STORMWATER POLLUTION PREVENTION PLAN

Grandview Heights Sewer Rehabilitation
Sanitary Sewer Construction
Pearl, MS
Rankin County

RELATED TO

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY NPDES GENERAL PERMIT STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES

NPDES PERMIT NUMBER MSR 10 (to be assigned)

OWNER
City of Pearl
2420 Old Brandon Road
Pearl, MS 39208
Office 601-932-2262

Hemphill Construction Company Inc.
Brady Knight
bknight@hemphillconstruction.com
P.O. Drawer 879
Florence, MS 39073
Office: 601-326-9116
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PRIME CONTRACTOR:

PREPARATION OF SWPPP:	**May 17, 2023**
ESTIMATED START DATE:	**June 15, 2023**
ESTIMATED COMPLETION OF CONSTRUCTION:	**March 30, 2024**

This SWPPP includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed--in whole or in part--for any purpose other than to evaluate this SWPPP. This restriction does not limit the Government's right to use information contained in this data if it is obtained from another source without restriction. The data subject to this restriction are contained in the following sheets.

Contents

Section 1 Site Evaluation, Assessment, and Planning

1.1 Project Information/Site Information

Storm water runoff from construction activities can have a significant impact on water quality. As storm water flows over a construction site, it can pick up pollutants like sediment, debris, and chemicals and transport these pollutants to a nearby storm sewer system or directly to a river, lake, or coastal water. Sedimentation and debris can clog waterways and potentially kill marine wildlife and impact habitat. Storm water discharges from construction activities that disturb one or more acres, or smaller sites that are part of a larger common plan of development or sale, are regulated under the National Pollutant Discharge Elimination System (NPDES) storm water program. Prior to discharging storm water, construction operators must obtain coverage under an NPDES permit, which is administered by the Mississippi Department of Environmental Quality (MDEQ) through the U.S. Environmental Protection Agency (EPA). The purpose of the SWPPP is to identify potential contaminants to storm water, describe BMPs and control measures, and maintain compliance with the terms and conditions of the Small Construction General Permit (SCGP). This SWPPP was prepared in accordance with the *MDEQ SWPPP Guidance Manual for Construction Activities* and the *Mississippi Department of Transportation Stormwater Standards.*

The construction project is located in Rankin County, in the City of Pearl. The project consists of laying 6465 LF of sewer main.

SITE INFORMATION							
NPDES Tracking Number:	10 (to be assigned)						
Project:	Grandview Heights Sewer Rehabilitation						
City:	Pearl	**State:**	MS	**Zip Code:**	39208	**County:**	Rankin
Latitude:				**Longitude:**			
1.	32 º 15 ' 39.06 '' N (d, m, s)			**1.**	-90º 09' 10.39'' W (d, m, s)		
2.	32 º 15 ' 28.33 '' N (d, m, s)			**2.**	-90º 08' 47.18'' W (d, m, s)		
3.	32 º 15 ' 27.27 '' N (d, m, s)			**3.**	-90º 08' 31.24'' W (d, m, s)		
4.	32 º 15 ' 40.02 '' N (d, m, s)			**4.**	-90º 08' 16.37'' W (d, m, s)		
Method for determining latitude/longitude:							
☐ USGS topographic map (specify scale: _____)				☐ EPA Web site			
☐ GPS		☒ Google Earth		☐ Other (specify:)			

1.2 Contact Information / Responsible Parties

REGULATORY AGENCIES	
Agency	**Contact Information**
National Response Center	(800) 424-8802 (24 hour)
Mississippi Department of Environmental Quality	Emergency Services Division P.O. Box 2261 Jackson, Mississippi 39225 Telephone (601) 354-9100 (24 hour)
Mississippi Emergency Management Agency (MEMA)	1410 Riverside Drive Jackson, Mississippi 39202 Telephone (601) 352-9100 (24 hour)
U.S. EPA Region 4	Sam Nunn Atlanta Federal Center 61 Forsyth Street, SW Atlanta, GA. 30303 Telephone (800)241-1754

OWNER	
Contact Information	**Narrative**
City of Pearl 2420 Old Brandon Road Pearl, MS 39208 Off. 601-932-2262	The City of Pearl owns the land/or has easements within the project area. The owner's representative is Pickering in Flowood, MS.

PRIME CONTRACTOR / SWPPP DEVELOPER	
Contact Information	**Narrative**
Project Manager: Hemphill Construction Company, Inc. Brady Knight 601.326.9116 (Office) 601.932.2550 (Fax) bknight@hemphillconstruction.com **SWPPP Developer:** Hemphill Construction Company, Inc. Brady Knight 601.326.9116 (Office) 601.932.2550 (Fax) bknight@hemphillconstruction.com	Hemphill Construction is the initial permittee applying for permit coverage and will be primarily responsible for developing and implementing this SWPPP. Hemphill Construction is responsible for overall site development including grading and infrastructure of the project. Hemphill Construction will implement and maintain the best management practices (BMPs), conduct inspections and address stormwater over the entire site including all areas disturbed by construction activities, areas used for materials storage, discharge points, and construction exits. Qualified storm water personal must certify that all measures outlined in the SWPPP are in effect before groundbreaking begins, and verify that the site has been stabilized when construction is complete. Hemphill Construction's staff meets this requirement by employing staff that are certified.

SUPERINTENDENT / 24 HOUR CONTACT	
Contact Information	**Narrative**
Hemphill Construction Company, Inc. Charles Smith 601.932.2060 (Office) 601.932.2550 (Fax) 662-750-3261 (Mobile)	Hemphill Construction's project superintendent(s) shall have primary responsibility and significant authority for the implementation, maintenance, inspection and amendments to the approved SWPPP. The superintendent will be available at all times throughout the duration of the project. Duties of the Site Superintendent include but are not limited to: • Ensuring full compliance with the SWPPP and the Permit • Implementing all elements of the SWPPP, including but not limited to implementation of prompt and effective erosion and sediment control measures, and implementing all non-storm water management, and materials and waste management activities. • Pre-storm / Post-storm inspections • Routine inspections as specified in the project's specifications or described in the SWPPP • Updates/Amendments to the SWPPP, as needed • Ensuring elimination of all unauthorized discharges • Is assigned authority to mobilize crews in order to make immediate repairs to the control measures • Assure all of the necessary corrections/repairs are made immediately, and that the project complies with the SWPPP, the Permit and approved plans at all times • Submitting Notices of Discharge and reports of Illicit Connections or Illegal Discharges This Hemphill Construction employee will be available at all times for emergency 24 hour contact.

SUBCONTRACTORS	
Contact Information	**Narrative**
Unknown at this time	Clearing

1.3 Nature and Sequence of Construction Activity

The project work consists of laying 4950 LF of new 8" force main and rehabbing two pump stations..

Function of the construction activity:

☐ Residential ☐ Commercial ☐ Industrial ☐ Road Construction ☒ Linear Utility

Estimated Timeline of Activity	Construction Activity and BMP Descriptions
6/15/23	***Notice to Proceed***
6/15/23 – 7/15/23	***Clearing Operations*** • Install silt fence as needed • Seed disturbed areas
7/15/23 - 3/30/24	***Lay Sewer Line*** • Install silt fence as needed • Seed disturbed areas
3/30/24	***Estimated Final Completion*** • Submit notice of termination

1.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Soil Type(s):

In general, insitu materials and subgrade soils encountered on the site include material classified as silty clay (CL) from the surface to a depth of approximately 11 to 12 feet. Below the silty clay (CL) is a layer of Clayey Sand (SC) and Sand (SP) to a depth of approximately 30 feet. Clay (CH) material is found at a depth of approximately 30 feet.

Slopes:

The existing project terrain is generally flat with minimum slopes.

Drainage Patterns:

Existing site runoff is believed to flow into Richland Creek and then into the Pearl River.

Vegetation:

The existing project area is wooded and will be cleared as a part of construction activities. The disturbed areas will be grassed.

1.5 Construction Site Estimates

Construction Site Area to be disturbed:	10	acres
Total Project Area:	10	acres
Percentage impervious area before construction:	100	%
Runoff coefficient before construction:	0.15	
Percentage impervious area after construction:	100	%
Runoff coefficient after construction:	0.15	

1.6 Receiving Waters and Storm Sewer Systems

Description of Receiving Waters:

Runoff from the site enters Richland Creek then the Pearl River

Description of Storm Sewer Systems:

No storm drainage system exists on the site.

1.7 Site Features and Sensitive Areas to be protected

Description of unique features that are to be preserved:

No unique feature exist on the proposed site.

1.8 Potential Sources of Pollution

Potential sources of sediment to stormwater runoff:

Clearing & Grubbing
Utility Construction

Potential pollutants and sources, other than sediment, to stormwater runoff:

Material/Chemical	Physical Description	Stormwater Pollutants	Location
Pesticides (insecticides, fungicides, herbicides, rodenticides)	Various colored to colorless liquid, powder, pellets, or grains	Chlorinated hydrocarbons, organophosphates, carbonates, arsenic	Herbicides used for noxious weed control
Fertilizer	Liquid or solid grains	Nitrogen, phosphorous	Newly seeded areas
Plaster	White granules or powder	Calcium sulphate, calcium carbonate, sulfuric acid	Building construction
Cleaning solvents	Colorless, blue, or yellow-green liquid	Perchloroethylene, methylene chloride, trichloroethylene, petroleum	Secondary containment/staging
Asphalt	Black solid	Oil, petroleum distillates	Streets
Concrete	White solid/grey liquid	Limestone, sand, pH, chromium	Curb and gutter, major/minor structures
Glue, adhesives	White or yellow liquid	Polymers, epoxies	Utility/Building construction
Paints	Various colored liquid	Metal oxides, Stoddard solvent, talc, calcium carbonate, arsenic	Utility/Building construction
Curing compounds	Creamy white liquid	Naphtha	Curb and gutter, major/minor structures
Wood preservatives	Clear amber or dark brown liquid	Stoddard solvent, petroleum distillates, arsenic, copper, chromium	Timber pads and Structural construction
Hydraulic oil/fluids	Brown oily petroleum hydrocarbon	Mineral oil	Leaks or broken hoses from equipment
Gasoline	Colorless, pale brown or pink petroleum hydrocarbon	Benzene, ethyl benzene, toluene, xylene, MTBE	Secondary containment/staging area
Diesel Fuel	Clear, blue-green to yellow liquid	Petroleum distillate, oil & grease, naphthalene, xylenes	Secondary containment/staging
Kerosene	Pale yellow liquid petroleum	Coal oil, petroleum distillates	Secondary containment/staging
Antifreeze/coolant	Clear green/yellow liquid	Ethylene glycol, propylene glycol, heavy metals	Leaks or broken hoses from equipment
Sanitary toilets	Various colored liquid	Bacteria, parasites, and viruses	Staging area

1.9 Endangered Species Certification

Are endangered or threatened species and critical habitats on or near the project area? ☐Yes ☐No ☒Unknown

All work is within easements by the City of Pearl

1.10 Historic Preservation

Are there any historic sites on or near the construction site? ☐Yes ☐No ☒Unknown

All work is within easements by the City of Pearl

1.11 Applicable Federal, Tribal, State or Local Programs

The Rankin County and City of Pearl Stormwater Ordinance specifies design requirements that match those requirements of the Mississippi Department of Environmental Quality.

Section 2 Erosion and Sediment Control BMPs

2.1 Implementation Requirements:

Hemphill Construction is responsible for implementing each phase of the SWPPP as required by the LCGP. Failure to implement each phase of the SWPPP before construction activities for the subsequent phase begins is a violation of the LCGP and a potential penalty. Hemphill Construction will install needed erosion controls even if the controls may be located in the way of subsequent activities, such as utility installation, grading, and/or construction. It will not be an acceptable defense that controls were not installed because subsequent activities would require their replacement or cause their destruction. All construction activities will be limited to the footprint of the project site described on the site plan. All construction limits will be staked and/or flagged by a surveyor as needed.

2.2 Minimize Disturbed Area and Protect Natural Features and Soil

The majority of the project is heavily wooded. Clearing Operations will be held to a minimum as necessary for utility excavation.

Preservation of Existing Vegetation	**BMP**
***BMP Description*:**	Minimize area to be cleared
Installation Schedule:	Minimize area to be cleared
Maintenance and Inspection:	N/A

2.3 Phase Construction Activity

The Project schedule has been designed to limit the exposure of exposed soil, and sequencing construction activities and the implementation of BMPs while taking local climate (rainfall, wind, etc.) into consideration. To minimize erosion during grading activities, grading and site work will be conducted during periods of regular dry weather.

Scheduling	**BMP**
BMP Description:	The purpose is to reduce the amount and duration of soil exposed to erosion by wind, rain, runoff, and vehicle tracking, and to perform the construction activities and control practices in accordance with the planned schedule.
Installation Schedule:	The areas of the site that will remain vegetated after construction will be graded first and stabilized with conventional seeding or hydromulch immediately after grading activities are completed. All other areas of the construction site will be stabilized if site work is not planned for more than 14 days. To minimize potential erosion from the site, only areas necessary to construct the earth dikes and drainage swales, sediment trap, and construction exits will be disturbed initially. These areas will be cleared, grubbed, and graded and installed. These areas will be stabilized immediately after construction but no later than 14 days after construction ceases. Overall grubbing, clearing, grading will be conducted. Areas graded during this time period will be stabilized with conventional seeding or hydromulch immediately after construction but no later than 14 days after construction ceases.
Maintenance and Inspection:	Verify that work is progressing in accordance with the schedule. If progress deviates, take corrective actions. Amend the schedule when changes are warranted. Amend the schedule prior to the rainy season to show updated information on the deployment and implementation of construction site BMPs.

2.4 Control Stormwater Flowing onto and through the Project

The following BMPs are not planned for use at this time but can be implemented if needed. Storm water discharges, including both peak flow rates and total storm water volume will be controlled onsite. These BMP's will minimize the erosion rate by reducing the velocity of storm water in areas of concentrated flow, and will minimize erosion at outlets and minimize downstream channel and stream bank erosion. During excavation/undercut operations any pooled water will be pumped through BMP's before discharging into open streams.

Earth Dikes and Drainage Swales	**BMP**
***BMP Description*:**	Earth dikes and drainage swales will be used to divert off site/ up slope runoff around the Project, divert runoff from stabilized areas and disturbed areas, and direct runoff into appropriate devices. Dikes may be constructed from excavated material using heel of motor grader, bulldozer blade and constructed a minimum of two foot in width and eighteen inches tall. The depth of the dike will approximately be twelve to eighteen inches.
Installation Schedule:	Both earth dikes and drainage swales will be installed before site grading operations begin. All dikes and swales will have a trapezoidal shape with a slope ratio no less than 2:1. Both dikes and swales stabilized with a dense cover of temporary or permanent grasses, mulch and erosion control blankets immediately after final grade is reached, appropriate ditch checks as required.
***Maintenance and Inspection*:**	Both dikes and swales will be inspected for erosion and structural failures weekly and immediately before and after storm events. Temporary conveyances will be completely removed as soon as the surrounding drainage area has been stabilized or at the completion of construction. Before vegetation has been established, it will be inspected for erosion and accumulation of debris and sediment.

Slope Drains	**BMP**
***BMP Description*:**	A slope drain is a pipe, aggregate or concrete chute used to intercept and direct surface runoff or groundwater into a stabilized area. Slope drains are used with earth dikes and drainage ditches to intercept and direct surface flow away from slope areas to protect cut of fill slopes.
Installation Schedule:	Slope drains must be securely anchored to the slope and must be adequately sized to carry the design storm. Outlets will be stabilized with some type of energy dissipater device.
***Maintenance and Inspection*:**	Inspection will be made prior to forecast rain, daily during extended rain events, after rain events, and weekly during non-rainy season. Inspections of leakage, scour, and slope drain debris and sediment accumulations will be performed and

Ditch Checks / Check Dams	BMP
BMP Description:	This BMP is a perspective of "tool box" temporary practices that will be used. Ditch checks and check dams will be installed to control runoff velocity and thus reduce erosion and provide for trapping of sediments. Hay bales have historically been used on construction sites for erosion and sediment control. The EPA recommends that other BMP's options be considered. Hay Bales will be used only as a last resort, and only for low volume flows in low to moderate gradient ditches and drainage swales. Silt fence ditch checks will be used to intercept low volume flows in low to moderate sheet flow. Sand bag ditch checks will be used for velocity reduction and minimal sediment trapping in paved ditches or rocky bottoms. Wattle ditch checks will be mainly used for velocity reduction and control of sediment transport under low to medium flow conditions. Silt dikes will be used in ditches with concentrated flows where rock ditch checks cannot be used as construction progresses. Sand or Rock ditch checks will be placed in ditches to assure on-site sediment trapping requirements are met. Rock ditch checks with sump excavation will be used when ditches receive drainage from cut or fill slopes or critical areas.
Installation Schedule:	In general ditch checks will not be placed in live streams. Selection of the appropriate ditch check will be a function of the construction phase, drainage area, ditch gradient, soil type, and safety. Configuration and spacing will be adjusted as required to accommodate safety, water flow, or soil and installation challenges. Maximum spacing between dams should be such that the toe of the upstream dam is at the same elevation as the top of the downstream dam. Stone checks should be constructed of graded size 2-inch to 10-inch diameter stone. Mechanical or hand placement may be required to insure complete coverage of the entire width of ditch and that the center of dam is lower than the edges. If the area is to be mowed, check dams should be removed once final stabilization has occurred. After removal, the area beneath the dam will be seeded and mulched immediately.
Maintenance and Inspection:	Ditch checks will be removed for maintenance and/or replacement but will remain in place until upslope areas have been permanently stabilized. Maintenance includes removal of sediment beginning when sediment accumulation reaches 1/3 the capacity or height of the structure and never allowing for sediment to accumulate more than ½ the volume or height of the ditch check structure. Erosion from washouts around the checks will be repaired. Wattle ditch checks degrade and will be replaced on a regular basis.

2.5 Stabilize Soils

Hemphill Construction will initiate stabilization measures on disturbed areas as soon as practicable, but no more than 7 days after construction activity has temporarily or permanently ceased, except where earth disturbing activity will resume within 14 days from cessation.

Temporary Grassing	BMP
***BMP Description*:**	In areas where disturbance results in subsoil being not the final grade surface, or construction activities will temporarily cease for more than 14 days, Temporary seeding will be required. Fertilizer will be applied to the seedbed according to the engineer's recommendations or soil tests. The top layer of soil will be loosened to a depth of 3–5 inches by raking, tilling, disking or other suitable means. Seed will be applied uniformly by hydroseeding or broadcasting. Where broadcasting is used, the seed will be covered with .25 inch of soil or less, by cultipacking or raking. Hydromulch or straw mulch will be applied immediately following seeding at an application rate of 4,000-6,000 pounds per acre. All disturbed areas are scheduled to be stabilized well before winter; however, if any vegetated areas show signs of erosion, mulch will be applied at the same rate as described above.
Installation Schedule:	Portions of the site where construction activities will temporarily cease for more than 14 days will be stabilized with mulch. Winter stabilization will occur between November 25th and March 15.
***Maintenance and Inspection*:**	Mulched areas will be inspected weekly and after storm events to check for movement of mulch or erosion. If washout, breakage, or erosion occurs, the surface will be repaired, and new mulch will be applied to the damaged area.

2.6 Protect Slopes

The following BMPs are not planned for use at this time but can be implemented if needed. During each Phase of the project surface roughening will be required before leaving the project each day. At this time no erosion control blankets will be used for this project; however, if areas arise for this BMP it will be used.

Surface Roughening	BMP
***BMP Description*:**	Surface roughening provides a rough soil surface with horizontal depressions created by operating a tillage or other suitable implement on the contour, or by leaving slopes in a roughened condition by not fine-grading them.
Installation Schedule:	Surface roughening will be utilized in the cast that slopes exceed 3:1. Machinery will be run perpendicular to the slope for optimal efficiency.
***Maintenance and Inspection*:**	Slopes will be inspected weekly. Temporary seeding will be applied immediately on portions of the site but no later than 14 days after construction activities have ceased.

Geotextile Erosion Control Blanket	BMP
BMP Description:	Geotextile erosion control blankets will be used to provide stabilization for slopes. The bottom and side slopes will be seeded and mulched before the blanket is applied. The blanket will be installed by digging a small trench on the upside of the slope, 12 inches wide by 6 inches deep, and stapling the leading edge of the blanket in the trench. The blanket will be rolled down the slope slowly to maintain soil contact and stapled in 12-inch intervals. If the blanket cannot cover the entire slope, the blankets will be overlapped and stapled at the overlapped edge. The erosion control blanket will always be installed according to the manufacturer's instructions and specifications.
Installation Schedule:	The erosion control blankets will be installed once the structure has reached final grade and the vegetation is applied. The surface will be free of rocks, clods, sticks and grass. The blankets will have good soil contact. Lay blankets loosely and staple to maintain direct contact with the soil. Do not stretch. Install per manufacturer's recommendations.
Maintenance and Inspection:	The erosion control blanket will be inspected weekly and immediately after storm events to determine if cracks, tears, or breaches have formed in the fabric; if so, the blanket will be repaired or replaced immediately. Good contact with the soil must be maintained and erosion should not occur under the blanket. Any areas where the blanket is not in close contact with the ground will be repaired or replaced.

2.7 Protect Storm Drain Inlets

No inlets exist within the project area.

Existing and Proposed Inlet Protection	BMP
***BMP Description*:**	This BMP is a perspective of "tool box" temporary practices that will be used. Structures will be protected in different stages. Stage 1 will be excavation for the structure. Plywood will be used to cover the lower half of the pipe opening, and a ditch check and/or sediment barrier will be placed upstream. Stage 2 the structure will be placed, connecting the pipes. The structure will be backfilled protected completely with ditch checks and/or sediment barriers. Stage 3 the top and/or grate will be installed and inlet protection devices of ditch checks and/or sediment barriers installed. Stage 4 (if required) ancillary flumes will be tied to the inlet and ditch checks and/or sediment barriers will be installed until final grassing. Should inlets in sag conditions be required for long periods of time without final grassing being achieved, a Silt Saver will be installed. This description is better explained in the attached details of the Erosion Control Plans.
Installation Schedule:	Inlets, catch basins, and junction boxes will be installed from downstream to upstream design conditions. This will allow water not to be trapped on the project.
***Maintenance and Inspection*:**	All inlet protection will be inspected weekly and immediately before and after storm events. If the inlet becomes clogged with sediment, the BMP will be removed and cleaned or replaced.

2.8 Establish Perimeter Controls and Sediment Barriers

To maintain silt on-site, silt fence and brush barriers will be used as necessary..

Silt Fence and Super Silt Fence	BMP
***BMP Description*:**	Silt fences will be installed by excavating a 6x6 inch-deep trench or direct bury along the line of proposed installation. Metal posts supporting the silt fence will be spaced 10 feet apart and driven securely into the ground; a minimum of 24 inches deep. The fence will be backed with woven wire fabric. The silt fence will be fastened securely to the posts with wire ties spaced every 24 inches at the top, mid-section, and bottom of the post. The bottom edge of the silt fence will extend across the bottom of the trench and the trench will be backfilled and compacted to prevent stormwater and sediment from discharging underneath the silt fence. This item is more detailed in the attached Erosion Control Plan. If required, Super Silt Fence may be required and details are attached in the Erosion Control Plan.
Installation Schedule:	The silt fences will be installed before construction begins at the site and around topsoil stockpiles once they have been established. Depending on flow characteristics, the woven wire fabric may not be required around stockpiles. If characteristics surface this option, the posts will be spaced at 6 foot.
***Maintenance and Inspection*:**	Silt fences will be inspected weekly and immediately after storm events to ensure it is intact and that there are no gaps where the fence meets the ground or tears along the length of the fence. If gaps or tears are found during the inspection, the fabric will be repaired or replaced immediately. Accumulated sediment will be removed from the fence base if it reaches one-third the height of the silt fence and disposed properly. If accumulated sediment is creating noticeable strain on the fabric and the fence might fail from a sudden storm event, the sediment will be removed more frequently. Before the fence is removed from the project area, the sediment will be removed. The anticipated life span of the silt fence is 8-10 months and will likely need to be replaced after this period.

Brush Barriers	BMP
***BMP Description*:**	Brush barriers are perimeter sediment control structures constructed of material such as small tree branches, root mats, stone, or other debris left over from site clearing and grubbing. As required, brush barriers will be covered with a filter cloth to stabilize the structure and improve barrier efficiency. Brush barriers have limited usefulness because they are constructed of materials that decompose. Locations of these barriers are located on the erosion control plans.
Installation Schedule:	The drainage area for brush barriers will be no greater than 0.25 acre per 100 feet of barrier length. In addition, the drainage slope leading down to a brush barrier will be no greater than 2:1 and no longer than 100 feet.
***Maintenance and Inspection*:**	Brush barriers will be inspected before and after each significant rainfall event to ensure their continued effectiveness. If channels form through void spaces, the barrier will be reconstructed to eliminate the channels. Accumulated sediment will be removed from the uphill side of the barrier when sediment height reaches between one-third and one-half the height of the barrier. When the entire site has reached final stabilization, the brush barrier will be removed and disposed of properly.

2.9 Retain Sediment On-Site

Due to the unique characteristics of linear projects, such as the lack of space within project rights of way and having multiple, distributed discharge points, Sedimentation Basin Types B, C, and D is not common practice. Therefore, MDEQ will not require the use of these sedimentation basins for linear projects. Appropriate alternate structural practices must be included in the SWPPP if sediment basins are deemed infeasible. The project meets the aforementioned qualification due to its linear characteristics and these sediment basins are therefore deemed infeasible. No Sediment Basins are planned at this time; however, if the need for them arises one will be placed as needed.

Sediment Basin Type A	**BMP**
***BMP Description*:**	Temporary Silt Basin Type A will be placed in surface drain ditches and side ditches at the end of the cut sections, immediately preceding ditch inlets and just before the runoff leaves the project site. These type range in dimensions but are typically a minimum of nine feet wide by fifty feet in length and three feet in depth. Approximately twenty five feet of silt fence or a twenty foot wattle will be placed on the downstream end to trap sediment.
Installation Schedule:	The sediment basin will be installed before grading operations commence on the project. Once final grades are obtained the basin will be removed and stabilized.
***Maintenance and Inspection*:**	The basin will be inspected weekly and after storm events. It will be checked for signs of erosion, seepage, and structural damage. The outlet will be checked for any damage or obstructions and any damage present will be repaired and obstructions removed. Sediment will be removed and the basin restored to its original dimensions when the sediment has accumulated to one-half the design depth of the basin.

Sediment Basin Type B	**BMP**
***BMP Description*:**	Temporary Silt Basin Type B is detailed more in the attached details of the Erosion Control Plan. These basins range in in area from 310 square feet to 6200 square feet. These basins are installed in any shape with dikes extending along one or more sides. The outlets will be sized based on the details attached, and provided with trash racks just before the runoff leaves the project site.
Installation Schedule:	The sediment basin will be installed before grading operations commence on the project. Once final grades are obtained the basin will be removed and stabilized or be converted to a bioretention area.
***Maintenance and Inspection*:**	The basin will be inspected weekly and after storm events. It will be checked for signs of erosion, seepage, and structural damage. The outlet will be checked for any damage or obstructions and any damage present will be repaired and obstructions removed. Sediment will be removed and the basin restored to its original dimensions when the sediment has accumulated to one-half the design depth of the basin.

Sediment Basin Type C1,C2 and D	BMP
***BMP Description*:**	Temporary Silt Basin Type C1, C2 and D are detailed more in the attached details of the Erosion Control Plan. These basins provide 67 to 135 cubic yards capacity per ace of drainage area received and this volume is to be maintained below the entrance elevation. These basins are very large. The outlets will be sized based on the details attached.
Installation Schedule:	The sediment basin will be installed before grading operations commence on the project. Once final grades are obtained the basin will be removed and stabilized or be converted to a bioretention cell.
***Maintenance and Inspection*:**	The basin will be inspected weekly and after storm events. It will be checked for signs of erosion, seepage, and structural damage. The outlet will be checked for any damage or obstructions and any damage present will be repaired and obstructions removed. Sediment will be removed and the basin restored to its original dimensions when the sediment has accumulated to one-half the design depth of the basin.

2.10 Establish Stabilized Construction Access

Since the project is linear, the project has multiple access points. The existing asphalt surface will aid in traction control. Sweeping BMP will be utilized and discussed in Section 3.

Stabilized Construction Access	BMP
***BMP Description*:**	A stabilized construction access is defined by a point of entrance/exit to a construction site that is stabilized to reduce the tracking of mud and soils onto public roads by equipment. The stabilized construction entrance will be a minimum of 50 feet in length and a minimum of 15 feet in width, flared at the end closest to the paved road, and will consist of a 4-inch-thick minimum layer of crushed stone (2 inches in diameter or Size 1 Stabilizer Aggregate). The crushed stone will be placed over a layer of geotextile filter fabric to reduce the mitigation of sediment from the underlying soil.
Installation Schedule:	The ingress/egress will be installed before construction begins on the site. The stone will remain in place until a non-erodible base or pavement is installed.
***Maintenance and Inspection*:**	The ingress/egress will be inspected weekly and after storm events or heavy use. The exits will be maintained in a condition that will prevent tracking or flowing of sediment. This could require adding additional crushed stone to the exit. All sediment tracked, spilled, or dropped will be swept up immediately. If excess sediment has clogged the pad, the exit will be top dressed with new crushed stone. Replacement of the entire pad might be necessary when the pad becomes completely filled with sediment.

2.11 Additional BMP's

At this time the following BMP's will not be required; however, if they become needed, they will be used accordingly.

Temporary Culvert Stream Crossings	BMP
BMP Description:	Temporary Culvert Stream Crossings provide a means for equipment to safely cross a water course while minimizing damage to the channel and/or banks. These crossings shall be constructed to safely pass expected mean water flow of the stream for the time of year and length of time that they are installed. Based on the hydraulics of the stream, single or multiple culverts will be installed. These culverts will then be covered with 200 to 300 lb riprap and aggregate choker stone placed on the top. Other options for temporary stream crossings such as steel/timber bridge or mats could be used.
Installation Schedule:	These crossing will be scheduled for installation for the minimum amount of impact. A continuous program of effective erosion and sediment control measures shall be implemented prior to and concurrent with any type of construction activity within the banks of a stream.
Maintenance and Inspection:	The temporary crossing will be inspected daily and before any forecasted rain event. When a crossing is no longer needed, the stream bed and stream banks shall be restored to pre-disturbance conditions, or such a condition that provides substantially equivalent protection of water quality.

Temporary Stream Diversions	BMP
BMP Description:	Temporary diversion channels will be used to divert normal stream path flow from an erodible area until such areas can be stabilized. Filter fabric or pre-fab ditch liner will be used for channel lining. Riprap with filter fabric will be used if channel flows are 9.0 fps or greater. Piping, pumping, or staged construction could also be used.
Installation Schedule:	The diversion will be scheduled for installation for the minimum amount of impact. A continuous program of effective erosion and sediment control measures shall be implemented prior to and concurrent with any type of construction activity within the banks of a stream.
Maintenance and Inspection:	The stream diversion will be inspected daily and before any forecasted rain event. When a crossing is no longer needed, the stream bed and stream banks shall be restored to pre-disturbance conditions, or such a condition that provides substantially equivalent protection of water quality.

Section 3 Good Housekeeping BMPs

Good housekeeping BMPs will be implemented and are intended to keep the facility clean and orderly, thus minimizing the potential for contribution to storm water runoff. Good housekeeping is a key part of this Project and Hemphill Construction will clean up the project site each day. All large trash items will be moved offsite as required and smaller items will be placed in a commercial dumpster which is part of the staging area.

3.1 Material Handling and Waste Management

Waste Materials	BMP
BMP Description:	All waste materials will be collected and disposed of into trash dumpsters in the storage area. Dumpsters will be placed away from stormwater conveyances and drains, and meet all federal, state, and municipal regulations. Only trash and construction debris from the site will be deposited in the dumpster. No construction materials will be buried on-site. Wood pallets, cardboard boxes, and other recyclable construction scraps will be disposed for recycling.
Installation Schedule:	Trash dumpsters will be installed once the materials storage area has been established.
Maintenance and Inspection:	The dumpsters will be inspected weekly and immediately after storm events. The dumpster will be emptied biweekly. If trash and construction debris are exceeding the dumpster's capacity, the dumpsters will be emptied more frequently.

Hazardous Waste Materials	BMP
BMP Description:	All hazardous waste materials will be stored in appropriate and clearly marked locations and segregated from other non-waste materials. Additionally, all hazardous waste materials will be disposed of in accordance with federal, state, and municipal regulations.
Installation Schedule:	Hazardous waste materials, if any, will be positioned once the site materials storage area has been installed.
Maintenance and Inspection:	The hazardous waste material storage areas will be inspected weekly and after storm events. The storage areas will be kept clean, well-organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Material safety data sheets, material inventory, and emergency contact numbers will be posted on the bulletin board or the office trailer.

Sanitary Waste	BMP
BMP Description:	Temporary sanitary facilities (portable toilets) will be provided at the site throughout the construction phase. The toilets will be in the staging area. The portable toilets will be located away from a concentrated flow paths and traffic flow.
Installation Schedule:	The portable toilets will be brought to the site once the staging area has been established.
Maintenance and Inspection:	All sanitary waste will be collected from the portable facilities a minimum of once per week. The portable toilets will be inspected weekly for evidence of leaking holding tanks. Toilets with leaking holding tanks will be removed from the site and replaced with new portable toilets.

3.2 Establish Proper Building Material Staging Areas

Materials Storage Area	BMP
BMP Description:	Construction equipment and maintenance materials will be stored at the staging area. If required, a watertight shipping container will be used to store hand tools, small parts, and other construction materials that must stay dry. All hazardous-waste materials will be stored in structurally sound and sealed containers under cover. Very large items (pipe etc.) will be stored in the open. Such materials will be elevated on wood blocks to minimize contact with runoff.
Installation Schedule:	The materials storage area will be installed after grading and before any infrastructure is constructed at the site.
Maintenance and Inspection:	The storage area will be inspected weekly and after storm events. The storage area will be kept clean, well-organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers, and liners will be repaired or replaced as needed to maintain proper function.

3.3 Designate Washout Areas

All concrete work for the project is anticipated to be precast; however, if any poured-in-place concrete is used a concrete washout area will be established.

Concrete Washout	BMP
BMP Description:	A designated temporary concrete washout area will be constructed as detailed on the site map. The temporary concrete washout area will be constructed with a recommended minimum length and minimum width of 10 feet, but with sufficient quantity and volume to contain all liquid and concrete waste generated by washout operations. The washout area will be lined with plastic sheeting. Mixer trucks and chutes will be washed in the designated area. When the temporary washout area is no longer needed, the hardened concrete materials used to construct the area will be removed and disposed of according to the maintenance section below, and the area will be stabilized.
Installation Schedule:	The washout area will be constructed before concrete pours occur at the site.
Maintenance and Inspection:	The washout areas will be inspected daily to ensure that all concrete washing is being discharged into the washout area, no leaks or tears are present, and to identify when concrete wastes need to be removed. The washout areas will be cleaned out once the area is filled to 75 percent of the holding capacity. Once the area's holding capacity has been reached, the concrete wastes will be allowed to harden; the concrete will be broken up, removed, and disposed.

3.4 Establish Proper Equipment/Vehicle Fueling and Maintenance Practices

Fueling operations include fuel transfers from fuel trucks to the above ground storage tanks (ASTs), transfers from the ASTs to the trucks, and from ASTs to excavation equipment. A spill kit will be located at the fueling area and used in the event a spill incident occurs.

Vehicle/Equipment Fueling and Maintenance	**BMP**
***BMP Description*:**	Several types of vehicles and equipment will be used on-site throughout the project, including graders, scrapers, excavators, loaders, paving equipment, rollers, trucks and trailers, backhoes, and forklifts. All major equipment fueling and maintenance will be performed at the staging area. Only minor equipment maintenance will occur on-site. All equipment fluids generated from maintenance activities will be disposed of into designated drums and removed from the site. Absorbent, spill-cleanup materials and spill kits will be available at the combined staging and materials storage area. Drip pans will be placed under all equipment receiving maintenance and vehicles and equipment parked overnight.
Installation Schedule:	BMPs implemented for equipment and vehicle maintenance and fueling activities will begin at the start of the project.
***Maintenance and Inspection*:**	Inspect equipment/vehicle storage areas and fuel tank weekly and after storm events. Vehicles and equipment will be inspected on each day of use. Leaks will be repaired immediately, or the problem vehicle(s) or equipment will be removed from the project site. Keep ample supply of spill-cleanup materials on-site and immediately clean up spills and dispose of materials properly.

3.5 Control Equipment/Vehicle Washing

Vehicle/Equipment Washing	**BMP**
***BMP Description*:**	The washing of equipment will be performed only as required. The location at which equipment is washed is extremely important. The location will be away from any storm water drains and in a grassed pervious area with minimal surface gradient that will allow for infiltration and/or evaporation of wash water as opposed to runoff. No detergents, including biodegradable detergents, will be used during the washing of equipment.
Installation Schedule:	Designated vehicle washing areas will be established at the beginning of the project.
***Maintenance and Inspection*:**	Most washing will only be the cleaning of tracks before equipment is moved off the project. Heavy cleaning operations will be executed off site.

3.6 Spill Prevention and Control

Procedures for cleaning up spills, or releases, of potential pollutants are as follows:

- Personnel involved in the clean-up will take precautions to protect personal health and safety, as outlined in the material safety data sheet (MSDS) for the spilled or released substance;
- All spills and releases of potential pollutants which could potentially contaminate storm water are to be completely contained upon discovery;
- The source material of the spill will be identified and halted immediately;
- The spilled material will be cleaned up immediately;
- The spilled or released material and all disposable contaminated equipment and will be disposed of in appropriate containers; and
- Non-disposable equipment will be decontaminated or, disposed of, in accordance with 40 CFR Parts 260-265.

In the event of a hazardous materials release, Hemphill Construction's Safety Director will contact MDEQ. Significant spills and leaks will be recorded. In the event of a small localized spill, an employee will immediately pour non-combustible sorbent material on the affected area. Arrangements will be made for subsequent proper disposal according to 40 CFR Parts 260-265.

Spill Prevention and Control Procedures	**BMP**
BMP Description:	*Hazardous Material Storage:* Hazardous materials will be stored in accordance with federal and municipal regulations. *Spill Kits:* Spill kits will be within the materials storage area. *Spills:* All spills will be cleaned up immediately upon discovery. Spent absorbent materials and rags will be hauled off-site immediately after the spill is cleaned up for disposal at a certified landfill. Spills large enough to discharge to surface water will be reported to MDEQ. Material safety data sheets, a material inventory, and emergency contact information will be maintained on-site.
Installation Schedule:	The spill prevention and control procedures will be implemented once construction begins on-site.
Maintenance and Inspection:	All personnel will be instructed, during tailgate training sessions, regarding the correct procedures for spill prevention and control. Notices that state these practices will be posted, and the Safety Director will be responsible for seeing that these procedures are followed.

3.7 Any Additional BMP's

Excavation Dewatering	BMP
***BMP Description*:**	This project requires the installation of utility sewer piping. Dewatering operations are practices that manage non-stormwater and accumulated groundwater that must be removed from the work location so that construction work may be accomplished.
Installation Schedule:	Excavation and construction of related facilities will be required and monitored when groundwater becomes excessive.
***Maintenance and Inspection*:**	Ground water discharge area will be inspected for excess watering and adjust as needed.

3.8 Allowable Non-Stormwater Discharge Management

Storm water discharges should be free from:

- Debris, oil, scum, and other floating materials other than in trace amounts;
- Eroded materials and other materials that will settle to form objectionable deposits in receiving waters;
- Suspended solids, turbidity and color at levels inconsistent with the receiving waters; and
- Chemicals in concentrations that would cause violation of State Water Quality Criteria in the receiving waters.

Allowable storm water discharges are as follows:

- Discharges from actual fire-fighting activities;
- Fire hydrant flushing;
- Water used to control dust;
- Potable water sources including uncontaminated water line flushing;
- Routine external building wash down that does not use detergents;
- Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred;
- Uncontaminated groundwater or spring water;
- Foundation or footing drains where flows are not contaminated with process materials such as solvents;
- Uncontaminated excavation dewatering;
- Landscape irrigation; and
- Water used to wash vehicles, wheel wash water and other wash waters where detergents are not used.

Section 4 Inspections

4.1 Inspections

Inspections of all receiving streams (if feasible), outfalls, erosion and sediment controls and other SWPPP requirements will be performed during permit coverage using a copy of the form provided by MDEQ, and inspections will be performed by qualified personnel. Inspection of storm water controls will be conducted at least weekly for a minimum of four inspections per month and as often as is necessary to ensure that appropriate erosion and sediment controls have been properly constructed and maintained and to determine if additional or alternative control measures are required. Before conducting the site inspection, the inspector will review Chapter 4, Inspector's Checklist and Troubleshooting Chart found in MDEQ's Field Manual for Erosion and Sediment Control on Construction Sites in Mississippi. Hemphill Construction will perform a "walk through" inspection of the construction site before anticipated storm events and after storm events to ensure controls are in place and will function properly. The inspections will be documented on copies of the Monthly Inspection Report and Certification Form. If Hemphill Construction's corporate officer, as listed on the General Permit will not be conducting weekly inspections, a duly authorized representative letter shall be drafted to state the name of the individual(s) who will be conducting weekly inspections. One copy of this letter shall be submitted at a later date with the Hemphill Construction's information and one copy shall be kept on-site.

Coverage recipients may suspend weekly inspection and monthly record keeping requirements, if the coverage recipient certifies that:

- Land disturbing activities have temporarily ceased;
- No further land disturbing activities are planned for a period of at least six months;
- Areas that have been disturbed meet the definition of "final stabilization" with no active erosion; and
- Vegetative cover has been established.

Color photographs representative of the site will be submitted with the Inspection Suspension Form. Hemphill Construction will notify the engineer and MDEQ once construction activities are resumed and the weekly inspections shall commence immediately. Hemphill Construction is still responsible for all permit conditions during the suspension period and nothing in this condition shall limit the rights of the MDEQ to take enforcement or other actions against Hemphill Construction.

4.2 Corrective Action Log

Based on inspection results, the site description and pollution prevention measures will be revised within this SWPPP if inadequacies are discovered. The inspection and plan review process will include timely implementation of any changes to the SWPPP. Field changes will occur within seven calendar days following the inspection. Amendments to the SWPPP will occur within 15 business days. If existing BMPs need to be modified or if additional BMPs are necessary, implementation will be completed before the next anticipated storm event. If implementation before the next anticipated storm event is not practical, the BMPs will be implemented as soon as practical.

4.3 Falsifying Reports

Any coverage recipient who falsifies any written report required by, or in response to, a permit condition will be deemed to have violated a permit condition and is subject to the penalties provided for a violation of a permit condition pursuant to Section 49-17-43 of the Mississippi Water Pollution Control Law (Mississippi Code Ann. Sections 49-17-1 et seq.).

Section 5 Record Keeping and Training

5.1 Recording Keeping

A copy of this SWPPP, all reports and records required by the General Permit, and all data used to complete the Notice of Intent (NOI), will be retained by Hemphill Construction for a period of at least three years from the date that the site has been finally stabilized and completed. A copy of this SWPPP will be retained at the construction site at all times, from the date of Project initiation to the date of final construction. The SWPPP will be located on the project board, or Project Superintendents office. A copy of SWPPP and each third party inspection reports can be made available upon request.

5.2 Log of Changes to the SWPPP

Disturbed areas and storage areas that are exposed to rainfall or run-on must be inspected for evidence of, or the potential for, pollutants entering site runoff. Based on inspection results, the site description and pollution prevention measures will be revised within this SWPPP if inadequacies are discovered. The inspection and plan review process will include timely implementation of any changes to the SWPPP. These changes to the field conditions will occur within seven calendar days following the inspection. If existing BMPs need to be modified or if additional BMPs are necessary, implementation will be completed before the next anticipated storm event. If implementation before the next anticipated storm event is not practical, the BMPs will be implemented as soon as practical. This SWPPP will be amended whenever there is a change in design, construction, operation, or maintenance which has a significant effect on the potential for the discharge of pollutants to the waters of the United States and which has not otherwise been addressed in the plan, or if the SWPPP proves to be ineffective in eliminating or significantly minimizing pollutants, or in otherwise achieving the general objectives of controlling pollutants in storm water discharges. Where such an amendment occurs, Hemphill Construction will update the SWPPP document within 15 business days.

5.3 Anticipated Noncompliance Reporting

Hemphill Construction will give at least ten days advanced notice, if possible, before any planned noncompliance with permit requirements. Giving notice of planned or anticipated noncompliance does not immunize the Hemphill Construction from enforcement action for the noncompliance.

5.4 Unanticipated Noncompliance Reporting

Hemphill Construction will notify the MDEQ orally within 24 hours from the time he or she becomes aware of unanticipated noncompliance, which may endanger health or the environment. A written report will be provided to the MDEQ within five working days of the time he or she becomes aware of the circumstances leading to the unanticipated noncompliance. The report will describe the cause, the exact dates and times, steps taken or planned to reduce, eliminate, or prevent reoccurrence and, if the noncompliance has not ceased, the anticipated time for correction. The MDEQ may waive the written report on a case-by-case basis, if the oral report is received within 24 hours.

5.5 Upset Conditions

An upset condition constitutes an affirmative defense to an action brought for noncompliance with technology-based permit limitations if a storm water coverage recipient demonstrates, through properly signed, contemporaneous operating logs, or other relevant evidence, that:

- An upset condition occurred and the storm water coverage recipient can identify the specific cause(s) of the upset;
- The permitted facility was being properly operated at the time of the upset;
- The coverage recipient submitted notices; and
- The coverage recipient took remedial measures. In any enforcement proceeding, the coverage recipient has the burden of proof that an upset occurred. No determination made during administrative review of claims that noncompliance was caused by an upset, and before an action for noncompliance is initiated, will be considered a final administrative action subject to judicial review.

5.6 Training

Individual(s) responsible for training with Hemphill Construction are the Project Manager and Project Superintendent. Detailed training for staff and subcontractors with specific stormwater responsibilities review and instruct all design and construction specifications for installing the BMPs and proper procedures for maintaining each BMP. Detailed training will occur before any BMPs are installed on the site. The following items will be discussed:

- Project Plans and Specifications
- This SWPPP
- Mississippi Department of Environmental Quality, Waiver of Clean Water Act Section 401 Water Quality Certification
- Planning and Design Manual for the Control of Erosion Sediment and Storm Water
- MDEQ SWPPP Construction Guide Manual
- Storm Water Management for Construction Activities – Developing Pollution Prevention Plans and Best Management Practices, USEPA 832-R-92-005, October 1992.
- MDEQ's Field Manual for Erosion and Sediment Control on Construction Sites

The following are general stormwater and BMP awareness training for staff and subcontractors. The training will be conducted primarily via "toolbox" meetings and will focus on avoiding damage to stormwater BMPs and preventing illicit discharges. The "toolbox" meetings will be conducted weekly and will address topics of Erosion Control BMPs, Sediment Control BMPs, Non-Stormwater BMPs, Waste Management and Materials Storage BMPs, and Emergency Procedures specific to the construction site.

Section 6 Final Stabilization

Final stabilization is achieved when uniform ground cover, without large bare areas, reaches a density of 70% of the native background vegetation cover. The project engineer and a qualified storm water professional with Hemphill Construction will certify that 70% stabilization has been achieved.

Permanent Seeding	**BMP**
***BMP Description*:**	Before the entire site is stabilized, any sediment that has accumulated will be removed and hauled off-site or for disposal at a certified landfill. Construction debris, trash and temporary BMPs (perimeter silt fences and inlet protection will remain) will also be removed and any areas disturbed during removal will be seeded and mulched immediately. In areas where disturbance results in subsoil being the final grade surface, topsoil will be spread over the finished area at minimum depth of 2 to 6 inches. The seedbed will be free of large clods, rocks, woody debris and other objectionable materials. Fertilizer and lime will be applied to the seedbed according to the engineer's recommendations or soil tests. The top layer of soil will be loosened to a depth of 3–5 inches by raking, tilling, disking or other suitable means. Common areas at the site will be stabilized with a seed mixture stated on the SWPPP Plans attached. Seed will be applied uniformly by hydroseeding or broadcasting. Where broadcasting is used, the seed will be covered with .25 inch of soil or less, by cultipacking or raking. Hydromulch or straw mulch will be applied immediately following seeding at an application rate of 4,000-6,000 pounds per acre.
Installation Schedule:	Permanent seeding will be applied immediately after the final design grades are achieved on portions of the site but no later than 14 days after construction activities have permanently ceased. Portions of the site where construction activities have permanently ceased will be stabilized, as soon as possible but no later than 14 days after construction ceases.
***Maintenance and Inspection*:**	All seeded areas will be inspected weekly during construction activities for failure and after storm events until a dense cover of vegetation has been established. If failure is noticed at the seeded area, the area will be reseeded, fertilized, and mulched immediately. After construction is completed at the site, permanently stabilized areas will be monitored until final stabilization is reached.

Section 7 Water Quality Standards and Flocculants

7.1 State of Mississippi Water Quality Standards

In addition to complying with the General Permit, Hemphill Construction is responsible for ensuring that the site does not violate State of Mississippi Water Quality Standards. The Mississippi Commission on Environmental Quality Regulation WPC-2 states that:

Waters shall be free from materials attributable to municipal, industrial, agricultural or other discharges producing color, odor, taste, total suspended or dissolved solids, sediment, turbidity, or other conditions in such a degree as to create a nuisance, render the waters injurious to public health, recreation or to aquatic life and wildlife or adversely affect the palatability of fish, aesthetic quality, or impair the waters for any designated use. The turbidity outside the limits of a 750-foot mixing zone shall not exceed the background turbidity at the time of discharge by more than 50 Nephelometric Turbidity Units (NTU).

Hemphill Construction is responsible for complying with State of Mississippi Water Quality Standards. Additional or alternative controls not mentioned above such as flocculants may be required to meet State of Mississippi Water Quality Standards.

7.2 Application of Flocculants

Polymer flocculants for treating turbidity in construction site storm water discharges must meet the following minimum criteria;

- Only anionic Polyacrylamide (PAM) polymer;
- Polymer must contain less than 0.05% free acrylamide;
- Polymer must be non-toxic to fish and other aquatic organisms;
- Polymer must be selected for site specific soil conditions (i.e., jar test);

Systems utilizing polymer flocculants to treat turbidity from construction site storm water discharges must meet the following minimum criteria;

- Polymer must be introduced through turbulent mixing into the storm water upstream of sedimentation BMPs;
- Sedimentation basin must be constructed in accordance with the criteria specified in ACT5, T-5 (2)(A);
- Polymer must be applied in accordance with manufacturer's instructions;
- There must be no discharge of undissolved polymer, clumps of polymer and/or unsettled flocculants material.

Any flocculants application, which deviates from the criteria specified above, must receive written approval from the Department prior to being implemented. Requests for approval must be in writing and describe the deviation, explain the justification for the deviation, and provide supporting documentation demonstrating that such deviation will achieve equivalent performance to the criteria listed above.

Section 8 Continuation of Expired General Permit

In the event that the Project extends beyond the expiration date of the General Permit, and is not reissued prior to the expiration date, the permit will be administratively continued and remain in force and effect. Permit coverage will remain in force until the earliest of:

- Re-coverage occurs under the reissued general permit;
- Submittal of a Request for Termination and receipt of written concurrence;
- Issuance of an individual permit for the Project's discharge; or
- A formal permit decision by the Permit Board to not reissue the general permit, at which time the coverage recipient must seek coverage under an alternative general permit or an individual permit.

Section 9 Termination of Permit Coverage

Within thirty 30 days of final stabilization for a covered project, a completed Request for Termination (RFT) of Coverage form shall be submitted to the Permit Board. Final stabilization means that all soil disturbing activities at the site have been completed, and that a uniform perennial vegetative cover with a density of at least 70% for the area has been established or equivalent measures (i.e., concrete or asphalt paving, riprap, etc.) have been employed. Upon receiving the completed RFT, the MDEQ staff will inspect the site. If no sediment and erosion control problems are identified and adequate permanent controls are established, Hemphill Construction will receive a termination letter. Coverage is not terminated until notified in writing by MDEQ. Failing to submit a RFT is a violation of permit conditions.

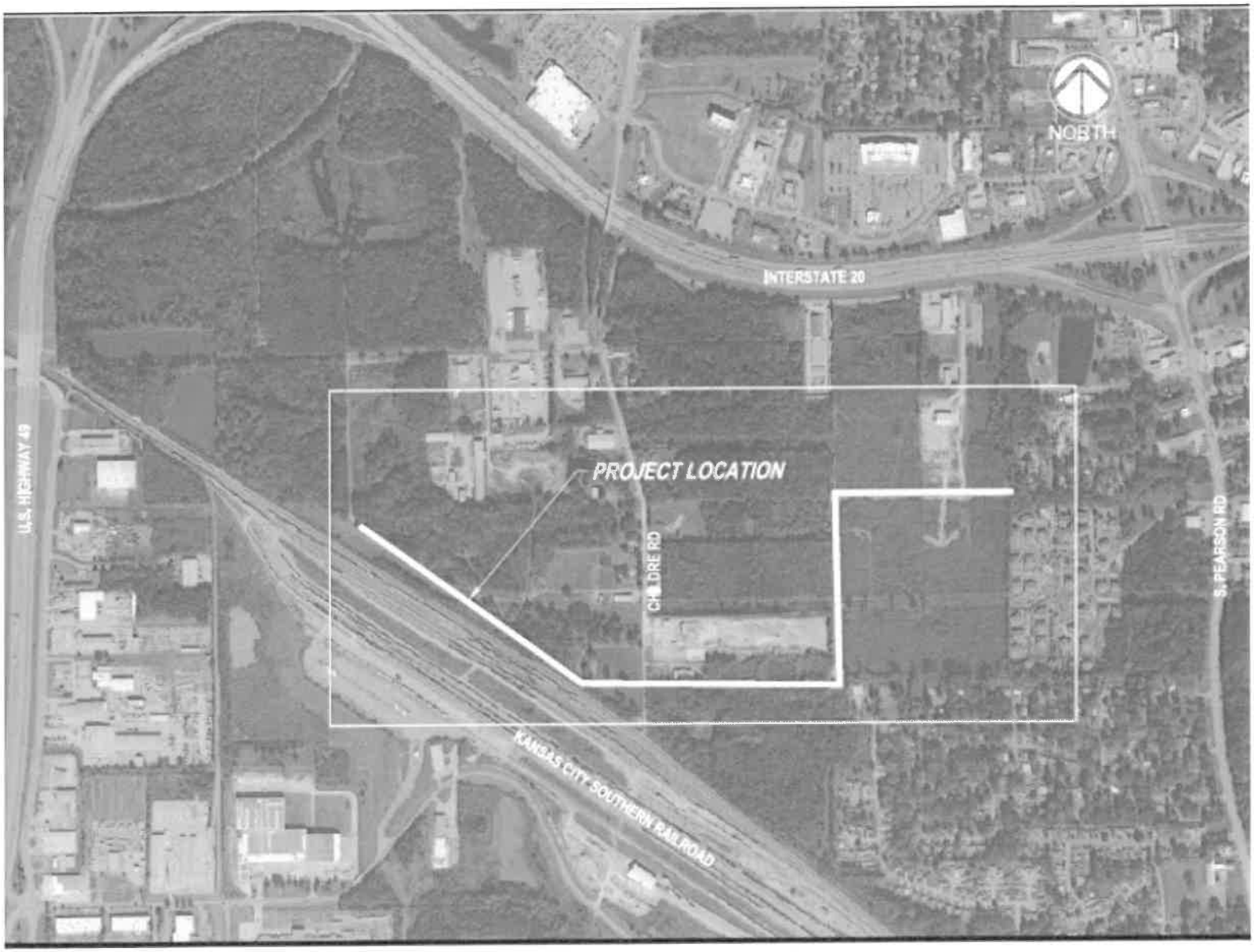
Section 10 Plan Certification

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

Signed: Date:

Brady Knight
Project Manager & SWPPP Developer
Hemphill Construction Company, Inc.

Appendix A – Vicinity / General Location Map


NORTH
INTERSTATE 20
PROJECT LOCATION
CHILDRE RD
S. PEARSON RD
U.S. HIGHWAY 49
KANSAS CITY SOUTHERN RAILROAD

Appendix B – Delegation of Authority

HEMPHILL CONSTRUCTION COMPANY
FLORENCE, MS SINCE 1963

P.O. Drawer 879
Florence, MS 39073-0879

Phone: 601-932-2060
Fax: 601-932-2550

Municipal & Public Works Construction Heavy & Highway Construction

May 17, 2023

MS Department of Environmental Quality
Office of Environmental Service
ATTN: Permit Division
P.O. Box 2261
Jackson, MS 39225

Reference: Grandview Heights Sewer Rehabilitation
City of Pearl – Rankin County

By means of this letter, I, Brady Knight, delegating official, delegate the authority herein described to the Project Superintendent, on the following terms and conditions:

- The Project Superintendent may conduct weekly storm water compliance inspections on my behalf for the above referenced project.
- The time for this delegation of authority shall run until revoked by the completion of the project as stated with the Notice of Termination Letter or by delegation official, the successor of the delegation official is appointed, or the delegate is no longer serving in the position as to which the delegation occurred.
- The authority delegated in this document shall not be sub-delegated

Brady T. Knight 5/25/23
Brady Knight Date
Project Manager

Charles Smith
Charles Smith Date
Project Superintendent
MAY-21-23

The difficult we do immediately, the impossible takes a little longer!

Appendix C – Notice of Intent (NOI) / Prime Contractor Certification

AI : 84061

Coverage # : MSR108986

Rec'd via email: 05/25/2023

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 8986

(NUMBER TO BE ASSIGNED BY STATE)

APPLICANT IS THE: ☐ OWNER ☑ PRIME CONTRACTOR

OWNER CONTACT INFORMATION

OWNER CONTACT PERSON: Jake Windham

OWNER COMPANY LEGAL NAME: City of Pearl

OWNER STREET OR P.O. BOX: 2420 Old Brandon Road

OWNER CITY: Pearl **STATE:** MS **ZIP:** 39208

OWNER PHONE #: (601) 932-2262 **OWNER EMAIL:** jwindham@cityofpearl.com

PREPARER CONTACT INFORMATION

IF NOI WAS PREPARED BY SOMEONE OTHER THAN THE APPLICANT

CONTACT PERSON: Brady Knight

COMPANY LEGAL NAME: Hemphill Construction Company Inc.

STREET OR P.O. BOX: PO Drawer 879

CITY: Florence **STATE:** MS **ZIP:** 39073

PHONE # ( ) 601-326-9116 **EMAIL:** bknight@hemphillconstruction.com

PRIME CONTRACTOR CONTACT INFORMATION

PRIME CONTRACTOR CONTACT PERSON: Brady Knight

PRIME CONTRACTOR COMPANY LEGAL NAME: Hemphill Construction Company Inc.

PRIME CONTRACTOR STREET OR P.O. BOX: PO Drawer 879

PRIME CONTRACTOR CITY: Florence **STATE:** MS **ZIP:** 39073

PRIME CONTRACTOR PHONE #: (601) 326-9116 **PRIME CONTRACTOR EMAIL:** bknight@hemphillconstruction.com

FACILITY SITE INFORMATION

FACILITY SITE NAME: Grandview Heights Sewer Rehabilitation

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: Childre Road

CITY: Pearl STATE: MS COUNTY: Rankin ZIP: 39208

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

LATITUDE: 32 **degrees** 15 **minutes** 39.06 **seconds** **LONGITUDE:** -90 **degrees** 09 **minutes** 10.39 **seconds**

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

TOTAL ACREAGE THAT WILL BE DISTURBED [1]: 10

IS THIS PART OF A LARGER COMMON PLAN OF DEVELOPMENT? YES ☐ NO ☑

IF YES, NAME OF LARGER COMMON PLAN OF DEVELOPMENT: N/A
AND PERMIT COVERAGE NUMBER: MSR10____

ESTIMATED CONSTRUCTION PROJECT START DATE: 2023-06-15 YYYY-MM-DD

ESTIMATED CONSTRUCTION PROJECT END DATE: 2024-03-30 YYYY-MM-DD

DESCRIPTION OF CONSTRUCTION ACTIVITY: Sewer Line

PROPOSED DESCRIPTION OF PROPERTY USE AFTER CONSTRUCTION HAS BEEN COMPLETED:
N/A

SIC Code: ___ ___ ___ ___ NAICS Code _____

NEAREST NAMED RECEIVING STREAM: Richland Creek

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):
Detailed in SWPPP

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:

City of Pearl, Rankin County

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

Bruce T. Knight
Signature of Applicant[1] (owner or prime contractor)

5/17/23
Date Signed

Brady T. Knight
Printed Name[1]

Project Manager
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

PRIME CONTRACTOR CERTIFICATION

LARGE CONSTRUCTION GENERAL PERMIT

Coverage No. MSR10 __ __ __ __ County Rankin

(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: Brady Knight **PHONE NUMBER:** (___) 601-326-9116

PRIME CONTRACTOR COMPANY: Hemphill Construction Company Inc.

PRIME CONTRACTOR STREET (P.O. BOX): PO Drawer 879

PRIME CONTRACTOR CITY: Florence **STATE:** MS **ZIP:** 39073

E-MAIL ADDRESS: bknight@hemphillconstruction.com

OWNER INFORMATION

OWNER CONTACT PERSON: Jake Windham **PHONE NUMBER:** (601) 932-2262

OWNER COMPANY NAME: City of Pearl

PROJECT INFORMATION

PROJECT NAME: Grandview Heights Sewer Rehabilitation

DESCRIPTION OF CONSTRUCTION ACTIVITY: Construction of new sewer line

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: Childre Road

CITY: Pearl **COUNTY:** Rankin

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.

Brady T. Knight
Prime Contractor Signature[1]

5/17/23
Date Signed

Brady T. Knight
Printed Name[1]

Project Manager
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: 3/9/22

Appendix D – Other Plans, Quantity Estimations and Permit Documentation

Appendix E – Corrective Action Log

CORRECTIVE ACTION LOG (DOCUMENT YOUR INSPECTION WITH PICTURES)

General Information			
Project Name	Grandview Heights Sewer Rehabilitation		
Permit No.	MSR 10 (to be assigned by MDEQ)		
Date of Inspection		**Start/End Time**	
Inspector's Name(s)			
Inspector's Title(s)			
Inspector's Contact Information			
Inspector's Qualifications			
Describe present phase of construction			

Type of Inspection:
❑ Regular ❑ Pre-storm event ❑ During storm event ❑ Post-storm event

Weather Information

Has there been a storm event since the last inspection? ❑Yes ❑No
If yes, provide:
Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in):

Weather at time of this inspection?
❑ Clear ❑Cloudy ❑ Rain ❑ Sleet ❑ Fog ❑ Snowing ❑ High Winds
❑ Other: Temperature:

Have any discharges occurred since the last inspection? ❑Yes ❑No
If yes, describe:

Are there any discharges at the time of inspection? ❑Yes ❑No
If yes, describe:

Overall Site Issues

	BMP/activity		Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	❑Yes ❑No	❑Yes ❑No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	❑Yes ❑No	❑Yes ❑No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	❑Yes ❑No	❑Yes ❑No	
4	Are discharge points and receiving waters free of any sediment deposits?	❑Yes ❑No	❑Yes ❑No	
5	Are storm drain inlets properly protected?	❑Yes ❑No	❑Yes ❑No	
6	Is the construction exit preventing sediment from being tracked into the street?	❑Yes ❑No	❑Yes ❑No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	❑Yes ❑No	❑Yes ❑No	
8	Are washout facilities (e.g., concrete) available, clearly marked, and maintained?	❑Yes ❑No	❑Yes ❑No	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	❑Yes ❑No	❑Yes ❑No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	❑Yes ❑No	❑Yes ❑No	
11	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	❑Yes ❑No	❑Yes ❑No	
12	(Other)	❑Yes ❑No	❑Yes ❑No	

Non-Compliance

Describe any incidents of non-compliance not described above:

CERTIFICATION STATEMENT

"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."

Print name and title: _____

Signature:_____ **Date:**_____

Appendix F – Inspection Reports

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

LARGE CONSTRUCTION GENERAL PERMIT
SITE INSPECTION AND CERTIFICATION FORM
COVERAGE NUMBER (MSR10 _ _ _ _)

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

INSTRUCTIONS

Results of construction storm water inspections required by ACT6 of this permit shall be recorded on this report form and kept with the Storm Water Pollution Prevention Plan (SWPPP) in accordance with the inspection documentation provisions of ACT9 of the this permit. Inspections shall be performed at least weekly for a minimum of four inspections per month. The coverage number must be listed at the top of all Inspection and Certification Forms.

COVERAGE RECIPIENT INFORMATION

OWNER/PRIME CONTRATOR NAME: Hemphill Construction Company Inc.

PROJECT NAME: Grandview Heights Sewer Rehabilitation

PROJECT STREET ADDRESS: Childre Road

PROJECT CITY: Pearl **PROJECT COUNTY:** Rankin

OWNER/PRIME CONTRACTOR MAILING ADDRESS: PO Drawer 879

MAILING CITY: Florence **STATE:** MS **ZIP:** 39073

CONTACT PERSON: Charles Smith **CONTACT PHONE NUMBER:** (601) 750-3261

EMAIL ADDRESS: csmith@hemphillconstruction.com

INSPECTION DOCUMENTATION

DATE (mo/day/yr)	TIME (hr:min AM/PM)	ANY DEFICIENCIES? (CHECK IF YES)	INSPECTOR(S)
		☐	
		☐	
		☐	
		☐	
		☐	
		☐	

Deficiencies Noted During any Inspection (give date(s); attach additional sheets if necessary): _____

Corrective Action Taken or Planned (give date(s); attach additional sheets if necessary): _____

Based upon this inspection, which I or personnel under my direct supervision conducted, I certify that all erosion and sediment controls have been implemented and maintained, except for those deficiencies noted above, in accordance with the Storm Water Pollution Prevention Plan (SWPPP) and sound engineering practices as required by the above referenced permit. I further certify that the LCNOI and SWPPP information is up to date.

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

_____ Authorized Signature

_____ Date

_____ Printed Name

_____ Title

Revised: 3/9/22

Appendix G – Erosion Control Plan & Details