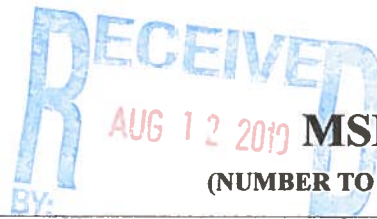


AI 75881



MSR10 8021

(NUMBER TO BE ASSIGNED BY STATE)

APPLICANT IS THE: [X] OWNER [ ] PRIME CONTRACTOR

OWNER CONTACT INFORMATION

OWNER CONTACT PERSON: Jimmy Lane
OWNER COMPANY LEGAL NAME: Harrison Holdings, LLC
OWNER STREET OR P.O. BOX: 3909 Highway 57
OWNER CITY: Ocean Springs STATE: MS ZIP: 39564
OWNER PHONE #: (228) 872-2414 OWNER EMAIL: jason@overstreeteng.com

PRIME CONTRACTOR CONTACT INFORMATION

PRIME CONTRACTOR CONTACT PERSON: N/A
PRIME CONTRACTOR COMPANY LEGAL NAME: N/A
PRIME CONTRACTOR STREET OR P.O. BOX: N/S
PRIME CONTRACTOR CITY: N/A STATE: N/A ZIP: N/A
PRIME CONTRACTOR PHONE #: (N/A) N/A PRIME CONTRACTOR EMAIL: N/A

FACILITY SITE INFORMATION

FACILITY SITE NAME: Crystal Lakes Subdivison - Phase II
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: Canal Road
CITY: Gulfport STATE: MS COUNTY: Harrison ZIP: 39503
FACILITY SITE TRIBAL LAND ID (N/A If not applicable): N/A
LATITUDE: 30 degrees 27 minutes 13 seconds LONGITUDE: 89 degrees 08 minutes 26 seconds
LAT & LONG DATA SOURCE (GPS (Please GPS Project Entrance/Start Point) or Map Interpolation): 30.45 W 89.14 N
TOTAL ACREAGE THAT WILL BE DISTURBED 1: 26
IS THIS PART OF A LARGER COMMON PLAN OF DEVELOPMENT? YES [ ] NO [X]
IF YES, NAME OF LARGER COMMON PLAN OF DEVELOPMENT:
AND PERMIT COVERAGE NUMBER: MSR10
ESTIMATED CONSTRUCTION PROJECT START DATE: 2019-10-01
ESTIMATED CONSTRUCTION PROJECT END DATE: 2020-05-31
DESCRIPTION OF CONSTRUCTION ACTIVITY: Installation of water, sewer, and drainage for new homes.
PROPOSED DESCRIPTION OF PROPERTY USE AFTER CONSTRUCTION HAS BEEN COMPLETED: Subdivison with approximatley 89 homes.
SIC Code NAICS Code

NEAREST NAMED RECEIVING STREAM: Bernard Bayou

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](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

ARE THERE RECREATIONAL STREAMS, PRIVATE/PUBLIC PONDS OR LAKES WITHIN 1/2 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):  
See SWPPP

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

IF YES, INDICATE THE TYPE OF FLOCCULANT.  ANIONIC POLYACRYLAMIDE (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? YES  NO

<sup>1</sup> Acreage for subdivision development includes areas disturbed by construction of roads, utilities and drainage. Additionally, a housesite of at least 10,000 ft<sup>2</sup> 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 A LAKE REQUIRING THE CONSTRUCTION OF A DAM BEING PROPOSED? YES  NO   
(If yes, provide appropriate approval documentation from MDEQ Office of Land and Water, Dam Safety.)

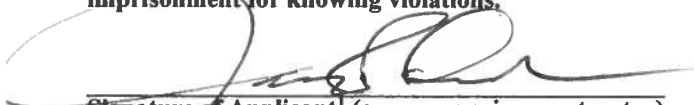
IF THE PROJECT IS A SUBDIVISION OR A COMMERCIAL DEVELOPMENT, HOW WILL SANITARY SEWAGE BE DISPOSED? Check one of the following and attach the pertinent documents.

- 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 WITH WHICH THE PROJECT MUST COMPLY:

N/A

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

  
Signature of Applicant<sup>1</sup> (owner or prime contractor)

8-8-19  
Date Signed

Jimmy R Lance  
Printed Name<sup>1</sup>

Managing Member  
Title

<sup>1</sup>This 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

# PRIME CONTRACTOR CERTIFICATION

## LARGE CONSTRUCTION GENERAL PERMIT

Coverage No. MSR10 \_\_\_\_\_ County \_\_\_\_\_

(Fill in your Certificate of Coverage Number and County)



MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

By completing and submitting this form to MDEQ, the prime contractor is certifying that (1) they have operational control over the erosion and sediment control specifications (including the ability to make modifications to such specifications) or (2) they have day-to-day operational control of those activities at the site necessary to ensure compliance with the SWPPP and applicable permit conditions.

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 permit. Notwithstanding any permit condition to the contrary, the coverage recipient and any person who causes pollution of waters of the state or places waste in a location where they are likely to cause pollution of any waters of the state shall remain responsible under applicable federal and state laws and regulations and applicable permits.

### PRIME CONTRACTOR INFORMATION

PRIME CONTRACTOR CONTACT PERSON: N/A PHONE NUMBER: (    ) N/A

PRIME CONTRACTOR COMPANY: N/A (Until contract awarded)

PRIME CONTRACTOR STREET (P.O. BOX): N/A

PRIME CONTRACTOR CITY: N/A STATE: N/A ZIP: N/A

E-MAIL ADDRESS: N/A

### OWNER INFORMATION

OWNER CONTACT PERSON: Jimmy Lane PHONE NUMBER: ( 228 ) 872-2414

OWNER COMPANY NAME: Harrison Holdings, LLC

### PROJECT INFORMATION

PROJECT NAME: Crystal Lakes Subdivision - Phase II

DESCRIPTION OF CONSTRUCTION ACTIVITY: Installation of water, sewer, and drainage for new homes.

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

STREET: Canal Road

CITY: Gulfport COUNTY: Harrison

I certify that I am the prime contractor for this project and will comply with all the requirements in the above referenced general NPDES permit. I further 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.

Prime Contractor Signature<sup>1</sup> \_\_\_\_\_

Date Signed \_\_\_\_\_

Printed Name<sup>1</sup> \_\_\_\_\_

Title \_\_\_\_\_

<sup>1</sup>This 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.

This Prime Contractors Certification form shall be submitted to:  
Chief, Environmental Permits Division  
MS Department of Environmental Quality, Office of Pollution Control  
P.O. Box 2261  
Jackson, Mississippi 39225

**STORM WATER POLLUTION PREVENTION PLAN  
BILOXI, MISSISSIPPI**

**Project: Crystal Lakes Subdivision Phase II**

**Date: August, 2019**

**Prepared for:**

**Harrison Holdings, LLC  
3909 Highway 57  
Ocean Springs, MS 39564**

**Prepared by:**

**Overstreet & Associates, PLLC  
161 Lameuse Street, Suite 203  
Biloxi, MS 39530**

## EXECUTIVE SUMMARY

Overstreet & Associates, PLLC has prepared this Storm Water Pollution Prevention Plan (SWPPP) for the Harrison Holdings, LLC, Gulfport, Harrison County, Mississippi. The SWPPP has been prepared in accordance with the provisions of the Clean Water Act, the National Pollution Discharge Elimination System, and the requirements of the Mississippi Department of Environmental Quality. This plan is being presented to Harrison Holdings, LLC, and will be in the bid documents for Crystal Lakes Subdivision – Phase II.

This report is divided into sections and provides the user with information related to the measures to be taken to control the storm water discharges both during and after construction of the project.

A summary of the information presented in each section is as follows:

**Section 1.0** outlines the scope of the project and the purpose of the SWPPP.

**Section 2.0** provides detailed information regarding the construction activities and measures to be taken by the Owner and Contractor to insure proper management of the storm water generated onsite.

**Section 3.0** outlines the stabilization practices and structural methods for controlling erosion and storm water runoff.

**Section 4.0** outlines any post-construction storm water measures to be utilized on this project.

**Section 5.0** outlines the inspection and maintenance procedures which will be implemented during construction.

**Section 6.0** outlines the material management practices and spill prevention measures for the project.

**Attachments** include a project area map and details of the various storm water management and erosion control devices to be utilized during the project.

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**STORM WATER POLLUTION PREVENTION PLAN  
HARRISON COUNTY UTILITY AUTHORITY  
HICKMAN ROAD WATER SYSTEM IMPROVEMENTS  
BILOXI, MISSISSIPPI**

**1.0 INTRODUCTION**

Harrison Holdings, LLC ("Owner") plans to construct an 89 lot subdivision with water mains and gravity sewer mains along Canal Road, just south of the Orange Grove Road intersection.

**1.1 Site Location**

The site is located along Canal Road, just south of the Orange Grove Road intersection in Harrison County, Mississippi (see Vicinity Map). The nearest receiving body of water is Bernard Bayou in the City of Gulfport, Harrison County, Mississippi.

**1.2 Site Description**

This site consists of generally flat topography in the project area. There is no evidence of significant erosion under present site conditions. The total area expected to be disturbed inside the project boundary is less than twenty-six (26) acres.

**2.0 IMPLEMENTATION SEQUENCE**

Construction activities will begin when all bid documents are complete, contracts are executed, and the work is authorized. Major construction activities associated with the repairs of the infrastructure within the project area will include, but not necessarily be limited to, excavation, pipe installation, testing, restoration and grading for the site.

**2.1 Sequence of Major Construction Activities**

Construction activities will be scheduled and carried out in a manner consistent with routine construction practices. The following list provides a general schedule of the events that will occur during construction as well as the sequence in which the events are proposed:

- |  |   |
|--|---|
| 1. Install erosion control structures as necessary;      | 5. Complete connection to the existing water mains; |
| 2. Clear and grub the site, if necessary;                | 6. Complete final grading;                          |
| 3. Install the new water main;                           | 7. Plant grasses; and,                              |
| 4. Perform all testing and disinfection of the pipeline; | 8. Remove temporary erosion control structures.     |

**3.0 CONSTRUCTION EROSION AND SEDIMENT CONTROLS**

During construction, care will be taken to manage the storm water. The Contractor, on behalf of the Owner, will implement appropriate erosion and sediment controls to retain the sediment onsite. The objective of the plan is to limit exposure of disturbed areas for the shortest time possible, disturb the smallest area possible, preserve vegetation where possible, slow rainfall



runoff velocities to prevent erosive flow, and re-establish vegetation as quickly as possible following construction.

### **3.1 Vegetative Controls**

Site development will proceed in a planned sequence and every attempt will be made to preserve existing vegetation to reduce erosion. All disturbed sites will be managed and re-vegetated as soon as practicable after final grading. Where applicable, disturbed areas will be stabilized by temporary seeding, permanent seeding, mulching and/or sod stabilization. When a disturbed area will be left undisturbed or unattended for thirty (30) days or more, appropriate temporary or permanent vegetative practices shall be implemented within seven (7) calendar days.

#### **Protection of Trees**

Construction fencing will be placed around trees to the drip line in or near disturbed areas until permanent seeding is established.

#### **Permanent Seeding**

Permanent seeding will be established on those disturbed areas not treated with sod stabilization. This may include mulching and/or hydroseeding. Refer to the Seeding Chart attached for type of seed to be utilized

#### **Temporary Seeding**

Temporary seeding is proposed for soils that remain stockpiled for more than 14 calendar days. These areas will be seeded in accordance with the planting schedule, rate of application and planting preparation outlined in the MDEQ seeding chart. When a disturbed area will be left undisturbed or unattended for thirty (30) days or more, appropriate temporary or permanent vegetative practices shall be implemented within seven (7) calendar days.

#### **Erosion and Sediment Control Blankets**

Erosion and sediment control blankets will be placed in disturbed areas as required to preserve side slopes along drainage ditches until permanent vegetation is established.

### **3.2 Structural Controls**

In addition to the vegetative practices referenced above, certain structural erosion control measures shall be implemented as necessary. The measures include diverting flows from exposed soils and/or otherwise limiting runoff from exposed areas. Other structural methods will include silt fences, earth dikes, drainage swales, outlet protection, and equivalent sediment controls as necessary.

#### **Silt Fencing and Sediment Barriers**

Silt fencing and a sediment barrier will be installed to intercept and retain sediment from disturbed areas during construction activities. Silt fencing will consist of synthetic fabric attached to supporting posts and shall be entrenched. Sediment barriers will be constructed of filter fabric, natural stone, concrete riprap or other acceptable materials. These structures will be installed downslope of disturbed areas or in minor swales or ditch lines that have been constructed for the

sole purpose of facilitating storm water drainage. Silt fencing and sediment barriers will not be installed in live streams or in areas where surface flow is anticipated to exceed one (1) cubic foot per second (CFS). These structures will be installed as necessary and will be maintained until other permanent erosion control methods can be installed. Structures will be cleaned out when half filled with silt.

### **Storm Drain Inlet Protection**

Sediment barriers (i.e., silt fencing, block and gravel, etc.) or excavated impoundment areas will be constructed around storm drain inlets located within the project boundaries.

## **4.0 POST-CONSTRUCTION STORM WATER MANAGEMENT MEASURES**

Post-construction control measures shall include, but not necessarily be limited to, vegetated swales and natural depressions.

### **Vegetated Swales and Natural Depressions**

Vegetated swales with maximum side slopes of 4:1 will be installed as necessary to provide positive drainage from culvert outfalls. Additional erosion and sediment controls may be deemed necessary if the controls in the SWPPP are found to be ineffective.

### **Hydroseeding**

Hydroseeding shall be completed as per the Contract Specifications.

## **5.0 INSPECTION AND MAINTENANCE**

In order to ensure the effectiveness of the erosion and sediment control practices incorporated into this Plan, the Contractor will regularly inspect and maintain the storm water control devices referenced above throughout the construction of the project.

### **5.1 Inspection**

All sediment control measures will be inspected at least once each week and/or following any rain storm event measuring 1/2 inches or greater within a 24-hour period.

### **5.2 Maintenance**

All measures will be maintained in good working order and repaired within twenty-four (24) hours of any reported problem. Silt barriers will be inspected for depth of sediment, tears, breaches, and general integrity on a weekly basis. Sediment buildup behind silt barriers will be removed when it has reached one-half (1/2) of the height of the barrier.

A maintenance inspection report will be made after each weekly inspection and will be filed and retained on the jobsite by the Contractor. These reports will be submitted to the Engineer on a monthly basis.

## **6.0 GOOD HOUSEKEEPING**

The following good housekeeping practices will be practiced at the site throughout the construction project:

- All onsite materials shall be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure;
- Products will be kept in their original containers with the original manufacturer's label;
- Manufacturer's recommendations for the proper use and disposal of materials will be followed; and,
- The site superintendent will inspect the site on a daily basis to ensure proper onsite use and disposal of all materials.
- The Contractor shall clearly indicate on a site map within the SWPPP a designated area for concrete truck washout. The location shall be approved by the City of Biloxi or their authorized representative prior to its usage. The washout area must be in a location that captures the residual concrete and prevents it from migrating to natural or manmade drainage ways and/or to surface waters. It is the responsibility of the Contractor to monitor this area and to ensure that all residual concrete is captured and handled appropriately and/or as directed by the City or their authorized representative. During final site cleanup, the Contractor shall remove from the project site all residual concrete produced by the washout operations.

## **6.1 Waste Disposal**

All waste materials will be collected and stored in a covered metal dumpster provided by a licensed solid waste management company. All construction debris and trash will also be deposited in the dumpster. No construction waste will be burned or buried onsite. All personnel will be instructed regarding the correct procedure for waste disposal.

All sanitary waste will be collected from the portable units as required. Once the project is completed, all sanitary waste generated on the site will be removed and disposed of properly.

## **6.2 Spill Prevention**

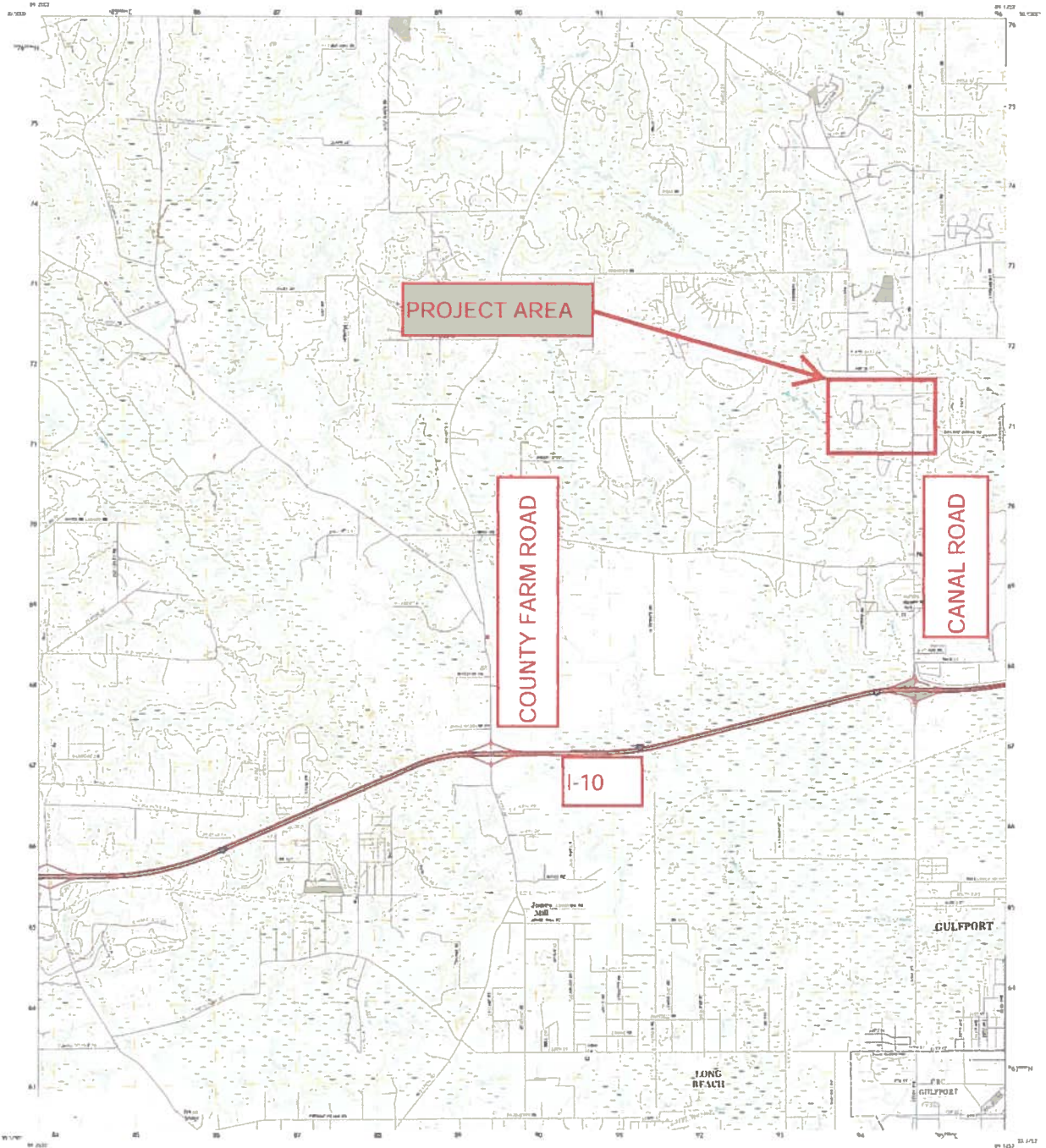
The following practices will be used to reduce the risks associated with any spills of materials during the construction phase of the project:

- All spills will be cleaned up immediately upon discovery;
- Spills of toxic or hazardous materials will be reported to the appropriate governmental agency; and,
- Materials and equipment necessary for spill cleanup will be kept onsite within the material storage area. Equipment and materials will include but not necessarily be limited to brooms, dust pans, mops, rags, safety equipment, gloves, goggles, absorbent material, sand, sawdust, and plastic and metal trash containers.
- All equipment repair and maintenance shall be done in an area designated on the storm water management plan or off-site.

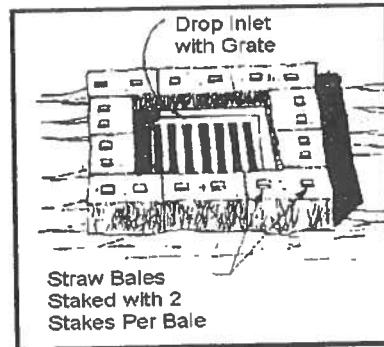
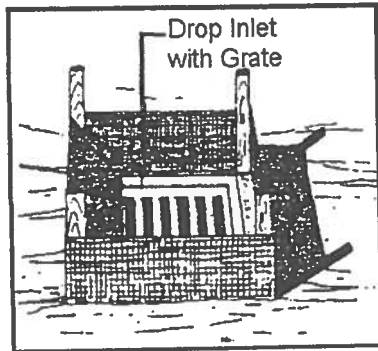
**ATTACHMENTS**

**CONSTRUCTION POLLUTION PREVENTION PLAN**

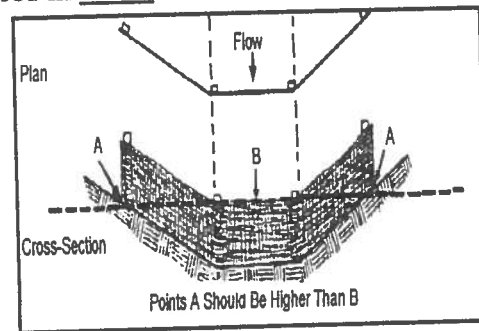
<b><u>Sheet No.</u></b>	<b><u>Description</u></b>
1	Vicinity Map
2	Inlet Protection Detail (8½" x 11")
2	Silt Fence Detail (8½" x 11")
3	Silt Fence Plan
4	Construction Entrance Detail (8½" x 11")
5	Check Dam Detail (8½" x 11")
5	Seeding Chart



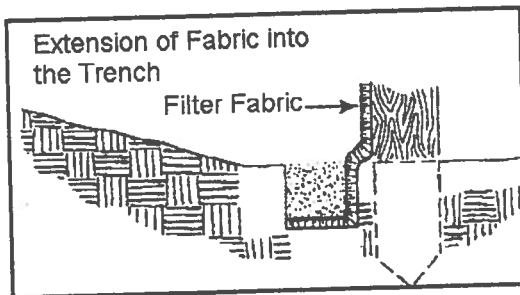
Storm drain inlet protection is a sediment filter (aggregate, silt fence, straw bales, or manufactured filter) or an excavated sediment trap around a storm drain inlet. Storm sewers installed before their drainage area is stabilized can convey large amounts of sediment to streams. Straw bale and silt fence inlet protection are used for drainage areas of less than one acre and slopes no greater than 5 percent.



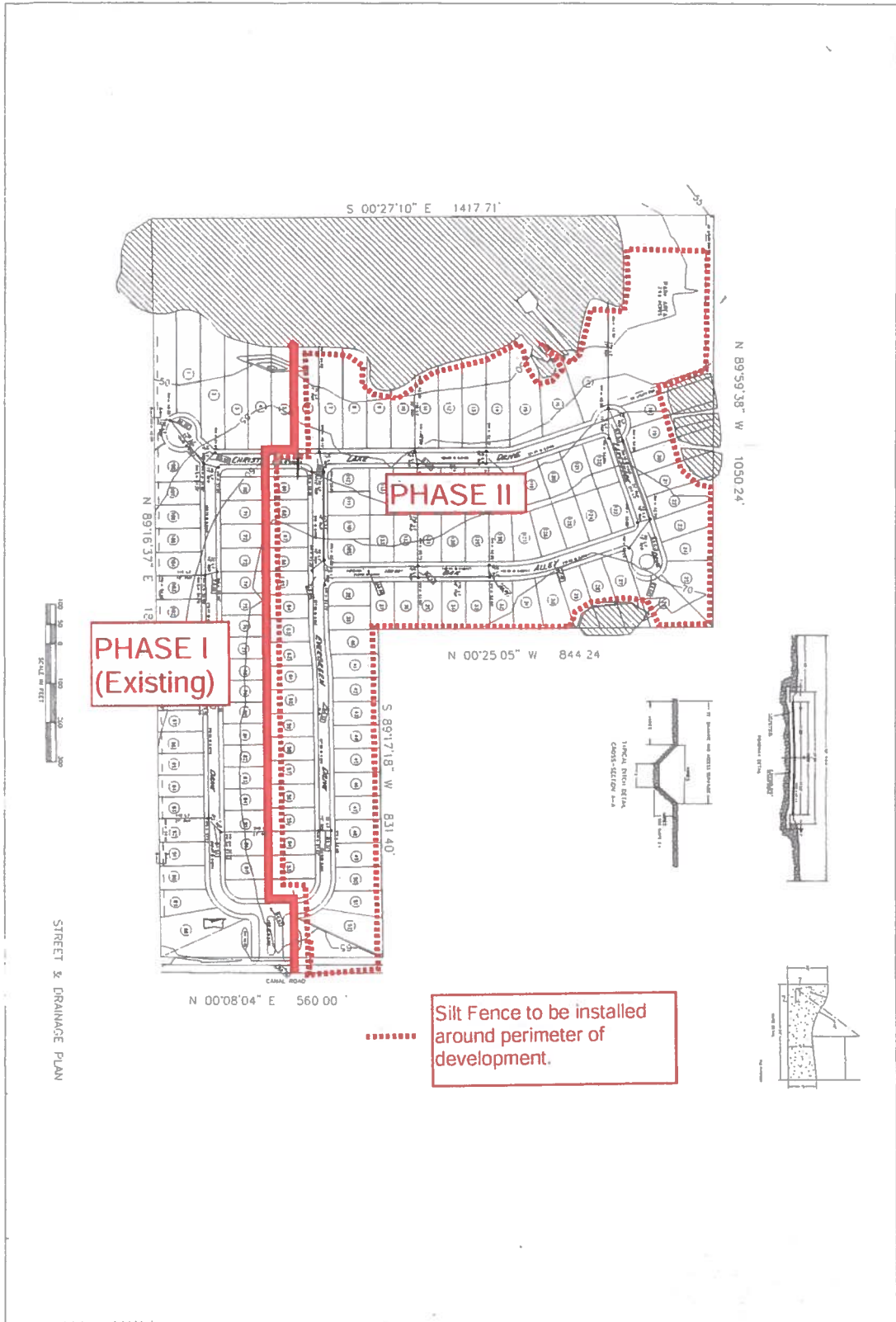
**Silt fences** are used below small disturbed areas to capture sediment from sheet flow. Eight inches of fence should be buried in a trench about four inches deep and four inches wide. **Silt fences that are not buried are improperly installed, have no useful function, are a waste of money, and could result in substantial fines.** The maximum slope length behind a fence is 100 feet with maximum gradient two horizontal to one vertical. **Under no circumstances should silt fences be installed across flowing streams.** They may be placed in minor swales or ditch lines where the maximum contributing drainage area is no more than two acres. The fence must be maintained and the sediment removed when deposits reach one-half the fence height. After the fence is no longer needed, the area should be graded, seeded and mulched.



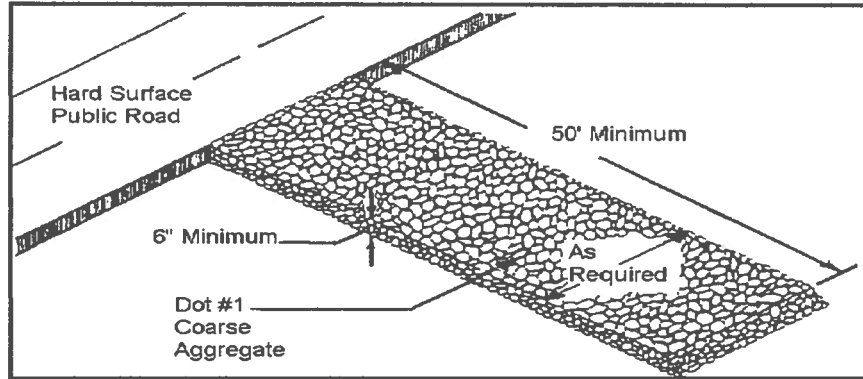
Install fence steel fence posts or 4 inch diameter wooden posts that are 5 feet in length. Posts should be installed starting at the center of the



lowest point of the fence line and be driven 12 inches into the ground. Allow 6 inch overlap at joints. Machines that install silt fences are also acceptable methods of installation.



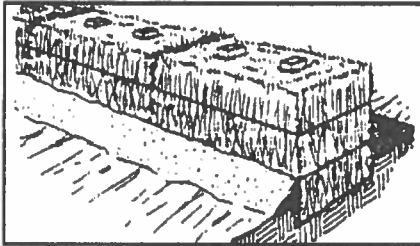
**Construction entrance/exits** are stone stabilized site entrances which reduce sediment transferred onto public roads. Aggregate should be at least six inches thick and 50 feet long. Tire washing may also be needed.



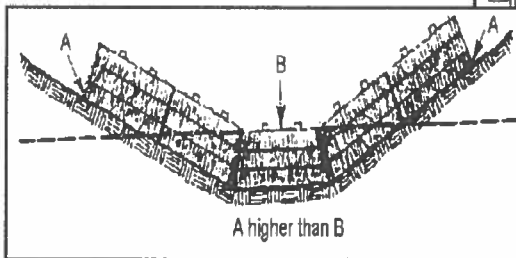
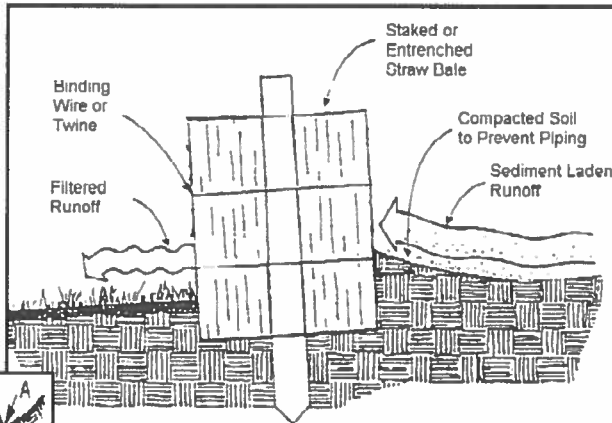


Straw bale barriers are also used on small disturbed areas to capture sediment from sheet flow. The drainage area must be restricted to 1/8 acre per 100 feet of barrier. Maximum gradient behind the barrier is three horizontal to one vertical. The barrier must be located so that the water depth does not exceed one foot at any point. Straw bales, with bindings oriented around the sides, shall be en-

trenched a minimum of four inches and anchored with two stakes driven toward the previously laid bale. **Straw bales that are not buried are improperly installed, have no useful function, are a waste of money, and could result in substantial fines.**



Bales should be placed so that the ends are tightly abutting each other. Bales should be staked down using 1" x 2" wood stakes or rebar. Use 2 stakes per bale and angle the first stake towards the previously laid bale. Stakes should be long enough to go through the bale and into the ground a minimum of 12 inches.



s between bales shall be wedged with straw. Loose straw scattered immediately uphill increases barrier efficiency. **Under no circumstances should straw bale barriers be constructed in live streams.** For minor dry swales, the end bale bottoms shall be higher than the

middle bale top to assure runoff will not flow around the barrier. Repair damaged bales, end runs and undercutting. Remove sediment when it reaches one-half barrier height. When upslope areas are stabilized, remove bales and grade, seed and mulch barrier line.

## SEEDING CHART FOR THE STATE OF MISSISSIPPI

SPECIES	SEEDING RATE/ACRE	PLANTING TIME	DESIRE D pH RANGE	FERTILIZATION RATE/-ACRE	METHOD OF ESTABLISHMENT	ZONE OF ADAPTABILITY <sup>1</sup>
<b>Common Bermuda</b>	15 lbs. alone 10 lbs. mixture	3/1 - 7/15 9/1 - 11/30	6.0 - 7.0	600 lbs. 13-13-13	seed or sod	All
<b>Bahia</b>	40 lbs. alone 30 lbs. mixture	3/1 - 7/15 9/1 - 11/30	6.0 - 7.0	600 lbs. 13-13-13	seed	Central South
<b>Fescue</b>	40 lbs. alone 30 lbs. mixture	9/1 - 11/30	6.0 - 7.0	600 lbs. 13-13-13	seed	North Central
<b>Saint Augustine</b>	--	3/1 - 7/15	6.0 - 7.0	600 lbs. 13-13-13	sod only	Central South
<b>Centipede</b>	4 lbs. alone 2.5 lbs. mix	3/1 - 7/15	6.0 - 7.0	600 lbs. 13-13-13	seed or sod	All
<b>Carpet Grass</b>	15 lbs. alone 10 lbs. mixture	3/1 - 7/15	6.0 - 7.0	600 lbs. 13-13-13	seed or sod	All
<b>Oysia Grass</b>	--	3/1 - 7/15	6.0 - 7.0	600 lbs. 13-13-13	sod only	All
<b>Creeping Red Fescue</b>	30 lbs. alone 22.5 lbs. mix	9/1 - 11/30	6.0 - 7.0	600 lbs. 13-13-13	seed	All
<b>Weeping Lovegrass</b>	10 lbs. alone 5 lbs. mix	3/1 - 7/15	6.0 - 7.0	600 lbs. 13-13-13	seed	All
<b>Sericea Lespedeza</b>	40 lbs.	3/1 - 7/15 9/1 - 11/30	6.0 - 7.0	400 lbs. 6-24-24	seed	All
<b>*Wheat</b>	90 lbs. alone	9/1 - 11/30	6.0 - 7.0	600 lbs. 13-13-13	seed	All
<b>*Ryegrass</b>	30 lbs.	9/1 - 11/30	6.0 - 7.0	600 lbs. 13-13-13	seed	All
<b>*White Clover</b>	5 lbs.	9/1 - 11/30	6.0 - 7.0	400 lbs. 6-24-24	seed	All
<b>*Crimson Clover</b>	25 lbs. alone 15 lbs. mix	9/1 - 11/30	6.0 - 7.0	400 lbs. 6-24-24	seed	All
<b>*Hairy Vetch</b>	30 lbs.	9/1 - 11/30	6.0 - 7.0	400 lbs. 6-24-24	seed	All
<b>*Brown top Millet</b>	40 lbs. alone 15 lbs. mix	4/1 - 8/30	6.0 - 7.0	600 lbs. 13-13-13	seed	All

\* Annuals. For permanent seeding, annuals can only be used in a mixture with perennials.

North- north of Hwy. 82  
 Central- south of Hwy. 82 & north of Hwy. 84  
 South- South of Hwy. 84

161 Lameuse St., Suite 203  
Biloxi, MS 39530  
228-967-7137



**OVERSTREET  
& ASSOCIATES**  
CONSULTING ENGINEERS

630 Delmas Ave., Suite B  
Pascagoula, MS 39567  
228-967-7137

August 8, 2019

Miss. Department of Environmental Quality  
Office of Pollution Control  
Environmental Permitting  
P.O. Box 2261  
Jackson, MS 39225-2261

RECEIVED  
AUG 12 2019

Dept. of Environmental Quality

**Re: Large Construction Notice of Intent (LCNOI)  
Crystal Lake Subdivision – Phase II**

To Whom It May Concern:

Enclosed herewith is one (1) copy of the Large Construction Notice of Intent (LCNOI) and the Storm Water Pollution Prevention Plan (SWPPP), for the above referenced project, for your review, comments and/or approval.

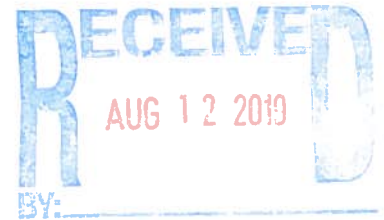
Should you have any questions or require additional information, please do not hesitate to contact us.

Sincerely,



F. Jason Overstreet, P.E.

JO:2062  
Enclosure



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

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