



RE: Mississippi State Port Authority
John Szabo to: Michael_Griffith

12/16/2010 01:46 PM

From: "John Szabo" <szabo@covingtonassociates.net>
To: <Michael_Griffith@deq.state.ms.us>

History: This message has been replied to.

1 attachment



P9 - Outfall Details.pdf

Michael - I have looked at item 2 concerning having a discharge point on the outlet structure at the surface of the basin. We feel that what we have shown meets that criteria, but we have included additional design features that, we feel, result in a superior "treatment train" for this site. As shown on P9 of the permit application (attached), we have designed the pond as both a sediment pond and a detention pond. We have provided a sediment collection area in the bottom of the pond (the majority of the pond area) from Elevation 23'-6" to 25'-6" - 2' below the detention pond portion of the pond area (Elevation 25'-6"). Once the water level in the pond reaches El. 27'-6", it will discharge through the outfall structure through the catch basin's grate, until the water level reaches El. 29.0' where it will flow over the emergency spillway. Between Elevation 27'-6" and 25'-6", the discharge water will be filtered through a gravel fill area around the outfall structure and through 8" perforated HDPE pipes wrapped in geotextile fabric. This draining and filtering of the collected stormwater will occur between rain events and will allow the storage capacity in the detention pond portion to be recovered. We believe that this approach insures that runoff from the parking area will continuously be "treated" before being discharged from the site and that the sediment will be contained within the proposed pond. Additionally, we feel that, due to the design (sod lined ditches in the parking area and rip rap along the slope of the ponds), the stormwater runoff will be slowed down to allow a majority of the sediment to either be captured before reaching the pond or to quickly settle out before the water levels in the pond reach either the top of the outfall structure or the emergency spillway.

John F. Szabo, P.E.
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Gulfport, MS 39501
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-----Original Message-----

From: Michael_Griffith@deq.state.ms.us
[mailto:Michael_Griffith@deq.state.ms.us]
Sent: Tuesday, December 14, 2010 2:18 PM
To: John Szabo
Subject: Mississippi State Port Authority

Mr. Szabo,

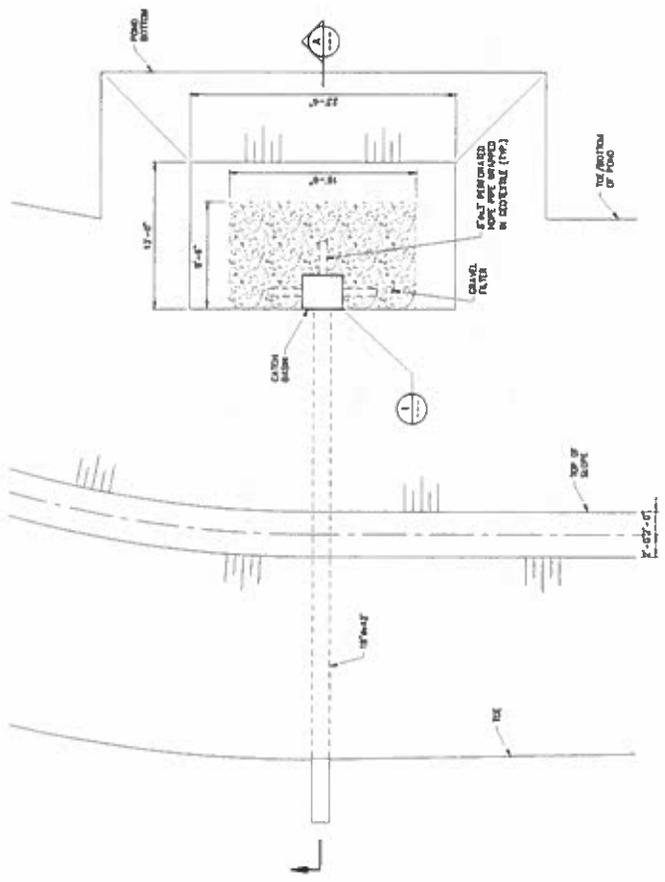
I am reviewing the Large Construction Storm Water Notice of Intent you submitted for the referenced project in Gulfport, MS. There are a couple of items in the SWPPP that need to be addressed due to the fact that the Large Construction Storm Water General Permit will be re-issued within the next few weeks.

1) The SWPPP states, "All disturbed areas that will be left undisturbed for more than 30 days will be temporarily seeded with annual rye, browntop millet, oats and/or winter wheat. The temporary seeding should be done within 7 days of disturbing these areas." The new permit will require vegetative practices to begin within 7 days when a disturbed area will be left for 14 days instead of 30 days as required by the current permit.

2) The new permit also requires all sediment basins to be equipped with an outlet structure that discharges only from the surface of the basin. I could not tell from the information you provided if the sediment basin planned for this project was equipped with this type of outlet structure.

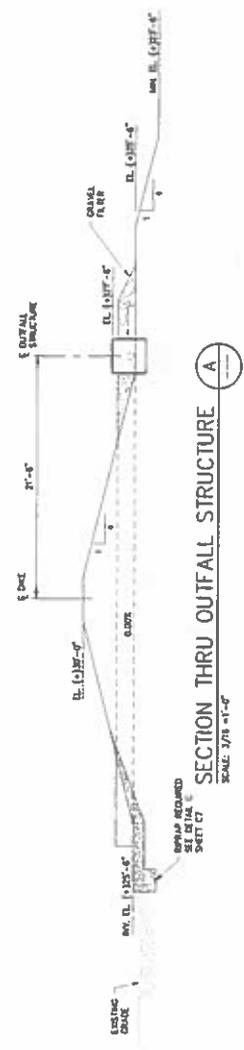
Please submit the requested information, so that we may proceed with the permitting process for this project. If you have any questions, please contact me. Thank you.

Michael Griffith, P.E.
Environmental Permits Division
Mississippi Department of Environmental Quality
PO Box 2261
Jackson, Mississippi 39225-2261
(601) 961-5559
(601) 961-5703 Fax



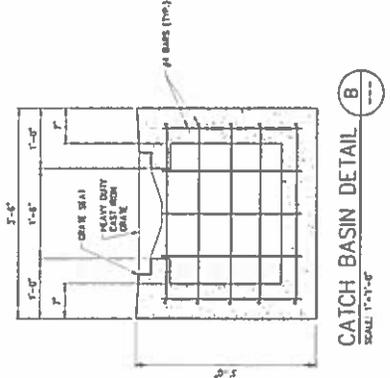
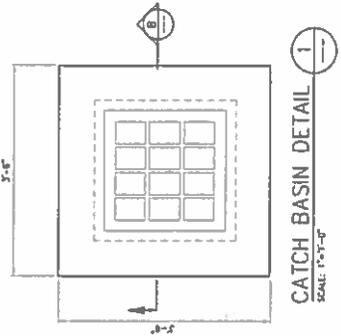
OUTFALL STRUCTURE PLAN
SCALE: 3/8"=1'-0"

1
C



SECTION THRU OUTFALL STRUCTURE
SCALE: 3/8"=1'-0"

1
A



PRELIMINARY FOR REVIEW ONLY
OCTOBER 21, 2010

LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

NEW ORLEANS, LA • BEAUMONT, TX

P9

**NORTH PORT PROPERTY
SITE DEVELOPMENT
SECTIONS AND DETAILS (2 OF 2)**

DATE	SCALE	SHEET NO.	SHEET TOTAL	PROJECT
10/21/10	1/8"=1'-0"	0314-10	P9	MISSISSIPPI STATE PORT AUTHORITY
REV. DATE	BY	DESCRIPTION		
A 10/21/10	MA	PERIOD FOR REVIEW		
B 10/21/10	MA	ISSUED FOR REVIEW		

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