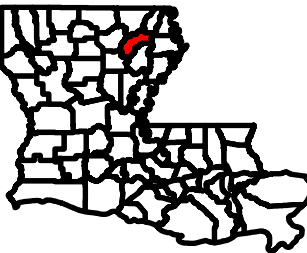


# Map Three - Recognized Cultural Concerns & Known Pipelines

Site Exhibit for  
Rayville Sites  
Richland Parish, LA



### Legend

- Rayville #1 Site Boundary (±295 ac.)
- Rayville #2 Site Boundary (±33 ac.)
- Existing Phase I CRS
- Sites
- Cemetery
- Streams

### National Pipeline Mapping System

  NATURAL GAS

### Major Road

- Interstate
- US Highway
- State Highway
- Railroad

Date: 5/13/2024  
Project Number: 213151  
Drawn By: BMS  
Checked By: EEB

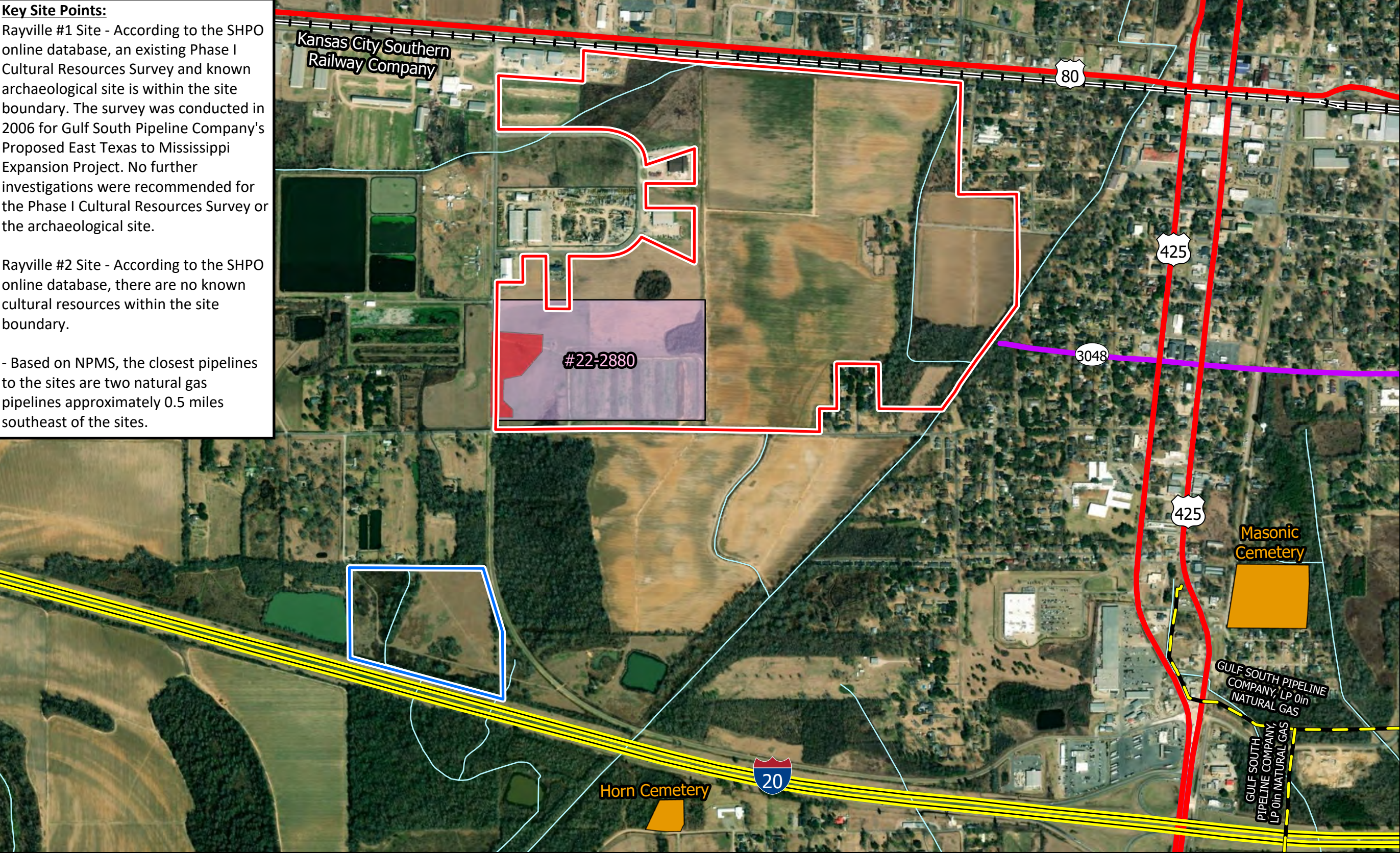


### Key Site Points:

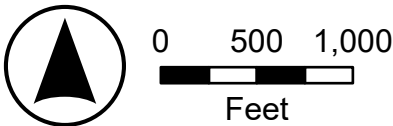
Rayville #1 Site - According to the SHPO online database, an existing Phase I Cultural Resources Survey and known archaeological site is within the site boundary. The survey was conducted in 2006 for Gulf South Pipeline Company's Proposed East Texas to Mississippi Expansion Project. No further investigations were recommended for the Phase I Cultural Resources Survey or the archaeological site.

Rayville #2 Site - According to the SHPO online database, there are no known cultural resources within the site boundary.

- Based on NPMS, the closest pipelines to the sites are two natural gas pipelines approximately 0.5 miles southeast of the sites.



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2. No attempt has been made by CSRS, Inc. to verify site boundary, title, actual legal ownership, deed restrictions, servitudes, easements, or other burdens on the property, other than that furnished by the client or his representative.  
3. Transportation data from 2023 TIGER datasets via U.S. Census Bureau at <https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html>.  
4. Aerial imagery is compiled from multiple different sources to create one cohesive image and may not reflect current ground conditions.  
5. Cultural Resources data was derived from the SHPO website: <https://laocd.maps.arcgis.com/apps/webappviewer/index.html?id=183ddb3c0d29405c9749e2f3214e4451>.  
6. Pipeline data was derived from the NPMS website: <https://pvnpm.phmsa.dot.gov/PublicViewer/>.



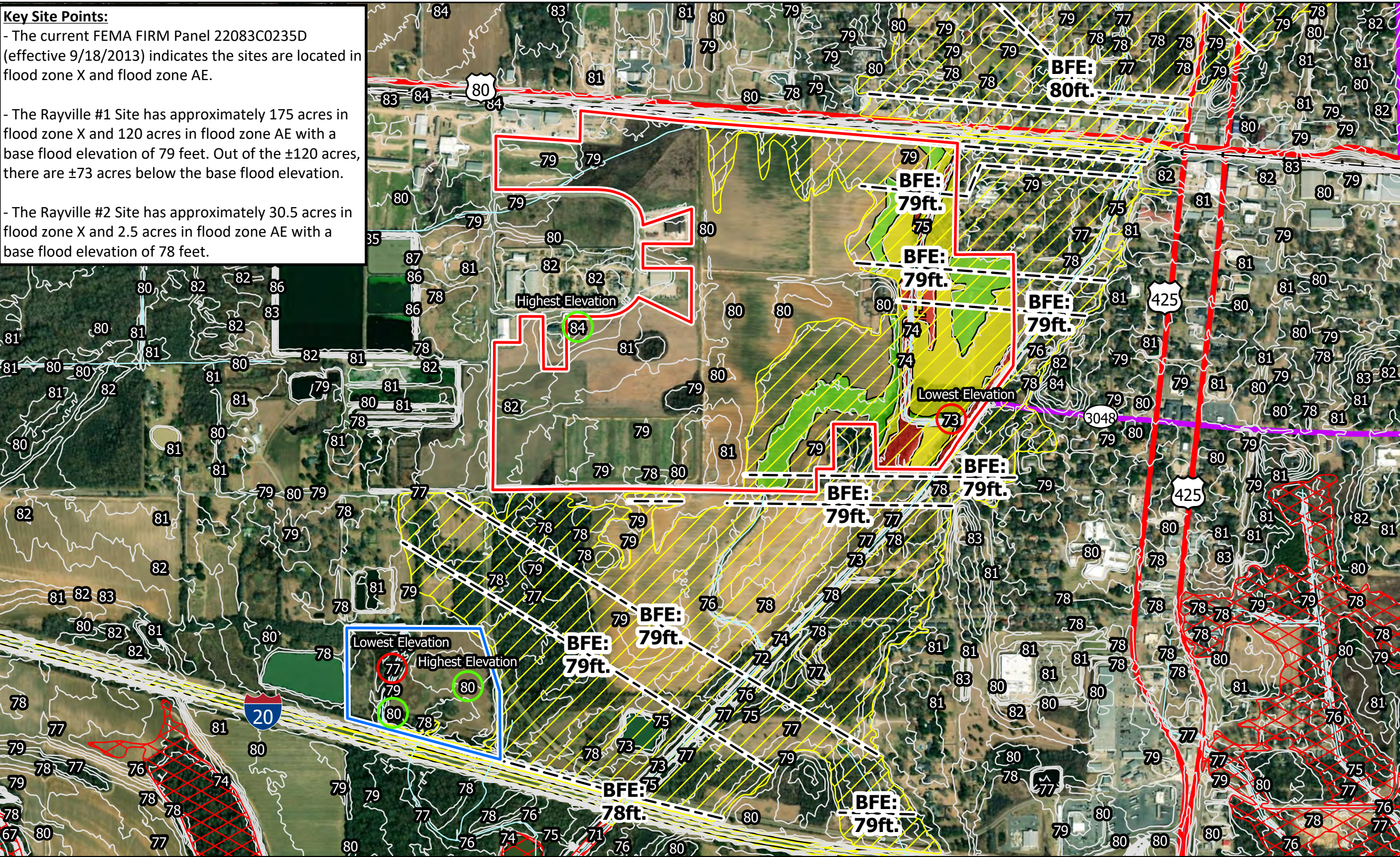


# Map Four - Flood Zone & Contour Exhibit

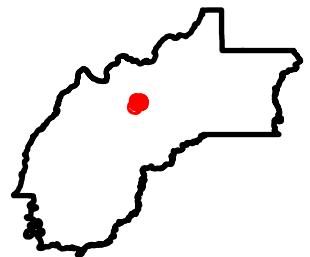
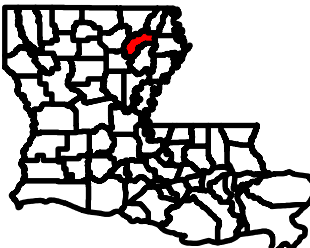
Site Exhibit for  
Rayville Sites  
Richland Parish, LA

**Key Site Points:**

- The current FEMA FIRM Panel 22083C0235D (effective 9/18/2013) indicates the sites are located in flood zone X and flood zone AE.
- The Rayville #1 Site has approximately 175 acres in flood zone X and 120 acres in flood zone AE with a base flood elevation of 79 feet. Out of the ±120 acres, there are ±73 acres below the base flood elevation.
- The Rayville #2 Site has approximately 30.5 acres in flood zone X and 2.5 acres in flood zone AE with a base flood elevation of 78 feet.



**LED** LOUISIANA  
ECONOMIC  
DEVELOPMENT



## Legend

- Rayville #1 Site Boundary (±295 ac.)
- Rayville #2 Site Boundary (±33 ac.)
- Streams

## Flood Zone

- A (100-year without Base Flood Elevation)
- AE (100-year with Base Flood Elevation)
- X (area outside of 100-year)
- 1ft. Below BFE (±28 ac.)
- 2ft. Below BFE (±32 ac.)
- +3ft. Below BFE (±13 ac.)
- Base Flood Elevation
- Ground Elevation Contours

## Major Road

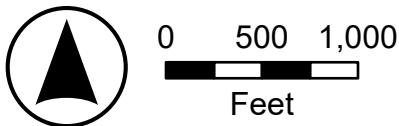
- Interstate
- US Highway
- State Highway
- Railroad

Date: 5/13/2024  
Project Number: 213151  
Drawn By: BMS  
Checked By: EEB

**CSRS**

**General Notes:**

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3. Transportation data from 2023 TIGER datasets via U.S. Census Bureau at <https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html>.
4. Aerial imagery is compiled from multiple different sources to create one cohesive image and may not reflect current ground conditions.
5. Flood zone data was derived from the FEMA Flood Hazard Layer website: <https://www.fema.gov/flood-maps/national-flood-hazard-layer>.

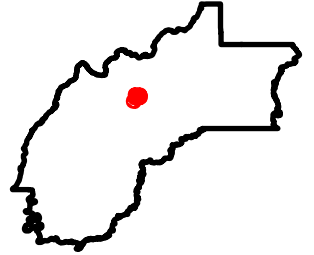
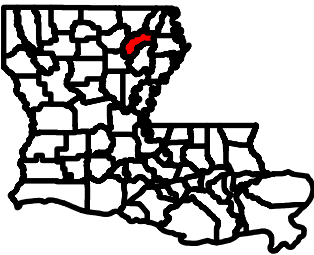




# Map Five - Desktop Wetland Analysis

Site Exhibit for  
Rayville Sites  
Richland Parish, LA

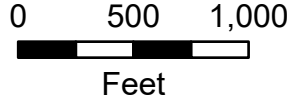
**Key Site Points:**  
Rayville #1 Site - Based on the Desktop Wetland Analysis, ±160 acres of potential prior converted croplands, ±18 acres of high potential wetlands, ±19.5 acres of low potential, and ±4 acres of potential waters of the US may exist on the site.  
  
Rayville #2 Site - Based on the Desktop Wetland Analysis, ±3.5 acres of high potential wetlands, ±4.5 acres of low potential wetlands, and ± 1 acre of potential waters of the US may exist on the site.



### Legend

- Rayville #1 Site Boundary (±295 ac.)
- Rayville #2 Site Boundary (±33 ac.)
- High Potential Wetlands
- Low Potential Wetlands
- Potential PCC
- Potential Waters of the US
- Soil Type**
  - Dd - Dexter silt loam, 0 to 1 percent slopes
  - De - Dexter silt loam, 1 to 3 percent slopes
  - Eg - Egypt silt loam, 1 to 3 percent slopes
  - Ge - Gigger silt loam
  - Gg - Gigger-Gilbert silt loams
  - Gk - Gilbert silt loam
  - Gm - Gilbert-Egypt silt loams
  - Hb - Hebert silt loam
  - Ld - Liddleville fine sandy loam
  - Ng - Necessity-Gilbert silt loams
  - Pc - Perry silty clay loam (85% hydric)
  - Pd - Perry clay (90% hydric)
  - Po - Portland silty clay loam
  - Pr - Portland clay
  - Rb - Rilla silt loam
  - Rh - Rilla-Hebert silt loams complex
  - Sr - Sterlington silt loam
  - St - Sterlington-Hebert silt loams
  - W - Water
- Major Road**
  - Interstate
  - US Highway
  - State Highway
  - Railroad

**General Notes:**  
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2. No attempt has been made by CSRS, Inc. to verify site boundary, title, actual legal ownership, deed restrictions, servitudes, easements, or other burdens on the property, other than that furnished by the client or his representative.  
3. Transportation data from 2023 TIGER datasets via U.S. Census Bureau at <https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html>.  
4. Aerial imagery is compiled from multiple different sources to create one cohesive image and may not reflect current ground conditions.  
5. Soils data was derived from the NRCS Web Soil Survey website: <https://websoilsurvey.nrcs.usda.gov/app/>.



Date: 5/15/2024  
Project Number: 213151  
Drawn By: BMS  
Checked By: EEB



# Map Six - Desktop Environmental Analysis

Site Exhibit for  
Rayville Sites  
Richland Parish, LA

**Key Site Points:**

- Based on the EDR Sites 4 & 5, railroad, and dry/plugged no product specified oil/gas well, there may be Recognized Environmental Concerns associated with the Rayville #1 Site.
- It is unlikely there are Recognized Environmental Concerns associated with the Rayville #2 Site.
- An official Phase I Environmental Site Assessment will be required to determine if there are any Recognized Environmental Concerns associated with both sites.

**This analysis does not constitute a Phase I Environmental Site Assessment (ESA) prepared using American Standards for Testing and Materials (ASTM) Standard E1527-21 for Phase I Environmental Site Assessments. This map is strictly for informational purposes only and does not qualify for Limited Liability Protection to CERCLA liability.**

**NOTES:**

- A review of the report provided by EDR listed five sites within the MSD.

1. Nutrien Ag Solutions LLC (184603) is located 100 feet north of the Rayville #1 Site. It is listed in the RCRA-VSQG, FINDS, and ECHO databases. The facility is a historical generator of D001, D002, U140, P039, P050, P071, and P127. There are no incidents or violations noted in the EDR report and EDMS.

2. Town of Rayville – Gin Road Debris Site (228359) is adjacent to the Rayville #1 Site. It is listed in the DEBRIS database. The property was used as a vegetative debris site for Hurricanes Laura, Delta, and Ida from 2021 to 2023. There are no incidents or violations noted in the EDR report and EDMS.

3. Pinnacle Agriculture Distribution Inc - PAD-Sanders Rayville (169098) is adjacent to the Rayville #1 Site. It is listed in the RCRA-SQG, FINDS, and ECHO. The facility is a historical generator of D012, D030, and D032. There are no incidents or violations noted in the EDR report or EDMS.

4. Simplot Grower Solutions (9617 & 210228) is 250 feet north of the site. It is listed in the SHWS, LUST, AUL, NPDES, REM, and UST. There were three USTs installed on the property in 1986 and removed in 2006. Soil and groundwater sampling completed after the removal of the USTs revealed constituents of concern exceeding LDEQ standards. From 2015 to 2016, a dual phase vacuum extraction (DPVE) system was installed on the property to remediate the soil and groundwater. From 2015 to 2019, a total of 2,220 kg of ozone was injected into various sections of the property to help with the remediation. In 2020, a no further action at this time (NFA-ATT) and conveyance notice was issued for the property. There are still elevated levels of benzene and TPH-G in the soil. If the land use of the property changes from industrial to non-industrial, further remediation will have to take place.

5. S Mart #1 (75424) is 200 feet north of the site. The property was not listed on the EDR Report, but there are multiple active monitoring wells around the property. Active monitoring wells surrounding a property can be indicative of ongoing remediation. According to LDEQ EDMS, three USTs were registered on the property in 1985. In 2019, an approximately 7,000-gallon leak was discovered during routine maintenance. From 2020 to 2021, a mobile dual-phase vacuum extraction system was installed on the property to remediate the soil and groundwater. Remediation and monitoring is ongoing on the property.

- A review of the EDR Radius Map and SONRIS Interactive Maps indicated two irrigation water wells and one dry/plugged no product specified oil/gas well within the Rayville #1 Site. There are no oil/gas wells or water wells within the Rayville #2 Site. There are thirty dry/plugged no product specified oil/gas wells, twenty-four active monitoring wells, thirteen plugged/abandoned monitoring wells, three irrigation water wells, two domestic water wells, and one industrial water well within 500 feet of the Rayville #1 Site. There is one domestic water well and one irrigation water well within 500 feet of the Rayville #2 Site.

- Based on documentation from the Louisiana Department of Conservation, the oil/gas well inside the Rayville #1 Site was plugged/abandoned in 1981. The well is considered dry meaning they never produced any product, but reserve pits are commonly associated with wells predating the 1990s. Reserve pits were known to hold the by-products from the well drilling process which can range from brine, chemicals, equipment, etc. Many pits created during this time period were not reported to any regulatory agencies.

- The railroad along the northern boundary of the site has existed before 1955. Some maintenance and service techniques used by railroad companies predating federal environmental regulations could result in a Phase I Environmental Site Assessment identifying the railroad as a Recognized Environmental Concern (REC).

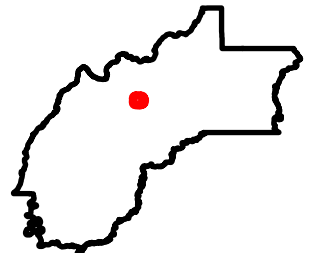
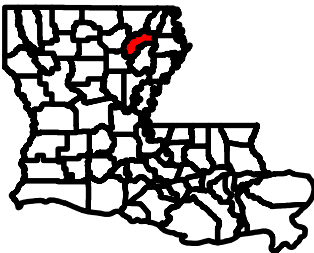
- NPMS indicates no pipelines within 500 feet of both sites.

- Based on this information, Recognized Environmental Conditions may be associated with the Rayville #1 Site. It is unlikely Recognized Environmental Conditions are associated with the Rayville #2 Site. An official Phase I ESA will be required to determine if there are any Recognized Environmental Conditions associated with both sites.

**Reference:**

1. Records pertaining to properties within the ASTM Standard E1527-21 approximate minimum search distance (MSD) were reviewed in order to aid in the identification of known or potential recognized environmental conditions (RECs) on or near the property. The approximate MSD was measured from the subject property boundary with no adjustments. Information generated by the database search conducted by Environmental Data Resources, Inc. (EDR) report dated March 19, 2024.

2. Map generated utilizing available spatial data sets, aerial imagery, and best professional judgement.



## Legend

**Rayville #1 Site Boundary (±295 ac.)**

**Rayville #2 Site Boundary (±33 ac.)**

**500-Foot Buffer**

## SONRIS Wells

**Active Injection Well**

**Plugged & Abandoned Well**

**Water Well**

**Plugged & Abandoned Water Well**

## National Pipeline Mapping System

**NATURAL GAS**

## Major Road

**Interstate**

**US Highway**

**State Highway**

**Railroad**

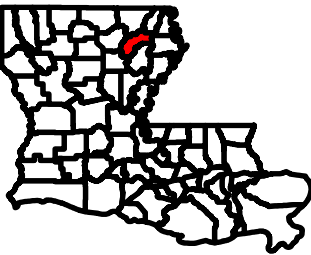


Date: 5/21/2024  
Project Number: 213151  
Drawn By: BMS  
Checked By: EEB



# Map Seven - Developable Area Exhibit

Site Exhibit for  
Rayville #1 Site  
Richland Parish, LA



### Legend

- Rayville #1 Site Boundary (±295 ac.)
- Developable Area (±200 ac.)
- 500-Foot Buffer for Potential RECs (±23 ac.)
- High Potential Wetlands (±9.3 ac.)
- Low Potential Wetlands (±14.7 ac.)
- Potential Waters of the US (±2.3 ac.)

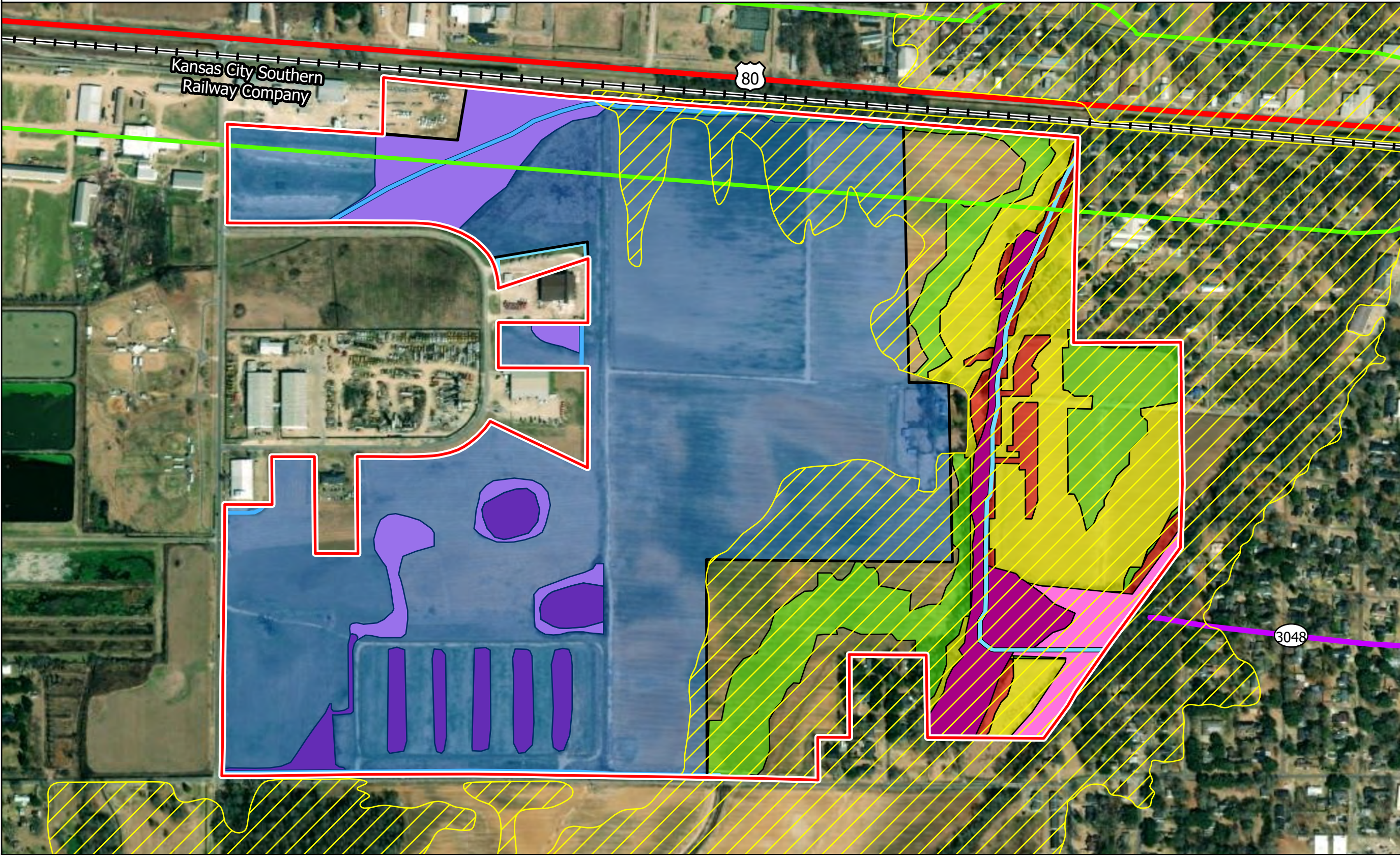
### Flood Zone

- AE (100-year with Base Flood Elevation) (±27.3 ac.)
- X (area outside of 100-year)
- 1ft. Below BFE
- 2ft. Below BFE
- +3ft. Below BFE

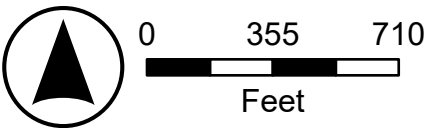
### Major Road

- Interstate
- US Highway
- State Highway
- Railroad

Date: 5/29/2024  
Project Number: 213151  
Drawn By: BMS  
Checked By: EEB



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3. Transportation data from 2023 TIGER datasets via U.S. Census Bureau at <https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html>.  
4. Aerial imagery is compiled from multiple different sources to create one cohesive image and may not reflect current ground conditions.  
5. Flood zone data was derived from the FEMA Flood Hazard Layer website: <https://www.fema.gov/flood-maps/national-flood-hazard-layer>.

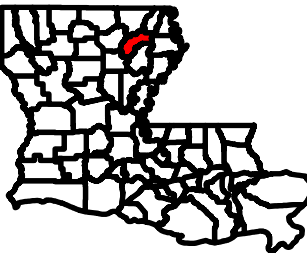


P:\213151\NLEP Region\Engineering Desktop Analysis Mapping\Richland



# Map Eight - Developable Area Exhibit

Site Exhibit for  
Rayville #2 Site  
Richland Parish, LA



### Legend

- Rayville #2 Site Boundary (±33 ac.)
- Developable Area (±23 ac.)
- High Potential Wetlands (±2.2 ac.)
- Low Potential Wetlands (±2.6 ac.)
- Potential Waters of the US
- Flood Zone  
AE (100-year with Base Flood Elevation) (±1.3 ac.)  
X (area outside of 100-year)
- Major Road  
Interstate

Date: 5/29/2024  
Project Number: 213151  
Drawn By: BMS  
Checked By: EEB



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4. Aerial imagery is compiled from multiple different sources to create one cohesive image and may not reflect current ground conditions.  
5. Flood zone data was derived from the FEMA Flood Hazard Layer website: <https://www.fema.gov/flood-maps/national-flood-hazard-layer>.



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