STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

Magnolia Materials, LLC
Hot Mix Asphalt Plant

Oxford, Mississippi

February 2026

Prepared for:

Magnolia Materials, LLC
31 Highway 328
Oxford, Mississippi 38655

Prepared by:

FC&E Engineering, LLC
917 Marquette Road
Brandon, MS 39042
(601) 824-1860

FC&E Engineering, LLC
Water ▪ Soils ▪ Air ▪ Compliance

TABLE OF CONTENTS

ABOUT THIS PLAN ..... **iii**

CERTIFICATION ..... **iv**

POLLUTION PREVENTION TEAM ..... **v**

1.0 SITE DESCRIPTION/MAP **1**

1.1 FACILITY DRAINAGE 1
1.2 STORAGE CAPACITY 2
1.3 POTENTIAL RELEASES AND PREVENTION CONTROLS 2

2.0 INVENTORY OF EXPOSED MATERIALS **2**

3.0 SIGNIFICANT SPILLS AND LEAKS **4**

4.0 NON-STORM WATER DISCHARGES **4**

5.0 BEST MANAGEMENT PRACTICES **6**

5.1 GOOD HOUSEKEEPING MEASURES AND CONTROLS 6
5.2 PREVENTIVE MAINTENANCE AND INSPECTION 7
5.3 SPILL PREVENTION AND RESPONSE PROCEDURES 7
5.4 EMPLOYEE TRAINING 9
5.5 SEDIMENT AND EROSION CONTROL 10
5.6 MANAGEMENT OF STORM WATER RUNOFF 10
5.7 SITE SPECIFIC BEST MANAGEMENT PRACTICES 11

6.0 SITE INSPECTION AND SWPPP EVALUATION REQUIREMENTS **12**

6.1 MONTHLY SITE INSPECTIONS 12
6.2 ANNUAL COMPREHENSIVE SITE INSPECTION AND SWPPP EVALUATION 12

7.0 RECORDKEEPING AND REPORTING **13**

8.0 SPECIAL REQUIREMENTS **14**

8.1 SECTION 313 SPECIAL REQUIREMENTS 14
8.2 SALT PILES 14
8.3 DISCHARGES TO LARGE OR MEDIUM SEPARATE STORM WATER SYSTEMS 14
8.4 COAL PILES 14

9.0 MONITORING AND SAMPLING REQUIREMENTS **14**

10.0 SECURITY **15**

TABLE OF CONTENTS (CONTINUED)

LIST OF FIGURES

FIGURE 1: SITE LOCATION TOPOGRAPHIC MAP

FIGURE 2: SITE LAYOUT MAP

FIGURE 3: SITE LAYOUT INCLUDING NEARBY PROPERTIES

FIGURE 4: EQUIPMENT LAYOUT PLAN

FIGURE 5: GRADING AND DRAINAGE PLAN

FIGURE 6: GRADING AND DRAINAGE TABLES

FIGURE 7: RETENTION POND GRADING AND DETAILS

LIST OF WORKSHEETS

WORKSHEET 1: CHEMICAL STORAGE CONTAINERS AND REPORTABLE QUANTITIES (RQ)

WORKSHEET 2: SUMMARY OF MATERIALS EXPOSED TO STORM WATER

WORKSHEET 3: EXISTING AND PROPOSED BMPS

WORKSHEET 4: MONTHLY LIST OF SPILLS AND LEAKS

WORKSHEET 5: NON STORM WATER DISCHARGE ASSESSMENT AND CERTIFICATIONS

WORKSHEET 6: MONTHLY INSPECTION CHECKLIST

WORKSHEET 7: ANNUAL EVAL./CERTIF. FORM TO BE SUBMITTED TO THE MDEQ

WORKSHEET 8: MONTHLY AIR MONITORING FORM

WORKSHEET 9: ANNUAL AIR OPERATING FORM

WORKSHEET 10: EMPLOYEE TRAINING LOG

LIST OF APPENDICES

APPENDIX A: HOT MIX ASPHALT GENERAL PERMIT

APPENDIX B: COMPLIANCE EVALUATION RECORDS

APPENDIX C: POLLUTION PREVENTION TEAM CONTACT INFORMATION

APPENDIX D: CONTIGUOUS LANDOWNER NOTIFICATION

APPENDIX E: MS SECRETARY OF STATE CERTIFICATE OF GOOD STANDING

ABOUT THIS PLAN

This Storm Water Pollution Prevention Plan (SWPPP) was prepared for use by Magnolia Materials, LLC – Hot Mix Asphalt Plant to comply with the Hot Mix Asphalt General Permit (MSR70) issued in 2022 and modified in 2023 by the Mississippi Department of Environmental Quality (MDEQ). The permit requires you to prepare a site wide comprehensive SWPPP for the subject facility. This Plan should be adequate for the facility and meet the SWPPP requirements of the State of Mississippi Hot Mix Asphalt General Permit.

The intent of the Plan is to minimize storm water pollution from your facility. The Plan specifies the procedures your staff will follow and the engineering controls your facility will implement to prevent or minimize storm water from coming in contact with potential pollutants, or to contain storm water that does come in contact with potential pollutants. Your permit requires that you implement and comply with this Plan. Items that need your immediate attention include:

1. A Responsible Official must sign Worksheet 5 (NON-STORM WATER DISCHARGE EVALUATION AND CERTIFICATION) after the form has been completed.

2. You will be covered under the State Hot Mix Asphalt General Permit to be issued by MDEQ. Upon issuance, you should include a copy of the permit in Appendix A. This SWPPP has been written in consideration of the requirements of the general permit.

3. Section 6.2 of this Plan describes the Comprehensive Site Compliance Evaluation that must be conducted yearly by the Facility Operator (or someone designated by the Facility Operator). This section also describes the brief report that must be prepared yearly.

4. As required by Condition T-4 (Item 3 on Page 28 of 49) of MSR70, if notified at any time by the MDEQ that the SWPPP does not meet the minimum requirements, amend the SWPPP and certify in writing that the requested changes have been made. Unless otherwise provided, the coverage recipient shall have 30 days to make the requested changes.

5. As required by Condition T-4 (Item 4 on Page 28 of 49) of MSR70, you must amend the SWPPP whenever there is a change in design, construction, operation, or maintenance, which may increase the discharge of pollutants to waters of the State or the SWPPP proves to be ineffective in controlling storm water pollutants. The coverage recipient shall submit it to the MDEQ within 30 days of amendment.

6. Each time the Plan is amended or updated, the date of the latest revision should be included on the cover page. Revisions to the SWPPP should be submitted in accordance with Paragraphs 4 and 5 to the MDEQ at the following address:

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

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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Name: JW McCurdy

Signature:

Title: Owner

Certification Date: 2/16/26

POLLUTION PREVENTION TEAM

Name: *Facility Operator (See Appendix C for current name)*
Phone: *See Appendix C*
Responsibilities: *Facility Operator* is responsible for storm water pollution prevention activities at the facility. His role as leader of the Pollution Prevention Team includes the following responsibilities.

(a) Updating the SWPPP as required

(b) Performing monthly and annual inspections of the facility

(c) Ensuring that storm water pollution prevention is included in employee training classes

(d) Assisting / supervising spill and leak cleanup

(e) Supervising facility and procedural changes identified to minimize pollutant exposure to storm water

(f) Communicating with regulatory agencies as needed

Name: *Plant Manager (See Appendix C for current name)*
Phone: *See Appendix C*
Responsibilities: *Plant Manager* assists in implementing and updating the SWPPP. In the event that the *Facility Operator* is unavailable, he assumes the responsibilities as outlined above.

Name: *Facility Operator (See Appendix C for current name)*
Phone: *See Appendix C*
Responsibilities: *Facility Operator* is considered the Site Manager in the event that **Construction Activities** involving 1 or more acres is performed. See section 5.5.

Name: *Facility Operator (See Appendix C for current name)*
Phone: *See Appendix C*
Responsibilities: *Facility Operator* is considered the Spill Control Coordinator for **Spill Response, Notifications, and Training**. See section 5.3.

Title: *Owner*
Phone: *See Appendix C*
Responsibilities: *Owner* is the responsible duly authorized representative for the facility. He is responsible for supporting the storm water management team by providing adequate resources to complete the activities and programs identified in the SWPPP. He or an officer of the company is required to sign all reports required by the MSG11 permit and other information requested by the permit board.

1.0 SITE DESCRIPTION/MAP

Magnolia Materials, LLC will operate a 300 tons per hour hot mix asphalt plant. The property for the proposed plant is located outside of the city limits of Oxford in Lafayette County. The property consists of approximately 22.92 acres located at latitude: 34° 24' 34" N longitude: 89° 32' 7" W. The facility includes storage and stockpiling of raw aggregates, reclaimed asphalt pavement (RAP), lime, and other additives. Operations involve the loading, unloading, and conveyance of raw materials to feed bins and conveyors, production of asphalt through a counterflow drum plant with baghouse dust collection, storage of liquid asphalt cement (AC) in aboveground tanks with secondary containment, and truck loadout and dispatch of finished asphalt mix. The site also includes areas for equipment fueling, operation, and maintenance. The facility will maintain a on-site sanitary wastewater treatment facility that has been approved by the Mississippi State Department of Health. Property surrounding east side of the site is bordered by an intermittent section of Berry Branch followed by undeveloped industrial property, north of the site is bordered by George G "Pat" Patterson Parkway, south of the site is an undeveloped industrial lot, and west of the site undeveloped rural land followed by subdivisions. The primary Standard Industrial Classification (SIC) Code is 2951. Maps showing the site location on a topographic map and a site layout drawing are included in **Figures 1 and 2.**

The physical address for the Plant is:

87 CR 166
Oxford, MS 38655

All correspondence concerning all facility operations should be sent to Magnolia Materials, LLC office at:

31 Highway 328
Oxford, MS 38655

1.1 Facility Drainage

The topography of the site dictates that the storm water flow pathway is from west to east and from south to north. All stormwater from the plant area of the site will be routed either to a forebay pretreatment area or a nutrient separating baffle box (NSBB) prior to entering a

stormwater retention pond where it will be stored and discharged at a rate that is at or below predevelopment runoff rates. Treated storm water from the retention pond will flow to Stormwater Outfall 001 which drains into Berry Branch that borders the east side of the property and flows to the north.

Drainage from the asphalt plant will be directed to the retention pond via a storm drainage inlet system and site grading. Storm water runoff from the south and east sections of the site outside of the plant area will flow towards Berry Branch via sheet flow. The northeast part of the site property outside of the plant area will flow north, northeast via sheet flow. **Figures 1 and 2** denote the onsite drainage patterns and the location of the outfalls.

1.2 Storage Capacity

Information on the quantity and type of material being released is crucial for quick and effective response action to be provided. Based on the current company plans for site use, this facility has several potential sources of storm water contamination that, if mismanaged, could cause storm water contamination. These items include; diesel fuel, equipment maintenance oils, reclaimed asphalt paving (RAP), asphalt cement (AC), lime, and sediment runoff from aggregate material. Thus, a description of the storage capacity of various potential onsite substances is provided in **Worksheet 1, "Chemical Storage Tanks and Reportable Quantity (RQ)".** The list may be used as a reference to determine reportable quantities in the event of a spill.

1.3 Potential Releases and Prevention Controls

1.3.1 Hazardous Substances

The HMA plant will use and store asphalt cement (AC) on-site. AC will be situated on a concrete pad surrounded by concrete containment walls. See **Worksheet 1** for a list of potential section 313 chemicals or other potentially harmful chemicals. Releases of these listed chemicals must be monitored to prevent migration into storm water and causing environmental damage. **Worksheet 2, "Materials Exposed to Storm Water"** provides a narrative description of materials exposed to storm water. The locations of these potential pollutant sources are shown on **Figure 2, "Site Layout**".

Potential for solid and hazardous waste generation onsite exists; however, with proper management of the facility, the potential is greatly minimized. A solid waste management company periodically removes dumpsters of trash.

If asphalt materials are released directly into the adjacent waterway, environmental damage and possibly a fish kill could result in the receiving stream. Therefore, it is very important that materials management practices are monitored each day.

1.3.2 Petroleum Products

Diesel fuel is to be stored onsite in a 5,000 gallon above ground storage tank for fueling onsite equipment. The 5,000 gallon diesel tank is to be located on a concrete pad with secondary containment (double-walled tank). Maintenance oils, such as hydraulic oil and motor oil, are stored inside of a maintenance shop/Conex storage container and are not to be exposed to storm water.

Extreme care must be taken if the transfer of fuel takes place. The equipment should be parked as close to the tank as possible when unloading fuel to minimize the length of hose exposed. Unloading should follow NFPA, API, or other standard procedures to minimize the possibility of fire or explosion. The removal of any spilled fuel from the site will be carried out under the supervision of the Spill Control Coordinator.

1.3.3 Transformer Oil

In the event of a transformer rupture the local power company will be notified and measures will be taken to prevent migration of any spilled transformer oil.

1.3.4 General Oil & Chemical Handling

Periodic inspections by facility personnel will help ensure that petroleum products are stored properly and that any leaks discovered are cleaned up promptly. Additional measures utilized by facility personnel are: (1) proper storage and disposal of oil or spill residue and (2) proper

labeling of drums containing used oil cleanup materials and ensuring that stored drums are covered or kept inside buildings.

2.0 INVENTORY OF EXPOSED MATERIALS

Worksheet 2 provides a narrative description of materials exposed to storm water directly related to the outfall identified on **Figures 1 and 2**. The locations of these potential pollutant sources, approximate drainage patterns, and the materials exposed to storm water have been identified on the site layout drawing, **Figure 2 "Site Layout".**

3.0 SIGNIFICANT SPILLS AND LEAKS

Spills and leaks in quantities of one gallon or greater of chemical or petroleum substances with reportable quantities that occur at the facility during a calendar month shall be documented monthly using **Worksheet 4** and handled in accordance with Section 5.3 of this plan. Additionally, if no significant spills or leaks have occurred during a calendar month, a monthly notation shall be made indicating that no significant spills or leaks have occurred in **Worksheet 4**.

4.0 NON-STORM WATER DISCHARGES

Provided they do not cause or contribute to a violation of water quality standards, the following are considered allowable non-storm water discharges:

- Discharges from actual fire-fighting activities;
- Fire hydrant flushings;
- Waters used to wash vehicles where detergents are not used (does not include mixer truck wash-off);
- Water used to control dust;
- Potable water sources including line flushings;
- Routine external building wash down that does not use detergents;
- Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used;
- Uncontaminated air conditioning or compressor condensate;
- Uncontaminated ground water or spring water; and

- Foundation or footing drains where flows are not contaminated with process materials such as solvents.

The above non-storm water discharges should be eliminated or reduced to the extent feasible and controlled with an appropriate BMP.

As part of the plan, certification must be included that all storm water outfalls have been tested or evaluated for the presence of non-allowable, non-storm water discharges. This must be evaluated and certified at least every five (5) years. The certification shall include:

- Dates;
- Observation points; and
- Results

To check for non-storm water discharges, one of several dry weather tests may be used, including:

1) Visual inspection
2) Plant schematic review
3) Dye testing

Visual inspections are to be made by facility personnel at three different times in dry weather. This includes walking around the property looking for flow that cannot be attributed to retained storm water, and tracing flow, if any, to its source. **Worksheet 5**, "Non-Storm Water Discharge Evaluation and Certification" is provided for facility personnel to effectively document inspection results.

A review of the plant schematic drawings or sewer map may reveal other sources of storm water pollution where, in the past, cross connections have been made between process or non-process wastewater and storm drains. If so, the cross connections must be disconnected or either an NPDES wastewater permit application must be prepared and submitted to the MDEQ for approval of the discharge.

Another form of testing is to inject dye into the process or sanitary wastewater system and then check the storm water discharge points for discoloration.

5.0 BEST MANAGEMENT PRACTICES

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants to waters of the United States. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

The following subsections describe BMPs that may be included in the facility's SWPPP. Site Specific BMPs are included in this section and in **Worksheet 3**.

5.1 Good Housekeeping Measures and Controls

Good housekeeping practices are designed to maintain a clean and orderly work environment. At this facility, the following types of good housekeeping measures are implemented in an effort to prevent pollutants from entering storm water discharges.

Operation and Maintenance

- Floors and ground surfaces are kept clean by using brooms, rakes, and shovels.
- Waste receptacles are provided at convenient locations. Garbage and waste materials are regularly picked up and properly disposed of. Waste receptacles located outside must be covered.
- All spillage is promptly removed. Where it is impractical to constantly remove spillage, spillage is contained in the immediate area temporarily until further removal can take place.
- Equipment is routinely inspected to make sure it is in working order and no leaks are occurring.
- The importance of spill cleanup procedures is communicated to employees.

Material Storage Practices

- Adequate aisle space is provided to facilitate material transfer and easy access for inspections.

- The diesel tank and any other materials that may be brought onsite will be stored away from direct traffic routes to prevent accidental spills.
- As appropriate, containers are stored on pallets to prevent corrosion.

Material Inventory Procedures

- Records of products onsite are maintained at the onsite office. SDS are maintained onsite in the office.

Employee Participation

- Information on best management practices is discussed during employee training sessions.
- Good housekeeping measures are discussed at employee meetings.

5.2 Preventative Maintenance and Inspection

The facility's preventive maintenance and inspection program includes:

- Timely inspections and maintenance of storm water management devices.
- Proper maintenance of facility equipment and systems.

5.3 Spill Prevention and Response Procedures

A Spill Prevention Control and Countermeasures Plan (SPCC Plan) will be prepared and implemented in accordance with the Environmental Protection Agency (EPA) Code of Federal Regulations, 40 CFR Part 112 to address oil storage at the facility. While this SWPPP will address spill prevention and response issues, the facility-wide SPCC Plan will cover any response and preventive measures to address storage of oil products or spills thereof.

In the event of a spill of petroleum products or chemical substances, employees are instructed to make every effort to contain the release, notify the Facility Operator, and prevent any release from migrating and leaving the site. It will be the Facility Operator's responsibility to determine if the spill needs to be reported to the regulatory authorities.

EMERGENCY TELEPHONE NUMBERS AND ADDRESSES:

Call FIRST: MS Emergency Management Agency
#1 MEMA Drive

Pearl, Mississippi 39208
Telephone: 1-800-222-6362 (601-933-6362)

Then Call: National Response Center U.S. Coast Guard
400 Seventh Street S.W. Washington, D.C. 20590
Telephone: 1 (800) 424-8802

POTENTIAL CLEAN-UP CONTRACTOR

Enhanced Environmental & Emergency Services, Inc.
(844) 333-0939

5.3.1 Likely Releases and In-place Preventative Controls

Spills and releases are most likely to result from potential equipment failure or operator error. This section summarizes potential causes of releases and associated in-place preventative controls.

1. Operator error during loading/unloading or refueling operations. Potential errors include overfilling, not disconnecting lines prior to vehicle departure, drain valves left open, or fill valves left open allowing precipitation to enter causing tank overflow. Specific procedures have been developed to minimize this potential including periodic inspections, locking valves when not in use, and on-the-job training in correct loading and unloading procedures.

2. Piping, pressure fittings, tank ruptures, or other forms of equipment failure. The rate and quantity of a release would depend on the location of the rupture. The release rate could be assumed to be the total volume of the tank associated with the piping or fittings being released in a 15-minute timeframe. The release to the environment would be at that release rate, but the quantity would be the total volume minus the secondary containment volume. To minimize the potential for a significant release, regular inspections and maintenance are performed with noted problems addressed in a timely manner by repair, replacement, or equipment taken out of service.

3. Puncture of tank or associated piping by heavy equipment. Operators of equipment and vehicles are well trained in operating large equipment on the facility. Rate and quantity to

be released would be the same as that discussed in item 2. Additionally, tanks and piping are highly visible by size, signage, flagging, or protective paint color. In the event of night traffic, sufficient lighting is provided to make tanks and piping visible.

4. Small drips, leaks and spills from lines or valves. To minimize release, equipment is inspected regularly, repaired in a timely manner when a problem is discovered, and corrective action implemented with released material promptly cleaned up. In general, this type of release presents a very low risk of potential impact if caught and repaired early.

5.4 Employee Training

New employees receive initial training in storm water pollution prevention before they begin their work assignments. Thereafter, training is provided and storm water pollution prevention discussed as needed at the periodic safety meetings that employees attend as part of their refresher training provided annually. The employee's name, date of training, contents of training, and the employee's signature acknowledging that training was received must be documented on **Worksheet 9** (or comparable form) of this plan and stored in an accessible location.

Topics discussed and names of attendees are stored with personnel files and onsite with the SWPPP documentation.

The training program shall at a minimum address, but not be limited to, the following elements:

- Permit conditions and limitations for each applicable activity (i.e., air emissions, industrial storm water, construction storm water)
- Operation, maintenance and inspection of air emission control equipment and storm water treatment processes
- Procedures for responding to upset conditions of air emission control equipment and storm water treatment processes
- SWPPP goals and plan components related to industrial storm water and/or construction storm water, including:
  - Housekeeping and pollution prevention requirements
  - Spill prevention and response procedures

  - Identification and elimination of non-allowable, non-storm water discharges
  - Installation, maintenance and inspection of erosion and sediment controls for construction activities
  - Installation, maintenance and inspection of Best Management Practices (BMPs) for industrial storm water and/or post-construction storm water;
- Procedures for monitoring compliance with non-numeric and numeric limitations prescribed in the permit;
- Recordkeeping, reporting and record retention requirements (includes understanding the records filing system and being able to produce the required permit documentation during an MDEQ on-site inspection);
- Release reporting and non-compliance notification requirements.

5.5 Sediment and Erosion Control (if construction activity will disturb one (1) or more acres, then see Section 5.5.1)

If ground areas less than one acre are disturbed the following procedures will be implemented:

- Vegetate or re-vegetate disturbed soil as soon as possible after disturbance with common vegetative covers such as grass, trees, shrubs, bark, mulch, or straw.

- Implement structural control practices along the site perimeter that eventually drain to the identified outfalls:

    - Filter (silt) fences
    - Straw bale barriers
    - Brush barriers
    - Sediment traps

5.5.1 Construction Activities requiring a BMP plan

If construction involving the disturbance of one (1) or more acres will occur, a Best Management Practices (BMP) Plan or a modified CSWPPP must be written in accordance with MDEQs Small Construction (1 to 5 acres) or Large Construction (>5 acres) Stormwater Permit. If 5 acres or more of ground disturbance is expected, the CSWPPP, site map, and forms developed, must be

submitted to MDEQ for approval prior to beginning construction, and implemented during construction until the construction area has reached final stabilization.

5.6 Management of Storm Water Runoff

Storm water runoff at this facility is managed by several practices including:

Baseline BMPs

- Channels and ditches (installed to divert offsite storm water from entering site)
- Storm drainage system installed throughout the plant area to collect and direct flow to either a forebay or NSBB prior to reaching retention basin.
- Designated containment area for AC storage tanks, associated piping, and loading connections, including appropriately sized secondary containment for AC storage tanks.
- Routine inspection of all the facility, material storage areas, AC containment area, and maintenance and fueling areas.
- Inspection of runoff from the site.

Worksheet 3 provides a summary of existing and proposed BMPs as well as a schedule for improvements for the facility.

5.7 Site Specific BMPs

The following recommendations are offered for consideration for operational purposes at the Oxford HMA Plant:

1) Inspect runoff from the facility and add hay-wattles or silt fences as needed.
2) Minimize or berm the surface area of aggregate and RAP storage areas.
3) Provide secondary containment for AC as appropriate.
4) Never leave pump unattended when fueling.
5) Maintain spill control materials near storage tanks.
6) Watering of roads and raw material storage areas for dust suppression.
7) Sweeping of paved roads as needed.
8) Minimize engine idling time.
9) Practice good housekeeping and promptly remove waste material from site.

10) Design traffic flow around the plant and operations sitting relative to drainage patterns and wastewater collection locations.

Note: BMPs listed above should be included in **Worksheet 3** "Existing and Proposed BMPs" and updated as necessary to provide effective management of surface sediment from water discharges or air emissions from operations. If BMPs are not effective, additional BMPs should be evaluated, selected and implemented until such time that surface sediments are controlled.

6.0 COMPREHENSIVE SITE COMPLIANCE EVALUATION

See Sections 6.1 and 6.2 for a schedule of inspections and submittal requirements.

6.1 Monthly Site Inspections

The Facility Operator or his/her designee shall perform visual site inspections of all areas of the facility where industrial materials or activities are exposed to storm water on a monthly basis. If feasible, the inspections should be conducted during or after storm events. As part of the inspection, storm water discharging from each storm water outfall should be collected in a clean, clear jar and examined in a well-lit area. Should any of the objectionable characteristics such as color, lack of clarity, floating solids, settled solids, suspended solids, foam, odor and oil sheens be observed, coverage recipient shall investigate upstream from the sample location to identify the potential sources of pollution and implement corrective action. **Worksheet 6** is provided to assist inspectors and should be completed during each monthly inspection and filed onsite for a minimum of three years. The results of all inspections and associated corrective actions must be documented on the Annual Comprehensive Site Inspection and SWPPP Evaluation Report Form as instructed in Section 6.2 below.

Monthly inspection of air sources shall be performed monthly during silo loading activities to check for visible emissions. **Worksheet 8** is provided to assist inspectors and should be completed monthly.

6.2 Annual Comprehensive Site Inspection and SWPPP Evaluation

Qualified personnel will conduct a comprehensive site inspection to:

1. Confirm the accuracy of the description of potential pollutant sources contained in the SWPPP.
2. Determine the effectiveness of the Plan.
3. Assess compliance with the terms and conditions of the storm water component of the multi-media general permit.

The comprehensive site compliance evaluation is conducted once a year by the Facility Operator or his/her designee. During the evaluation, material handling and storage areas and other potential sources of pollution will be visually inspected for evidence of actual or potential pollutant discharges to the drainage system. Erosion controls and structural storm water management devices also will be inspected to ensure that each is operating correctly. **Worksheet 7** is provided to assist in the annual inspection.

The results of each inspection will be documented in a report signed by a company officer or duly authorized representative. The report will describe:

- Scope of the inspection
- Personnel making the inspection
- Date(s) of the inspection
- Major observations relating to the implementation of the SWPPP

Based on the results of each inspection, the description of potential pollutant sources and measures and controls will be revised (if appropriate) within 30 days after the date of the inspection. Changes in the measures or controls will be implemented timely in accordance with Condition T-4, Items 3 and 4 on page 28 of 49 of the Hot Mix Asphalt General Permit MSR70 found in **Appendix A**. In addition, if the inspection report lists changes at the facility that have a significant effect on the potential for the discharge of pollutants to surface waters, the SWPPP will be amended.

7.0 RECORDKEEPING AND REPORTING

A recordkeeping system has been set up at the facility for documenting spills, leaks, and other discharges, including discharges of hazardous substances in reportable quantities. The records contain the following information:

- Date and time of the incident
- Duration of the spill/leak/discharge
- Cause of the spill/leak/discharge
- Response procedures implemented
- Persons notified
- Environmental problems associated with the spill/leak/discharge

A separate recordkeeping system has been established to document inspection and maintenance activities. Records of spills and leaks are recorded using **Worksheet 4** and stored in **Appendix B.** Records of other discharges exposed to storm water, inspections, and maintenance activities are retained in the SWPPP for at least 3 years from the date of the record.

8.0 SPECIAL REQUIREMENTS

8.1 Section 313 Special Requirements

Please refer to **Worksheet 1** for a list of any Section 313 chemicals that are onsite. Any Section 313 chemicals onsite will be stored inside secondary containment structures and inspected as part of the monthly site inspections. Stored Section 313 chemicals will be stored to prevent offsite migration.

8.2 Salt Piles

This facility does not have a salt pile.

8.3 Discharges to Large or Medium Municipal Separate Storm Water Systems

No storm water runoff is discharged to a MS4.

8.4 Coal Piles

This facility does not have a coal pile.

9.0 MONITORING AND SAMPLING REQUIREMENTS

No monitoring or sampling of storm water is required for this facility other than the visual jar test inspection referred to in Section 6.1. Monitoring requirements will be re-evaluated if a release of section 313 chemical occurs, or if the material storage locations or facility drainage patterns are substantially altered.

9.1 TMDLs

Stormwater from the facility discharges to a segment of Berry Branch located approximately one mile upstream of the section of Berry Branch for which a Sediment Total Maximum Daily Load (TMDL) has been completed.

The Best Management Practices (BMPs) for this site have been designed to:

- Control and minimize sediment runoff,
- Prevent the introduction of additional pollutants that could contribute to increased sediment loading, and
- Maintain consistency with the assumptions and requirements of the completed Sediment TMDL for Berry Branch.

The facility is not expected to increase pollutant loadings to any waterbody with an established TMDL.

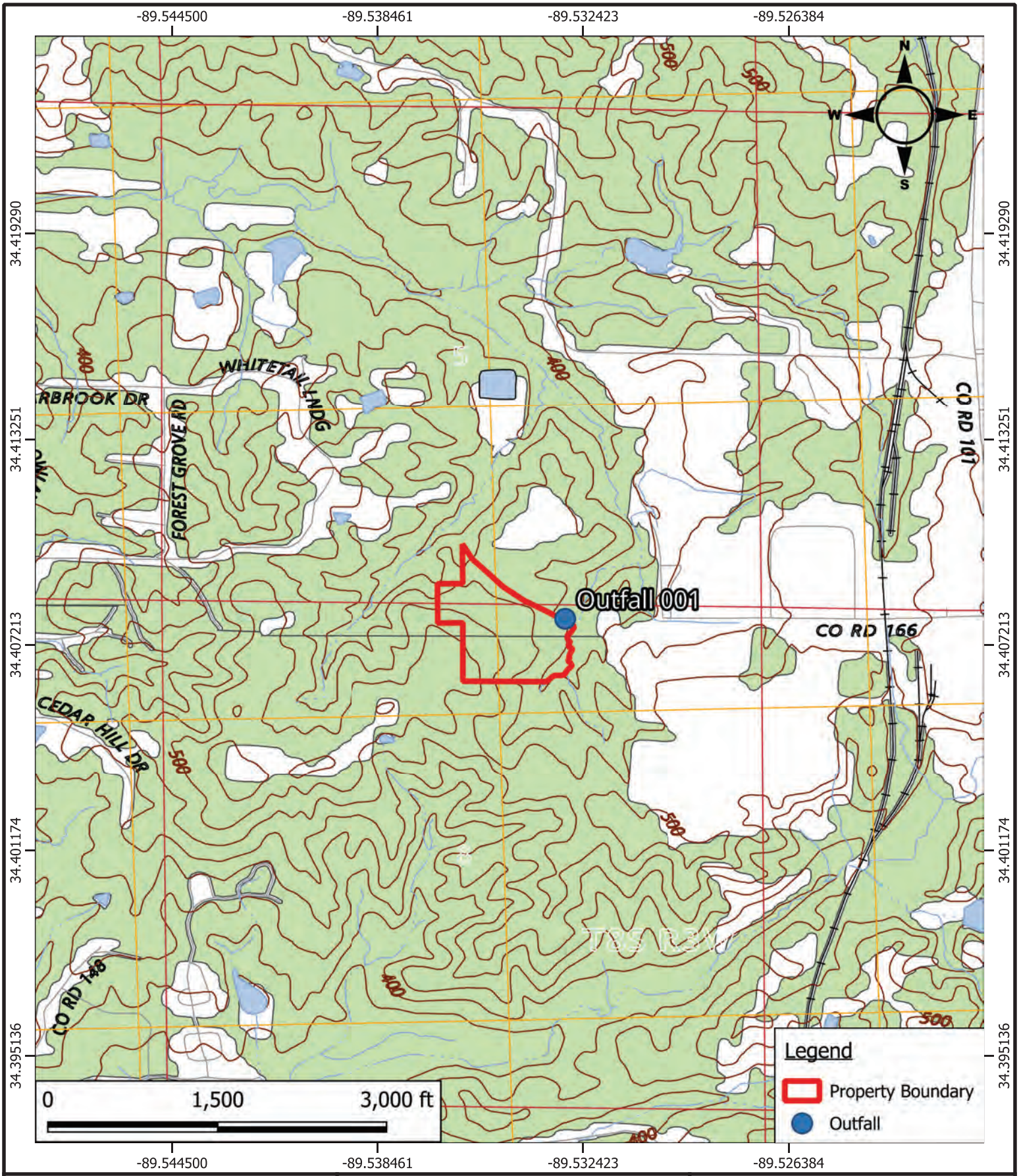
10.0 SECURITY

Security is an important consideration to prevent a spill or release from accidental or unknowing entry or from vandalism. Therefore, to protect the facility, several security measures have been taken. These measures include:

1) Access to the facility will be restricted by a gate. The gate is locked when the site is unattended preventing unauthorized vehicle entry.

2) Appropriate security lighting will be utilized at the site to deter trespassers.

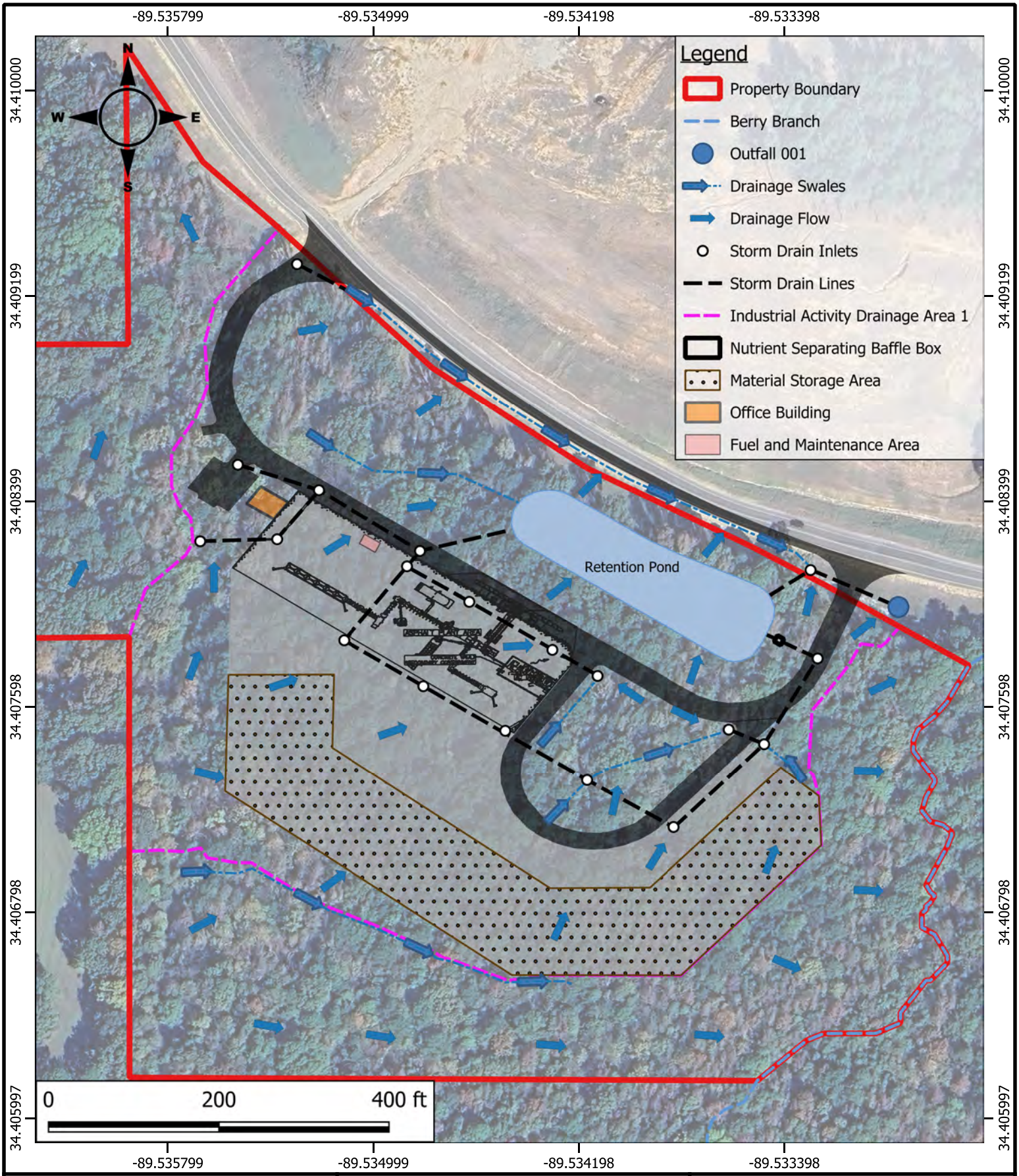
Figures



FC&E Engineering, LLC
917 Marquette Road
Brandon, Mississippi
www.fce-engineering.com

Magnolia Materials, LLC
Hot Mix Asphalt Plant
Oxford, Lafayette County, MS

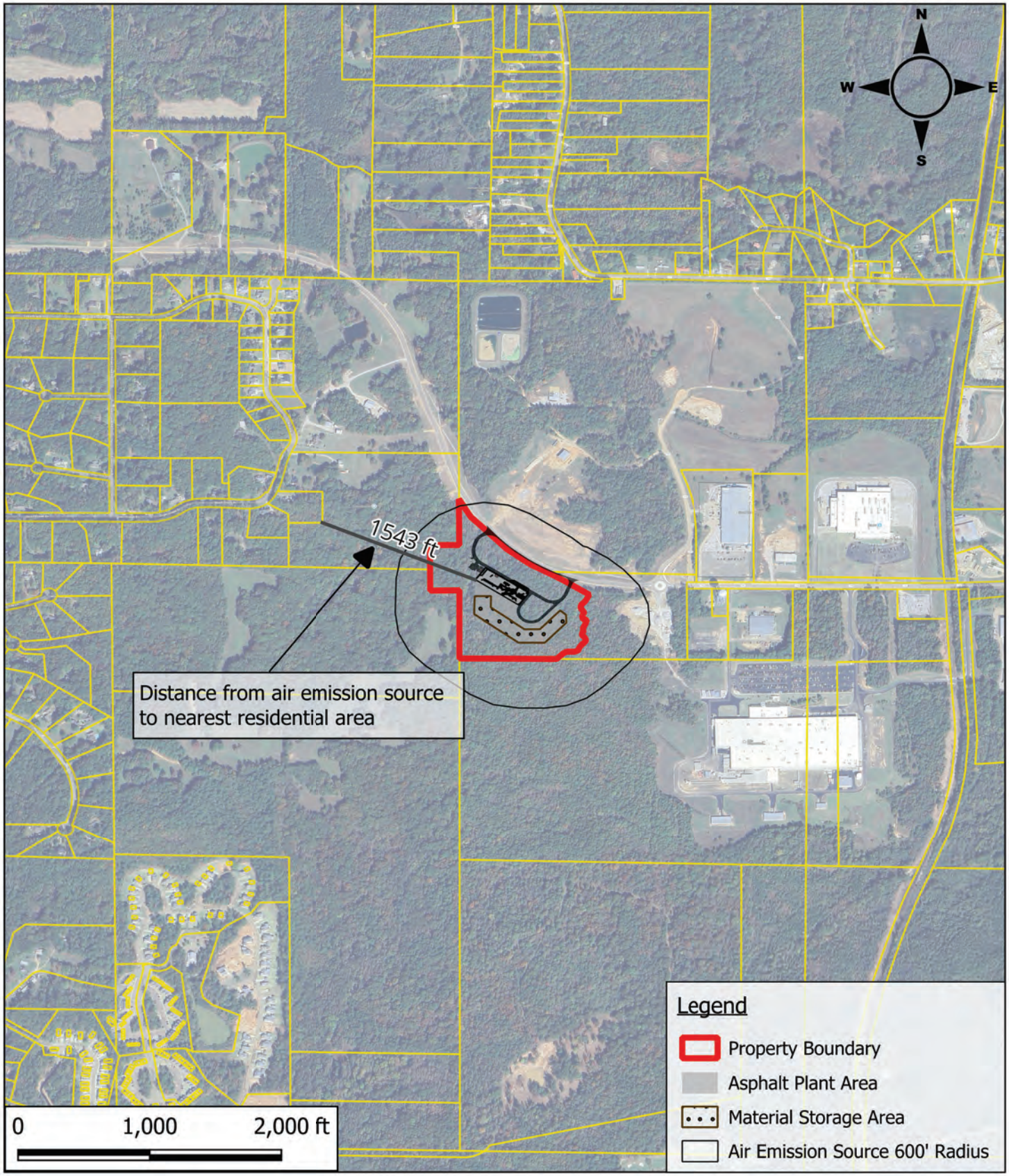
Project: HMA GP SWPPP
Drawing: Figure 1 - Site Location Topo Map
Date Drawn: 2/5/2026
Map Source: USGS Topo 7.5-Minute
Drawn By: MC



FC&E Engineering, LLC
917 Marquette Road
Brandon, Mississippi
www.fce-engineering.com

Magnolia Materials, LLC
Hot Mix Asphalt Plant
Oxford, Lafayette County, MS

Project:	HMA GP SWPPP
Drawing:	Figure 2 - Site Layout Map
Date Drawn:	2/16/2026
Map Source:	Google Earth
Drawn By:	MC

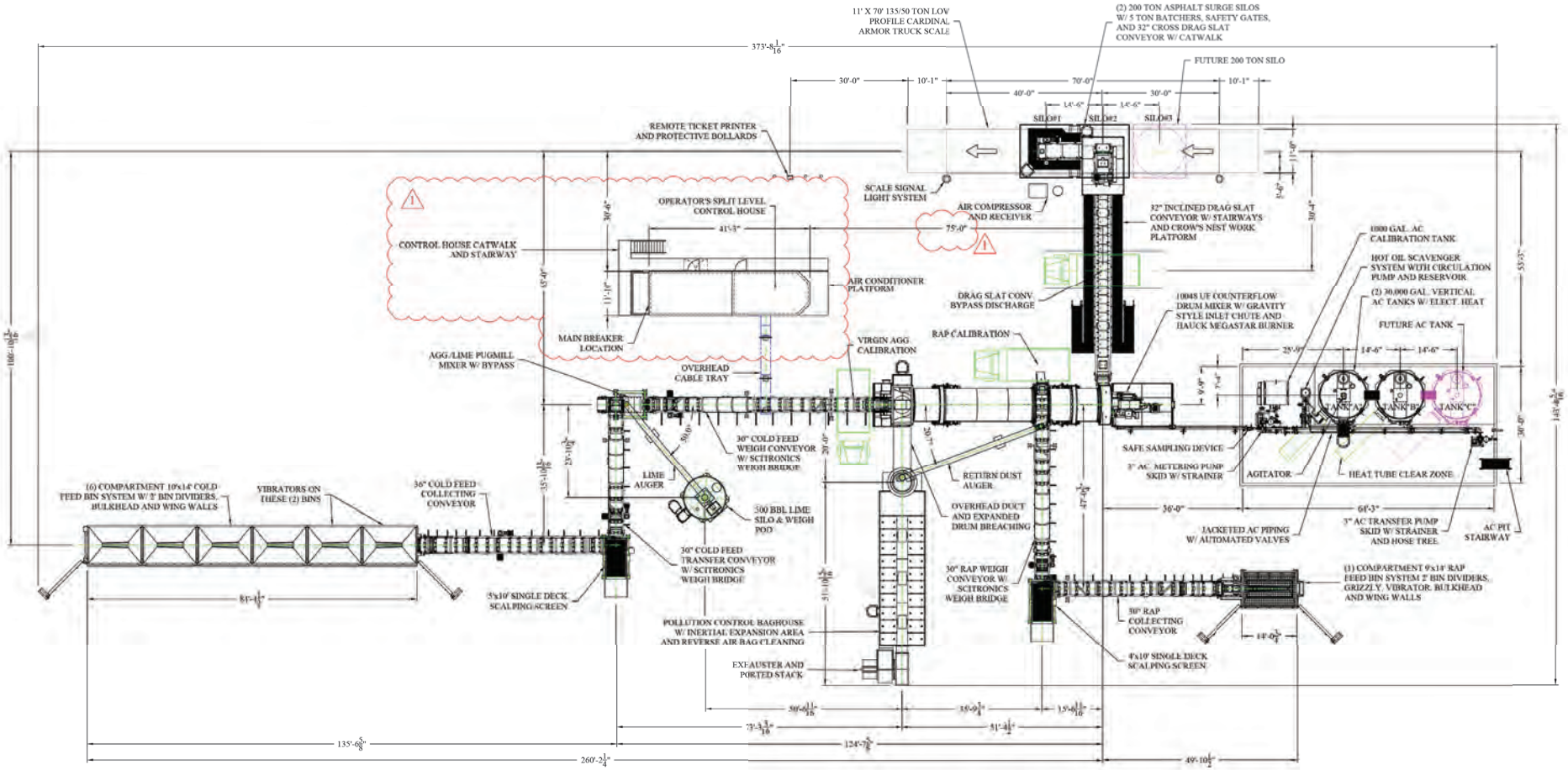


FC&E Engineering, LLC
Water • Soils • Air • Compliance

FC&E Engineering, LLC
917 Marquette Road
Brandon, Mississippi
www.fce-engineering.com

Magnolia Materials, LLC
Hot Mix Asphalt Plant
Oxford, Lafayette County, MS

Project: HMA GP SWPPP
Drawing: Figure 3 - Layout & Nearby Properties
Date Drawn: 2/10/2026
Map Source: Google Earth
Drawn By: MC



EQUIPMENT LAYOUT PLAN
ALMIX 10048 UF PLANT

LAYOUT NOTES:

1. SEE ALMIX ASPHALT PLANT PLANS AND DETAILS FOR ASPHALT PLANT FOUNDATION AND STRUCTURE INFORMATION.

REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE

MAGNOLIA MATERIALS – HMA BATCH PLANT

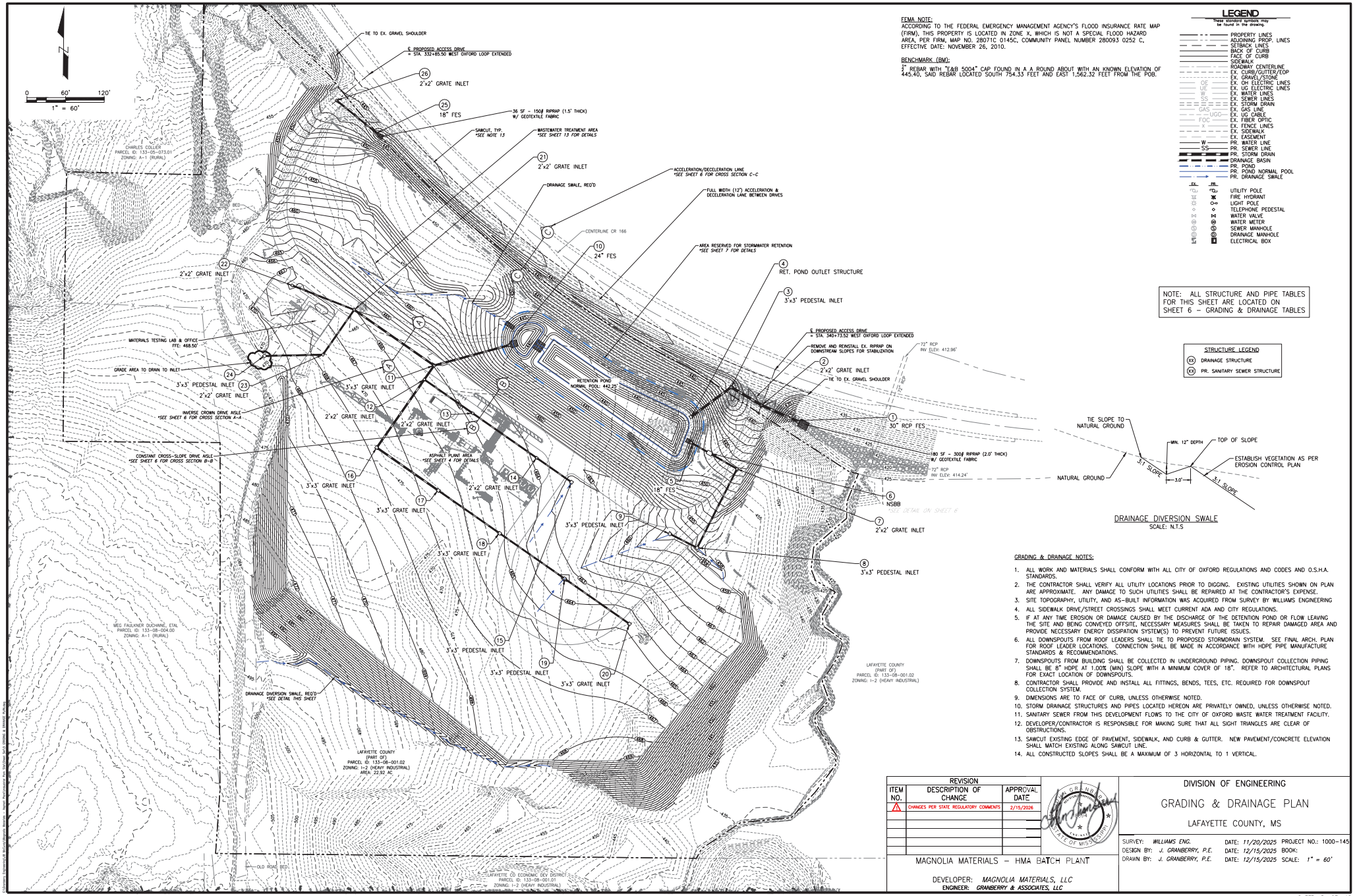
OWNER: *MAGNOLIA MATERIALS, LLC*
ENGINEER: *GRANBERRY & ASSOCIATES, LLC*

DIVISION OF ENGINEERING

SITE PLAN – ASPHALT PLANT LAYOUT

LAFAYETTE COUNTY, MS

SURVEY: *WILLIAMS ENG.* DATE: *11/20/2025* PROJECT NO.: 1000-145
DESIGN BY: *J. GRANBERRY, P.E.* DATE: *12/15/2025* BOOK:
DRAWN BY: *J. GRANBERRY, P.E.* DATE: *12/15/2025* SCALE: *N.T.S.*



FEMA NOTE:
ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAP (FIRM), THIS PROPERTY IS LOCATED IN ZONE X, WHICH IS NOT A SPECIAL FLOOD HAZARD AREA, PER FIRM, MAP NO. 28071C 0145C, COMMUNITY PANEL NUMBER 280093 0252 C. EFFECTIVE DATE: NOVEMBER 26, 2010.

BENCHMARK (BM):
1" REBAR WITH "E&B 5004" CAP FOUND IN A A ROUND ABOUT WITH AN KNOWN ELEVATION OF 445.40, SAID REBAR LOCATED SOUTH 754.33 FEET AND EAST 1,562.32 FEET FROM THE POB.

LEGEND

These standard symbols may be found in the drawing.

- PROPERTY LINES
- ADJOINING PROP. LINES
- SETBACK LINES
- BACK OF CURB
- FACE OF CURB
- SIDEWALK
- ROADWAY CENTERLINE
- EX. CURB/GUTTER/EOP
- EX. GRAVEL/STONE
- OE — EX. OH ELECTRIC LINES
- UE — EX. UG ELECTRIC LINES
- W — EX. WATER LINES
- SS — EX. SEWER LINES
- EX. STORM DRAIN
- GAS — EX. GAS LINE
- UGC — EX. UG CABLE
- FOC — EX. FIBER OPTIC
- X — EX. FENCE LINES
- EX. SIDEWALK
- EX. EASEMENT
- W — PR. WATER LINE
- SS — PR. SEWER LINE
- PR. STORM DRAIN
- DRAINAGE BASIN
- PR. POND
- PR. POND NORMAL POOL
- PR. DRAINAGE SWALE

EX.	PR.	
		UTILITY POLE
		FIRE HYDRANT
		LIGHT POLE
		TELEPHONE PEDESTAL
		WATER VALVE
		WATER METER
		SEWER MANHOLE
		DRAINAGE MANHOLE
		ELECTRICAL BOX

NOTE: ALL STRUCTURE AND PIPE TABLES FOR THIS SHEET ARE LOCATED ON SHEET 6 – GRADING & DRAINAGE TABLES

STRUCTURE LEGEND
- (XX) DRAINAGE STRUCTURE
- (XX) PR. SANITARY SEWER STRUCTURE

DRAINAGE DIVERSION SWALE
SCALE: N.T.S

GRADING & DRAINAGE NOTES:

1. ALL WORK AND MATERIALS SHALL CONFORM WITH ALL CITY OF OXFORD REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO DIGGING. EXISTING UTILITIES SHOWN ON PLAN ARE APPROXIMATE. ANY DAMAGE TO SUCH UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
3. SITE TOPOGRAPHY, UTILITY, AND AS-BUILT INFORMATION WAS ACQUIRED FROM SURVEY BY WILLIAMS ENGINEERING
4. ALL SIDEWALK DRIVE/STREET CROSSINGS SHALL MEET CURRENT ADA AND CITY REGULATIONS.
5. IF AT ANY TIME EROSION OR DAMAGE CAUSED BY THE DISCHARGE OF THE DETENTION POND OR FLOW LEAVING THE SITE AND BEING CONVEYED OFFSITE, NECESSARY MEASURES SHALL BE TAKEN TO REPAIR DAMAGED AREA AND PROVIDE NECESSARY ENERGY DISSIPATION SYSTEM(S) TO PREVENT FUTURE ISSUES.
6. ALL DOWNSPOUTS FROM ROOF LEADERS SHALL TIE TO PROPOSED STORMDRAIN SYSTEM. SEE FINAL ARCH. PLAN FOR ROOF LEADER LOCATIONS. CONNECTION SHALL BE MADE IN ACCORDANCE WITH HDPE PIPE MANUFACTURE STANDARDS & RECOMMENDATIONS.
7. DOWNSPOUTS FROM BUILDING SHALL BE COLLECTED IN UNDERGROUND PIPING. DOWNSPOUT COLLECTION PIPING SHALL BE 8" HDPE AT 1.00% (MIN) SLOPE WITH A MINIMUM COVER OF 18". REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION OF DOWNSPOUTS.
8. CONTRACTOR SHALL PROVIDE AND INSTALL ALL FITTINGS, BENDS, TEES, ETC. REQUIRED FOR DOWNSPOUT COLLECTION SYSTEM.
9. DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
10. STORM DRAINAGE STRUCTURES AND PIPES LOCATED HEREON ARE PRIVATELY OWNED, UNLESS OTHERWISE NOTED.
11. SANITARY SEWER FROM THIS DEVELOPMENT FLOWS TO THE CITY OF OXFORD WASTE WATER TREATMENT FACILITY.
12. DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR MAKING SURE THAT ALL SIGHT TRIANGLES ARE CLEAR OF OBSTRUCTIONS.
13. SAWCUT EXISTING EDGE OF PAVEMENT, SIDEWALK, AND CURB & GUTTER. NEW PAVEMENT/CONCRETE ELEVATION SHALL MATCH EXISTING ALONG SAWCUT LINE.
14. ALL CONSTRUCTED SLOPES SHALL BE A MAXIMUM OF 3 HORIZONTAL TO 1 VERTICAL.

REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE
1	CHANGES PER STATE REGULATORY COMMENTS	2/15/2026

MAGNOLIA MATERIALS – HMA BATCH PLANT

DEVELOPER: *MAGNOLIA MATERIALS, LLC*
ENGINEER: *GRANBERRY & ASSOCIATES, LLC*

DIVISION OF ENGINEERING

GRADING & DRAINAGE PLAN

LAFAYETTE COUNTY, MS

SURVEY: *WILLIAMS ENG.* DATE: *11/20/2025* PROJECT NO.: 1000-145
DESIGN BY: *J. GRANBERRY, P.E.* DATE: *12/15/2025* BOOK:
DRAWN BY: *J. GRANBERRY, P.E.* DATE: *12/15/2025* SCALE: *1" = 60'*

STRUCTURE TABLE				
STRUCTURE ID	STRUCTURE TYPE	RIM/GRATE/THROAT ELEVATION	PIPES IN	PIPES OUT
1[1]	30" RCP FES	427.62'	30" – 424.75' (NW)	
2[1]	2'x2' GRATE INLET	438.92'	30" – 428.74' (NW)	30" – 428.74' (SE)
3[1]	3'x3' PEDESTAL INLET	435.00'	30" – 430.07' (SW)	30" – 430.07' (SE)
4	RET. POND OUTLET STRUCTURE	446.50'		30" – 436.25' (NE)
5	18" FES	444.04'	18" – 442.40' (SE)	
6	NSBB	448.22'	18" – 442.72' (SE)	18" – 442.62' (NW)
7	2'x2' GRATE INLET	446.16'	18" – 443.09' (SW)	18" – 443.09' (NW)
8	3'x3' PEDESTAL INLET	455.50'	18" – 451.82' (NW)	18" – 451.82' (NE)
9	3'x3' PEDESTAL INLET	457.25'		18" – 453.61' (SE)
10	24" FES	446.16'	24" – 444.00' (W)	
11	3'x3' GRATE INLET	464.97'	24" – 460.44' (NW) 24" – 455.02' (SW)	24" – 455.02' (E)
12	2'x2' GRATE INLET	465.48'	24" – 455.28' (SW) 18" – 455.78' (SE)	24" – 455.28' (NE)
13	2'x2' GRATE INLET	464.81'	18" – 457.28' (SE)	18" – 457.28' (NW)
14	2'x2' GRATE INLET	463.90'	18" – 458.19' (SE)	18" – 458.19' (NW)
15	3'x3' PEDESTAL INLET	462.25'		18" – 458.69' (NW)
16	3'x3' GRATE INLET	467.74'	24" – 456.25' (SE)	24" – 456.25' (NE)
17	3'x3' GRATE INLET	466.52'	18" – 457.62' (SE)	24" – 457.12' (NW)
18	3'x3' GRATE INLET	465.13'	18" – 458.78' (SE)	18" – 458.78' (NW)
19	3'x3' PEDESTAL INLET	462.82'	18" – 459.70' (SE)	18" – 459.70' (NW)
20	3'x3' GRATE INLET	464.63'		18" – 460.93' (NW)
21	2'x2' GRATE INLET	466.03'	18" – 462.45' (SW) 18" – 462.45' (W)	24" – 461.95' (SE)
22	2'x2' GRATE INLET	466.85'		18" – 463.29' (E)
23	2'x2' GRATE INLET	467.70'	18" – 463.94' (W)	18" – 463.94' (NE)
24	3'x3' PEDESTAL INLET	469.34'		18" – 466.15' (E)
25	18" FES	441.27'	18" – 441.62' (NW)	
26	2'x2' GRATE INLET	445.35'		18" – 442.02' (SE)

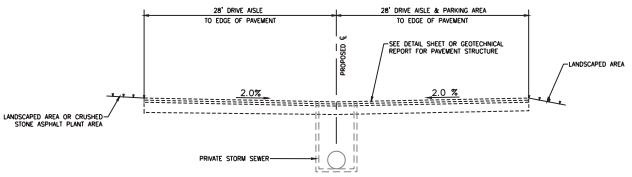
ALL STRUCTURES ARE PRIVATE, UNLESS OTHERWISE NOTED.
[1] STRUCTURE IS PUBLIC.

PIPE TABLE						
FROM	INV. ELEV.	TO	INV. ELEV.	PIPE DIA (IN)	LENGTH (FT)	SLOPE
2	428.74	1	424.75	30"[1][3]	59	6.79%
3	430.07	2	428.74	30"[1][3]	55	2.43%
4	436.25	3	430.07	30"[3]	77	8.00%
6	442.62	5	442.40	18"[3]	30	0.75%
7	443.09	6	442.72	18	49	0.75%
8	451.82	7	443.09	18	137	6.36%
9	453.61	8	451.82	18	48	3.77%
11	455.02	10	444.00	24	118	9.34%
12	455.28	11	455.02	24	26	1.00%
13	457.28	12	455.78	18	92	1.64%
14	458.19	13	457.28	18	121	0.75%
15	458.69	14	458.19	18	66	0.75%
16	456.25	12	455.28	24	129	0.75%
17	457.12	16	456.25	24	116	0.75%
18	458.78	17	457.62	18	116	1.00%
19	459.70	18	458.78	18	123	0.75%
20	460.93	19	459.70	18	123	1.00%
21	461.95	11	460.44	24	151	1.00%
22	463.29	21	462.45	18	103	0.81%
23	463.94	21	462.45	18	85	1.75%
24	466.15	23	463.94	18	91	2.44%
26	442.02	25	441.62	18	80	0.50%

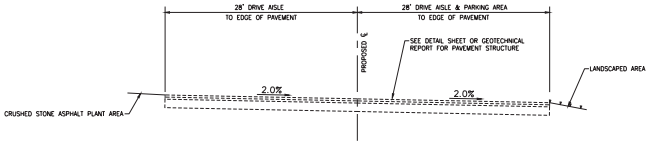
ALL PIPE SHALL BE PRIVATE, UNLESS OTHERWISE NOTED.
ALL PIPE SHALL BE HIGH PERFORMANCE PIPE (HP) UNLESS OTHERWISE NOTED.
[1] PIPE SHALL BE PUBLIC.
[2] PIPE SHALL BE REINFORCED CONCRETE PIPE, CLASS III (RCP).
[3] PIPE SHALL BE HIGH DENSITY POLYETHYLENE PIPE (HDPE).

FEMA NOTE:
ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAP (FIRM), THIS PROPERTY IS LOCATED IN ZONE X, WHICH IS NOT A SPECIAL FLOOD HAZARD AREA, PER FIRM, MAP NO. 28071C 0145C, COMMUNITY PANEL NUMBER 280093 0252 C, EFFECTIVE DATE: NOVEMBER 26, 2010.

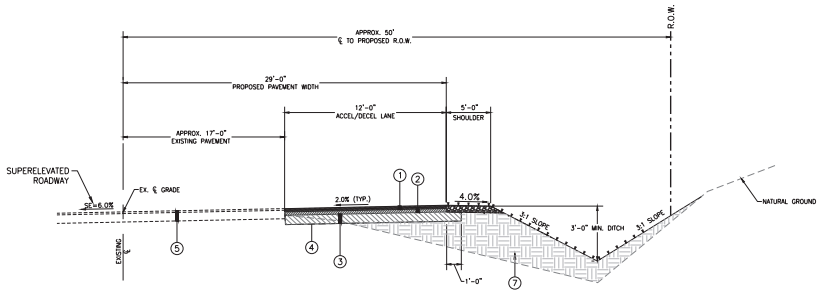
BENCHMARK (BM):
½" REBAR FOUND IN ASPHALT HAVING A KNOWN ELEVATION OF 445.40. REBAR BEING LOCATED NORTH 43 FEET AND EAST 507 FEET FROM THE NORTHEAST CORNER OF THE PROPERTY.



CROSS-SECTION A-A: INVERSE CROWN DRIVE AISLE
N.T.S.

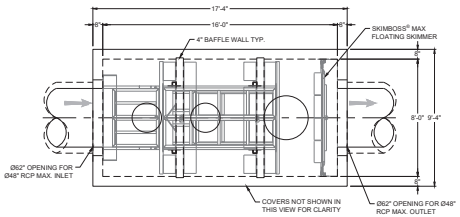


CROSS-SECTION B-B: CONSTANT CROSS-SLOPE DRIVE AISLE
N.T.S.

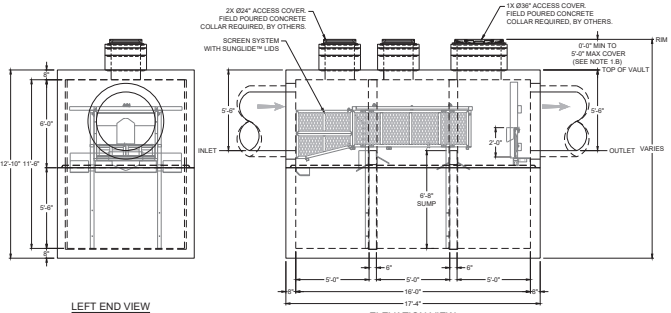


CROSS-SECTION C-C: ACCELERATION/DECELERATION LANE
N.T.S.

*NSBB SHALL MEET BE THE SPECIFICATIONS AND TREATMENT/NUTRIENT REMOVAL OF OLD CASTLE INFRASTRUCTURE STRUCTURE ID NSBB-4-8 OR APPROVED EQUAL.



PLAN VIEW



LEFT END VIEW

ELEVATION VIEW

NUTRIENT SEPARATING BAFFLE BOX (NSBB-4-8)
N.T.S.

① 9.5-mm, MT, ASPHALT PAVEMENT (2 @ 1 ½")

② 19.0-mm, MT, ASPHALT PAVEMENT (1 @ 3")

③ SIZE 610, CRUSHED STONE BASE (8")

④ GEOTEXTILE STABILIZATION FABRIC (TYPE 5) (NON-WOVEN)

⑤ EXISTING STRUCTURE (APPROX. 6" ASPHALT ON 8" BASE)

⑥ GRANULAR MATERIAL (CLASS 5, GROUP C) (±5")

⑦ UNCLASSIFIED EXCAVATION (CUT/FILL)

GRADING & DRAINAGE NOTES:

1. ALL WORK AND MATERIALS SHALL CONFORM WITH ALL CITY OF OXFORD REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO DIGGING. EXISTING UTILITIES SHOWN ON PLAN ARE APPROXIMATE. ANY DAMAGE TO SUCH UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
3. SITE TOPOGRAPHY, UTILITY, AND AS-BUILT INFORMATION WAS ACQUIRED FROM SURVEY BY WILLIAMS ENGINEERING
4. ALL SIDEWALK DRIVE/STREET CROSSINGS SHALL MEET CURRENT ADA AND CITY REGULATIONS.
5. IF AT ANY TIME EROSION OR DAMAGE CAUSED BY THE DISCHARGE OF THE DETENTION POND OR FLOW LEAVING THE SITE AND BEING CONVEYED OFFSITE, NECESSARY MEASURES SHALL BE TAKEN TO REPAIR DAMAGED AREA AND PROVIDE NECESSARY ENERGY DISSIPATION SYSTEM(S) TO PREVENT FUTURE ISSUES.
6. ALL DOWNSPOUTS FROM ROOF LEADERS SHALL TIE TO PROPOSED STORMDRAIN SYSTEM. SEE FINAL ARCH. PLAN FOR ROOF LEADER LOCATIONS. CONNECTION SHALL BE MADE IN ACCORDANCE WITH HDPE PIPE MANUFACTURE STANDARDS & RECOMMENDATIONS.
7. DOWNSPOUTS FROM BUILDING SHALL BE COLLECTED IN UNDERGROUND PIPING. DOWNSPOUT COLLECTION PIPING SHALL BE 8" HDPE AT 1.00% (MIN) SLOPE WITH A MINIMUM COVER OF 18". REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION OF DOWNSPOUTS.
8. CONTRACTOR SHALL PROVIDE AND INSTALL ALL FITTINGS, BENDS, TEES, ETC. REQUIRED FOR DOWNSPOUT COLLECTION SYSTEM.
9. DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
10. STORM DRAINAGE STRUCTURES AND PIPES LOCATED HEREON ARE PRIVATELY OWNED, UNLESS OTHERWISE NOTED.
11. SANITARY SEWER FROM THIS DEVELOPMENT FLOWS TO THE CITY OF OXFORD WASTE WATER TREATMENT FACILITY.
12. DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR MAKING SURE THAT ALL SIGHT TRIANGLES ARE CLEAR OF OBSTRUCTIONS.
13. SAWCUT EXISTING EDGE OF PAVEMENT, SIDEWALK, AND CURB & GUTTER. NEW PAVEMENT/CONCRETE ELEVATION SHALL MATCH EXISTING ALONG SAWCUT LINE.
14. ALL CONSTRUCTED SLOPES SHALL BE A MAXIMUM OF 3 HORIZONTAL TO 1 VERTICAL.

REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE
1	CHANGES PER STATE REGULATORY COMMENTS	2/15/2026

MAGNOLIA MATERIALS – HMA BATCH PLANT

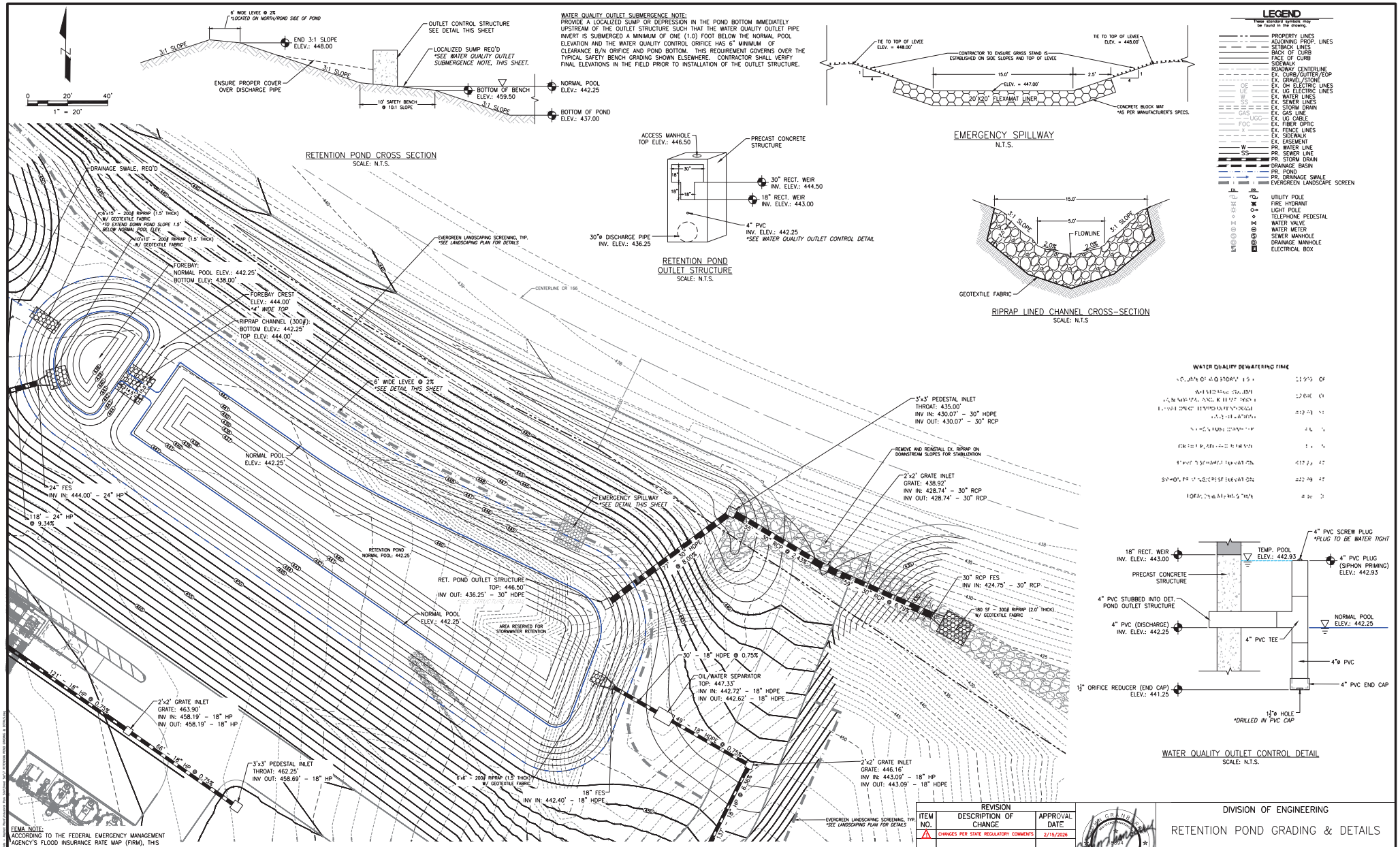
DEVELOPER: *MAGNOLIA MATERIALS, LLC*
ENGINEER: *GRANBERRY & ASSOCIATES, LLC*

DIVISION OF ENGINEERING

GRADING & DRAINAGE TABLES

LAFAYETTE COUNTY, MS

SURVEY: *WILLIAMS ENG.* DATE: *11/20/2025* PROJECT NO.: 1000-145
DESIGN BY: *J. GRANBERRY, P.E.* DATE: *12/15/2025* BOOK:
DRAWN BY: *J. GRANBERRY, P.E.* DATE: *12/15/2025* SCALE: *N.T.S.*



FEMA NOTE:
ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAP (FIRM), THIS PROPERTY IS LOCATED IN ZONE X, WHICH IS NOT A SPECIAL FLOOD HAZARD AREA, PER FIRM, MAP NO. 28071C 0145C, COMMUNITY PANEL NUMBER 280093 0252 C, EFFECTIVE DATE: NOVEMBER 26, 2010.

BENCHMARK (BM):
½" REBAR WITH "E&B 5004" CAP FOUND IN A A ROUND ABOUT WITH AN KNOWN ELEVATION OF 445.40, SAID REBAR LOCATED SOUTH 754.33 FEET AND EAST 1,562.32 FEET FROM THE POB.

DETENTION POND DATA

DESIGN STORM EVENT	1.5" DIAMETER ORIFICE (WATER QUALITY SIPHON) FLOW RATE, Q (CFS)	18" RECTANGULAR WEIR FLOW RATE, Q (CFS)	30" RECTANGULAR WEIR FLOW RATE, Q (CFS)	30" ORIFICE DISCHARGE PIPE FLOW RATE, Q (CFS)	EMERGENCY SPILLWAY FLOW RATE, Q (CFS)	TOTAL DISCHARGE, Q_T (CFS)	STORMWATER ELEVATION (FT)	STORED VOLUME (CF)
2-YR	0.09	0.41	9.06	4.55	0.00	8.55	448.40	41,917
10-YR	0.11	14.62	7.46	21.58	0.00	21.58	446.45	67,775
25-YR	0.12	15.21	14.88	21.21	0.00	21.21	446.31	72,534
100-YR	0.13	19.04	22.65	41.82	0.00	41.82	446.55	106,275

REVISION			
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE	
1	CHANGES PER STATE REGULATORY COMMENTS	2/15/2026	

MAGNOLIA MATERIALS – HMA BATCH PLANT

DEVELOPER: *MAGNOLIA MATERIALS, LLC*
ENGINEER: *GRANBERRY & ASSOCIATES, LLC*

DIVISION OF ENGINEERING

RETENTION POND GRADING & DETAILS

LAFAYETTE COUNTY, MS

SURVEY: *WILLIAMS ENG.* DATE: *11/20/2025* PROJECT NO.: 1000-145
DESIGN BY: *J. GRANBERRY, P.E.* DATE: *12/15/2025* BOOK:
DRAWN BY: *J. GRANBERRY, P.E.* DATE: *12/15/2025* SCALE: *1" = 20'*

Worksheet 1: Chemical Storage Containers and Reportable Quantity

WORKSHEET 1: CHEMICAL STORAGE CONTAINERS AND RQ								*1 of 1*
Tank ID	**Material/Purpose**	**Capacity of Container**	**Secondary Containment Provided?**	**Likelihood of contact with storm water? If yes, describe reason.**	**Past Significant Spill or Leaks?**		**RQ (lbs)**	**Section 313 Chemical**
					Yes	**No**		**Yes/No**
ABOVEGROUND STORAGE TANKS/SILO								**If yes, then identify chemical**
1	Liquid Asphalt (AC) - Heated Tanks/ Asphalt Production	(2) 30,000 gal tanks	Concrete Secondary Containment Structure	Container located outside, spilled/leaked material could possibly contact storm water		x	See Note 1	No
2	Liquid Asphalt (AC) - Calibration Tank/ Asphalt Production	1,000 gal tank	Concrete Secondary Containment Structure	Container located outside, spilled/leaked material could possibly contact storm water		x	See Note 1	No
3	Diesel Fuel / Equipment and Truck Fuel	5,000 gal tank	Double walled Tank	Container located outside, spilled/leaked material could possibly contact storm water		x	See Note 1	No
4	Maintenance Oils / Equipment Maintenance	Varies, ≤ 55 gal	Active secondary containment. Spills to be cleaned promptly with spill kits readily available.	Located inside Conex storage container. Not exposed to storm water		x	See Note 1	No
5	Lime / Asphalt Production	500 bbl storage silo	No local containment. Spills or dust accumulation to be cleaned promptly	Container located outside, spilled/leaked material could possibly contact storm water		x	N/A	No

Note 1: Per the SPCC regulations of 40 CFR 112, any amount of petroleum that causes a sheen or sludge on waters of the US, or on adjoining shorelines, etc. is a reportable quantity (RQ).

Worksheet 2: Summary of Materials Exposed to Storm Water

WORKSHEET 2: MATERIALS EXPOSED TO STORM WATER

Material: Diesel

Purpose: Equipment Fuel
Location: Onsite.
Quantity Produced: NA **Quantity Stored:** 5,000 gallon tank and typical small motive tanks (<55 gallons) or portable tanks
Quantity Exposed to Storm water in Past 3 Years: None
Past Significant Spill or Leak Exposed to Storm water in Past 3 Years? No
If "Yes", Describe:
Method of Storage: Above Ground Storage Tank (Metal)
Method of Disposal: If spilled, materials disposed according to Federal and State Regulations.
Description of Material Management Practice: Inventory is kept to a minimum to minimize storm water exposure. Valves and hoses inspected periodically. Any spills promptly cleaned up.

Material: Recycled Asphalt Pavement (RAP)

Purpose: Asphalt Production
Location: Onsite.
Quantity Produced: NA. **Quantity Stored:** Varies
Quantity Exposed to Storm water in Past 3 Years: None
Past Significant Spill or Leak Exposed to Storm water in Past 3 Years? No
If "Yes", Describe: N/A.
Method of Storage: Stock piles
Method of Disposal: Used in asphalt production.
Description of Material Management Practice: Piles are kept orderly and away from property lines.

Material: Aggregates

Purpose: Asphalt Production
Location: Onsite.
Quantity Produced: NA **Quantity Stored:** Varies
Quantity Exposed to Storm water in Past 3 Years: None
Past Significant Spill or Leak Exposed to Storm water in Past 3 Years? No
If "Yes", Describe:
Method of Storage: Stock piles
Method of Disposal: Used in asphalt production.
Description of Material Management Practice: Piles are kept orderly and away from property lines.

WORKSHEET 2 (cont.): MATERIALS EXPOSED TO STORM WATER

Material: Liquid asphalt (AC)

Purpose: Asphalt Production
Location: Onsite.
Quantity Produced: NA. **Quantity Stored:** (2) 30,000 Gallon Tanks
Quantity Exposed to Storm water in Past 3 Years: None
Past Significant Spill or Leak Exposed to Storm water in Past 3 Years? No
If "Yes", Describe: N/A.
Method of Storage: Above Ground Storage Tanks (Metal)
Method of Disposal: Used in asphalt production.

Description of Material Management Practice: Ensure tank contents do not enter storm water pathways. Valves and hoses inspected periodically. Any spills promptly cleaned up. Secondary Containment.

Material: Lime

Purpose: Asphalt Production
Location: Onsite.
Quantity Produced: NA. **Quantity Stored:** 500 BBL
Quantity Exposed to Storm water in Past 3 Years: None
Past Significant Spill or Leak Exposed to Storm water in Past 3 Years? No
If "Yes", Describe: N/A.
Method of Storage: Storage Silo
Method of Disposal: Used in asphalt production.
Description of Material Management Practice: Ensure silo contents do not enter storm water pathways. Routine inspections of baghouse operation. Any spills promptly cleaned up.

Worksheet 3: Existing and Proposed BMPs

WORKSHEET 3: EXISTING AND PROPOSED BMPs

Instructions: List all identified actual and potential petroleum/storm water pollution sources and describes existing management practices and proposed BMPs with implementation schedule.

Potential Pollution Sources	Existing BMPs	Proposed BMPs	Implementation Schedule
1) Diesel / Maintenance Oils	Not applicable	- Routine inspections and prompt cleanup of spills. - Train appropriate employees on proper loading and unloading procedures -Maintain spill control materials near storage tanks -Double-walled diesel tank. -Maintenance oils stored in covered area not exposed to storm water	Upon completion of construction
2) AC Tanks	Not applicable	- Routine inspections, prompt cleanup of spills. - Train appropriate employees on proper loading and unloading procedures. -Concrete Secondary Containment for AC storage area	Upon completion of construction
3) Aggregate/RAP Storage Piles	Not applicable	-Minimize surface area of aggregate piles -Maintain an adequate buffer from property lines to prevent offsite runoff	Upon completion of construction
4) Lime Silo	Not applicable	- Routine inspections, prompt cleanup of spills. - Baghouse dust control - Train appropriate employees on proper loading and unloading procedures.	Upon completion of construction
5) Site Yard	Not applicable	-Sprinkle roads for dust suppression -Grade yard appropriately -Practice good housekeeping -Design traffic flow around operations relative to drainage and water collection locations -NSBB -Retention Pond and Forebay	Upon completion of construction

Worksheet 4: List of Significant Spills and Leaks

MONTHLY SPILL & LEAK LOG

HOT MIX ASPHALT GENERAL PERMIT (HMAGP)

Facility Name: Magnolia Materials, LLC - HMA Plant **Month:** _____

Coverage Number: MSR70__ __ __ __ **Year:** _____

Instructions: A list of spills and leaks of toxic or hazardous pollutants that have occurred at the facility shall be documented on the Monthly Spill and Leak Log Sheet provided by MDEQ at www.mdeq.ms.gov/hmagp. A separate form shall be completed for each month that the facility is covered under this general permit. If no spills have occurred, the form shall be completed by checking the first box and signing at the bottom, as indicated. Coverage recipients may use an alternate form to record this information, as long as it includes all of the information in this form and is updated monthly. The completed monthly forms shall be filed on-site with the SWPPP and made available to MDEQ personnel for inspection upon request. [2022 HMAGP ACT4 T-2(4)]

☐ **No spills have occurred this month.**

Date of Spill	Material Spilled	Quantity Spilled (specify units)	Area of Spill	Did spill result in a discharge? (Yes/No)	Injury / Property Damage? (Yes/No)	Person(s) involved in cleanup	Date reported to MDEQ (if significant)
Corrective Actions(s) Taken:							
Date of Spill	Material Spilled	Quantity Spilled (specify units)	Area of Spill	Did spill result in a discharge? (Yes/No)	Injury / Property Damage? (Yes/No)	Person(s) involved in cleanup	Date reported to MDEQ (if significant)
Corrective Actions(s) Taken:							
Date of Spill	Material Spilled	Quantity Spilled (specify units)	Area of Spill	Did spill result in a discharge? (Yes/No)	Injury / Property Damage? (Yes/No)	Person(s) involved in cleanup	Date reported to MDEQ (if significant)
Corrective Actions(s) Taken:							

"I certify under penalty of law that this report is true, accurate, and complete, to the best of my knowledge and belief."

Inspector Name: _____ Inspector Signature: _____ Date: _____

If requested, submit signed form to 401/Storm Water Branch Manager, ECED, MDEQ, PO Box 2261, Jackson, MS 39225

Last Revised: 9/12/2022

Worksheet 5: Non Storm Water Discharge Assessment and Certifications

Worksheet 5: NON-STORM WATER DISCHARGE EVALUATION AND CERTIFICATION

Date of Test or Evaluation	Outfall No. Observed (as indicated on the site map)	Method Used to Test or Evaluate Discharge	Describe Results from Test for the Presence of Non-Storm water Discharge	Identify Potential Significant Sources	Name of Person Who Conducted the Test or Evaluation

Certification:

I, JW McCurdy, 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.

A. Name & Official Title	B. Area Code and Telephone No.
JW McCurdy, Owner	(662) 816-2700
C. Signature	D. Date Signed

Worksheet 6: Monthly Inspection Checklist

MONTHLY STORM WATER INSPECTION FORM
HOT MIX ASPHALT GENERAL PERMIT (HMAGP)

Facility Name: Magnolia Materials, LLC - HMA Plant **Coverage Number: MSR70 __ __ __ __** **Date: _____**

Instructions: Conduct a monthly inspection of all industrial activities exposed to storm water and the storm water outfalls. Inspect each area/equipment noted below for indications of potential storm water contamination or failure of best management practices required by the SWPPP, recording any issues and corrective action taken. Such inspection should be conducted during or immediately following a rain event producing runoff, if possible. Also, for any monthly inspection performed during or after a rain event, collect storm water runoff from each outfall in a clean, clear jar and examine it in a well-lit area. Should any objectionable characteristics described below be observed, the coverage recipient shall investigate upstream from the sample location to identify the potential sources of pollution and implement corrective action(s). [2022 HMAGP ACT4, T-6]

Was the inspection conducted during or following a rain event resulting in runoff?	Yes	No	**If yes, were samples collected for visual examination?**	Yes	No	N/A

Areas/Equipment Inspected	**Issues Noted?**			**Describe any issues noted and corrective action taken.**
	Yes	**No**	**N/A**	
Equipment Fueling/Maintenance Areas				
Tanks, Silos, Hoppers and Dust Collection				
Truck Loading Area				
Outdoor Storage Piles				
Spill Kits Available and Stocked				
General Site-Wide Housekeeping				
Other:				

JAR TEST (continue on next page for more than one outfall)

Outfall Number / Location of Sample:	Outfall 001	**Time:**	

Parameter	**Parameter Description**	**Yes**	**No**	**If yes, provide a description and any corrective action taken.**
Color	Is the water sample colored?			
Clarity	Is the water sample NOT clear and transparent?			
Floating Solids	Are there solids floating at the top of the sample?			
Settled Solids	Are there solids settled out in the bottom of the sample?			
Suspended Solids	Are there solids suspended in the water column of the sample?			
Foam	Is there foam forming at the top of the sample?			
Odor	Does the sample have an odor?			
Oil Sheen	Does the sample have an oil sheen?			

"I certify under penalty of law that this report is true, accurate, and complete to the best of my knowledge and belief."

Inspector Name (printed)	**Inspector's Signature**	**Date**

If requested, submit form to 401/Storm Water Branch Manager, ECED, MDEQ, PO Box 2261, Jackson, MS 39225

Last Revised: 9/12/2022

Worksheet 7: Annual Evaluation/Certification Form

Annual SWPPP Evaluation Form for Calendar Year _____

HOT MIX ASPHALT GENERAL PERMIT (HMAGP)

COVERAGE NUMBER MSR70__ __ __ __

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Instructions: The SWPPP must be evaluated annually, by December 31st, to ensure the effectiveness of the best management practices (BMPs) specified in the SWPPP. The annual evaluation shall be filed on-site with the SWPPP and made available to MDEQ personnel for inspection upon request. [2022 HMAGP ACT4, T-7]

Company/Facility Name: Magnolia Materials, LLC - HMA Plant Person evaluating SWPPP:

YES	NO	SWPPP Components and Description of Potential Pollutant Sources [ACT 4, Condition T-2]
		Identifies industrial activities exposed to storm water. [T-2(1)]
		Describes materials and pollutants associated with the activities above. [T-2(2) & (3)]
		Identifies spill and leaks of toxic or hazardous pollutants. [T-2(4)]
		Identifies pollutants of concern and summarizes storm water sampling data. [T-2(5)]
		Includes a detailed scaled site map and a topographical map. [T-2(6) & (7)]
		Identifies pollutants likely present and a reasonable potential for containment. [T-2(8)]
		SWPPP Components and Description of Storm Water Management Controls [ACT 4, Condition T-3]
		Identifies position(s) responsible for developing, implementing, maintain, and revising SWPPP. [T-3(1)]
		Lists materials handled, assesses and identifies risk of potential pollution, and specifies necessary controls. [T-3(2)]
		Identifies areas with a high potential for soil erosion and prevention measures. [T-3(3)]
		Identifies a preventive maintenance program. [T-3(4)]
		Identifies good housekeeping practices. [T-3(5)]
		Identifies potential spill areas, their drainage points, and procedures for cleaning spills. [T-3(6)]
		Identifies personnel training responsible for implementing and/or complying with the SWPPP. [T-3(7)]
		Certifies storm water testing every 5 years, when feasible, for non-allowed, non-storm water discharges. [T-3(8)]
		Identifies areas to be inspected monthly for objectionable characteristics. [T-3(9)]
		Identifies allowable non-storm water discharges and appropriate BMPs for the non-storm water. [T-3(10)]
		Provides management of storm water volume through its diversion, infiltration, storage, or re-use. [T-3(11)]
		SWPPP Certification and Signature
	☐	*The SWPPP is on-site, current, adequately addresses the sources of pollution at the facility, is fully compliant with the terms and conditions of the HMAGP and effectively controls storm water pollutants. If no, the SWPPP shall be amended and submitted to MDEQ within 30 days of amendment. [Condition T-4(4), ACT4]*

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

Authorized Signature of Responsible Official* Date

Printed Name Title

** A responsible official must meet the requirements of 2022 HMAGP, ACT 5, Condition T-5*

If requested, submit form to: 401/Storm Water Branch Manager, ECED, MDEQ, PO Box 2261, Jackson, MS 39225

Last Revised: 9/12/2022

Worksheet 8: Monthly Air Monitoring Form

MONTHLY AIR MONITORING FORM

HOT MIX ASPHALT GENERAL PERMIT (HMAGP)

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

COVERAGE NUMBER:	MSR70__ __ __ __	CALENDAR YEAR:	

HOT MIX ASPHALT SILO FILTERS

his form, or equivalent, should be used to demonstrate compliance with ACT 3, Conditions L-5(5)(c) and S-1(6) and shall be submitted annually by January 31st.

Company Name: Magnolia Materials, LLC Facility Name: Magnolia Materials, LLC - HMA Plant

Facility Street Address: 87 CR 166 City: Oxford County: Lafayette

Contact Person: ______ Phone No.: ______ Email: ______

SILO ID (e.g., Lime Silo #1): Lime Silo

INSPECTOR (full name)	DATE (mm/dd/yy)	TIME (hh:mm AM/PM)	OBSERVATION DURING TRUCK UNLOADING?		VISIBLE EMISSIONS OBSERVED?		CORRECTIVE ACTION TAKEN?		Describe corrective action taken to restore to no visible emissions.
			YES	NO	YES	NO	YES	NO	
			☐	☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	☐	
			☐	☐	☐	☐	☐	☐	

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

MONTHLY AIR MONITORING FORM
HOT MIX ASPHALT GENERAL PERMIT (HMAGP)

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

COVERAGE NUMBER:	MSR70__ __ __ __	CALENDAR YEAR:	

HOT MIX ASPHALT DRYER BAGHOUSE

This form, or equivalent, should be used to demonstrate compliance with ACT 3, Conditions L-5(5)(b) and (d) and S-1(6) and shall be submitted annually by January 31st.

Company Name: Magnolia Materials, LLC Facility Name: Magnolia Materials, LLC - HMA Plant

Facility Street Address: 87 CR 166 City: Oxford County: Lafayette

Contact Person: _____ Phone No.: _____ Email: _____

INSPECTOR (full name)	DATE (mm/dd/yy)	TIME (hh:mm AM/PM)	VISIBLE EMISSIONS OBSERVED?		METHOD 9 OPACITY CONDUCTED?		CORRECTIVE ACTION TAKEN?		Include results of Method 9 Opacity Test and attach to report or describe corrective action taken to restore to no visible emissions.	Pressure Drop across baghouse (include units of measurement)
			YES	NO	YES	NO	YES	NO		

Worksheet 9: Annual Air Operating Form

ANNUAL AIR OPERATING FORM
HOT MIX ASPHALT GENERAL PERMIT (HMAGP)

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

RECORDS FOR CALENDARY YEAR _____ **COVERAGE NUMBER MSR70__ __ __ __**

Instructions: This form, or equivalent, shall be used to demonstrate compliance with ACT 3, Conditions L-3. Asphalt production must be recorded on a monthly basis. If you operate a rock/RAP crusher on site that provides crushed material to an off-site plant, you must record the monthly amount of material crushed. Otherwise, mark "NO" and leave the columns blank. If you burn liquid fuel in any given month, check the appropriate month and include the total fuel burned for the month. To demonstrate compliance with the HMAGP, the monthly totals must be summed for each month (even if "0"). The 12-month total must be calculated using the current month and available data from the previous 11 months. For new sources, a 12-month total should be calculated 12 months after startup. This form shall be submitted with the annual report required in ACT 3, Condition S-1(6), and a copy shall be maintained at least five years after completion or for the duration of facility operations, whichever is shorter.

Company Name: 87 CR 166 Facility Name: Lafayette

Facility Street Address: _____ City: _____ County: Lafayette

Contact Person: _____ Phone No.: _____ Email: _____

	◯ Drum Mix ◯ Batch Mix		Does Rock Crusher Supply Off-Site Source(s)? ◯ YES ◯ NO		Check and complete if Liquid Fuels are burned in the dryer for any given month		
	Monthly Production (Tons)	12-Month Rolling Total (Tons/Year)	Monthly Production (Tons)	12-Month Rolling Total (Tons/Year)		Liquid fuel usage (Gallons)	12-Month Rolling Total (Gallons/Year)
January					☐		
February					☐		
March					☐		
April					☐		
May					☐		
June					☐		
July					☐		
August					☐		
September					☐		
October					☐		
November					☐		
December					☐		

Based on my inquiry of the person or persons responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete.

_____ _____

Authorized Signature of Responsible Official Date

_____ _____

Printed Name Title

**A responsible official must be a corporate officer or facility manager delegated authorization to sign documents.*

Worksheet 10: Employee Training Log