MSR10 9 8 8 8 90873
(NUMBER TO BE ASSIGNED BY STATE)

APPLICANT IS THE: ☑ OWNER ☐ PRIME CONTRACTOR

OWNER CONTACT INFORMATION

OWNER CONTACT PERSON: DUSTY WARD 63952
OWNER COMPANY LEGAL NAME: DUSTY WARD CONSTRUCTION, LLC
OWNER STREET OR P.O. BOX: 4153 HWY 9 S
OWNER CITY: PONTOTOC STATE: MS ZIP: 38863
OWNER PHONE #: (662) 419-5994 OWNER EMAIL: Dustyward80@gmail.com

PREPARER CONTACT INFORMATION

IF NOI WAS PREPARED BY SOMEONE OTHER THAN THE APPLICANT
CONTACT PERSON: NORMAN NICHOLS, PE
COMPANY LEGAL NAME: CIVILSURV, LLC
STREET OR P.O. BOX: 1015 CR 578
CITY: BLUE MOUNTAIN STATE: MS ZIP: 38610
PHONE # ( ) 662-419-4799 EMAIL: civilsurvllc@gmail.com

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: SOUTH POINTE SUBDIVISION

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: PALESTINE RD
CITY: RANDOLPH STATE: MS COUNTY: PONTOTOC ZIP: 38864

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

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]: 28 ACRES (Approx 7 acre increments)

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)

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: 2026-07-01 (YYYY-MM-DD)

ESTIMATED CONSTRUCTION PROJECT END DATE: 2031-07-01 (YYYY-MM-DD)

DESCRIPTION OF CONSTRUCTION ACTIVITY: Road Construction, Lot Grading, Water line installation

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

SIC Code: 6552 NAICS Code 237210

NEAREST NAMED RECEIVING STREAM: Funny 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):

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:

NA

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.

Dusty Ward — **Signature of Applicant[1] (owner or prime contractor)**

5-14-26 — **Date Signed**

Dusty Ward — **Printed Name[1]**

Owner — **Title**

[1]This application shall be signed as follows:

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

For a municipal, state or other public facility, by principal executive officer, mayor, or ranking elected official

Please submit the LCNOI form to: **Chief, Environmental Permits Division**
MS Department of Environmental Quality, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225

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

Revised 3/23/22

Outlook

FW: Construction Stormwater - Initial Notice of Intent for South Pointe receipt

From NOIs <NOIs@mdeq.ms.gov>
Date Wed 5/20/2026 8:40 AM
To Joshua Craft <jcraft@mdeq.ms.gov>

Carrie Barefoot, P.E.
Division Chief
MDEQ – Land Disturbance Division
P.O. Box 2261, Jackson, MS 39225
515 E. Amite Street, Jackson, MS 39201
Office: (601) 961-5249

From: MDEQ <mdeqweb@mdeq.ms.gov>
Sent: Thursday, May 14, 2026 9:28 PM
To: Dustyward80@gmail.com; civilsurvllc@gmail.com
Subject: Construction Stormwater - Initial Notice of Intent for South Pointe receipt

Thank you for your Construction Stormwater Initial Notice of Intent for South Pointe. This is an automated email for your records to acknowledge receipt of your submittal.

NOTE: The applicant MUST mail a hard copy of the submittal and all supporting documents with an original signature to:

Mississippi Department of Environmental Quality
Environmental Permits Division
PO Box 2261
Jackson, MS 39225-2261

To check the status of your application, please check Recently Received NOIs or Recently Issued Coverages.

PLEASE NOTE: Due to staff shortage, the anticipated processing times for Stormwater General Permit Coverages are extended. It is recommended that applicants submit their NOI's and supporting documents at least 60 days ahead of projected start date and ensure that the application forms (NOIs, Modification Forms, etc.) and Storm Water Pollution Prevention Plans are complete and have the appropriate signature. Incomplete applications will further delay processing.

--Please do not reply to this email. For assistance, use the contact form on the webpage (https://mdeq.ms.gov/permits/environmental-permits-division/about-epd/branches/) or reach MDEQ by phone at (601)961-5171.--

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This e-mail was sent from a contact form on MDEQ (http://mdeq.ms.gov)

MISSISSIPPI STATE DEPARTMENT OF HEALTH

April 2, 2026

Dusty Ward
4153 Hwy 9 South
Pontotoc, MS 38863

RE: S/D Review Complete – South Pointe S/D (Lots 1-40), Palestine Rd, Pontotoc County

Mr. Ward:

The Mississippi Department of Health, Division of On-site Wastewater has completed the review of your proposed subdivision. This review satisfies the requirement of Mississippi Code of 1972, Annotated, Section 41 – 67- 4 (2) and authorizes the Mississippi State Department of Health to accept Notices of Intent. This does not imply or guarantee that each lot will support an individual on-site wastewater disposal system, but that the area is generally suitable for the use of individual on-site wastewater disposal systems as platted for single family residences with one residence per lot.

No owner, lessee or developer shall construct or place any mobile, modular or permanently constructed residence, building or facility, which may require the installation of an individual on-site wastewater disposal system, without having first submitting a Notice of Intent to the Mississippi State Department of Health. The developer, owner, or their agent must provide a plot plan, legal description, and fee to the Mississippi State Department of Health for a soil and site evaluation. A soil and site evaluation shall be conducted with the results returned to the applicant as each Notice of Intent is filed.

As the developer, you must ensure that all local, county or state requirements are met with regard to this development. This includes but is not limited to Mississippi State Department of Health, Bureau of Water Supply and Mississippi State Department of Environmental Quality regulations.

Please be aware that should this development be reconfigured in any way, the Department may require additional review prior to acceptance of Notices of Intent for this development.

If you have any questions, please contact the Division of On-site Wastewater at (601) 576 – 7150.

Respectfully,

Noah Killebrew

Noah Killebrew, E.I.

cc: Randy Jones
Brent Johns
Bill Carson
Traci McQuary
Ashley Koiva

EROSION, SEDIMENT, AND STORMWATER CONTROL PLAN

SOUTH POINTE

PONTOTOC COUNTY,
MISSISSIPPI

OWNER: DUSTY WARD CONSTRUCTION, LLC

DUSTY WARD
4153 HIGHWAY 9 SOUTH
PONTOTOC, MS

MAY 2026

CONSULTING ENGINEER:
CIVILSURV
1015 COUNTY ROAD 578
BLUE MOUNTAIN, MS 38610

1.0 Project Description

The scope of this project includes earthwork, erosion control, and drainage work on a future development site on Palestine Road in Pontotoc County, MS. Approximately 28 acres is considered the work area for this project but ***disturbance will only occur in approx. 7 acres increments***. The intent of the project is to make the property ready for residential development but it will be phased build out due to slow demand in this rural area.

2.0 Site Description

2.1 Pre Construction

The existing site is mostly open and has gently sloping topography.

2.2 Planned Construction

The site will be graded to elevations as shown on the attached grading sheets for a residential development. Perimeter slopes will be no steeper than 3:1.

2.3 Adjacent Property

No significant impacts to surrounding property will be incurred.

2.4 Soils

The project soil is primarily made up of a silty loam. (see attached soils map & properties). These materials are considered a moderate erosion risk (see attached K Factor rating).

3.0 Planned Erosion, Sediment and Stormwater Control Practices

The project will first require the installation of best management practices (BMPs), such as installation of a stone construction entrance, silt fence installation, and erosion checks as necessary. All necessary BMPs will then be maintained until the project is fully stabilized.

Specific Implementation Sequence

A. Mark and flag property boundary
B. Construction entrances and/or exits (see 3.1)
C. Stripping the upper portion of light vegetation
D. Install all silt fence, straw wattles, rock checks, or any necessary BMPs.
E. Remainder of earthwork to establish required elevations (see 3.3 for seeding and mulching)
F. Maintain all BMPs until project is fully stabilized

3.1 Construction Entrances/Exits

At **any** location in which construction traffic comes to and from the project site, a stone (3" stone recommended) surfaced area is required.

3.2 Sediment Barriers and Basins

Silt fence, straw wattle barriers, and rock checks shall be installed and maintained along all key paths of drainage. Sediment basins required should remain and be maintained by removing silt routinely as required in the construction plans (Silt basin-Type D) until the project is fully stabilized.

3.3 Seeding and Mulching

Soil stabilization-vegetative stabilization measures must be initiated whenever any clearing, grading, grubbing, excavating or other land disturbing activities have temporarily or permanently ceased on any portion of the site and will not resume for a period of fourteen (14) calendar days or more. The appropriate temporary or permanent vegetative practices shall be initiated immediately. For purposes of this permit, "immediately" is interpreted to mean no later than the next work day.

3.4 Housekeeping Practices

All equipment maintenance and repair will be done offsite. Trash cans will be placed at convenient locations throughout the site. For the street construction, the material storage area will be the cul de sac area once grading is completed. A sediment pit will be excavated for concrete trucks to wash the mixer chute with a minimal amount of water to be used in doing this. Drivers shall return to the concrete batch plant to complete any final washing.

4.0 Inspection and Maintenance Plan

4.1 All controls and outfalls/discharge points are inspected after rain events that produce a discharge and at least weekly for a **minimum of four(4) inspections** per month.

4.2 All erosion and sediment control practices will be checked for stability and operation following every runoff-producing rainfall but in no case less than once every week. Any needed repairs will be made immediately (within 24 hours) to maintain all practices as designated.

4.3 Permanent corrective measures shall be implemented within five (5) days of the inspection; however, if permanent corrective

measures cannot be implemented within the timeframes provided herein the owner or operator shall contact MDEQ.

4.4 Sediment will be removed from the inlet protection structures when storage capacity has been reduced approximately 50%.

4.5 Sediment will be removed from behind the sediment barriers when it becomes one third of the barrier height. The sediment barrier will be repaired or replaced as necessary to maintain continuous protection.

4.6 All seeded areas will be fertilized, reseeded as necessary and mulched according to the construction specifications to maintain a vigorous, dense vegetative cover.

5.0 Training and Record Keeping

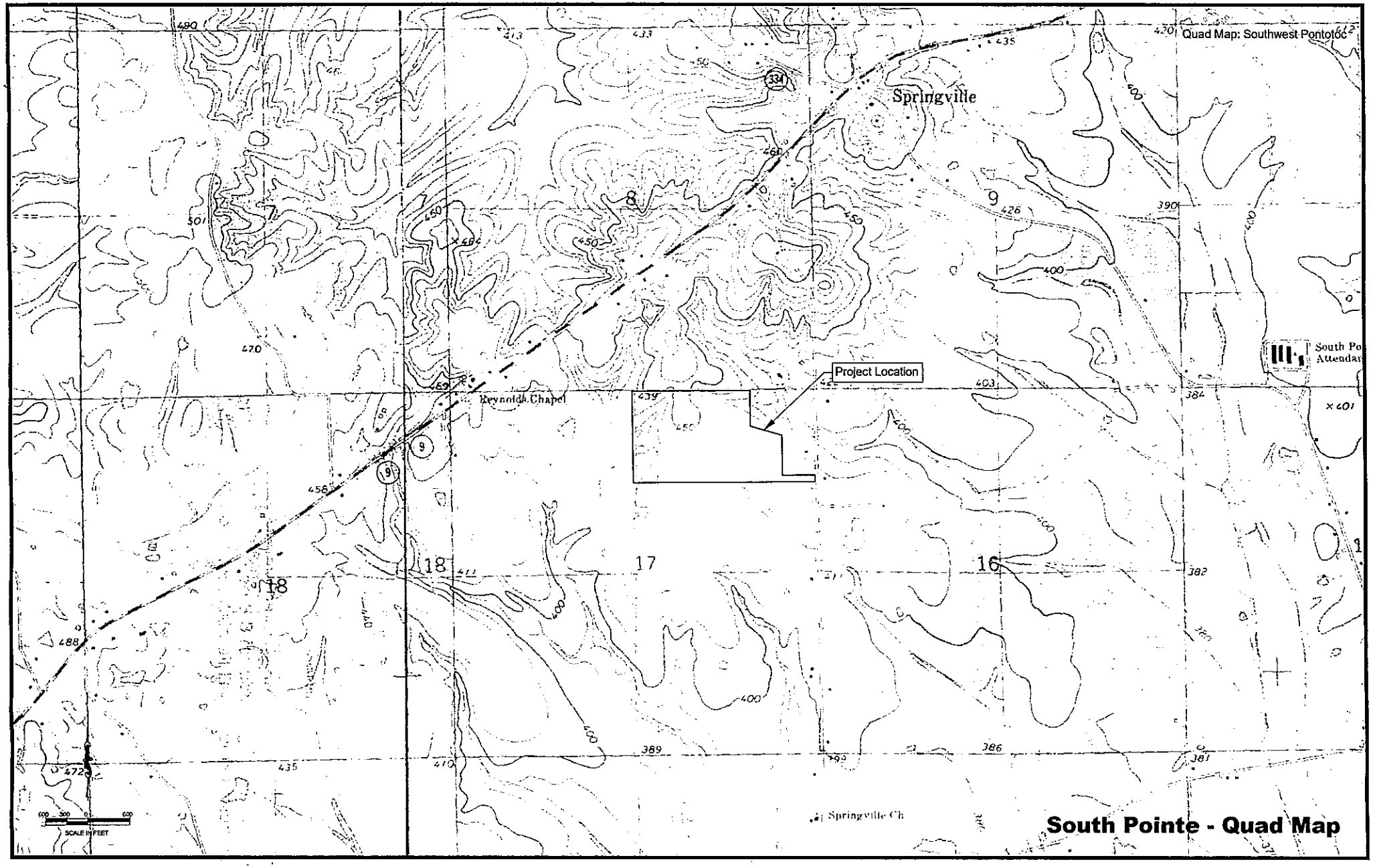
5.1 The permittee is responsible for ensuring that all activities on the site comply with the requirements of this permit. The permittee is not required to provide or document formal training for subcontractors or other outside service providers, but the permittee must ensure that such personnel understand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

5.2 At a minimum, members of the stormwater team must be trained to understand the following if related to the scope of their job duties (e.g., only personnel responsible for conducting inspections need to understand how to conduct inspections):

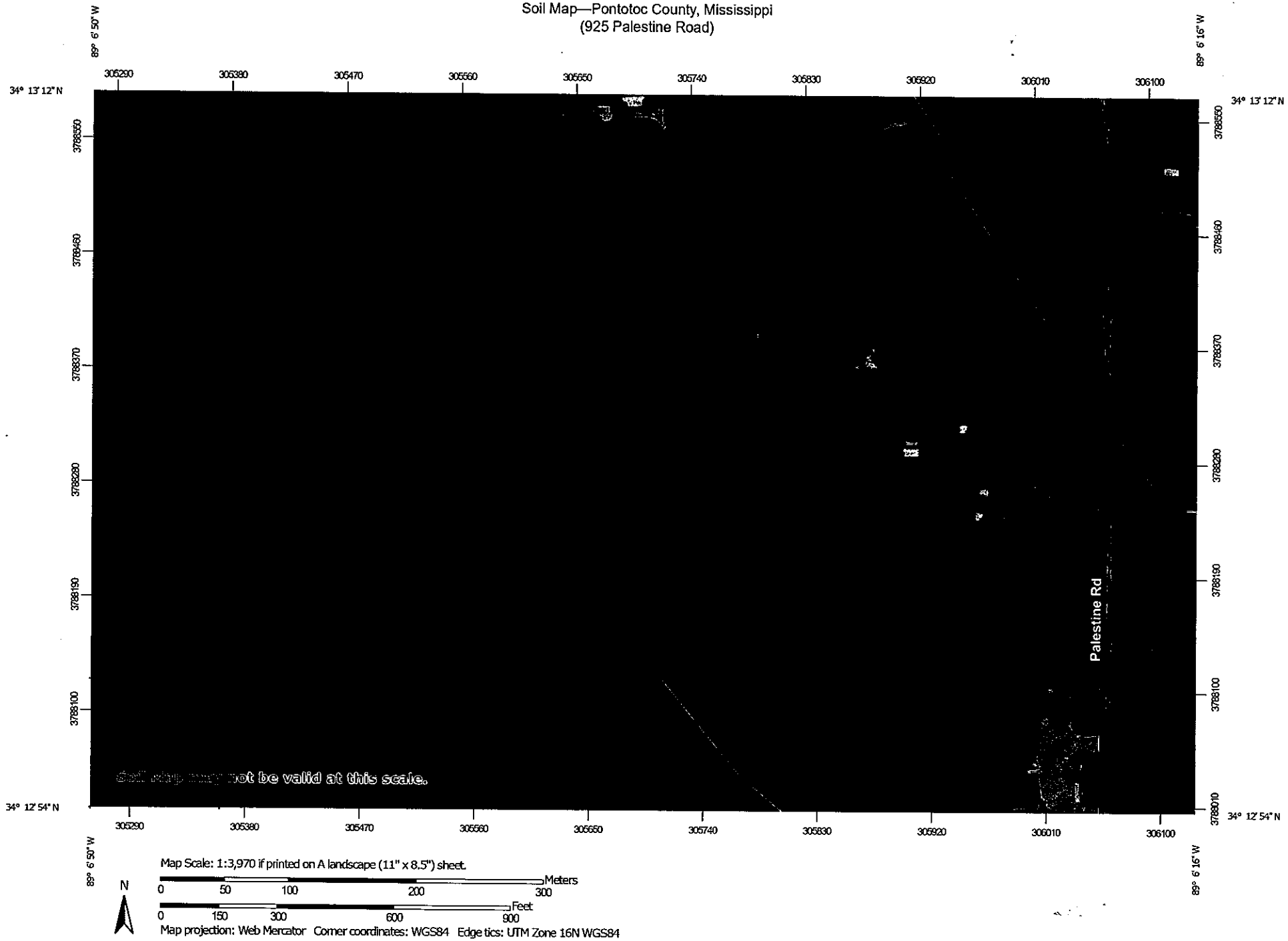
- The permit deadlines associated with installation, maintenance, and removal of stormwater controls and with stabilization;
- The location of all stormwater controls on the site required by this permit and how they are to be maintained
- The proper procedures to follow with respect to the permit's pollution prevention requirements
- When and how to conduct inspections, record applicable findings, and take corrective actions
- Each member of the stormwater team must have easy access to an electronic or paper copy of applicable portions of this permit, the most updated copy of the SWPPP, and other relevant documents or information that must be kept with the SWPPP

5.3 Training records shall include employee's name, date of training, brief content/nature of training, and the employee's signature acknowledging training was received. Staff training associated with this permit may be documented on the Employee Training Log that is provided on the MDEQ website at www.mdeq.ms.gov/construction-stormwater/. The permittee may use an alternative form to record this information, so long as it includes all of the information on the above referenced form. Employee training documentation shall be maintained on-site with the SWPPP and made available to MDEQ personnel for inspection upon request.

END OF SWPPP


Quad Map: Southwest Pontotoc
Springville
Project Location
Reynolds Chapel
Springville Ch
South Pointe - Quad Map

Soil Map—Pontotoc County, Mississippi
(925 Palestine Road)



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: Pontotoc County, Mississippi
Survey Area Data: Version 20, Sep 8, 2025

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

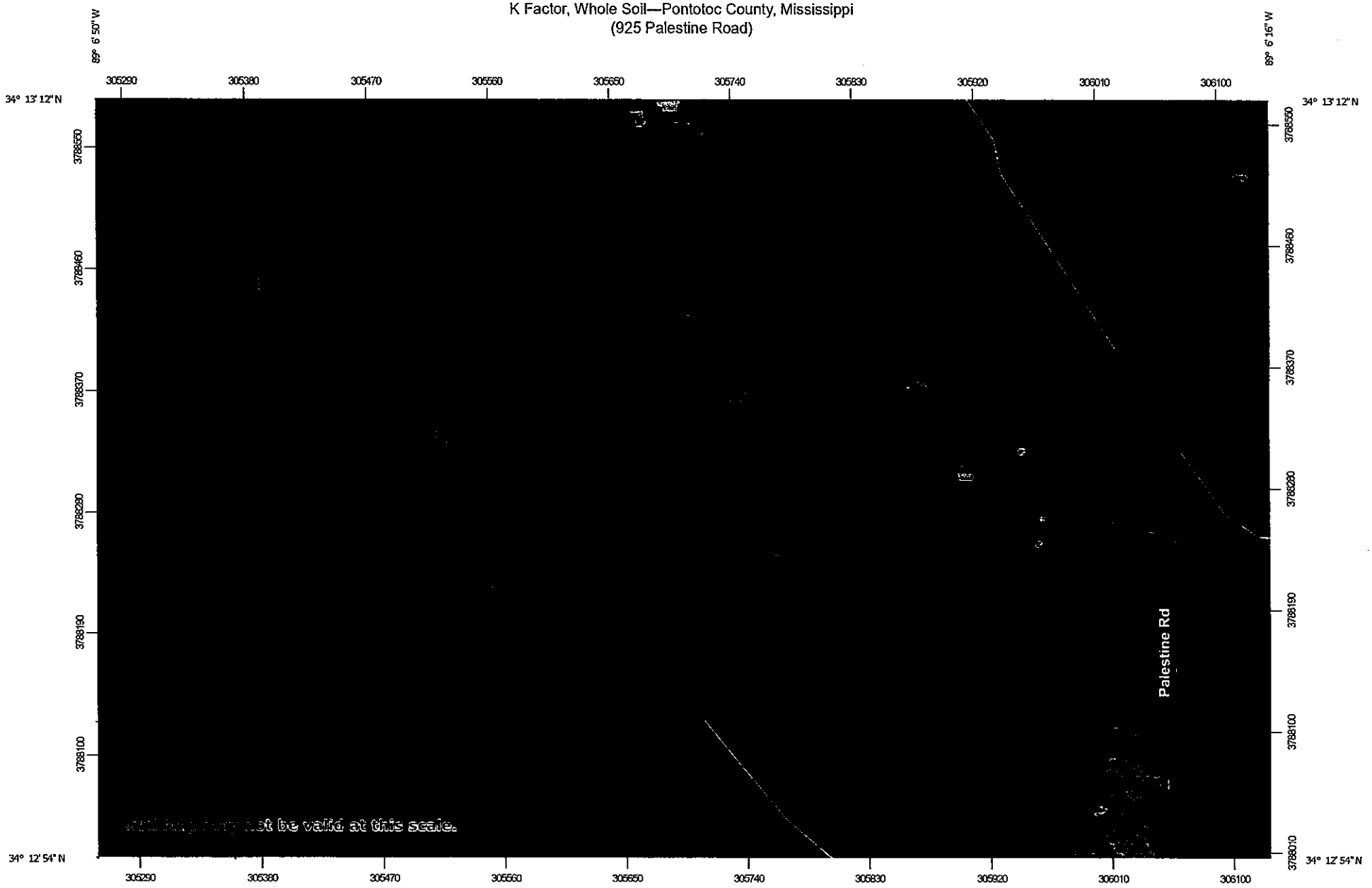
Date(s) aerial images were photographed: Data not available.

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
FkA	Falkner silt loam, 0 to 2 percent slopes	0.8	2.9%
FkB	Falkner silt loam, 2 to 5 percent slopes	20.3	73.2%
FkC2	Falkner silt loam, 5 to 8 percent slopes, eroded	0.5	1.7%
MsA	Mayhew silty clay loam, 0 to 2 percent slopes	6.1	22.1%
TWE	Tippah-Providence-Wilcox association, hilly	0.0	0.1%
Totals for Area of Interest		**27.7**	**100.0%**

K Factor, Whole Soil—Pontotoc County, Mississippi
(925 Palestine Road)



MAP LEGEND

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

Soils

Soil Rating Polygons
- .02
- .05
- .10
- .15
- .17
- .20
- .24
- .28
- .32
- .37
- .43
- .49
- .55
- .64
- Not rated or not available

Soil Rating Lines
- .02
- .05
- .10
- .15
- .17
- .20
- .24
- .28
- .32
- .37
- .43
- .49
- .55
- .64
- Not rated or not available

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.

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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.

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Survey Area Data: Version 20, Sep 8, 2025

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

Date(s) aerial images were photographed: Data not available.

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.

K Factor, Whole Soil

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
FkA	Falkner silt loam, 0 to 2 percent slopes	.49	0.8	2.9%
FkB	Falkner silt loam, 2 to 5 percent slopes	.49	20.3	73.2%
FkC2	Falkner silt loam, 5 to 8 percent slopes, eroded	.49	0.5	1.7%
MsA	Mayhew silty clay loam, 0 to 2 percent slopes	.43	6.1	22.1%
TWE	Tippah-Providence-Wilcox association, hilly	.49	0.0	0.1%
Totals for Area of Interest			**27.7**	**100.0%**

Description

Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion by water. Factor K is one of six factors used in the Universal Soil Loss Equation (USLE) and the Revised Universal Soil Loss Equation (RUSLE) to predict the average annual rate of soil loss by sheet and rill erosion in tons per acre per year. The estimates are based primarily on percentage of silt, sand, and organic matter and on soil structure and saturated hydraulic conductivity (Ksat). Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

"Erosion factor Kw (whole soil)" indicates the erodibility of the whole soil. The estimates are modified by the presence of rock fragments.

Factor K does not apply to organic horizons and is not reported for those layers.

Rating Options

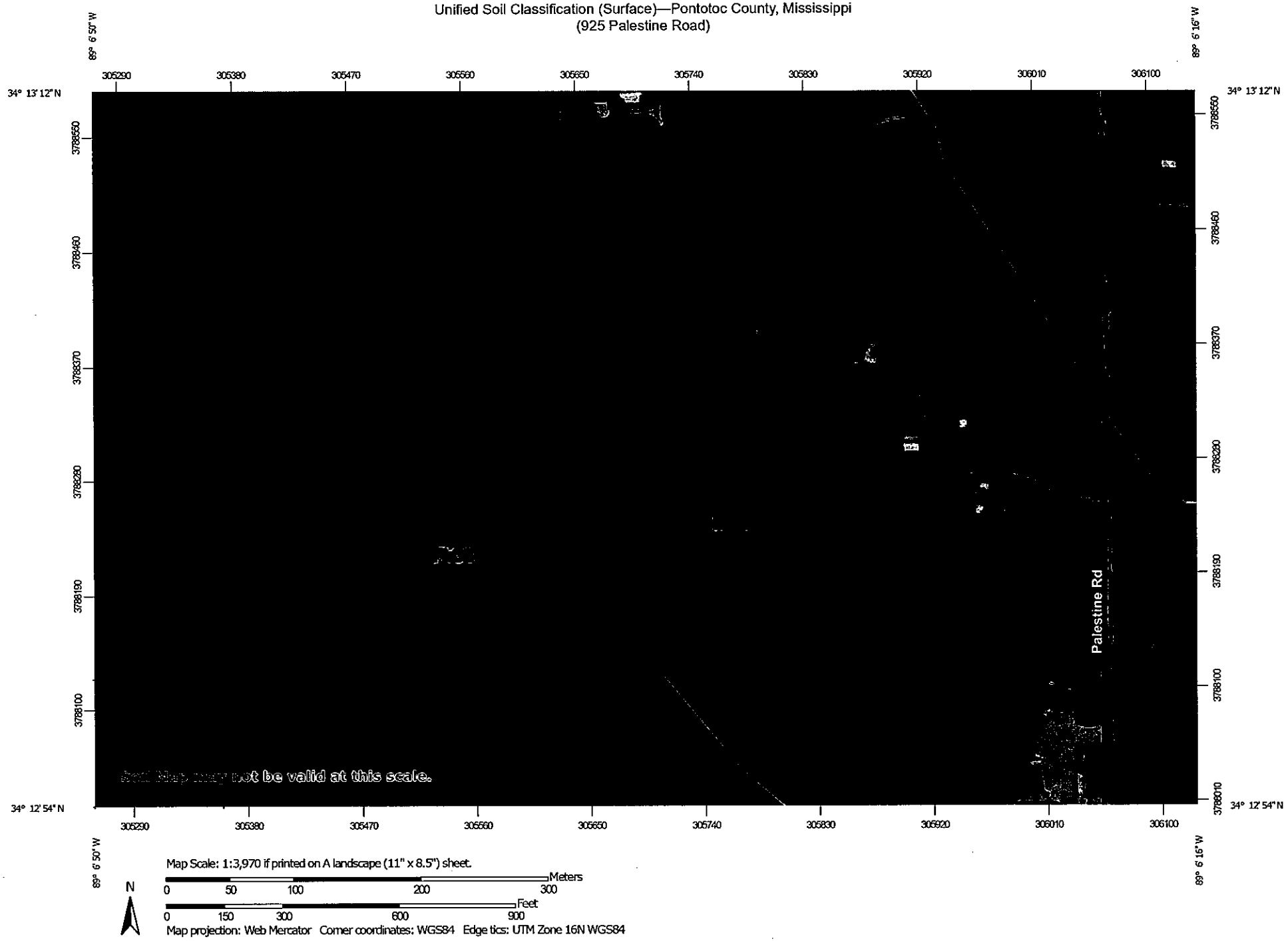
Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Layer Options (Horizon Aggregation Method): Surface Layer (Not applicable)

Unified Soil Classification (Surface)—Pontotoc County, Mississippi
(925 Palestine Road)



MAP LEGEND

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

Soils

Soil Rating Polygons
- CH
- CL
- CL-A (proposed)
- CL-K (proposed)
- CL-ML
- CL-O (proposed)
- CL-T (proposed)
- GC
- GC-GM
- GM
- GP
- GP-GC
- GP-GM
- GW
- GW-GC
- GW-GM
- MH
- MH-A (proposed)
- MH-K (proposed)
- MH-O (proposed)
- MH-T (proposed)
- ML
- ML-A (proposed)
- ML-K (proposed)
- ML-O (proposed)
- ML-T (proposed)
- OH
- OH-T (proposed)
- OL
- PT
- SC
- SC-SM
- SM
- SP
- SP-SC
- SP-SM
- SW
- SW-SC
- SW-SM
- Not rated or not available

Soil Rating Lines
- CH
- CL
- CL-A (proposed)
- CL-K (proposed)
- CL-ML
- CL-O (proposed)
- CL-T (proposed)
- GC
- GC-GM
- GM
- GP
- GP-GC
- GP-GM
- GW
- GW-GC
- GW-GM
- MH
- MH-A (proposed)
- MH-K (proposed)
- MH-O (proposed)
- MH-T (proposed)
- ML
- ML-A (proposed)
- ML-K (proposed)
- ML-O (proposed)
- ML-T (proposed)
- OH
- OH-T (proposed)
- OL
- PT
- SC
- SC-SM
- SM
- SP
- SP-SC
- SP-SM
- SW
- SW-SC
- SW-SM
- Not rated or not available

Soil Rating Points
- CH
- CL
- CL-A (proposed)
- CL-K (proposed)
- CL-ML
- CL-O (proposed)
- CL-T (proposed)
- GC
- GC-GM
- GM
- GP
- GP-GC
- GP-GM
- GW
- GW-GC
- GW-GM
- MH
- MH-A (proposed)
- MH-K (proposed)
- MH-O (proposed)
- MH-T (proposed)
- ML
- ML-A (proposed)
- ML-K (proposed)
- ML-O (proposed)
- ML-T (proposed)
- OH
- OH-T (proposed)
- OL
- PT
- SC
- SC-SM
- SM
- SP
- SP-SC
- SP-SM
- SW
- SW-SC
- SW-SM
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails

MAP INFORMATION

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

Background

- Aerial Photography

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: Pontotoc County, Mississippi
Survey Area Data: Version 20, Sep 8, 2025

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

Date(s) aerial images were photographed: Data not available.

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.

RUSLE2 Related Attributes

This report summarizes those soil attributes used by the Revised Universal Soil Loss Equation Version 2 (RUSLE2) for the map units in the selected area. The report includes the map unit symbol, the component name, and the percent of the component in the map unit. Soil property data for each map unit component include the hydrologic soil group, erosion factor Kf for the surface horizon, erosion factor T, and the representative percentage of sand, silt, and clay in the mineral surface horizon. Missing surface data may indicate the presence of an organic layer.

Report—RUSLE2 Related Attributes

Soil properties and interpretations for erosion runoff calculations. The surface mineral horizon properties are displayed or the first mineral horizon below an organic surface horizon. Organic horizons are not displayed.

RUSLE2 Related Attributes–Pontotoc County, Mississippi

Map symbol and soil name	Pct. of map unit	Slope length (ft)	Hydrologic group	Kf	T factor	Representative value		
						% Sand	% Silt	% Clay
FkA—Falkner silt loam, 0 to 2 percent slopes								
Falkner	90	108	C	.49	5	20.8	67.7	11.5
FkB—Falkner silt loam, 2 to 5 percent slopes								
Falkner	90	69	C	.49	5	20.8	67.7	11.5
FkC2—Falkner silt loam, 5 to 8 percent slopes, eroded								
Falkner	100	98	C	.49	5	20.8	67.7	11.5
MsA—Mayhew silty clay loam, 0 to 2 percent slopes								
Mayhew	90	180	D	.43	5	17.8	54.2	28.0
TWE—Tippah-Providence-Wilcox association, hilly								
Tippah	40	59	C	.49	5	14.3	73.2	12.5
Providence	25	59	C	.49	4	21.6	69.9	8.5
Wilcox	15	59	D	.43	4	19.9	52.6	27.5

Data Source Information

Soil Survey Area: Pontotoc County, Mississippi
Survey Area Data: Version 20, Sep 8, 2025

Unified Soil Classification (Surface)

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
FkA	Falkner silt loam, 0 to 2 percent slopes	CL	0.8	2.9%
FkB	Falkner silt loam, 2 to 5 percent slopes	ML	20.3	73.2%
FkC2	Falkner silt loam, 5 to 8 percent slopes, eroded		0.5	1.7%
MsA	Mayhew silty clay loam, 0 to 2 percent slopes		6.1	22.1%
TWE	Tippah-Providence-Wilcox association, hilly		0.0	0.1%
Totals for Area of Interest			**27.7**	**100.0%**

Description

The Unified soil classification system classifies mineral and organic mineral soils for engineering purposes on the basis of particle-size characteristics, liquid limit, and plasticity index. It identifies three major soil divisions: (i) coarse-grained soils having less than 50 percent, by weight, particles smaller than 0.074 mm in diameter; (ii) fine-grained soils having 50 percent or more, by weight, particles smaller than 0.074 mm in diameter; and (iii) highly organic soils that demonstrate certain organic characteristics. These divisions are further subdivided into a total of 15 basic soil groups. The major soil divisions and basic soil groups are determined on the basis of estimated or measured values for grain-size distribution and Atterberg limits. ASTM D 2487 shows the criteria chart used for classifying soil in the Unified system and the 15 basic soil groups of the system and the plasticity chart for the Unified system.

The various groupings of this classification correlate in a general way with the engineering behavior of soils. This correlation provides a useful first step in any field or laboratory investigation for engineering purposes. It can serve to make some general interpretations relating to probable performance of the soil for engineering uses.

For each soil horizon in the database one or more Unified soil classifications may be listed. One is marked as the representative or most commonly occurring. The representative classification is shown here for the surface layer of the soil.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Layer Options (Horizon Aggregation Method): Surface Layer (Not applicable)

Engineering Properties

This table gives the engineering classifications and the range of engineering properties for the layers of each soil in the survey area.

Hydrologic soil group is a group of soils having similar runoff potential under similar storm and cover conditions. The criteria for determining Hydrologic soil group is found in the National Engineering Handbook, Chapter 7 issued May 2007(http://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=17757.wba). Listing HSGs by soil map unit component and not by soil series is a new concept for the engineers. Past engineering references contained lists of HSGs by soil series. Soil series are continually being defined and redefined, and the list of soil series names changes so frequently as to make the task of maintaining a single national list virtually impossible. Therefore, the criteria is now used to calculate the HSG using the component soil properties and no such national series lists will be maintained. All such references are obsolete and their use should be discontinued. Soil properties that influence runoff potential are those that influence the minimum rate of infiltration for a bare soil after prolonged wetting and when not frozen. These properties are depth to a seasonal high water table, saturated hydraulic conductivity after prolonged wetting, and depth to a layer with a very slow water transmission rate. Changes in soil properties caused by land management or climate changes also cause the hydrologic soil group to change. The influence of ground cover is treated independently. There are four hydrologic soil groups, A, B, C, and D, and three dual groups, A/D, B/D, and C/D. In the dual groups, the first letter is for drained areas and the second letter is for undrained areas.

The four hydrologic soil groups are described in the following paragraphs:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

Depth to the upper and lower boundaries of each layer is indicated.

Texture is given in the standard terms used by the U.S. Department of Agriculture. These terms are defined according to percentages of sand, silt, and clay in the fraction of the soil that is less than 2 millimeters in diameter. "Loam," for example, is soil that is 7 to 27 percent clay, 28 to 50 percent silt, and less than 52 percent sand. If the content of particles coarser than sand is 15 percent or more, an appropriate modifier is added, for example, "gravelly."

Classification of the soils is determined according to the Unified soil classification system (ASTM, 2005) and the system adopted by the American Association of State Highway and Transportation Officials (AASHTO, 2004).

The Unified system classifies soils according to properties that affect their use as construction material. Soils are classified according to particle-size distribution of the fraction less than 3 inches in diameter and according to plasticity index, liquid limit, and organic matter content. Sandy and gravelly soils are identified as GW, GP, GM, GC, SW, SP, SM, and SC; silty and clayey soils as ML, CL, OL, MH, CH, and OH; and highly organic soils as PT. Soils exhibiting engineering properties of two groups can have a dual classification, for example, CL-ML.

The AASHTO system classifies soils according to those properties that affect roadway construction and maintenance. In this system, the fraction of a mineral soil that is less than 3 inches in diameter is classified in one of seven groups from A-1 through A-7 on the basis of particle-size distribution, liquid limit, and plasticity index. Soils in group A-1 are coarse grained and low in content of fines (silt and clay). At the other extreme, soils in group A-7 are fine grained. Highly organic soils are classified in group A-8 on the basis of visual inspection.

If laboratory data are available, the A-1, A-2, and A-7 groups are further classified as A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-7-5, or A-7-6. As an additional refinement, the suitability of a soil as subgrade material can be indicated by a group index number. Group index numbers range from 0 for the best subgrade material to 20 or higher for the poorest.

Percentage of rock fragments larger than 10 inches in diameter and 3 to 10 inches in diameter are indicated as a percentage of the total soil on a dry-weight basis. The percentages are estimates determined mainly by converting volume percentage in the field to weight percentage. Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

Percentage (of soil particles) passing designated sieves is the percentage of the soil fraction less than 3 inches in diameter based on an ovendry weight. The sieves, numbers 4, 10, 40, and 200 (USA Standard Series), have openings of 4.76, 2.00, 0.420, and 0.074 millimeters, respectively. Estimates are based on laboratory tests of soils sampled in the survey area and in nearby areas and on estimates made in the field. Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

Liquid limit and *plasticity index* (Atterberg limits) indicate the plasticity characteristics of a soil. The estimates are based on test data from the survey area or from nearby areas and on field examination. Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

References:

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Report—Engineering Properties

Absence of an entry indicates that the data were not estimated. The asterisk '*' denotes the representative texture; other possible textures follow the dash. The criteria for determining the hydrologic soil group for individual soil components is found in the National Engineering Handbook, Chapter 7 issued May 2007(http://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=17757.wba). Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

Engineering Properties–Pontotoc County, Mississippi

Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
FkA—Falkner silt loam, 0 to 2 percent slopes														
Falkner	90	C	0-5	Silt loam	CL	A-6, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	92-95- 98	85-87- 92	28-28 -30	8-8 -13
			5-23	Silt loam, silty clay loam	CL	A-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	94-96-1 00	88-91- 95	30-32 -36	12-14-1 7
			23-41	Silty clay loam, silt loam	CL	A-6, A-7-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	92-96-1 00	84-90- 95	31-39 -49	13-19-2 7
			41-63	Silty clay loam, silty clay, clay	CL, CH	A-7-6, A-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	93-96-1 00	86-90- 94	38-41 -51	19-21-2 9
			63-80	Silty clay, clay, silty clay loam	CH	A-7-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	94-97-1 00	88-93- 96	50-53 -56	28-30-3 3

Engineering Properties–Pontotoc County, Mississippi														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
FkB—Falkner silt loam, 2 to 5 percent slopes														
Falkner	90	C	0-8	Silt loam	ML, CL	A-6, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	89-94-1 00	76-82- 91	20-21 -30	2-3 -13
			8-26	Silt loam, silty clay loam	CL	A-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	94-96-1 00	88-91- 95	30-32 -34	11-14-1 6
			26-57	Silty clay loam	CL, CH	A-7-6, A-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	90-96-1 00	81-90- 97	31-47 -52	13-25-2 9
			57-80	Silty clay, clay, silty clay loam	CH, CL	A-7-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	94-97-1 00	88-93- 96	47-51 -55	25-28-3 2
FkC2—Falkner silt loam, 5 to 8 percent slopes, eroded														
Falkner	100	C	0-6	Silt loam	CL, CL-ML	A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	95-98-1 00	90-95-1 00	20-25 -30	5-8 -10
			6-22	Silt loam, silty clay loam	CL	A-6, A-7	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	95-98-1 00	85-90- 95	30-38 -45	15-23-3 0
			22-65	Silty clay, clay	CH	A-7	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	90-95-1 00	85-90- 95	51-63 -75	30-40-5 0
MsA—Mayhew silty clay loam, 0 to 2 percent slopes														
Mayhew	90	D	0-7	Silty clay loam	CL	A-6, A-7	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	86-99-1 00	75-88-1 00	28-42 -56	10-19-2 9
			7-40	Silty clay loam, silty clay, clay	CH, CL	A-7	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	87-96-1 00	77-86- 95	41-50 -59	21-28-3 5
			40-80	Silty clay, clay, silty clay loam	CH, CL	A-7	0- 0- 0	0- 0- 0	100-100 -100	90-95-1 00	76-94-1 00	73-91-1 00	45-59 -73	25-36-4 8

Engineering Properties–Pontotoc County, Mississippi														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
TWE—Tippah-Providence-Wilcox association, hilly														
Tippah	40	C	0-6	Silt loam	CL, CL-ML	A-4	0-0-0	0-0-0	100-100-100	100-100-100	92-99-100	83-91-98	17-26-35	2-8-13
			6-31	Silty clay loam, silt loam	CL	A-6, A-7	0-0-0	0-0-0	100-100-100	98-98-100	—	—	31-38-46	13-19-25
			31-60	Silty clay loam, silty clay, clay	CH	A-7	0-0-0	0-0-0	100-100-100	98-98-100	—	—	41-53-65	21-31-40
Providence	25	C	0-7	Silt loam	CL, CL-ML, ML	A-4	0-0-0	0-0-0	100-100-100	100-100-100	100-100-100	85-93-100	15-23-30	NP-5-10
			7-25	Silty clay loam, silt loam	CL	A-6, A-7	0-0-0	0-0-0	100-100-100	100-100-100	95-98-100	85-93-100	30-38-45	11-16-20
			25-46	Silt loam, silty clay loam	CL	A-6	0-0-0	0-0-0	100-100-100	100-100-100	90-95-100	70-80-90	25-33-40	11-16-20
			46-70	Loam, clay loam, sandy clay loam	CL, SC	A-4, A-6	0-0-0	0-0-0	100-100-100	95-98-100	70-83-95	40-60-80	20-28-35	8-13-18
Wilcox	15	D	0-5	Silty clay loam	CH, CL	A-6, A-7	0-0-0	0-0-0	100-100-100	100-100-100	95-98-100	80-89-98	30-41-51	15-23-30
			5-50	Clay, silty clay, silty clay loam	CH, MH	A-7	0-0-0	0-0-0	100-100-100	100-100-100	95-98-100	80-89-98	50-64-78	22-34-46
			50-57	Clay	CH	A-7	0-0-0	0-0-0	100-100-100	100-100-100	90-95-100	75-87-98	60-70-80	39-47-55
			57-73	Weathered bedrock	—	—	—	—	—	—	—	—	—	—

Data Source Information

Soil Survey Area: Pontotoc County, Mississippi
Survey Area Data: Version 20, Sep 8, 2025

Engineering Properties

This table gives the engineering classifications and the range of engineering properties for the layers of each soil in the survey area.

Hydrologic soil group is a group of soils having similar runoff potential under similar storm and cover conditions. The criteria for determining Hydrologic soil group is found in the National Engineering Handbook, Chapter 7 issued May 2007(http://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=17757.wba). Listing HSGs by soil map unit component and not by soil series is a new concept for the engineers. Past engineering references contained lists of HSGs by soil series. Soil series are continually being defined and redefined, and the list of soil series names changes so frequently as to make the task of maintaining a single national list virtually impossible. Therefore, the criteria is now used to calculate the HSG using the component soil properties and no such national series lists will be maintained. All such references are obsolete and their use should be discontinued. Soil properties that influence runoff potential are those that influence the minimum rate of infiltration for a bare soil after prolonged wetting and when not frozen. These properties are depth to a seasonal high water table, saturated hydraulic conductivity after prolonged wetting, and depth to a layer with a very slow water transmission rate. Changes in soil properties caused by land management or climate changes also cause the hydrologic soil group to change. The influence of ground cover is treated independently. There are four hydrologic soil groups, A, B, C, and D, and three dual groups, A/D, B/D, and C/D. In the dual groups, the first letter is for drained areas and the second letter is for undrained areas.

The four hydrologic soil groups are described in the following paragraphs:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

Depth to the upper and lower boundaries of each layer is indicated.

Texture is given in the standard terms used by the U.S. Department of Agriculture. These terms are defined according to percentages of sand, silt, and clay in the fraction of the soil that is less than 2 millimeters in diameter. "Loam," for example, is soil that is 7 to 27 percent clay, 28 to 50 percent silt, and less than 52 percent sand. If the content of particles coarser than sand is 15 percent or more, an appropriate modifier is added, for example, "gravelly."

Classification of the soils is determined according to the Unified soil classification system (ASTM, 2005) and the system adopted by the American Association of State Highway and Transportation Officials (AASHTO, 2004).

The Unified system classifies soils according to properties that affect their use as construction material. Soils are classified according to particle-size distribution of the fraction less than 3 inches in diameter and according to plasticity index, liquid limit, and organic matter content. Sandy and gravelly soils are identified as GW, GP, GM, GC, SW, SP, SM, and SC; silty and clayey soils as ML, CL, OL, MH, CH, and OH; and highly organic soils as PT. Soils exhibiting engineering properties of two groups can have a dual classification, for example, CL-ML.

The AASHTO system classifies soils according to those properties that affect roadway construction and maintenance. In this system, the fraction of a mineral soil that is less than 3 inches in diameter is classified in one of seven groups from A-1 through A-7 on the basis of particle-size distribution, liquid limit, and plasticity index. Soils in group A-1 are coarse grained and low in content of fines (silt and clay). At the other extreme, soils in group A-7 are fine grained. Highly organic soils are classified in group A-8 on the basis of visual inspection.

If laboratory data are available, the A-1, A-2, and A-7 groups are further classified as A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-7-5, or A-7-6. As an additional refinement, the suitability of a soil as subgrade material can be indicated by a group index number. Group index numbers range from 0 for the best subgrade material to 20 or higher for the poorest.

Percentage of rock fragments larger than 10 inches in diameter and 3 to 10 inches in diameter are indicated as a percentage of the total soil on a dry-weight basis. The percentages are estimates determined mainly by converting volume percentage in the field to weight percentage. Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

Percentage (of soil particles) passing designated sieves is the percentage of the soil fraction less than 3 inches in diameter based on an ovendry weight. The sieves, numbers 4, 10, 40, and 200 (USA Standard Series), have openings of 4.76, 2.00, 0.420, and 0.074 millimeters, respectively. Estimates are based on laboratory tests of soils sampled in the survey area and in nearby areas and on estimates made in the field. Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

Liquid limit and *plasticity index* (Atterberg limits) indicate the plasticity characteristics of a soil. The estimates are based on test data from the survey area or from nearby areas and on field examination. Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

References:

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Report—Engineering Properties

Absence of an entry indicates that the data were not estimated. The asterisk '*' denotes the representative texture; other possible textures follow the dash. The criteria for determining the hydrologic soil group for individual soil components is found in the National Engineering Handbook, Chapter 7 issued May 2007(http://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=17757.wba). Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

Engineering Properties–Pontotoc County, Mississippi														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
FkA—Falkner silt loam, 0 to 2 percent slopes														
Falkner	90	C	0-5	Silt loam	CL	A-6, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	92-95-98	85-87-92	28-28 -30	8-8 -13
			5-23	Silt loam, silty clay loam	CL	A-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	94-96-100	88-91-95	30-32 -36	12-14-17
			23-41	Silty clay loam, silt loam	CL	A-6, A-7-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	92-96-100	84-90-95	31-39 -49	13-19-27
			41-63	Silty clay loam, silty clay, clay	CL, CH	A-7-6, A-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	93-96-100	86-90-94	38-41 -51	19-21-29
			63-80	Silty clay, clay, silty clay loam	CH	A-7-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	94-97-100	88-93-96	50-53 -56	28-30-33
Wilcox	5	D	0-3	Silty clay loam	CH, CL	A-7-6, A-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	95-99-100	82-88-95	37-46 -54	19-24-29
			3-20	Clay	CH	A-7-6, A-7-5	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	93-98-100	85-93-100	69-80 -91	44-52-60
			20-60	Clay, silty clay	CH	A-7-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	87-97-100	80-90-100	59-70 -81	36-44-52
			60-80	Bedrock	—	—	—	—	—	—	—	—	—	—
Kipling	3	D	0-4	Silt loam	CL	A-6, A-4, A-7-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	90-95-100	76-82-91	27-37 -43	10-15-19
			4-37	Silty clay, clay	CH	A-7-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	90-97-100	84-95-100	50-59 -67	29-35-41
			37-68	Silty clay, clay	CH	A-7-6	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	89-97-100	81-95-100	50-61 -66	29-37-41

Engineering Properties–Pontotoc County, Mississippi														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
			68-80	Silty clay, clay	CH, CL	A-7-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	85-94-100	67-81-95	49-60-70	27-36-44
Adaton	2	C/D	0-6	Silt loam	CL, CL-ML	A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	96-99-100	88-91-94	23-28-32	6-8-10
			6-66	Silt loam, silty clay loam, silty clay	CL, CH	A-6, A-7-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	88-99-100	83-94-100	29-40-51	13-22-30

Engineering Properties–Pontotoc County, Mississippi														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
FkB—Falkner silt loam, 2 to 5 percent slopes														
Falkner	90	C	0-8	Silt loam	ML, CL	A-6, A-4	0-0-0	0-0-0	100-100-100	100-100-100	89-94-100	76-82-91	20-21-30	2-3-13
			8-26	Silt loam, silty clay loam	CL	A-6	0-0-0	0-0-0	100-100-100	100-100-100	94-96-100	88-91-95	30-32-34	11-14-16
			26-57	Silty clay loam	CL, CH	A-7-6, A-6	0-0-0	0-0-0	100-100-100	100-100-100	90-96-100	81-90-97	31-47-52	13-25-29
			57-80	Silty clay, clay, silty clay loam	CH, CL	A-7-6	0-0-0	0-0-0	100-100-100	100-100-100	94-97-100	88-93-96	47-51-55	25-28-32
Wilcox	5	D	0-3	Silty clay loam	CH, CL	A-7-6, A-6	0-0-0	0-0-0	100-100-100	100-100-100	95-99-100	82-88-95	37-46-54	19-24-29
			3-20	Clay	CH	A-7-6, A-7-5	0-0-0	0-0-0	100-100-100	100-100-100	93-98-100	85-93-100	69-80-91	44-52-60
			20-60	Clay, silty clay	CH	A-7-6	0-0-0	0-0-0	100-100-100	100-100-100	87-97-100	80-90-100	59-70-81	36-44-52
			60-80	Bedrock	—	—	—	—	—	—	—	—	—	—
Kipling	3	D	0-4	Silt loam	CL	A-6, A-4, A-7-6	0-0-0	0-0-0	100-100-100	100-100-100	90-95-100	76-82-91	27-37-43	10-15-19
			4-37	Silty clay, clay	CH	A-7-6	0-0-0	0-0-0	100-100-100	100-100-100	90-97-100	84-95-100	50-59-67	29-35-41
			37-68	Silty clay, clay	CH	A-7-6	0-0-0	0-0-0	100-100-100	100-100-100	89-97-100	81-95-100	50-61-66	29-37-41
			68-80	Clay, silty clay	CH, CL	A-7-6	0-0-0	0-0-0	100-100-100	100-100-100	85-94-100	67-81-95	49-60-70	27-36-44
Adaton	2	C/D	0-6	Silt loam	CL, CL-ML	A-4	0-0-0	0-0-0	100-100-100	100-100-100	96-99-100	88-91-94	23-28-32	6-8-10
			6-66	Silt loam, silty clay loam, silty clay	CL, CH	A-6, A-7-6	0-0-0	0-0-0	100-100-100	100-100-100	88-99-100	83-94-100	29-40-51	13-22-30

Engineering Properties–Pontotoc County, Mississippi														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
FkC2—Falkner silt loam, 5 to 8 percent slopes, eroded														
Falkner	100	C	0-6	Silt loam	CL, CL-ML	A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	95-98-100	90-95-100	20-25-30	5-8 -10
			6-22	Silt loam, silty clay loam	CL	A-6, A-7	0- 0- 0	0- 0- 0	100-100-100	100-100-100	95-98-100	85-90-95	30-38-45	15-23-30
			22-65	Silty clay, clay	CH	A-7	0- 0- 0	0- 0- 0	100-100-100	100-100-100	90-95-100	85-90-95	51-63-75	30-40-50
MsA—Mayhew silty clay loam, 0 to 2 percent slopes														
Mayhew	90	D	0-7	Silty clay loam	CL	A-6, A-7	0- 0- 0	0- 0- 0	100-100-100	100-100-100	86-99-100	75-88-100	28-42-56	10-19-29
			7-40	Silty clay loam, silty clay, clay	CH, CL	A-7	0- 0- 0	0- 0- 0	100-100-100	100-100-100	87-96-100	77-86-95	41-50-59	21-28-35
			40-80	Silty clay, clay, silty clay loam	CH, CL	A-7	0- 0- 0	0- 0- 0	100-100-100	90-95-100	76-94-100	73-91-100	45-59-73	25-36-48
Falkner	5	C	0-7	Silt loam	CL, CL-ML	A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	95-98-100	90-95-100	20-25-30	5-8 -10
			7-22	Silt loam, silty clay loam	CL	A-6, A-7	0- 0- 0	0- 0- 0	100-100-100	100-100-100	95-98-100	85-90-95	30-38-45	15-23-30
			22-65	Silty clay, clay	CH	A-7	0- 0- 0	0- 0- 0	100-100-100	100-100-100	90-95-100	85-90-95	51-63-75	30-40-50
Wilcox	5	D	0-5	Silty clay loam	CH, CL	A-7, A-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	95-98-100	80-89-98	30-41-51	15-23-30
			5-50	Clay, silty clay, silty clay loam	CH, MH	A-7	0- 0- 0	0- 0- 0	100-100-100	100-100-100	95-98-100	80-89-98	50-64-78	22-34-46
			50-57	Clay	CH	A-7	0- 0- 0	0- 0- 0	100-100-100	100-100-100	90-95-100	75-87-98	60-70-80	39-47-55
			57-73	Weathered bedrock	—	—	—	—	—	—	—	—	—	—

Engineering Properties–Pontotoc County, Mississippi														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
TWE—Tippah-Providence-Wilcox association, hilly														
Tippah	40	C	0-6	Silt loam	CL, CL-ML	A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	92-99-100	83-91-98	17-26-35	2-8 -13
			6-31	Silty clay loam, silt loam	CL	A-6, A-7	0- 0- 0	0- 0- 0	100-100-100	98-98-100	—	—	31-38-46	13-19-25
			31-60	Silty clay loam, silty clay, clay	CH	A-7	0- 0- 0	0- 0- 0	100-100-100	98-98-100	—	—	41-53-65	21-31-40
Providence	25	C	0-7	Silt loam	CL, CL-ML, ML	A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	100-100-100	85-93-100	15-23-30	NP-5 -10
			7-25	Silty clay loam, silt loam	CL	A-6, A-7	0- 0- 0	0- 0- 0	100-100-100	100-100-100	95-98-100	85-93-100	30-38-45	11-16-20
			25-46	Silt loam, silty clay loam	CL	A-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	90-95-100	70-80-90	25-33-40	11-16-20
			46-70	Loam, clay loam, sandy clay loam	CL, SC	A-4, A-6	0- 0- 0	0- 0- 0	100-100-100	95-98-100	70-83-95	40-60-80	20-28-35	8-13-18
Wilcox	15	D	0-5	Silty clay loam	CH, CL	A-6, A-7	0- 0- 0	0- 0- 0	100-100-100	100-100-100	95-98-100	80-89-98	30-41-51	15-23-30
			5-50	Clay, silty clay, silty clay loam	CH, MH	A-7	0- 0- 0	0- 0- 0	100-100-100	100-100-100	95-98-100	80-89-98	50-64-78	22-34-46
			50-57	Clay	CH	A-7	0- 0- 0	0- 0- 0	100-100-100	100-100-100	90-95-100	75-87-98	60-70-80	39-47-55
			57-73	Weathered bedrock	—	—	—	—	—	—	—	—	—	—
Unnamed hydric soils (134dr)	2	B/D	0-5	Silt loam	CL, CL-ML, ML	A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	90-95-100	65-80-95	15-20-25	NP-5 -9
			5-60	Silt, silt loam	CL, CL-ML, ML	A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	95-98-100	85-93-100	20-25-30	3-7 -10

Data Source Information

Soil Survey Area: Pontotoc County, Mississippi
Survey Area Data: Version 20, Sep 8, 2025

CONSTRUCTION DRAWINGS FOR

South Pointe

PALESTINE ROAD, PONTOTOC COUNTY, MISSISSIPPI 38863

PROJECT LOCATION:
Lat: N34°12'58.59"
Long: W89°06'19.32"

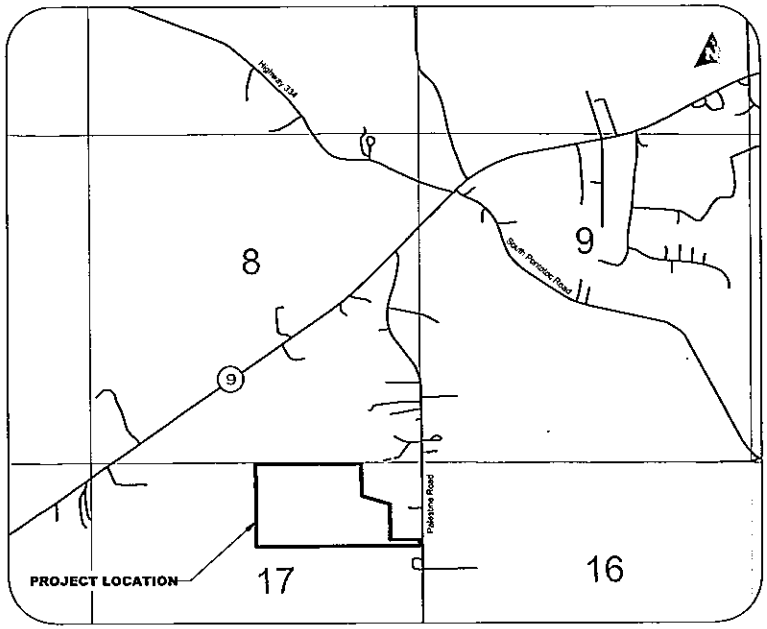
COUNTY OFFICIALS:

CHANCERY CLERK: RICKY FERGUSON

SUPERVISORS: BENNY MOORMAN
MICHAEL MCGREGOR
GARY WASHINGTON
ERNIE WRIGHT
RANDY RAY

CIVIL ENGINEER:

CivilSurv
1015 County Road 578
Blue Mountain, MS 38610
662-538-8234



VICINITY MAP
Not to Scale

811 Know what's below. Call before you dig.

INDEX OF SHEETS

CIVIL PLANS

UTILITY OWNERS:

ELECTRICAL POWER:
PONTOTOC ELECTRIC POWER ASSOCIATION
12 S. MAIN STREET
PONTOTOC, MS 38863

TELEPHONE:
AT&T DISTRIBUTION
TUPELO, MS

SEWER:
N/A

WATER:
ALGOMA WATER ASSN.
90 FRONT STREET
PONTOTOC, MS 38863

GAS:
CITY OF PONTOTOC
116 N. MAIN STREET
PONTOTOC, MS 38863

FIBER:
NORTHEAST FIBER
1389 COOPERATIVE WAY
OXFORD, MS 38655

REVISIONS:

CivilSurv
1015 County Road 578
Blue Mountain, MS 38610
662-538-8234

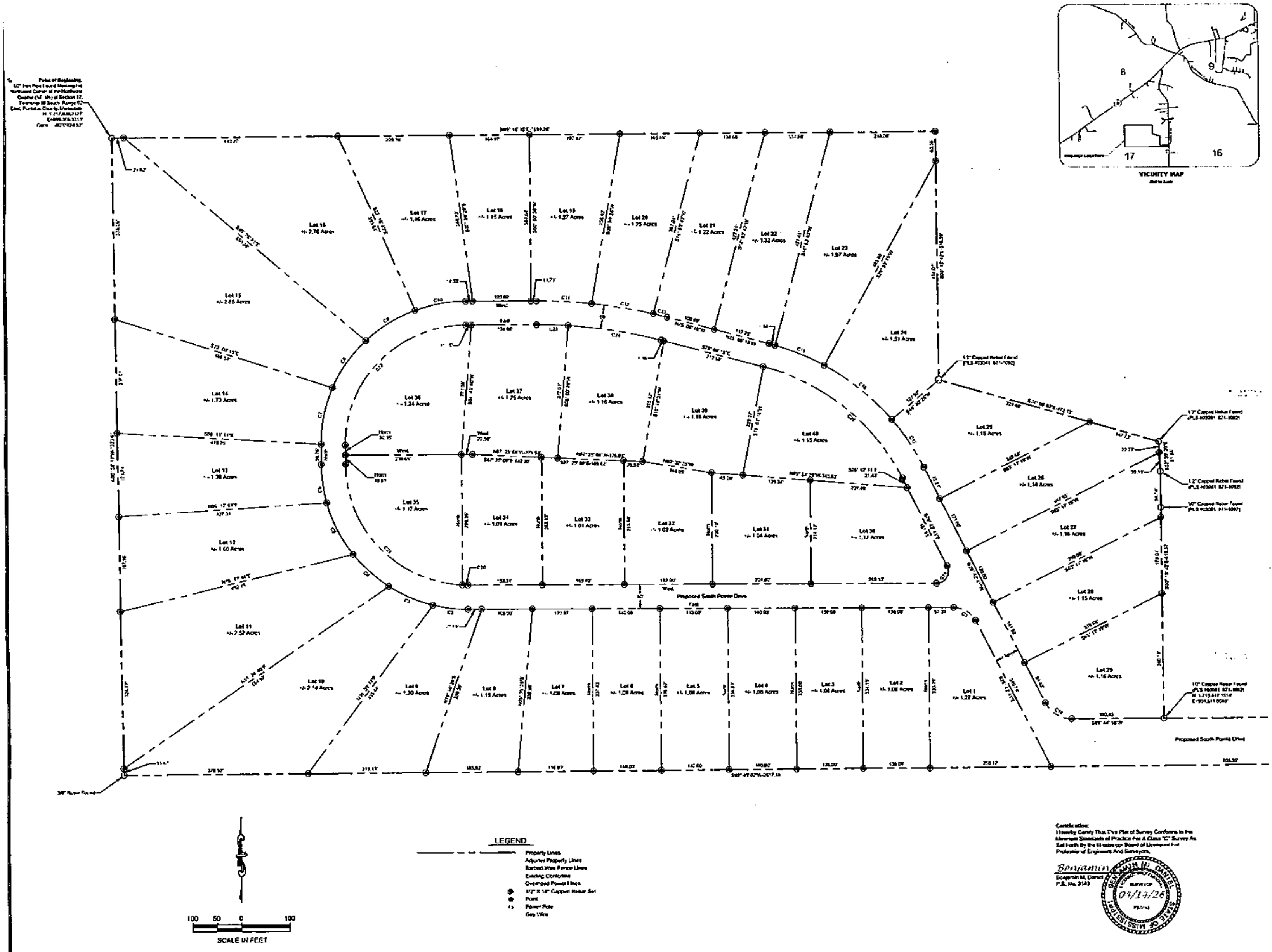
OWNER:
DUSTY WARD CONSTRUCTION, LLC &
COLBURN CONSTRUCTION &
DEVELOPMENT, LLC

SOUTH POINTE
PONTOTOC COUNTY, MS

NORMAN S. NICHOLS
ENGINEER
STATE OF MISSISSIPPI

DATE:
APRIL 2026
DRAWING TITLE
COVER SHEET
SCALE:
AS NOTED
SHEET NO.

T.1



Curve Table				
Curve #	Chord Bearing	Chord Length	Radius	Arc Length
C1	S58°21'20"E	52.46'	50.00	55.23'
C2	S43°02'41"E	72.84'	300.00	72.92'
C3	S56°36'00"E	98.95'	300.00	99.41'
C4	S47°36'50"E	88.86'	300.00	89.41'
C5	S26°35'03"E	128.00'	300.00	129.61'
C6	S7°31'25"E	78.58'	300.00	78.79'
C7	S11°58'13"W	120.08'	300.00	120.81'
C8	S36°47'35"W	120.07'	300.00	120.81'
C9	S56°48'48"W	120.07'	300.00	120.87'
C10	S79°56'04"W	105.98'	300.00	106.44'
C11	N86°53'13"W	114.52'	1050.00	114.58'
C12	N80°11'22"W	179.50'	1050.00	179.58'
C13	N73°51'16"W	29.30'	1050.00	29.31'
C14	N74°22'22"W	17.76'	500.00	17.76'
C15	N67°19'41"W	110.08'	500.00	110.27'
C16	N54°40'10"W	178.55'	500.00	180.57'
C17	N32°31'08"W	118.53'	500.00	118.81'
C18	N46°29'11"W	63.19'	50.00	69.33'
C19	S31°38'48"W	42.57'	25.00	50.32'
C20	N48°41'56"W	11.39'	250.00	11.39'
C21	N43°41'56"W	245.93'	250.00	261.34'
C22	N45°02'00"E	253.55'	250.00	262.78'
C23	S88°06'04"E	65.10'	1000.00	65.11'
C24	S80°47'14"E	194.35'	1000.00	194.66'
C25	S08°54'29"E	369.38	450.00	390.08'

Notes:
1. This Survey Is Classified As A Class "C" Survey.
2. Source Of Information From Deeds Recorded At The Office of The Chancery Clerk of Pontotoc County, Mississippi.
3. Property Bearings Were Based On GPS Observations. State Plane MS East Horizontal Datum NAD 83 Horizontal Scale Factor 0.99994
4. [illegible]
5. Field survey was completed on February 13, 2026
6. This survey was plotted and completed on April 14, 2026.
7. No title search was performed for this survey.
8. All corners are set are 1/2" x 18" capped rebar stamped "PS 3183", unless noted otherwise.
9. All adjoining property lines are shown in their approximate location.
10. The overall boundary of this survey is based on monuments found in the field [illegible] of a survey performed by Advanced Land Solutions, LLC for Ward & Colburn dated 12-11-2025.

Certification:
I Hereby Certify That This Plat of Survey Conforms to the Mississippi Standards of Practice For A Class "C" Survey As Set Forth By the Mississippi Board of Licensure For Professional Engineers And Surveyors.

Benjamin M. Daniel
P.S. No. 3183

BENJAMIN M. DANIEL
STATE OF MISSISSIPPI
04/14/26

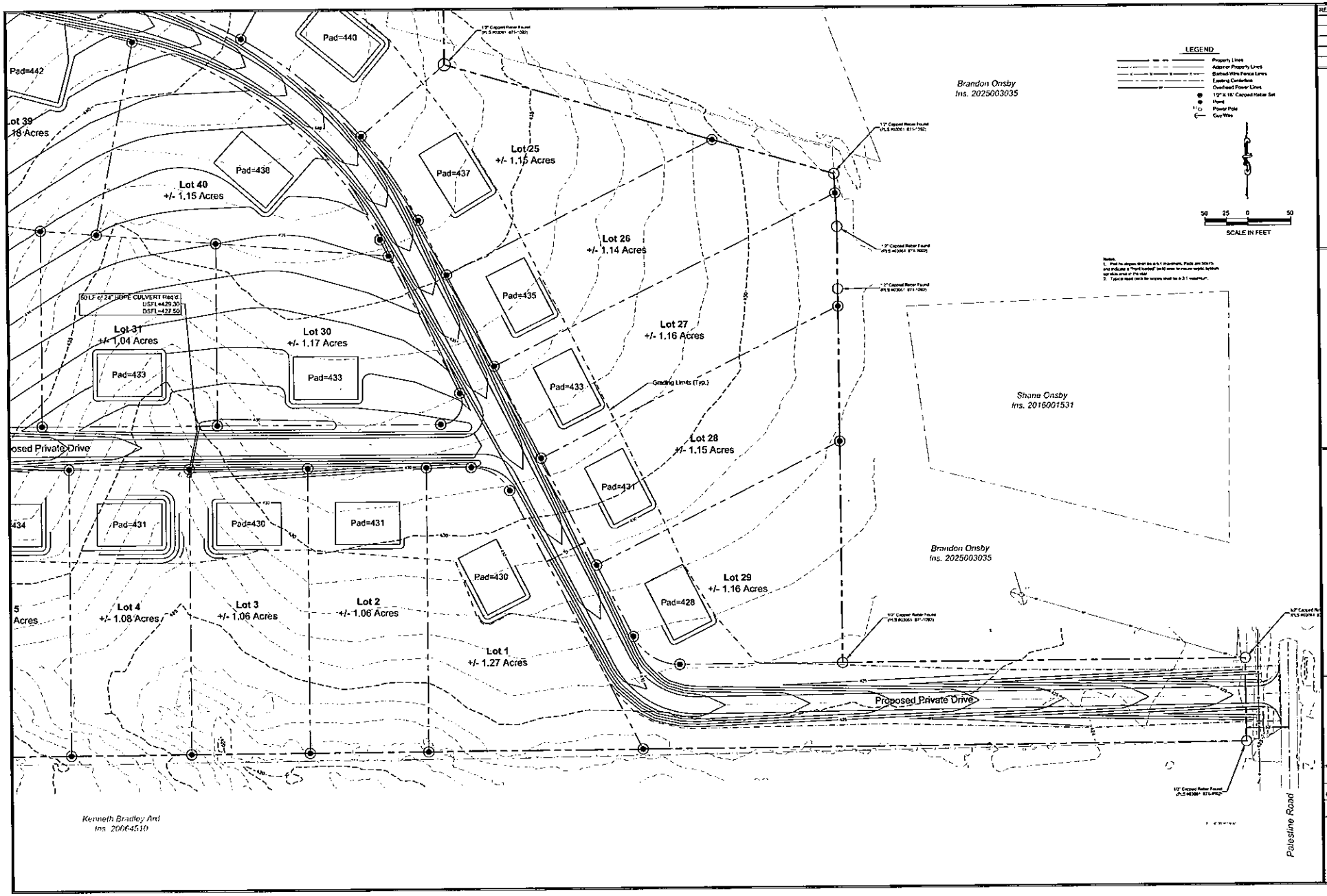
REVISIONS

CivilSurv
1015 County Road 578
Blue Mountain, MS 38610
662-538-8234

OWNER:
DUSTY WARD CONSTRUCTION, LLC &
COLBURN CONSTRUCTION &
DEVELOPMENT, LLC

SOUTH POINTE
PONTOTOC COUNTY, MS

DATE: APRIL 2026
DRAWING TITLE: SUBDIVISION PLAT
SCALE: AS NOTED
SHEET NO.
C1.0



REVISIONS:

CivilSurv
1015 County Road 578
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662-538-8234

OWNER:
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COLBURN CONSTRUCTION &
DEVELOPMENT, LLC

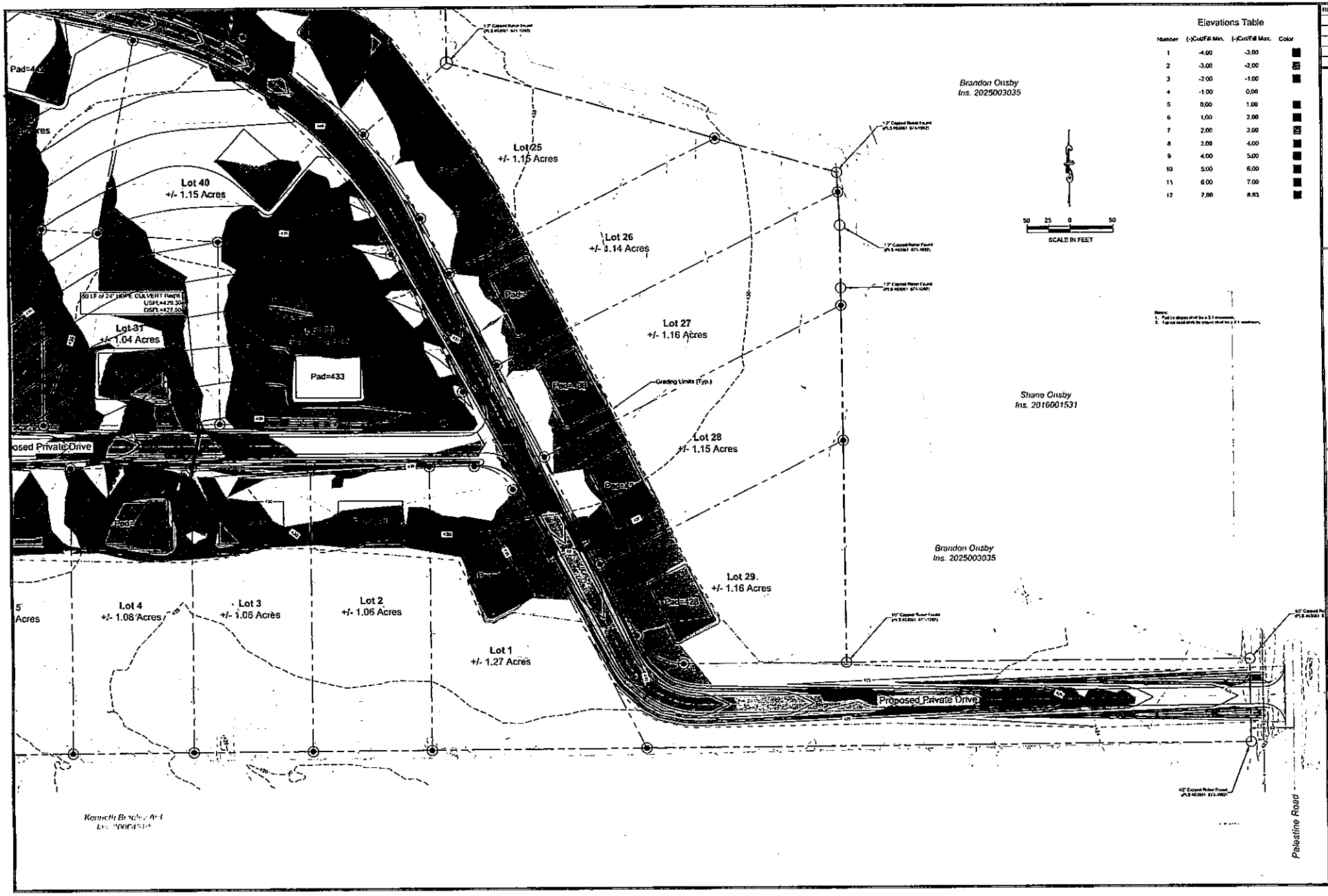
SOUTH POINTE
PONTOTOC COUNTY, MS

DATE
APRIL 2026

DRAWING TITLE
GRADING & DRAINAGE PLAN

SCALE
AS NOTED

SHEET NO
C2.0



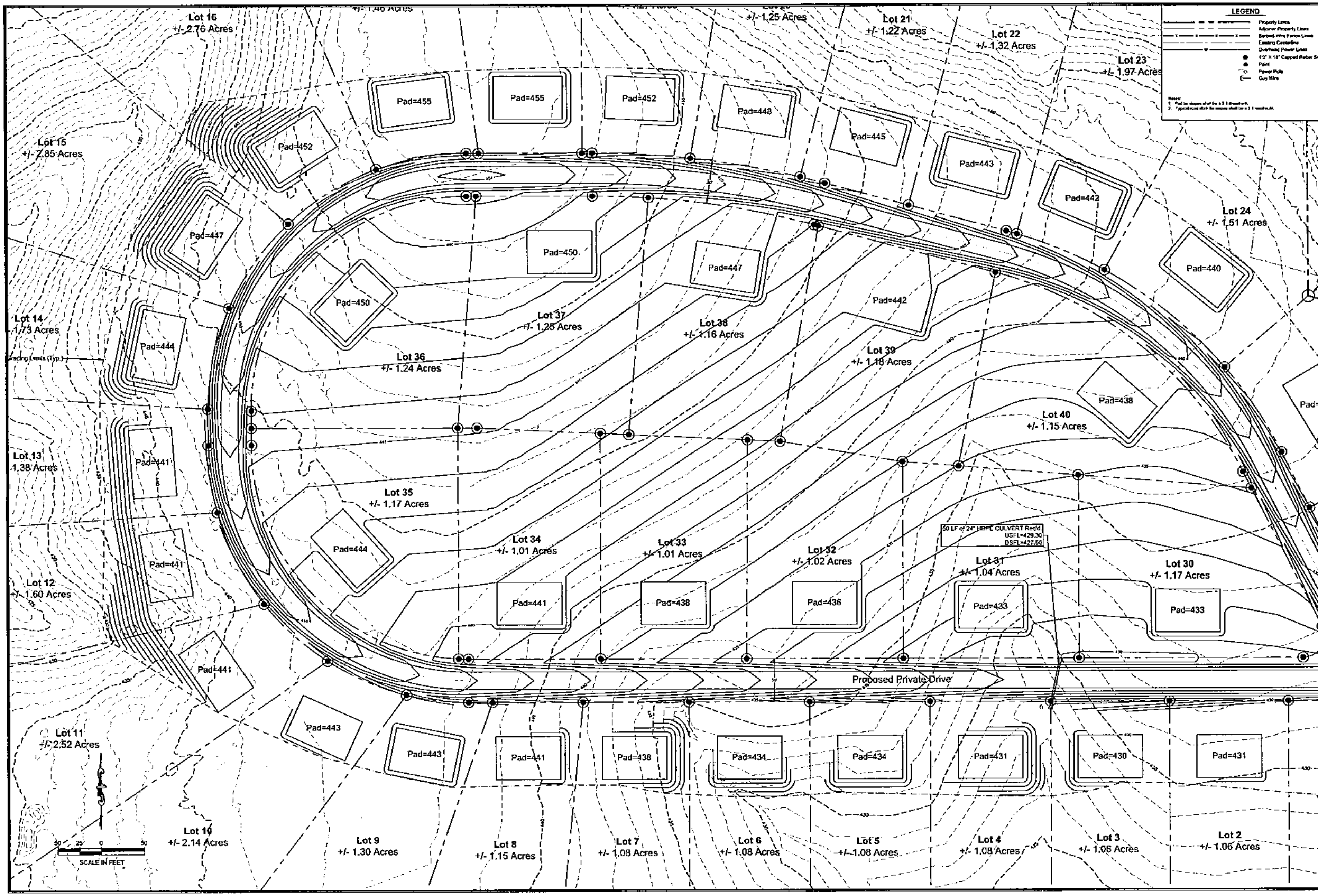
REVISIONS:

CivilSurv
1015 County Road 378
Blue Mountain, MS 38610
662-538-8234

OWNER:
DUSTY WARD CONSTRUCTION, LLC &
COLBURN CONSTRUCTION &
DEVELOPMENT, LLC

SOUTH POINTE
PONTOTOC COUNTY, MS

DATE
APRIL 2026
DRAWING TITLE
CUT/FILL MAP
SCALE
AS NOTED
SHEET NO
C2.1



REVISIONS:

CivilSurv
1015 County Road 578
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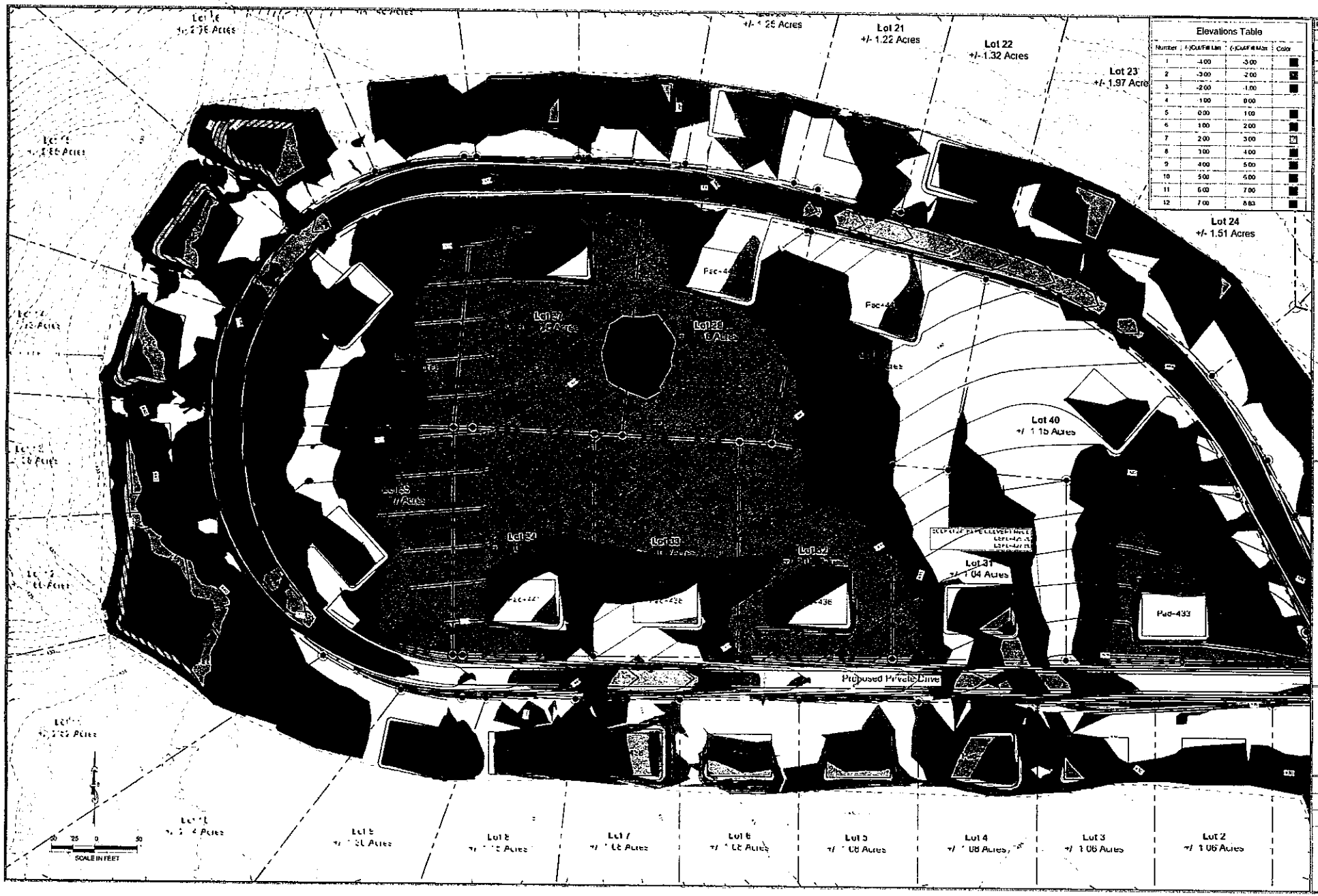
662-538-8234

OWNER:
DUSTY WARD CONSTRUCTION, LLC &
COLBURN CONSTRUCTION &
DEVELOPMENT, LLC

SOUTH POINTE
PONTOTOC COUNTY, MS

APRIL 2025
GRADING & DRAINAGE PLAN
AS NOTED

C2.2



REVISIONS

CivilSurv
1015 County Road 578
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662-538-8234

OWNER:
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COLBURN CONSTRUCTION &
DEVELOPMENT, LLC

SOUTH POINTE
PONTOTOC COUNTY, MS

APRIL 2026

CUT/FILL MAP

AS NOTED

C2.3