

**CONSTRUCTION
STORM WATER POLLUTION
PREVENTION PLAN**

FOR

SCOTT BULLOCK

Bullock Mine
Covington County, Mississippi

August 2024

PREPARED BY:



LANDMARK SURVEYING, LLC

109 Main Avenue North
P.O. Box 580
Magee, Mississippi 39111
Office: (601) 849-1796
Fax: (601) 849-1797

TABLE OF CONTENTS

SECTION	PAGE NO.
Cover	1
Table of Contents	2
I. Introduction	3
II. Site Assessment	3
A. Description of Work	3
B. Potential Pollution Sources	3
C. Non-Storm Water Discharges	3
D. Non-Storm Water Solid Materials	3
E. Drainage Patterns	3
F. Receiving Waters	3
Best Management Practices	4
A. General	4
B. Design	4
C. Practices Subsequent to Purchase of Lots	4-5
D. Spill Prevention and Response Procedures	5
E. Operation and Maintenance	5
F. Housekeeping Practices	5-6
G. Implementation Sequence	6-7
H. Record Keeping	7
I. Employee Training	7
IV. Implementation Schedule	7
A. Structural Measures	7
B. Vegetative Measures	7
V. Inspections and Reporting	8
A. Inspections	8
B. Reporting	8
VI. Revisions	8
Appendix A – Construction Notice of Intent (CNOI) and Prime Contractor Cert.	
Appendix B - Vegetative Seeding Schedule	
Appendix C – Site Inspection Report	
Appendix D – USGS Quad Map	
DRAWINGS	
1. Stormwater Pollution Prevention Master Plan	
2. Erosion Control Details (if not included on master plan)	

I. INTRODUCTION

The purpose of the Storm Water Pollution Prevention Plan (SWPPP) is to provide a site-specific description of the best management practices to prevent contamination of the storm water with potential pollutants from construction activities related to the proposed project. The storm-water pollution prevention plan has been prepared as required by the Mississippi Department of Environmental Quality in compliance with the application regulations for coverage under the construction storm water general NPDES permit.

This storm water pollution prevention plan is to be incorporated into the routine construction activities at the development. The potential sources of pollution have been identified at the site and are described in this plan. Several pollution control measures are specified in the plan to prevent contamination of storm water runoff from those sources. The plan also outlines implementation, inspection, and maintenance requirements. The erosion and sediment control practices should be monitored and the plan revised if the quality of storm water runoff is not satisfactory.

II. SITE ASSESSMENT

- A. Description of Work: The Owner intends to develop the project site in accordance with the Storm Water Pollution Prevention Plan drawings. The various activities related to the earthwork consist of stripping of topsoil, stockpiling of topsoil on-site, and the hauling and placement of earthen fill.
- B. Potential Pollution Sources: The most significant potential pollutants are soil particles subject to removal by storm water. Other potential pollutants subject to removal by storm water are spilled fuel and lubricants. Material may also be inadvertently tracked off-site or blown off-site when distributed by hauling equipment.
- C. Non-Storm Water Discharges: Potential non-storm water discharges consist of irrigation water and watering of the haul roads to control dust. Due to the permeability of the soil and the arid conditions when this activity is required, no significant impact is anticipated from these sources.
- D. Non-Storm Water Solid Materials: The on-site generation of solid materials will be minimal, and its proper disposal will be closely monitored. All solid waste will be taken off-site for proper disposal.
- E. Drainage Patterns: The existing site primarily drains to the south and west as shown on the attached drawing.
- F. Receiving Waters: The storm water runoff from this site ultimately drains into the tributary noted on the Construction Notice of Intent (CNOI).

III. BEST MANAGEMENT PRACTICES

- A. General: In order to prevent contamination of storm water by the potential pollutants previously discussed, uncontaminated storm water is diverted away from disturbed areas by the use of diversions and grassed waterways with silt fence and hay bales to retain silt in storm water. These practices shall be installed in accordance with the details provided and located at periodic intervals. Topsoil stockpiled shall be vegetated at the specified rates. All disturbed areas shall be grassed, and existing vegetation on undisturbed areas shall be maintained as long as possible.

Hay bale dikes and silt fences shall be used when necessary to stabilize slopes and protect roadway ditch from erosion during the establishment of permanent vegetation on reclaimed areas.

See Appendix A for seed, fertilizer, and mulching rates.

- B. Design: The diversions or typical roadway ditches shall be constructed at a grade not greater than 5 percent. The diversions shall be constructed with three to one side slopes and have a two-foot minimum height. If conditions warrant in areas where storm water run-off is expected to have high energy levels (i.e., pipe culvert outlets), rip-rap may be required to prevent erosion.

The storm water, which leaves the site, shall meet the non-numeric limitations of being free from the following:

- oil, scum, debris, and other floating materials; eroded soils and other materials that will settle out of the storm water to form objectionable deposits in receiving waters;
- suspended solids, turbidity, and color levels inconsistent with the receiving waters; and
- chemicals in concentrations what would cause violations of the State Water Quality Criteria in the receiving waters.

- C. Practices Subsequent to Purchase of Lots (Subdivisions Only): As part of the purchasing contract, lot purchasers shall agree to and assume the responsibility of maintaining adequate erosion control measures commencing at the time of the purchase. The new lot owner (purchaser) or operator will satisfy the requirements to obtain permit coverage by:
- a. Completing and submitting the MDEQ Registration Form (see Large Construction Forms Package) and developing and implementing a sediment and erosion control plan for the specific lot(s), or
 - b. Completing and submitting for approval from the MDEQ, a LCNOI and required documents, or
 - c. Applying for an individual storm water permit.

The owner or developer (seller) will provide the new owner or operator (purchaser) with a copy of the MDEQ Registration Form and a copy of the Large Construction General Permit.

- D. Spill Prevention and Response Procedures: At the present time there are no fuel storage tanks at this site. However, if in the future tanks are placed on the site, there should be a dike constructed around the fuel storage tanks in order to contain any accidental spillage. The name and number of a competent hazardous waste disposal contractor shall be posted in the office for use in the event of a spill. The site shall be kept free from the accumulation of solid waste and other good housekeeping procedures implemented.
- E. Operation and Maintenance: The best management practices once implemented must be maintained to ensure that satisfactory operation continues. The sediment traps and diversions should routinely have excess sediment removed. This may be required following each major storm event. This material should be stockpiled and protected from possible re-entry into the storm water until it can be used. Diversions require frequent inspection to ensure that traffic has not worn them down or that funneling waters have not washed them out. Vegetative growth on diversions must be checked frequently and action taken if the growth rate is not satisfactory.

The vegetative practices should be fertilized at one half the initial rates at the beginning of the second growing season. Eroded areas should be shaped, smoothed, and replanted at this time. Where practical, grassed areas should be clipped once annually. Hay bales shall be replaced once they have begun to deteriorate and sediment shall be removed once it has begun to accumulate.

- F. Housekeeping Practices: The owner or prime contractor shall describe and list practices appropriate to prevent pollutants from entering storm water from construction sites because of poor housekeeping. The owner or prime contractor shall designate areas for equipment maintenance and repair; concrete chute wash off; provide waste receptacles at convenient locations and provide for the regular collection of waste; provide protected storage areas for chemicals, paints,

solvents, fertilizers, and other potentially toxic materials; and provide adequately maintained sanitary facilities.

G. Implementation Sequence: The owner or prime contractor shall prepare an orderly listing which coordinates the timing of all major land-disturbing activities together with the necessary erosion and sedimentation control measures planned for the project. The Implementation Sequence is described below:

- I. Construction access. Includes construction entrance, construction routes, and equipment parking area. At the time of the first land-disturbing activity, stabilize bare areas immediately with gravel and temporary vegetation as construction takes place.
- II. Sediment traps and barriers. Install sediment fences, straw bale barriers, and outlet protection. Install principal basins after construction site is accessed. Install additional traps and barriers as needed during grading.
- III. Runoff Control. Includes diversions, water, bars, and outlet protection. Install key practices after principal sediment traps and before land grading. Install additional runoff-control measures during grading.

Runoff conveyance system. Stabilize stream banks, storm drains, channels, inlet and outlet protection, slope drains. Where necessary, stabilize stream banks as early as possible. Install principal runoff conveyance with runoff-control measure. Install remainder of system after grading.

- III. Land Clearing and Grading. Includes site preparation, cutting, filling, grading, sediment basins, barriers, diversions, drains, surface roughening. Begin major clearing and grading after principal sediment and key runoff-control measure are installed. Clear borrow and disposal areas only as needed. Install additional control measures as grading progresses. Mark trees and buffer areas for preservation. Don't allow equipment or personnel within drip line of marked trees.
- IV. Surface stabilization. Includes temporary and permanent seeding, mulching, sodding, riprap. Apply temporary or permanent stabilization measure immediately on all disturbed areas where work is delayed or complete.
- V. Building construction. Construct buildings, utilities, and paving. Install necessary erosion and sedimentation control practices as work takes place.
- VI. Landscaping and final stabilization. Install topsoil, trees, shrubs,

permanent seeding, mulching, sodding, riprap. This is the last construction phase. Stabilize all open areas, including borrow and spoil areas. Remove and stabilize all temporary control measures.

- H. Record Keeping: Records shall be retained for three years of all maintenance activities, spills, and inspections, including a description of the quality and quantity of storm water.
- I. Employee Training: Each operator, or group of multiple operators, must assemble a “stormwater team” to carry out compliance activities associated with the requirements in this permit. Prior to the commencement of construction activities, the permittee must ensure that the following personnel on the stormwater team understand the requirements of this permit and their specific responsibilities with respect to those requirements:
 - a. Personnel who are responsible for the design, installation, maintenance, and/or repair of stormwater controls (including pollution prevention controls)
 - b. Personnel responsible for the application and storage of treatment chemicals (if applicable)
 - c. Personnel who are responsible for conducting inspections as required in ACT6, S-5
 - d. Personnel who are responsible for taking corrective actions as required in ACT6, S-2.

The permittee is responsible for ensuring that all activities on the site comply with the requirements of this permit. The permittee is not required to provide or document formal training for subcontractors or other outside service providers, but the permittee must ensure that such personnel understand any requirements of this permit that may be affected by the work they are subcontracted to perform. At a minimum, members of the stormwater team must be trained to understand the following if related to the scope of their job duties (e.g., only personnel responsible for conducting inspections need to understand how to conduct inspections): the permit deadlines associated with installation, maintenance, and removal of stormwater controls and with stabilization.

IV. IMPLEMENTATION SCHEDULE

- A. Structural Measures: The non-existing structural measures shall be installed as the weather permits, and the existing measures shall be re-conditioned as well.
- B. Vegetative Measures: Vegetative plantings will be performed in accordance with the included planting schedule. Structural measures shall be grassed during the first open planting season after completion. Construction should be scheduled in order that un-vegetated exposure is minimized.

V. INSPECTIONS AND REPORTING

A. Inspections: Inspections of the best management practices and other storm water pollution prevention plan requirements shall be performed by the contractor or owner as follows:

1. At least once weekly.
2. Within 24 hours after rainfall events of a half-inch or more.
3. As often as necessary to ensure that appropriate erosion and sediment controls have been properly constructed and maintained.

B. Reporting: The owner and/or contractor must inspect, as described in above section, and maintain controls and keep all reports on file noting damages or deficiencies and corrective measures, using the form provided in the appendix of this plan.

No reports shall be submitted to the Mississippi Department of Environmental Quality unless specifically requested. As previously stated, all records, reports, and information resulting from activities required by this plan and your permit should be retained for at least three years from the date of the CNOI, inspection or report.

A rain gauge should be placed in a central location on the site and used to obtain rainfall amounts. This information will be needed for proper completion of the inspection report.

VI. REVISIONS

The storm water prevention plan will be kept current by the company representative and will be revised as changes in site conditions warrant. The company representative may notify the SWPPP developer for assistance when necessary. Factors that would compel the SWPPP to be modified include:

- Inadequacies revealed by routine inspections;
- Changes in identified sources, non-storm water discharges, or non-storm water solid wastes; or
- MDEQ or local agency notification that the plan does not meet one or more of the minimum requirements.

A plan revision will be completed within 30 days of the date is determined that a revision is warranted. If the modification is in response to a request by the MDEQ, the permittee must submit to the MDEQ certification that the requested changes have been made.

APPENDIX A

CONSTRUCTION NOTICE OF INTENT AND NPDES PERMIT

AI: 82906

MSR109396

Rec'd via email:
09/25/2024



MISSISSIPPI DEPARTMENT OF
ENVIRONMENTAL QUALITY

LARGE CONSTRUCTION NOTICE OF INTENT (LCNOI) FOR COVERAGE UNDER THE LARGE CONSTRUCTION STORM WATER GENERAL NPDES PERMIT

INSTRUCTIONS

The Large Construction Notice of Intent (LCNOI) is for coverage under the Large Construction General Permit for land disturbing activities of five (5) acres or greater; or for land disturbing activities, which are part of a larger common plan of development or sale that are initially less than five (5) acres but will ultimately disturb five (5) or more acres. Applicant must be the owner or operator. For construction activities, the operator is typically the prime contractor. The owner(s) of the property and the prime contractor associated with regulated construction activity on the property have joint and severable responsibility for compliance with the Large Construction Storm Water General Permit MSR10.

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

Completed LCNOIs should be filed at least thirty (30) days prior to the commencement of construction. Discharge of storm water from large construction activities without written notification of coverage is a violation of state law.

Submittals with this LCNOI must include:

- A site-specific Storm Water Pollution Prevention Plan (SWPPP) developed in accordance with ACT5 of the General Permit
- A detailed site-specific scaled drawing showing the property layout and the features outlined in ACT5 of the General Permit
- A United States Geological Survey (USGS) quadrangle map or photocopy, extending at least one-half mile beyond the facility property boundaries with the site location and outfalls outlined or highlighted. The name of the quadrangle map must be shown on all copies. Quadrangle maps can be obtained from the MDEQ, Office of Geology at 601-961-5523.

Additional submittals may include the following, if applicable:

- Appropriate Section 404 documentation from U.S. Army Corps of Engineers
- Appropriate documentation concerning future disposal of sanitary sewage and sewage collection system construction
- Appropriate documentation from the MDEQ Office of Land & Water concerning dam construction and low flow requirements
- Approval from County Utility Authority in Hancock, Harrison, Jackson, Pearl River and Stone Counties
- Antidegradation report for disturbance within Waters of the State

ALL QUESTIONS MUST BE ANSWERED (Answer "NA" if the question is not applicable)

O.C

APPLICANT IS THE: OWNER PRIME CONTRACTOR

OWNER CONTACT INFORMATION

OWNER CONTACT PERSON: _____

OWNER COMPANY LEGAL NAME: _____

OWNER STREET OR P.O. BOX: _____

OWNER CITY: _____ STATE: _____ ZIP: _____

OWNER PHONE #: (____) _____ OWNER EMAIL: _____

PREPARER CONTACT INFORMATION

IF NOI WAS PREPARED BY SOMEONE OTHER THAN THE APPLICANT

CONTACT PERSON: _____

COMPANY LEGAL NAME: _____

STREET OR P.O. BOX: _____

CITY: _____ STATE: _____ ZIP: _____

PHONE # () _____ EMAIL: _____

PRIME CONTRACTOR CONTACT INFORMATION

PRIME CONTRACTOR CONTACT PERSON: _____

PRIME CONTRACTOR COMPANY LEGAL NAME: _____

PRIME CONTRACTOR STREET OR P.O. BOX: _____

PRIME CONTRACTOR CITY: _____ STATE: _____ ZIP: _____

PRIME CONTRACTOR PHONE #: (____) _____ PRIME CONTRACTOR EMAIL: _____

FACILITY SITE INFORMATION

FACILITY SITE NAME: _____

FACILITY SITE ADDRESS (If the physical address is not available, please indicate the nearest named road. For linear projects indicate the beginning of the project and identify all counties the project traverses.)

STREET: _____

CITY: _____ STATE: _____ COUNTY: _____ ZIP: _____

FACILITY SITE TRIBAL LAND ID (N/A If not applicable): _____

LATITUDE: ___ degrees ___ minutes ___ seconds LONGITUDE: ___ degrees ___ minutes ___ seconds

LAT & LONG DATA SOURCE (GPS (Please GPS Project Entrance/Start Point) or Map Interpolation): _____

TOTAL ACREAGE THAT WILL BE DISTURBED ¹: _____

IS THIS PART OF A LARGER COMMON PLAN OF DEVELOPMENT? YES NO

IF YES, NAME OF LARGER COMMON PLAN OF DEVELOPMENT: _____
AND PERMIT COVERAGE NUMBER: MSR10 _____

ESTIMATED CONSTRUCTION PROJECT START DATE: _____
 YYYY-MM-DD

ESTIMATED CONSTRUCTION PROJECT END DATE: _____
 YYYY-MM-DD

DESCRIPTION OF CONSTRUCTION ACTIVITY: _____

PROPOSED DESCRIPTION OF PROPERTY USE AFTER CONSTRUCTION HAS BEEN COMPLETED:

SIC Code: _____ **NAICS Code** _____

NEAREST NAMED RECEIVING STREAM: _____

IS RECEIVING STREAM ON MISSISSIPPI'S 303(d) LIST OF IMPAIRED WATER BODIES? (The 303(d) list of impaired waters and TMDL stream segments may be found on MDEQ's web site: http://www.deq.state.ms.us/MDEQ.nsf/page/TWB_Total_Maximum_Daily_Load_Section) YES NO

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

FOR WHICH POLLUTANT:

ARE THERE RECREATIONAL STREAMS, PRIVATE/PUBLIC PONDS OR LAKES WITHIN ½ MILE DOWNSTREAM OF PROJECT BOUNDARY THAT MAY BE IMPACTED BY THE CONSTRUCTION ACTIVITY? YES NO

EXISTING DATA DESCRIBING THE SOIL (for linear projects please describe in SWPPP):

WILL FLOCCULANTS BE USED TO TREAT TURBIDITY IN STORM WATER? YES NO

IF YES, INDICATE THE TYPE OF FLOCCULANT. ANIONIC POLYACRYLIMIDE (PAM)
 OTHER _____

IF YES, DOES THE SWPPP DESCRIBE THE METHOD OF INTRODUCTION, THE LOCATION OF INTRODUCTION AND THE LOCATION OF WHERE FLOCCULATED MATERIAL WILL SETTLE?

IS A SDS SHEET INCLUDED FOR THE FLOCCULATE? YES NO

WILL THERE BE A 50 FT BUFFER BETWEEN THE PROJECT DISTURBANCE AND THE WATERS OF THE STATE? YES NO

IF NOT, PROVIDE EQUIVALENT CONTROL MEASURES IN THE SWPPP.

¹Acreage for subdivision development includes areas disturbed by construction of roads, utilities and drainage. Additionally, a housesite of at least 10,000 ft² per lot (entire lot, if smaller) shall be included in calculating acreage disturbed.

DOCUMENTATION OF COMPLIANCE WITH OTHER REGULATIONS/REQUIREMENTS
 COVERAGE UNDER THIS PERMIT WILL NOT BE GRANTED UNTIL ALL OTHER REQUIRED
 MDEQ PERMITS AND APPROVALS ARE SATISFACTORILY ADDRESSED

IS LCNOI FOR A FACILITY THAT WILL REQUIRE OTHER PERMITS? YES NO

IF YES, CHECK ALL THAT APPLY: AIR HAZARDOUS WASTE PRETREATMENT
 WATER STATE OPERATING INDIVIDUAL NPDES OTHER: _____

IS THE PROJECT REROUTING, FILLING OR CROSSING A WATER CONVEYANCE OF ANY KIND? (If yes, contact the U.S. Army Corps of Engineers' Regulatory Branch for permitting requirements.) YES NO

IF THE PROJECT REQUIRES A CORPS OF ENGINEER SECTION 404 PERMIT, PROVIDE APPROPRIATE DOCUMENTATION THAT:

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

IS THE PROJECT REROUTING, FILLING OR CROSSING A STATE WATER CONVEYANCE OF ANY KIND? (If yes, please provide an antidegradation report.) YES NO

IS A LAKE REQUIRING THE CONSTRUCTION OF A DAM BEING PROPOSED? (If yes, provide appropriate approval documentation from MDEQ Office of Land and Water, Dam Safety.) YES NO

IF THE PROJECT IS A SUBDIVISION OR A COMMERCIAL DEVELOPMENT, HOW WILL SANITARY SEWAGE BE DISPOSED? Check one of the following and attach the pertinent documents.

- Existing Municipal or Commercial System. Please attach plans and specifications for the collection system and the associated "Information Regarding Proposed Wastewater Projects" form or approval from County Utility Authority in Hancock, Harrison, Jackson, Pearl River and Stone Counties. If the plans and specifications can not be provided at the time of LCNOI submittal, MDEQ will accept written acknowledgement from official(s) responsible for wastewater collection and treatment that the flows generated from the proposed project can and will be transported and treated properly. The letter must include the estimated flow.
- Collection and Treatment System will be Constructed. Please attach a copy of the cover of the NPDES discharge permit from MDEQ or indicate the date the application was submitted to MDEQ (Date: _____.)
- Individual Onsite Wastewater Disposal Systems for Subdivisions Less than 35 Lots. Please attach a copy of the Letter of General Acceptance from the Mississippi State Department of Health or certification from a registered professional engineer that the platted lots should support individual onsite wastewater disposal systems.
- Individual Onsite Wastewater Disposal Systems for Subdivisions Greater than 35 Lots. A determination of the feasibility of installing a central sewage collection and treatment system must be made by MDEQ. A copy of the response from MDEQ concerning the feasibility study must be attached. If a central collection and wastewater system is not feasible, then please attach a copy of the Letter of General Acceptance from the State Department of Health or certification from a registered professional engineer that the platted lots should support individual onsite wastewater disposal systems.

INDICATE ANY LOCAL STORM WATER ORDINANCE (I.E. MS4) WITH WHICH THE PROJECT MUST COMPLY:

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

Scott Bullock
Signature of Applicant¹ (owner or prime contractor)

7/10/24
Date Signed

Scott Bullock
Printed Name¹

Member
Title

¹This application shall be signed as follows:

- For a corporation, by a responsible corporate officer.
- For a partnership, by a general partner.
- For a sole proprietorship, by the proprietor.

For a municipal, state or other public facility, by principal executive officer, mayor, or ranking elected official

Please submit the LCNOI form to: **Chief, Environmental Permits Division
MS Department of Environmental Quality, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225**

Electronically: <https://www.mdeq.ms.gov/construction-stormwater/>

Revised 3/23/22

APPENDIX B

VEGETATIVE SEEDING SCHEDULE

APPENDIX B
VEGETATIVE SEEDING RATES FOR EROSION CONTROL

<u>SPECIES</u>	<u>RATE/ACRE</u>	<u>DATE</u>
Pensacola Bahia	30#	Mar. 1 - June 30
Hulled Common Bermuda	8#	Mar. 1 - May 30
* Browntop Millet	35#	June 1 - Aug 15
Pensacola Bahia	30#	Sept 1 - Nov 15
Unhulled Common Bermuda	10#	Sept 1 - Oct 30
PLUS		
Wheat	90#	Sept 1 - Nov 30
Ryegrass	60#	Sept 1 - Nov 30
* Cereal Rye	90#	Nov 15 - Dec 15

MULCH

Hay or Wheat Straw	2 tons	After Seeding
--------------------	--------	---------------

FERTILIZER

13-13-13	600#	Before Seeding
Lime	2 tons	Before Seeding

A current soil analysis recommendation may be substituted.

SEED BED PREPARATION

Slope all banks to a minimum of 3:1. Flatter if possible

After shaping and smoothing, pulverize soil to depth of 6 inches and harrow. Lime and fertilizer can be incorporated during seed bed preparation.

- - Temporary Cover to be followed with a perennial

APPENDIX C
SITE INSPECTION REPORT

Keep a Copy Available at the Permitted Facility or Locally Available
 Submit the Inspection Reports Only if Requested by the Mississippi Department of Environmental Quality (MDEQ)

LARGE CONSTRUCTION GENERAL PERMIT SITE INSPECTION AND CERTIFICATION FORM COVERAGE NUMBER (MSR10 _____)



INSTRUCTIONS

Results of construction storm water inspections required by ACT6 of this permit shall be recorded on this report form and kept with the Storm Water Pollution Prevention Plan (SWPPP) in accordance with the inspection documentation provisions of ACT10 of the this permit. Inspections shall be performed at least weekly for a minimum of four inspections per month. The coverage number must be listed at the top of all Inspection and Certification Forms.

COVERAGE RECIPIENT INFORMATION

OWNER/PRIME CONTRATOR NAME: _____

PROJECT NAME: _____

PROJECT STREET ADDRESS: _____

PROJECT CITY: _____ PROJECT COUNTY: _____

OWNER/PRIME CONTRACTOR MAILING ADDRESS: _____

MAILING CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ CONTACT PHONE NUMBER: (_____) _____

INSPECTION DOCUMENTATION

DATE (mo/day/yr)	TIME (hr:min AM/PM)	ANY DEFICIENCIES? (CHECK IF YES)	INSPECTOR(S)
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	

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

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

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

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

 Authorized Signature

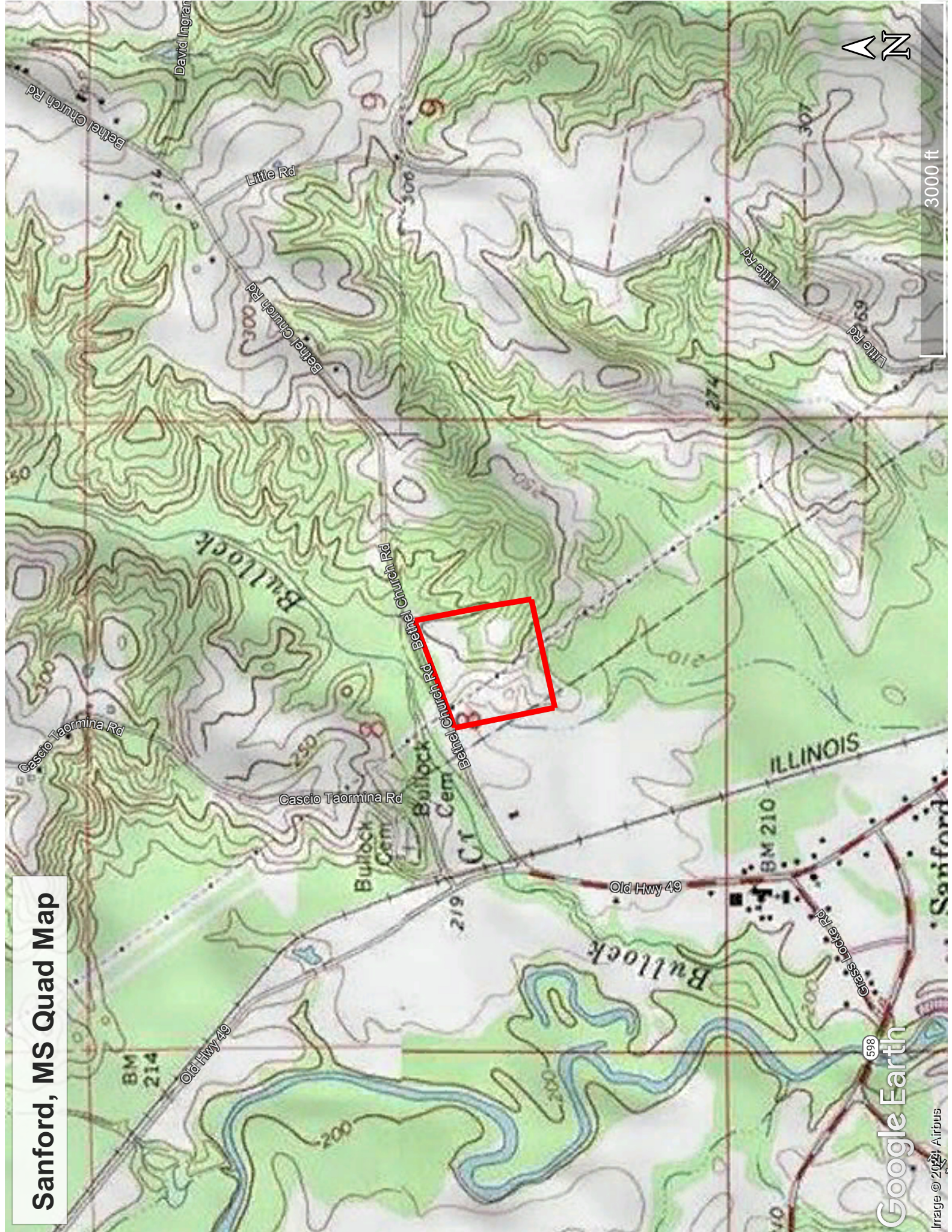
 Date

 Printed Name

 Title

APPENDIX D
USGS QUAD MAP

Sanford, MS Quad Map





SITE INFORMATION

1. SITE LOCATION: LAT: 31°29'56.86"N LONG: 89°25'26.63"W
SECTION 8, TOWNSHIP 6 NORTH, RANGE 14 WEST.
BETHEL CHURCH ROAD, COVINGTON COUNTY, MISSISSIPPI

2. COVERAGE AREA: 20.0 ACRES

3. EXISTING SOIL TYPE: MCLAURIN FINE SANDY LOAM, WADLEY-TOINETTE-SMITHDALE ASSN.

4. RECEIVING WATERS: OKATOMA CREEK

CONTROLS

1. STRUCTURAL CONTROLS: STRUCTURAL CONTROLS WILL INCLUDE AN AGGREGATE CONSTRUCTION ENTRANCE/EXIT DRIVE, HAY BALES OR WATTLES, AND SILT FENCING.

2. VEGETATIVE CONTROLS: TEMPORARY OR PERMANENT VEGETATIVE PRACTICES SHALL BE INITIATED IMMEDIATELY (NO LATER THAN THE NEXT WORK DAY) WHEN LAND DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD OF FOURTEEN (14) CALENDAR DAYS OR MORE.

3. HOUSEKEEPING PRACTICES: AN AREA IN THE VICINITY OF THE CONSTRUCTION ENTRANCE/EXIT DRIVE WILL SERVE AS THE "HOUSEKEEPING AREA" AND WILL INCLUDE A LOCATION FOR SANITARY FACILITIES FOR CONTRACTOR'S PERSONNEL, AS THE LOCATION OF A TRASH RECEPTACLE FOR DISPOSAL OF SOLID WASTE, AND FOR USE FOR OTHER PURPOSES SUCH AS EQUIPMENT MAINTENANCE.

IMPLEMENTATION SEQUENCE

INITIAL

- INSTALL CONSTRUCTION ENTRANCE/EXIT DRIVE AND DITCH CROSS DRAIN WITH 6" MINIMUM COARSE AGGREGATE.
- INSTALL SILT FENCE IN DESIGNATED AREAS.
- INSTALL SEDIMENT BARRIERS IN DESIGNATED AREAS AS SHOWN AND AS FIELD CONDITIONS WARRANT.

INTERMEDIATE

- GRADE ALL DISTURBED AREAS TO HAVE MANAGEABLE SLOPES.
- COVER ALL GRADED AREAS WITH AVAILABLE TOP SOIL.
- PLANT GRASS AND MULCH IN ALL DISTURBED AREAS.
- CLEAN AND MAINTAIN SILT FENCES AND SEDIMENT BARRIERS AS NEEDED THROUGH INTERMEDIATE PHASE ACTIVITIES.

FINAL

- REMOVE SEDIMENT BUILD-UP AT SILT FENCES AND OTHER SEDIMENT BARRIERS AND REDISTRIBUTE AS NEEDED.
- AFTER SITE IS STABILIZED, REMOVE ALL TEMPORARY MEASURES AND VEGETATE ANY RESULTING DISTURBED AREAS.

MAINTENANCE PLAN

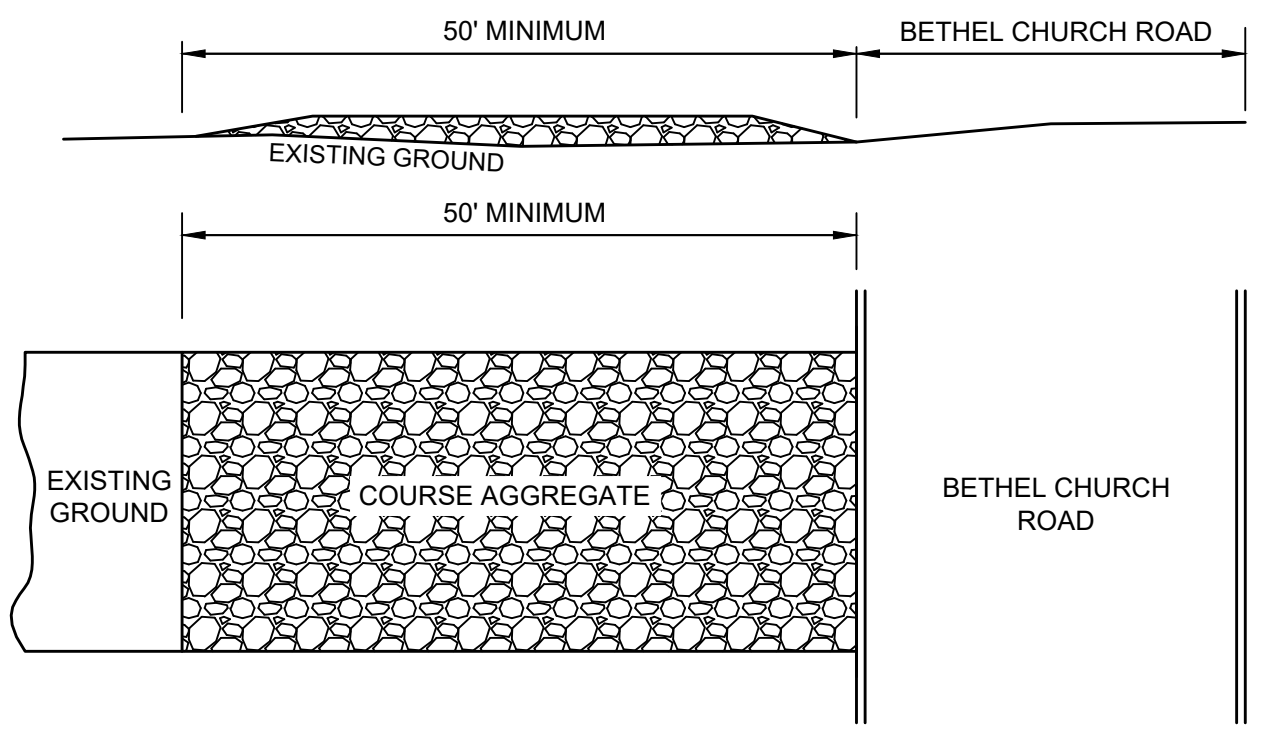
- INSPECTION OF ALL RECEIVING STREAMS (IF FEASIBLE), OUTFALL, EROSION AND SEDIMENT CONTROLS AND ANY OTHER SWPPP REQUIREMENTS SHALL BE PERFORMED AT LEAST WEEKLY FOR A MINIMUM OF FOUR INSPECTIONS PER MONTH AND AFTER A RAINFALL EVENT THAT PRODUCES A DISCHARGE. MAKE NEEDED REPAIRS WITHIN 24 HOURS.
- REMOVE BUILD-UP AT ALL SEDIMENT BARRIERS AND SILT FENCES WHEN ACCUMULATED SEDIMENT REACHES ONE-THIRD TO ONE-HALF OF BARRIER HEIGHT AND 50% CAPACITY OF SEDIMENT BASINS.
- RE-DRESS AGGREGATE MATERIAL IN CONSTRUCTION DRIVE AS NEEDED TO MAINTAIN EFFECTIVE MEASURE.

EROSION CONTROL NOTES:

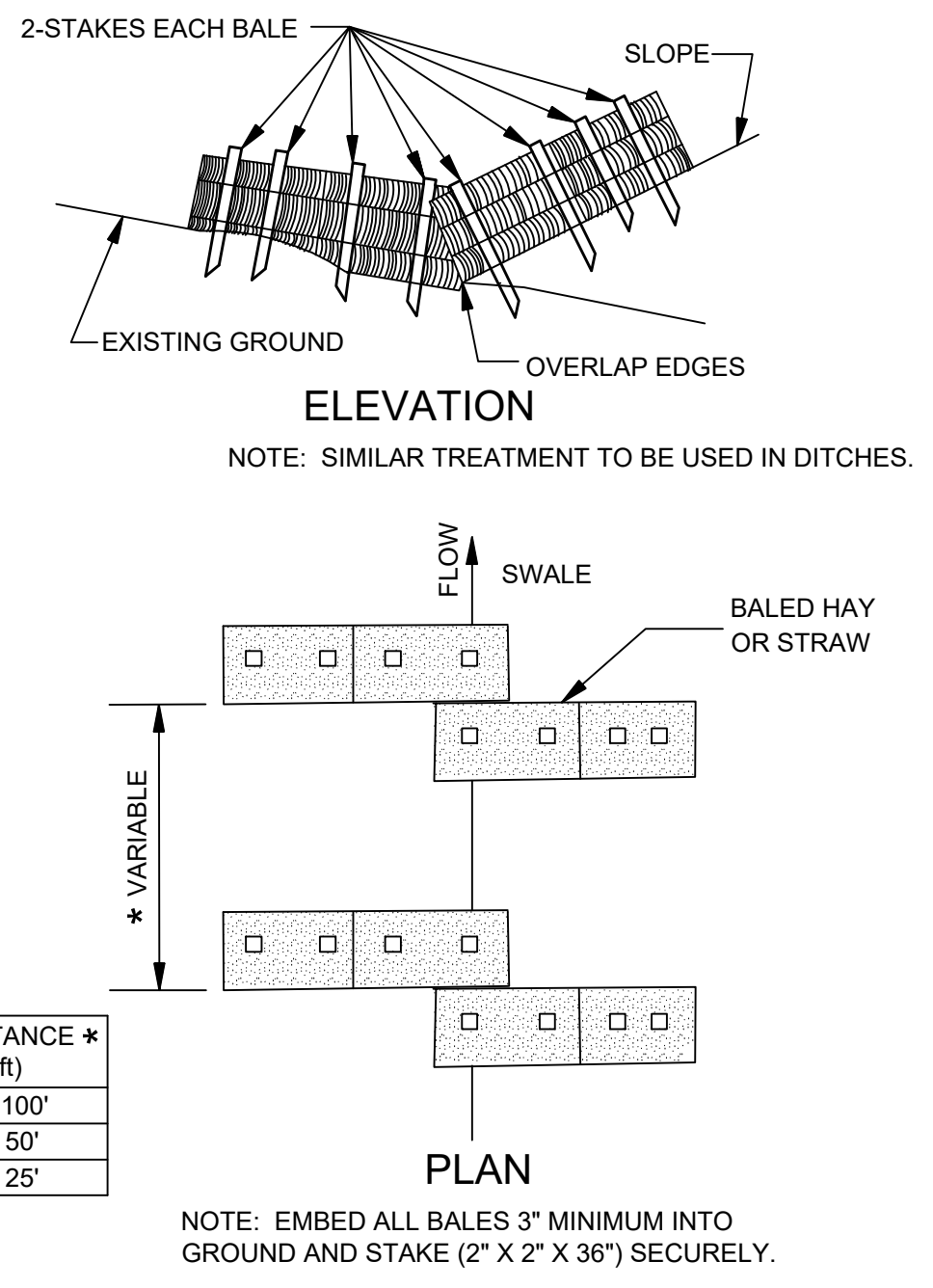
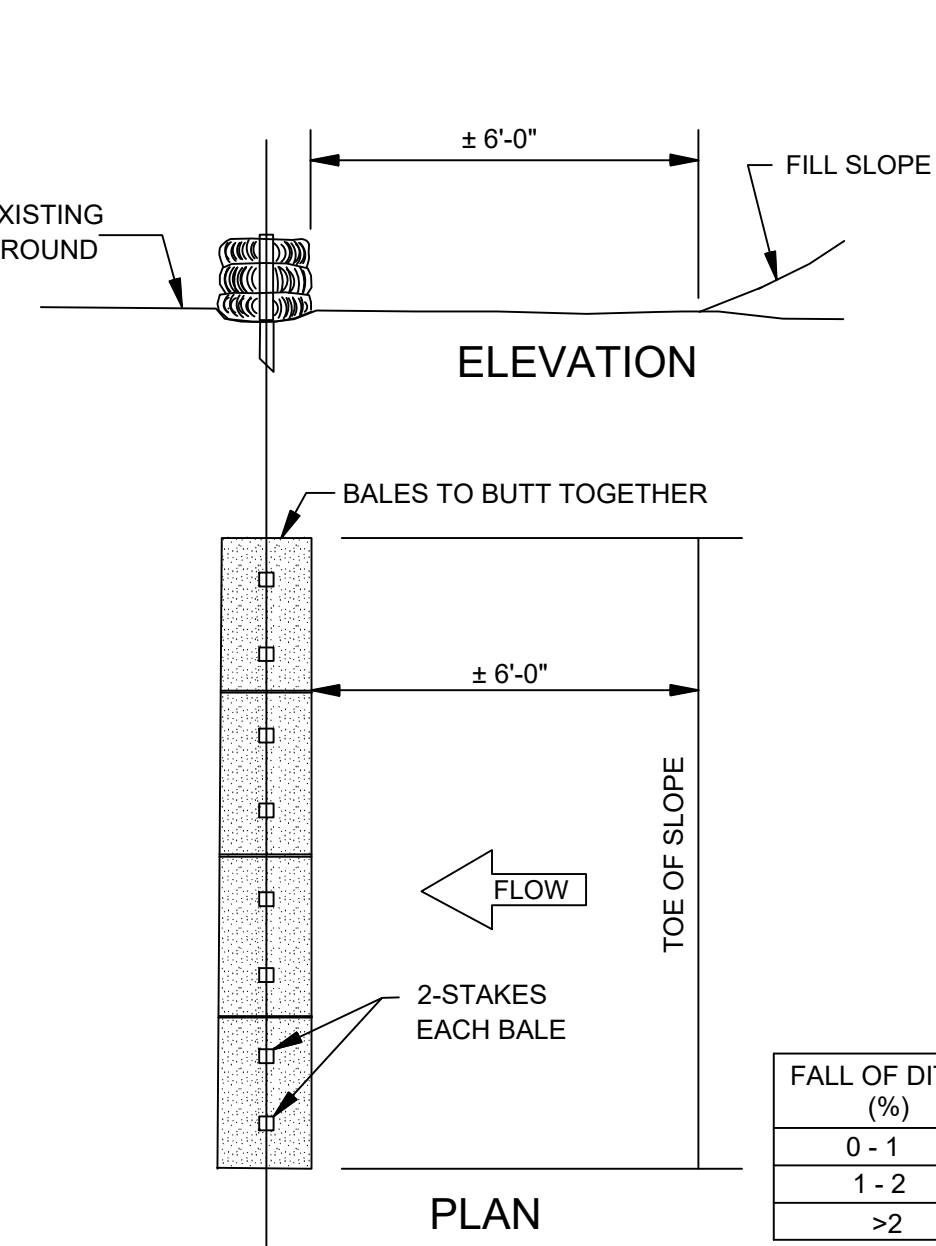
- CONTOURS SHOWN ARE GENERATED FROM LIDAR DATA.
- PLAN TO BE MODIFIED ON AN AS-NEEDED BASIS DURING CONSTRUCTION TO MINIMIZE DEPOSITION OF SILT ONTO OFF-SITE PROPERTY.
- LOCATION AND NUMBER OF STRAW BALES OR WATTLES SHALL BE MODIFIED ON AN AS-NEEDED BASIS.
- LOCATION OF SILT FENCE SHALL BE MODIFIED DURING CONSTRUCTION TO MINIMIZE DEPOSITION OF SILT INTO DITCHES AND WETLAND AREAS.
- WHERE SIGNIFICANT TREE LOSS COULD OCCUR DURING GRASSED DRAINWAY CONSTRUCTION, TYPICAL DITCHES MAY BE MODIFIED AT THE ENGINEER'S DISCRETION.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE CURRENT NPDES PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES. CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL LOCAL, STATE, AND FEDERAL STORMWATER REGULATIONS PERTAINING TO CONTROL OF OFF-SITE SEDIMENT RUNOFF.
- THE CONTRACTOR IS RESPONSIBLE FOR ESTIMATING AND MAINTAINING SUITABLE EROSION AND SEDIMENT CONTROL DEVICES ON-SITE DURING CONSTRUCTION AS REQUIRED TO PREVENT SILT FROM LEAVING THE SITE. ALL SILTS ESCAPING BEYOND THE PROPERTY LINE RESULTANT FROM THE CONSTRUCTION ACTIVITY SHALL BE RECLAIMED AND UTILIZED ON-SITE OR HAULLED OFF FOR DISPOSAL.
- THE CONTRACTOR SHALL INSTALL ALL PERIMETER SEDIMENT AND EROSION CONTROL DEVICES INCLUDING SILT FENCES, STRAW BALES, AND SEDIMENT BASINS AS INDICATED PRIOR TO COMMENCING ANY EARTHMOVING ACTIVITY. ALL MEASURES INDICATED ON THIS PLAN SHOULD BE CONSIDERED A MINIMUM STANDARD. ADDITIONAL MEASURES MAY BE NECESSARY. THESE CAN BE FOUND IN THE LATEST VERSION OF THE "PLANNING AND DESIGN MANUAL FOR THE CONTROL OF EROSION, SEDIMENT, AND STORM WATER" AVAILABLE FROM MDEQ.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF THE SILT FENCES THROUGHOUT THE CONSTRUCTION PROCESS AND UNTIL PERMANENT GROUND VEGETATION HAS BEEN ESTABLISHED TO THE SATISFACTION OF THE ENGINEER.
- CONTRACTOR MAY BE REQUIRED TO PROVIDE ADDITIONAL EROSION CONTROL MEASURES AS DIRECTED BY GOVERNING AUTHORITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE IF NOT REUSABLE ON-SITE AND ASSURING ALIGNMENT AND GRADES IN ALL DITCHES AT COMPLETION OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING OUT ALL STORM DRAINAGE STRUCTURES, INCLUDING MANHOLES, FLUMES, PIPES, PONDS, ETC., PRIOR TO COMPLETION OF THE PROJECT.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL FINES ASSOCIATED WITH THE DISCHARGE OF SEDIMENT, EROSION, OR POLLUTANTS CAUSED BY THIS WORK.
- CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL LOCAL, STATE, AND FEDERAL STORM WATER REGULATIONS.
- ROADWAYS ARE TO BE SWEEPED FREE OF SEDIMENT AND DEBRIS DAILY.
- SITE IS TO BE CLEANED DAILY FOR DEBRIS THAT MAY ENTER EXISTING DITCHES OR THE STORM DRAINAGE SYSTEM.
- CONTRACTOR SHALL PROVIDE A RAIN GAUGE ON-SITE. RAINFALL AMOUNTS SHALL BE MONITORED AND DOCUMENTED BY THE CONTRACTOR DAILY.
- FINAL STABILIZATION IS TO BE ACHIEVED BY SEEDING, FERTILIZING, AND MULCHING ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES, AND ENSURING THAT A COMPLETE STAND OF GRASS IS ESTABLISHED.

CONSTRUCTION ENTRANCE NOTES:

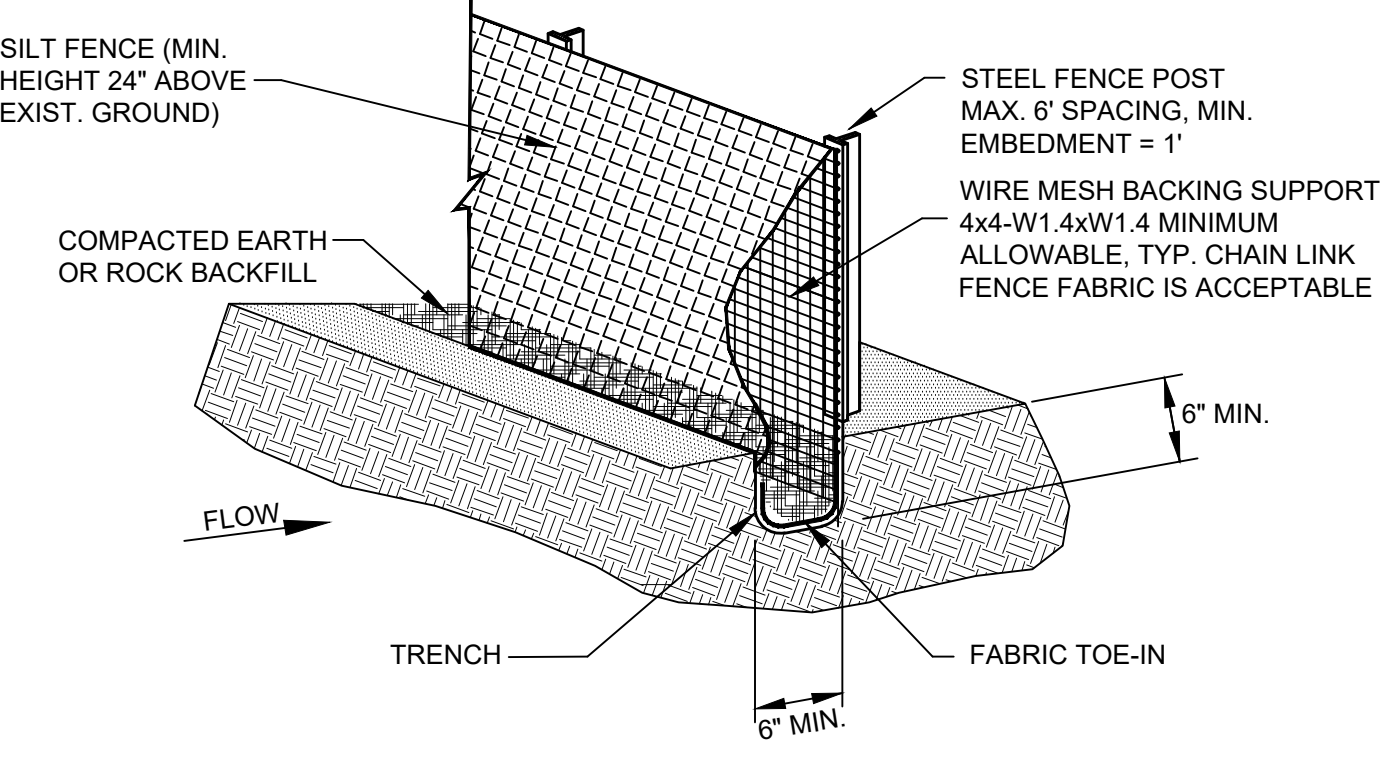
- USE SEPARATION GEOTEXTILE FABRIC FOR FULL WIDTH AND LENGTH OF EXIT.
- GRADE TO PREVENT RUN-OFF FROM LEAVING SITE.
- PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND PUBLIC RIGHT-OF-WAY.
- 2" TO 4" CRUSHED STONE SHALL BE USED FOR THE ENTRANCE.
- THE ENTRANCE SHALL BE A MINIMUM OF 20' WIDE; POSSIBLY THE WIDTH OF THE ACCESS. IF TRAFFIC VOLUME IS HIGH, ENTRANCE SHALL BE WIDE ENOUGH FOR TWO VEHICLES TO PASS.
- ENTRANCE TO BE INSPECTED ON A REGULAR BASIS ESPECIALLY AFTER A RAIN EVENT AND/OR A HEAVILY TRAVELED DAY.
- TO REDUCE MAINTENANCE, ENTRANCE SHALL HAVE GEOTEXTILE FABRIC BENEATH IT AND STONE SHALL BE 6" THICK.
- APPLY ADDITIONAL STONE PERIODICALLY OR WHEN REPAIR IS NEEDED. REMOVE ALL MATERIAL TRACKED ONTO THE PUBLIC ROADWAY.



CONSTRUCTION ENTRANCE DETAIL



HAY/STRAW BALE DETAIL

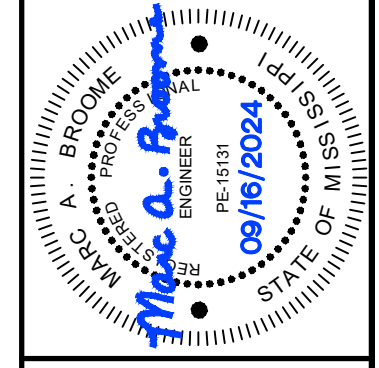


SILT FENCE DETAIL

SILT FENCE GENERAL NOTES:

- STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
- THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
- THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3-FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
- INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
- ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

CAD FILE: 42132401.DWG
PROJECT NO: 42132401
SCALE: 1" = 100'
DESIGNED BY: MB
DRAWN BY: MB
CHECKED BY: MB



LANDMARK SURVEYING, LLC
P.O. Box 580 • Megee, Mississippi 39111
Phone: (601) 849-1796 Fax: (601) 849-1797

PREPARED FOR:
Scott Bullock
46 Bethel Church Road
Seminary, Mississippi 39479

Erosion Control Plan
Bullock Mine
Covington County, Mississippi

SHEET NO.
C-1