STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
&
LARGE CONSTRUCTION NOTICE OF INTENT (LCNOI)

FOR

MMR
Linbrook Business Park
Saints Trail Northwest
Lincoln County, Mississippi 39601

February, 2025

PREPARED BY:

Clearpoint
CONSULTING ENGINEERS, P.A.
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TABLE OF CONTENTS

I. INTRODUCTION

The purpose of the Storm Water Pollution Prevention Plan (SWPPP) is to provide a site specific description of the best management practices to prevent contamination of the storm water with potential pollutants from construction activities related to the proposed project. The storm-water pollution prevention plan has been prepared as required by the Mississippi Department of Environmental Quality in compliance with the application regulations for sites that disturb more than five (5) acres of erosive area.

This SWPPP is to be incorporated into the routine construction activities at the development. The potential sources of pollution have been identified at the site and are described in this plan. Several pollution control measures are specified in the plan to prevent contamination of storm water runoff from those sources. The plan also outlines implementation, inspection, and maintenance requirements. The erosion and sediment control practices should be monitored and the plan revised if the quality of storm water runoff is not satisfactory.

II. SITE INFORMATION

A. **Site Description:** The site is located at Saints Trail Northwest in Section 15, T-7-N, R-7-E, Lincoln County, Mississippi adjacent to the Linbrook Water Tower. The site is currently consists of cleared wooded land, and is bordered on the east by Crete Lane Northwest, to the west by unnamed cul-de-sac Road, to the south by the Saints Trail NW, and to the north is a wooded area.

The site consists of flat terrain sloping in a southeasterly direction away toward RailRoad to north. Slopes range from zero to five percent (0-5%). The property is located in Flood Zones "X", as per Flood Insurance Rate Map (FIRM) Number 28085C0178D. Zone "X" is designated on said FIRM as "Areas determined to be outside the 0.2% annual chance floodplain".

B. **Drainage Patterns:** The middle of site consists of flat terrain (0-5%) with sloping away from the middle of the site. Post-construction storm water runoff generated by the proposed site improvements will be detained in an above-ground storm water detention system before being discharged off-site. Discharge from said site will flow in a northerly direction to West Bogue Chitto Creek.

C. **Description of Work:** Initial earthwork operations will consist of establishment of erosion control measures, followed by completion of on-site grading. Erosion control measures will be implemented to prevent the off-site runoff of sediment from disturbed areas. Phases of construction include site clearing, site grading, installation of storm drainage and utilities, parking lot paving, and building construction. The total disturbed area for the development is estimated at 8 acres.

D. **Potential Pollution Sources:** The most significant potential pollutants are soil particles subject to removal by storm water. Other potential pollutants subject to removal by storm water are spilled fuel and lubricants. Material may also be inadvertently tracked off-site or blown off-site when distributed by hauling equipment.

E. **Non-Storm Water Discharges:** Potential non-storm water discharges consist of irrigation water and watering of the haul roads to control dust. Due to the permeability of the soil and the arid conditions when this activity is required, no significant impact is anticipated from these sources.

F. Non-Storm Water Solid Materials: The on-site generation of solid materials will be minimal, and its proper disposal will be closely monitored. All solid waste will be taken off-site for proper disposal.

III. BEST MANAGEMENT PRACTICES AND CONTROLS

A. **General:** In order to prevent contamination of storm water by the potential pollutants previously discussed, erosion and sediment controls during construction will be designed to prevent and minimize erosion and retain sediment onsite to the extent practical, and to ensure that no significant changes occur in the volume or characteristics of storm water runoff to receiving waters. All erosion and sediment control measures will be properly selected, installed, and maintained in accordance with the manufacturer's specifications and sound engineering practices. These measures shall be installed in accordance with the details provided and located at periodic intervals. All disturbed areas shall be grassed, and existing vegetation on undisturbed areas shall be maintained as long as possible.

The storm water which leaves the site shall meet the non-numeric limitations of being free from the following:

- oil, scum, debris and other floating materials; eroded soils and other materials that will settle out of the storm water to form objectionable deposits in receiving waters;
- suspended solids, turbidity and color levels inconsistent with the receiving waters; and
- chemicals in concentrations what would cause violations of the State Water Quality Criteria in the receiving waters.

B. **Vegetative Controls:** Existing trees will be preserved where possible. All diversions will be seeded (permanent seeding) immediately after completion of construction. Topsoil will be stockpiled for use in landscaping. Grass-lined waterways will be dressed with a thin layer of topsoil, seeded and mulched immediately after completion of construction. Temporary straw-net liners may be required on steeper ditches and slopes to facilitate vegetative growth. Steeper ditch slopes may require permanent treatment such as solid sod or concrete paving of the inverts to prevent erosion. All 3:1 cut slopes will be

roughened by disking prior to seeding. After rough grading or installation of storm drainage and utilities, all disturbed areas where construction activities have temporarily ceased and will not resume for a period of fourteen (14) days or more, shall be immediately seeded and mulched. After final grading, all disturbed areas will be stabilized immediately after completion of final grading.

See Appendix A for seeding, fertilizing, and mulching rates.

C. Structural Controls: Prior to establishment of permanent vegetation on reclaimed areas, temporary controls will be established and maintained during construction. Where possible, upslope waters shall be diverted around disturbed areas. Intermittent berms and turn-outs shall be used on steep haul roads slopes as a means to minimize longitudinal erosion and to provide drainage relief.

Silt fence and brush barriers shall be placed along the downstream side of excavation areas and to protect the ditches from erosion. Silt fences shall also be installed along the toe of fill slopes and around the perimeter of topsoil stockpiles to prevent off-site sediment runoff. Hay bales and/or wattles shall be used to stabilize slopes and protect ditches from erosion. All cut slopes will be at or below 3:1 grade. Inlet protection (hay bales and/or wattles) will be installed around drainage structures to form a barrier. Rip-rap or flexamat shall be placed at culvert outlets to reduce velocities and minimize erosion. A construction entrance will be placed at a designated location, and any accumulation of mud on vehicle tires will be washed, if needed, during muddy conditions.

D. Housekeeping Practices: All equipment maintenance and repair will occur done off-site. Trash cans or dumpsters will be placed at convenient locations throughout site. The main trash collection bin will be located for convenient use and pickup by disposal entity. Paints, solvents, fertilizers, or any other potentially toxic materials will not be stored on-site. Portable sanitary facilities will be provided for construction workers during home construction. Concrete truck drivers will be instructed to return any materials to the concrete batch plant and complete final washing procedures at that location.

E. Post-Construction Storm Water Management Measures: Riprap or flexamat shall be placed at pipe culvert outfalls to minimize erosion. All disturbed areas shall be stabilized with a complete stand of grass. Ditches with excessive slopes shall receive permanent stabilization such as riprap check dams, geosynthetic mats, solid sod or concrete paving. Any sediment basins designated to be converted to detention basins shall be improved and stabilized.

IV. IMPLEMENTATION SEQUENCE

The owner or prime contractor shall prepare an orderly listing which coordinates the timing of all major land-disturbing activities together with the necessary erosion and sedimentation control measures planned for the project. For the purposes of this project, the Implementation Sequence is described below:

1. *Construct Temporary Construction Entrance*
2. *Equipment Maintenance and Storage Areas*
3. *Install Silt Fence (down slope of demo area)*
4. *Site Clearing*
5. *Site Grading*
6. *Storm Drainage Installation with Inlet/Outlet Protection*
7. *Plant Temporary Vegetation on Disturbed Areas*
8. *Install Utilities*
9. *Complete Concrete Paving*
10. *Building and Sidewalk Construction*
11. *Fine Grading*
12. *Apply Topsoil to Disturbed Areas and Plant Permanent Vegetation and Ditch Treatment as needed (Sod, Concrete Ditch Paving, Etc.)*
13. *After Site is Stabilized, Remove all Temporary Measures (Silt Fence, Hay Bales, Brush Barriers, Construction Entrance, Etc.)*

V. INSPECTIONS, MAINTENANCE AND REPORTING

A. Inspections: Inspections of the best management practices and other storm water pollution prevention plan requirements shall be performed by the contractor or owner as follows:

1. At least once weekly.
2. After the occurrence of all rain events significant enough to produce a discharge.
3. As often as necessary to insure that appropriate erosion and sediment controls have been properly constructed and maintained.

B. Maintenance: Any deficiencies noted during the inspection process should be repaired or remedied within 24 hours. Remove sediment from structural controls the basin, inlet protection devices and silt fences when accumulated sediment reaches one-third (1/3) to one-half (1/2) of the height of the control

has reach 50 percent capacity. Replace non-functional silt fence. Maintain all vegetated areas to provide proper ground cover; reseed, fertilize and mulch as needed to minimize erosions and sedimentation.

C. **Reporting:** The owner and/or contractor must inspect, as described in above section, and maintain controls and keep all reports on file noting damages or deficiencies and corrective measures, using the form provided in the appendix of this plan. No reports should be submitted to the Mississippi Department of Environmental Quality unless specifically requested. As previously stated, all records, reports, and information resulting from activities required by this plan and your permit should be retained for at least three years from the date of the CNOI, inspection or report.

A rain gauge is recommended to be placed in a central location on the site and used to obtain rainfall amounts. This information will assist with proper completion of the inspection report.

D. T-20 STAFF TRAINING REQUIREMENTS

Each operator, or group of multiple operators, must assemble a "stormwater team" to carry out compliance activities associated with the requirements in this permit. Prior to the commencement of construction activities, the permittee must ensure that the following personnel on the stormwater team understand the requirements of this permit and their specific responsibilities with respect to those requirements: (1) Personnel who are responsible for the design, installation, maintenance, and/or repair of stormwater controls (including pollution prevention controls);

(2) Personnel responsible for the application and storage of treatment chemicals (if applicable)

(3) Personnel who are responsible for conducting inspections as required in ACT6, S-5; and

(4) Personnel who are responsible for taking corrective actions as required in ACT6, S-2.

The permittee is responsible for ensuring that all activities on the site comply with the requirements of this permit. The permittee is not required to provide or document formal training for subcontractors or other outside service providers, but the permittee must ensure that such personnel understand any requirements of this permit that may be affected by the work they are subcontracted to perform.

At a minimum, members of the stormwater team must be trained to understand the following if related to the scope of their job duties (e.g., only personnel responsible for conducting inspections need to understand how to conduct inspections): The permit deadlines associated with installation, maintenance, and removal of stormwater controls and with stabilization;

The location of all stormwater controls on the site required by this permit and how they are to be maintained;The proper procedures to follow with respect to the permit's pollution prevention requirements; and When and how to conduct inspections, record applicable findings, and take corrective actions.

Each member of the stormwater team must have easy access to an electronic

or paper copy of applicable portions of this permit, the most updated copy of the SWPPP, and other relevant documents or information that must be kept with the SWPPP.

T-21 STAFF TRAINING DOCUMENTATION
Staff Training conducted to meet the requirements of this ACT shall be documented. Training records shall include employee's name, date of training, brief content/nature of training, and the employee's signature acknowledging training was received. Staff training associated with this permit may be documented on the Employee Training Log that is provided on the MDEQ website at www.mdeq.ms.gov/construction-stormwater/. The permittee may use an alternative form to recordthis information, so long as it includes all of the information on the above referenced form. Employee training documentation shall be maintained on-site with the SWPPP and made available to MDEQ personnel for inspection upon request.

VI. REVISIONS

The SWPPP will be kept current by the company representative and will be revised as changes in site conditions warrant. The company representative may notify the SWPPP developer for assistance when necessary. Factors that would compel the SWPPP to be modified include:

- Significant inadequacies revealed by routine inspections;
- Changes in identified sources, non-storm water discharges, or non-storm water solid wastes; or
- MDEQ or local agency notification that the plan does not meet one or more of the minimum requirements.
- An increase in the scope of the project outside of the original plan.

APPENDIX A

VEGETATIVE SEEDING RATES FOR EROSION CONTROL

	SPECIES	RATE/ACRE	DATE
*	Pensacola Bahia	40#	Mar. 1 - July 15 Sept. 1- Nov. 30
	Hulled Common Bermuda	15#	Mar. 1 - July 15 Sept. 1 – Nov. 30
	Centipede	4#	Mar. 1 - July 15
**	Browntop Millet	40#	Apr. 1 – Aug. 15
**	Cereal Rye	90#	Nov. 15 – Dec. 15
	Carpet Grass	15#	Mar. 1 - July 15
	Creeping Red Fescue	30#	Sept. 1 - Nov. 30
	Pensacola Bahia	30#	Sept. 1 – Nov. 15
	Un-hulled Common Bermuda	10#	Sept 1 – Oct. 30
	PLUS		
**	Wheat	90#	Sept. 1 – Nov. 30
**	Ryegrass	60#	Sept. 1 – Nov. 30
**	Crimson Clover	25#	Sept. 1 – Nov. 30

* Not For Use In Residential Subdivisions

** Temporary Cover to be followed or mixed with a perennial

*** Fertilizer (13-13-13): Use 400# /Ac. on Crimson Clover

MULCH

Hay or Wheat Straw	2 tons	After Seeding

FERTILIZER

*** 13-13-13	600 #	Before Seeding
Lime	2 tons	Before Seeding

A current soil analysis recommendation may be substituted.

Desired pH range = 6.0 - 7.0 for all grasses

SEED BED PREPARATION

Slope all banks to a minimum of 3:1. Flatter if possible

After shaping and smoothing, pulverize soil to depth of 6 inches and harrow. Lime and fertilizer can be incorporated during seed bed preparation.

APPENDIX B

Large Construction Forms Package

APPENDIX C

U.S.G.S. Quadrangle and Aerial Map

(With Project Location)

APPENDIX D

Erosion Control Plans

APPENDIX E

Erosion Control Details

APPENDIX F

Web Soil Survey

AI: 88303

MSR109490

Rec'd via email:
02/10/2025

MISSISSIPPI DEPARTMENT OF
ENVIRONMENTAL QUALITY

LARGE CONSTRUCTION NOTICE OF INTENT (LCNOI) FOR COVERAGE UNDER THE LARGE CONSTRUCTION STORM WATER GENERAL NPDES PERMIT

INSTRUCTIONS

The Large Construction Notice of Intent (LCNOI) is for coverage under the Large Construction General Permit for land disturbing activities of five (5) acres or greater; or for land disturbing activities, which are part of a larger common plan of development or sale that are initially less than five (5) acres but will ultimately disturb five (5) or more acres. Applicant must be the owner or operator. For construction activities, the operator is typically the prime contractor. The owner(s) of the property and the prime contractor associated with regulated construction activity on the property have joint and severable responsibility for compliance with the Large Construction Storm Water General Permit MSR10.

If the company seeking coverage is a corporation, a limited liability company, a partnership, or a business trust, attach proof of its registration with the Mississippi Secretary of State and/or its Certificate of Good Standing. This registration or Certificate of Good Standing must be dated within twelve (12) months of the date of the submittal of this coverage form. Coverage will be issued in the company name as it is registered with the Mississippi Secretary of State.

Completed LCNOIs should be filed at least thirty (30) days prior to the commencement of construction. Discharge of storm water from large construction activities without written notification of coverage is a violation of state law.

Submittals with this LCNOI must include:
- **A site-specific Storm Water Pollution Prevention Plan (SWPPP) developed in accordance with ACT5 of the General Permit**
- **A detailed site-specific scaled drawing showing the property layout and the features outlined in ACT5 of the General Permit**
- **A United States Geological Survey (USGS) quadrangle map or photocopy, extending at least one-half mile beyond the facility property boundaries with the site location and outfalls outlined or highlighted. The name of the quadrangle map must be shown on all copies. Quadrangle maps can be obtained from the MDEQ, Office of Geology at 601-961-5523.**

Additional submittals may include the following, if applicable:
- **Appropriate Section 404 documentation from U.S. Army Corps of Engineers**
- **Appropriate documentation concerning future disposal of sanitary sewage and sewage collection system construction**
- **Appropriate documentation from the MDEQ Office of Land & Water concerning dam construction and low flow requirements**
- **Approval from County Utility Authority in Hancock, Harrison, Jackson, Pearl River and Stone Counties**
- **Antidegradation report for disturbance within Waters of the State**

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

O.C

MSR10 MSR109490

(NUMBER TO BE ASSIGNED BY STATE)

APPLICANT IS THE: ☑ OWNER ☐ PRIME CONTRACTOR

OWNER CONTACT INFORMATION

OWNER CONTACT PERSON: Mike Corsentino

OWNER COMPANY LEGAL NAME: MMR Group

OWNER STREET OR P.O. BOX: 15961 Airline Hwy

OWNER CITY: Baton Rouge **STATE:** LA **ZIP:** 70817

OWNER PHONE #: (225) 756-5090 **OWNER EMAIL:** mcorsentino@mmrgrp.com

PREPARER CONTACT INFORMATION

IF NOI WAS PREPARED BY SOMEONE OTHER THAN THE APPLICANT

CONTACT PERSON: Shelby Murray, PE

COMPANY LEGAL NAME: Clearpoint Consulting Engineers, P.A

STREET OR P.O. BOX: 1051 Jackson Road

CITY: Hattiesburg **STATE:** MS **ZIP:** 39402

PHONE # ( ) 601-261-2609 **EMAIL:** shelby@clearpointengineers.com

PRIME CONTRACTOR CONTACT INFORMATION

PRIME CONTRACTOR CONTACT PERSON: Richie Naquin

PRIME CONTRACTOR COMPANY LEGAL NAME: NATCO Design Build

PRIME CONTRACTOR STREET OR P.O. BOX: 8431 Airline Hwy

PRIME CONTRACTOR CITY: Baton Rouge **STATE:** LA **ZIP:** 70815

PRIME CONTRACTOR PHONE #: (225) 308-2021 **PRIME CONTRACTOR EMAIL:** richie@natcodb.com

FACILITY SITE INFORMATION

FACILITY SITE NAME: MMR Group Development

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: Saints Trail Northwest

CITY: Brookhaven STATE: MS COUNTY: Lincoln ZIP: 39601

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

LATITUDE: 31 **degrees** 34 **minutes** 34 **seconds** **LONGITUDE:** 90 **degrees** 29 **minutes** 12 **seconds**

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

TOTAL ACREAGE THAT WILL BE DISTURBED [1]: 8 Acres +/-

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: 2025-04-01 (YYYY-MM-DD)

ESTIMATED CONSTRUCTION PROJECT END DATE: 2026-04-01 (YYYY-MM-DD)

DESCRIPTION OF CONSTRUCTION ACTIVITY: Construct New Building, Parking Lot and Access Roads

PROPOSED DESCRIPTION OF PROPERTY USE AFTER CONSTRUCTION HAS BEEN COMPLETED:
Training Center,Bus Barn and School Offices

SIC Code: 5511 **NAICS Code** 441110

NEAREST NAMED RECEIVING STREAM: West Bogue Chitto

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 ☑

FOR WHICH POLLUTANT:

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):
Bude Silt Load, Providence Silt Loam, Ruston Soils

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?

IS A SDS SHEET INCLUDED FOR THE FLOCCULATE? YES ☐ NO ☑

WILL THERE BE A 50 FT BUFFER BETWEEN THE PROJECT DISTURBANCE AND THE WATERS OF THE STATE? YES ☑ NO ☐

IF NOT, PROVIDE EQUIVALENT CONTROL MEASURES IN THE SWPPP.

[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 THE PROJECT REROUTING, FILLING OR CROSSING A STATE WATER CONVEYANCE OF ANY KIND? (If yes, please provide an antidegradation report.) YES ☐ NO ☑

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 (I.E. MS4)WITH WHICH THE PROJECT MUST COMPLY:

_____

_____

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)

1-30-2025
Date Signed

Mike Corsentino
Printed Name[1]

Sr. V. P. Global Procurement
Title

[1]This application shall be signed as follows:

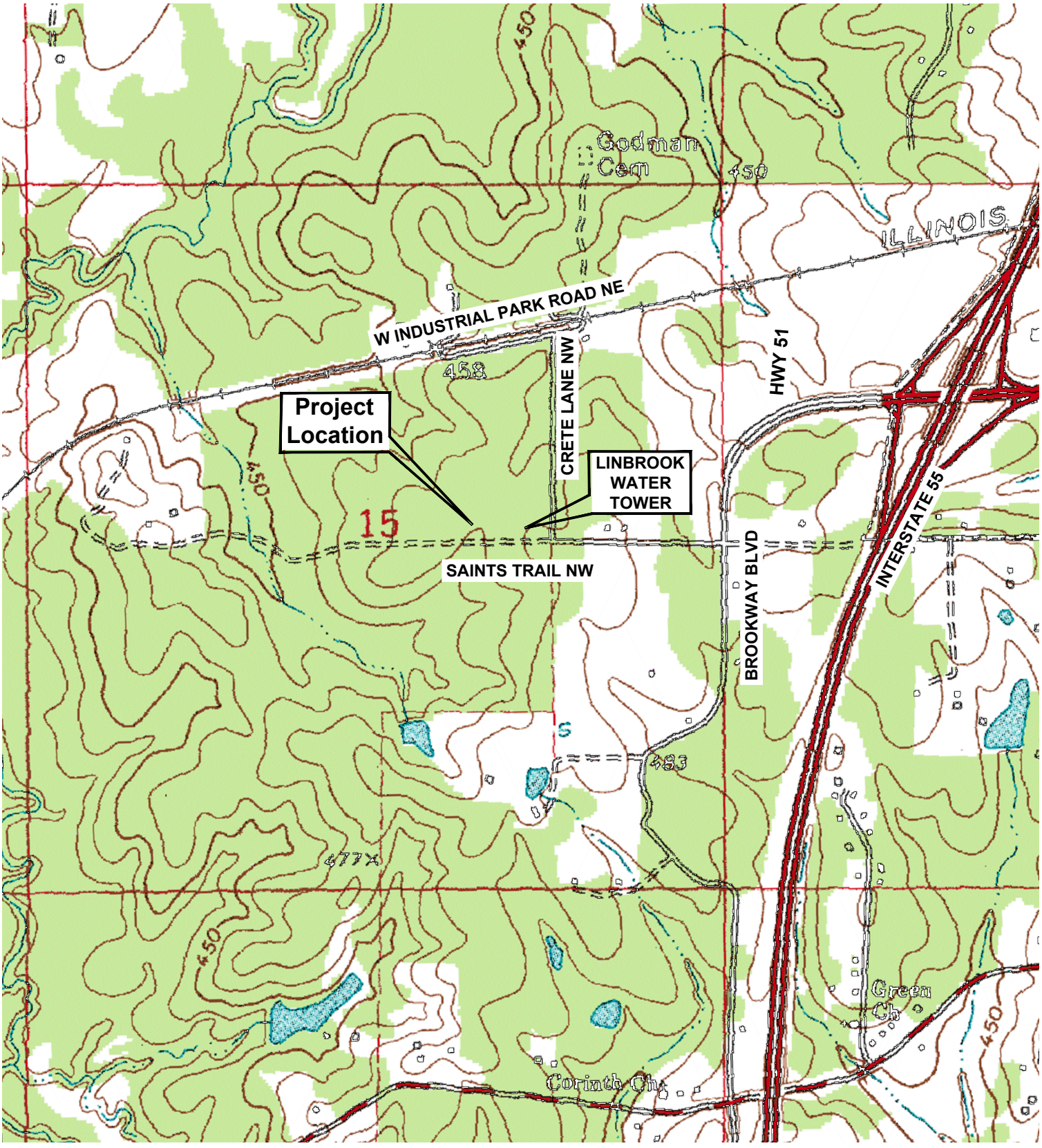
- **For a corporation, by a responsible corporate officer.**
- **For a partnership, by a general partner.**
- **For a sole proprietorship, by the proprietor.**

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

Electronically: **https://www.mdeq.ms.gov/construction-stormwater/**

Revised 3/23/22


Project Location
LINBROOK WATER TOWER
W INDUSTRIAL PARK ROAD NE
SAINTS TRAIL NW
CRETE LANE NW
HWY 51
BROOKWAY BLVD
INTERSTATE 55
ILLINOIS
Godman Cem
Corinth Ch
Green Ch
450
458
15
483
477

Map Scale: 1:2,610 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 35 70 140 210

Feet: 0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lincoln County, Mississippi
Survey Area Data: Version 22, Sep 6, 2024

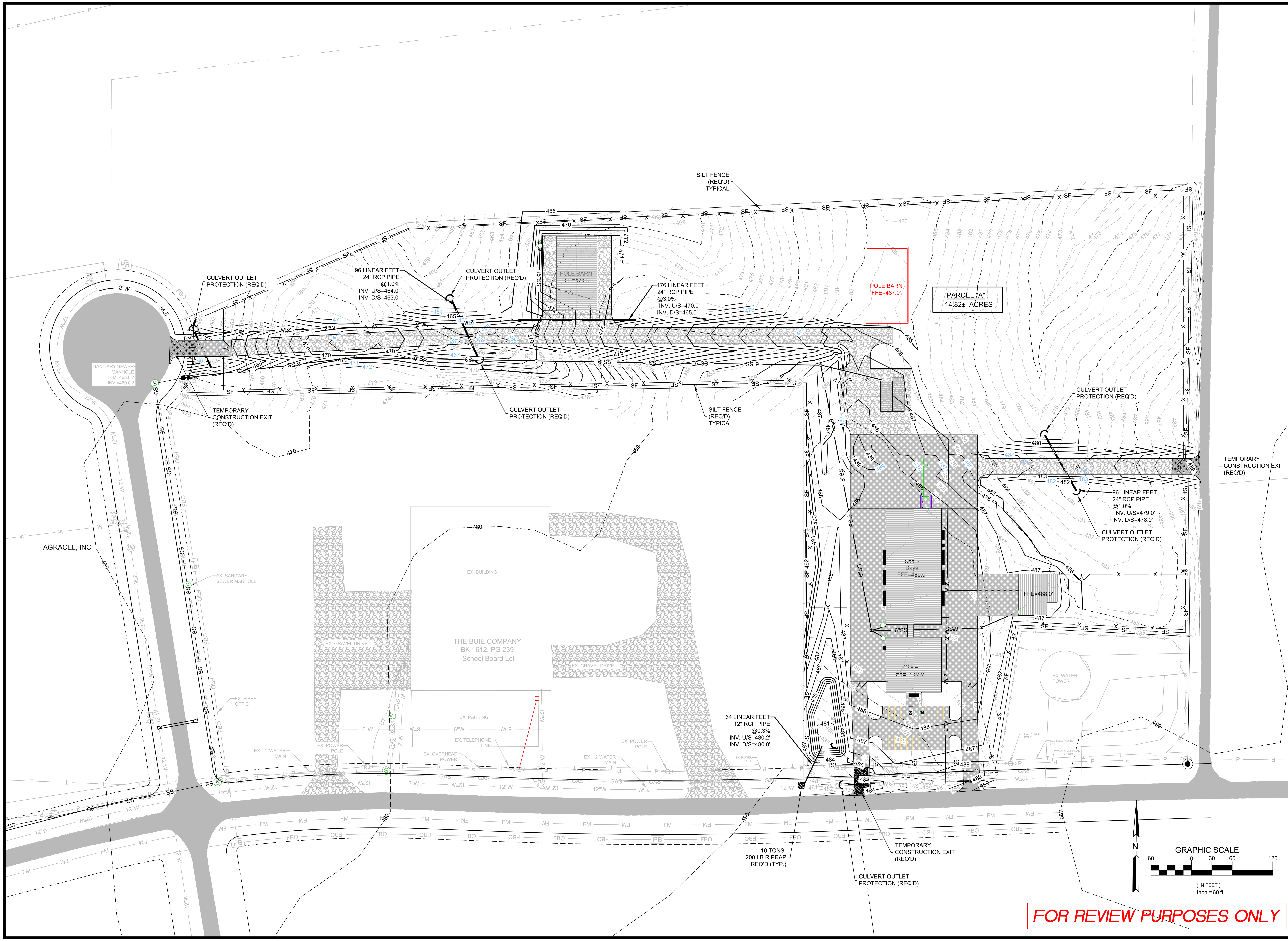
Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 16, 2021—Dec 23, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BuB2	Bude silt loam, 2 to 5 percent slopes, eroded	7.5	45.0%
PrC2	Providence silt loam, 5 to 8 percent slopes, eroded	5.0	29.8%
PrC3	Providence silt loam, 5 to 8 percent slopes, severely eroded	0.6	3.3%
RuD2	Ruston soils, 8 to 12 percent slopes, eroded (smithdale)	3.7	22.0%
Totals for Area of Interest		**16.7**	**100.0%**



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2987 Government Street |Baton Rouge, LA 70806
p 225.383.4321

RITTERMAHER.COM

CONSULTANT:

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PROJ. NO.: 70042168 | DRAWN BY: SDM

KEY PLAN:

SEAL:

SHELBY D. MURRAY
REGISTERED PROFESSIONAL
ENGINEER
PE-15155
2/10/25
STATE OF MISSISSIPPI

FOR REVIEW

REVISION SCHEDULE

NO:	DATE:	DESCRIPTION:

MMR GROUP

SAINTS TRAIL NORTHWEST

RMA PROJECT NO: 70042168

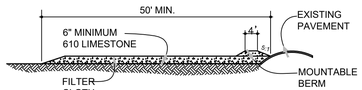
Erosion Control Plan

SHEET NO.

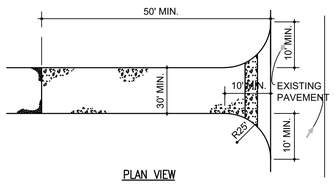
C2.1

NOT FOR CONSTRUCTION

610 LIMESTONE IS NOT REQUIRED
FOR CONSTRUCTION EXIT



PROFILE



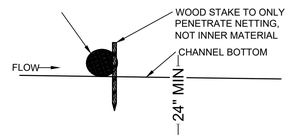
PLAN VIEW

STABILIZED CONSTRUCTION EXIT

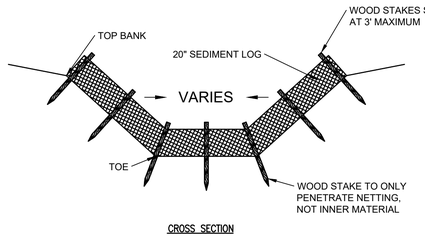
1. STONE SIZE - USE #2 STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET.
3. DEPTH - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - THIRTY (30) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

1 TEMPORARY CONSTRUCTION EXIT

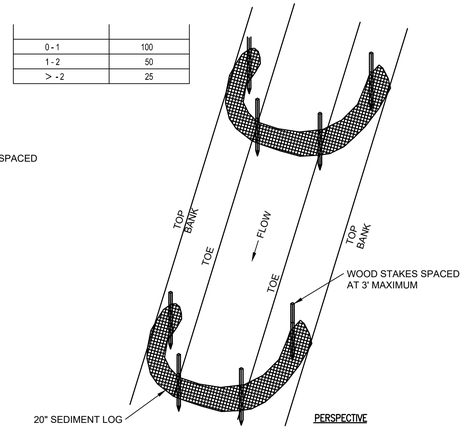
SCALE: NOT TO SCALE



0 - 1	100
1 - 2	50
> - 2	25



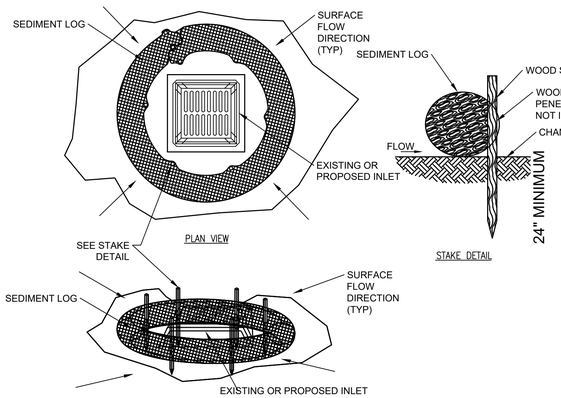
CROSS SECTION



PERSPECTIVE

2 SEDIMENT LOG DITCH CHECK

SCALE: NOT TO SCALE

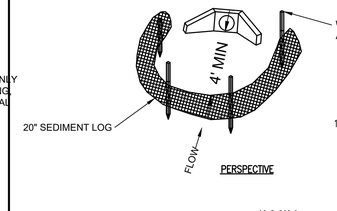


PLAN VIEW

STAKE DETAIL

3 SEDIMENT LOG INLET PROTECTION

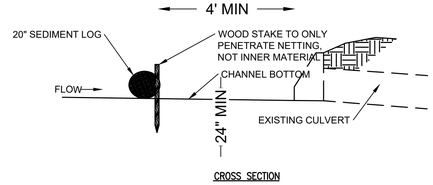
SCALE: NOT TO SCALE



PERSPECTIVE

NOTES:

1. SEDIMENT LOG BARRIER TO BE USED AROUND INLETS AND OTHER OPENINGS INTO DRAINAGE SYSTEMS THROUGHOUT CONSTRUCTION.



CROSS SECTION

4 SEDIMENT LOG CULVERT SEDIMENT BARRIER

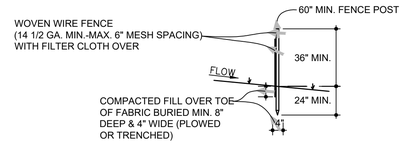
SCALE: NOT TO SCALE

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

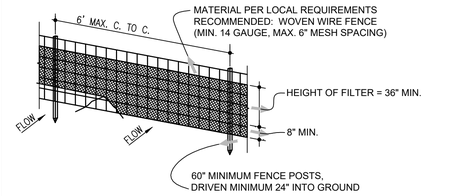
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO SILT FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID-SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY (6) INCHES AND FOLDED.
4. LOCATE POSTS DOWNSLOPE OF FABRIC FOR FENCE SUPPORT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

   POSTS: STEEL EITHER "T" OR "U" TYPE
   POSTS: LOCATED MAXIMUM 6' O. C.
   FENCE: PER LOCAL REQUIREMENTS OR WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING
   FILTER CLOTH: FILTER X, MIRAFI 100X, STABI-LINKA T140N OR APPROVED EQUAL.
   PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

6. INDICATED ON EROSION CONTROL PLANS AS " —SF— "



WIRE BACKING NOT REQUIRED ON SILT FENCE.



7 SILT FENCE EROSION PROTECTION

SCALE: NOT TO SCALE

1. ALL NEWLY CUT AND/OR FILLED AREAS LACKING ADEQUATE VEGETATION SHALL BE SEEDED, FERTILIZED, MULCHED AND/OR SODDED AS REQUIRED TO EFFECTIVELY PREVENT SOIL EROSION.
2. SILT FENCES AND HAY BALES SHALL BE USED AS SHOWN AND AS DIRECTED BY THE ENGINEER TO CONTROL SOIL EROSION.
3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN EROSION CONTROL DURING CONSTRUCTION BY THE PLACEMENT OF SILT FENCES AND/OR HAY BALES WHERE NECESSARY TO PREVENT DOWNSTREAM SILTATION OF ANY DITCHES, PIPES, DRAINAGE STRUCTURES, OR ADJACENT PROPERTIES. THE CONTRACTOR SHALL PROVIDE ANY ADDITIONAL EROSION CONTROL AS NEEDED OR AS DIRECTED BY THE ENGINEER.
4. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE STATE OF MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY (MDEQ) OFFICE OF POLLUTION CONTROL (OPC) STORM WATER CONSTRUCTION GENERAL PERMIT FOR ALL EROSION CONTROL DURING CONSTRUCTION ACTIVITIES.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION CONTROL DEVICES AND REPORTING ANY MAINTENANCE AS REQUIRED BY THE STATE OF MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY (MDEQ) OFFICE OF POLLUTION CONTROL (OPC) STORM WATER CONSTRUCTION GENERAL PERMIT DURING CONSTRUCTION ACTIVITIES.
6. PROVISIONS SHALL BE MADE TO PROTECT DOWNSTREAM WATERCOURSES (I.E., STORM SEWER SYSTEMS, DITCHES, WETLANDS, ETC.) FROM SEDIMENT RUNOFF DEVELOPED FROM THE CONSTRUCTION PROCESS. PROVISIONS INCLUDE, BUT ARE NOT LIMITED TO, STRUCTURAL CONTROLS SUCH AS SILT FENCING, GEOTEXTILE FABRIC PROTECTION OF STORM SEWERS, HAY BALES, DIKES AND SANDBAG BERMS; AND/OR VEGETATION CONTROLS SUCH AS SEEDING OR EXISTING VEGETATIVE BUFFER STRIPS (MINIMUM 25 FEET WIDE).
7. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL INSTALL EROSION AND SEDIMENTATION CONTROLS AT LOCATIONS SHOWN ON PLANS.
8. CONTRACTOR SHALL PERFORM DAILY STREET CLEANING ON ROADS AND STREETS ADJACENT TO THE PROJECT WHICH ARE USED AS ACCESS ROUTES FOR CONSTRUCTION TRAFFIC IF DIRT AND MUD IS NOT ADEQUATELY REMOVED FROM VEHICLES AT THE STABILIZED CONSTRUCTION EXITS.
9. LOCATE FUEL/MATERIAL STORAGE AREAS AWAY FROM STORMWATER CONVEYANCE SYSTEMS. USE A MINIMUM 60 MIL POLYETHYLENE LINER UNDER ABOVE GROUND STORAGE TANKS. USE 2 FOOT HIGH BERMS AROUND FUEL STORAGE AREAS.
10. CONTRACTOR WILL ADVISE OWNER IMMEDIATELY, VERBALLY, AND IN WRITING, OF ANY FUEL SPILLS ONTO THE PROJECT/CONSTRUCTION AREA AND THE ACTIONS TAKEN TO REMEDY THE PROBLEM.
11. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL ENVIRONMENTAL LAWS.
12. CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF FUELS, MATERIALS AND CONTAMINATED EXCAVATIONS IN A LEGALLY APPROVED MANNER.
13. CONTRACTOR SHALL INSPECT ALL STRUCTURAL CONTROLS WITHIN 24 HOURS AFTER ANY STORM EVENT THAT MEETS OR EXCEEDS 0.5 INCHES OF RAINFALL IN A 24 HOUR PERIOD. DURING PROLONGED RAINFALL EVENTS, CONTRACTOR SHALL INSPECT STRUCTURAL CONTROLS ON A DAILY BASIS. AT A MINIMUM, STRUCTURAL CONTROLS SHOULD BE INSPECTED ONCE EVERY 14 CALENDAR DAYS. A QUALIFIED REPRESENTATIVE OF THE CONTRACTOR, AS APPROVED BY THE OWNER, SHALL PROVIDE THESE INSPECTIONS. SHOULD CONTROLS BECOME INEFFECTIVE, NECESSARY REPAIRS SHALL BE PERFORMED TO RETURN THE INTEGRITY OF THE STRUCTURAL CONTROLS. REMOVE ALL SEDIMENT IF IT ACCUMULATES TO 1/3 THE HEIGHT OF THE SILT FENCE.
14. CONTRACTOR SHALL MAINTAIN, REPAIR AND/OR REPLACE DAMAGED EROSION AND SEDIMENTATION CONTROL SYSTEMS THROUGHOUT THE DURATION OF THE CONTRACT, NO SEPARATE PAY.
15. CONTRACTOR WILL PROVIDE PROTECTED STORAGE AREAS FOR CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS AND OTHER POTENTIALLY TOXIC MATERIALS.
16. EQUIPMENT STAGING AREA TO BE DESIGNATED BY CONTRACTOR AND APPROVED BY OWNER PRIOR TO CONSTRUCTION.
17. AT COMPLETION OF THE CONTRACT, OWNER AND/OR OWNER'S REPRESENTATIVE WITH THE CONTRACTOR SHALL EXAMINE EROSION AND SEDIMENTATION CONTROL SYSTEMS BEFORE RELIEVING CONTRACTOR OF HIS MAINTENANCE RESPONSIBILITIES.
18. CONTRACTOR SHALL SOLID SOD DISTURBED AREAS IMMEDIATELY AFTER REACHING FINAL GRADE.

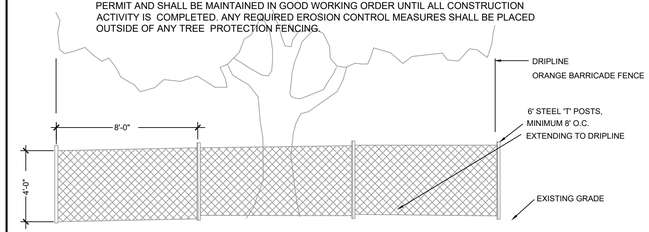
5 EROSION CONTROL NOTES

SCALE: NOT TO SCALE

TREE PROTECTION NOTES:
1. THE CRITICAL ROOT AREA OF THE TREES THAT ARE INDICATED TO REMAIN MUST BE PROTECTED, AT A MINIMUM, BY A PROTECTIVE FENCE LOCATED AT A RADIUS MEASURED 1.25 FEET FOR EVERY INCH IN DIAMETER OF THE TREE, OR AT THE DRIP LINE, WHICHEVER IS GREATER. FOR A GROUP OF TREES, A PROTECTIVE FENCE SHALL BE PLACED OUTSIDE THE CRITICAL ROOT RADIUS OF ALL TREES IN THE GROUP.

2. AFTER THE AREAS TO BE SELECTIVELY CLEARED ARE COMPLETED, THE CONTRACTOR SHALL INSTALL THE TREE BARRIER AS INDICATED AROUND THOSE AREAS.

3. ALL TREE PROTECTION FENCING SHALL BE IN PLACE PRIOR TO THE ISSUANCE OF A GRADING PERMIT AND SHALL BE MAINTAINED IN GOOD WORKING ORDER UNTIL ALL CONSTRUCTION ACTIVITY IS COMPLETED. ANY REQUIRED EROSION CONTROL MEASURES SHALL BE PLACED OUTSIDE OF ANY TREE PROTECTION FENCING.



6 TREE PROTECTION - ORANGE BARRIER DETAIL

SCALE: NOT TO SCALE

FOR REVIEW PURPOSES ONLY

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REVISION SCHEDULE

NO:	DATE:	DESCRIPTION:

MMR GROUP

SAINTS TRAIL NORTHWEST

RMA PROJECT NO: 70042168

Erosion Control Plan

SHEET NO.

C7.1

NOT FOR CONSTRUCTION