ENGINEERING XCELLENCE
WITH KRIS RIEMANN & ASSOCIATES

Robert K. Riemann, P.E.
President/Owner

3103 5TH Avenue, Suite B
Gulfport, MS 39501
Phone: 228-518-2980

March 11, 2024

Mr. Bradley Crain, P.E.
Mississippi Department of Environmental Quality
Office of Pollution Control
P.O. Box 2261
Jackson, MS 39225
Phone: (601) 961-5177
Email: bcrain@mdeq.ms.gov

Re: Summerfield Estates Subdivision - 104 Lots - Sewer Extension Located at Dedeaux Road and Tanner Road – Large Construction Storm Water Permit – Approval Needed

Dear Mr. Crain:

Attached is a copy of the construction plans, SWPPP plan, HCUA approval letter, and the application for the above referenced project.

This has been approved by the Harrison County Utility Authority and is to be approved by MDEQ and returned at your earliest convenience.

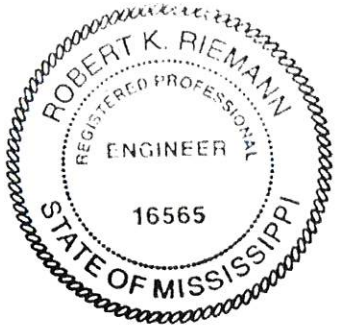
Thanks for your help with this and let us know if you have any questions or if any changes are needed.

If you need any further information or have any questions, please contact me at (228) 518-2980 or kris@engineeringxcellece.com.

Sincerely,

Robert K. Riemann

Robert K. Riemann, P.E.
President/Owner
Engineering Xcellence, PLLC



AI: 86021

Rec'd via hard copy: 03/13/2024

MSR10 9226

(NUMBER TO BE ASSIGNED BY STATE)

APPLICANT IS THE: ☑ **OWNER** ☑ **PRIME CONTRACTOR**

OWNER CONTACT INFORMATION

OWNER CONTACT PERSON: Nelson W. Carr

OWNER COMPANY LEGAL NAME: Blessed Investments Team, LLC

OWNER STREET OR P.O. BOX: P.O. Box 2353

OWNER CITY: Gulfport **STATE:** MS **ZIP:** 39505

OWNER PHONE #: (228) 860-2203 **OWNER EMAIL:** wcbuildersms@gmail.com

PRIME CONTRACTOR CONTACT INFORMATION

PRIME CONTRACTOR CONTACT PERSON: Nelson W. Carr

PRIME CONTRACTOR COMPANY LEGAL NAME: WC Builders

PRIME CONTRACTOR STREET OR P.O. BOX: P.O. Box 2353

PRIME CONTRACTOR CITY: Gulfport **STATE:** MS **ZIP:** 39505

PRIME CONTRACTOR PHONE #: (228) 860-2203 **PRIME CONTRACTOR EMAIL:** wcbuildersms@gmail.com

FACILITY SITE INFORMATION

FACILITY SITE NAME: Summerfield Estates Subdivision - Phase 1

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: 13184 Holliman Road

CITY: Gulfport STATE: MS COUNTY: Harrison ZIP: 39503

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

LATITUDE: 30 **degrees** 28 **minutes** 30.5N **seconds** **LONGITUDE:** -89 **degrees** 03 **minutes** 34.7W **seconds**

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

TOTAL ACREAGE THAT WILL BE DISTURBED ±: 43.22 +/-

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: 2024 - 7-15 (YYYY-MM-DD)

ESTIMATED CONSTRUCTION PROJECT END DATE: 2024 - 7-15 (YYYY-MM-DD)

DESCRIPTION OF CONSTRUCTION ACTIVITY: Clearing,Grubbing,Water/Sewer Install; Sub-Surf. Drainage

PROPOSED DESCRIPTION OF PROPERTY USE AFTER CONSTRUCTION HAS BEEN COMPLETED:
104 Lot Residential Subdivision

SIC Code 9 5 3 2 **NAICS Code** 2 3 7 2 1 0

o.c

NEAREST NAMED RECEIVING STREAM: Bernard Bayou/Back Bay Biloxi

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☐

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

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

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? YES☐ NO☐

[1]Acreage for subdivision development includes areas disturbed by construction of roads, utilities and drainage. Additionally, a housesite of at least 10,000 ft^2 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? (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 WITH WHICH THE PROJECT MUST COMPLY:

City of Gulfport Mississippi Stormwater Ordinance

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[1] (owner or prime contractor)

12/ FEB 2024

Date Signed

Nelson W. Carr

Printed Name[1]

Owner

Title

[1]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: Nelson W. Carr **PHONE NUMBER:** (228) 860-2203

PRIME CONTRACTOR COMPANY: WC Builders

PRIME CONTRACTOR STREET (P.O. BOX): P.O. Box 2353

PRIME CONTRACTOR CITY: Gulfport **STATE:** MS **ZIP:** 39503

E-MAIL ADDRESS: wcbuildersms@gmail.com

OWNER INFORMATION

OWNER CONTACT PERSON: Same as above **PHONE NUMBER:** (___)_____

OWNER COMPANY NAME: _____

PROJECT INFORMATION

PROJECT NAME: Summerfield Estates Subdivision - Phase 1

DESCRIPTION OF CONSTRUCTION ACTIVITY: Clearing, Grubbing, Water/Sewer Installation, Sub-Surface Drainage.

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: 13184 Holliman 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[1] — **Date Signed** 12/ FEB 2024

Nelson W. Carr — **Printed Name**[1]

Owner — **Title**

[1]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

Revised: 10/25/16

F0108
Fee: $

Michael Watson
SECRETARY OF STATE

2024081895

Business ID: 1073742
Filed: 02/05/2024 07:38 PM
Michael Watson
Secretary of State

P.O. BOX 136
JACKSON, MS 39205-0136
TELEPHONE: (601) 359-1633

2024 LLC Annual Report

Business Information

Business ID: 1073742
Business Name: Blessed Investments Team, LLC
State of Incorporation: MS
Business Email: wcbuildersms@gmail.com
Phone: (***)***-****
FEIN: **-*******

Principal Address: 16127 Orange Grove Rd
Gulfport, MS 39503

Registered Agent

Name: Laura F. Paulk
Address: 16127 Orange Grove Road
Gulfport, MS 39503

Managers and Members

Members

Name:	***Address:***
Wayne Carr *Member*	P O Box 2353 Gulfport, MS 39503

Officers

Title/Name:	***Address:***	***Director:***
President:		☐
Vice President:		☐
Secretary:		☐
Treasurer:		☐

☑ This LLC has a written Operating Agreement.

NAICS Code/Nature of Business

237210 - Land Subdivision

531190 - Lessors of Other Real Estate Property

236220 - Commercial and Institutional Building Construction

Signature

By entering my name in the space provided, I certify that I am authorized to file this document on behalf of this entity, have examined the document and, to the best of my knowledge and belief, it is true, correct and complete as of this day ***02/05/2024***.

Name:

Nelson Wayne Carr

Other

Address:

P O Box 2353

Gulfport, MS 39505

Officers List

Name:	*Address:*
Laura F. Paulk, PLLC *Organizer*	16127 Orange Grove Road Gulfport, MS 39503
Wayne Carr *Member*	P O Box 2353 Gulfport, MS 39503

ENGINEERING XCELLENCE
WITH KRIS RIEMANN & ASSOCIATES

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

FOR

SUMMERFIELD ESTATES SUBDIVISION

IN

GULFPORT, MS

PREPARED BY:
ENGINEERING XCELLENCE, PLLC.
3103 5TH AVENUE, SUITE B
GULFPORT, MS 39501
Office (228) 518-2980
kris@engineeringxcellence.com

FEBRUARY 2024

STORMWATER POLLUTION PREVENTION PLAN

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EXECUTIVE SUMMARY

Engineering Xcellence with Kris Riemann & Associates, PLLC.., has prepared this Stormwater Pollution Prevention Plan (SWPPP) for Summerfield Estates Subdivision in Gulfport, Mississippi more specifically being the Northeast Quarter and the Southeast Quarter of the Southwest Quarter of Section 35, Township 6 South, Range 11 West, Harrison County, Mississippi. The plan 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. TMDLs have been developed for Bernard Bayou/Biloxi Back Bay for: pathogens, total toxics chronic, total toxics acute, nutrient pollutants, phenols, organic enrichment/low-dissolved oxygen. This is noted in the SWPPP as well as BMPs used to prevent further impairment. This plan is being prepared to accompany an LCNOI in accordance with the General Permit.

This report is divided into parts and provides the user with the information relating to the measures to be taken by the contractor to control the stormwater discharges during the construction phase of the project. A summary of the information presented in each section is as follows:

- **Part 1.0** Introduction - outlines the detailed location of the project, scope of the project and the purpose of the plan.
- **Part 2.0** Construction Activities - provides detailed information regarding the construction activities and measures to be taken by the contractor both during and after construction to ensure proper management of the stormwater generated on site.
- **Part 3.0** Post-Construction Stormwater Management - outlines the post-construction stormwater practices and controls for this project.
- **Part 4.0** Maintenance / Inspection Procedures - presents information about the maintenance and inspection procedures to be used for this project.
- **Part 5.0** Material Management / Spill Prevention - outlines the material management practices and spill prevention measures for the project.
- **Part 6.0** Requirements for Lots in Residential Subdivision which are covered by the Large Construction Storm Water General Permit – outline the steps for stormwater practices and controls for the individual lots..
- **Part 7.0** Total Maximum Daily Load (TMDL) Requirements for Bernard Bayou – Identifies the necessary steps to protect Bernard Bayou from Pollution

Appendices:

Appendix I	Vicinity Map (USGS Quadrangle Map)
Appendix II	Site Plan
Appendix III	Erosion Control Plan
Appendix IV	Erosion Control Construction Details
Appendix V	County Utility Authority Approval

STORMWATER POLLUTION PREVENTION PLAN
SUMMERFIELD ESTATES SUBDIVISION
GULFPORT, MISSISSIPPI

1.0 INTRODUCTION

Blessed Investment Team, LLC. (Summerfield Estates) proposes to build a new subdivision on approximately 43.22 acres (0.00 acres disturbed) in the Northeast Quarter and the Southeast Quarter of the Southwest Quarter of Section 35, Township 6 South, Range 11 West, Harrison County, Mississippi. The project is located at 30.476 and -89.059 degrees. The project will utilize surface drainage and subsurface drainage to manage stormwater both during and after construction. The purpose of this plan (SWPPP) is to accompany the LCNOI and outline the minimum standards, practices, and requirements necessary for the contractor to meet requirements of the Environmental Protection Agency (EPA) and Mississippi Department of Environmental Quality (MDEQ) regarding treatment and discharge of stormwater.

2.0 CONSTRUCTION STORMWATER MANAGEMENT ACTIVITIES

Major construction activities associated with the project will include, but not necessarily be limited to clearing and grubbing, earth moving, site grading, installation of subsurface drainage and utilities (including dewatering), a new asphalt road, grassing and ancillary construction.

2.1 Sequence of Major Construction Activities

Major 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. Clearing & Grubbing;
2. Installation of temporary erosion control devices at appropriate times;
3. Installation of site drainage (including stormwater detention basins) & utilities;
4. Earth moving activities / rough grading;
5. Final grading;
6. Paving;
7. Installation of landscaping and grass planting;

8. Grow in of landscaping and grassing; and
9. Cleaning and/or removal of temporary erosion control devices.
10. Requirements for Lots in Residential Subdivision which are Covered by the Large Construction Storm Water General Permit
11. TOTAL MAXIMUM DAILY LOAD (TMDL) Requirements for Bernard Bayou

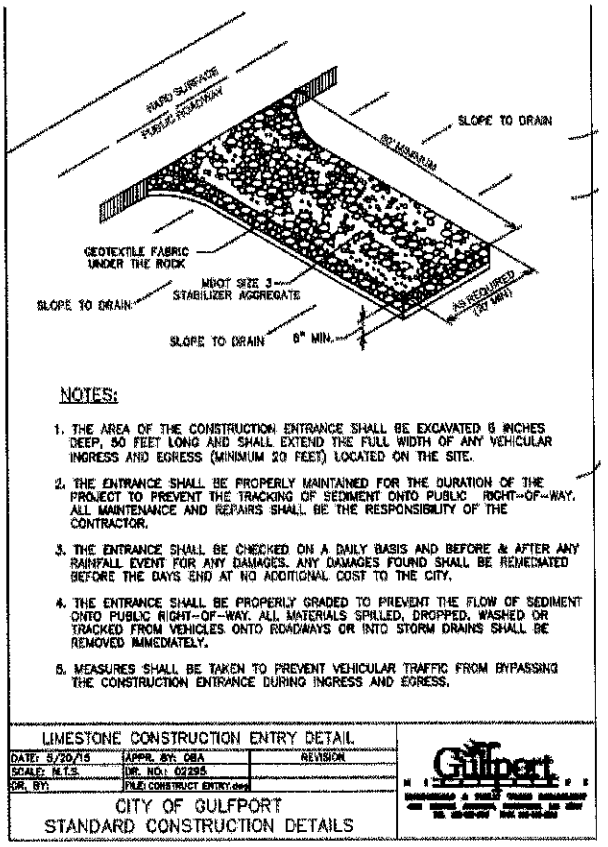
2.2 Timing of Control Measures

Major stormwater control structures will be completed before any grading or demolition activities are initiated. Areas which have been disturbed by construction activities will be stabilized to prevent erosion and sedimentation. Once site construction is complete, the entire site will be stabilized with permanent seed, sod, and/or paving.

Construction activities for this project may be implemented in phases. Erosion control measures will be installed for each phase prior to beginning work in that phase.

2.3 Stabilization Practices

Construction entrances and all interior construction areas will be monitored for excessive buildup of mud and/or dirt from the site. Disturbed areas of the site and stockpiled soil will be stabilized with temporary seed and mulch as needed. Silt fence will be placed at openings of inlets and flared end sections to filter sediments. Disturbed areas of the site where construction activities have permanently ceased will be stabilized with permanent seed, sod, or pavement immediately after the last construction activity. **This detail is of the construction entrance.**



2.4 Grading Activities

Land grading activities will include cut and fill. Most of the grading will occur during the first month of construction and will be focused on shaping the

site to final grades. Construction entrances will be installed and maintained to minimize off-site sedimentation resulting from vehicle tracking.

2.5 Erosion and Sediment Controls

During construction, care will be taken to manage stormwater, and the owner will implement appropriate erosion and sediment control to retain sediment on site. The objective of the plan will divert upslope water around disturbed areas, limit exposure of disturbed areas to the shortest time possible, disturb the smallest area possible, preserve vegetation where possible, and slow rainfall runoff velocities to prevent erosion. A variety of vegetative and structural controls will be used.

2.5.1 Vegetative Controls

Construction will proceed in a planned sequence, and every attempt will be made to preserve existing vegetation to reduce erosion. All disturbed sites, where construction activities will not resume for a period of fourteen (14) calendar days or more, will be managed and re-vegetated no later than the next work day following clearing, grading, grubbing, excavating, and all other land disturbed areas. Where applicable, disturbed areas will be stabilized by temporary seeding, permanent seeding, mulching, sod stabilization, and/or vegetative buffer zones.

2.5.1.1 Temporary Seeding

Temporary seeding will be applied no later than the following work day to soils that remain stockpiled to disturbed areas that remain undisturbed for fourteen (14) or more calendar days These areas will be planted in accordance with the planting schedule, rate of application, and planting preparation outlined in the Mississippi Department of Environmental Quality (MDEQ) seeding chart.

Seeding Chart for the State of Mississippi

SPECIES	SEEDING RATE/ACRE	PLANTING TI M E	DESIRED pH RANG E	FERTILIZATION RATE/ACRE	M ETHOD OF ESTABLISH M ENT	ZON E OF ADAPT-ABI LITY [1]
Common Bermuda	15 lbs. alone 10 l bs. mixture	*311 - 7115* *911* - 1 1/30	6.0 - 7.0	600 lbs. 13-13-13	seed or sod	All
Ba hia	40 lbs. alone	3/1 - *7115* *911 - 1 1130*	6.0 - 7.0	600 lbs. 13-13-13	seed	Central

	30 l bs. mixture					South
Fescue	40 lbs. alone 30 l bs. mixture	*911 - 1 1130*	6.0 - 7.0	600 l bs. 13-13-13	seed	North Central
Saint Augustine	--	*311 - 711 5*	6.0 - 7.0	600 1 bs. 1 3-13-13	sod on lv	Central South
Centipede	4 lbs. alone 2.5 l bs. mix	*311 - 7115*	6.0 - 7.0	600 lbs. 13-13-13	seed or sod	Al l
Carpet Grass	15 lbs. alone 10 lbs. mi xtu re	*311 - 711 5*	6.0 - 7.0	600 lbs. 13-13-13	seed or sod	All
Oysia Grass	--	3/1 - 7115	6.0 - 7.0	600 l bs. 13-13-13	sod onlv	All
Creeping Red Fescue	30 lbs. alone 22.5 lbs. mix	*911* - 1 1/30	6.0 - 7.0	600 l bs. 13-13-13	seed	Al l
Weeping Lovegrass	10 l bs. alone 5 lbs. mi x	3/1 - 7/15	6.0 - 7.0	600 l bs. 13-13-13	seed	A ll
Sericca Lespedeza	40 l bs.	*311 - 7115* *911* - 1 1130	6.0 - 7.0	400 lbs. 6-24-24	seed	All
*Wheat	90 lbs. alone	9/1 - 1 1130	6.0 - 7.0	600 lbs. 13-13-13	seed	A l l
;, Ryegrass	30 l bs.	*911* - 1 1/30	6.0 - 7.0	600 lbs. 13-13-13	seed	A l l
*White Clover	5 lbs.	9/1 - *1 1130*	6.0 - 7.0	400 l bs. 6-24-24	seed	All
*Crimson Clover	25 lbs. alone 15 l bs. mix	9/1 - *1 1130*	6.0 - 7.0	400 lbs. 6-24-24	seed	All
*Hairy Vetch	30 l bs.	9/1 - 1 1130	6.0 - 7.0	400 l bs. 6-24-24	seed	All
*Browntop Millet	40 lbs. alone 15 l bs. mix	4/1 - 8/30	6.0 - 7.0	600 l bs. 13-13-13	seed	All

2.5.1.2 Permanent Seeding

Permanent seeding will be established on disturbed surfaces along the access road and project site upon final grading and other activities.

2.5.1.3 Sod Stabilization

If called for on the plans, sod will be provided at appropriate places within the project site upon completion of final grading and other activities.

2.5.2 Structural Controls

In addition to the vegetative practices referenced above, certain structural erosion control measures shall be implemented as needed. These measures include diverting flows from exposed soils, or otherwise limiting runoff from exposed areas. Other structural devices will include straw wattles, silt fence, and rock check dams. Seeding or sodding shall follow as soon as practical, but no more than 7 days after the last earthmoving activity.

2.5.2.1 Stabilized Construction Entrance / Exit

Stabilized construction entrances will be installed to help reduce the vehicular tracking of sediments onto public roads. These stabilization areas will consist of a layer of natural stone or other acceptable material to a depth of at least six (6) inches and a length of at least fifty (50) feet prior to the intersection of any public road.

2.5.2.2 Silt Fencing and Sediment Barriers

Silt fencing and sediment barriers will be installed to intercept and detain sediment from disturbed areas during construction activities. Silt fencing will consist of synthetic fabric or burlap and will be attached to supporting posts and entrenched. Sediment barriers will be constructed of staked straw bales, filter fabric, natural stone, concrete riprap, straw wattles, 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 stormwater drainage. Silt fencing and sediment barriers will not be installed in live streams or in areas where surface flow is anticipated to exceed 1 cfs.

2.5.2.3 Riprap Channel & Outlet Protection

Riprap outlet protection will be placed at the outlet end of culverts or alongside slopes of channels located throughout the project site and as indicated on the plans.

2.5.2.4 Temporary Sediment Basins

Temporary sediment basins will be constructed at locations indicated on the plans and will allow sediment contained in stormwater runoff to be deposited prior to being discharged from the site. Once temporary sediment basins are one-half (50%) full, the sediments shall be removed from the basin. Permanent stormwater basins shall be utilized as temporary sedimentation basins during construction.

2.5.2.5 Other Structural Controls

Other structural controls may be implemented into the erosion control plan and the required materials, objectives and details will be indicated in the plans.

2.6 Dewatering activities

Non-stormwater discharges including the following are prohibited:

- Wastewater from washout of concrete (unless manages by an appropriate control)
- Wastewater from washout and cleanout of stucco, paint, from releasing oils, curing compounds and other construction materials
- Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance
- Soaps or solvents used in vehicle and equipment washing
- Wastewater from Sanitary facilities, including portable toilets
- Dewatering activities, including from dewatering of trenches and excavations unless managed by Best Management Practices (BMPs)

3.0 POST-CONSTRUCTION STORMWATER MANAGEMENT

Post-construction stormwater management will be accomplished through the use of surface drainage and subsurface drainage. Regular maintenance (including grass mowing), cleaning, and inspections will be conducted every six (6) months to ensure the subsurface drainage system operates at maximum efficiency.

4.0 MAINTENANCE / INSPECTION PROCEDURES

All stormwater control measures outlined above will require routine inspection and periodic maintenance during the duration of construction. The contractor will be required to inspect all stormwater control devices on a scheduled basis and perform all necessary maintenance measures to ensure their proper function during construction activities.

4.1 Construction Inspection and Maintenance Practices

In order to ensure the effectiveness of the erosion and sediment control practices incorporated into this plan, the contractor will inspect and maintain the stormwater control devices referenced above during construction of the project. These devices will be inspected and maintained as follows:

1. All erosion and sediment control measures will be inspected at least once each week for a minimum of four inspections per month and following any rain events that produce a discharge.
2. All measures will be maintained in good working order and repaired within twenty-four (24) hours of any reported problem unless prevented by unsafe weather conditions as documented on the inspection form.
3. Sediment buildup behind silt fences or barriers will be removed when it has reached one-half (1/2) of the height of the barrier.
4. Silt fences and silt barriers will be inspected for depth of sediment, tears, breaches, and general integrity on a weekly basis.
5. A maintenance inspection report will be made after each inspection and filed on the job site by the site contractor.
6. MDEQ strongly recommends that coverage recipients perform a "walk through" inspection of the construction site daily to ensure controls are in place and will function properly.

4.2 Post-Construction Inspection and Maintenance Practices

Upon completion of construction, and in order to ensure the effectiveness of the drainage system and stormwater management features described in this plan, the owner/developer will inspect the stormwater system as part of its overall site inspection and maintenance program. The system will be inspected and maintained as follows:

1. Yard and lawn areas will be maintained by regular mowing during the growing season to keep grass to an acceptable length.

2. Every six (6) months, ditches, swales, inlets, drainage culverts, stormwater basins will be inspected. Any ditches, swales or culverts that have become overgrown or clogged will be corrected within 72 hours.
3. Any areas of the site that show signs of erosion will be grassed by seeding or sodding and stabilized within seven (7) days.
4. Stormwater basins will be inspected for stable banks or side slopes, deposition of sediment and overgrowth of vegetation. Once sediment deposits take up 10% of the designed volume of a detention basin, the sediment will be removed and the basin restored to its designed volume. All deficiencies in overgrowth of vegetation, instability of erosion of side slopes or loss of volume due to sediment will be corrected within seven (7) days.
5. A maintenance inspection report will be made after each inspection and filed on the site by the owner/developer.

5.0 MATERIAL MANAGEMENT PRACTICES / SPILL PREVENTION

In addition to the erosion and sediment control measures that will be implemented both during and after construction, the owner/developer will require certain material management and spill prevention measures to prevent impacts to water quality.

5.1 Good Housekeeping

The following good housekeeping practices will be followed on site during the construction project:

1. All materials stored on site will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.
2. Products will be kept in their original containers with the original manufacturer's label.
3. Manufacturer's recommendations for proper use and disposal will be followed.
4. The site superintendent will inspect the site on a daily basis to ensure proper use and disposal of materials on site.

After construction, the developer will utilize good housekeeping practices to prevent the accidental release of contaminants and/or pollutants from entering the surrounding surface waters.

The owner or operator shall provide a description of procedures for the following:

1. Sweeping or removal of sediment and other debris that has been tracked from the site or deposited from the site onto streets and other paved surface;
2. Removal of sediment or other pollutants that have accumulated in or near any sediment control measures, storm water conveyance channels, storm drain inlets, or water course conveyance within the construction site, and;
3. Removal of accumulated sediment that has been trapped by sediment control measures at the site, in accordance with applicable maintenance requirements covered under this permit.

5.2 Spill Control Practices

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

1. All spills will be cleaned up immediately after discovery.
2. Spills of toxic or hazardous materials will be reported to the appropriate government agency.
3. Materials and equipment necessary for spill cleanup will be kept in the material storage area on site. Equipment and materials will include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, absorbent material, sand, sawdust, and plastic and metal trash containers.

5.3 Waste Disposal

All waste materials will be collected and stored in a covered metal dumpster provided by a licensed solid waste management company in Harrison County, Mississippi. All construction debris and trash will also be deposited in the dumpster. No construction waste will be buried on site. All personnel will be instructed regarding the correct procedure for waste disposal. All hazardous waste materials will be disposed of in the manner specified by the local or state regulation or by the Material Safety Data Sheets (MSDS) provided with the particular waste material. All sanitary waste will be collected from the portable units as required.

Once site development is completed, the developer will utilize appropriate solid waste disposal procedures commensurate with the type of solid waste generated at the site. All sanitary waste generated on the site will be discharged to a public utility system.

6.0 REQUIREMENTS FOR LOTS IN RESIDENTIAL SUBDIVISION WHICH ARE COVERED BY THE LARGE CONSTRUCTION STORM WATER GENERAL PERMIT

As a homebuilder on a lot that is part of a regulated subdivision, you are also regulated under the State's storm water regulations and are required to take steps to keep soil and sediment from leaving the lot. When rain falls on exposed soil it can wash away valuable topsoil. It also carries sediment, nutrients and other pollutants into streets, gutters and ditches, where it then travels to lakes, rivers, streams or wetlands. Polluted runoff can cause excessive growth of aquatic weeds and algae and reduce recreational opportunities such as swimming and fishing. Sediment laden runoff can also destroy fish habitat reducing productive fishing opportunities. In addition, sediment-laden runoff can also clog pipes, ditches, streams and basins resulting in increased flooding and maintenance cost. Therefore, the homebuilder is required to minimize off-site damage from soil erosion, sediment leaving the construction site, and poor "housekeeping" practices. This requirement must be accomplished by developing and implementing a Storm Water Pollution Prevention Plan (SWPPP). Some examples of individual lot SWPPPs are attached for your convenience. Sketch the controls on a copy of your site plan. Narrative notes on the site plan may also be used in addition to the erosion control symbols. In developing and implementing the SWPPP, controls must be used from each control group (vegetative, structural, housekeeping) to prevent erosion and sediment and other pollutants from leaving the site. Commonly used controls include:

Vegetative Controls

Temporary vegetation includes annual grasses that sprout quickly such as annual rye, browntop millet, oats, and winter wheat. These grow quickly with little care and can protect the soil from rainfall and act as a filter. They will not provide permanent cover. Permanent cover must be established as indicated below. When a disturbed area will be left undisturbed for fourteen (14) days or more, the appropriate temporary or permanent vegetative practices shall be implemented within seven (7) calendar days.

Mulching is the placement of hay grass, woodchips, straw, or synthetic material on the soil to provide temporary cover to protect the soil from rain. Mulching may be the only option during the winter when seeding or sodding is not possible. Mulch must stay in place to be effective. Netting, stakes or chemical binders are used to anchor some types of mulch. Be sure to reinstall washed-out mulch and anchor if necessary until permanent cover is established.

Permanent stabilization is the establishment of a permanent vegetative cover on disturbed areas using either sod, perennial seed, trees or shrubs. When a disturbed area will be left undisturbed for fourteen (14) days or more, the appropriate temporary or permanent vegetative practices shall be implemented within seven (7) calendar days. Silt fences, and other temporary measures must be removed following permanent stabilization.

Vegetative buffer zones are undisturbed or planted vegetated areas that are between construction activities and water bodies.

Structural Controls

Silt fences are temporary sediment barriers made of filter fabric buried at the bottom, stretched, and supported by stakes. The silt fence slows runoff and allows it to puddle or pond, so soil and sediment can settle out before leaving the site. The bottom eight to twelve inches of fence must either be sliced in or buried in a trench about four to six inches deep by four to six inches wide. Silt fences that are not buried are improperly installed. They have no useful function, are a waste of money, and may result in enforcement action. Stakes must be on the downstream side of the fence and spaced about 3 feet apart. Silt fence must not be installed across streams, ditches, waterways, or other concentrated flow areas. Place fences on the contour or perpendicular to the slope of the hill so that water and sediment will pond behind the fence. Turn ends uphill to prevent water going around the end. Install on the downslope, downhill, downstream, or low side of your lot. Keep the fence/barrier in place until grass is established.

Slope drains are piping or lined channels that carry storm water downslope without erosion. A good example would be a downspout extender. Extenders may be used to protect temporarily stabilized areas

from roof runoff. Extenders can direct water from roof gutters to paved or grassed areas. Remove extenders following permanent stabilization.

Construction entrance/exits are stone stabilized site entrances which reduce sediment tracked onto public roads. Apply gravel or crushed rock to the driveway area and restrict traffic to this one route. Use 3 to 6 inch gravel over a geotextile fabric. At the end of each day sweep or scrape up any soil tracked onto the street. Limit "standard" vehicle access (including workers' vehicles) to only streets and roads, keep vehicles off of future yard areas; limit tracking of mud onto streets by requiring any required vehicles to use designated access drives. Streets are conduits for storm water, it is important to keep mud and sediment off the streets.

Stockpiles of sand or soil should be covered with plastic or tarps at the end of each workday, or surrounded with silt fence or haybales. Do not locate a stockpile near a street, storm drain inlet, or ditch.

Erosion control blankets or mats are machine-produced mats of straw or other fibers held together with netting that provide temporary or permanent stabilization in critical areas, such as slopes or channels, so that vegetation may be established.

Storm Drain Inlets on the lot must be protected by surrounding or covering with a filter material until final stabilization has been achieved.

Additional Controls: The above controls are the more common practices used at small construction sites. There are a number of other controls, techniques and manufactured product available. A few examples include hydro seeding, diversion berms, silt dikes and fiber logs. Even something as simple as a tarp or plastic may provide temporary cover for small exposed areas. You may wish to contact an erosion and sediment control specialist, local building official, or MDEQ for further information. In addition, MDEQ has several guidance manuals that may be of assistance and the internet has abundant guidance on construction BMPs.

Housekeeping Controls: Pollutants that may enter storm water from construction sites because of poor housekeeping include oils, grease, paints, gasoline, solvents, litter, debris, and sanitary waste. Good housekeeping practices include:

- Frequent cleaning of trash and debris, providing waste receptacles at convenient locations and providing regular collection of waste;
- Directing concrete trucks to the subdivision's designated wash-off area(s) or back to the Ready-Mix facility;
- Providing protected storage areas for chemicals, paints, solvents, fertilizers, and other potentially toxic materials; and
- Providing adequately maintained sanitary facilities.

In addition, you should be aware that State air regulations prohibit the open burning of residential solid waste.

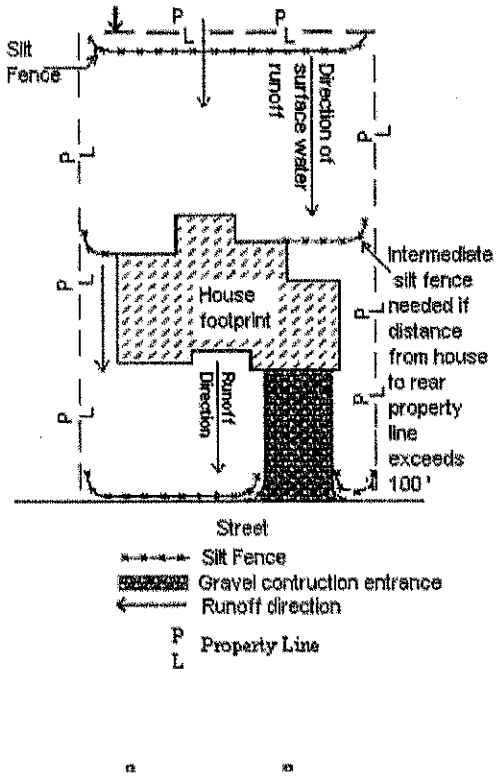
Inspection Requirements. Homebuilders shall inspect all erosion controls as often as is necessary, but no less than weekly, to ensure that appropriate erosion and sediment controls have been properly constructed and maintained to prevent erosion and sediment from leaving the site and determine if additional or alternative control measures are required. The inspection results shall be recorded on the Site Inspection and Certification Form contained in the Large Construction Forms Package. MDEQ strongly recommends that homebuilders perform a "walk through" inspection of the controls before anticipated storm events. It is a responsibility of the homebuilder to install additional and/or alternative erosion and sediment controls when existing controls prove to be ineffective in preventing sediment from leaving the site.

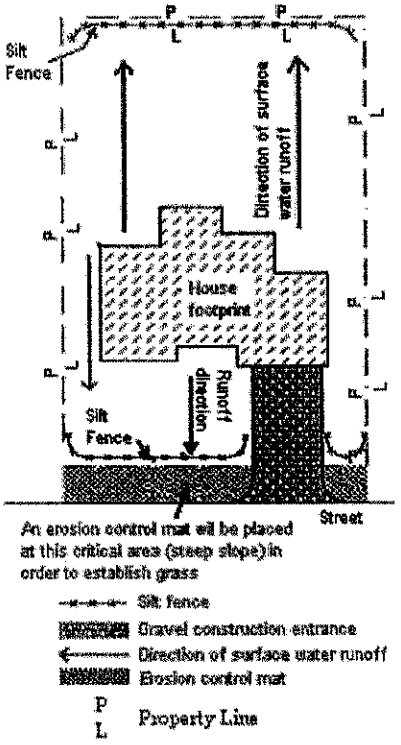
Retention of Records. All records, reports, forms and information resulting from activities required by this permit shall be retained for a period of at least three years from the date of the document origin.

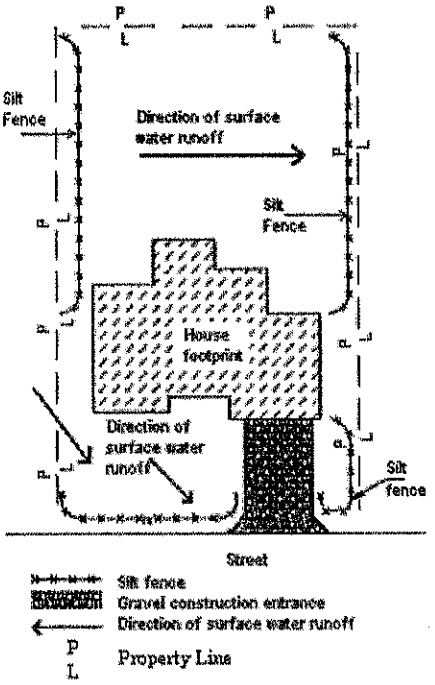
Duty to Comply. Lot owners must comply with the applicable permit conditions. See Activities 3, 5, 6, 7, 10 and 11 in the Large Construction Storm Water General Permit for applicable conditions. Any noncompliance with the applicable permit conditions and aforementioned conditions including sediment leaving the lot constitutes a violation of the Mississippi Water Pollution Control Law and is grounds for

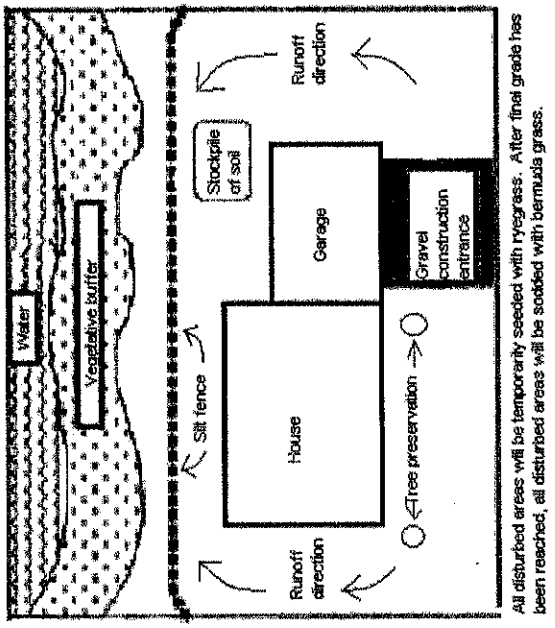
enforcement action. It shall not be an acceptable defense that controls were not installed because subsequent activities would require their replacement or cause their destruction.

EXAMPLE INDIVIDUAL LOT EROSION AND SEDIMENT CONTROL PLANS









7.0 TOTAL MAXIMUM DAILY LOAD (TMDL) REQUIREMENTS FOR BERNARD BAYOU

TMDLs have been developed for Bernard Bayou/Biloxi Back Bay for: pathogens, total toxics chronic, total toxics acute, nutrient pollutants, phenols, organic enrichment/low-dissolved oxygen. This is noted in the SWPPP as well as BMPs used to prevent further impairment.

Description of impaired waters or waters subject to TMDLs:

Engineering Xcellence conducted a review of the ditch at Holliman Drive to determine if the above receiving waters were impaired or subject to TMDLs. Engineering Xcellence first reviewed the 303(d) list for the state of Mississippi. Engineering Xcellence did identify Flat Branch and Bernard Bayou as impaired waters or subject to TMDLs as well as Morgan White with MDEQ.

Facilities discharging into impaired receiving waters (i.e., receiving stream segments which are listed on MDEQ's 303(d) List of Impaired Waters or segments for which a Total Daily Maximum Load (TMDL) has been approved) must identify the pollutant of concern(s) for the receiving stream in the SWPPP. [If applicable, the SWPPP shall describe how the selected BMPs will ensure that discharges from the site will not cause or contribute to excursions of the water quality standards in the receiving stream.]

Stormwater runoff, except run-on entering the vegetated swale, will be discharged to a temporary sediment trap during construction without direct discharge to any surface waters. As an emergency overflow, the sediment trap will have a raised outlet structure connected to the City of Gulfport's ditch on Holliman Road. Run-on captured by the vegetated swale will be discharged to the sediment trap on Holliman Road through a raised outlet structure.

After construction, stormwater runoff will discharge to the stormwater bioretention area and retention pond, with an outlet structure connected to the Ditch on Holliman Road with is part of the Fritz Creek Watershed. The vegetated swale will remain as a permanent stormwater conveyance following construction.

The City of Gulfport's ditch and Fritz Creek flows 23,043 feet and discharges to the Biloxi River and then flows to Bernard Bayou/Back Bay of Biloxi. The discharge point at Holliman Road is approximately 36,605 feet north of Bernard Bayou and Back Bay of Biloxi. (see below)

Distance for Buffer from Construction Activities

X = Site O - Outfall

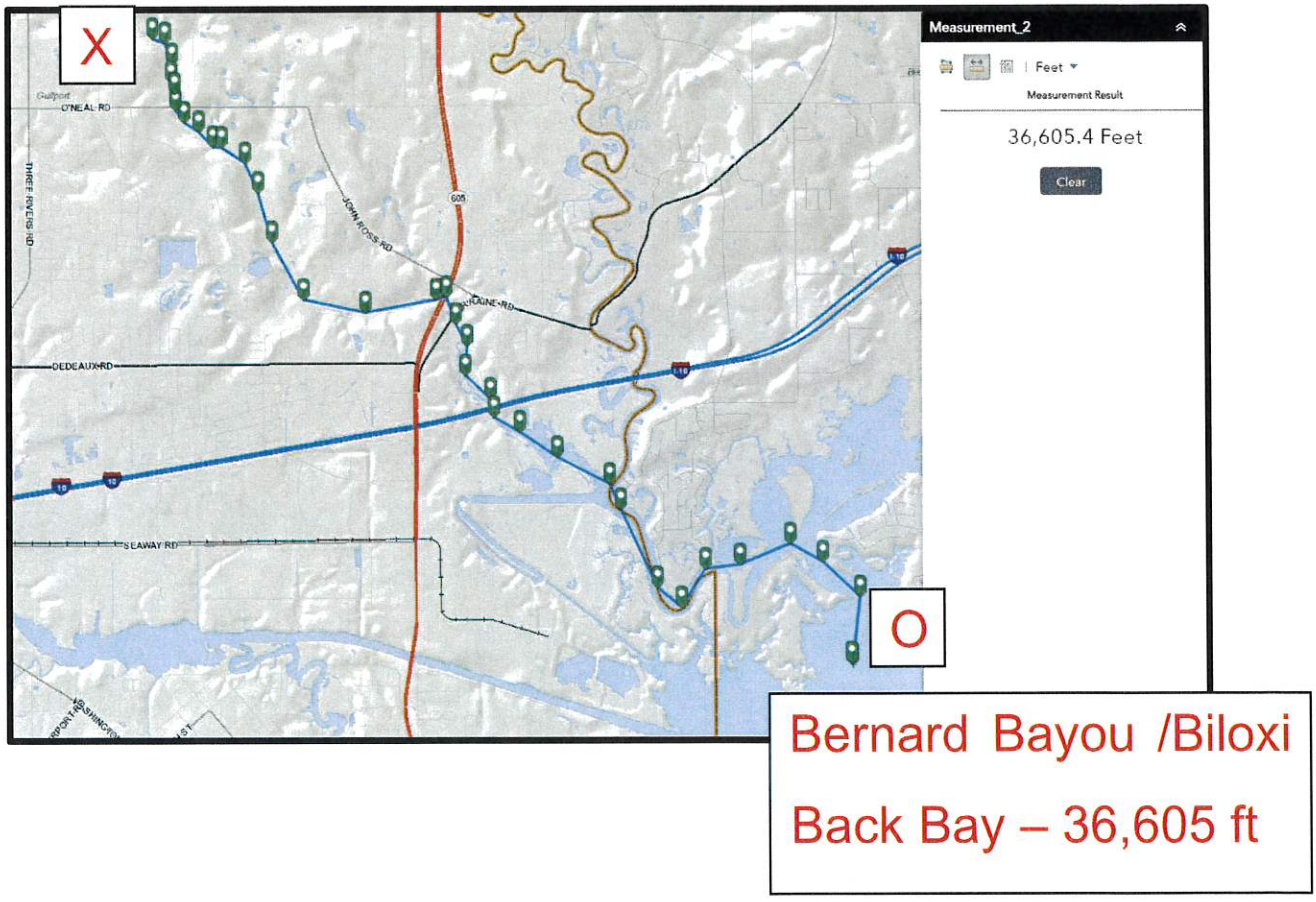
Site to Bernard Bayou/Biloxi Back Bay is 36,605 feet. **Picture 1.**

Site to Biloxi River is 23,043 feet. **Picture 2**

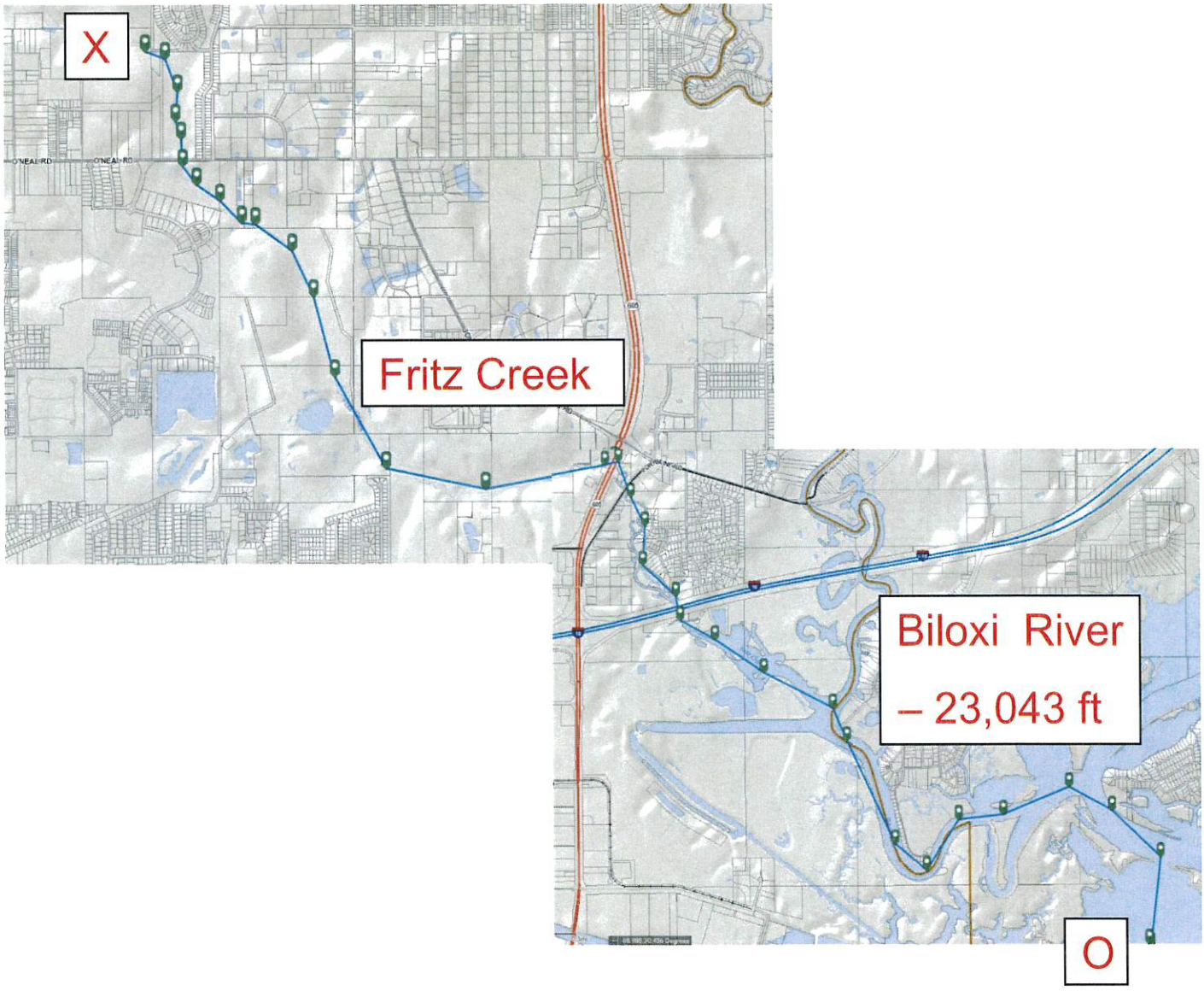
Site to the Ditch that runs through the property is an average of 66.6 feet. **Picture 3**

The City of Gulfport's ditch and Fritz Creek flows 23,043 feet and discharges to the Biloxi River and then flows to Bernard Bayou/Back Bay of Biloxi. The discharge point at Holliman Road is approximately 36,605 feet north of Bernard Bayou and Back Bay of Biloxi. (see below)

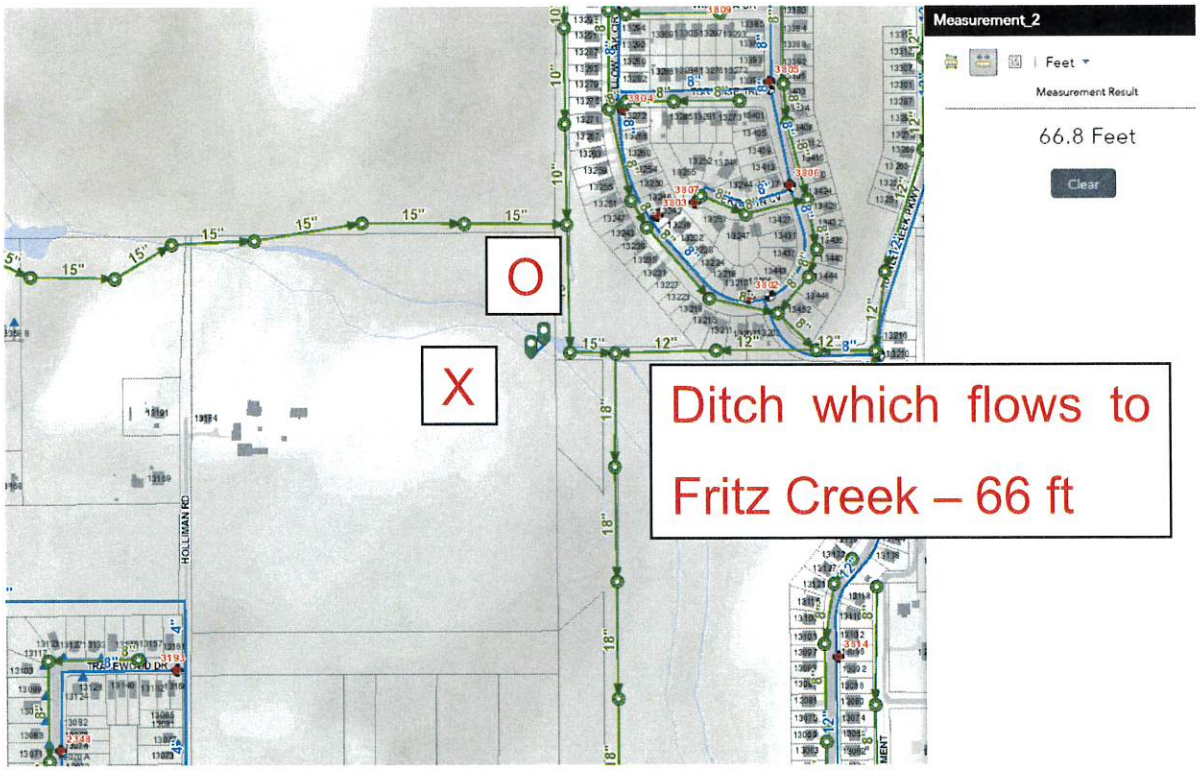
Picture 1


X
O
Measurement_2
Feet
Measurement Result
36,605.4 Feet
Clear
O'NEAL RD
THREE RIVERS RD
JOHN ROSS RD
605
DEDEAUX RD
SEAWAY RD
10
110
Bernard Bayou /Biloxi
Back Bay – 36,605 ft

Picture 2


X
Fritz Creek
Biloxi River
– 23,043 ft
O
Bernard Bayou
/Biloxi Back Bay
- 36,605 ft

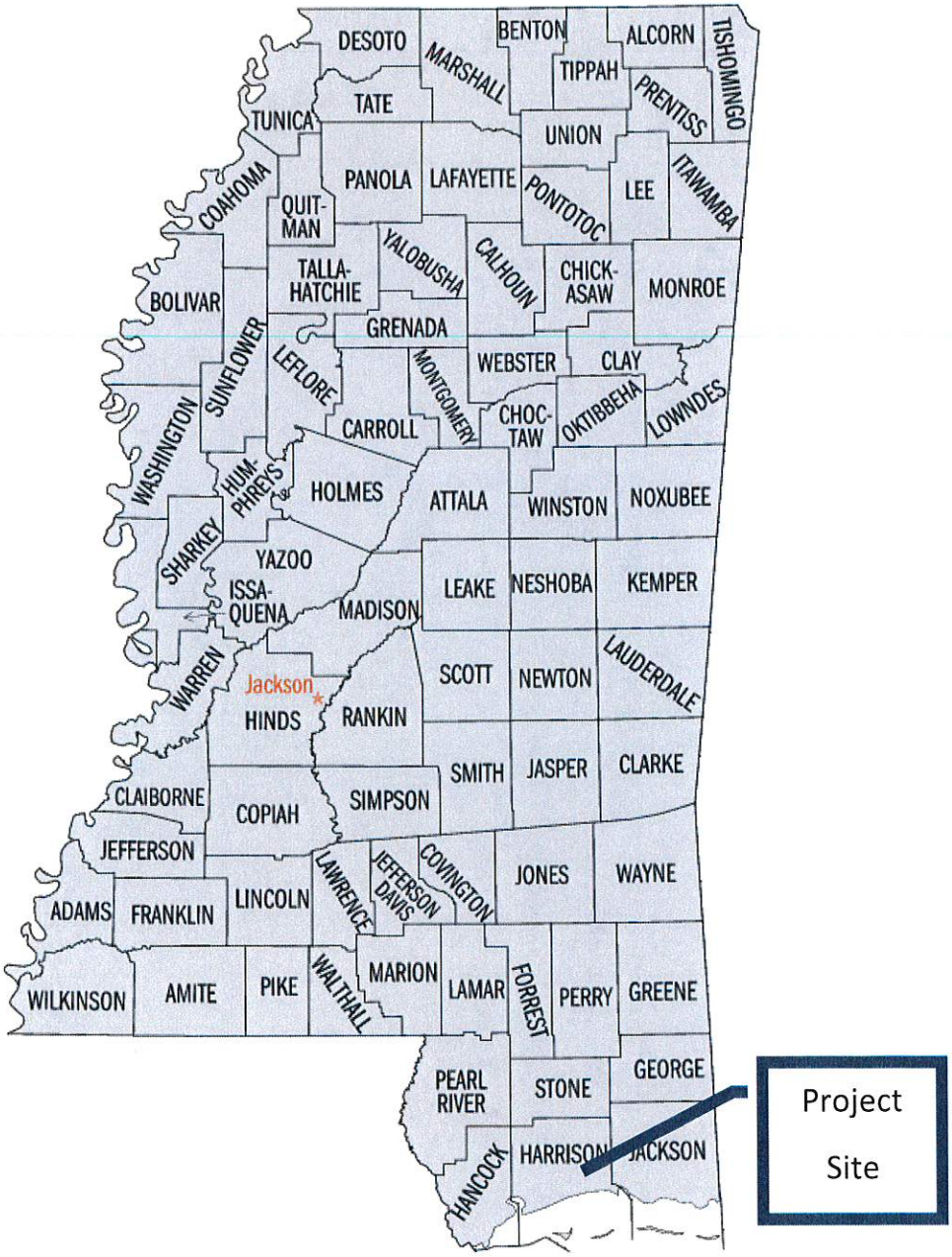
Picture 3

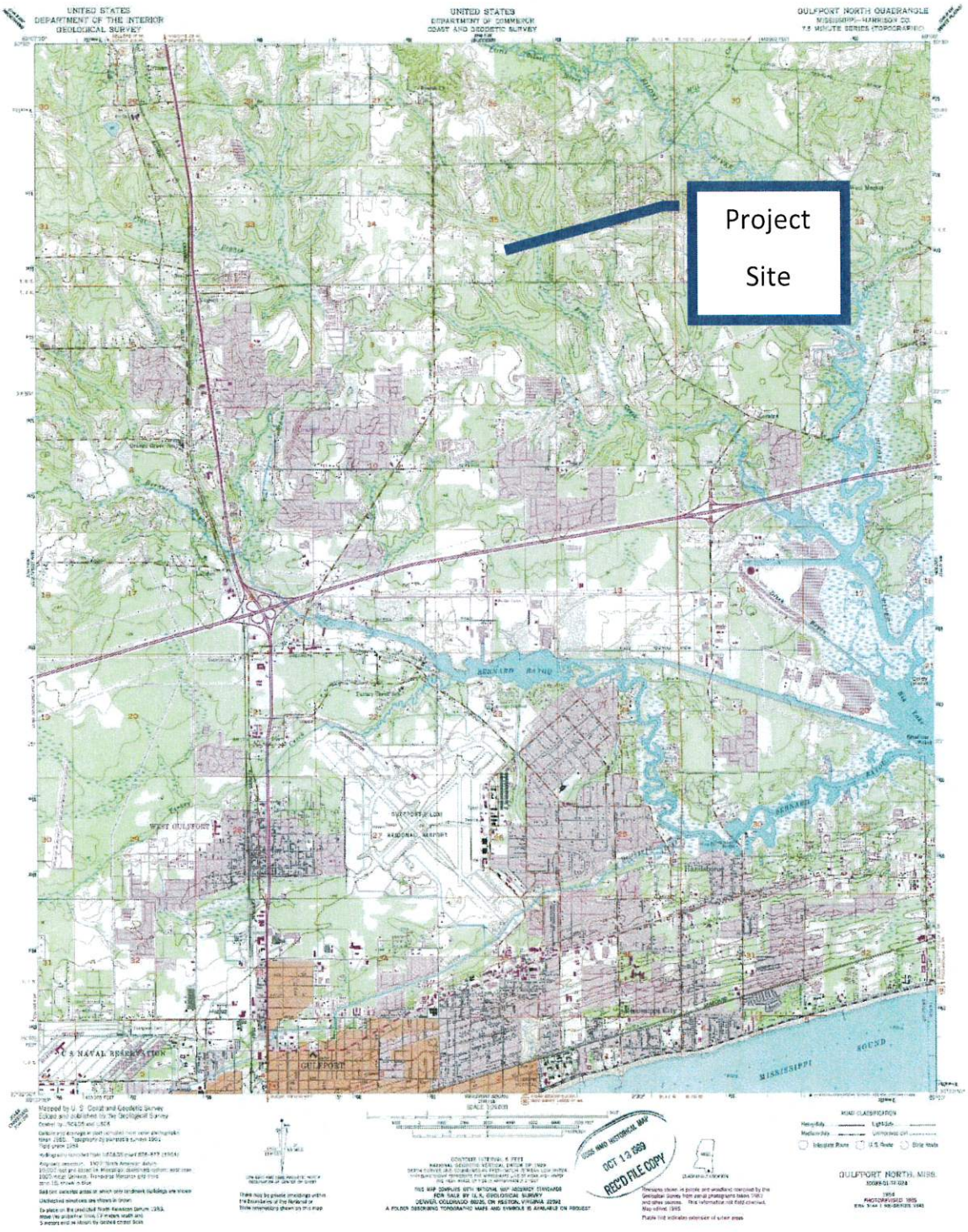

Measurement_2
Feet
Measurement Result
66.8 Feet
Clear
O
X
Ditch which flows to Fritz Creek – 66 ft
HOLLIMAN RD

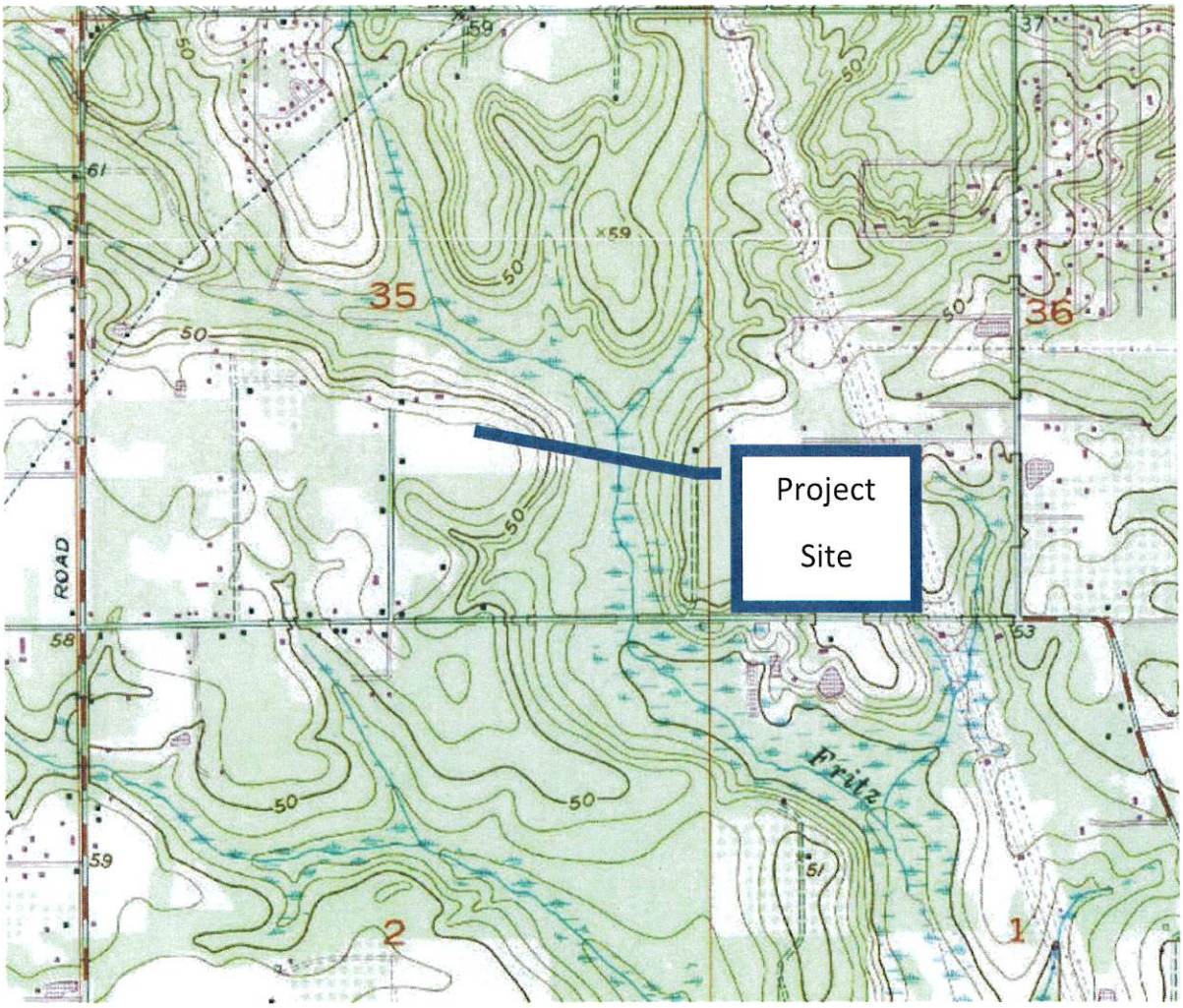
[A description of any post-construction control measures. Post-construction control measures should be installed, as necessary, to control pollutants in storm water after construction is complete. These controls include, but are not limited to, one or more of the following: on-site infiltration of runoff, flow attenuation using open vegetated swales, exfiltration trenches and natural depressions, constructed wetlands and retention/detention structures. Where needed, velocity dissipation devices shall be placed at detention or retention pond outfalls and along the outfall channel to provide for a non-erosive flow.]

[Proposed responsible parties (original coverage recipient or new owner or operator) for individual lots or out-parcels that are part of a larger common plan of development or sale. If permit responsibility is retained by the original coverage recipient, a narrative description of sediment and erosion controls for subdivision lots is acceptable.]

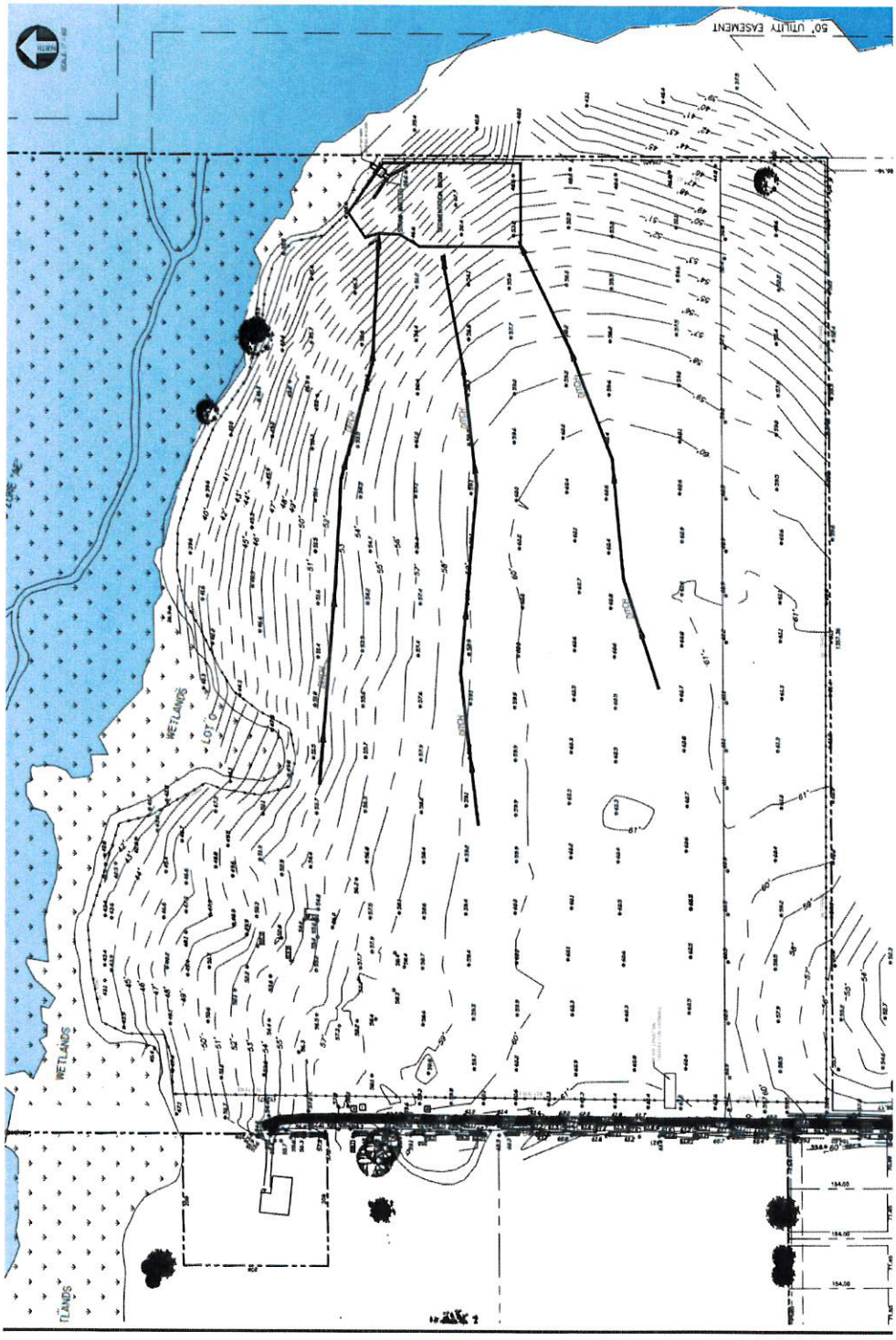
APPENDIX I - VICINITY MAP & USGS QUADRANGLE MAP




Project
Site


Project
Site
35
36
2
1
ROAD
Fritz
50
59
61
58
53
51
37

APPENDIX II – SITE PLAN



APPENDIX III - EROSION CONTROL PLAN

See attached plan.

APPENDIX IV - EROSION CONTROL CONSTRUCTION DETAILS

See attached plan...

APPENDIX V - COUNTY UTILITY AUTHORITY APPROVAL

March 1, 2024

Robert K. Riemann, P.E.
Engineering Xcellence, PLLC
3103 5th Ave., Suite B
Gulfport, MS 39501

Re: Summerfield Estates Phase I (104 Connections) – City of Gulfport
Northeast of the Intersection of Holliman Road and Tracewood Drive
Water No Objection - Sewer Treatment Will Serve

The Harrison County Utility Authority (HCUA) has no objections to the referenced project, which includes the construction of water and sewer utilities within the City of Gulfport. These connections will be to the City of Gulfport's system. Water and sewer must be constructed and connected following the "Will Serve" issued by the City of Gulfport. HCUA has the treatment capacity at North Gulfport WWTF to accommodate wastewater from this project. This will serve letter is valid for 12 months from the date issued.

Sincerely,

Sam Broom, P.E.
Engineer / Project Manager

OFFICE of DIRECTOR of PUBLIC WORKS

4050 Hewes Avenue
Gulfport, MS 39507-3903
Phone: 228-868-5740
Fax: 228-214-2238

February 8, 2024

Mr. Robert K. Riemann, P.E.
Engineering Excellence with Kris Riemann
And Associates, PLLC
3103 5th Avenue, Suite B
Gulfport, MS 39501

Re: Water and Sewer Service Availability for the proposed Summerfield Estates Subdivision Phase I (104 Connections)

Dear Mr. Riemann:

This is to inform you that the City of Gulfport has the water and sewer availability to serve the proposed development.

Water:

Water is available via an existing 8 inch water main located at the intersection of Tracewood Drive and Holliman Road as shown on the Summerfield Estates Subdivision Phase I Site Plan by Engineering Xcellence with Kris Riemann and Associates, PLLC dated November 29, 2023. The water main will also have to be extended to the 12 inch water main at the intersection of Tracewood Drive and O'Neal Road at the developer's expense. Also, the water main will have to extended to the development at the developer's expense. The engineer of record is responsible to ensure the fire flow meets the current City of Gulfport city standards.

Sewer:

Sewer is available via an existing sewer manhole located on the east side of the project as shown on the Summerfield Estates Subdivision Phase I Site Plan by Engineering Xcellence with Kris Riemann and Associates, PLLC dated November 29, 2023. Gravity sewer will have to be extended, at the developer's expense.

All plans are subject to the review and approval of the City of Gulfport Public Works and Engineering Departments prior to construction. Once the improvements are completed, the City of Gulfport Public Works and Engineering Departments shall inspect and approve the system prior to final acceptance.

****This will serve letter is valid for 12 months from the date issued.****

If you need any further information or have any questions, please contact our office at (228) 868-5740.

Sincerely,

J. Tyler Gentry
Director of Public Works

cc: File

ENGINEERING
CELLENCE
WITH KRIS RIEMANN & ASSOCIATES

Robert K. Riemann, P.E.
President/Owner

3103 5TH Avenue, Suite B
Gulfport, MS 39501
Phone: 228-518-2980

February 15, 2024

Mr. John L. Wilson, P.E.
Executive Director
Harrison County Utility Authority
10271 Express Drive
Gulfport, MS 39501

Re: Summerfield Estates Subdivision – Phase 1 – 104 Lots - Sewer Extension Located at Holliman Road North of O'Neal Road - OPC Form – Signature Needed

Dear Mr. Wilson:

Attached is a copy of the construction plans & I will use the technical specifications for the City of Gulfport as referenced on the City's website for the above referenced project which are attached also.

Attached is the standard OPC Information Form approved by the City of Gulfport and to be executed by the HCUA and returned at your earliest convenience. Then, we will submit to MDEQ and MSDH.

Thanks for your help with this and let us know if you have any questions or if any changes are needed.

If you need any further information or have any questions, please contact me at (228) 518-2980 or kris@engineeringxcellece.com.

Sincerely,

Robert K. Riemann

Robert K. Riemann, P.E.
President/Owner
Engineering Xcellence, PLLC

REVISED 6/6/02

FOR OPC USE ONLY
AI NO. _____
PLA NO. _____

INFORMATION REGARDING PROPOSED WASTEWATER PROJECTS TO: THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

The Blessed Investment Team (City of Gulfport)
,
(Name of Body Making Application, i.e. Individual, Corporation, Municipality, Developer, etc.)

whose mailing address is PO Box 2353 Gulfport, MS
, 39505, (Street and Number) (City) (State)
(Zip)

whose responsible official is Mr. Wayne Carr, Owner,
(Name) (Title)

and whose phone number is (228) 860-2203 (cell),

Herewith submits for consideration of the OPC plans, specifications, and other necessary data prepared by

Engineering Xcellence with Kris Riemann & Associates, PLLC.
(Engineer or Firm)

Kris Riemann
(Firm's Project Contact Person, if applicable)

3103 5th Avenue, Suite B
(Mailing Address)

Gulfport, MS, 39501
(City, State, Zip)

(228) 518 - 2980
(Phone Number)

who is hereby authorized to represent the applicant in the engineering features of this project for

the construction of Summerfield Estates Subdivision – Phase 1 – Single-Family Residential – 104 Lot Subdivision – 5,261 L.F. of 8" gravity sewer and 24 Manholes which is collected by the existing City Sewer system and operated by the City of Gulfport

(Clearly Describe Project: New System, Modification, Extension, Rehabilitation, Treatment, etc.)

To a Single-Family Residential – 104 Lot Subdivision serve
(Subdivision, Plant, School, Other)

located at Holliman Road North of O'Neal Road in the City of Gulfport, Mississippi more specifically being the Northeast Quarter and the Southeast Quarter of the Southwest Quarter of Section 35, Township 6 South, Range 11 West, Harrison County, Mississippi.
(Approximate Location, Including Section, Township, and Range)

in or near the City of Gulfport in the County of Harrison,
State of
Mississippi, as required by the regulations of the OPC and herewith make application to the OPC for the approval of this project. We understand through the regulations of the OPC that this approval is required prior to the initiation of construction activities.

Upon construction, these facilities will be owned and maintained by City of Gulfport

(Name of Utility Company, Municipality, Owner, Developer, etc.)

whose mailing address is 4050 Hewes Avenue Gulfport, MS
, 39507.
(Street and Number) (City) (State) (Zip)

NOTE: IF THIS PROJECT DOES NOT ADD ANY NEW CONNECTIONS OR ADDITIONAL FLOWS TO THE COLLECTION SYSTEM, YOU MAY OMIT SECTIONS A. THROUGH E. BELOW.

A. EXISTING SEWAGE COLLECTION SYSTEM

1. The facilities collecting the sewage from this proposed project are owned by

City of Gulfport.
(Utility Company, Municipality, etc.)

2. The number of connections existing are 29,000 +/-.

3. The length of sanitary sewers existing are 529 miles.

4. The number of existing lift stations are 183.

5. Additional facilities that collect sewage from this proposed project, i.e. a regional wastewater authority, are owned by Harrison County Utility Authority

B. CERTIFICATION(S) FROM COLLECTION ENTITIES

The official(s) responsible for the wastewater collection facilities denoted in Section A. above, that will serve the proposed project, do hereby certify that we agree to transport the wastewater flows generated from the proposed project. We also hereby certify that we have determined that our collection system(s) have the capacity available to transport properly the wastewater flows generated from the proposed project.

Signature

Director of Public Works
Title

City of Gulfport
Entity

Signature

Executive Director
Title

Harrison County Utility Authority
Entity

C. EXISTING SEWAGE TREATMENT WORKS

1. The facilities responsible for treatment of the sewage from this proposed project are owned by Harrison County Utility Authority.

(Utility Company, Municipality, etc.)

2. The OPC Permit Number for this wastewater facility is MS0051756.

3. The capacity for this wastewater treatment facility is 7.75 MGD.

4. The treatment type of this wastewater treatment facility is Activated Sludge .

(Activated Sludge, Aerated Lagoon, etc.)

5. The present population served by the treatment facility is 48,000.

6. The operator in charge will be ~~Terry Atkisson~~ Danny Garrett, who is a Class IV wastewater operator, holding certificate number ~~WW4-9591~~ WSH-00005135.

D. CERTIFICATION FROM WASTEWATER TREATMENT ENTITY

The official responsible for the wastewater treatment facility denoted in Section C. above, that will serve the proposed project, does hereby certify that we agree to treat the wastewater flows generated from the proposed project. We also hereby certify that we have determined that our treatment facility has the capacity available to treat properly the wastewater flows generated from the proposed project.

Signature

John Wilson, Executive Director
Title

Harrison County Utility Authority
Entity

E. PROPOSED PROJECT DETAILS

1. The ultimate population to be served by this proposed project is (104)(3.5) = 364 .

2. The number of connections to be added are 104.

3. Per capita discharge 75 gpcd: Infiltration 0 gpcd. (Estimate, if unknown)

4. Area Served in Acres 43.22 acres Design Population Per Acre (364/43.22) = 8.422

5. The area water is supplied by

City of Gulfport.

(Name and Address of Water Utility)

6. Proposed Sewage Pumping Stations

Location or Number	Units Served	Pump Capacity (gpm)	Influent Flow (gpm)	
			Avg.	Peak

F. ADDITIONAL CLEARANCES

NOTE: APPROVAL OF THIS PROJECT SHALL NOT BE GRANTED UNTIL ALL THE MDEQ PERMITS, COVERAGES, AND APPROVALS DENOTED BELOW ARE SATISFACTORILY ADDRESSED.

1. The total area of ground disturbance by clearing, grading, and excavating for utilities, roadways, lots, etc. is 43.22 acres.

2. For construction projects disturbing five or more acres, have you applied to MDEQ or an MDEQ approved local authority for construction stormwater permit coverage?

X Yes ☐ Not applicable

If not applicable, why?

NOTE: IF YOU ARE DISTURBING MORE THAN ONE ACRE BUT LESS THAN FIVE ACRES

AFTER MARCH 10, 2003, YOU MUST FOLLOW THE REQUIREMENTS OF MDEQ'S SMALL CONSTRUCTION STORM WATER GENERAL PERMIT. ALSO, AFTER MARCH 10, 2003, IF YOU ARE IN AN AREA THAT HAS AN MDEQ APPROVED LOCAL AUTHORITY YOU MUST APPLY FOR APPROVAL FOR 1-5 ACRE CONSTRUCTION PROJECTS. SOME LOCAL AUTHORITIES MAY REQUIRE APPROVAL FOR DISTURBANCE LESS THAN ONE ACRE.

3. Have determinations/authorizations been received from the Corps of Engineers regarding the need for a Section 404 Permit, General Permit or Nationwide Permit for stream or intermittent drain crossings, stream re-routing, or for placing fill material into wetlands?

☐ Yes ☐ Pending X Not applicable

If not applicable, why? Wetlands will not be impacted or disturbed. Plan to drain to an existing City maintained ditch.

G. ADDITIONAL CERTIFICATIONS

We hereby certify that we are the applicants for this project, that we are familiar with the information contained in this form, and that, to the best of our knowledge and belief, such information is true, complete, and accurate.

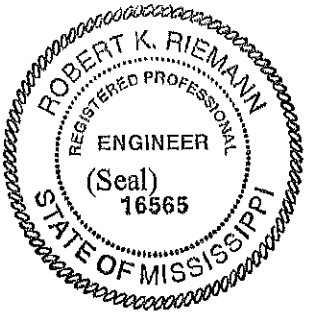
Signature of Responsible Official for Body Making Application

Wayne Carr, Owner of Blessed Investment Team

Printed Name and Title of Above

I hereby certify that the engineering documents for this project were prepared by myself or under my direct supervision, that I am familiar with the information contained in this form, and that, to the best of my knowledge and belief, such information is true, complete, and accurate.

Signature of Engineer Registered Under Mississippi Laws



Robert Kristian Riemann, P.E. #16565

Typed Name and Registration Number

THE APPLICANTS AGREE THAT NO CHANGES IN OR DEVIATION FROM THE PLANS AND SPECIFICATIONS APPROVED BY THE OPC WILL BE MADE EXCEPT WITH THE PRIOR CONSENT AND APPROVAL OF THE OPC.

COMMENTS:

FOR OPC USE ONLY
AGENCY INTEREST NO. _____
PLANS NO. _____
COVERAGE NO. _____

COASTAL COUNTY UTILITY AUTHORITY ENVIRONMENTAL CLEARANCE FORM TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

This form is required to be completed and submitted to the Mississippi Office of Pollution Control for all proposed projects applying for wastewater approval or construction stormwater coverage in the following counties: Hancock, Harrison, Jackson, Pearl River, and Stone.

PROJECT NAME: Summerfield Estates Subdivision – Phase 1 - 104 Lots

ENTITY MAKING APPLICATION: Engineering Xcellence with Kris Riemann and Associates, PLLC

RESPONSIBLE OFFICIAL: Kris Riemann, P.E.

COUNTY WHERE PROJECT IS LOCATED: Harrison

The portions below are to be completed by the appropriate County Utility Authority(CUA)

1. Is this project consistent with the requirements of the CUA? X Yes ☐ No
2. Is this project connecting to a facility funded by Community Development Block Grant (CDBG) funds under the Mississippi Gulf Region Water and Wastewater Plan? ☐ Yes X No

   If yes, complete Item 3.; if no, skip Item 3.
3. Has this project been coordinated with the U.S. Fish and Wildlife Service to identify the need for a Section 7 consultation for impacts to threatened and/or endangered species?

   ☐ Yes ☐ No

   If yes, a copy of the consultation clearance letter from the U.S. Fish and Wildlife Service must be attached to this form. If no, this project can not be considered by the Office of Pollution Control.

I hereby certify that I am the official responsible with the _____ County Utility Authority in these matters, that I am familiar with the information contained in this form, and that, to the best of my knowledge and belief, such information is true, complete, and accurate.

Signature

3/1/24

Date

Ex DIRECTOR

Title

VACVA

Entity