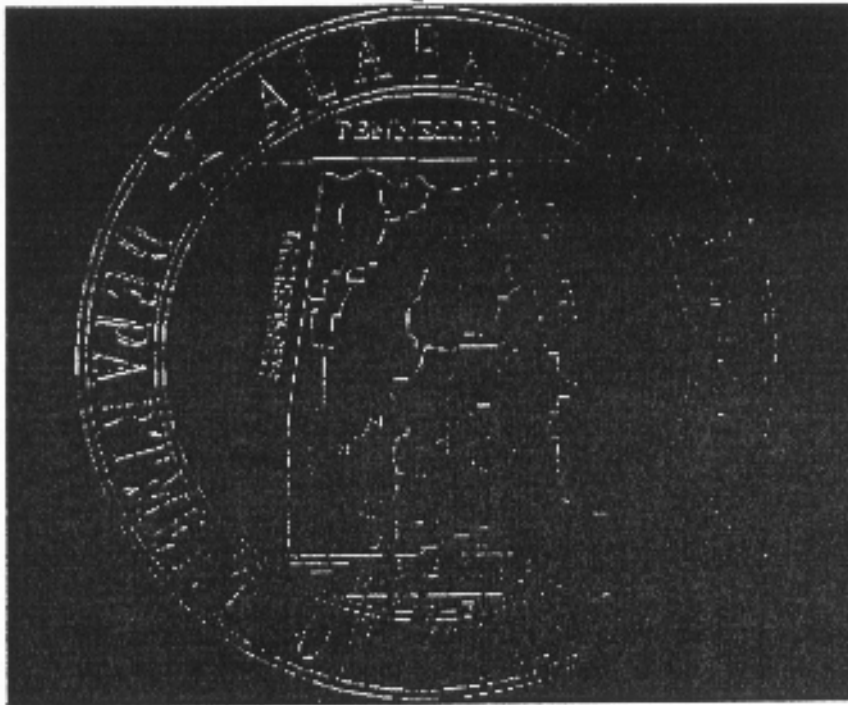


**CONSTRUCTION BEST MANAGEMENT PRACTICES PLAN
(CBMPP)**

For the

DECELERATION LANE FOR THE BEACH HOUSE GRILL



Prepared for

Alabama Department of Transportation

by

ROWE SURVEYING AND ENGINEERING COMPANY, INC.

3755 Cottage Hill Road

Mobile, AL 36609

(251) 666-2766

August 2004

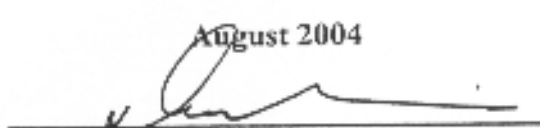

QCP Signature and P.E. Stamp

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1.0 General Information:

This CBMPP has been prepared in conformance with ADEM Administrative Code Chapter 335-6-12 and the Alabama Handbook for Erosion Control, Sediment Control, and Stormwater Management on Construction Sites and Urban Areas. A field review of the project has been accomplished preceding the drafting of this plan. It is the intent of this plan to provide a starting point from which the efforts to prevent offsite transport of sediment and release of pollutants can be updated and changed. It is expected that the contractor working on the project will evaluate the project daily in conjunction with the engineer's inspector and change and/or improve BMP's as required after consultation with the Project Engineer.

1.1 Owner/Operator:


Harry P. Johnson
HPJ Properties, LLC
P.O. Box 700
Daphne, AL 36526

1.2 Contact Person:

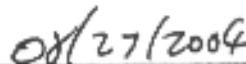
Donald W. Rowe, P.E.
Rowe Surveying and Engineering Co., Inc.
(251) 666-2766

1.3 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 fine and imprisonment for knowing violations.



Donald W. Rowe, P.E.



Date

2.0 Project Description:

The project will include removal of existing curb, excavation, processing, placement of a compacted base, and paving of a deceleration lane and commercial asphalt driveway at 5880 Battleship Parkway (future site of the Beach House Grill).

2.1 Scope of Work:

This project includes the removal of existing curb, excavation, processing, the placement of a compacted base, and paving of a taper and stacking lane, and a commercial asphalt driveway.

_____ is the contractor who will complete the improvements specified by this project. Rowe Surveying and Engineering Company, Inc. will serve as the engineer of record. The project area is identified on the attached topographic map. The project will include clearing and grubbing of less than 1.0 acre.

Throughout the project, from initial disturbance, this Construction Best Management Practices Plan (CBMPP) will be followed to help ensure compliance with the regulations of Alabama Department of Environmental Management (ADEM) and with the goal of preventing or minimizing on site erosion and on site and off site sedimentation. The Best Management Practices (BMPs) detailed in this plan are in part derived from the Alabama Handbook For Erosion Control, Sediment Control, and Stormwater Management on Construction Sites and Urban Areas (Alabama Handbook). Included in this plan by reference are the construction plans for the project that delineate BMPs to be used. All BMP designs and installations will be in accordance with the Alabama Handbook unless alternatives providing equal or greater protection are developed.

This plan has been developed by Rowe Surveying and Engineering Company, Inc. and has been reviewed and approved by a Professional Engineer in the state of Alabama. All structural and nonstructural BMPs are presented more specifically in the engineering design plans which accompany this plan. For structural BMPs typical installation requirements are also presented. For nonstructural BMPs, a description of such items as seed mix are included as part of the engineering design plans.

Stormwater runoff from the project is discharged at the location identified on the attached topographical map. No significant changes in stormwater drainage are anticipated as part of this project due to the attenuation design of the detention system.

2.2 Site Location:

Site exists at 5880 Battleship Parkway (the Beach House Grill), located in T4S, R1E, Baldwin County, Alabama: (see attached Topographic Map).

2.3 Soils:

This site contains the following soil types:

Td Tidal Marsh

Please see Table A from the USDA SCS Publication "Soil Survey of Baldwin County" for a detailed description of this soil.

2.4 Construction Schedule:

Construction is proposed to begin in September or October 2004 and should be completed no later than 35 calendar days after the start of work.

The initial phase of the project will be the removal of an existing curb and Clearing and Grubbing. Trees or other obstructions that would interfere with construction or with drainage will be removed. During this phase there is some initial grading done to allow for sufficient drainage during construction. Temporary erosion controls (e.g. seeding, mulching) will be implemented during this phase if deemed necessary and at locations determined by the project Engineer.

The next phase of this project will be the construction of the deceleration lane and commercial asphalt driveway, which will be excavated, processed, based, compacted, and paved. After this phase, all remaining incidental work items and cleanup will be performed.

Final vegetative cover will be achieved by seeding and mulching of all remaining disturbed areas.

3.0 Drainage:

There are less than 1.0 acres to be cleared in this project. All planned disturbed areas drain to the natural draws which convey storm drainage to the outfall point. The drainage areas at the outfall points are less than 1.0 acres.

4.0 Pollution Elimination Requirements:

The plan must be maintained and updated as necessary to protect the receiving waters from pollution or anytime there is a change in the scope of the project, a change in the contractor responsible for the site, or when additional measures are required to protect endangered flora or fauna. A copy of the CBMPP must be maintained on-site for use of the contractor; however, since no suitable facility is maintained as part of the project, this document will be maintained by the construction inspector. The CBMPP must be made available to the ADEM Director or his authorized representative upon request and to any local agency with jurisdiction over erosion control.

4.1 Spills

Petroleum will be the primary hazard for the site. At no time will tanks of greater than 600 gallon capacity be stored on site without permission of the owner and the preparation of a Spill Countermeasure and Containment Plan. Tanks will be stored in a location which minimizes potential environmental impact in the event of leaks or spills, i.e. the tanks will not be placed close to drainage areas or stormwater inlets. Tanks will be provided with secondary containment and will be locked when not in use.

Provisions have been made for the cleanup of chemical or fuel spills which will be the contractor's responsibility. The contractor will have on site absorbent pads and granular absorbents as well as containers in which to place waste materials. Any spills, drips or leaks must be cleaned up immediately. This includes any soil that is thought to have been contaminated by the chemical or fuel. Waste containers must be properly labeled and stored away from the elements. It is the contractor's responsibility to arrange for proper disposal of these wastes.

In the event the sediment is deposited offsite it will be the contractor's responsibility to remove any sediment that has been transported downstream and dispose of it in an approved location. Dilution water cannot be used as a BMP to achieve compliance.

4.2 Dewatering

In the event that dewatering of any area on the project site is required, this must be done such that no significant sediment laden water is discharged off site. Dewatering may be necessary prior to installation of stormwater drainage structures or before filling of excavations or low areas. Dewatering is to be done by pumping water off site or to an on site location which will not be impacted. Dewatering discharges must be free of any significant turbidity or sediments and cannot be discharged to a wetland or a water body. In addition, dewatering discharges must not result in erosion or additional sediment transport. Any discharges to private land may only be done if the project owner has received the permission of the private land's owner. If dewatering involves turbid or sediment laden water, this must be discharged either to a dewatering bag or to an alternate containment structure as approved by the project Engineer.

4.3 Other Wastes

Construction site, sanitary waste sewage, gray water and other wastes shall be collected, stored and treated in an approved fashion. In most cases, sanitary wastes and sewage will not be collected on the project site because the contractor, employees and inspectors on the project site will utilize sanitary facilities offsite. If sanitary waste is collected onsite in a "port-o-let", the contractor will hire a professional sewage collection company to collect and dispose of such waste materials in an approved fashion.

Construction wastes and sediment contaminated as a result of construction activities shall be removed and disposed of in accordance with this CBMPP Plan in a timely manner. The contractor will perform regular cleanup and proper disposal of any floating, submerged or offsite deposited construction waste resulting from construction activities. Burning of debris onsite is prohibited during the dry season. When debris must be removed from the site it will be hauled in a covered truck bed and disposed of in an approved location.

5.0 Receiving Streams:

The receiving streams for the discharge from this project are:

1. The Blakely River.
2. The Shellbank River.

Upon review it is determined that this project does not discharge to a Tier I water body segment.

6.0 Erosion Control and Pollution Prevention:

The erosion control plan is part of the contract documents for this project. The contractor will be responsible for the installation of the erosion and sediment control items. All BMP measures as specified in the project drawings will be maintained by the contractor. The erosion control plan is included in the Appendix. The contractor is responsible for the proper disposal of any spoil material from the site.

6.1 Temporary Erosion Control Structures

Silt fence will be placed at the toe of disturbed slopes to catch sediment. Temporary rip rap check dams are also used in various locations along the ditch construction. Hay bales, sand bags, and temporary mulching and seeding are all used to stabilize the disturbed areas during construction.

6.2 Stabilization Measures

The disturbed areas will be seeded and mulched with items provided in the contract documents. No areas are allowed to remain undisturbed for more than 13 days without receiving some stabilization in the form of temporary seeding and/or mulch. The contractor must make every effort to disturb as little surface area at a time as possible. The contractor is encouraged to phase construction of the project to allow for reclamation of some areas while other areas are being disturbed.

6.3 Permanent Erosion Control Structures

Any storm water conveyances are protected by vegetation and are designed to prevent erosion.

6.4 Other Pollution Sources

Materials typical to road construction and the installation of utilities may be stored at the site. These materials may be exposed to precipitation; however, none should be a source of pollution. The contractor shall be responsible for installing and maintaining all erosion control and sediment control items, and will also be responsible for general litter control, proper disposal of scrap materials and other wastes. Fugitive dust will be controlled by the use of a water truck.

6.5 Maintenance

Maintenance of the erosion and sedimentation control structures must be performed periodically to insure that they are working properly. Sediment will be removed from these control structures when the structures are at 50% of their capacity or when evidence of escape of sediment from the structure is observed. Nonstructural BMPs, primarily seeding and mulching, will also be inspected regularly to determine their condition. Reseeding, re-mulching and watering of seeded areas may be necessary. This maintenance will be performed before the next rain event or, if this is impractical, as soon as possible after its discovery. Maintenance must be performed promptly upon discovery of the need.

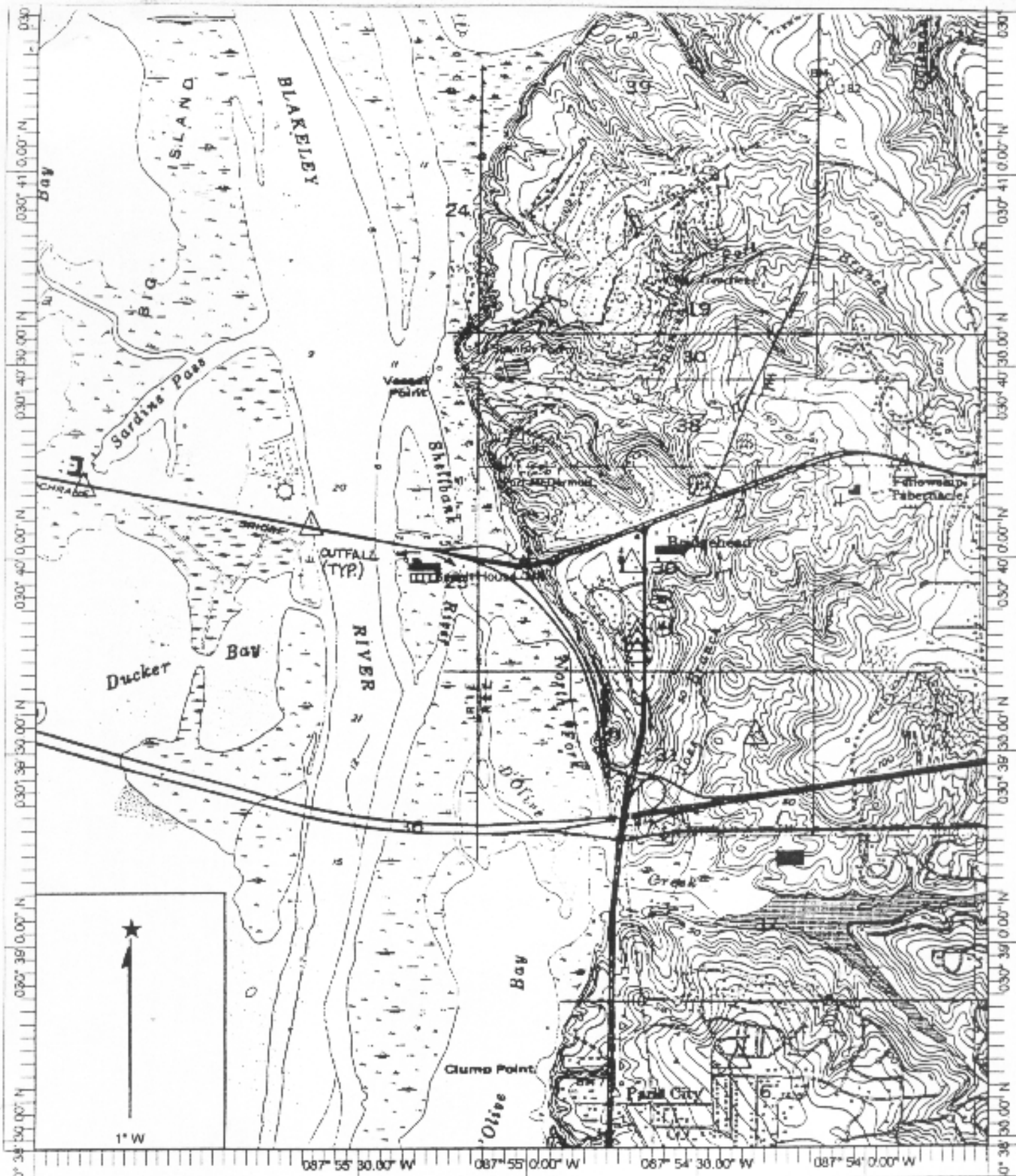
BMP maintenance is a critical part of the entire erosion and sedimentation control process. Common maintenance items include:

- *Replacement of hay bales
- *Repair of silt fence
- *Cleanout of check dams and hay bale dams
- *Reseeding
- *Reattachment of erosion control fabric
- *Refill and compaction of eroded areas
- *Removal of silt from silt fences
- *Cleanout of sediment traps

Some maintenance will be routine, particularly if significant precipitation occurs during the project life. However, it is the goal of the sediment control BMPs to minimize the movement of soil and thereby minimize the amount of maintenance needed for sediment control BMPs.

7.0 Appendices:

1. Project & Discharge Locations



Name: BRIDGEHEAD
 Date: 4/26/2004
 Scale: 1 inch equals 2000 feet

Location: 030° 39' 57.2" N 087° 55' 02.9" W
 Caption: Beach House Gnl