

A MITIGATION RESOURCES OF NORTH AMERICA COMPANY

January 17, 2025

Chief, Environmental Permits Division MS Department of Environmental Quality, Office of Pollution Control P.O. Box 2261 Jackson, Mississippi 39225

> RE: MitRes Services Marshall Branch Mitigation Site Large Construction Notice of Intent (LCNOI)

Dear Mrs. Bass

Please find the enclosed LCNOI for the Marshall Branch Mitigation Site, located in Webster County, Mississippi.

If there is any additional information, or if you have any questions, please feel free to contact me.

Sincerely,

Mitigation Resources of North America

Roman Quinn SWPPP Coordinator 903-431-1845

140 E. Tyler St. Suite 400, Longview, TX 75601

AI: 88179 MSR109473



Rec'd via email: 01/20/2025

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 9473

(NUMBER TO BE ASSIGNED BY STATE)

APPLICANT IS THE: OWNER PRIME CONTRACTOR
OWNER CONTACT INFORMATION
OWNER CONTACT PERSON:
OWNER COMPANY LEGAL NAME:
OWNER STREET OR P.O. BOX:
OWNER CITY: STATE: ZIP:
OWNER PHONE #: () OWNER EMAIL:
PREPARER CONTACT INFORMATION
IF NOI WAS PREPARED BY SOMEONE OTHER THAN THE APPLICANT
CONTACT PERSON:
COMPANY LEGAL NAME:
STREET OR P.O. BOX:
CITY: STATE: ZIP:
PHONE # (601) EMAIL:
PRIME CONTRACTOR CONTACT INFORMATION
PRIME CONTRACTOR CONTACT PERSON:
PRIME CONTRACTOR COMPANY LEGAL NAME:
PRIME CONTRACTOR STREET OR P.O. BOX:
PRIME CONTRACTOR CITY: STATE: ZIP:
PRIME CONTRACTOR PHONE #: (PRIME CONTRACTOR EMAIL:
FACILITY SITE INFORMATION
FACILITY SITE NAME:
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:
FACILITY SITE TRIBAL LAND ID (N/A If not applicable):
LATITUDE: degrees minutes seconds LONGITUDE: degrees minutes seconds
LAT & LONG DATA SOURCE (GPS (Please GPS Project Entrance/Start Point) or Map Interpolation):
TOTAL ACREAGE THAT WILL BE DISTURBED ¹ :

IS THIS PART OF A LARGER COMMON PLAN OF DEVELOPMENT?	$YES \square$	NO 🗆
IF YES, NAME OF LARGER COMMON PLAN OF DEVELOPMENT: AND PERMIT COVERAGE NUMBER: MSR10		
ESTIMATED CONSTRUCTION PROJECT START DATE:	YYYY-MM-DD	
ESTIMATED CONSTRUCTION PROJECT END DATE:	YYYY-MM-DD	
DESCRIPTION OF CONSTRUCTION ACTIVITY:		
PROPOSED DESCRIPTION OF PROPERTY USE AFTER CONSTRUCTION HAS BEEN C	COMPLETED:	
SIC Code: NAICS Code		
NEAREST NAMED RECEIVING STREAM:		
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 M http://www.deq.state.ms.us/MDEQ.nsf/page/TWB_Total_Maximum_Daily_Load_Section)	YES□ DEQ's web site:	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 ACTIVITY?	YES 🗆 BY THE CONST	NO 🗆 TRUCTION
EXISTING DATA DESCRIBING THE SOIL (for linear projects please describe in SWPPP):		
WILL FLOCCULANTS BE USED TO TREAT TURBIDITY IN STORM WATER?	YES□	NO□
IF YES, INDICATE THE TYPE OF FLOCCULANT.	IMIDE (PAM)	
IF YES, DOES THE SWPPP DESCRIBE THE METHOD OF INTRODUCTION, THE LOCA AND THE LOCATION OF WHERE FLOCCULATED MATERIAL WILL SETTLE?	TION OF INTRO	DUCTION
IS A SDS SHEET INCLUDED FOR THE FLOCCULATE?	YES 🗆	NO□
WILL THERE BE A 50 FT BUFFER BETWEEN THE PROJECT DISTURBANCE AND THE STATE?	E WATERS OF T YES 🗖	ΉE 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 ft² per lot (entire lot, if smaller) shall be included in calculating acreage disturbed.

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DOCUMENTATION OF COMPLIANCE WITH OTHER REGULAT COVERAGE UNDER THIS PERMIT WILL NOT BE GRANTED UNTIL ALL OT MDEQ PERMITS AND APPROVALS ARE SATISFACTORILY ADDR	TIONS/REQUIREM Ther required essed	ENTS
IS LCNOI FOR A FACILITY THAT WILL REQUIRE OTHER PERMITS?	YES 🗆	NO 🗆
IF YES, CHECK ALL THAT APPLY: \Box AIR \Box HAZARDOUS WASTE	□ PRETREATME	NT
□ WATER STATE OPERATING □ INDIVIDUAL NPDES	□ OTHER:	
IS THE PROJECT REROUTING, FILLING OR CROSSING A WATER CONVEYAN OF ANY KIND? (If yes, contact the U.S. Army Corps of Engineers' Regulatory Branch	NCE YES for permitting requiren	NO 🗆 nents.)
IF THE PROJECT REQUIRES A CORPS OF ENGINEER SECTION 404 PERMIT, P DOCUMENTATION THAT:	PROVIDE APPROPRIA	ТЕ
-The project has been approved by individual permit, or -The work will be covered by a nationwide permit and NO NOTIFICATION to the Cor -The work will be covered by a nationwide or general permit and NOTIFICATION to the	ps is required, or he Corps is required	
IS THE PROJECT REROUTING, FILLING OR CROSSING A STATE WATER CON OF ANY KIND? (If yes, please provide an antidegradation report.)	VEYANCE 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 V	YES 🛛 Vater, Dam Safety.)	NO 🗆
IF THE PROJECT IS A SUBDIVISION OR A COMMERCIAL DEVELOPMENT, HO BE DISPOSED? Check one of the following and attach the pertinent documents.	OW WILL SANITARY S	SEWAGE
Existing Municipal or Commercial System. Please attach plans and specifications associated "Information Regarding Proposed Wastewater Projects" form or appr Hancock, Harrison, Jackson, Pearl River and Stone Counties. If the plans and specifica of LCNOI submittal, MDEQ will accept written acknowledgement from official(s collection and treatment that the flows generated from the proposed project can a properly. The letter must include the estimated flow.	oval from County Utility ations can not be provide) responsible for wastew	Authority in ed at the time ater
□ Collection and Treatment System will be Constructed. Please attach a copy of the permit from MDEQ or indicate the date the application was submitted to MDEQ	cover of the NPDES dis (Date:	charge)
□ Individual Onsite Wastewater Disposal Systems for Subdivisions Less than 35 Lo of General Acceptance from the Mississippi State Department of Health or certifi engineer that the platted lots should support individual onsite wastewater disposa	cation from a registered	of the Letter professional
□ Individual Onsite Wastewater Disposal Systems for Subdivisions Greater than 35 feasibility of installing a central sewage collection and treatment system must be r response from MDEQ concerning the feasibility study must be attached. If a cent is not feasible, then please attach a copy of the Letter of General Acceptance from certification from a registered professional engineer that the platted lots should su disposal systems.	nade by MDEQ. A copy tral collection and waste 1 the State Department o	v of the water system f Health or
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 Applicant¹ (owner or prime contractor)

Date Signed

Printed Name¹

Title

¹This 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



Marshall Branch Mitigation Site

Robinson Road, Eupora, MS 39744

33.5396660, -89.3491969

Stormwater Team

SWPPP Coordinator: Roman Quinn

Site Supervisor: Byron Shumaker

Field Technician: Zach Mitchell

Phone Number: 903-431-1845

Phone Number: 903-407-7276

Phone Number: 601-335-5090

1. Roles and Responsibilities

a. SWPPP Coordinator

- Manages the SWPPP document and ensures compliance with federal, state, and local stormwater regulations.
- Leads compliance audits and ensures all inspection reports, logs, and training records are organized and current.
- Acts as the key point of contact for regulatory agencies during inspections or audits.

b. Site Supervisor

- Conduct regular visual inspections and post-storm assessments to verify that BMPs are in place and functioning.
- Oversees the implementation, maintenance, and repairs of (BMPs).
- Provide training to site personnel, contractors, and subcontractors on SWPPP requirements and spill response.

c. Field Technician

- Assists with regular visual inspections and post-storm assessments to verify that BMPs are in place and functioning.
- Handles the maintenance and repair of BMPs, such as replacing silt fences, clearing sediment traps, and monitoring discharge points.
- Supports BMP performance monitoring and general site compliance.



2. Introduction and Purpose

- **a.** This SWPPP outlines measures to manage and reduce stormwater pollution at the facility. It complies with the EPA's National Pollutant Discharge Elimination System (NPDES) permit program requirements and applicable state or local regulations.
- **b.** Describe the project intent and the general nature of the construction activities, including a breakdown of the project's scope:

• The Marshall Branch Mitigation Site project will consist of restoration and enhancement of 20,445 linear feet of stream channel to restore historical hydrology to Marshall Branch, an upper reach of the Big Black River. Additionally, 125.4 acres of riparian stream buffer will be revegetated with native species after site prep activities are completed.

- c. Specific environmental sensitivities:
 - No known environmental sensitivities

3. Site / Project Description

- a. Site Description
 - The Marshall Branch Mitigation Site project will require 10,874 ft of in-stream restoration/construction. This involves re-alignment of the stream channel consistent with project design drawings which could introduce sediment to the downstream areas of Marshall Branch. BMPs will be implemented to ensure runoff/sedimentation is minimal. BMPs include sediment barriers, silt fence, and haybale check dams. 125.4 acres of riparian buffer will be enhanced by the removal of logging slash, pine regen, and non-native tree species. This area will be re-planted with hardwoods and native vegetation once site-prep is completed. Additionally, a laydown yard will be constructed for material storage, equipment parking and maintenance, fuel tanks, and temporary offices that will be used for the duration of constructed to provide access throughout the site. Some of these roads will remain as permanent features to be used during the monitoring phase of the project. For more information regarding construction activities, BMPs, and planting details, please review supporting documents C.500, E.100, and E.101.

Potential Pollutants (303(d)/TMDL)	Source
Sediment	Disturbed Soil from construction activities
Oil and Grease	Vehicles, Construction Equipment, Storage
On and Grease	Barrels and tanks
Fuel	Vehicles, Construction Equipment, Storage
ruei	Barrels and tanks
Human Waste	Port-o-potty

b. List ALL Potential Pollutants and their sources



- **c.** Site Acreage
 - Total Site Acreage: 365.3
 - Project Site Acreage: 125.4
 - Total Disturbance Acreage: 35

d. Types of Materials to be stored:

• Fuel, Oil, Non-potable Water

e. Soil Types and Conditions:

• A majority of the project site consists of Smithdale-Ora association, hilly (SOE) soils. SOE soils are deep, well drained, moderately permeable soils on ridge tops and hill slopes. Other soil types listed in the table below are Oaklimeter silt loam, Ora loam, and Providence silt loam which can be prone to erosion and surface runoff.

Soil Types				
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI	
Oa	Oakilmeter silt loam, 0 to 2 percent slopes, occasionally flooded	3.5	1.0%	
OrC2	Ora loam, 5 to 8 percent slopes, eroded	17.6	4.8%	
OrD3	Ora loam, 8 to 12 percent slopes, severely eroded	20.6	5.6%	
PoD3	Providence silt loam, 5 to 12 percent slopes, severely eroded	31.6	8.6%	
SOE	Smithdale-Ora association, hilly	291.9	79.9%	
Totals for Area of Interest		365.3	100.0%	

f. Estimated Runoff Coefficient

- Pre-Construction: 0.3-0.5
- Post-Construction: 0.2-0.35



g. List all receiving waters or MS4 at or near the site that will be disturbed or receive discharges from the project's disturbed areas.

Name of Receiving Water	Will Water be Disturbed?	Location
Marshall Branch [NOT on 303(d) list]	Yes	33.52885, -89.34785

h. Project Construction Schedule (Major grading activities)

Task	Location(s)	Projected Start Date	Projected End Date
Clearing/Mulching	Riparian Buffer	3-1-25	8-30-25
Excavation	P-1 Restoration Reaches	3-1-25	8-30-25
Grading	P-1 Restoration Reaches	3-1-25	8-30-25
Backfill	Existing Channelized Streams (where applicable)	3-1-25	8-30-25

i. Support Facilities

Facility	Description	Location
Laydown Yard	Support Activity	33.539481, -89.349197
Office	Support Activity	33.539481, -89.349197

4. Best Management Practices

- a. Erosion and sediment Controls
 - Examples: Silt fence, sediment basins, hydroseeding, mulching, sod placement, etc.

BMPs Installed	Schedule of Installation	Location(s)	Modification or Replacement Activities
Sediment Barriers/Silt Fence	Before Construction Activities	Downstream of construction areas, laydown yard, roads, etc.	Replace damaged sections as needed
Hay Bale Check Dam	Prior to in- stream construction activities	Downstream of constructed stream segments on MB-2, Marshall Branch, and MB-4	Replace check dams as needed



- **b.** Erosion Control and Stabilization Practices
 - Examples: establishing temporary or permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, and protecting existing trees and vegetation.

Stabilization Practice	Schedule of Installation	Location(s)	Interim or Permanent
Mulching	3-1-25	Construction	Interim
		Disturbance Area	
Temporary Vegetation	3-1-25	Construction	Interim
		Disturbance Area	
Permanent Vegetation	6-1-25	Construction	Permanent
		Disturbance Area	

- c. Offsite Transfer of Pollutant Controls
 - List all good housekeeping practices implemented to limit the unintentional offsite transport of litter, construction debris, and materials

Good Housekeeping Activity	Location(s)
Trash dumpster	Laydown Yard
Regular trash sweeps	Active construction area and laydown yard
Select wood debris piles	Along stream alignment area and
	enhancement areas

5. Inspection Schedule

Inspection Type	Responsible Party	Frequency
Visual Inspection of BMPs	Supervisor	Weekly
Quarterly SWPPP Audit	SWPPP Coordinator	Quarterly



6. Training Log

a. Employees, contractors, and sub-contractors shall be trained on spill prevention, BMPs, and proper stormwater management practices for this site.

Date	Name	Signature	Company
<u> </u>			

7. Recordkeeping

a. SWPPP and Inspection forms will be kept onsite at all times while construction activities are ongoing.

8. Certification Statement

 a. "I certify that this document and all attachments were prepared under my direction or supervision. The information submitted is true, accurate, and complete to the best of my knowledge."

SWPPP Coordinator Signature:

Date: 1/20/2025



Inspection Worksheet

Marshall Branch Mitigation Site

Inspector Name/Title:	Inspection Date:
Weather during Inspection:	Rainfall since last inspection:
Last Storm Event:	Duration of Event:

Inspection AreaCondition
(Good/Poor)Issues ObservedCorrective Action
(Yes/No)Image: Condition (Good/Poor)Image: Condition (Section (Section Condition))Image: Condition (Section Condition)Image: Condition (Section)

Comments: _____

Non-Stormwater Discharge	Pollution Prevention Measures	Location	Occurrence Date/Approx. Time
Pollutant Discharged?	Yes / No: Estir	nate Gallon Per Day of Disch	arge:

Comments: ______

Are there adverse conditions preventing inspection? Explanation: _____

I certify that this inspection was conducted per the SWPPP's requirements and that all observations noted above are accurate to the best of my knowledge.

Inspector Signature:	Date:
SWPPP Coordinator Signature:	Date:



January 17, 2025

Chief, Environmental Permits Division MS Department of Environmental Quality, Office of Pollution Control P.O. Box 2261 Jackson, Mississippi 39225

SUBJECT: MitRes Services Marshall Branch Mitigation Site Project Antidegradation Alternatives Analysis Summary

Dear Mrs. Bass

The SWPPP/NOI requires an alternative analysis for disturbing the streams at the Marshall Branch Mitigation Site. That analysis is attached to this cover letter.

If you need any additional information or have questions, please contact me.

Sincerely,

Dustin Fitzgerald, P.E. Project Engineer MitRes Services, LLC



ANTIDEGRADATION ALTERNATIVES ANALYSIS SUMMARY

The attached evaluation is a comparison between the chosen restoration alternative and the 'Do Nothing' alternative, based on the impact on streams (Waters of the US) and the buffer's habitat. The evaluation is presented to uphold the State of Mississippi Antidegradation Policy, which strives to protect water quality and upgrade or enhance it within the State of Mississippi.

The analysis included engineering concepts for three different streams in the headwaters of the Marshall Branch.

- i. Chosen alternative (perform restoration on the streams)
- ii. Do Nothing alternative

Analysis

Customary engineering concepts and standards for each alternative were used. A conceptual analysis of degradation between the two alternatives was compared. The result of this comparison is that if we do nothing, the streams will continue to worsen, causing more sediment to be transported into the Marshall Branch. This alternative would prove to have a negative impact on the stream, water quality, bug habitat, and other ecological aspects.

With this in mind, we have chosen to go into the streams with temporary disturbance (approx. five months) and repair them to the standard of our approved Mitigation Plan with the United States Army Corps of Engineers. This includes restoring and stabilizing the stream and floodplain using proper structures to prevent bank and channel bottom erosion. Critical parts of the channel and floodplain will be matted, and the entire disturbed area will be revegetated.

Conclusion

Overall, the ecological impact of the two alternatives indicates a considerable advantage in favor of the chosen alternative over the 'Do Nothing' alternative.

MitRes Services, LLC 140 E. Tyler St., Suite 400 Longview, TX 75601 903.646.3148 mitigate.pro











TREE	PLANTING	S
		-
		_

BOTTOMLAND PLANTIN SCIENTIFICE NAM Quercus lyrata Quercus <u>nigra</u> Quercus phellos Quercus michaux Quercus pagodo Diospyros virginia Quercus nuttall Carpinus Carolinia Plantanus occident Taxodium distichu Fraxinus pennsylva Acer rubrum Liquidambar styrac Ulmus american Asimina triloba Carya aquatica Nyssa sylvatica Betula nigra Celtis laevigata UPLAND PLANTING LIST Quercus nigra Diospyros virginia Fraxinus pennsylva Acer rubrum Prunus serotina Quercus alba Quercus falcate Quercus Velutin Quercus stellata Quercus shumara Carya tomentos Liquidambar styraci Asimina trilobo Morus rubra Ulmus alata Nyssa sylvatica

GRASS PLANTING SPECIES LIST

SCIENTIFIC NAME	COMMON NAME	SEEDING RATE (/ACRE PLS)
PERMANENT SEEDING		
Cynodon dactylon	Bermudagrass	10
Schedonorus arundinaceus	Tall Fescue	40-50
Charmaecrista fasciculata	Partridge Pea	10-15
Panicum vigatum	Swithgrass	4
TEMPORARY SEEDING		
Urochloa ramosa	Millet	40
Secale cereal	Rye	3 BU
Lolium perenne	Ryegrass	30
Sorghum bicolor	Sorghum-Sudan Hybrids	40
Triticum aestivum	Wheat	3 BU
Trifolium incamatum	Crimson Clover	10

SPECIES LIST

NG LIST	•
ME	COMMON NAME
a	OVERCUP OAK
7	WATER OAK
<i>)S</i>	WILLOW OAK
ıxii	SWAMP CHESTNUT OAK
la	CHERRYBARK
ana	PERSIMMON
lli	NUTTALL OAK
iana	AMERICAN HORNBEAM
talas	AMERICAN SYCAMORE
num	BALD CYPRESS
anica	GREEN ASH
	RED MAPLE
ciflua	SWEET GUM
na	AMERICAN ELM
a	PAWPAW
а	WATER HICKORY
а	BLACK GUM
	RIVER BIRCH
а	SUGARBERRY
<u>ST</u>	
7	WATER OAK
ana	PERSIMMON
anica	GREEN ASH
	RED MAPLE
a	BLACK CHERRY
	WHITE OAK
a	SOUTHERN RED OAK
na	BLACK OAK
ta	POSTOAK
rdii	Shumard oak
sa	MOCKERNUT HICKORY
ciflua	SWEET GUM
а	PAWPAW
	RED MULBERRY
	WINGED ELM
а	BLACK GUM

DATE HEVISION 09/01/23 DRAFT PLANS - 30% DESIGN 08/02/24 DRAFT PLANS - 60% DESIGN							
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		A MITIGATION RESOURCES OF NORTH AMERICA COMPANY			DRAWN BY: CJS	REVIEWED BY: CJS	DATE: 08/02/24







6" MIN. J	FULL BENCH HARDWOOD N 2' CENTERS SUBGRAL
RAL NOTES: BED ACREAGE: 123.6 (APPROXIMATE) ASIN: UPPR BIG BLACK RIVER WATERSHED; HUC: 08060201 NANCE CONTACT: ANDREW HALEY (PROJECT MANAGER) TE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SUITABLE EROSION AND DIDIMENT CONTROL DEVICES ON SITE DURING CONSTRUCTION AS REQUIRED TO PREVENT SILT FROM AVING SITE. SILT WILL NOT BE ALLOWED BEYOND LIMITS OF DISTURBANCE. SIGSION CONTROL MESURES SHALL BE MINITAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF PROVED PLANS DOES NOT FROVIDE SUFFICIENT EROSION AND SEDIMENT CONTROL, ADDITIONAL DISTROL MEASURES SHALL BE MINITAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF PROVED PLANS DOES NOT FROVIDE SUFFICIENT EROSION AND SEDIMENT CONTROL, ADDITIONAL DISTROL MEASURES SHALL BE MINITAINED AT ALL TIMES. IF FULL IMPLEMENTATION AL PROVED PLANS DOES NOT FROVIDE SUFFICIENT EROSION AND SEDIMENT CONTROL, ADDITIONAL DISTRACTOR IS RESPONSIBLE FOR ALL INSPECTIONS AND REPORTING REQUIRED IN EVENTRACTOR IS RESPONSIBLE FOR ALL INSPECTIONS AND REPORTING REQUIRED BY NPDES PERMIT. NOTRACTOR IS RESPONSIBLE FOR ALL INSPECTIONS AND REPORTING REQUIRED BY NPDES PERMIT. DISTRACTOR IS RESPONSIBLE FOR CLEANUNG AND AND ERMOVAL OF ANY BUILDUP OF SEDIMENT WHICH CALE ROSION CONTROL REGULATORY AGENCY. DISTRACTOR IS RESPONSIBLE FOR CLEANUNG SILT AND DEBRIS FROM ALL STORM DRAINAGE RUCTURES UPON COMPLETION OF CONSTRUCTION. NITRACTOR IS RESPONSIBLE FOR RALE FOR ALLOSTS ASSOCIATED WITH ANY FINES LEVIED AGAINST SITE FOR OLATIONS OF EROSION CONTROL REGULATIONS. NITRACTOR IS RESPONSIBLE FOR RALDER HANDLING, STORAGE, AND DISPOSAL OF HAZARDOUS STRACTOR SHALL PROVIDE TEMPORARY GROUND COVER FOR ALL AREAS OF EXPOSED SOL WHICH IL REVENTION SHOULD BE IMPLEMENTED TO REDUCE POSSIBLE STORM WATER CONTAMINATION. NITRACTOR SHALL RENOVID AND SEDIMENT CONTROL DEVICES AFTER EACH RAINFALL SO PERDOLUMY REPORTING AN A PERIOD OF FOURTEEN (14) DAYS OR MORE, AS REQUIRED BY NPDES PERMIT OR REGULATIONS. NITRACTOR IS RESPONSIBLE FOR RALDES ASTROMONS AND SEDIMENT CONTROL DEVICES AFTER NISTRUCTION AND TEM	CONSTRUCTION NOTES: CONTRACTOR SHALL FOLLOW SEQUENC BY PROJECT MANAGER/ENGINEER. CONTRACTOR SHALL CONDUCT STREAM GRADING, STABILIZATION MEASURES, DISTURBANCES AND PREVENTS LONG S 1. CONTRACTOR SHALL IDENTIFY PR RESTORATION/ENHANCEMENT LOX ENTRANCES/EXITS WITH ENGINEE 2. CONTRACTOR SHALL PREPARE ST/ 3. CONTRACTOR SHALL MOBILIZE EC AREAS AS SHOWN ON PLANS. 4. CONSTRUCTION TRAFFIC SHALL B PLANS AND AS DIRECTED BY ENG 5. CONTRACTOR SHALL INSTALL ALL ALL CONSTRUCTION AREAS INCLL CONSTRUCTION PLANS AND AS DI 6. CONTRACTOR SHALL INSTALL ALL STREAM REACHES SHALL BE LEFT DRAINAGE AND KEEP SITE ACCES 7. CONTRACTOR SHALL NOT DISTUR GRADES AT THE UPSTREAM END C CONTRACTOR SHALL NOT DISTUR CAN BE STABILIZED IN ONE DAY. 8. ONCE A SECTION OF STREAM AND STRUCTURES, MATTING, AND TRA MATERIAL SHALL BE HARVESTED I ONLY AFTER MATTING HAS BEEN I 9. ONCE A STREAM WORK PHASE IS PERMANENT SEEDING, AND MULC PERMANENT SEEDING, AND MULC PENDANENT SEEDING MIXTURES SEEDING AND MULCHING SHALL B 10. CONTRACTOR SHALL BE MEMORY EALL PRIOR TO LEAVING SITE. 11. CONTRACTOR, SHALL BE DERFORMEL 12. CONTRACTOR, SHALL BE DERFORMEL 12. CONTRACTOR, SHALL BE DERFORMEL 12. CONTRACTOR, SHALL BE NERVE ALL PRIOR TO LEAVING SITE. 13. CONTRACTOR, SHALL BE DERFORMEL 14. CONTRACTOR, SHALL BE DERFORMEL 15. CONTRACTOR, SHALL BE DERFORMEL 16. CONTRACTOR, SHALL BE DERFORMEL 17. CONTRACTOR, SHALL BE DERFORMEL 18. CONTRACTOR, SHALL BE DERFORMEL 19. CONTRACTOR, SHALL BE DERFORMEL 10. CONTRACTOR, SHALL BE DERFORMEL 11. CONTRACTOR, SHALL BE DERFORMEL 12. CONTRACTOR, SHALL BE DERFORMEL 13. CONTRACTOR, SHALL BE DERFORMEL 14. CONTRACTOR, SHALL BE DERFORMEL 15. CONTRACTOR, SHALL BE DERFORMEL 16. CONTRACTOR, SHALL BE DERFORMEL 17. CONTRACTOR, SHALL BE DERFORMEL 18. CONTRACTOR, SHALL BE DERFORMEL 19. CONTRACTOR, SHALL BE DERFORMEL 10. CONTRACTOR, SHALL BE DERFORMEL 10. CONTRACTOR, SHALL BE DERFORMEL 11. CONTRACTOR, SHALL BE DERFORMEL 12. CONTRACTOR, SHALL BE DERFORMEL 13. CONTRACTOR, SHALL BE DERFORMEL 14. CONTRACTOR, SHALL BE SITE

AVAILABLE, THE FOLLOWING STANDARD MIXTURE SHALL BE APPLIED: LIME @ 1.5 TONS PER ACRE

5-15-10 FERTILIZER @ 400 LBS PER ACRE 23. SEE SHEET C.500 FOR PLANTING DETAILS





