AI: 17168

Rec'd via email: 01/02/2024

MSR10 9173

(NUMBER TO BE ASSIGNED BY STATE)

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

OWNER CONTACT INFORMATION

OWNER CONTACT PERSON: Scott May

OWNER COMPANY LEGAL NAME: S&S Builders of MS, Inc.

OWNER STREET OR P.O. BOX: 1940 Florence Byram Road

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

OWNER PHONE #: (601) 966-5803 **OWNER EMAIL:** cs.may@windstream.net

PREPARER CONTACT INFORMATION

IF NOI WAS PREPARED BY SOMEONE OTHER THAN THE APPLICANT

CONTACT PERSON: Jeff Bagley

COMPANY LEGAL NAME: Benchmark Engineering & Surveying, LLC

STREET OR P.O. BOX: 660 Katherine Dr, Suite 302

CITY: Flowood **STATE:** MS **ZIP:** 39232

PHONE # ( ) 601-627-7783 **EMAIL:** jbagley@benchmarkms.net

PRIME CONTRACTOR CONTACT INFORMATION

PRIME CONTRACTOR CONTACT PERSON: Scott May

PRIME CONTRACTOR COMPANY LEGAL NAME: S&S Builders of MS, Inc.

PRIME CONTRACTOR STREET OR P.O. BOX: 1940 Florence Byram Rd.

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

PRIME CONTRACTOR PHONE #: (601) 966-5803 **PRIME CONTRACTOR EMAIL:** cs.may@windstream.net

FACILITY SITE INFORMATION

FACILITY SITE NAME: New Haven, Phase 2

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: Sanctuary Drive

CITY: Brandon STATE: MS COUNTY: Rankin ZIP: 39042

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

LATITUDE: 32 **degrees** 12 **minutes** 54.49 **seconds** **LONGITUDE:** 89 **degrees** 57 **minutes** 16.83 **seconds**

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

TOTAL ACREAGE THAT WILL BE DISTURBED [1]: +/- 55.50

O.C

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

IF YES, NAME OF LARGER COMMON PLAN OF DEVELOPMENT: _____
AND PERMIT COVERAGE NUMBER: MSR10_ _ _ _

ESTIMATED CONSTRUCTION PROJECT START DATE: 2024-04-01 (YYYY-MM-DD)

ESTIMATED CONSTRUCTION PROJECT END DATE: 2024-09-01 (YYYY-MM-DD)

DESCRIPTION OF CONSTRUCTION ACTIVITY: Roadway, Utilities, and Drainage Infrastructure

PROPOSED DESCRIPTION OF PROPERTY USE AFTER CONSTRUCTION HAS BEEN COMPLETED:
Residential Development

SIC Code: 6552 ___ ___ ___ **NAICS Code** 237210 ___ ___ ___ ___ ___ ___

NEAREST NAMED RECEIVING STREAM: Tumbaloo 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):
See 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:

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.

Scott May for S+S Builders of MS Inc
Signature of Applicant[1] (owner or prime contractor)

12-23-23
Date Signed

Scott May
Printed Name[1]

President
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

Storm Water Pollution Prevention Plan

For

NEW HAVEN, PHASE 2

Located in
Rankin County, Mississippi

BENCHMARK
ENGINEERING & SURVEYING, LLC

CIVIL • STRUCTURAL • PLANNING • SURVEYING • UAV MAPPING
www.benchmarkms.net

Site Information

New Haven, Phase 2 is a proposed residential development that sits on a +/- 158-acre parcel and will contain 73 lots located off Sanctuary Drive in Rankin County, Mississippi. This project consists of constructing an open ditch roadway, utilities, and drainage infrastructure. The acreage to be disturbed with the construction of the road, utilities, and drainage improvements is +/- 19 acres. In addition, there will be 0.50 acres of disturbance on each lot during home construction for a grand total of +/- 55.50 acres.

According to the Soil Survey of Rankin County, Mississippi, the soils on the site are of type 3 – Oaklimeter silt loam, occasionally flooded; type 35B2 – Tippah silt loam, 2 to 5 percent slopes, eroded; type 35C2 – Tippah silt loam, 5 to 8 percent slopes, eroded; type 41B2 – Providence silt loam, 2 to 5 percent slopes, eroded; type 48C2 – Ora fine sandy loam, 5 to 8 percent slopes, eroded; and type 49B2 – Savannah loam, 2 to 5 percent slopes, eroded. Type 3 is a deep, moderately well drained, nearly level soil on the flood plains of small streams and is considered a slight erosion hazard. Type 35B2 is a deep, moderately well drained, gently sloping soil on upland ridgetops and is considered a moderate erosion hazard. Type 35C2 is a moderately well drained, sloping soil on hillsides and ridgetops on uplands and is considered a moderate to severe erosion hazard. Type 41B2 is a deep, moderately well drained, gently sloping soil on ridgetops, uplands, and stream terraces, and is considered a moderate erosion hazard. Type 48C2 is a deep, moderately well drained, sloping soil on ridgetops and hillsides on uplands and is considered a moderate to severe erosion hazard. Type 49B2 is a deep, moderately well drained, gently sloping soil on ridgetops on uplands and stream terraces and is considered a moderate erosion hazard. This site drains to an unnamed tributary of Tumbaloo Creek.

Vegetative Controls

All trees will be removed that are in conflict with the site improvements. Topsoil will be stockpiled on site for future use in landscaping. All cut slopes will be at or below a 3:1 slope and 3:1 cut slopes will be disked prior to seeding. When a disturbed area will be left undisturbed for fourteen (14) days or more, the appropriate temporary or permanent vegetative practices shall be implemented immediately. Immediately shall mean no later than the next work day in this case. The temporary seeding species will be determined by the time of year it is to be installed. Disturbed areas that are to be re-vegetated shall avoid soil compaction.

Structural Controls

Upslope waters will be diverted around disturbed areas if possible. Rip-rap will be placed at all new culvert inlet/outlet locations. Silt fence will be installed along the toe of all slopes where work will disturb upstream areas. Additional fencing will be added as necessary to control sediment per the phase of the construction. Wattles or other approved inlet protection devices will be installed at all storm drain structures and upstream ends of pipes. Wattles will be

installed in the centerline of graded ditches until such time as they can be removed.

Housekeeping Practices

An equipment/materials staging area will be constructed at a location determined by the contractor but only if the Contractor has a need for a staging area. A suitable container for trash will be provided. Portable sanitary facilities will be provided for the construction workers. A concrete washout area will be provided at a location determined by the contractor. All major equipment maintenance and repair will be done offsite. In the event that minor equipment maintenance and repair is required onsite, it will be performed in the equipment/materials staging area. Refueling of equipment will take place in the equipment/materials staging area. Portable sanitary facilities will be inspected weekly and emptied or replaced as needed. The equipment/materials staging area will be inspected weekly and after storm events; perimeter controls, containment structures and covers will be repaired or replaced as needed. Once the proposed streets are paved, a sweeper will be used to keep streets clean of sediment. A sweeper will be used to keep any paved public roads clean near the construction entrance to the site. Where sediment has been tracked-out from the site onto paved roads, remove deposited sediment "immediately" by the end of the next work day.

Post Construction/Storm Water Management Measures

Straw bales, wattles or rip-rap will be placed at concentrated storm water discharge points to prevent erosion from high velocities until permanent ground cover is established. Permanent rip-rap will be placed at concentrated storm water discharge points at locations shown on the plans to prevent erosion from high runoff velocities. Silt fence will be placed as shown on the plans as a minimum and additionally as necessary to impede silt laden runoff from leaving the site. There are two detention basins proposed for this project. The detention basins will not be utilized as sediment basins during construction of this project but will be utilized as post-construction stormwater management facilities. Wattles installed in the flowline of the roadside ditches and upstream end of the detention basin outlet structures will be utilized to prevent sediment build up within the basins during construction of this project.

Implementation Sequence

1. Install construction access road to project site.
2. Install sanitary facilities and trash containers.
3. Set up equipment and materials staging area if needed by the contractor for project.
4. Install silt fencing along the downstream boundary of any areas to be disturbed.
5. Begin clearing & grubbing and stripping operations.
6. Begin grading operations to get the project site to rough grade. Place additional temporary measures as required during the grading operations to control runoff. Utilize silt fencing until such time that ditches are shaped up and wattles can be installed as shown.

7. Begin utility installation – Includes storm drain and water distribution system. The water system may go in before or after roadway construction depending on the contractor's methods.
8. Begin roadway installation.
9. Install wattles as shown at storm drain culverts and roadside ditches.
10. Fine grade the remainder of the disturbed areas of the site such as roadside ditches, detention basins, etc.
11. Stabilize the project site with permanent seed and mulch and install any other permanent erosion control measures that may not be in place.
12. Remove all temporary erosion control measures in drainage basins once improvements required in the construction plans have been completed and areas disturbed during installation of such have been stabilized within said basin with 90% vegetative cover. This includes but is not limited to silt fencing, wattles, etc.

Controls for Individual Lots in Residential Developments:

For coverage of individual lots, the developer will furnish the Registration for Residential Lot Coverages application to buyers at the time of purchase. At that point, the lot owner will be responsible for erosion and sediment control of that lot.

Maintenance Plan

Check all disturbed areas, erosion and sediment controls after each rainfall that produces a discharge, but not less than once per week. Make needed repairs within 24 hours or as soon as conditions allow. Remove sediment from the silt fences when accumulated sediment has reached ½ the height of the silt fence. Replace non-functional silt fence. Maintain all vegetated areas to provide proper ground cover – reseed, fertilize and mulch. Remove all temporary erosion control measures in drainage basin once improvements required in the construction plans have been completed and areas disturbed during installation of such has been stabilized within said basin with 90% vegetative cover.

Staff Training Requirements

A "stormwater team" will be assembled to carry out compliance activities associated with the requirements of the Large Construction General Permit. All members of the stormwater team must be trained to understand the following if related to the scope of their job duties:

- The permit deadlines associated with installation, maintenance, and removal of stormwater controls and with stabilization; The location of all stormwater controls on the site required by this permit and how they are to be maintained;
- The proper procedures to follow with respect to the permit's pollution prevention requirements; and

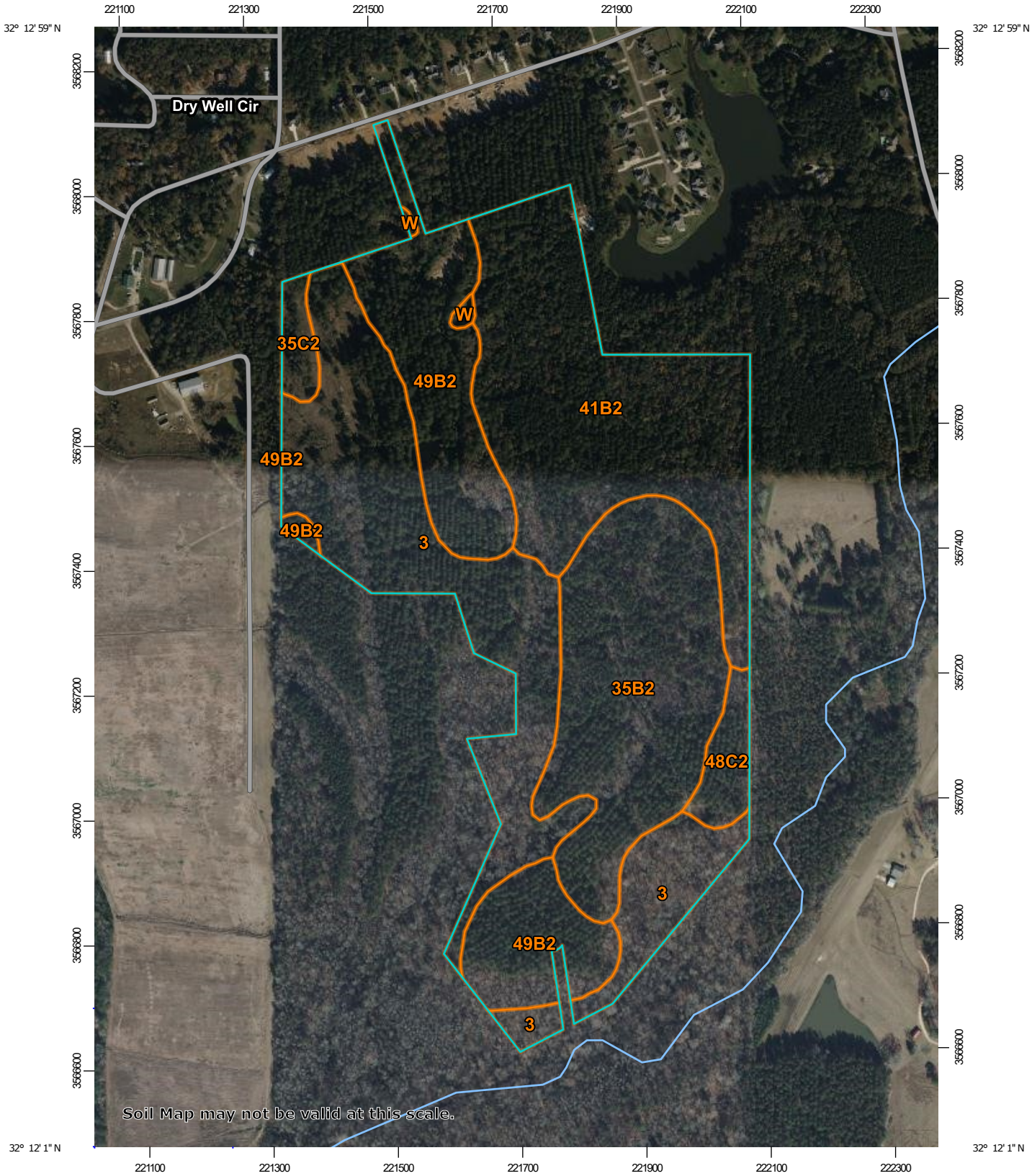
- When and how to conduct inspections, record applicable findings, and take corrective actions.

Staff training conducted to meet the requirements of this permit shall be documented.

Retention of Records

All records, reports, forms and information resulting from activities required by this permit shall be retained for a period of at least 3 years from the date that the documents were generated.

Soil Map—Rankin County, Mississippi
(New Haven, Phase 2)



Map Scale: 1:8,750 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 100 200 400 600

Feet
0 400 800 1600 2400

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

MAP LEGEND

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

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

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

Water Features
- Streams and Canals

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

Background
- Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

Soil Survey Area: Rankin County, Mississippi
Survey Area Data: Version 19, Sep 9, 2023

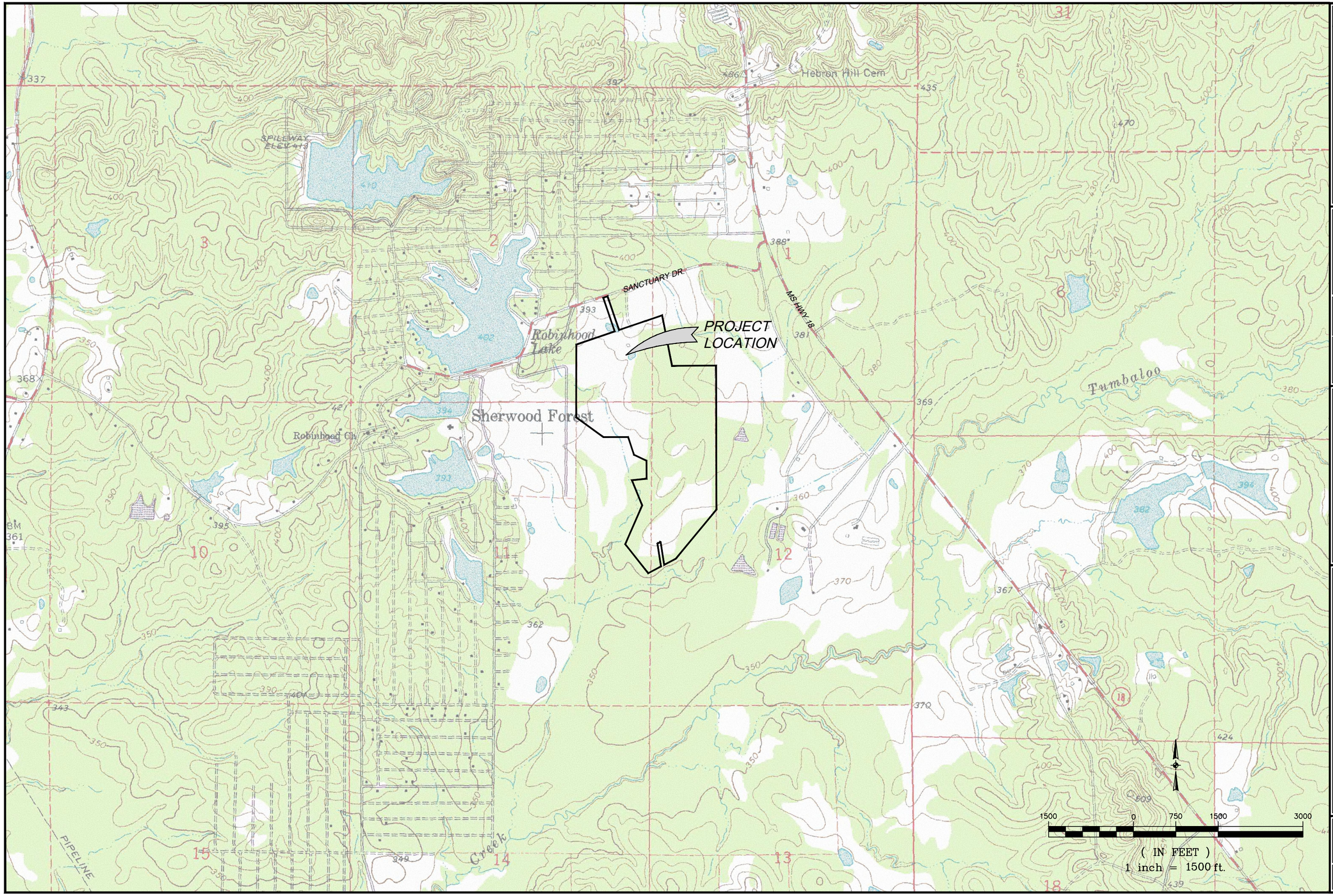
Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 3, 2021—Nov 29, 2021

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Oaklimeter silt loam, 0 to 2 percent slopes, occasionally flooded, north	46.3	29.0%
35B2	Tippah silt loam, 2 to 5 percent slopes, eroded	34.3	21.5%
35C2	Tippah silt loam, 5 to 8 percent slopes, moderately eroded	2.4	1.5%
41B2	Providence silt loam, 2 to 5 percent slopes, eroded	42.3	26.5%
48C2	Ora fine sandy loam, 5 to 8 percent slopes, eroded	3.9	2.5%
49B2	Savannah loam, 2 to 5 percent slopes, eroded	29.8	18.7%
W	Water	0.5	0.3%
Totals for Area of Interest		**159.5**	**100.0%**



BENCHMARK
ENGINEERING & SURVEYING, LLC
101 Highpointe Court, Suite B, Brandon, Mississippi 39042
Office: 601-591-1077 Fax: 601-591-0711
E-mail: gbenedict@benchmarkms.net

DATE: 12/22/23 | DRAWN: JHB
CHECKED: GAB | SCALE: 1500
REF C/L:
EG SURFACE:
FG SURFACE:

REVISIONS:

PROJECT LOCATION:
SANCTUARY DRIVE
BRANDON, MS 39042

CLIENT:
S&S BUILDERS OF MS, INC.
1940 FLORENCE BYRAM RD. FLORENCE, MS 39073

PROJECT:
NEW HAVEN, PHASE 2

SHEET CONTENTS:
QUAD MAP

SHEET NUMBER
1 of 1

PROJECT NUMBER
B-9902

Michael Watson
SECRETARY OF STATE

This is not an official certificate of good standing.

Name History

Name	Name Type
S & S Builders of Ms, Inc.	Legal

Business Information

Business Type:	Profit Corporation
Business ID:	903190
Status:	Good Standing
Effective Date:	01/25/2007
State of Incorporation:	Mississippi
Principal Office Address:	540 White Oak Road Florence, MS 39073

Registered Agent

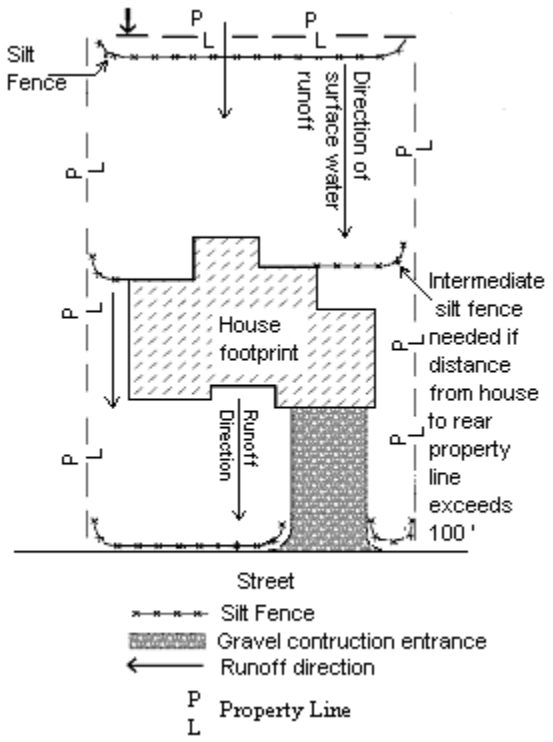
Name

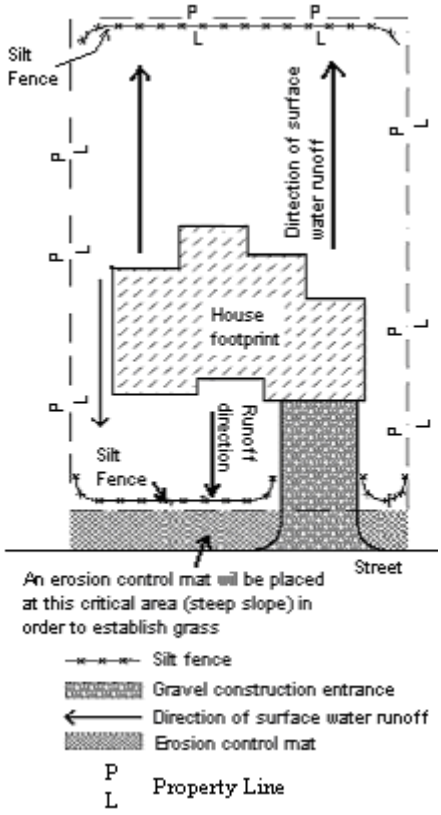
May, Christopher S.
1940 FLORENCE-BYRAM ROAD
FLORENCE, MS 39073

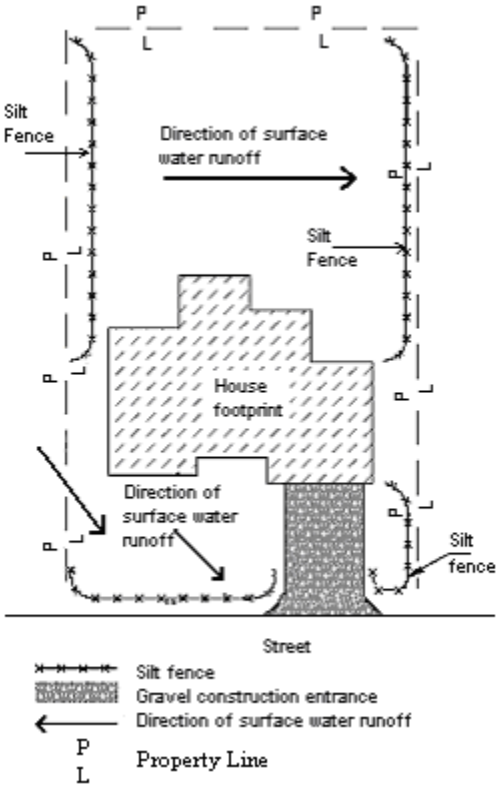
Officers & Directors

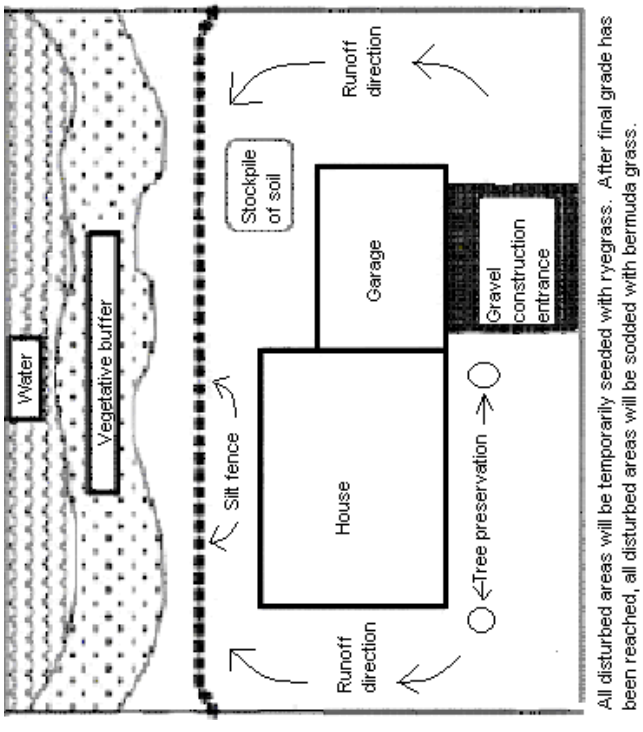
Name	Title
Christopher S. May 540 White Oak Road Florence, MS 39073	Incorporator
Christopher S May 540 White Oak Road Florence, MS 39073	Director, President

EXAMPLE INDIVIDUAL LOT EROSION AND SEDIMENT CONTROL PLANS

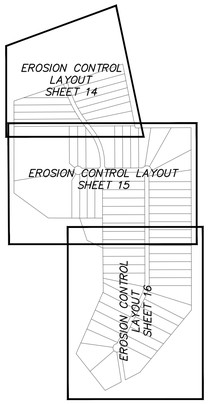








NOT FOR CONSTRUCTION



SHEET LEGEND
(NOT TO SCALE)

CONSTRUCTION & EROSION CONTROL SEQUENCE SCHEDULE

THE SCHEDULE LAID OUT BELOW IS TO PROVIDE CLARIFICATION TO THE CONTRACTOR ON THE INTENDED ORDER OF CONSTRUCTION IN CONJUNCTION WITH THE REQUIRED EROSION CONTROL MEASURES OF THIS PROJECT AS SHOWN ON THE CONSTRUCTION PLANS AND OTHER CONTRACT DOCUMENTS.

1. INSTALL CONSTRUCTION ACCESS ROAD TO PROJECT SITE.
2. INSTALL SANITARY FACILITIES AND TRASH CONTAINERS.
3. SET UP EQUIPMENT AND MATERIALS STAGING AREA IF NEEDED BY THE CONTRACTOR FOR PROJECT.
4. INSTALL SILT FENCING ALONG THE DOWNSTREAM BOUNDARY OF ANY AREAS THAT ARE TO BE DISTURBED.
5. BEGIN CLEARING & GRUBBING AND STRIPPING OPERATIONS.
6. BEGIN GRADING OPERATIONS TO GET THE PROJECT SITE TO ROUGH GRADE. PLACE ADDITIONAL TEMPORARY MEASURES AS REQUIRED DURING THE GRADING OPERATIONS TO CONTROL RUNOFF. UTILIZE SILT FENCING UNTIL SUCH TIME THAT DITCHES ARE SHAPED UP AND WATTLES CAN BE INSTALLED AS SHOWN.
7. BEGIN UTILITY INSTALLATION – INCLUDES STORM DRAIN AND WATER DISTRIBUTION SYSTEM. THE WATER SYSTEM MAY GO IN BEFORE OR AFTER ROADWAY CONSTRUCTION DEPENDING ON THE CONTRACTOR'S METHODS.
8. BEGIN ROADWAY INSTALLATION.
9. INSTALL WATTLES AS SHOWN AT STORM DRAIN CULVERTS AND ROADSIDE DITCHES.
10. FINE GRADE THE REMAINDER OF THE DISTURBED AREAS OF THE SITE.
11. STABILIZE THE PROJECT SITE WITH PERMANENT SEED & MULCH AND INSTALL ANY OTHER PERMANENT EROSION CONTROL MEASURES THAT MAY NOT BE IN PLACE.
12. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES IN DRAINAGE BASINS ONCE IMPROVEMENTS REQUIRED IN THESE PLANS HAVE BEEN COMPLETED AND AREAS DISTURBED DURING INSTALLATION OF SUCH HAS BEEN STABILIZED WITHIN SAID BASIN WITH 90% VEGETATIVE COVER. THIS INCLUDES BUT IS NOT LIMITED TO SILT FENCING, WATTLES, ETC.

EROSION CONTROL LAYOUT NOTES:

1. "TEMPORARY EROSION CONTROL" PAY ITEM INCLUDES ALL ITEMS SHOWN ON THE CONTRACT DRAWINGS AND ALL ITEMS REQUIRED TO STAY IN COMPLIANCE WITH THE REQUIREMENTS OF THE RANKIN COUNTY, THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY (MDEQ), THE STORM WATER POLLUTION PREVENTION PLAN (S.W.P.P.P.) NARRATIVE AND THE LARGE CONSTRUCTION NOTICE OF INTENT (L.C.N.O.I.).
2. CONTRACTOR SHALL FAMILIARIZE HIMSELF AND ABIDE BY THE REQUIREMENTS OF THE L.C.N.O.I. AND THE S.W.P.P.P. NARRATIVE AND OTHER RELATED EROSION CONTROL DOCUMENTS. CONTRACTOR SHALL BE NAMED PRIMED CONTRACTOR ON THE L.C.N.O.I.
3. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A COPY OF THE L.C.N.O.I., S.W.P.P.P. AND RELATED DOCUMENTS ON THE PROJECT SITE AT ALL TIMES.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE REQUIREMENTS OF THE L.C.N.O.I./STORM WATER COVERAGE PERMIT WHICH INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING: MAINTAIN, REPAIR, REPLACE ALL TEMPORARY EROSION CONTROL MEASURES; PERFORM INSPECTIONS AND FILL OUT INSPECTION REPORTS AS REQUIRED BY THE L.C.N.O.I./STORM WATER PERMIT COVERAGE; ADD ADDITIONAL MEASURES AS NEEDED TO STAY IN COMPLIANCE WITH THE PERMIT COVERAGE; MAINTAIN A RED-LINE DRAWING ON-SITE SHOWING FAILURES, REPAIRS, ADDITIONAL MEASURES, ETC. WITH THE DATES OF SUCH.
5. TEMPORARY EROSION CONTROL MEASURES DEPICTED ON THE DRAWINGS SHALL BE CONSIDERED BY THE CONTRACTOR TO BE THE MINIMUM BMP'S TO BE INSTALLED AS PART OF THE SITE CONSTRUCTION AND THE SITE-SPECIFIC EROSION CONTROL PLAN AND ARE NOT MEANT TO ADDRESS ALL OF THE REQUIREMENTS OF THE CONSTRUCTION GENERAL PERMIT. AS NOTED CONTRACTOR SHALL ADD ADDITIONAL MEASURES (AT NO ADDITIONAL COST TO THE OWNER) AS REQUIRED TO STAY IN COMPLIANCE WITH MDEQ REGULATIONS.
6. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES USING MDEQ BMP's TO CONTROL EROSION AND STORM WATER POLLUTION THROUGHOUT THE CONSTRUCTION PERIOD TO STAY IN COMPLIANCE WITH THE REQUIREMENTS OF RANKIN COUNTY AND MDEQ.
7. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE EARTH MOVING OPERATIONS BEGIN.
8. CLEARING AND GRUBBING SHALL BE HELD TO THE MINIMUM WIDTH NECESSARY TO ACCOMMODATE ROADWAY SLOPES.
9. EMBANKMENTS AND EXCAVATED AREAS SHALL BE PROMPTLY STABILIZED TO MINIMIZE EROSION.
10. WATTLES OR RIP-RAP EROSION CHECKS, SILT FENCING OR OTHER APPROVED BMPS SHALL BE USED ALONG THE TOE OF FILL SLOPES, IN DITCHES, AND IN OTHER AREAS WHERE EROSION IS A PROBLEM AND SILT LADEN RUNOFF MAY ENTER A STREAM, DITCH OR ADJACENT PROPERTY.
11. ANY STOCKPILED SOIL OR FILL MATERIAL SHALL BE LOCATED AND TREATED IN A MANNER TO PREVENT SILT FROM ENTERING STREAMS. NO EXCAVATED MATERIAL SHALL BE DISCHARGED INTO DITCHES. THE CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED MATERIAL IN A LOCATION APPROVED BY THE ENGINEER.
12. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONTINUALLY MAINTAINED.
13. THE CONTRACTOR SHALL KEEP STREETS AND SIDEWALKS ADJACENT TO THE LIMITS OF CONSTRUCTION FREE OF MUD AND DEBRIS.
14. ALL DISTURBED AREAS NOT PAVED SHALL BE BROUGHT TO FINISHED GRADE WITH 4" TOPSOIL OR APPROVED SUITABLE MATERIAL FOR GROWING VEGETATION,SEEDED, MULCHED, FERTILIZED AND WATERED AS REQUIRED TO PREVENT EROSION WITH TEMPORARY OR PERMANENT SEEDING.
15. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH PERMANENT VEGETATION (MIN. 90% COVERAGE) BY ANY MEANS NECESSARY TO MEET THE VEGETATIVE COVER REQUIREMENTS OF THE PROJECT SPECIFICATIONS. SHOULD THE NATIVE SOIL NOT BE CONDUCIVE TO VEGETATIVE GROWTH SPECIFIED THEN CONTRACTOR SHALL PLAN TO BRING IN MATERIAL AS NEEDED TO ACCOMPLISH REQUIRED VEGETATION AT NO COST TO THE OWNER.
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19. FUEL AND MATERIAL STORAGE AREAS SHALL BE LOCATED AS FAR AWAY FROM ANY DITCHES OR STREAMS AS POSSIBLE. A 60MIL POLYETHYLENE LINER IS REQUIRED UNDER FUEL TANKS.

GRAPHIC SCALE

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(IN FEET)
1 inch = 100 ft.

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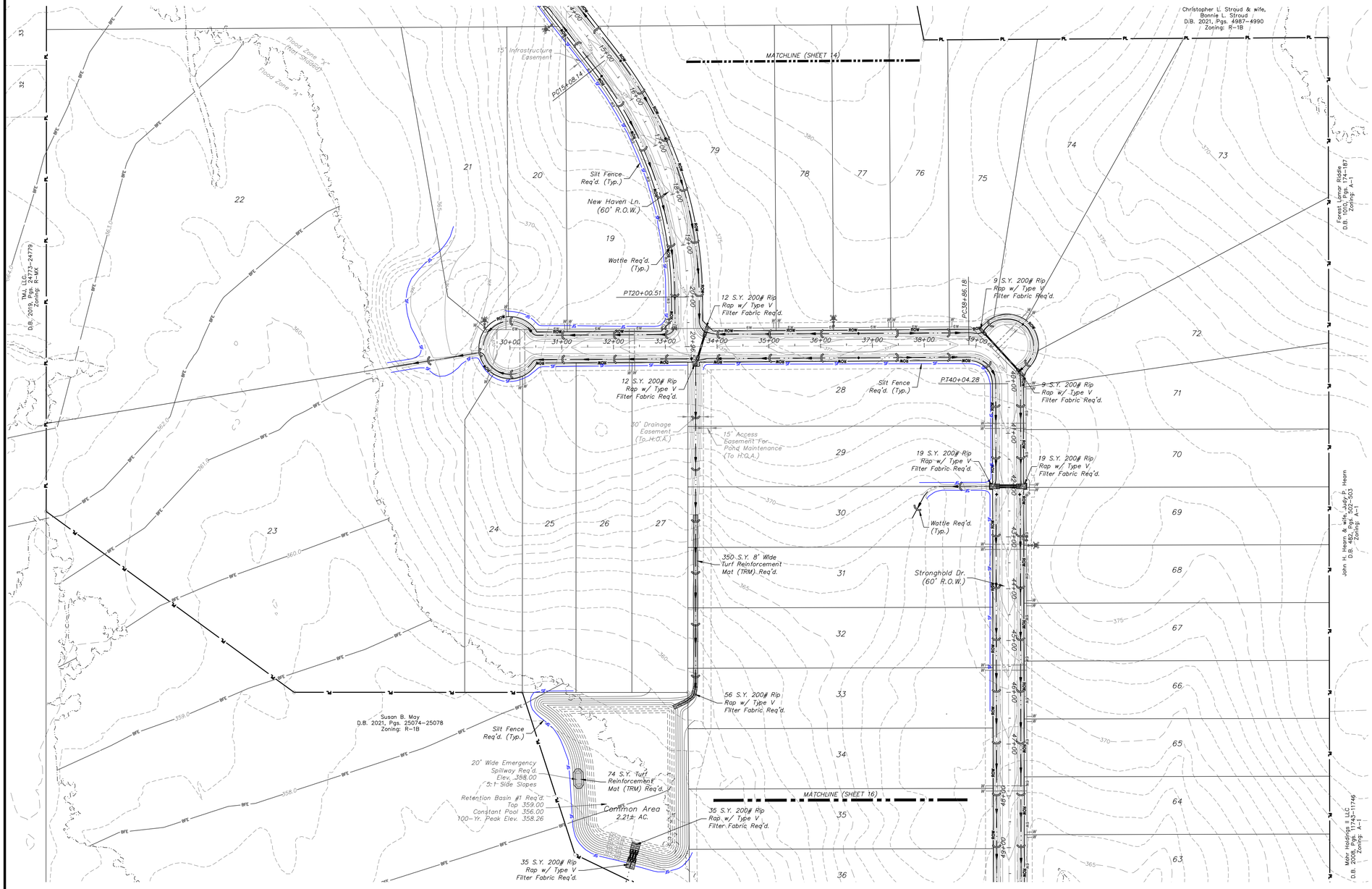

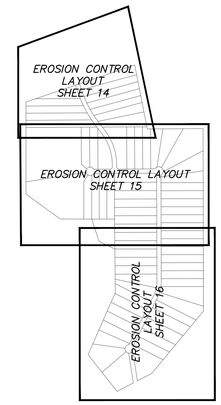

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EROSION CONTROL LAYOUT NOTES:

1. *"TEMPORARY EROSION CONTROL" PAY ITEM INCLUDES ALL ITEMS SHOWN ON THE CONTRACT DRAWINGS AND ALL ITEMS REQUIRED TO STAY IN COMPLIANCE WITH THE REQUIREMENTS OF THE RANKIN COUNTY, THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY (MDEQ), THE STORM WATER POLLUTION PREVENTION PLAN (S.W.P.P.P.) NARRATIVE AND THE LARGE CONSTRUCTION NOTICE OF INTENT (L.C.N.O.I.).*
2. *CONTRACTOR SHALL FAMILIARIZE HIMSELF AND ABIDE BY THE REQUIREMENTS OF THE L.C.N.O.I. AND THE S.W.P.P.P. NARRATIVE AND OTHER RELATED EROSION CONTROL DOCUMENTS. CONTRACTOR SHALL BE NAMED PRIMED CONTRACTOR ON THE L.C.N.O.I.*
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4. *IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE REQUIREMENTS OF THE L.C.N.O.I./STORM WATER COVERAGE PERMIT WHICH INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING: MAINTAIN, REPAIR, REPLACE ALL TEMPORARY EROSION CONTROL MEASURES; PERFORM INSPECTIONS AND FILL OUT INSPECTION REPORTS AS REQUIRED BY THE L.C.N.O.I./STORM WATER PERMIT COVERAGE; ADD ADDITIONAL MEASURES AS NEEDED TO STAY IN COMPLIANCE WITH THE PERMIT COVERAGE; MAINTAIN A RED-LINE DRAWING ON-SITE SHOWING FAILURES, REPAIRS, ADDITIONAL MEASURES, ETC. WITH THE DATES OF SUCH.*
5. *TEMPORARY EROSION CONTROL MEASURES DEPICTED ON THE DRAWINGS SHALL BE CONSIDERED BY THE CONTRACTOR TO BE THE MINIMUM BMP'S TO BE INSTALLED AS PART OF THE SITE CONSTRUCTION AND THE SITE-SPECIFIC EROSION CONTROL PLAN AND ARE NOT MEANT TO ADDRESS ALL OF THE REQUIREMENTS OF THE CONSTRUCTION GENERAL PERMIT. AS NOTED CONTRACTOR SHALL ADD ADDITIONAL MEASURES (AT NO ADDITIONAL COST TO THE OWNER) AS REQUIRED TO STAY IN COMPLIANCE WITH MDEQ REGULATIONS.*
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19. *FUEL AND MATERIAL STORAGE AREAS SHALL BE LOCATED AS FAR AWAY FROM ANY DITCHES OR STREAMS AS POSSIBLE. A 60MIL POLYETHYLENE LINER IS REQUIRED UNDER FUEL TANKS.*

CONSTRUCTION & EROSION CONTROL SEQUENCE SCHEDULE

THE SCHEDULE LAID OUT BELOW IS TO PROVIDE CLARIFICATION TO THE CONTRACTOR ON THE INTENDED ORDER OF CONSTRUCTION IN CONJUNCTION WITH THE REQUIRED EROSION CONTROL MEASURES OF THIS PROJECT AS SHOWN ON THE CONSTRUCTION PLANS AND OTHER CONTRACT DOCUMENTS.

1. *INSTALL CONSTRUCTION ACCESS ROAD TO PROJECT SITE.*
2. *INSTALL SANITARY FACILITIES AND TRASH CONTAINERS.*
3. *SET UP EQUIPMENT AND MATERIALS STAGING AREA IF NEEDED BY THE CONTRACTOR FOR PROJECT.*
4. *INSTALL SILT FENCING ALONG THE DOWNSTREAM BOUNDARY OF ANY AREAS THAT ARE TO BE DISTURBED.*
5. *BEGIN CLEARING & GRUBBING AND STRIPPING OPERATIONS.*
6. *BEGIN GRADING OPERATIONS TO GET THE PROJECT SITE TO ROUGH GRADE. PLACE ADDITIONAL TEMPORARY MEASURES AS REQUIRED DURING THE GRADING OPERATIONS TO CONTROL RUNOFF. UTILIZE SILT FENCING UNTIL SUCH TIME THAT DITCHES ARE SHAPED UP AND WATTLES CAN BE INSTALLED AS SHOWN.*
7. *BEGIN UTILITY INSTALLATION - INCLUDES STORM DRAIN AND WATER DISTRIBUTION SYSTEM. THE WATER SYSTEM MAY GO IN BEFORE OR AFTER ROADWAY CONSTRUCTION DEPENDING ON THE CONTRACTOR'S METHODS.*
8. *BEGIN ROADWAY INSTALLATION.*
9. *INSTALL WATTLES AS SHOWN AT STORM DRAIN CULVERTS AND ROADSIDE DITCHES.*
10. *FINE GRADE THE REMAINDER OF THE DISTURBED AREAS OF THE SITE.*
11. *STABILIZE THE PROJECT SITE WITH PERMANENT SEED & MULCH AND INSTALL ANY OTHER PERMANENT EROSION CONTROL MEASURES THAT MAY NOT BE IN PLACE.*
12. *REMOVE ALL TEMPORARY EROSION CONTROL MEASURES IN DRAINAGE BASINS ONCE IMPROVEMENTS REQUIRED IN THESE PLANS HAVE BEEN COMPLETED AND AREAS DISTURBED DURING INSTALLATION OF SUCH HAS BEEN STABILIZED WITHIN SAID BASIN WITH 90% VEGETATIVE COVER. THIS INCLUDES BUT IS NOT LIMITED TO SILT FENCING, WATTLES, ETC.*

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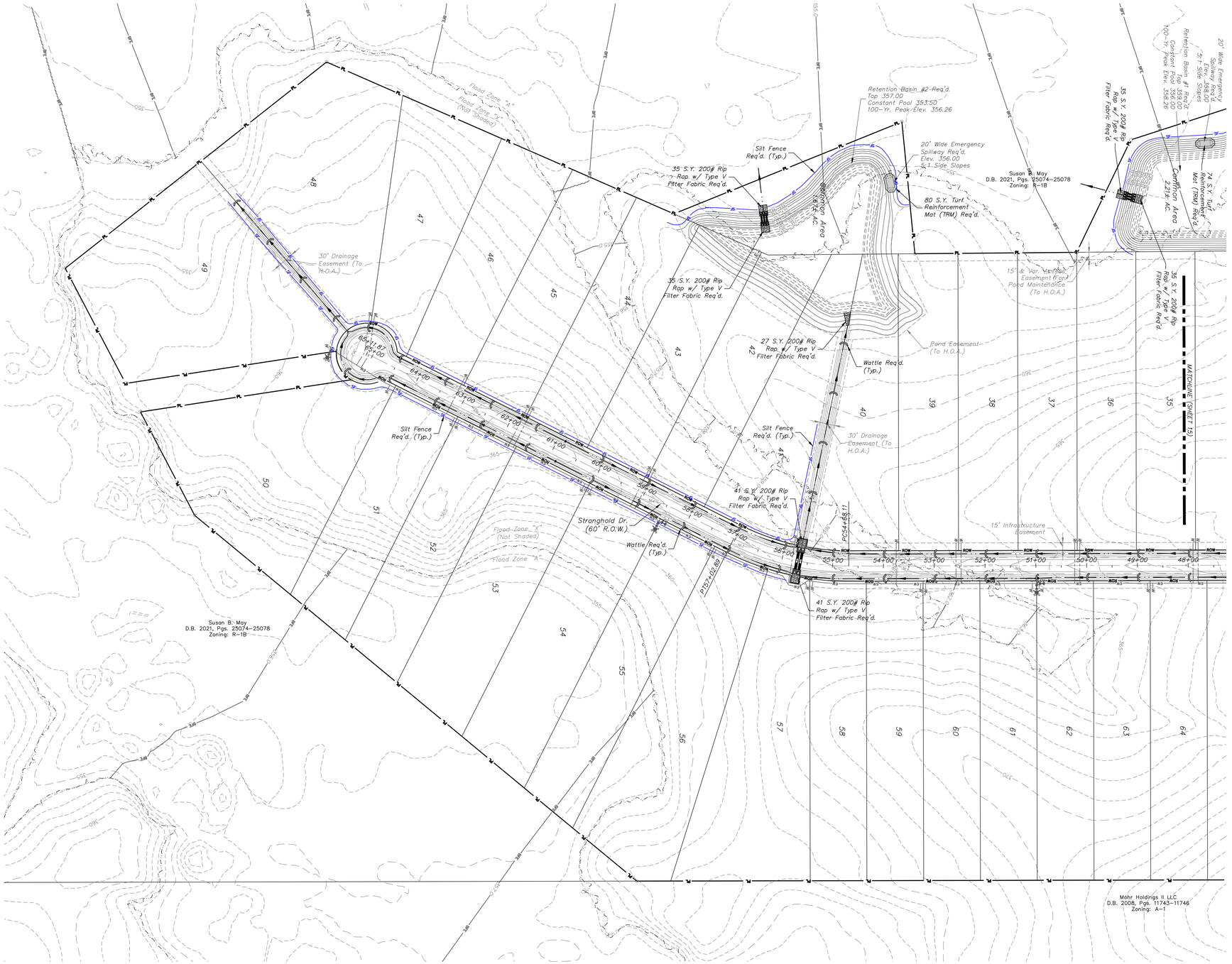

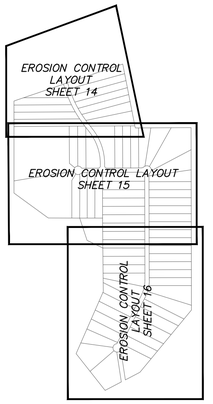

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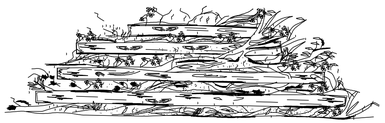
Species	Seeding Rate/Ac	Planting Time	Desired pH Range	Fertilization Rate/Ac	Method of Establishing
Common Bermuda	15 lbs. alone 10 lbs. mixture	Mar 1 – July 15 Sept 1 – Nov 30	6.0 – 7.0	600 lbs. 13–13–13	Seed
Bahia	40 lbs. alone 30 lbs. mixture	Mar 1 – July 15 Sept 1 – Nov 30	6.0 – 7.0	600 lbs. 13–13–13	Seed
Fescue	40 lbs. alone 30 lbs. mixture	Sept 1 – Nov 30	6.0 – 7.0	600 lbs. 13–13–13	Seed
Sericea Lespedeza	40 lbs. alone	Mar 1 – July 15 Sept 1 – Nov 30	6.0 – 7.0	400 lbs. 6–24–24	Seed
*Wheat	90 lbs.	Sept 1 – Nov 30	6.0 – 7.0	600 lbs. 13–13–13	Seed
*Ryegrass	30 lbs.	Sept 1 – Nov 30	6.0 – 7.0	600 lbs. 13–13–13	Seed
*White Clover	5 lbs.	Sept 1 – Nov 30	6.0 – 7.0	400 lbs. 6–24–24	Seed
*Crimson Clover	15 lbs.	Sept 1 – Nov 30	6.0 – 7.0	400 lbs. 6–24–24	Seed
*Hairy Vetch	30 lbs.	Sept 1 – Nov 30	6.0 – 7.0	400 lbs. 6–24–24	Seed
*Browntop Millet	40 lbs. alone 15 lbs. mixture	Apr 1 – Aug 30	6.0 – 7.0	600 lbs. 13–13–13	Seed

*ANNUAL

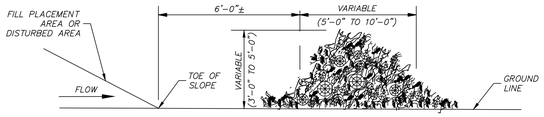
TEMPORARY & PERMANENT SEEDING NOTES:

1. FOR PERMANENT SEEDING, ANNUALS CAN ONLY BE USED IN A MIXTURE WITH PERENNIALS.
2. SPECIES THAT ARE TO BE SPREAD AS SOLID SOD ARE NOT LISTED (i.e. ST. AUGUSTINE, CENTIPEDE, CARPET GRASS, & ZOYSIA)
3. DURING THE MONTHS OF DECEMBER THROUGH FEBRUARY MULCHING IS THE ONLY OPTION ALLOWED.

GENERAL RECOMMENDATIONS FOR TEMPORARY/PERMANENT SEEDING



FRONT ELEVATION

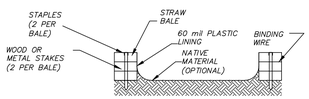


SIDE ELEVATION

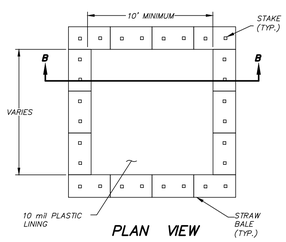
TEMPORARY BRUSH BARRIER NOTES:

1. BRUSH BARRIER TO BE USED WHERE NATURAL GROUND COVER IS LEVEL OR SLOPING AWAY FROM PROJECT.
2. PLACE BRUSH, LOG AND TREE LAPS APPROXIMATELY PARALLEL TO TOE OF FILL SLOPE WITH SOME OF THE HEAVIER MATERIALS BEING PLACED ON TOP TO PROPERLY SECURE THE BARRIER AS DETAILED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
3. TO ALLOW WATER TO FLOW THROUGH THE BRUSH BARRIER, INTERMINGLE THE BRUSH, LOG AND TREE LAPS SO AS NOT TO FROM A SOLID DAM.
4. BRUSH BARRIER TO BE REMOVED WHEN UPSTREAM DRAINAGE AREA IS VEGETATION (90% MIN. COVERAGE) AND DISPOSED OF BY CONTRACTOR.

TEMPORARY BRUSH BARRIER



SECTION B–B
N.T.S.

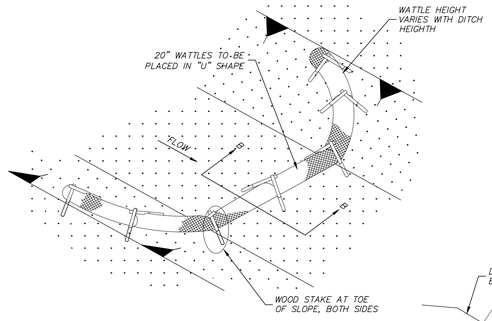


PLAN VIEW

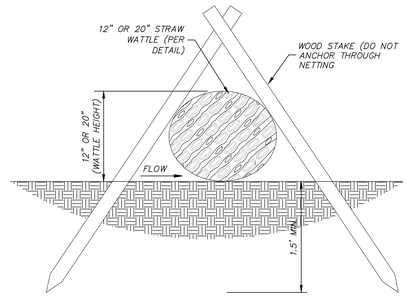
STRAW BALE CONCRETE WASHOUT AREA

NOTES:

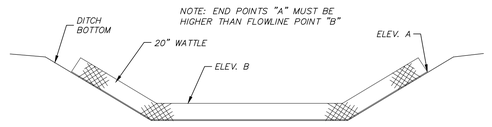
1. LOCATION TO BE DETERMINED BY CONTRACTOR AND APPROVED BY THE ENGINEER OR ENGINEER'S REPRESENTATIVE.
2. IF CONCRETE WASHOUT AREA EXHIBITS LEAKAGE OR PROVES TO BE INADEQUATE FOR IT'S INTENDED PURPOSE, THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE.
3. IF REQUIRED BY ENGINEER OR C.O.J., AREAS IMMEADIATELY DOWNSTREAM/DOWNSLOPE SHALL INCLUDE A SECONDARY STORMWATER RUNOFF POLLUTION PREVENTION MEASURE.
4. MAINTENANCE SHALL BE IN ACCORDANCE WITH THE APPROVED STORMWATER MANAGEMENT PLAN.



DETAIL (DITCH CHECK)



SECTION B–B

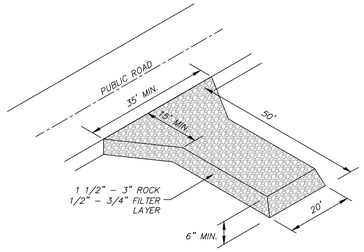


ELEVATION DETAIL

WATTLE DITCH CHECK NOTES:

1. MINIMUM RECOMMENDED PLACEMENT INTERVAL BETWEEN WATTLE DITCH CHECK IS 100' UNLESS SHOWN OTHERWISE ON THE PLANS OR EROSION CONTROL PLAN APPROVED BY THE ENGINEER.
2. ANCHORING WOOD STAKES SHALL BE SIZED, SPACED, DRIVEN AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE CHECK. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET. ALL NON–DEGRADABLE MATERIALS SHALL BE REMOVED WHEN NO LONGER NEEDED.
3. TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT (ABSORBED).
4. WATTLES SHOULD NOT BE USED IN HARD BOTTOM CHANNELS.

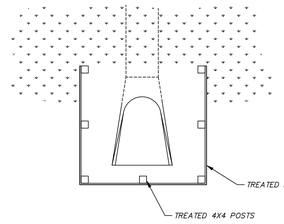
WATTLE DITCH CHECK



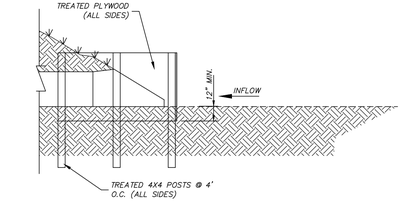
TEMPORARY CONSTRUCTION ENTRANCE NOTES:

1. VEHICLE TRACKING MAT SHALL BE LOCATED AT EVERY ENTRANCE/EXIT TO THE CONSTRUCTION SITE.
2. VEHICLE TRACKING MAT SHALL BE MAINTAINED BY CONTRACTOR AS NEEDED TO PREVENT ANY MATERIAL FROM BEING TRACKED ONTO CITY STREET.
3. SEDIMENT AND OTHER MATERIAL SPILLED, DROPPED OR TRACKED ONTO CITY STREET SHALL BE IMMEDIATELY REMOVED BY CONTRACTOR.
4. DIMENSIONS SHOWN ABOVE ARE TYPICAL IF CONDITIONS ALLOW. ANY REVISIONS TO DIMENSIONS SHALL BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.

TEMPORARY CONSTRUCTION ENTRANCE



PLAN VIEW



SECTION

NOTES:

1. TEMPORARY RISER REQUIRED ON OUTLET PIPE OF EACH SEDIMENT BASIN. A FAIRCLOTH SKIMMER AS DESCRIBED ON THE PLANS SHALL BE ATTACHED TO THE TEMPORARY RISER SO THAT ALL STORM WATER MUST PASS THROUGH THE SKIMMER PRIOR TO LEAVING THE SITE UNLESS A RAIN EVENT THAT EXCEEDS THE DESIGN STORM OCCURS. CONTRACTOR MAY CONSTRUCT AN EARTHEN BERM IN LIEU OF THE TEMPORARY RISER WITH SKIMMER PENETRATING THROUGHT THE BOTTOM OF THE BERM. SAID BERM SHALL BE GRASSED.
2. SEDIMENT SHALL BE REMOVED WHEN IT REACHES ELEVATIONS NOTED ON PLANS.

TEMPORARY SEDIMENT BASIN RISER STRUCTURE

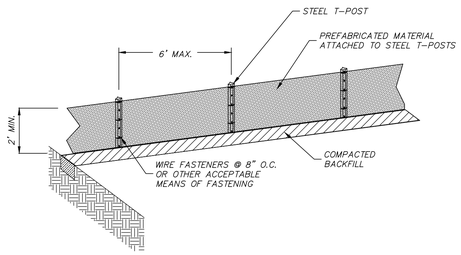
SECTION B–B
N.T.S.

PLAN VIEW

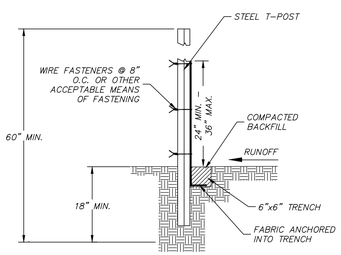
STRAW BALE CONCRETE WASHOUT AREA

NOTES:

1. LOCATION TO BE DETERMINED BY CONTRACTOR AND APPROVED BY THE ENGINEER OR ENGINEER'S REPRESENTATIVE.
2. IF CONCRETE WASHOUT AREA EXHIBITS LEAKAGE OR PROVES TO BE INADEQUATE FOR IT'S INTENDED PURPOSE, THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE.
3. IF REQUIRED BY ENGINEER OR C.O.J., AREAS IMMEADIATELY DOWNSTREAM/DOWNSLOPE SHALL INCLUDE A SECONDARY STORMWATER RUNOFF POLLUTION PREVENTION MEASURE.
4. MAINTENANCE SHALL BE IN ACCORDANCE WITH THE APPROVED STORMWATER MANAGEMENT PLAN.



ELEVATION VIEW

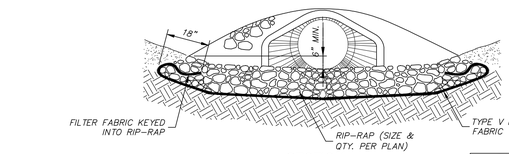


SIDE VIEW

SILT FENCE NOTES:

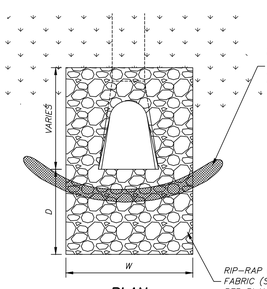
1. GEOTEXTILE FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE WIRE BACKED OR MEET MDOT TYPE II MATERIAL REQUIREMENTS.
2. STEEL POSTS SHALL BE 5' (MIN.) IN HEIGHT AND OF THE SELF FASTENER ANGLE STEEL TYPE.
3. SILT FENCE SHALL BE FASTENED TO POSTS WITH GALVANIZED WIRE AT 8" INTERVALS, SEWN POCKETS WITHIN THE FABRIC, OR OTHER ENGINEER APPROVED METHOD. FASTENERS SHALL BE SUFFICIENT FOR ANTICIPATED WEIGHT.
4. ALLOW A MINIMUM OF 6" OVERLAP OF FABRIC AT JOINTS.

SILT FENCE

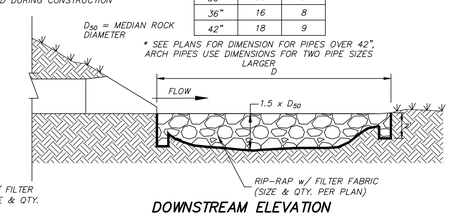


SECTION

TYPICAL RIP–RAP TREATMENT DIMENSIONS		
PIPE ø	D	W
15"	8	4
18"	10	5
24"	12	6
30"	14	7
36"	16	8
42"	18	9



PLAN



DOWNSTREAM ELEVATION

CULVERT RIP–RAP PROTECTION NOTES:

1. RIP–RAP TREATMENT REQUIRED AT ALL CULVERTS UPSTREAM AND DOWNSTREAM ENDS.
2. RIP–RAP TREATMENT ON UPSTREAM AND DOWNSTREAM ENDS SHALL TOTALLY SURROUND CULVERT TO A MINIMUM OF 12" ABOVE THE TOP OF THE PIPE.
3. SEE CHART FOR DIMENSIONS FOR D & W UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
4. RIP–RAP WILL BE PAID FOR BY THE SQUARE YARD.
5. RIP–RAP DIMENSIONS SHOWN ON THE SCHEDULE ARE TYPICAL AND MAY BE FIELD ADJUSTED BY ENGINEER. ANY CHANGE IN QUANTITY RESULTING FROM FIELD ADJUSTMENT WILL BE PAID PER SQUARE YARD AT CONTRACT UNIT PRICE.

CULVERT RIP–RAP PROTECTION

BENCHMARK
ENGINEERING & SURVEYING, LLC
CIVIL ♦ STRUCTURAL ♦ PLANNING ♦ SURVEYING ♦ UAV MAPPING
BRANDON | FLOWOOD | MADISON
www.benchmarkms.net 601.427.7780
EST. 2004

REVISIONS:

DATE: 12/20/23 | DRAWN: JHB
CHECKED: GAB | SCALE:
REF C/L:
EG SURFACE:
FG SURFACE:

PROJECT LOCATION:
SANCTUARY DRIVE
RANKIN COUNTY, MISSISSIPPI

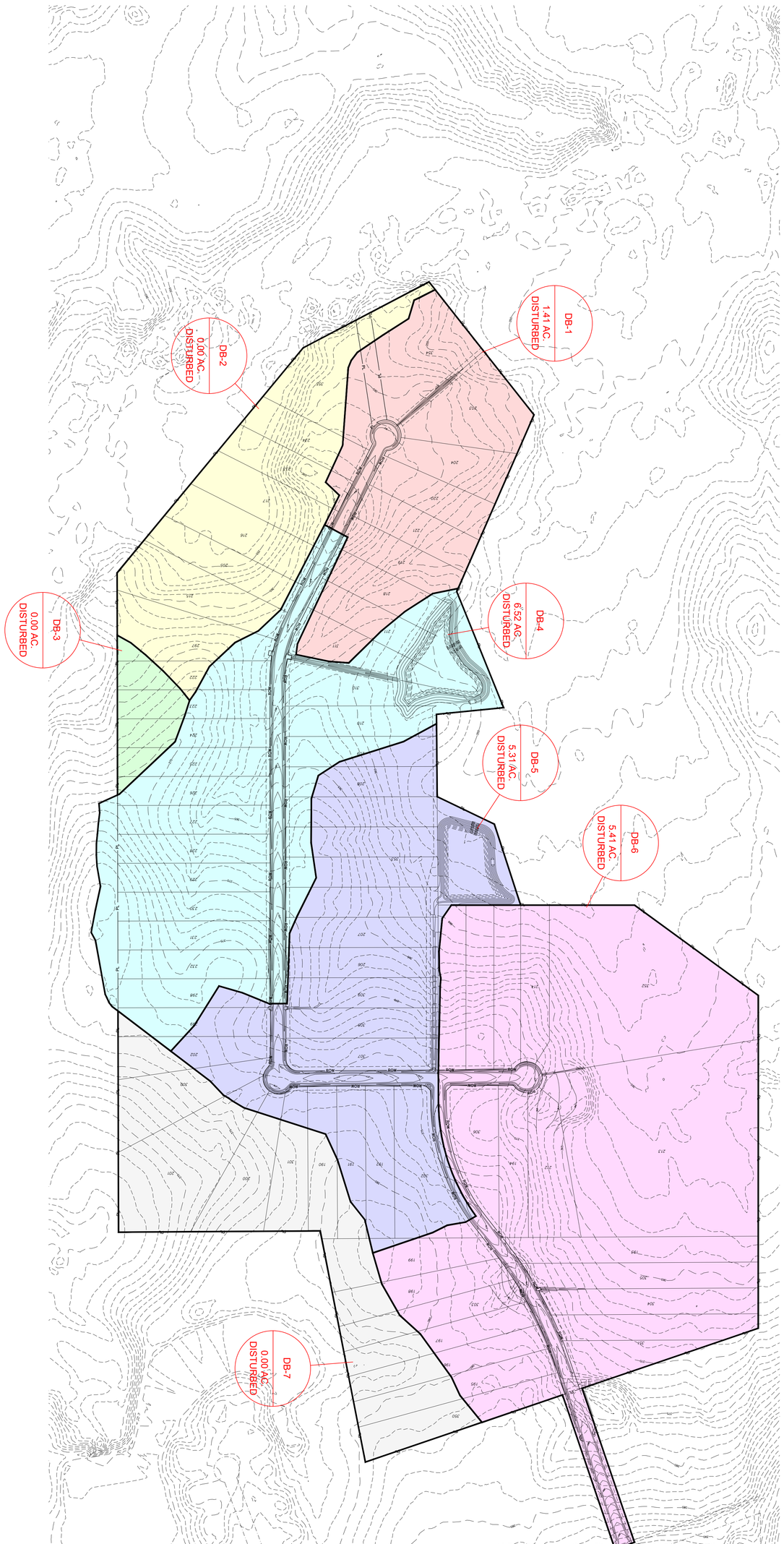
CLIENT:
S&S BUILDERS OF MS, INC.
1940 FLORENCE BYRAM RD. FLORENCE, MS 39073

PROJECT:
NEW HAVEN, PHASE 2

SHEET CONTENTS:
EROSION CONTROL DETAILS

SHEET NUMBER
19 of 31

PROJECT NUMBER
B-9902



PROJECT NUMBER: B-9902

SHEET NUMBER: 1 of 1

PROJECT: NEW HAVEN, PHASE 2

SHEET CONTENTS: DRAINAGE BASIN MAP

PROJECT LOCATION: SANCTUARY DRIVE, RANKIN COUNTY, MISSISSIPPI

CLIENT: S&S BUILDERS OF MS, INC., 1940 FLORENCE BYRAM RD, FLORENCE, MS 39073

DATE: 12/20/23 | DRAWN: JHB | CHECKED: GAB | SCALE: 1"=100'

REF C/L:

EG SURFACE:

FG SURFACE:

REVISIONS:

BENCHMARK
ENGINEERING & SURVEYING, LLC
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