STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

NORTH PORT PROPERTY 33<sup>rd</sup> Street Gulfport, Mississippi

**PROJECT NO. 9397.08** 

PREPARED FOR: MS STATE PORT AUTHORITY 2510 14<sup>th</sup> Street Gulfport Mississippi

**PREPARED BY:** 



14257 Dedeaux Road, Suite B Gulfport, MS 39503 (228) 369-0486

**December 2010** 

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# **I PROJECT DESCRIPTION:**

A limestone base parking area with two (2) asphalt entrances off 33<sup>rd</sup> Street will be constructed to provide parking for vehicles and moving stock from the Mississippi State Port during storm events. The limestone base parking area will drain to a sediment/detention pond, which will discharge into an on-site wetlands area north of the sediment/detention pond (See P2). The subject project area is approximately 32 acres and is located adjacent to 33<sup>rd</sup> Street in Gulfport, Mississippi (See P1). In its present state, the subject project area is undeveloped, with brush piles and grassy vegetation.

\*SOILS – SOILS ON THE SUBJECT PROPERTY ARE COMPRISED OF APPROXIMATELY 42% HARLESTON FINE SANDY LOAM, 39% PLUMMER SANDY LOAM, AND 19% ATMORE SILT LOAM.

### **II CONTROLS:**

- A. TEMPORARY VEGETATIVE CONTROLS: 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.
- **B. PERMANENT VEGETATIVE CONTROLS:** All disturbed areas <u>not</u> scheduled to receive fill, limestone or asphaltic concrete paving or sod, will be permanently seeded once final grades are established. Seeding will be done with a mixture per acre of Rye Grass (30 lbs.) and Common Bermuda (55 lbs.) Mulch or blown hay will be placed on all side slopes after seeding. Commercial fertilizer should be provided and applied per project specifications.
- **C. STRUCTURAL CONTROLS:** Silt fencing and hay bales will be installed in accordance with the plans and details (See P3 and P4) until sufficient vegetation have been established. Sediment filters will be installed and maintained at all times. Silt fencing and hay bales shall be removed once permanent cover is established and once approved for removal by Engineer.
- **D. HOUSEKEEPING PRACTICES:** All equipment maintenance and repair will be performed offsite. A dumpster will be placed at a central location on site for easy access. Portable sanitary facilities will be provided for construction workers.
- E. POST CONSTRUCTION/STORM WATER MANAGEMENT MEASURES: Flow attenuation using sediment/detention ponds shall be used to control sediment in storm water after construction is complete (See P9). Rip rap will be used as an energy disperser at the outlet of the sediment/detention pond (See P8 and P9).

### **III IMPLEMENTATION SEQUENCE:**

- A. Install silt fence and hay bales as shown on plans (See P3 and P4). Install construction entrance as shown on plans (See P3 and P4).
- B. Construct one (1) sediment/detention pond including an emergency spillway. Install outfall structure with outlet protection (See P5 – P9)
- C. Construct drainage ditches and drainage structures (See P5 P8).
- D. Seed and mulch all disturbed areas <u>not</u> receiving sod or limestone or asphaltic concrete pavement.
- E. All work will comply with Sections 02260 Storm Water Pollution Prevention Plan and 02270 – Erosion Control of the Project Specifications prepared by Lanier & Associates (Engineer).

### **IV MAINTENANCE PLAN:**

- A. Check all disturbed areas and erosion and sediment controls measures after each significant rainfall (0.5" or greater) but not less than once per week. Fill out inspection report forms provided in Appendix A. Make needed repairs within 24 hours. Remove sediment from silt fence when accumulated sediment has reached 50 percent height of silt fence. Replace non-functional silt fence. Maintain all vegetated areas to provide proper ground cover. Reseed, fertilize, and mulch as needed. Note: Provide copy of report to Engineer within 48 hours of inspection.
- B. When a disturbed area will be left undisturbed for thirty days or more, the appropriate temporary or permanent vegetative practices shall be implemented within seven calendar days.
- C. Sediment basin(s)/pond(s) will be inspected weekly for excessive siltation build up. Fill out inspection report form provided in Appendix A. When sediment levels reach 25% percent of the outfall structure's height, sediment will be removed to original bottom of pond. Note: Provide copy of report to Engineer within 48 hours of inspection.

# **V OTHER CONTROL METHODS:**

- A. Construction involving earthwork or dirt hauling and placement will be limited to "Dry Periods".
- B. One (1) construction entrance/exit to the site will be constructed in accordance with details (See P4).

C. Construction activity will comply with state and local waste disposal requirements.

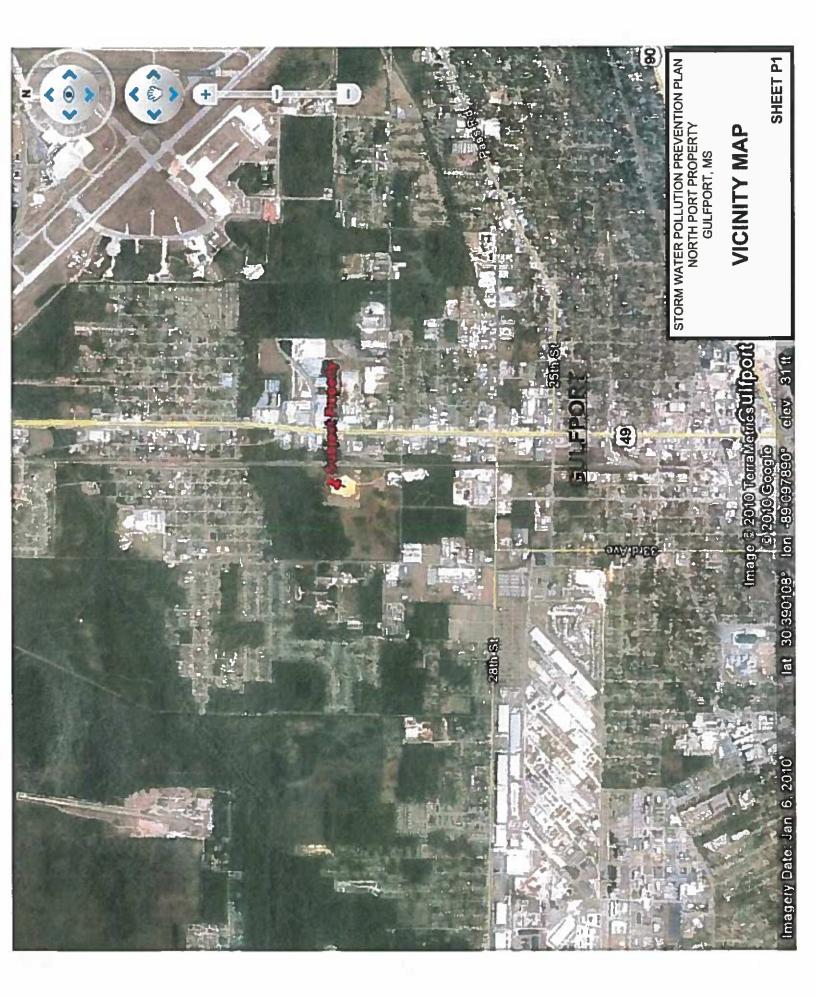
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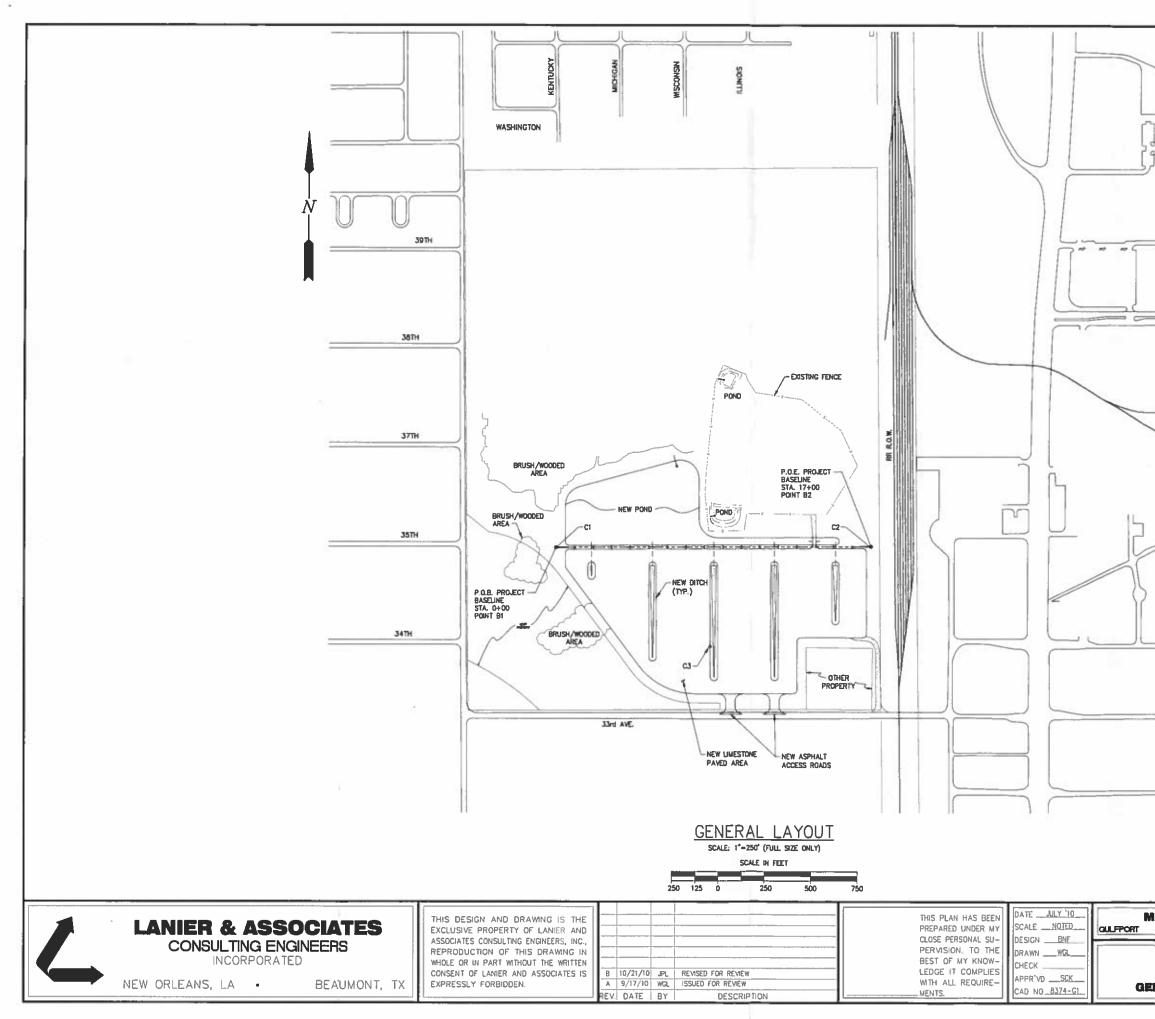
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**FIGURES** 

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#### NOTES

 EXISTING CONSTRUCTION, UTILITIES, PROPERTY BOUNDARIES AND CONDITIONS SHOWN ARE SCHEMATIC. ACTUAL CONDITIONS MAY DIFFER. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAKING HIS OWN STE EXAMINATION AND DETERMINING THE ACTUAL NATURE AND EXTENT OF EXISTING CONDITIONS AS NEEDED PRIOR TO UNDERTAINOR THE WORK.
CONTRACTOR TO PROTECT EXISTING CONTROL POINTS.
DO NOT DISTURB EXISTING CONTROL POINTS.

# PRELIMINARY FOR REVIEW ONLY OCTOBER 21, 2010

SHEET NO. 8374-10

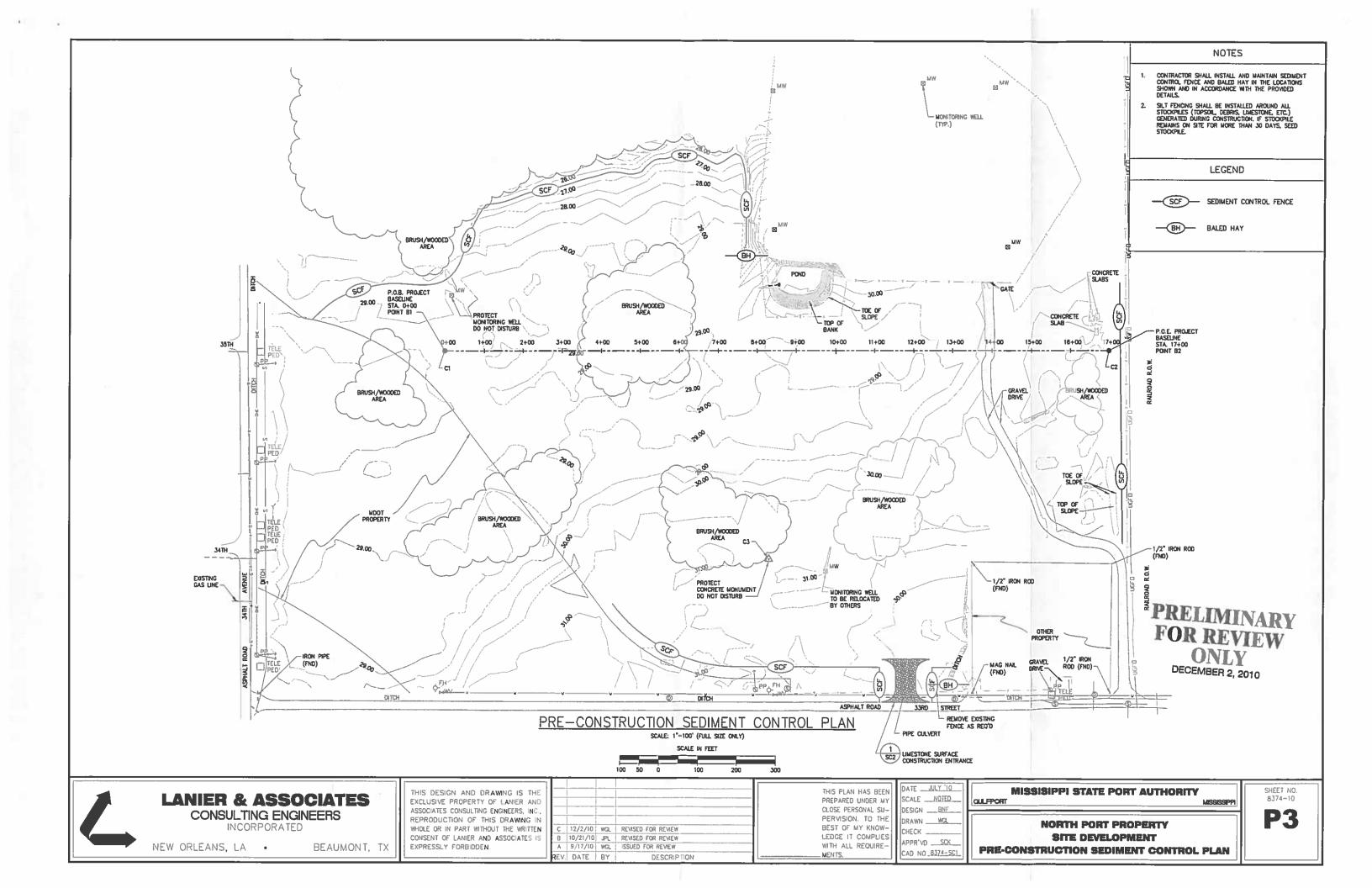
**P2** 

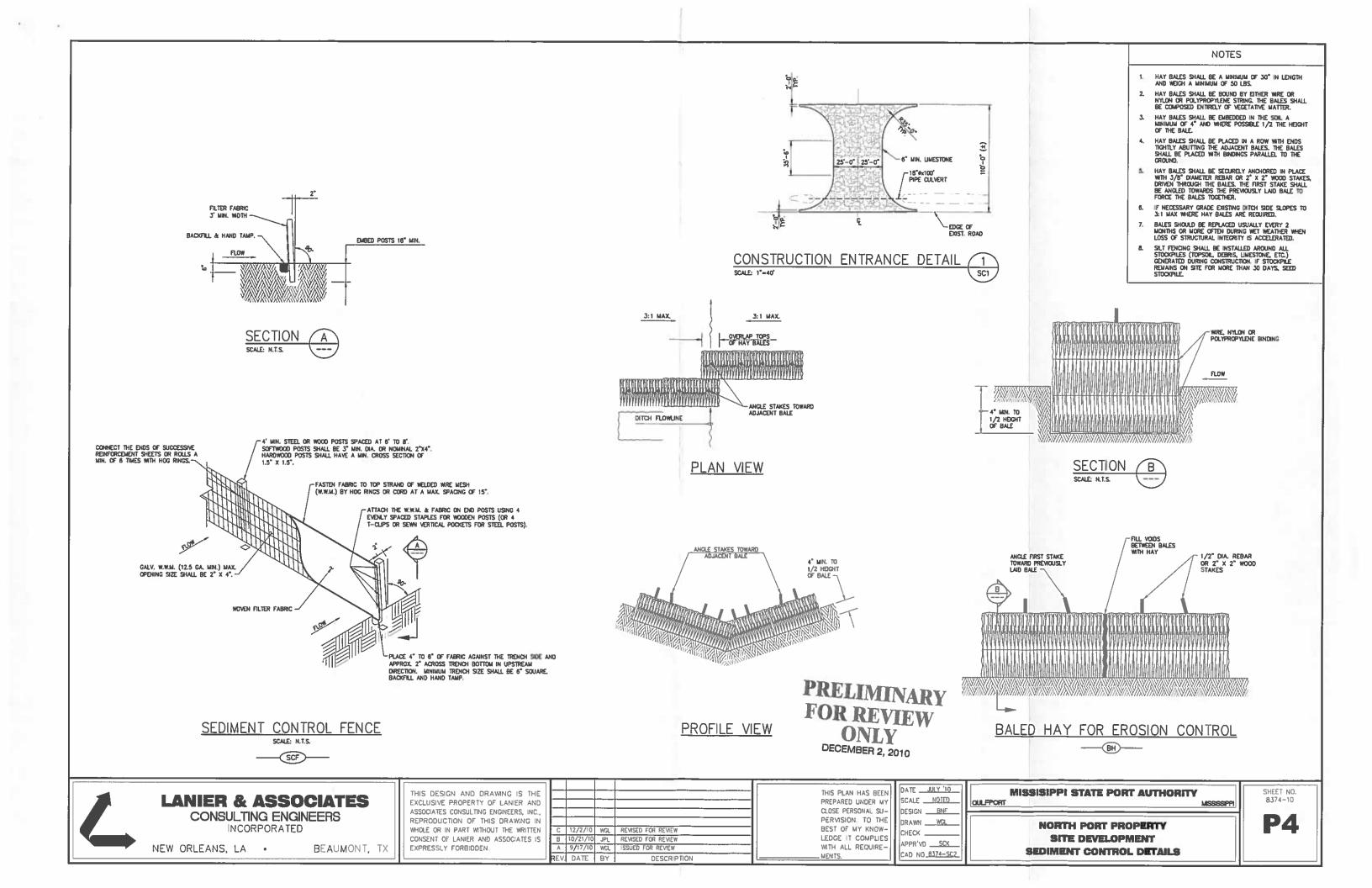
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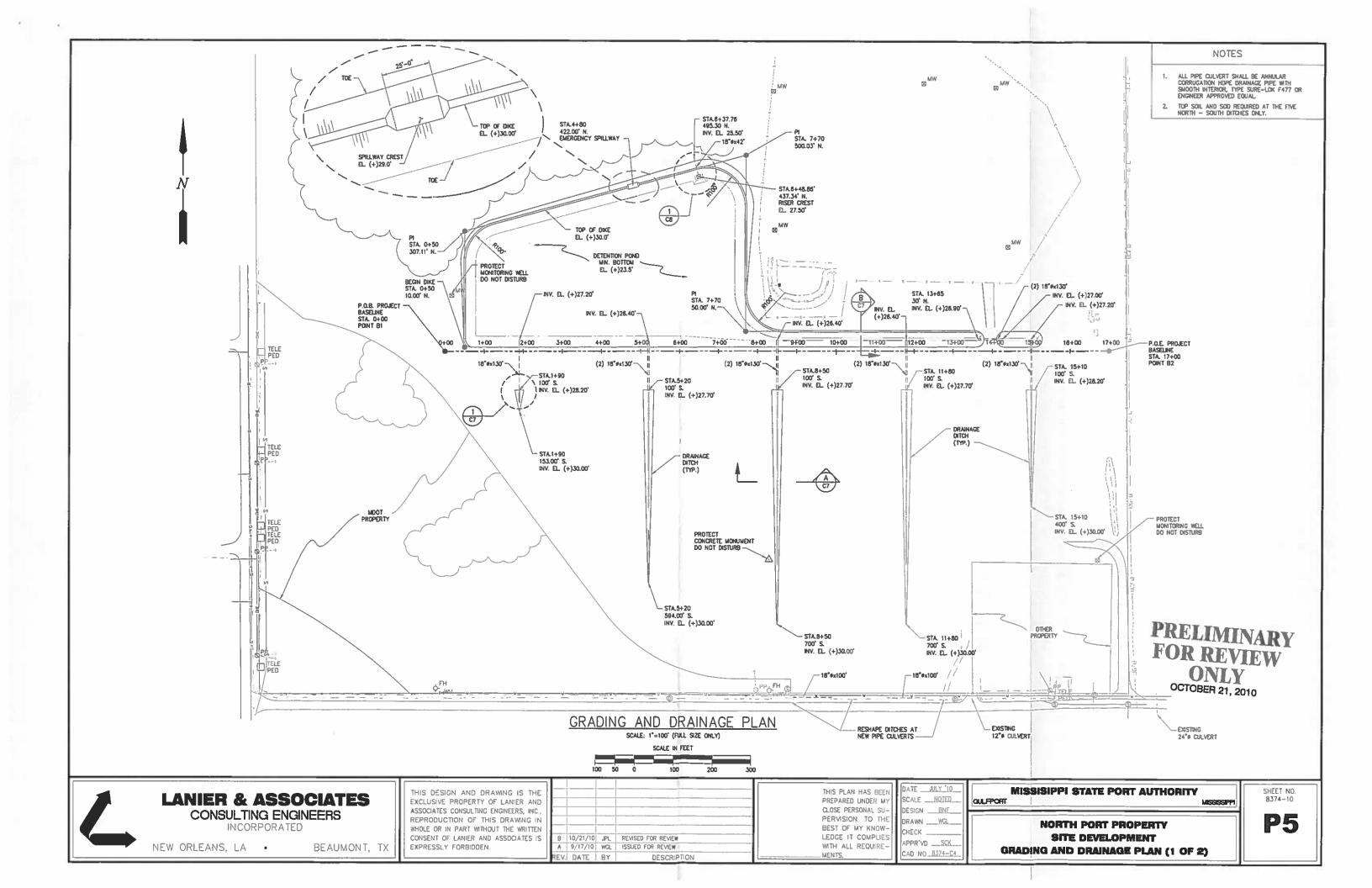
PROJECT WORK POINTS & SURVEY CONTROL					
POINT	NORTHING EASTING ELEVATION		POINT DESCRIPTION		
BASELINE POINT BI	324723.50	899726.42	N/A	NOT A PHYSICAL POINT	
BASELINE POINT 82	324729.10	901426,41	N/A	NOT A PHYSICAL POINT	
CONTROL POINT CI	324720.45	899724.14	29.20	1/2° IRON ROD	
CONTROL POINT C2	324731.35	901418.70	30.92	1/2" IRON ROD	
CONTROL POINT C3	324191.86	900557.80	30.86	1/2" IRON ROD IN CONCRETE	

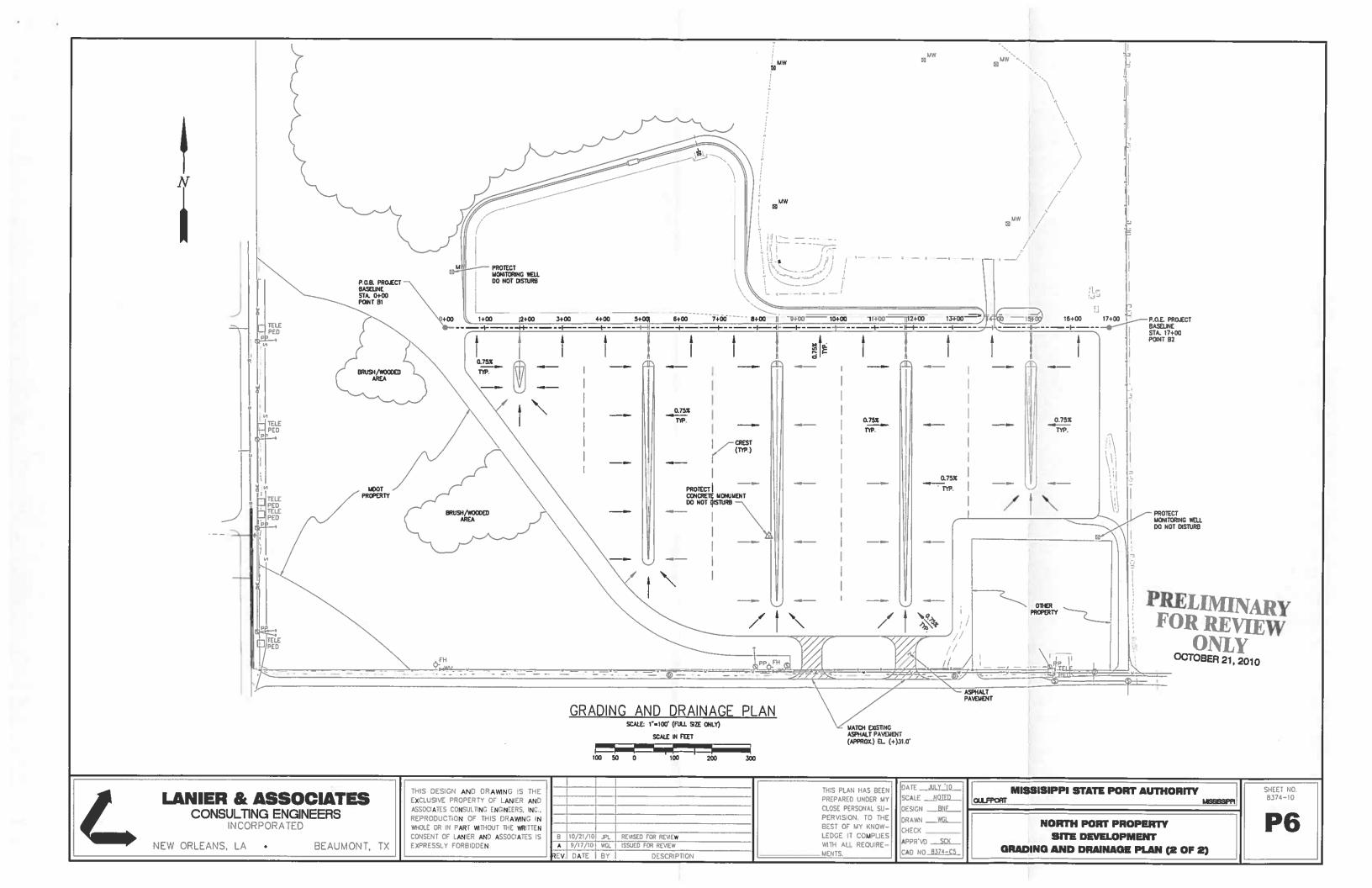
# **MISSISIPPI STATE PORT AUTHORITY**

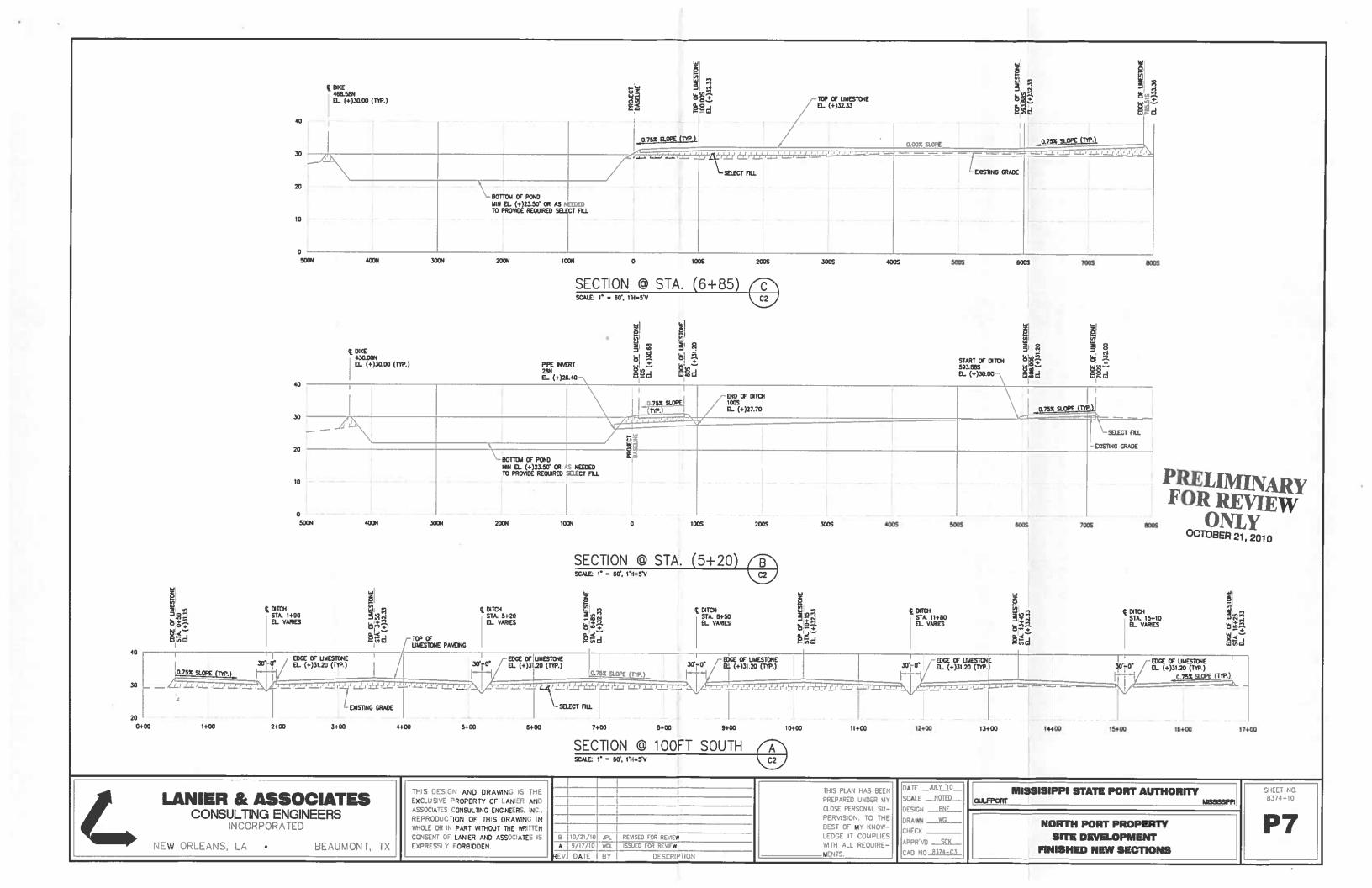
### NORTH PORT PROPERTY SITE DEVELOPMENT GENERAL LAYOUT & SURVEY CONTROL

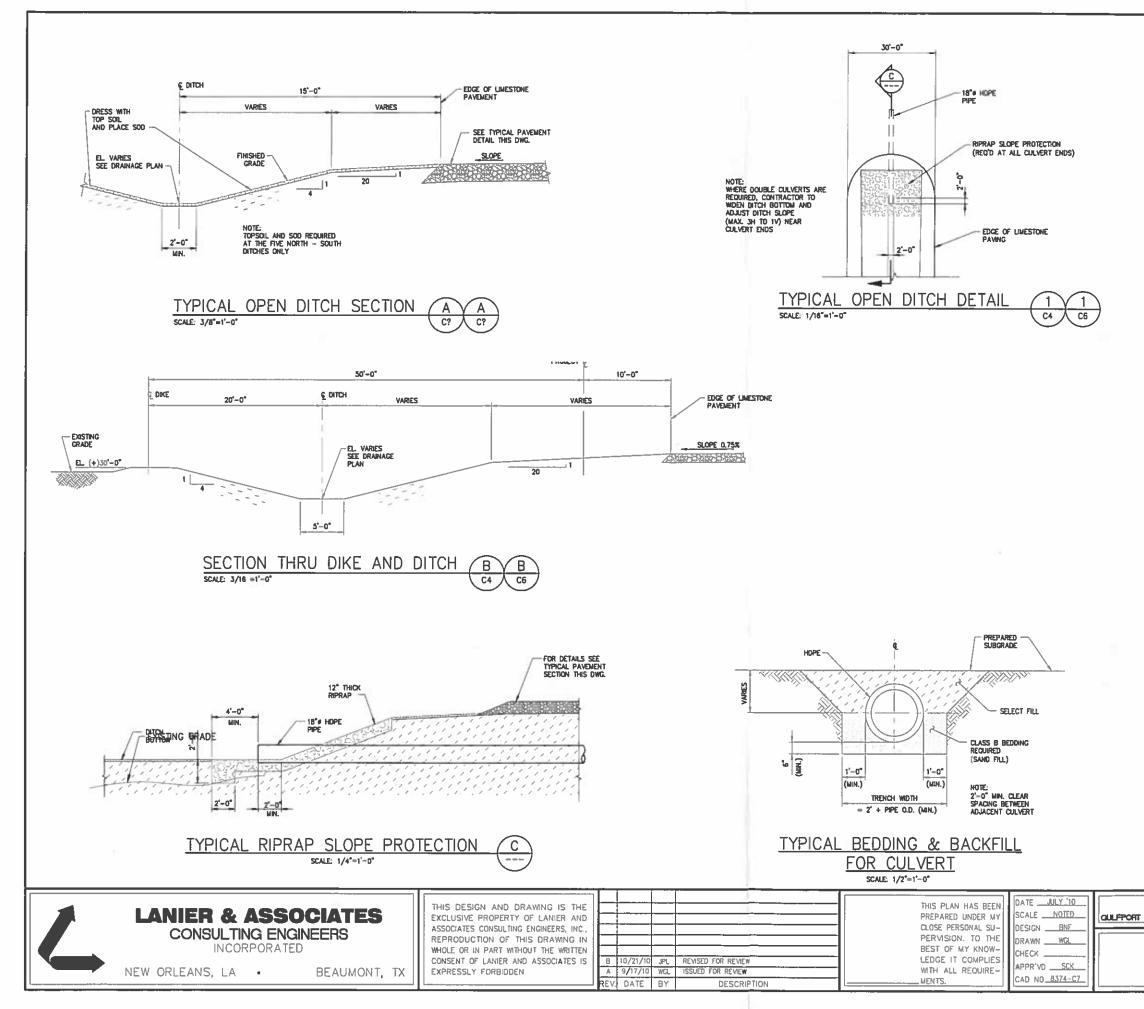


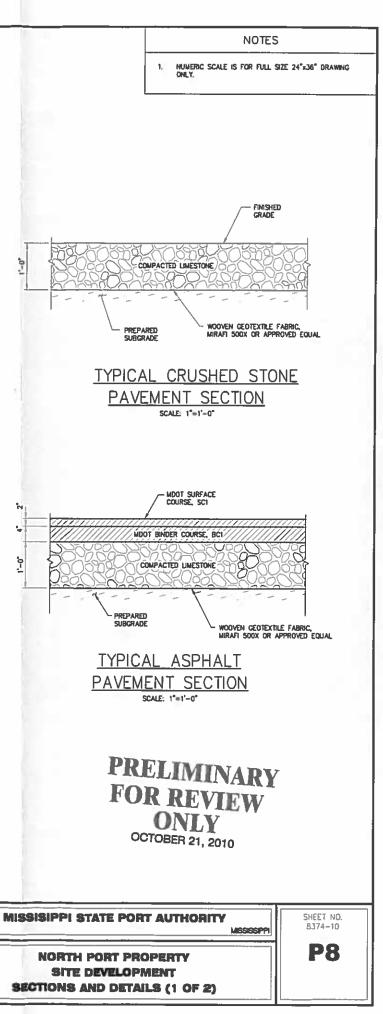


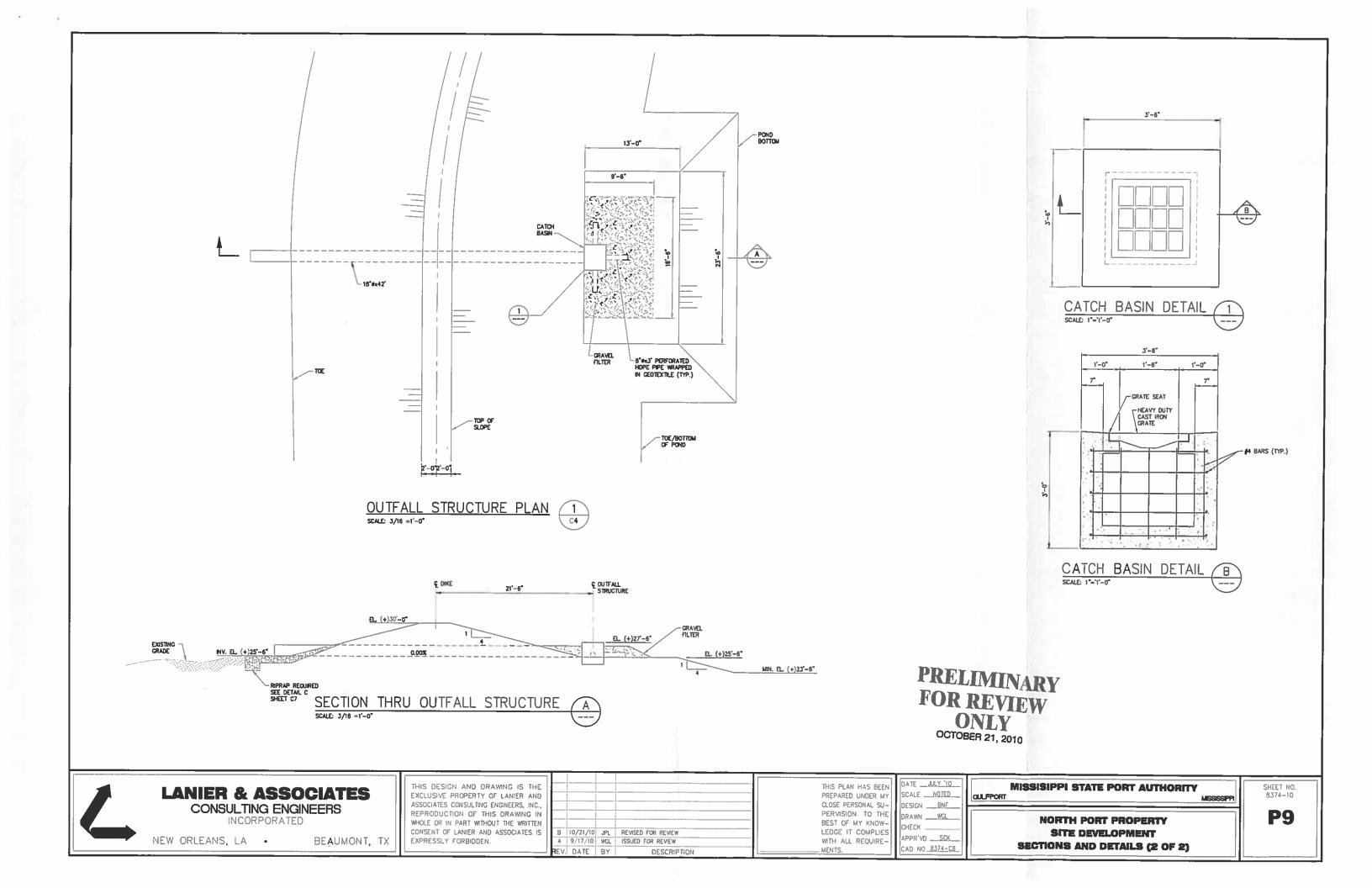


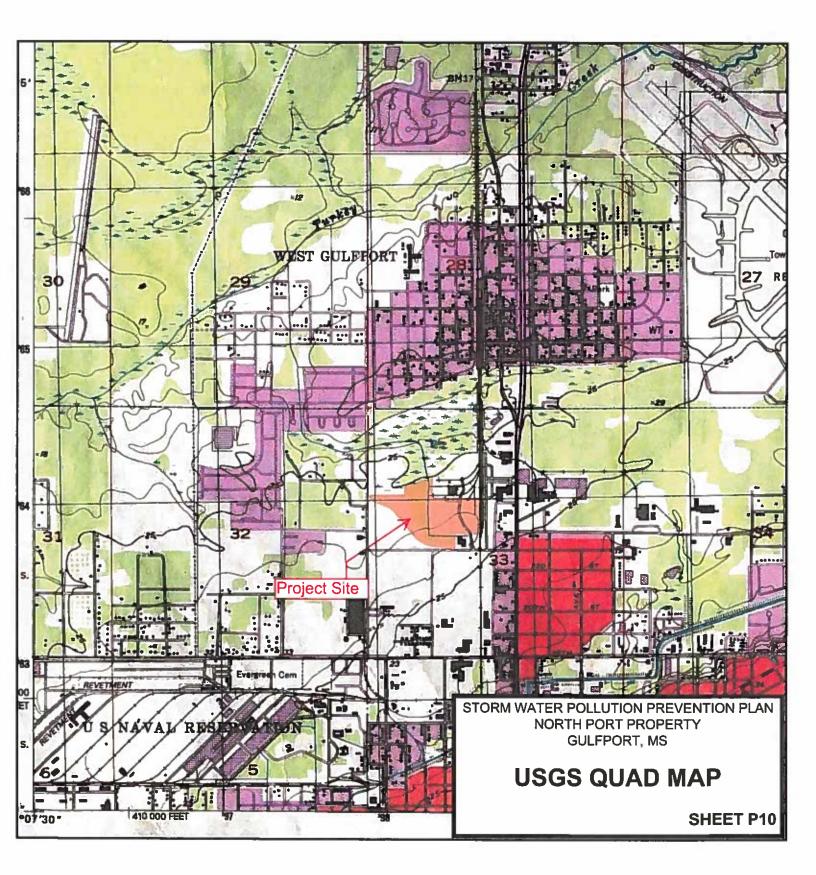












# APPENDIX A INSPECTION & MONITORING FORMS

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

# INSPECTION AND CERTIFICATION FORM FOR EROSION AND SEDIMENT CONTROLS

All coverage recipients and individual lot owners who have completed the "Registration Form for Residential Lot Coverage" shall use this form to record site inspections. Individual lot owners are not required to fill in the General NPDES Permit Coverage Number requested below. Inspections must be performed weekly and certified monthly.

<b>Construction Storm</b>	Water General NPDES Permit Coverage No. MSR10	_ County:
	(Fill in your Certificate of Coverage Number & County where Project i	s Located)
	(Please Print)	

Owner and/or Prime Contractor:			. <u>.</u>
Project Name:			
Street Address:	····	·	
City:			
	Insp	ection Log	
Date and Time	Rain Gauge Measurement (inches) (Optional)	Any Deficiencies Observed? Yes or No	Inspector(s)
Deficiencies Noted During any Inspect	ion (give date(s); attach additional sheets	if necessary):	
Corrective Action Taken or Planned (g	ive date(s); attach additional sheets if neo	cessary):	

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 filed with the Office of Pollution Control and sound engineering practices as required by the above referenced permit.

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 Name (Print)

Date

# **MAJOR MODIFICATION FORM**

LARGE CONSTRUCTION STORM WATER GENERAL NPDES PERMIT MSR10



# INSTRUCTIONS

Coverage recipients shall notify the Mississippi Department of Environmental Quality of plans to expand the "footprint" of an existing project or add subsequent phases. This form and a modified Storm Water Pollution Prevention Plan (SWPPP), including COE Section 404, dam safety, and wastewater collection and treatment information, must be submitted when:

- SWPPP details have been developed and are ready for MDEQ review for subsequent phases of an existing, covered project.
- The "footprint" identified in the original Notice of Intent and SWPPP is proposed to be enlarged.

This form must be signed by the original coverage recipient under Mississippi's Large Construction Storm Water General Permit. A different developer of new phases of existing projects must apply for separate permit coverage. Coverage recipients are authorized to discharge storm water associated with proposed expansions of existing projects or subsequent phases, under the conditions of the General Permit, <u>only upon receipt of written notification of approval by the MDEO</u>. All other modifications, such as changes of erosion and sediment controls used, must be in accordance with ACT 7, S-1 (4) of Mississippi's Large Construction Storm Water General Permit.

# **COVERAGE RECIPIENT INFORMATION**

COVERAGE RECIPIENT CONTACT PERSON:			
COMPANY NAME:			_
STREET OR P.O. BOX:			
CITY:	STATE:	ZIP:	_
PHONE # (INCLUDE AREA CODE):			
PROJ	ECT INFORMATION		
		20 C	

CONSTRUCTION STORM WATER GENERAL PERMIT COVERAGE NUMBER: $MSR10$				
ADDITIONAL ACREAGE TO BE DISTURBED:				
PROJECT NAME:				
CITY:	_ COUNTY:			

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

Signature (must be signed by coverage recipient)

Date

Title

Printed Name

Please submit this form to:

Chief, Environmental Permits Division MS Department of Environmental Quality, Office of Pollution Control P.O. Box 10385 Jackson, Mississippi 39289-0385

# **INSPECTION SUSPENSION FORM**

## UNDER LARGE CONSTRUCTION STORM WATER

# **GENERAL NPDES PERMIT MSR10**

### **INSTRUCTIONS**

Coverage recipients under Mississippi's Large Construction Storm Water General Permit may temporarily suspend required weekly inspections of erosion and sediment controls by submission of this form. Inspections may be suspended only when land disturbing activities have ceased, no further land disturbing activities are planned for a period of at least 6 months, the site is stable with no active erosion, and vegetative cover has been established. The coverage recipient is responsible for all permit conditions during the suspension period and nothing in this condition shall limit the rights of the MDEQ to take enforcement or other actions against the coverage recipient. Once land disturbing activities resume, the MDEQ must be notified and all inspections and record keeping required by the permit must also resume. Color photographs, representative of the construction site, must be submitted with this form.

## **COVERAGE RECIPIENT INFORMATION**

COVERAGE RECIPIENT CONTACT PERSON:			
COMPANY NAME:		-	
STREET OR P.O. BOX:			
CITY:	STATE:	ZIP:	
PHONE # (INCLUDE AREA CODE):			

# **PROJECT INFORMATION**

CONSTRUCTION STORM WATER GENERAL PERMIT COVERAGE NUMBER: $MSR10$				
PROJECT NAME:				
CITY:	COUNTY:			

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. I further certify that: land disturbing activities have ceased, no further land disturbing activities are planned for a period of at least 6 months, the site is stable with no active erosion, and vegetative cover has been established.

Signature (must be signed by coverage recipient)

Printed Name

Please submit this form to:

Chief, Environmental Permits Division MS Department of Environmental Quality, Office of Pollution Control P.O. Box 10385 Jackson, Mississippi 39289-0385



Date

Title

Constructi	on Storm W (F	ater General NPDES Permit No. MSR10 ill in your certificate of coverage number & county (Please Print)	where pro	County:
Owner Name:				596
Company Name:				
	City:		State	Zip
	Tel. # (	_)		
Prime Contractor Name		:		
	City:		State	Zip
	Tel. #: (			_
Project Name:				
Physical Project Locatio				
			County:	

Date of successful completion of all permanent erosion and sediment controls (site stabilized):

**RESIDENTIAL SUBDIVISIONS:** Has another owner(s) or operator(s) assumed control over all areas of the site that have not reached final stabilization? Yes No. If no, you may not terminate until all areas have been stabilized. If yes, a copy of the Registration Form for Residential Lot Coverage for each lot or out parcel that has been sold and site map showing which lots have been sold must be submitted with the Notice of Termination of Coverage.

**COMMERCIAL DEVELOPMENT:** Has another owner(s) or operator(s) assumed control over all areas of the site that have not reached final stabilization? I Yes No. If no, you may not terminate until all areas have been stabilized. If yes, a copy of site map showing which out-parcels have been sold must be submitted with the Notice of Termination of Coverage.

**CERTIFICATION:** Based upon inspection(s) of the permitted site which I or personnel under my direct supervision conducted, I certify under penalty of law that construction or disturbance activities have ceased, all erosion and sediment controls have been implemented and maintained, that disturbed soils have been stabilized, all temporary erosion and sediment control measures have been removed and all permanent erosion and sediment controls have been successfully completed. I understand that by submitting this notice of termination, that I am no longer authorized to discharge storm water associated with construction activity by Mississippi's Construction NPDES Storm Water General Permit, and that discharging pollutants in storm water associated with construction activity, not authorized by coverage under Mississippi's Construction NPDES Storm Water General Permit, to waters of the United States is unlawful under the Clean Water Act. I also understand that the submittal of this notice of termination does not release an operator from liability for any violations of Mississippi's Construction NPDES Storm Water General Permit or the Clean Water Act. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Permittee/Authorized Name [Print]	() Telephone Number	Signature	Date
This form shall be submitted to:	Chief, Environmental Permits D Mississippi Department of Envir P.O. Box 10385 Jackson, Mississippi 39289-038	conmental Quality, Office of Pollution Control	1