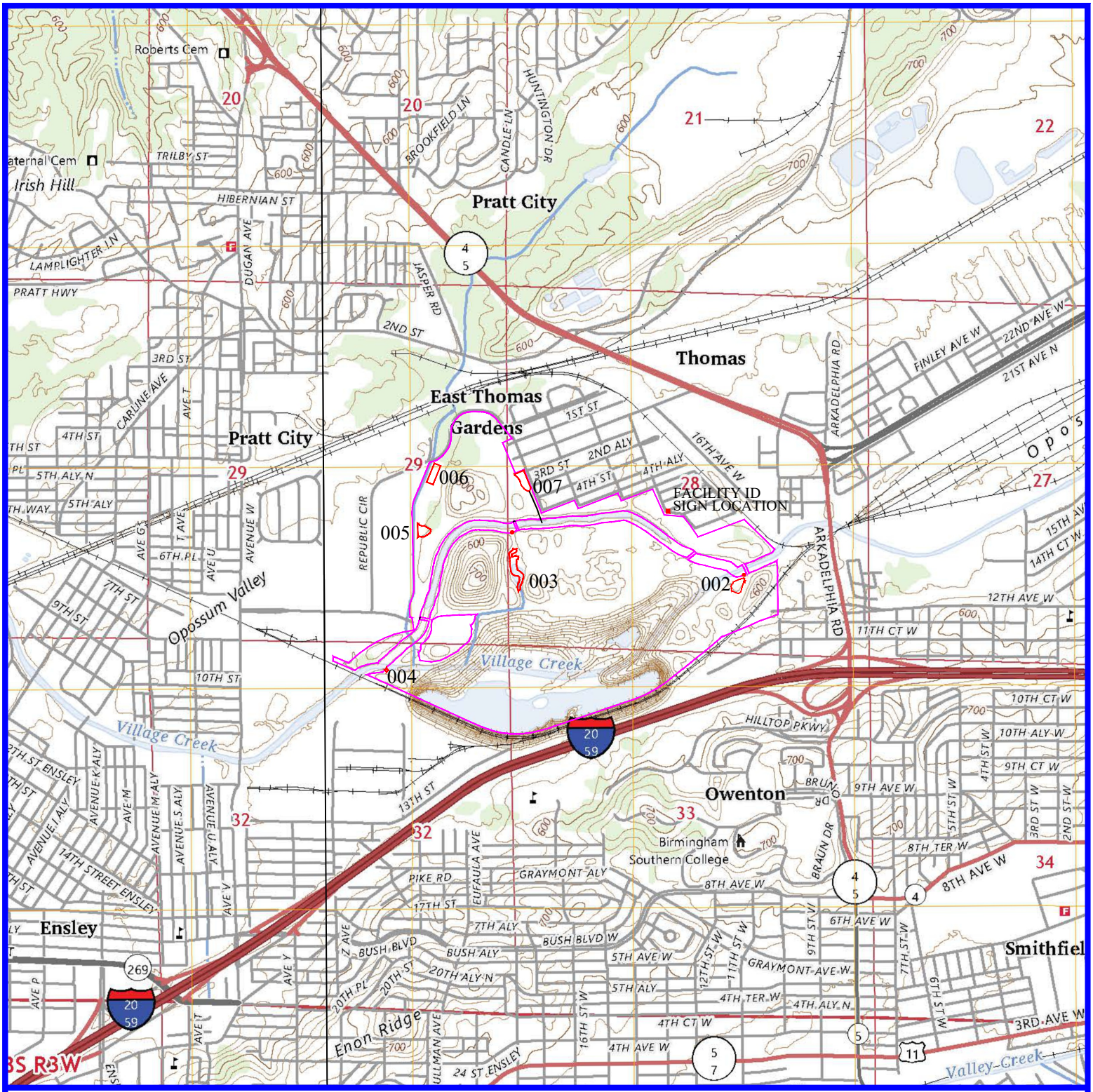
1900 Crestwood Blvd. Suite 114 Birmingham, Alabama 35210 (205)951-3700

TITLE

WADE SAND & GRAVEL AERIAL

WADE SAND AND GRAVEL, CO., INC.
P.O. BOX 39048
BIRMINGHAM, ALABAMA 35208

DRAWN BY	CHECKED BY	SCALE	DATE
J.LOVELL	K.LAYTON	NTS	10/2005



SCALE: 1" = 2000'

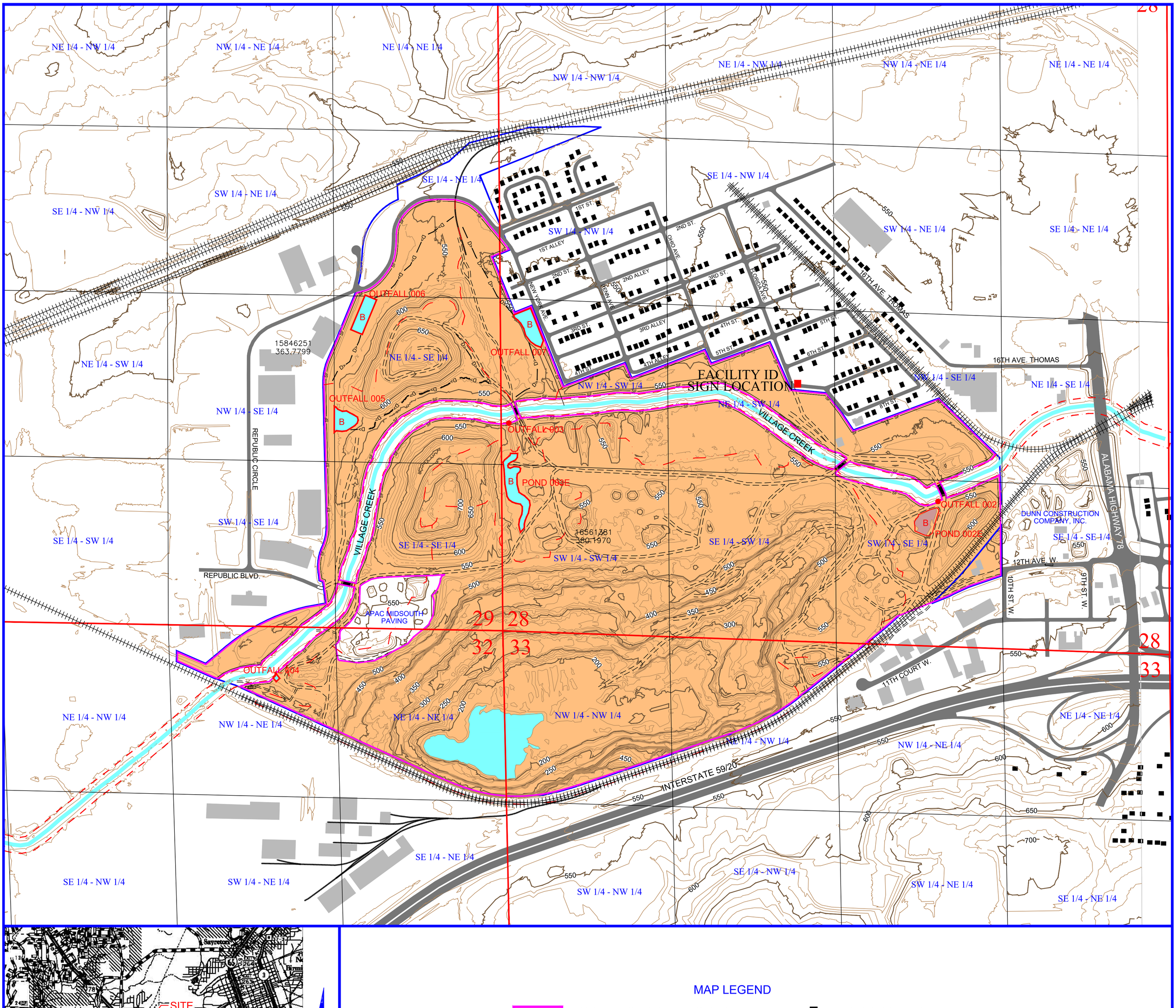
N
W E
S

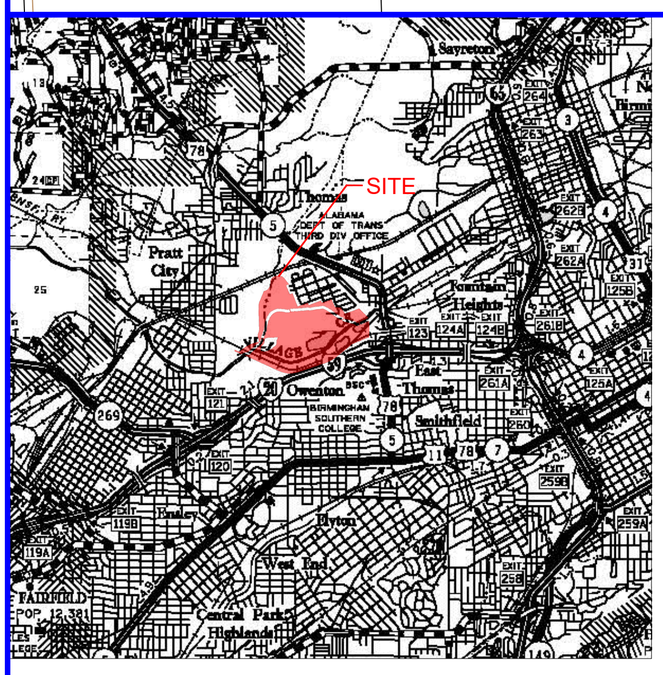
WADE SAND & GRAVEL, INC.
EAST THOMAS LIMESTONE PLANT, AL0025194
NPDES PERMIT MAP

SECTIONS 28, 29, 32 & 33, TOWNSHIP 17 SOUTH, 3 WEST
ALL IN JEFFERSON COUNTY, ALABAMA
AS FOUND ON THE BIRMINGHAM NORTH, AL USGS QUAD

PERMIT BOUNDARY

mcgehee engineering corp
post office box 3431
jasper, alabama 35502-3431
telephone: (205) 221-0686 fax: 221-7721
email: staff@mcgehee.org





VICINITY MAP, SCALE: 1" = 1 MILE

MAP LEGEND

- NPDES PERMIT BOUNDARY/AREA (199 ACRES)
- B — OUTFALL/SEDIMENT BASIN
- DRAINAGE DIVIDE
- PUBLIC ROAD
- PRIVATE ROAD
- RAILROAD
- SF — SILT FENCE
- OCCUPIED DWELLING
- UNOCCUPIED BUILDING/WAREHOUSE, SHED, ETC.
- LAND HOOK
- 50' SETBACK OR STREAM BUFFER ZONE (FROM WATERS OF THE STATE OF ALABAMA)
- IMPOUNDED WATER
- D> — DIVERSION DITCH

N
W E
S

SECTION 28, 29, 32 & 33, TOWNSHIP 17 SOUTH,
RANGE 3 WEST, JEFFERSON COUNTY, ALABAMA
BASE MAP: BIRMINGHAM NORTH U.S.G.S. QUAD.

CONTOUR INTERVAL: 10 FT.
CONTOURS OBTAINED FROM
JEFFERSON COUNTY MAPPING.
FLIGHT DATE 2023.

I HEREBY CERTIFY THIS MAP TO BE
TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.

DATE

WADE SAND & GRAVEL COMPANY, INC.

EAST THOMAS LIMESTONE PLANT

NPDES PERMIT: AL0025194
PERMIT MAP

FILE:	SCALE:	JOB NO.:
EAST THOMAS	1" = 400'	
APPROVED BY:	DATE:	SHEET NO.:
C.W.M.	03/05/2026	1 OF 1

mcgehee engineering corp
post office box 3431
jasper, alabama 35502-3431
telephone: (205) 221-0686 fax: 221-7721
email: cw@mcgehee.org

PROPERTY OWNERSHIP

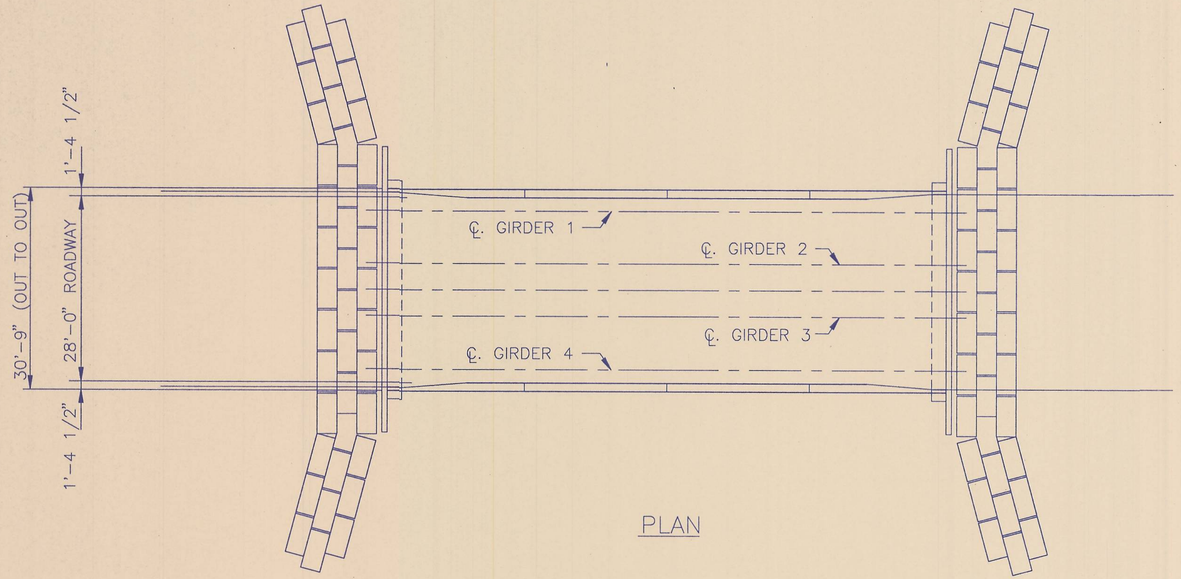
WADE SAND & GRAVEL COMPANY, INC.

NOTES:

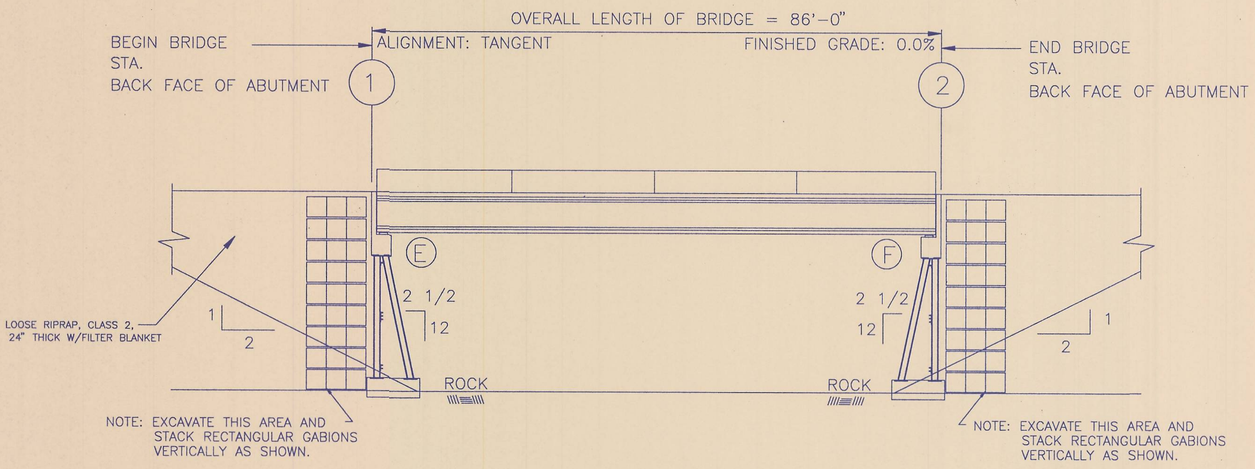
NO BUILDINGS WITHIN 300' OF PERMIT AREA OTHER THAN SHOWN.

PROPERTY OWNERSHIP BY QUARTER-QUARTER-SECTION (FORTY) EXCEPT WHERE NOTED OTHERWISE.

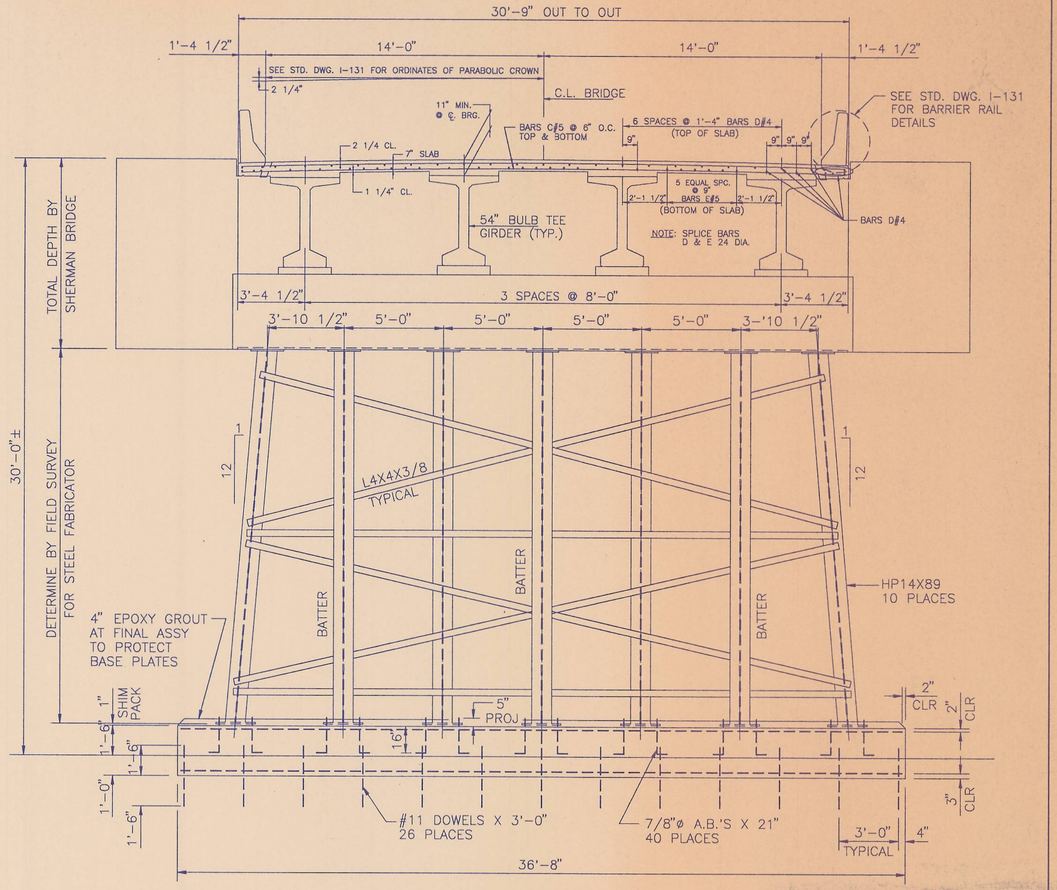
LOCATION OF LIMESTONE, OVERBURDEN AND WASTE STOCKPILES ARE SUBJECT TO CHANGE.



PLAN



GENERAL ELEVATION



RE-BAR #5 @ 6" C/C IN LONG DIRECTION
RE-BAR #5 @ 12" C/C IN SHORT DIRECTION
TOP AND BOTTOM

TYPICAL CROSS SECTION

NOTES:

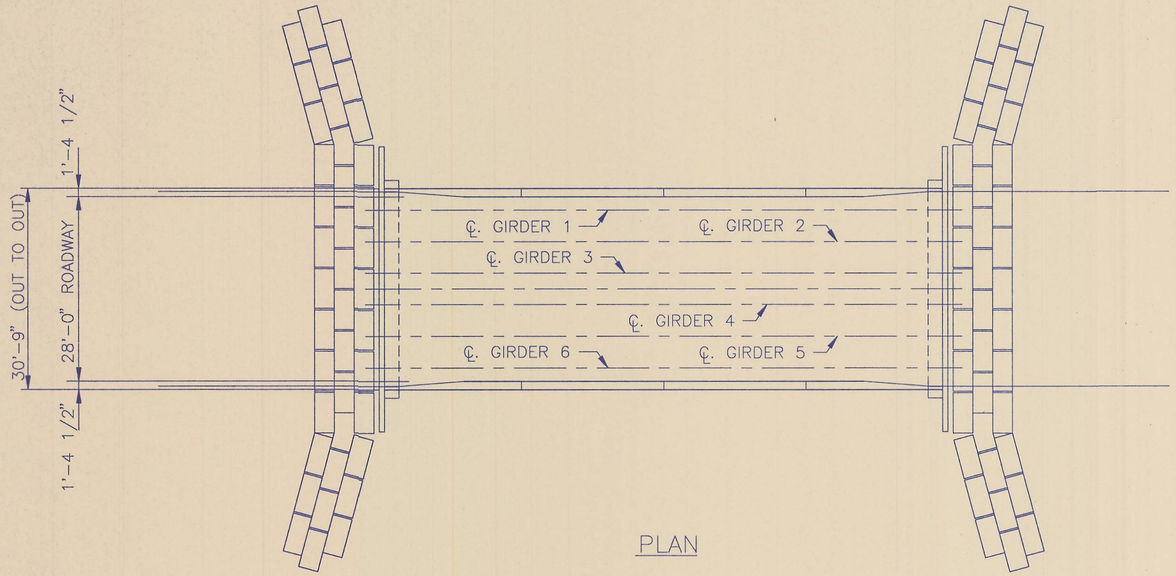
1. ROADWAY APPROACH AND VERTICAL GABION WALLS BY WADE SAND AND GRAVEL.
2. BRIDGE AND ABUTMENTS/PILE CAPS FURNISHED BY SHERMAN BRIDGE.
3. SHERMAN TO FURNISH EXACT BRIDGE DEPTHS TO BOTTOM OF 1" PLATE IN PILE CAPS.
4. WADE SAND AND GRAVEL TO DETERMINE EXACT HEIGHTS REQUIRED FOR FABRICATION OF STEEL PILE GROUPS BY FIELD SURVEY.
5. REINFORCING ASTM A615 GRADE 60.
6. CONCRETE STRENGTH MIN. 5000PSI @ 28 DAYS, MAXIMUM SLUMP 3", CHAMFER EDGES 3/4" X 45°.
7. ALL STEEL A-36 UNLESS NOTED.
8. DESIGN LOADING AASHTO HS20-44 FOR TRUCK BRIDGES, E80 COOPER LOADING FOR RAIL BRIDGE.
9. ALL ANCHOR BOLTS SHALL CONFORM TO ASTM A-490.
10. PRIME ALL STRUCTURAL STEEL WITH ONE COAT OF ZINC CHROMATE, ALKYL TYPE. NO PAINT WITHIN 5" OF HIGH STRENGTH ANCHOR BOLTS.
11. CALCULATIONS FOR SUBSTRUCTURE BASED ON BED ROCK AS GIVEN BY WADE SAND AND GRAVEL. RQD OF ROCK IS ASSUMED AT 40%. RANDOM TEST CORINGS SHOULD BE CONDUCTED TO ASCERTAIN THAT ROCK HAS A MINIMUM RQD OF 40%.
12. WELDING PER AWS D1.1 AND AASHTO LATEST EDITION.
13. WADE SAND AND GRAVEL SHALL CONFIRM THE TOTAL HEIGHT OF THE STEEL PILE GROUPS BEFORE PLACING THE FOUNDATIONS TO GUARANTEE SUFFICIENT FOUNDATION WIDTH FOR PILE BATTER SHOWN.

REGISTERED PROFESSIONAL ENGINEER
DAVID CLIMMONS
19932
ALABAMA
11/13/96

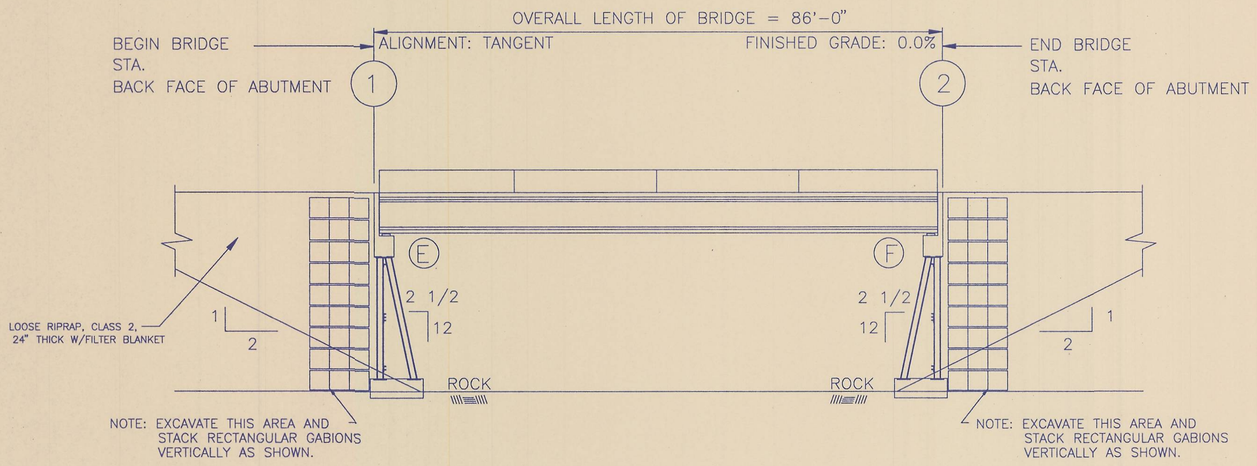
SHERMAN CONCRETE DRAWING USED AS PROTOTYPE

BRIDGE NO.1
DESIGN FOR STANDARD HIGHWAY
TRAFFIC HS20 LOADING

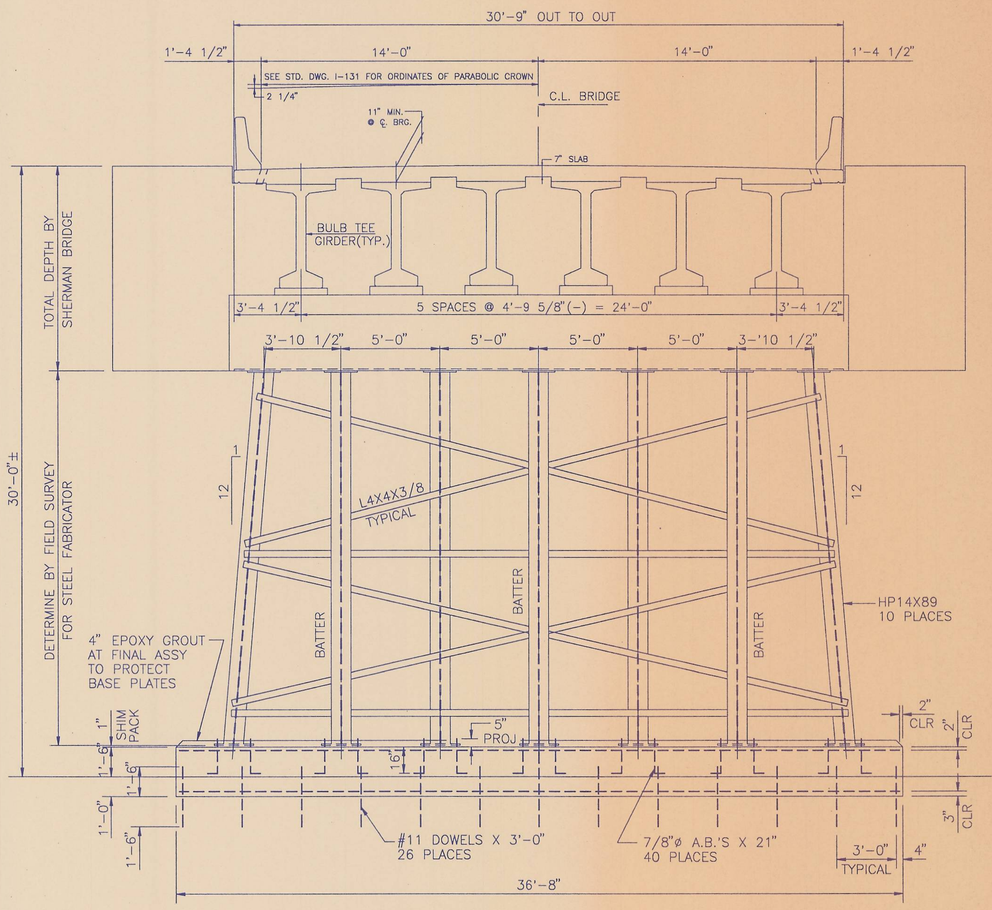
WADE SAND AND GRAVEL CO. 1200 TENTH STREET WEST EAST THOMAS 35204	
SCALE : 3/32" = 1'-0" APPROVED BY :	DRAWN BY : WMC
DATE : 10/24/96	REVISED:
VILLAGE CREEK RELOCATION PROJECT NEW BRIDGE REQUIREMENTS	
SUBSTRUCTURE DETAILS	DRAWING NUMBER WSG-1102



PLAN



GENERAL ELEVATION



RE-BAR #5 @ 6" C/C IN LONG DIRECTION
RE-BAR #5 @ 12" C/C IN SHORT DIRECTION
TOP AND BOTTOM

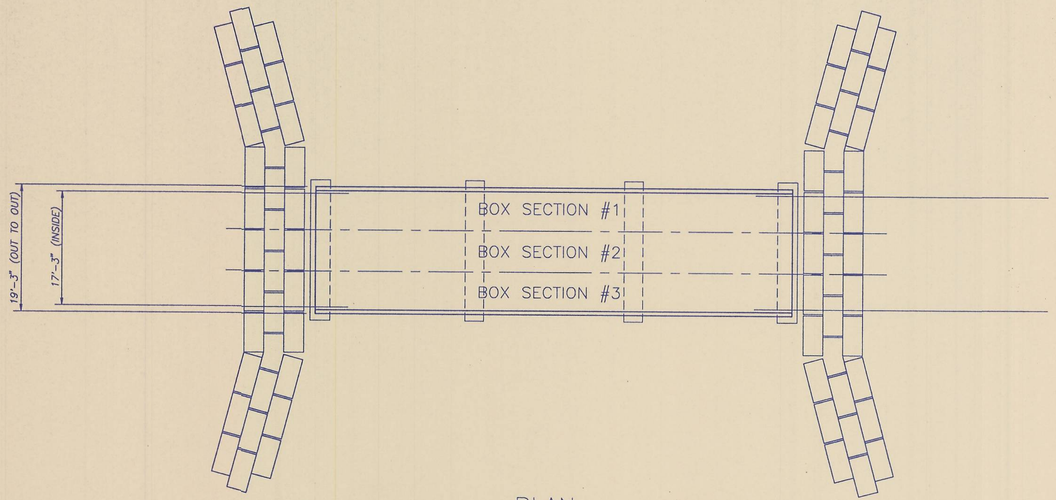
TYPICAL CROSS SECTION

NOTE:
SEE DWG. WSG-1102 FOR GENERAL NOTES.

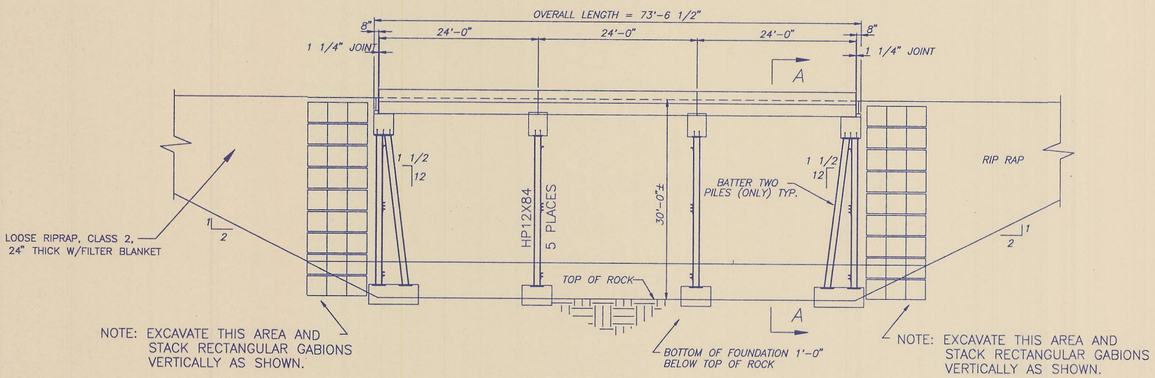
BRIDGE NO.4

SHERMAN CONCRETE DRAWING USED AS PROTOTYPE

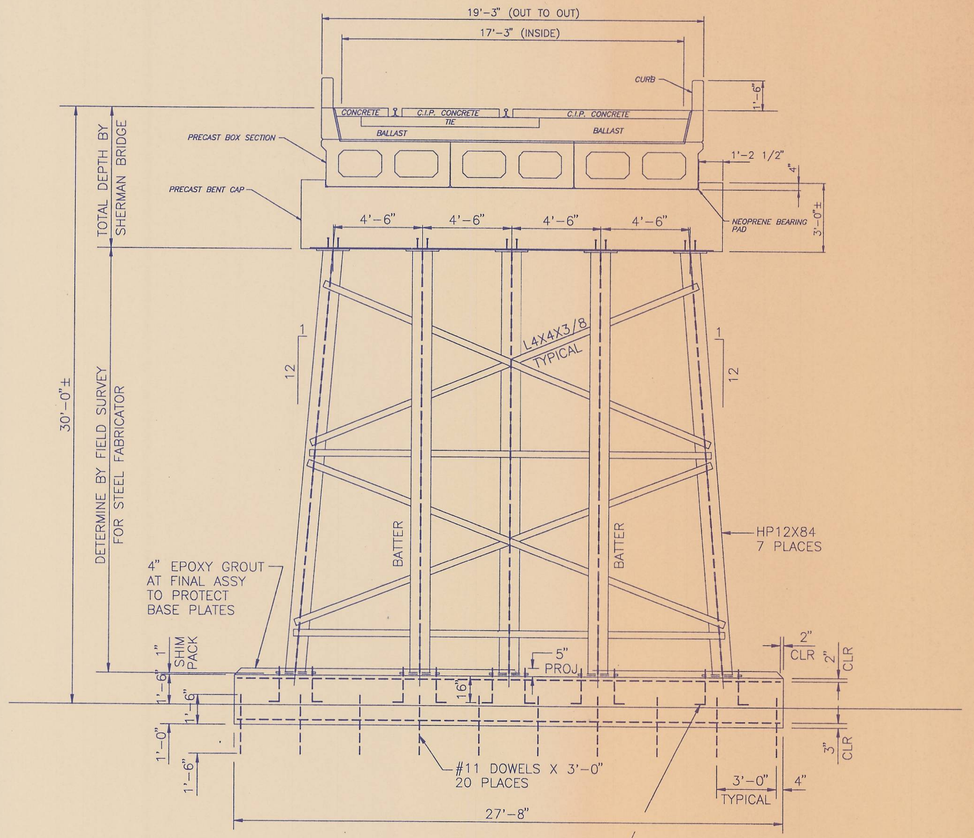
WADE SAND AND GRAVEL CO. 1200 TENTH STREET WEST EAST THOMAS 35204		
SCALE : 3/32" = 1'-0"	APPROVED BY :	DRAWN BY : WMC
DATE : 10/27/96		REVISED:
VILLAGE CREEK RELOCATION PROJECT NEW BRIDGE REQUIREMENTS		
SUBSTRUCTURE DETAILS		DRAWING NUMBER WSG-1103



PLAN



ELEVATION R/R STRUCTURE



SECTION A-A

NOTE:

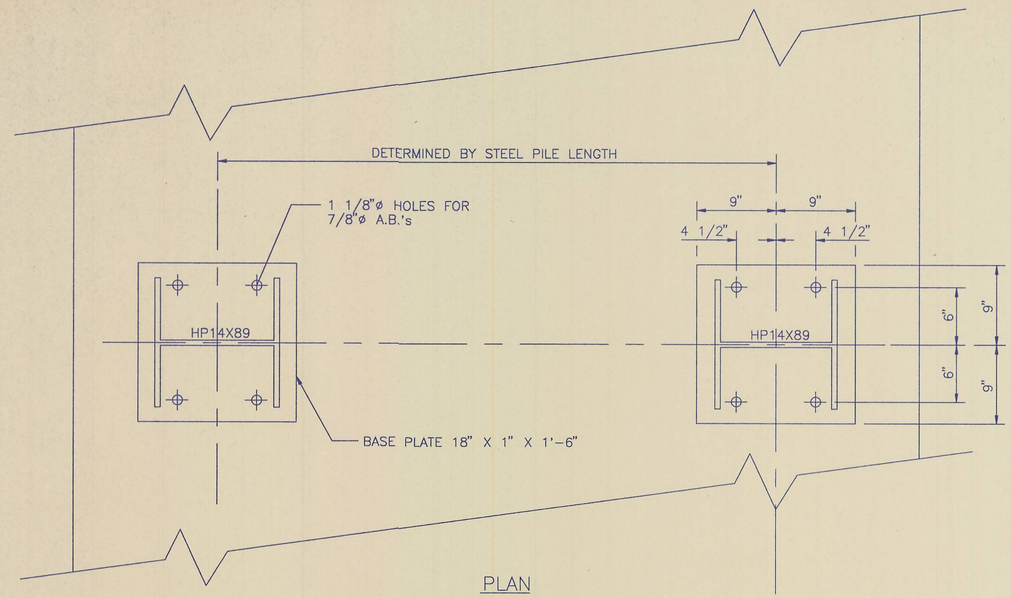
SEE DWG. WSG-1102 FOR GENERAL NOTES.

REGISTERED PROFESSIONAL ENGINEER
DAVID CLAYTON
19996
ALABAMA

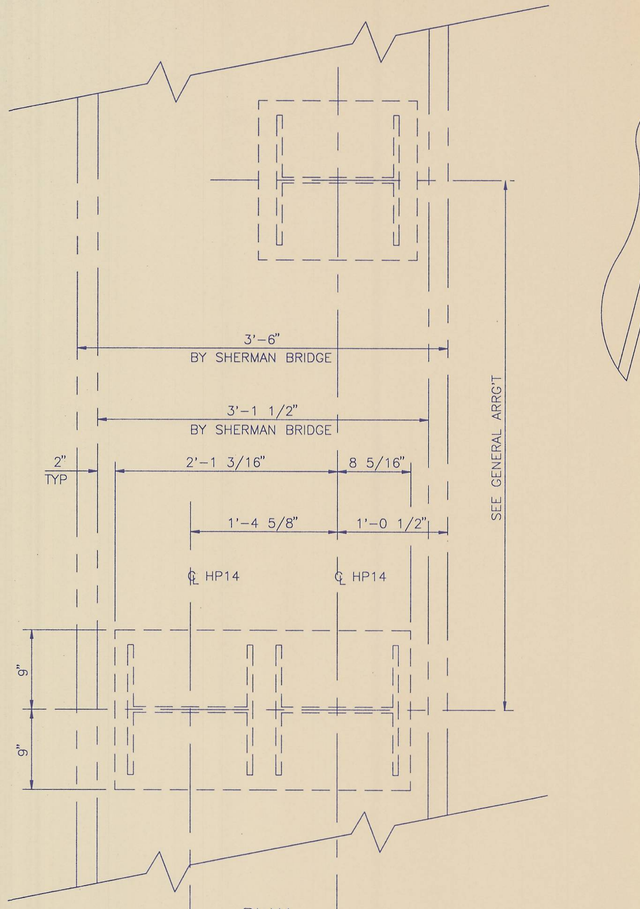
BRIDGE NO.2
DESIGN FOR E-80 LOADING

SHERMAN CONCRETE DRAWING USED AS PROTOTYPE

WADE SAND AND GRAVEL CO. 1200 TENTH STREET WEST EAST THOMAS 35204		
SCALE : 3/32" = 1'-0"	APPROVED BY :	DRAWN BY : WMC
DATE : 10/27/96		REVISED:
VILLAGE CREEK RELOCATION PROJECT NEW BRIDGE REQUIREMENTS		
SUBSTRUCTURE DETAILS		DRAWING NUMBER WSG-1104



PLAN



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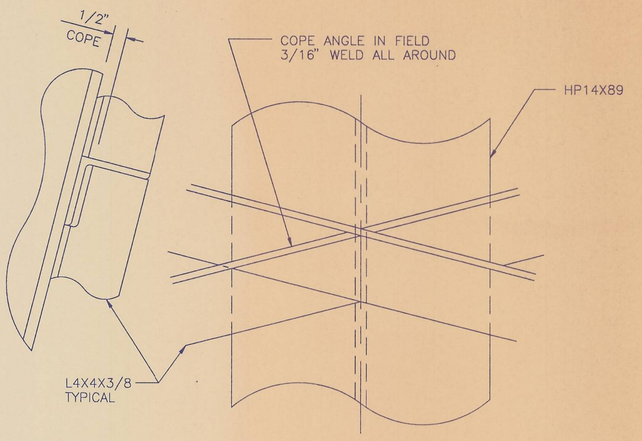

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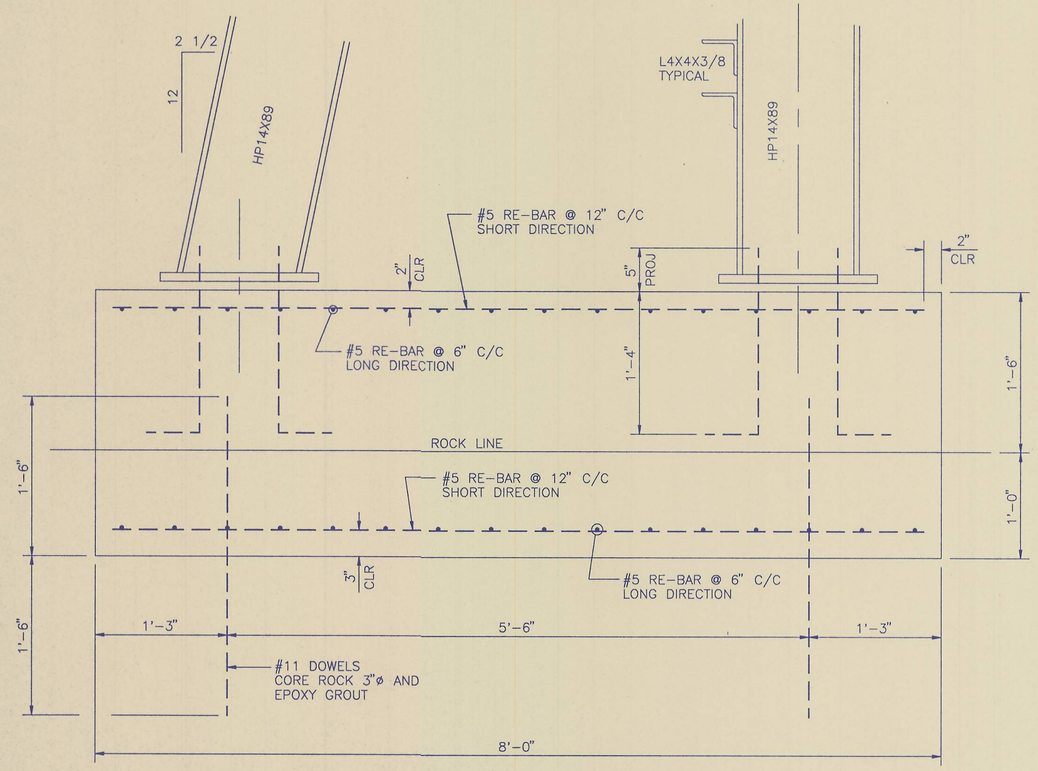
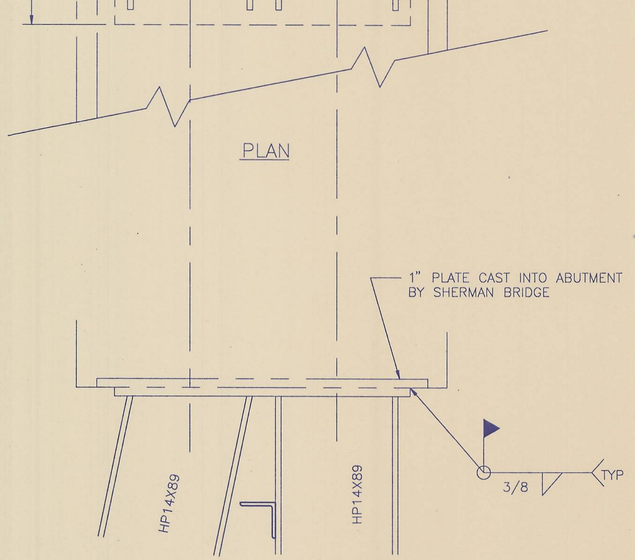
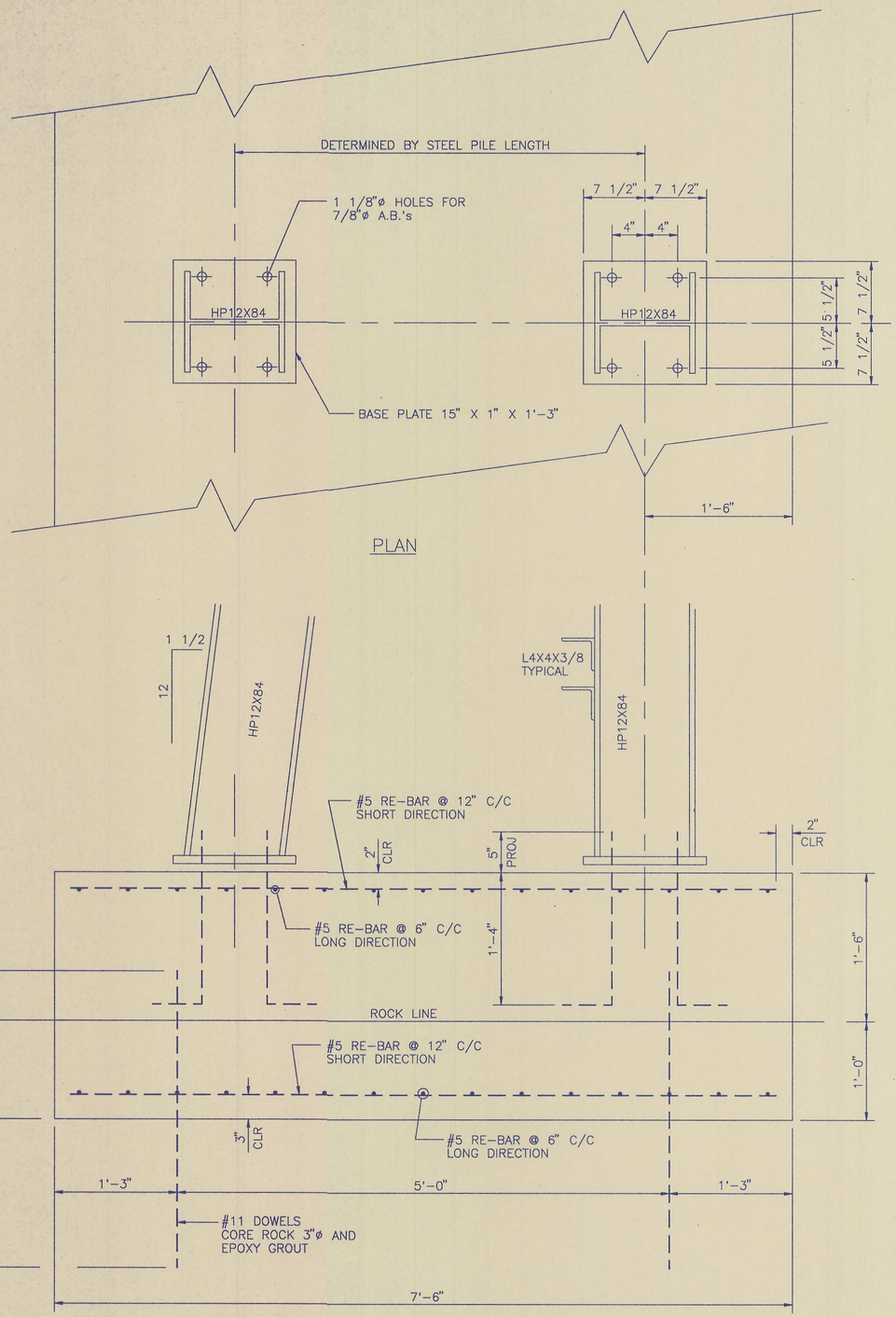


TYPICAL DETAIL AT PILE GROUP FOUNDATION



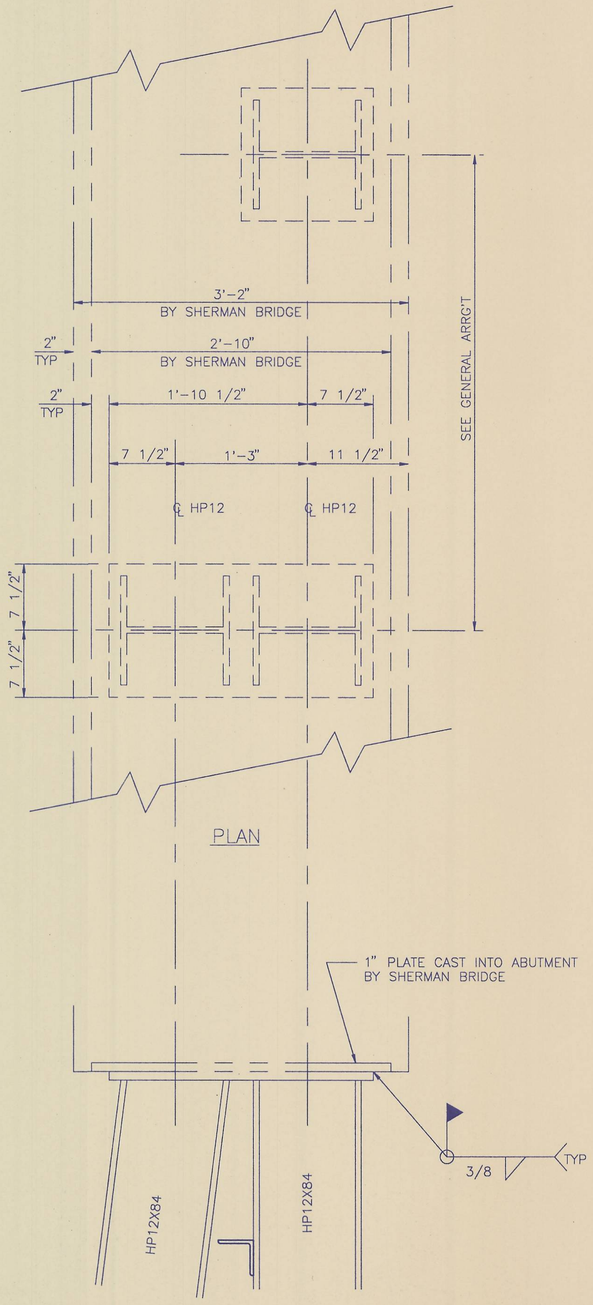
TYPICAL DETAIL AT PILE GROUP CAP

WADE SAND AND GRAVEL CO. 1200 TENTH STREET WEST EAST THOMAS 35204	
SCALE : 1 1/2"=1'	APPROVED BY : / DRAWN BY : WMC
DATE : 10/29/96	REVISED:
VILLAGE CREEK RELOCATION PROJECT NEW BRIDGE REQUIREMENTS - TRUCK BRIDGE	
SUBSTRUCTURE DETAILS	DRAWING NUMBER WSG-1105



PLAN

TYPICAL DETAIL AT PILE GROUP FOUNDATION



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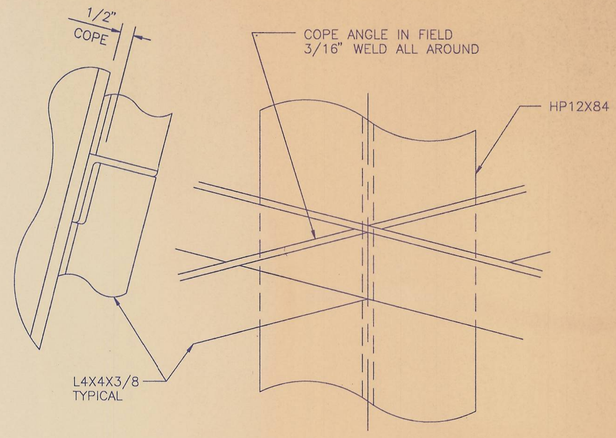
TYPICAL DETAIL AT PILE GROUP CAP



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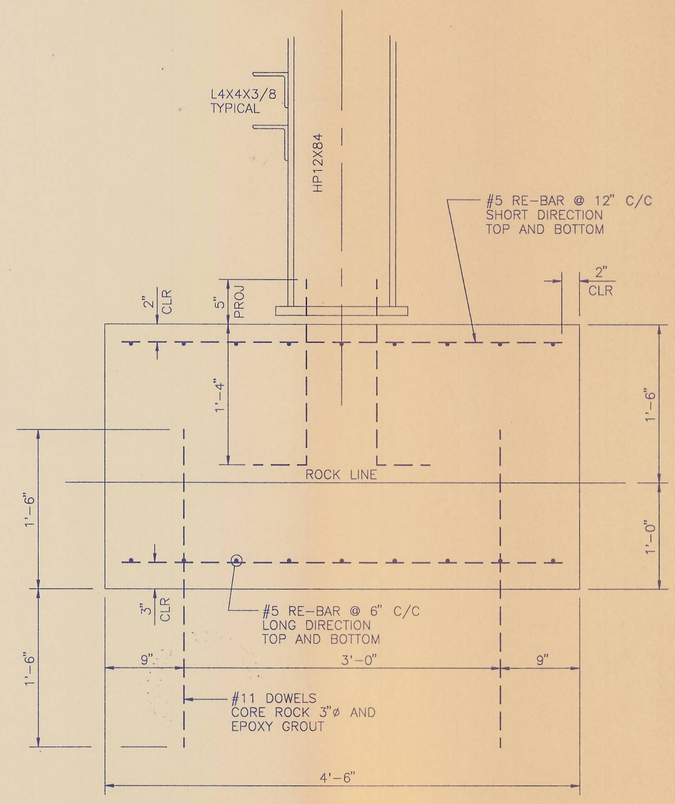

TYPICAL DETAIL AT PILE GROUP FOUNDATION INTERMEDIATE LOCATIONS

REGISTERED PROFESSIONAL ENGINEER DAVID CLOWDUS 19932 ALABAMA

WADE SAND AND GRAVEL CO. 1200 TENTH STREET WEST EAST THOMAS 35204	
SCALE : 1 1/2"=1' APPROVED BY :	DRAWN BY : WMC
DATE : 11/10/96	REVISED:
VILLAGE CREEK RELOCATION PROJECT NEW BRIDGE REQUIREMENTS – RAIL BRIDGE	
SUBSTRUCTURE DETAILS	DRAWING NUMBER WSG–1106

SPILL PREVENTION CONTROL
AND
COUNTER MEASURES PLAN

WADE SAND AND GRAVEL COMPANY, INC.

Office Address: 1200 10th Street West
Birmingham, AL 35204
Jefferson County, AL

East Thomas Limestone Plant

Prepared by:

MCGEHEE ENGINEERING CORP.
P. O. Box 3431
Jasper, Alabama 35502-3431
Telephone: (205) 221-0686
Fax: (205) 221-7721

FOREWORD

The attached document consists of:

- **The Spill Prevention Control and Source Control (SPCC) Plan**, describes the engineering practices which reduce the potential for uncontrolled releases of materials potentially used at the facility.
- **Best Management Practices (BMP) Plan,** describes the measures or practices used to prevent or reduce the amount of pollution entering the environment.

The plan has been prepared in accordance with sound engineering practices and is based on facility inspections and / or information provided by Wade Sand and Gravel Company, Inc.

The combined SPCC Plan & BMP Plan for Wade Sand and Gravel Company, Inc. has the full approval of management and necessary resources have been and will be committed to implement these plans.

_____ _____

Robin A Wade III: Facility/Operations Contact Date

Engineer's Certification

I have completed review and evaluation of the Spill Prevention Control and Counter Measures Plan for the Wade Sand and Gravel Company, Inc. facility. This plan has been reviewed and evaluated in accordance with sound engineering practices and is adequate for the facility.

C.W. McGehee,
PE, AL Reg No. 17067

4-4-2026
Date

RECEIVED

The attached document consists of:

- **The Spill Prevention Control and Source Control (SPCC) Plan**, describes the engineering practices which reduce the potential for uncontrolled releases of materials potentially used at the facility.
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The combined SPCC Plan & BMP Plan for Wade Sand and Gravel Company, Inc. has the full approval of management and necessary resources have been and will be committed to implement these plans.

Robin A Wade III: Facility/Operations Contact — Date: 4/20/26

Engineer's Certification

I have completed review and evaluation of the Spill Prevention Control and Counter Measures Plan for the Wade Sand and Gravel Company, Inc. facility. This plan has been reviewed and evaluated in accordance with sound engineering practices and is adequate for the facility.

C.W. McGehee,
PE, Auburn, AL 17067

No. 17067
PROFESSIONAL
ENGINEER
C.W. McGEHEE

Date: 4-20-2026

Spill Prevention Control and Counter Measures Plan
& Best Management Practices Plan

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APPENDICES

SPCC Plan – Spill History Form
SPCC Plan – Spill Event Record Form
Facility Vicinity Map

ATTACHMENTS

Attach. A-1	Brittle Fracture Evaluation Attachment
Attach. A-2	Tank Integrity Inspection Attachment
Attach. A-3	Facility Layout Map

1. REGULATORY SCOPE

This Spill Prevention Control and Counter Measures Plan (SPCC) has been prepared for the Wade Sand and Gravel Company, Inc. — East Thomas Limestone Plant located in Jefferson County, Alabama.

This plan describes engineering features and management techniques used to prevent the release of significant or hazardous materials at the site. Table 1 lists regulations with which the Prevention Plan complies.

Table 1 - Regulations addressed by the Prevention Plan

Regulation	Why
40 CFR §112 Oil Spill Prevention Control and Countermeasure (SPCC) Planning	Because the facility stores over 1,320 gallons of petroleum it is required to maintain oil spill prevention control and countermeasure planning (SPCC) in accordance with the Clean Water Act
NPDES permit Stormwater Pollution Prevention Plan (SWPPP), including Best Management Practices (BMPs)	The facility complies with a stormwater discharge permit which requires the facility prepare and comply with a SWPPP incorporating (BMPs)

The Facility is not subject to the substantial harm criteria listed in 40 CFR 110. As such, Appendix A-1 contains the required certification form documenting that the Facility is not "reasonably expected to cause substantial harm to the environment by discharging into or on the navigable waters or adjoining shorelines."

2. FACILITY DESCRIPTION

2.1 General

The site location is shown on the Facility Vicinity Map in the appendix section. The East Thomas Limestone Plant is located 1200 10th Street West Birmingham, AL 35204 and occupies approximately 500 acres. Limestone is the only raw material that will be handled or processed at this facility. The operations at the East Thomas Limestone Plant will consist of the construction of sediment control structures, overburden removal, limestone removal, (drilling and blasting, as necessary), processing, grading of previous limestone removal areas, placement of final cover material and revegetation or reclamation of the disturbed areas. Processing operations include crushing, screening, size classification, material handling, and storage. The East Thomas Limestone Plant will employ sufficient personnel and operate at time intervals necessary to operate the facility efficiently and cost effectively.

2.2 Facility Drainage and Discharges

The East Thomas Limestone Plant's drainage flows in all directions, north, south, east and west of the project area. All discharges from the site will be collected by the 6 outfalls. The major receiving streams of the 6 outfalls are unnamed tributary to Village Creek and Village Creek.

2.3 General Spill Characteristic of Site Layout

The facility's general physical features minimize the potential effects that a site spill would have on adjacent property. The features are described as follows:

- The facility has moderate terrain which tends to mitigate the potential of lateral movement of a spill, should a spill occur.

- If a spill does occur it will be partially absorbed by the surrounding permitted land, therefore, minimizing run-off to adjacent properties.

- The Facility utilizes secondary containment and/or double walled storage tanks to minimize the potential effects that a site spill would have on adjacent property.

2.4 Security Procedures to Prevent Spills

Wade Sand and Gravel Company, Inc. maintains security procedures which are intended to prevent unauthorized entry of persons or animals into the active portion of the facility. These procedures minimize the potential for vandalism or unauthorized manipulation of oil or hazardous materials stored at the Facility.

The entrance gates are monitored during business hours and not open to the public. The gates are kept locked when not in use. All of the gate entrances are maintained under well lighted conditions at all times.

2.5 History of Spills

There is no history of spills at this facility.

3. IDENTIFICATION OF POTENTIALLY SIGNIFICANT MATERIALS

Wade Sand and Gravel Company, Inc. has and will audit the Facility for materials and activities which could require spill prevention planning. The following materials and activities will be audited:

- Oil and Fuel Storage Areas,
- Loading, Unloading, and Storage Activities,
- Vehicle and Plant Maintenance,

Table A-1 lists each material identified for evaluation in this plan. Approximate storage quantities are identified for each material. The Facility Layout Map depicts the locations of these materials.

Table A-1

Capacity	Contents	Capacity	Contents
3,000 gallons	Used Oil	1,000 gallons	Anti-freeze
3,000 gallons	Gasoline	220 gallons	Synthetic oil (drums)
2 - 8,000 gallons	Diesel Fuel		
4 - 1,000 gallons	Hydraulic Oil		

4. SPILL PREVENTION FOR FUEL AND OIL

The following subsections detail the spill prevention controls which will be implemented at the facility for petroleum oils and other stored chemicals or solvents. Spill prevention for oils is described in accordance with the required outline in 40 CFR §112.

Physical Layout of the Facility and General Drainage (40 CFR §112.7(a)(3))

A physical diagram of the facility is identified in the Facility Layout Map.

Fuel and Oil Storage Tank Description and Containment (40 CFR §112.7 (a)(3) (i & iii)

Tanks used to store oil have been appropriately designed.

Wade Sand and Gravel Company, Inc. provides several types of containment for its tanks. First, individual secondary physical containment surrounds storage tanks. Second, some fuel and oil storage tanks have double walled construction and are located on concrete slabs.

If individual containment is exposed to rainwater, they are positively sealed. Precipitation that accumulates within the secondary containment structures, where present, is allowed to evaporate or is collected and disposed of through approved outside contractors.

4.1.1 Buried Tanks and Corrosion Protection 40 §CFR 112.8(c)(4), (5).

There are no buried, partially buried or bunkered tanks used at the Facility.

4.1.2 Tank Inspection 40 §CFR 112.7(e).

All aboveground tanks are visible to inspectors. They are subject to inspection as described in Section 5 of this plan. The facility must maintain inspection reports for a period of five (5) years when tanks are in use. Integrity testing is performed on an as-needed basis, especially when repairs are done that might significantly change the potential for oil to be discharged. Containers that do not store oil, but merely use oil, are not subject to the integrity testing requirements. Tank Integrity Inspections contained in API Standard 653 are included in the Tank Integrity Inspections Attachment.

4.1.3 Brittle Fracture Evaluation 40 §CFR 112.7(i).

Brittle fracture analysis is required when a field-constructed aboveground oil storage tank undergoes a repair, alteration, reconstruction, or change in service that might affect the risk of brittle fracture discharge or failure. An evaluation is required for a tank that has discharged oil or failed due to brittle fracture or another catastrophe. Brittle fracture evaluation procedures contained in API Standard 653 are included in the Brittle Fracture Evaluation Attachment. It should be noted that the fuel and oil tanks are not field-constructed and do not require brittle fracture evaluation.

4.1.4 Tank Gauging 40 §CFR 112.8(c)(6).

Gauging of the liquid level in tanks is performed using visual site glasses or other visual methods. Tanks in which visual monitoring cannot be performed shall have the internal monitoring of the tank cavity done via gauging stick.

The diesel fuel and oil tanks do not utilize electronic level controls. Tank filling procedures require that the driver observe the filling of each tank.

4.1.5 Correction of Visible Discharges 40 §CFR 112.8(c)(10).

All leaks, which result from loss of oil from containers, including but not limited to seams, gaskets, piping, pumps, valves, rivets, and bolts are corrected by the maintenance staff, with removal of accumulations of oil beginning promptly. Prompt removal means beginning the cleanup of any accumulation of oil immediately after discovery of the discharge, or immediately after any actions to prevent fire or explosion or other threats to worker health and safety.

Removal of pervious material (soil), in which leaks or spills have occurred, will be, if possible, estimated and recorded on the spill event/history form along with an estimated volume of the contaminated material.

4.1.6 Past Discharges 40 §CFR 112.4(a), (c).

Wade Sand and Gravel Company, Inc. is responsible for providing information to the EPA Regional Administrator, and to the appropriate State agencies in charge of oil pollution control, whenever the facility has discharged more than 1,000 U.S. gallons of oil in a single discharge, or discharged more than 42 U.S. gallons of oil in each of two discharges, occurring within any twelve (12) month period.

4.1.7 Portable Tanks/Drums 40 §CFR 112.8(c)(11).

Wade Sand and Gravel Company, Inc. could potentially use 55-gallon drums and portable oil totes in various locations within the facility warehouse. As a general practice, these drums and totes are located indoors (within secondary containment) on catchment basins or on grated secondary structures (pits). Leaks or spills that can occur from these portable containers are contained by local geography or building foundation and collected with spill absorbents.

4.1.8 Description of Fuel and Oil Tank Piping 40 §CFR 112.8(d))

Wade Sand and Gravel Company, Inc. oil tanks utilize minimal amounts of piping. Several tanks use short spans of piping for filling and emptying purposes. Piping must be designed to minimize abrasion and corrosion. All piping must regularly be inspected during installation, modification or repair. The facility must also cap or blank-flange the terminal connection when piping is not in service and warn all vehicles entering the facility about above ground piping or other oil transfer operations.

4.1.9 Fuel and Oil Tank Loading and Unloading 40 §CFR 112.7(h)

Loading and unloading operations from the delivery truck (s) will be done in a manner consistent with the following standard procedures. It is assumed the supplier has addressed at a minimum, the following topics within the respective plan. Proper operating procedures should include the following:

- Load only one product at a time;
- Examine the lowest drain and outlets of vehicles prior to tank filling and departure;
- Manually hold open loading valves. The valve is spring operated and will close upon release;
- Drivers should stay with equipment always during loading operations;
- Drivers trained in proper emergency procedures and location of fire extinguishers;
- Signs properly displayed for no smoking and proper grounding;
- No material will be unloaded from any motor vehicle unless the handbrake is securely set and the wheels are choked;
- No flammable liquid will be unloaded from any motor vehicle while the engine is running.

The generally flat topography of the site contains berms/spill prevention structures that serve as containment for oil loading and unloading operations. In addition, many of the tanks have secondary containment structures which effectively collects drips under the fill valves.

4.1.10 Fuel and Oil Tank Security 40 §CFR 112.7(g)

Security for the site is described in Section 2.4 of this Plan. Features of security relating to oil pollution prevention include:

- Perimeter privacy berm;
- Restricted site access using entrance gates;
- Continuous site lighting; and
- Surveillance equipment.

4.1.11 Fuel and Oil Spill Prevention &Training 40 §CFR 112.7(f)

Wade Sand and Gravel Company, Inc. will conduct annual oil spill prevention training in conjunction with other spill prevention programs as described in Section 5 of this plan.

5. INSPECTIONS AND TRAINING

Wade Sand and Gravel Company, Inc. will perform periodic inspections of the site to check the effectiveness of the spill prevention plan. In general, informal inspections of the areas shown on the following table are performed on a daily basis by maintenance personnel. Formal, documented inspections of these areas are performed monthly by designated facility supervisors.

Type	Inspection Frequency
Secondary containment structures	Visual daily, documented monthly
Drum storage areas	Visual daily, documented monthly
Receiving area	Visual daily, documented monthly
Bulk storage tanks	Visual daily, documented monthly
Areas surrounding tanks	Visual daily, documented monthly
Spill prevention and cleanup equipment	Visual daily, documented monthly

Wade Sand and Gravel Company, Inc. will schedule and conduct training to assure operating personnel have adequate understanding of spill prevention and the contingency plans. Training topics include:

- Spill response;
- Spill prevention;
- Loading/unloading precautions;
- Dangerous waste and hazardous material management; and
- Recent spill events, equipment failures, malfunctioning equipment components, and recently developed precautionary measures.

6. EMERGENCY RESPONSE PLAN

Wade Sand and Gravel Company, Inc. maintains an Emergency Response Plan which addresses spill response procedures as follows:

6.1 Emergency Communication

Facility personnel can be contacted as follows:

- Direct dial using the site telephones.
- Accessing the facility two-way radio system.

6.2 Contact Lists

The Manager of each department, or their designated substitute, will act as Emergency Coordinator in initiating emergency procedures. There is one Emergency Coordinator, or a designated representative, on the site at all times for each department. The designated Area Supervisor will act as Emergency Coordinator during night shifts, on weekends, and on holidays.

The Emergency Coordinator is responsible for implementing this Plan and has full site authority to commit the resources necessary to remedy the emergency, including the commitment of money and potential facility shut down. In general, his/her role will be to work with local, state, and/or Federal agencies and emergency personnel to assure the safety of emergency workers on Wade Sand and Gravel Company, Inc. property.

Tables A-4 and A-5 identify the designated emergency contacts or agencies and their respective telephone numbers. In the case of an off-site release of a "reportable quantity" (RQ) of material, the local, state and federal agencies will be notified. Table A-6 identifies the material RQ relevant to the Facility.

Table A-4 - Designated Facility Emergency Coordinators

Title	**Monday - Friday: 8 am - 5 p.m.**		**Weekends, nights, holidays**
President	Robin A Wade III	(205) 942-3435	(205) 531-1979
Secondary Contact - Superintendent	Ken Dunnaway	(205) 324-6691	(205) 283-3214

Table A-5 - Supporting Off-Site Contacts

Immediate Notification is defined as 15 minutes after person in charge has knowledge of release

AGENCY	PHONE NUMBER	WHEN TO CALL
GENERAL		
Fire Department; Police Department; Ambulance Service;	911 911 911	Any emergency when needed
Jefferson County Emergency Management Agency	(205) 254-2039	Any large emergencies
Alabama Highway Dept. (ALDOT)	1-800-423-3218	
Alabama State Troopers	(205) 252-7445	
Birmingham City Police Dept.	(205) 328-9311	
Alabama Marine Police	(334) 676-6005	
Alabama Power Co.	(205) 326-8000	
Notification		
Jefferson County Emergency Management Agency	(205) 254-2039	
Alabama Department Environmental Management	(205) 942-6168 (205) 583-5560 (after hours) (334) 271-7700	Any amount released to navigable waters of the state, or conveyances to those waters (i.e., streams, creeks, ditches)
National Response Center (NRC)	(800) 424-8802	Any amount released to navigable waters of the state, or conveyances to those waters (i.e., streams, creeks, ditches)
Cleanup Assistance		
Spectrum Environmental Services, Inc.	(205) 664-2000	When cleanup assistance is required per plan

Table A-6 - Spill Reportable Threshold Quantities

Substance	Reportable Quantity (RQ)
Oil or Petroleum	Any amount released to navigable waters of the state, or conveyances to those waters (i.e., streams, creeks, ditches).

6.3 General Emergency Response Procedures

The following general procedures apply to all facility emergencies

6.3.1 Discovery of Emergency by Employee

The initial observation of an emergency may be made by any employee of Wade Sand and Gravel Company, Inc. The following steps will be taken if an employee discovers an emergency situation:

1. Remove yourself and others to safety.
2. Contact the appropriate Emergency Coordinator.

6.3.2 Emergency Coordinator Assessment of Emergency

When the Emergency Coordinator arrives at the site, he/she will take control of the affected area and will maintain authority until the situation has been controlled. In general, he/she will take the following steps.

1. Assess the type of emergency which is occurring, including the potential of personnel injury, facility damage, chemical release, fire, earthquake, floods, etc.
2. Contact 911 if an injury has occurred.
3. Secure the area and use communication systems, as required, to notify Facility personnel of the emergency and its potential hazards.
4. For oil releases, Immediately Notify (Immediate Notification is defined as 15 minutes after person in charge has knowledge of release) the appropriate outside agencies, provided in Table A-5, if the extent of the spill or emergency is beyond the ability of facility personnel to perform the appropriate chemical release cleanup activities.

The following information should be available when initiating a spill report to one of the agencies:

- Name of person reporting the spill.
- Address of the facility.
- The substance spilled or discharged.
- The estimated quantity of the spill or discharge.
- The time the spill or discharge occurred, or was discovered.
- Name of waterway receiving spillage or discharge.
- Person to contact and phone number of the facility.
- Answer any questions asked by the agency to the best of your ability.

7. FACILITY SECURITY PLAN

The purpose of the Security Plan is to monitor all entry into the facility and prevent any unwanted access. The plan will employ protective measures and procedures that will fight against seizure, sabotage, piracy, annoyance, or terrorism. The plan includes measures taken to respond if breech of security is found.

8. DESIGNATED RESPONSIBLE PERSON

The facility Environmental, Safety & Health Manager named below is the designated person responsible for implementing this Plan. He/she delegates responsibility for implementing this plan to area production and maintenance managers as presented in the Emergency Response Plan.

Name: Robin A. Wade III

9. PLAN UPDATES

Wade Sand and Gravel Company, Inc. will update the SPCC Plan once every five (5) years.

9.1 Review and Evaluation of SPCC Plan

Wade Sand and Gravel Company, Inc. will review petroleum storage and secondary containment structure inspections yearly and will review and evaluate the SPCC Plan once every five (5) years or whenever significant changes to the facility oil tanks have been completed.

If Wade Sand and Gravel Company, Inc. detects changes in oil tanks, the plan is updated. If the changes materially affect the facility's potential to cause an uncontrolled release of oil into the environment, the plan is recertified by a Professional Engineer.

SPCC Review Date	Wade Sand and Gravel Company, Inc. Signature
_____	_____
_____	_____
_____	_____

9.2 Distribution

Copies of this plan will be maintained on site and made available on site to all personnel.

SPCC PLAN – SPILL HISTORY FORM

SPCC SPILL HISTORY
(List all spills within past five years)

WADE SAND AND GRAVEL COMPANY, INC.
EAST THOMAS LIMESTONE PLANT
Birmingham, Alabama

Date of Spill: _____

Approximate Volume of Spill: ___ *Gallons*

Contents of Spill: _____

Description of occurrence:

_____
_____
_____

Remediation Actions Implemented:

_____
_____
_____

Date of Spill: _____

Approximate Volume of Spill: ___ *Gallons*

Contents of Spill: _____

Description of occurrence:

_____
_____
_____

Remediation Actions Implemented:

_____
_____
_____

SPCC PLAN – SPILL EVENT RECORD FORM

SPILL EVENT RECORD

Wade Sand and Gravel Company, Inc.
East Thomas Limestone Plant
Birmingham, Alabama

Date of Event: _____

Time: _____

Navigable Water Polluted: _____

I. CAUSE:

_____
_____
_____

II. CORRECTIVE ACTIONS AND/OR COUNTERMEASURES TOOK:

_____
_____
_____

III. ADDITIONAL PREVENTIVE MEASURES, if any:

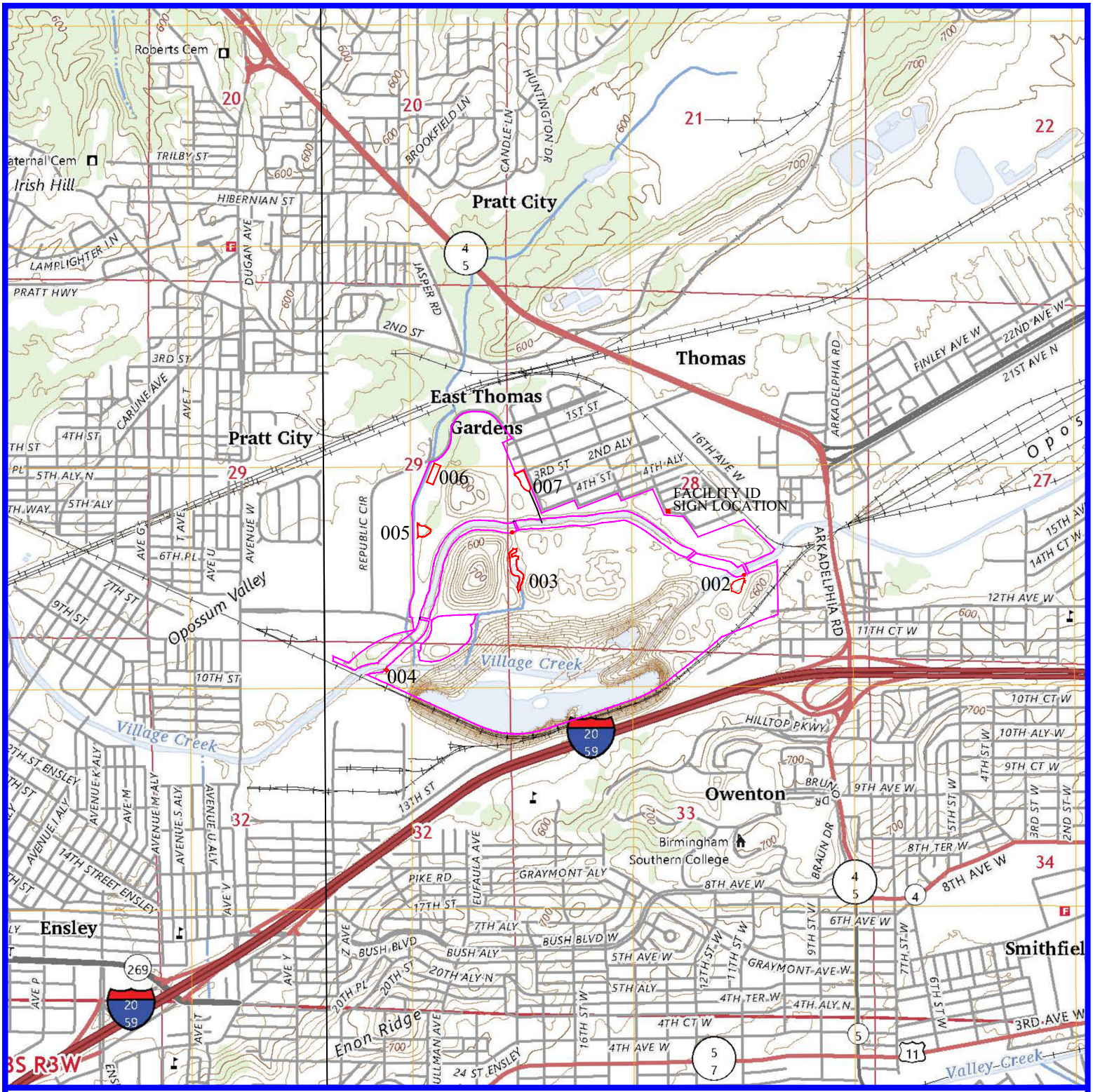
_____
_____
_____

Date and Time of Regulatory Notification, if any: _____

Regulatory Agency Notified, if any: _____

_____
Signature of Responsible Official

FACILITY VICINITY MAP



SCALE: 1" = 2000'

N
W E
S

WADE SAND & GRAVEL, INC.
EAST THOMAS LIMESTONE PLANT, AL0025194
NPDES PERMIT MAP

SECTIONS 28, 29, 32 & 33, TOWNSHIP 17 SOUTH, 3 WEST
ALL IN JEFFERSON COUNTY, ALABAMA
AS FOUND ON THE BIRMINGHAM NORTH, AL USGS QUAD

PERMIT BOUNDARY

mcgehee engineering corp
post office box 3431
jasper, alabama 35502-3431
telephone: (205) 221-0686 fax: 221-7721
email: staff@mcgehee.org

APPENDIX A-1

CERTIFICATION OF THE APPLICABILITY OF THE SUBSTANTIAL HARM CRITERIA

CERTIFICATION OF THE APPLICABILITY OF THE SUBSTANTIAL HARM CRITERIA

Facility Name: Wade Sand and Gravel Company, Inc.

Facility Address: 1200 10th Street West
Birmingham, Alabama 35204

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?

   Yes_____ No___√___

2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest above-ground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage tank area?

   Yes_____ No___√___

3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula in Attachment C-III to 40 C.F.R. Part 112, Appendix C or a comparable formula) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments? For further description of fish and wildlife and sensitive environments, see Appendices I, II, and III to DOC/NOAA's "Guidance for Facility and Vessel Response Plans: Fish and Wildlife and Sensitive Environments" (see 40 C.F.R. Part 112, Appendix E, section 10, for availability) and the applicable Area Contingency Plan.

   Yes_____ No___√___

4. Does the facility have a total oil storage capacity greater than or equal to I million gallons and is the facility located at a distance (as calculated using the appropriate formula in 40 C.F.R. Part 112, Attachment C-III or a comparable formula) such that a discharge from the facility would shut down a public drinking water intake?

   Yes_____ No___√___

5. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last 5 years?

   Yes_____ No___√___

- If a comparable formula is used, documentation of the reliability and analytical soundness of the comparable formula must be attached to this form.

- For the purposes of 40 C.F.R. Part 112, public drinking water intakes are analogous to public water systems as described at 40 C.F.R. § 143.2(c).

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

_____

_____

Date

ATTACHMENT A-1

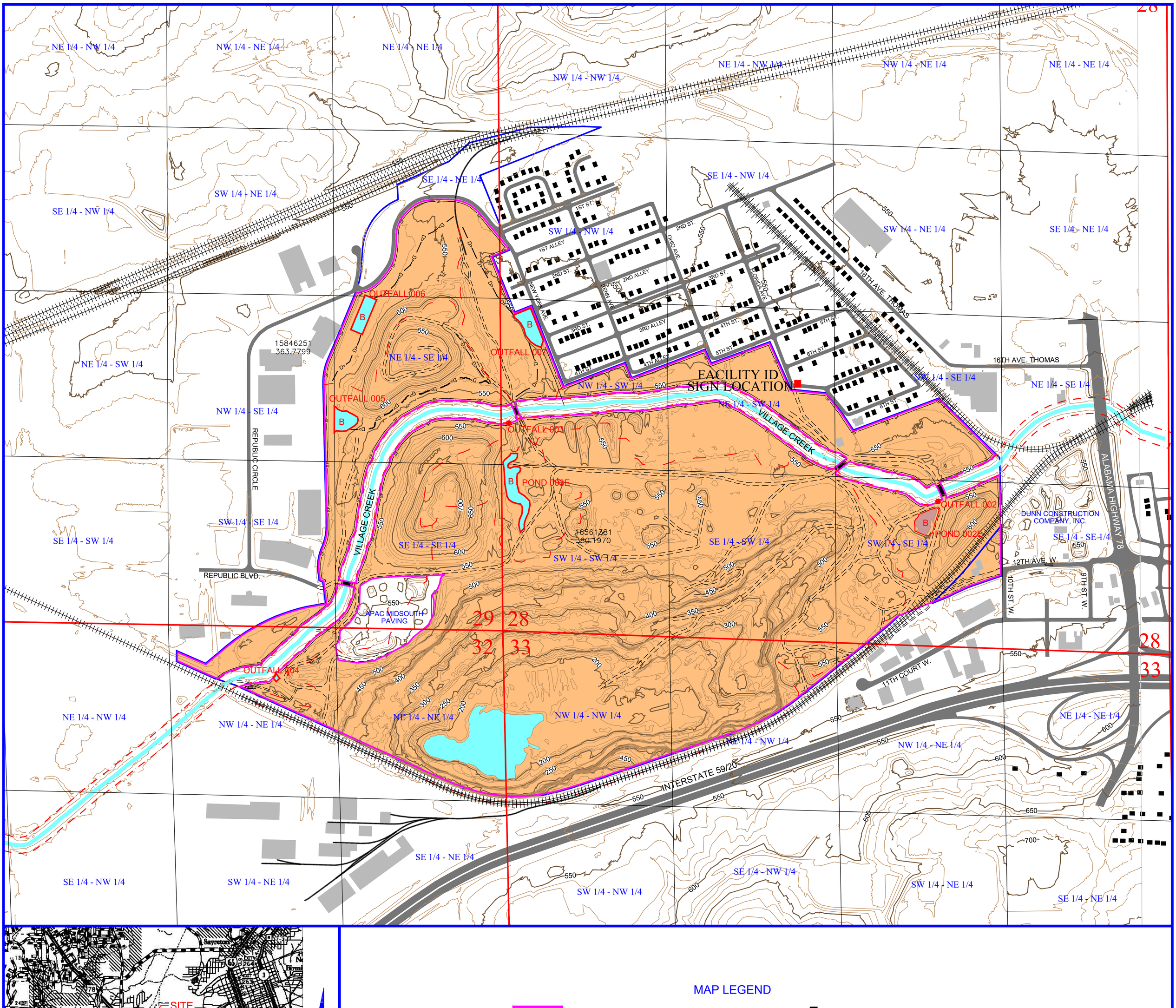
BRITTLE FRACTURE EVALUATION ATTACHMENT

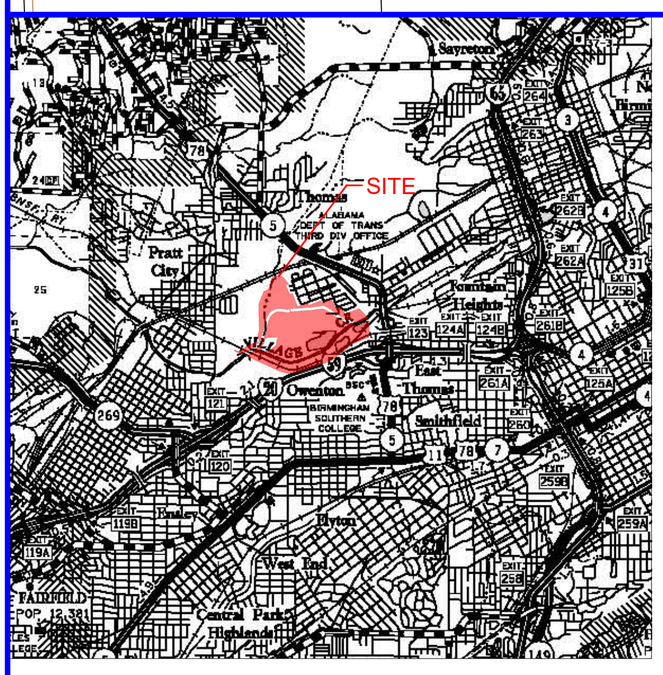
ATTACHMENT A-2

TANK INTEGRITY INSPECTION ATTACHMENT

ATTACHMENT A-3

FACILITY LAYOUT MAP





VICINITY MAP, SCALE: 1" = 1 MILE

MAP LEGEND

- NPDES PERMIT BOUNDARY/AREA (199 ACRES)
- B — OUTFALL/SEDIMENT BASIN
- DRAINAGE DIVIDE
- PUBLIC ROAD
- PRIVATE ROAD
- RAILROAD
- SF — SILT FENCE
- OCCUPIED DWELLING
- UNOCCUPIED BUILDING/WAREHOUSE, SHED, ETC.
- LAND HOOK
- 50' SETBACK OR STREAM BUFFER ZONE (FROM WATERS OF THE STATE OF ALABAMA)
- IMPOUNDED WATER
- D> — DIVERSION DITCH

N
W E
S

SECTION 28, 29, 32 & 33, TOWNSHIP 17 SOUTH,
RANGE 3 WEST, JEFFERSON COUNTY, ALABAMA
BASE MAP: BIRMINGHAM NORTH U.S.G.S. QUAD.

CONTOUR INTERVAL: 10 FT.
CONTOURS OBTAINED FROM
JEFFERSON COUNTY MAPPING.
FLIGHT DATE 2023.

I HEREBY CERTIFY THIS MAP TO BE
TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.

DATE

WADE SAND & GRAVEL COMPANY, INC.

EAST THOMAS LIMESTONE PLANT

NPDES PERMIT: AL0025194
PERMIT MAP

FILE:	SCALE:	JOB NO.:
EAST THOMAS	1" = 400'	
APPROVED BY:	DATE:	SHEET NO.:
C.W.M.	03/05/2026	1 OF 1

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jasper, alabama 35502-3431
telephone: (205) 221-0686 fax: 221-7721
email: cw@mcgehee.org

PROPERTY OWNERSHIP

WADE SAND & GRAVEL COMPANY, INC.

NOTES:

NO BUILDINGS WITHIN 300' OF PERMIT AREA OTHER THAN SHOWN.

PROPERTY OWNERSHIP BY QUARTER-QUARTER-SECTION (FORTY) EXCEPT WHERE NOTED OTHERWISE.

LOCATION OF LIMESTONE, OVERBURDEN AND WASTE STOCKPILES ARE SUBJECT TO CHANGE.

POLLUTION ABATEMENT PLAN MODIFICATION

Prepared for:

Alabama Department of Environmental Management

Wade Sand & Gravel, Inc.

East Thomas Limestone Plant

NPDES Permit AL0025194

April 7, 2026

Prepared by:

MCGEHEE ENGINEERING CORP.
P. O. Box 3431
Jasper, Alabama 35502-3431
Telephone: (205) 221-0686
Fax: (205) 221-7721

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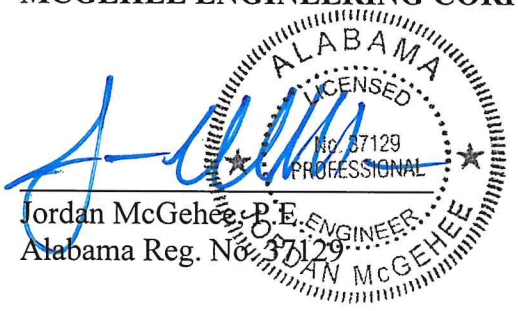
APPENDIX C
SILT FENCE DESIGN AND CONSTRUCTION SPECIFICATIONS

APPENDIX D
PRIMARY HAUL ROAD DESIGN AND CONSTRUCTION SPECIFICATIONS

DESIGN CERTIFICATION STATEMENT

I, Jordan McGehee, a qualified Registered Professional Engineer, hereby certify that the above "Pollution Abatement Plan Modification" was developed under my direct supervision and is true and correct to the best of my knowledge and belief.

MCGEHEE ENGINEERING CORP.



Jordan McGehee, P.E.
Alabama Reg. No. 37129

4/9/26
Date

GENERAL INFORMATION

Wade Sand & Gravel, Inc. currently operates a limestone quarry and processing facility. As part of these operations, the limestone will be mined & processed, loaded on trucks, and transported. All surface drainage will be drained into sedimentation ponds 002, 003, 004, 005, 006 or 007 or into the open pit.

The hours of operation will normally be 7:00 a.m. to 5:00 p.m., Monday through Friday. This facility employs approximately 35 employees.

TOPOGRAPHIC MAP.

Design plans submitted with this document provide an existing contour map taken from Birmingham North U.S.G.S., 7.5-minute, Quadrangle and combined with Jefferson County 2-foot contour mapping where available. The map shows the layout of the limestone mining facility, drainage patterns and proposed outfalls. All surface drainage from the mining area drains naturally into the proposed outfalls or into the open pit.

RAW MATERIALS, PROCESSES, AND PRODUCTS

The operations at Wade Sand & Gravel Co., Inc. are shown schematically in the included flow diagram for Plant #6-7. Dolomitic limestone and limestone is removed from the quarry and transported by truck via haul road to a crusher. The crushed stone is passed through a three-deck screen which separates the material into fractions. The 3/8" x 1" fraction is the primary product from this screening operation and it is passed to a washer for final processing. The other fractions from the screens are processed as follows: the
½" minus fraction is discharged to a bin and taken to an adjacent asphalt plant, the 1" x 3" fraction is discharged to a surge pile for subsequent crushing in another on-site plant and the 3" plus fraction is returned to the crusher for secondary crushing.

The 1" x 3" fraction of stone is stored in the surge pile and passed through a second crushing operation to product ¼" x ½" fraction. The ¼" fraction is discharged from the screen and the ¼" x ½" fraction is passed through a washer for final processing.

The two washers represent the primary sources of wastewater from the mining operations. The water supply for the washer is obtained from water that accumulates in the quarry. This water is pumped out of the quarry into sedimentation/holding pond 001E by a 1400 GPM pump and is discharged to the washer units to wash the "fines" from the crushed stone. The majority of the fines is removed from the washers by "sand augers" and is sold for construction purposes. The remainder of the fines is carried with the wash water via wastewater ditches back to sedimentation/holding pond 001E where they are permitted to settle so that the water can be

recycled back through the process. As the fines are a marketable material, they are periodically reclaimed from the drainage ditch and sedimentation pond. Quarry water is also pumped into sedimentation pond 002E. Overflow from sedimentation pond 001E travels to sedimentation pond 002E, with overflow from sedimentation pond 002E passing through an effluent pipe into Village Creek.

Since process water is recirculated in a closed-loop system between the sedimentation pond and the washers, no water is discharged into the creek except when the pump in the quarry is operated to pump from the quarry into the pond. Exact records are not available for the amount of time that this pump operates but it is estimated that approximately 1.2 MGD is discharged from the pond.

Plant #8 operations are comparable to the preceding narrative on Plant #6-7, only on a smaller scale. Approximately 1500 GPM of make-up water is utilized in Plant #8. (See attached flow diagram for Plant #8). Quarry water is pumped into sedimentation pond 003E as make up water. Water from the wash operations at Plant # 8 is recycled back through the ditch at the south of sedimentation pond 003E, where the fines are allowed to settle and are collected as a marketable material. Material settling occurs in the ditch at the south of sedimentation pond 003E, so clean water is discharged at the north of sedimentation pond 003E into Village Creek.

SURFACE WATER DIVERSIONS

The enclosed topographic map shows the contour of the land and general drainage patterns. All disturbed surface drainage will gravity drain through natural drainage courses or diversion ditches to the sediment basins.

In the event that diversion ditch construction is necessary, diversion ditches will be constructed in accordance with the "Attached Diversion Ditch Criteria".

QUALITY AND CHARACTERISTICS OF WASTE PRODUCTS

The only waste products produced at the limestone mine will be silts from processing operations. The silts will be trapped and settle when passing through the recirculation ponds sediment basin. Each sediment basin and recirculation ponds will be cleaned out as needed to provide adequate sediment retention volume for incoming materials. The pH, total iron and manganese, because of the nature of the operation, should pose no problem and should remain in compliance with the N.P.D.E.S. parameter requirements.

SOLID OR LIQUID WASTE DISPOSAL PLAN

The sediment basins will be cleaned out when the capacity of said basins reach sixty (60%) percent of their design capacity. The sediment basins will be cleaned out in an environmentally safe manner (loader, backhoe, etc.). Sediment removed from the sediment basins will be disposed of in the adjacent existing pit.

SOLID OR LIQUID WASTE DISPOSAL PLAN

The sediment basins will be cleaned out when the capacity of said basins reach sixty (60%) percent of their design capacity. The sediment basins will be cleaned out in an environmentally safe manner (loader, backhoe, etc.). Sediment removed from the sediment basins will be disposed of in the adjacent existing pit.

SEDIMENT CONTROL FOR HAULROADS AND INCIDENTALS

Haul roads, existing or created for this operation, will be ditched and stabilized by planting a grass mixture suitable for seasonal conditions, fertilizing and mulching all cut, fill, and borrow areas to minimize erosion and enhance re-stabilization. In small areas where incidental drainage cannot be diverted through the sediment basins, silt fences will be constructed to control runoff. Silt fences will be constructed in accordance with the attached "Silt Fence Design and Construction Specifications".

LOCATION OF ADJACENT STREAMS

Included in the N.P.D.E.S. Application is a map (Scale: 1" = 2,000') showing the location of all adjacent streams and the receiving water of this operation.

NON-POINT SOURCE DISCHARGE CONTROL

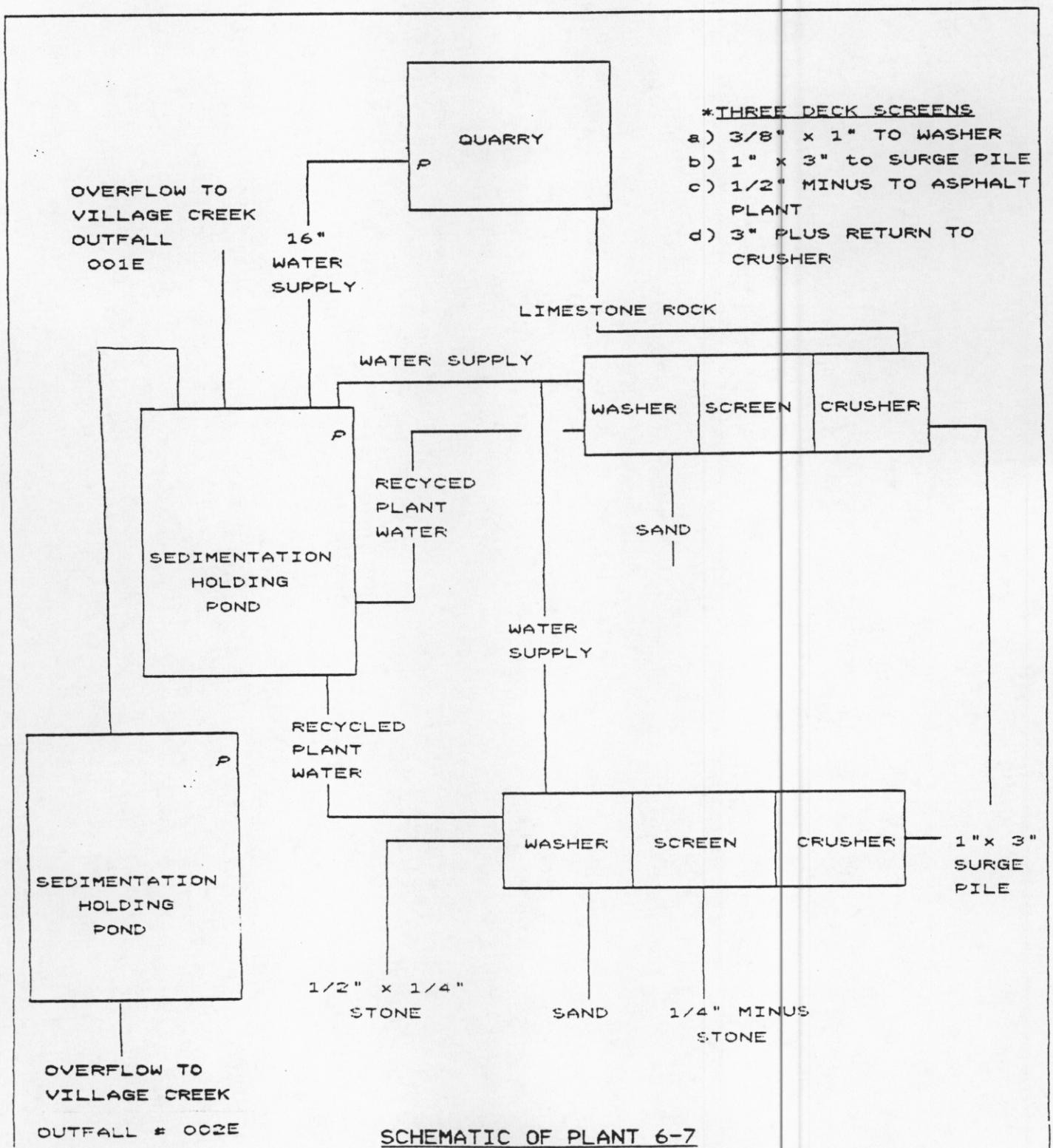
Because all disturbed areas are graded in such a manner as to route all drainage through the sediment basins, all drainage from the East Thomas Limestone Plant should carry all sediment (silts, clay, etc.) into the approved point source discharge outfalls. See the attached Sediment Basin Detail Design Plans for Sediment Basins 005-007.

PUBLIC WATER SUPPLIES

The receiving waters from the proposed facility is Village Creek or an unnamed tributary to Village Creek. The receiving waters are not a public water supply.

WADE SAND & GRAVEL CO., INC.
P.O. BOX 39048
BIRMINGHAM, ALABAMA 35208
(205) 324-6691

JOB East Thomas Limestone Plant
SHEET NO. _____ of _____
CALCULATED BY TKT
CHECKED BY _____
SCALE None

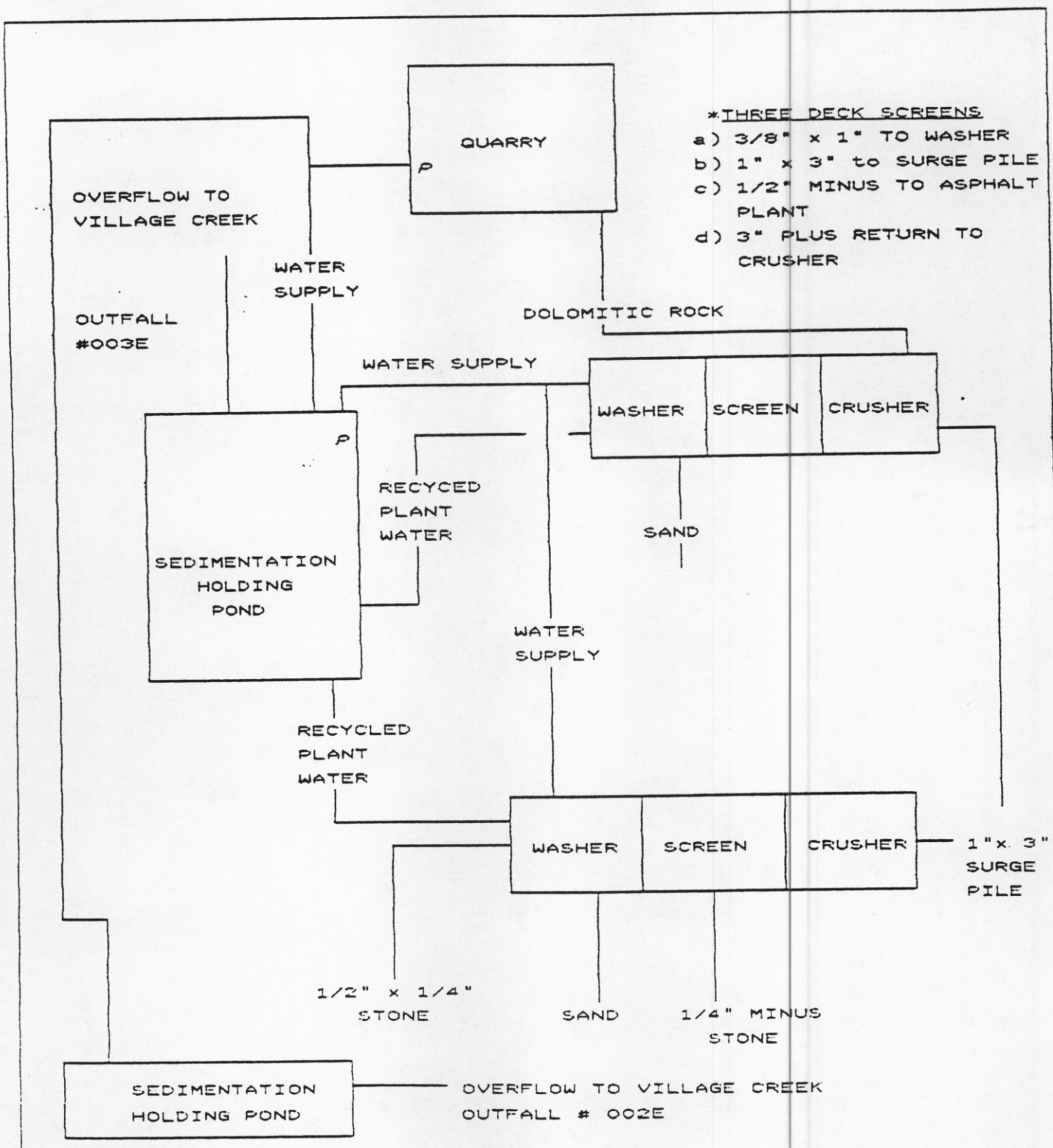


SCHEMATIC OF PLANT 6-7

FIGURE 1

WADE SAND & GRAVEL CO., INC.
P.O. BOX 39048
BIRMINGHAM, ALABAMA 35208
(205) 324-6691

JOB East Thomas Limestone Plant
SHEET NO. _____ of _____
CALCULATED BY TKT
CHECKED BY _____
SCALE None



SCEMATATIC OF PLANT 8

FIGURE 2

APPENDIX A

SEDIMENT BASIN CONSTRUCTION SPECIFICATIONS

SEDIMENT BASIN CONSTRUCTION SPECIFICATIONS

Proposed sediment basins (temporary or permanent) will be designed and constructed using the following as minimum specifications:

1. EMBANKMENT REQUIREMENTS

A) The minimum width of the top of the embankment will under no circumstance be less than twelve (12) feet.

B) The embankment will have a minimum front and back slope no steeper than 3 horizontal to 1 vertical.

C) The foundation area of the embankment will be cleared and grubbed of all organic matter with no surface slope steeper than 1 horizontal to 1 vertical.

D) A core will be constructed in a cutoff trench along the centerline of the embankment. The cutoff trench will be at least eight (8) feet wide with the side slope steepness to be no greater than 1 horizontal to 1 vertical. The material placed in the cutoff trench will be compacted to ninety-five (95%) percent of the standard proctor density, as set forth in ASTM.

E) The embankment construction material will be free of sod, roots, stumps, rocks, etc., which exceed six (6") inches in diameter. The embankment material will be placed in layers of twelve (12") inches or less and compacted to ninety five (95%) percent of the standard proctor density, as set forth in ASTM.

F) The embankment, foundation and abutments will be designed and constructed to be stable under normal construction and operating conditions, with a minimum static safety factor of 1.5 and a minimum seismic safety factor of 1.2, at normal pool level with steady seepage saturation conditions.

G) The actual constructed height of the embankment will be a minimum of five (5%) percent higher than the design height to allow for settling over the life of the embankment.

H) All basins will have a minimum of 1.5 feet of freeboard between the normal overflow and the emergency spillway and a minimum 1.5 feet of freeboard between the height of the maximum design flow and the top of the dam anticipated from a 25 Year - 24 Hour precipitation event.

SEDIMENT BASIN CONSTRUCTION SPECIFICATIONS (continued)

I) For embankments constructed as point source discharges, the embankment will be constructed and abutments keyed into undisturbed, virgin, ground if at all possible. In the event that this cannot be achieved, additional design and construction specifications will be submitted in the Detailed Basin Design Plans.

J) The embankment and all areas disturbed in the construction of the embankment will be seeded with a mixture of perennial and annual grasses, fertilized and mulched to prevent erosion and ensure re-stabilization. Hay dams, silt fences, and rock check dams, etc. will be installed, where deemed necessary, as additional erosion prevention methods.

2. DISCHARGE STRUCTURE REQUIREMENTS

A) The primary spillway will be designed to adequately carry the anticipated peak runoff from a 25 Year - 24 Hour precipitation event. The combination primary and secondary (emergency) spillway system will be designed to safely carry the anticipated peak runoff from a 25 Year - 24 Hour precipitation event. When sediment basins are proposed in the drainage course of a public water supply, the spillway system will be designed and constructed to adequately carry the runoff from a 50 Year - 24 Hour precipitation event. The emergency spillway in the control section will be at least 20 feet in length; the side slopes will be no steeper than 2:1, and the percent slope from the entrance to the exit section of the emergency spillway will be no greater than that stated in the design plans.

B) Channel linings, for single channel spillway systems, will be riprap or concrete.

C) When consisting of pipe, the primary spillway will be installed according to Class “C” pipe installation for embankment bedding. Where exposed above ground along the backslope of the embankment, the pipe will have an anti-seep collar installed at each joint of the discharge pipe to radiate at least two (2) feet from the pipe in all directions.

D) Sediment basins with a single spillway system, such as a skimmer board, will be a trapezoidal open channel constructed in consolidated, non-erodible material and lined with riprap, concrete, asphalt or durable rock.

SEDIMENT BASIN CONSTRUCTION SPECIFICATIONS (continued)

E) The primary spillway will be designed and constructed with a device to eliminate floating solids from leaving the impoundment. This device will consist of a turned down elbow when using pipe or a skimmer system when using an open channel spillway.

F) When necessary, to prevent erosion of the embankment or discharge area, a splash pad of riprap, durable rock, saccrete, etc. will be installed at the discharge end of the primary spillway.

G) The combined spillway systems, for sediment basins constructed in series, will be designed to adequately accommodate the entire drainage area.

3. INSPECTION, MAINTENANCE AND CERTIFICATION REQUIREMENTS

A) Inspections will be conducted regularly during construction of the sediment basin by a qualified registered professional engineer or other qualified person under the direction of a professional engineer. Upon completion of construction, the sediment basin will be certified, by a qualified registered professional engineer, to the Regulatory Authority as having been constructed in accordance with the approved detailed design plans.

B) Sediment basins will be inspected semi-monthly for erosion, instability, etc., until the removal of the structure or an NPDES Permit is no longer required at this site.

C) Sediment basins will be examined quarterly for structural weakness, instability, erosion, slope failure, or other hazardous conditions.

D) If during the above described periodic inspections, it is determined that there exists signs of structural weakness, instability, erosion, slope failure, improper functioning, or other hazardous conditions, these will be repaired immediately.

E) Standard anticipated maintenance will include repairing rills and gullies, repairing slope failures, re-seeding areas of failed or scarce vegetation, cleaning out or removing debris obstructing pipes and/or spillways to allow proper functioning, etc. Standard maintenance discovered during the above described periodic inspections will be performed immediately. Hazardous conditions observed during inspections will be reported immediately to the Regulatory Authority for furthers consultation or instructions.

F) Retained sediment will be removed from each sediment basin when the accumulated sediment reaches sixty (60%) percent of its design capacity.

SEDIMENT BASIN CONSTRUCTION SPECIFICATIONS (continued)

4. BASIN REMOVAL REQUIREMENTS

A) Upon completion of mining, reclamation, restabilization and effluent standards being met, the operator will submit to ADEM a request in writing to abandon, remove, or permanently leave the sediment basin(s) and measures that will be taken to comply with applicable ADEM regulations.

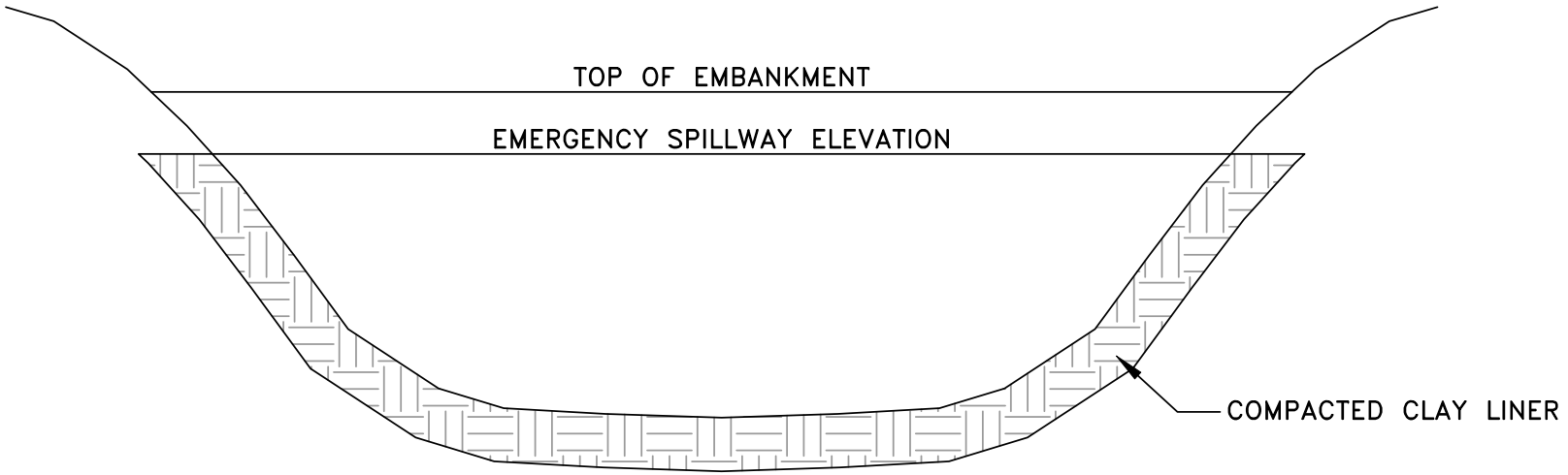
B) Once the operator has received approval from ADEM, each sediment basin not proposed as a permanent water impoundment will be de-watered in a controlled manner by either pumping or siphoning. Upon successful dewatering, a determination will be made as to the retained sediment level in the basin. After determining the retained sediment level, a channel will be cut into the embankment down to the retained sediment level on the side of the embankment deemed most suitable to reach natural ground without encountering prohibiting rock. The embankment material removed from this newly constructed channel will be spread and compacted over the previous impoundment (wet area) area to prevent erosion and ensure re-stabilization. The newly constructed channel will be of adequate width (minimum 30 feet) and sloped to a grade (approximately 1% to 3%) which will cause all surface drainage to travel across this area in sheet flow, minimizing the possibility of erosion. Also, where necessary, hay dams will be installed in strategic locations across the width of the channel to retain sediment and slow the water velocity to a favorable rate. Upon removal of the embankment section, all disturbed areas will be graded in such a manner to ensure slope stability, successful re-stabilization and to minimize erosion. All disturbed areas will be seeded with a mixture of annual and perennial grasses fertilized and mulched. No slope, existing or created in the removal of the sediment basin, will be left on a grade that will slip or slough.

5. PERMANENT WATER IMPOUNDMENT REQUIREMENTS

A) All sediment basins remaining as permanent water impoundments will have supplemental data submitted to the Regulatory Authority concerning water quality, water quantity, size, depth, configuration, postmining land use, etc.

B) Final grading slopes of the entire permanent water impoundment area will not exceed a slope of 2 Horizontal to 1 Vertical to provide for safety and access for future water users.

TYPICAL IMPOUNDMENT PROFILE
CLAY LINER CROSS-SECTION



In the event that a sediment basin must be constructed in spoil material, the interior or wet area of the basin will be lined with a minimum of one (1') foot of clay material with a permeability no greater than 0.000001 cm./sec. up to the emergency spillway elevation. The clay liner material will be placed in lifts no greater than six (6") inches and compacted to ninety–five (95) percent of the standard proctor density.

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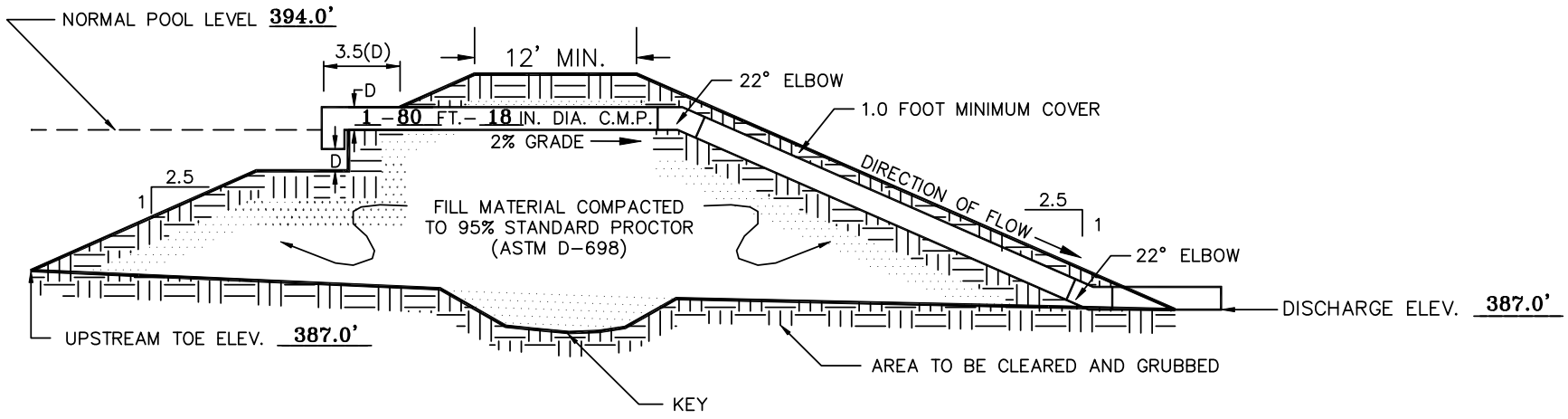
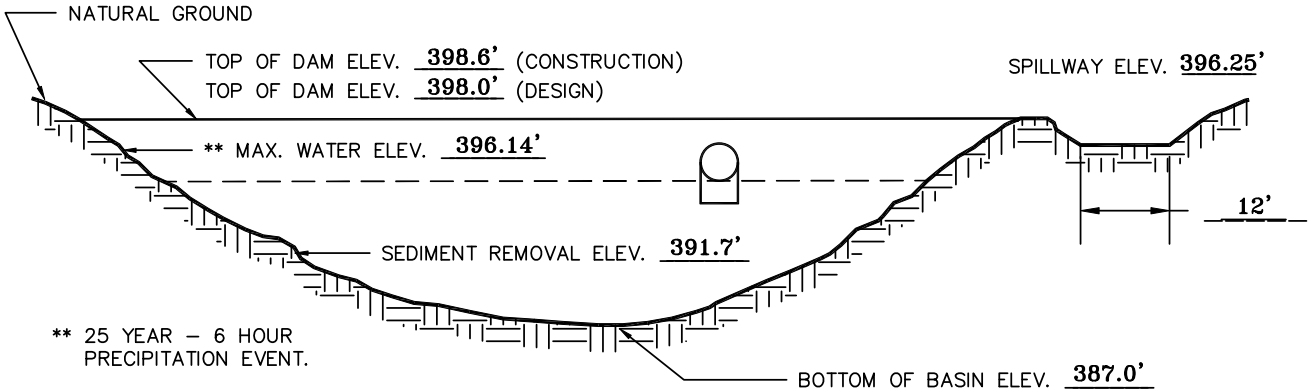
email: cw@mcgehee.org

TYPICAL EMBANKMENT CROSS-SECTION



TYPICAL IMPOUNDMENT PROFILE



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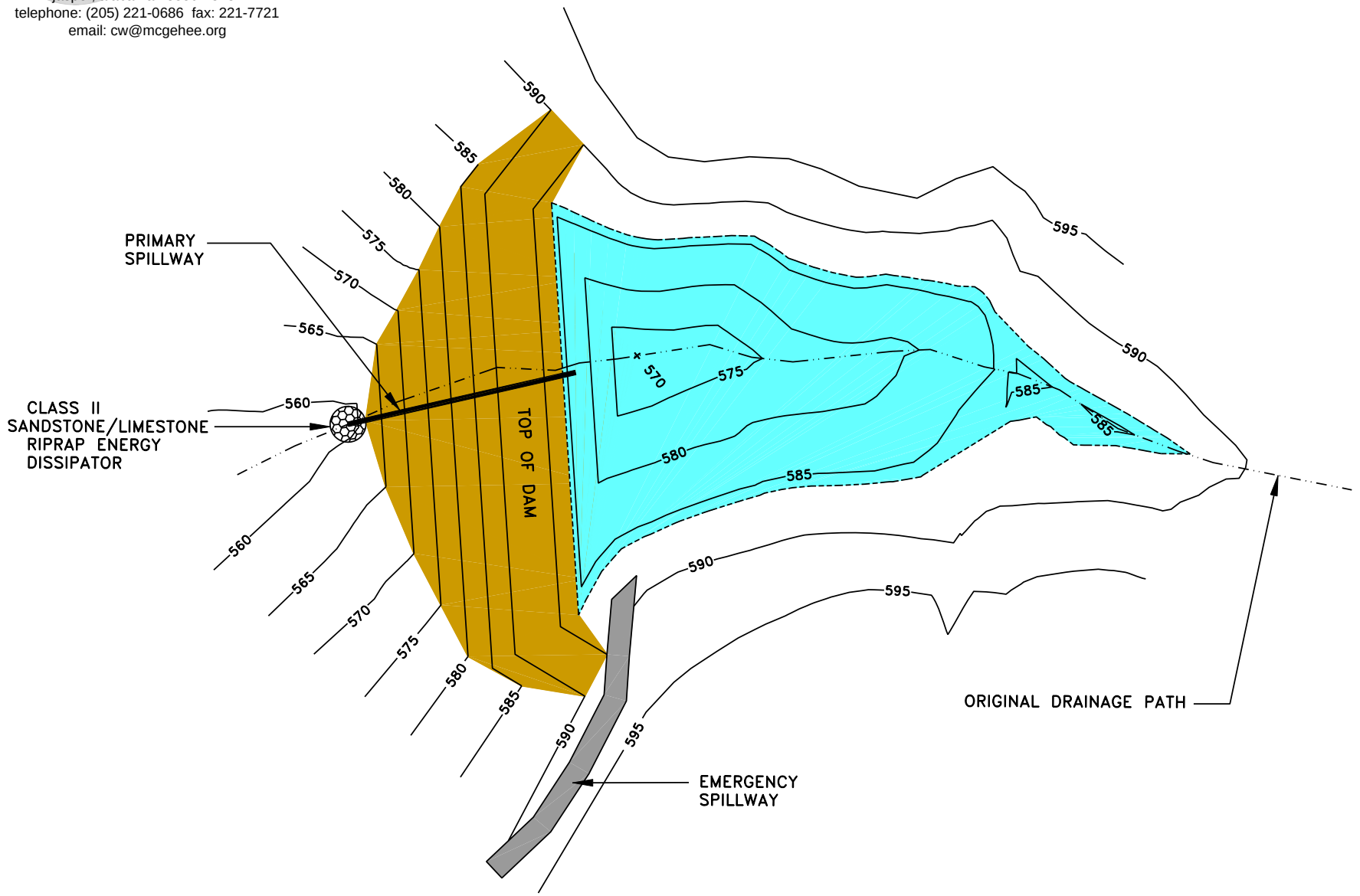
PLAN VIEW OF EMBANKMENT POND
TYPICAL DRAWING



Wade Sand & Gravel, Inc.
East Thomas Limestone Plant
Pollution Abatement Plan Modification

DETAIL DESIGN PLANS

APPENDIX B

DIVERSION DITCH CONSTRUCTION SPECIFICATIONS

DIVERSION DITCH AND DIVERSION BERM DESIGN AND CONSTRUCTION SPECIFICATIONS

1) Temporary diversions will be designed and constructed to adequately carry the runoff from a 2-Year - 6 Hour precipitation event.

2) Permanent diversions will be designed and constructed to adequately carry the runoff from a 10 Year - 6 Hour precipitation event.

3) Permanent diversions will be designed and constructed with gently sloping banks stabilized with appropriate vegetation.

4) All diversions will be designed, constructed and maintained, using the best technology currently available, whereas additional contribution of suspended solids to stream-flow and to runoff outside the permit area is prevented.

5) Maintenance of appropriate gradient, channel lining, revegetation, roughness structures, detention basins, etc. will be used, when necessary, as sediment control measures for these diversions.

6) Diversions will not be constructed on existing landslides nor be located so as to increase the potential for landslides.

7) Temporary diversions will be removed and the affected area regarded, topsoiled (if required) and revegetated when no longer needed.

8) Channel linings, for diversions with slopes of five (5%) percent or less, will consist of a mixture of both annual and perennial grasses being predominantly fescue and bermuda. Channel linings, for diversions with slopes greater than five (5%) percent, will consist of riprap or other non-erodible material or cut into non-erodible material.

9) Adequate freeboard will be provided for protection for transition of flows and critical areas such as swells and curves along the entire diversion length.

10) At discharge points, where diversions intersect with natural streams or exit velocities of the diversion are greater than that of the receiving streams, energy dissipaters will be installed when deemed necessary.

DIVERSION DITCH AND DIVERSION BERM DESIGN AND CONSTRUCTION SPECIFICATIONS (continued)

11) Excess material excavated in the construction of the diversion, not needed for diversion channel geometry or the re-grading of the channel; will be disposed of in the mining pit.

12) Diversions will not be designed or constructed to divert water into underground mines without written approval from the Regulatory Authority.

13) The entire area in which a diversion berm is proposed will be cleared and grubbed of all organic material, scarified, and no surface slopes will be left steeper than 1V:1H.

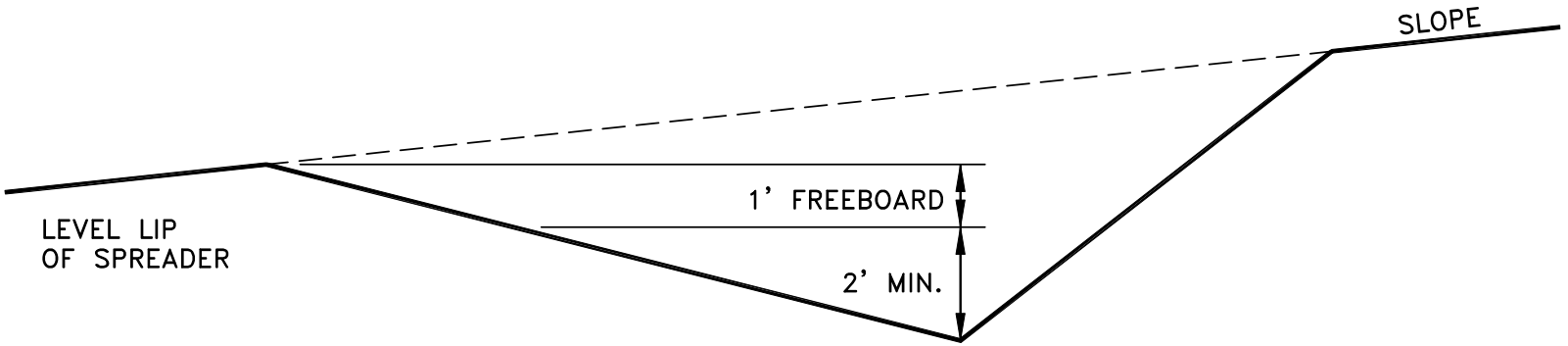
14) Diversion berms will be constructed with desirable material, free of sod, stones, roots, limbs, etc. over six (6") inches in diameter. This material will be spread in layers no greater than twelve (12") inches in thickness and compacted to ninety five (95%) percent of the standard proctor density, as outlined in ASTM, until the design height is reached.

15) Upon completion of construction of diversion ditches or diversion berms, all disturbed areas will be seeded with a mixture of both annual and perennial grasses, fertilized, and mulched in order to minimize erosion and ensure re-stabilization.

16) All diversions (berms or ditches) will be examined quarterly for erosion, instability, structural weakness, or other hazardous conditions and maintenance performed as necessary.

DIVERSION DITCH
TYPICAL CROSS-SECTION

GRADE: 1% MINIMUM
3% MAXIMUM



DITCH PROTECTIVE LINER: GRASS MIXTURE, PREDOMINATELY
BERMUDA AND FESCUE GRASSES.

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email: cw@mcgehee.org

APPENDIX C

SILT FENCE DESIGN AND CONSTRUCTION SPECIFICATIONS

SILT FENCE DESIGN AND CONSTRUCTION SPECIFICATIONS

1) Mesh height - 3'0" including 6" trench flap.

1) Prefabricated with 4 1/2" long treated hardwood stakes spaced on 7'7" centers.

2) Mesh opening - Equivalent Opening Size (E.O.S.) by U.S. Standard sieve measure (ASTM D4751-87) is 20-30 mesh.

4) Allowable Flow Rate - 40 gallon per minute per square foot (Test Method CFMC GET-2).

5) Maximum Particle Size Passing - 0.595 millimeter.

6) Mullein Burst Strength - 210 pounds per square inch (ASTM D- 3786-80).

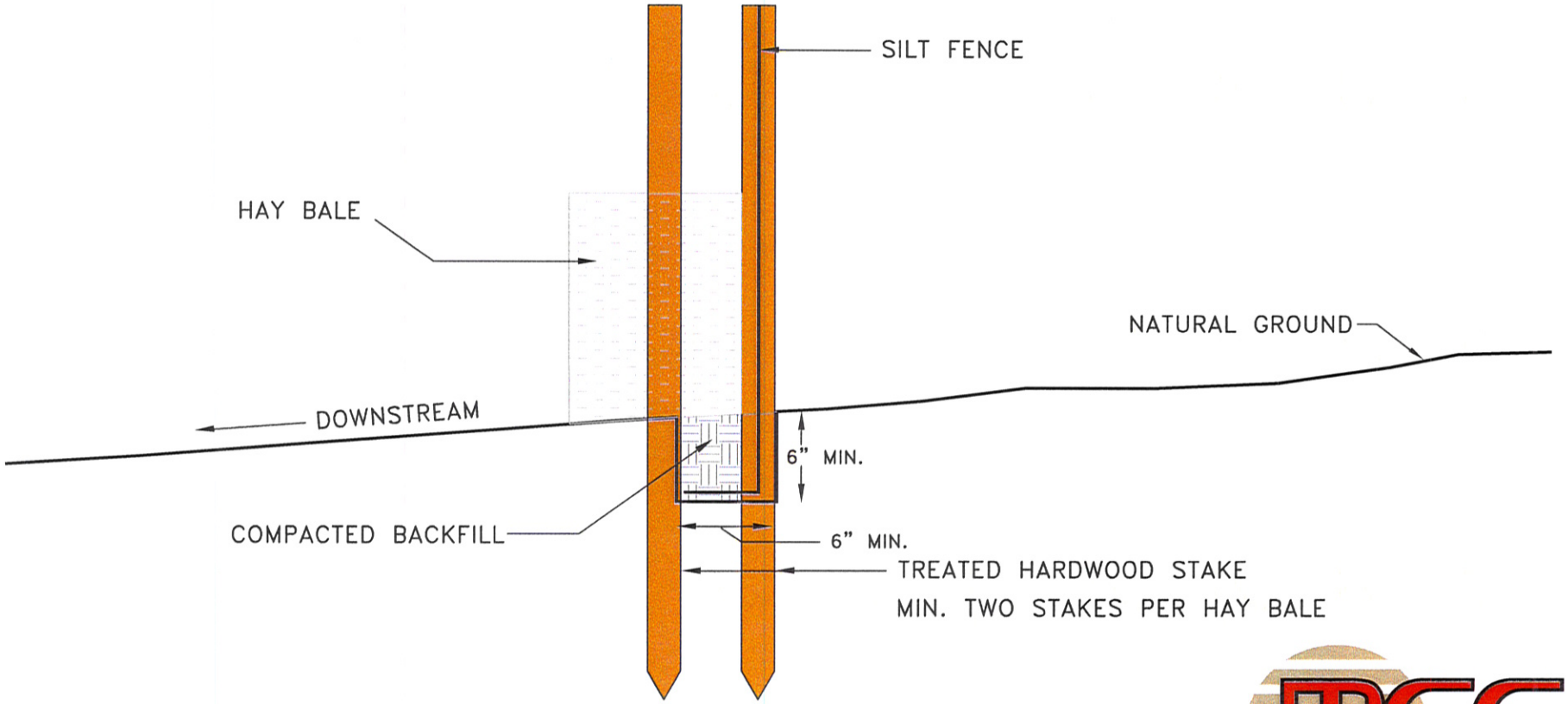
7) Grab Strength - 120 pounds per square inch.

8) Maximum Elongation - 30 percent (ASTM D-1682-64).

9) The silt fence will be installed by initially cutting a trench approximately six (6") inches wide by six (6") inches deep, along the contour for the entire length of the fence. Upon completion of the trench, the silt fence will be stretched along side the trench with the treated hardwood stakes being driven into the ground approximately two (2') feet deep against the upper wall of the trench. The six (6") inch trench flap will then be laid along the bottom of the trench and covered with compacted fill material. (See Attached Typical Section)

10) Prior to the removal of the silt fence, any silt or sediment retained by the silt fence will be seeded with a mixture of both annual and perennial grasses, fertilized and mulched.

TYPICAL SILT FENCE/HAY DAM CONSTRUCTION LAYOUT



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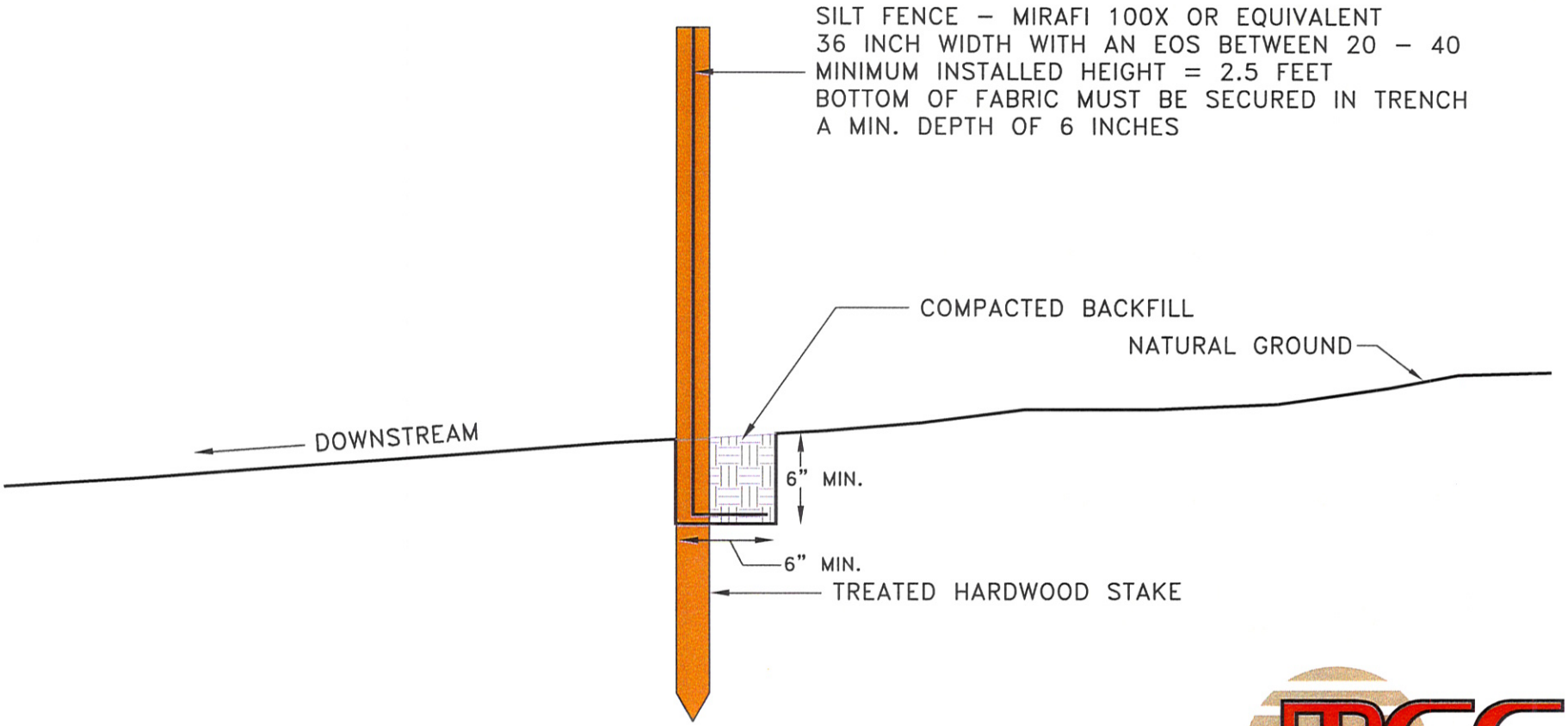
TYPICAL SILT FENCE CONSTRUCTION LAYOUT



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APPENDIX D

PRIMARY HAUL ROAD

DESIGN AND CONSTRUCTION SPECIFICATIONS

Wade Sand & Gravel, Inc.
East Thomas Limestone Plant
Pollution Abatement Plan Modification

DESIGN, CONSTRUCTION, MAINTENANCE, AND RECLAMATION SPECIFICATIONS FOR PRIMARY ROADS

1. LOCATION

A) Primary roads will be located on ridges or high areas or on the most stable available slopes so as to control and prevent erosion, siltation, flooding, and adverse impacts to fish and wildlife, or their habitat and related environmental values, to the extent possible.

B) No part of any primary road will be located in the channel of an intermittent or perennial stream without written approval from the Regulatory Authority.

C) If at all possible, all primary roads will be located upstream of sediment basins to prevent, control and minimize additional contributions of suspended solids to stream flow or runoff outside the permit area, the violation of applicable State or Federal water quality standards, seriously altering the normal flow of water in stream-beds or drainage channels, and damage to all public or private property.

D) In instances where it is not possible to locate primary roads in the above manner, sediment control will be achieved by the use of silt fences, rock check dams, hay bale berms, etc.

2. DESIGN REQUIREMENTS

A) Primary roads will be designed by or under the direct supervision of a qualified registered Professional Engineer experienced in the design and construction of roads, in accordance with the ADEM rules and regulations, and current, prudent engineering practices. No Primary Road grade will be steeper than fifteen (15) percent.

B) All primary roadway embankments will be designed and constructed to be stable under normal construction and operating conditions, with a minimum static safety factor of 1.3.

C) All primary roads will be designed, constructed, reconstructed and maintained to have adequate drainage control structures to safely pass the peak runoff anticipated from a 10 year, 6 hour precipitation event.

3. CONSTRUCTION REQUIREMENTS

A) The foundation area of the roadbed will be cleared and grubbed of all organic material and the topsoil will be removed. The disturbed area will be kept to the minimum necessary to accommodate the roadbed and/or associated drainage ditch construction.

B) The road construction material will be suitable subgrade material, free of sod, roots, stumps, etc., and will not contain rocks which exceed twelve (12) inches in diameter. The road construction material will be placed in layers (12 inch maximum thickness) and compacted to ninety five (95%) percent of the standard proctor density, as set forth in ASTM.

C) The minimum top width of primary roads will under no circumstance be less than sixteen (16) feet and will be of maximum width necessary to facilitate the largest equipment using the road.

D) All slopes (cut and fill) will be no steeper than 2 horizontal to 1 vertical, unless specified otherwise in the detailed design.

E) Roadbeds will be cut into consolidated, non-erodible material or will be surfaced with durable, non-toxic, non-acid forming material. In most instances, durable sandstone overburden material from the mine site will be used for surfacing material. In instances where durable sandstone overburden material from the site is not available or suitable, then durable, non-toxic, non-acid forming material, such as chert, crushed limestone, redrock, and/or crushed sandstone will be hauled in from off site, placed and compacted on the roadbed surface a minimum depth of four (4) inches.

F) Primary roads will be constructed with grades no steeper than fifteen (15) percent for no more than 300’.

4. DRAINAGE AND SEDIMENT CONTROL REQUIREMENTS

A) Primary roads will be constructed, reconstructed, and maintained to have adequate drainage control, using structures such as, but not limited to bridges, culverts, drainage pipes, ditches, cross drains, and ditch relief drains designed to safely pass the peak runoff anticipated from a 10-year, 6-hour precipitation event. All drainage control structures will be designed and constructed in such a manner whereas, to allow a free and operating conditions to prevent, control, and minimize erosion at the inlets and outlets.

B) Culverts and drainage pipes will be designed and installed to provide adequate support for the load of the largest equipment using the road. For design purposes, "H-20" (live load + impact) was used. All culverts or drainage pipes with diameters of forty-eight (48) inches or less will be covered with a minimum of one (1) foot and the maximum cover will not exceed fifty-seven (57) feet of desirable compacted material. All culverts or

drainage pipes with diameters greater than forty- eight (48) inches will be covered with a minimum of two (2) feet and the maximum cover will not exceed forty-one (41) feet of desirable compacted material.

C) Culverts and drainage pipes will be designed and installed to allow adequate freeboard to prevent overtopping of the embankment.

D) Drainage ditches, cross drains, and ditch relief drains will be constructed and maintained to prevent uncontrolled surface drainage over the road surface and roadway embankment.

E) Drainage ditches will be constructed with no sustained grades greater than five (5%) percent, unless unavoidable. If ditches must be constructed with grades in excess of five (5%) percent, drainage ditches will be lined with riprap.

F) Sediment control will be achieved by the use of silt fences, rock check dams, hay bale berms, etc. in strategic locations, to prevent excessive siltation to the receiving streams.

G) Upon completion of construction of all roads, the side slopes of the roadway cut and fill sections, including all borrow areas formed in the construction, areas used for disposal of excess material, ditches, etc. will be seeded with a mixture of perennial and annual grasses, fertilized and mulched to prevent erosion and ensure restabilization. Grass mixtures will include, but not be limited to, fescue, bermuda, rye grass, browntop millet, clover and sericea.

5. INSPECTION AND MAINTENANCE REQUIREMENTS

A) Routine inspections and maintenance (such as re-grading, resurfacing, maintenance of sediment control structures, spot replanting, and dust control) will be conducted regularly during the life of each road to assure that each road continually meets design and performance standards.

B) Dust control will be achieved by the periodic application of water, chemical binders and/or other dust suppressants.

C) Any road damaged by a catastrophic event, such as a flood, or earthquake, will be repaired as soon as it is practicable after the damage has occurred.

6. REMOVAL AND RECLAMATION REQUIREMENTS

A) All primary roads that are not mined through and remain after the completion of mining may be left as permanent roads for landowner access, if there is no opposition by said landowner.

B) All primary roads that are not mined through and remain after the completion of mining whic are not to be retained as permanent for landowner access will be removed and reclaimed as soon as practicable after it is no longer needed for mining and reclamation purposes. This removal and reclamation will include:

1. Closing the road to traffic.

2. Removing all bridges, culverts, drainage pipes, and other drainage control structures, unless otherwise approved as part of the postmining land use.

3. Removing and/or otherwise disposing of road surfacing materials, that are not compatible with the postmining land use and re-vegetation requirements, onsite or removed and stored for re-use.

4. Reshaping and re-grading cut and fill slopes as necessary to be compatible with the postmining land use and to compliment the natural drainage pattern of the surrounding terrain.

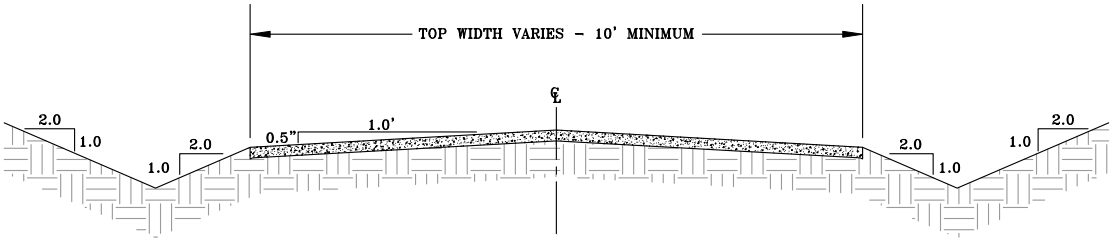
5. Protecting the natural drainage patterns by installing dikes or cross drains as necessary to control surface runoff and erosion.

6. Scarifying or ripping the roadbed, replacing topsoil or substitute material, and revegetating the entire disturbed area.

8. TYPICAL ROADBED CONFIGURATION

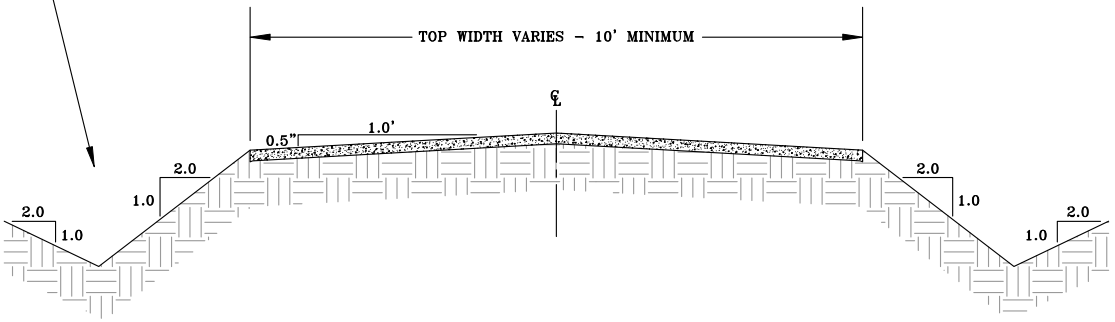
A) See attached drawings, cross-sections, etc., for an illustration of the typical roadbed configurations.

ANCILLARY ROAD
TYPICAL CUT SECTION



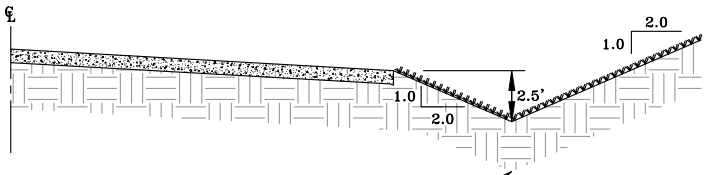
DRAINAGE DITCH TO BE LINED WITH GRASS MIXTURE.

ANCILLARY ROAD
TYPICAL FILL SECTION



ANCILLARY ROAD
TYPICAL DRAINAGE DITCH CROSS-SECTION

MINIMUM DRY FREEBOARD: 0.5'
MAXIMUM FLOW DEPTH: 2.0'



MINIMUM GRADIENT: 0.5%
MAXIMUM GRADIENT: 10.0%

DRAINAGE DITCH TO BE LINED WITH GRASS MIXTURE.

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