



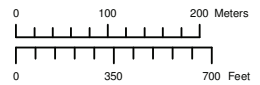
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# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Lane City, TX

- Mile Post**
- Proposed Pipeline Centerline**
- Proposed Pipeline Corridor**
- Archaeological Site**
- Cemetery**
- Historical Marker**

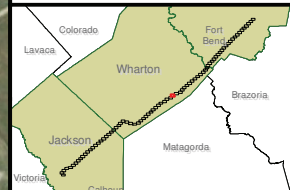
Symbol	Soil Grouping
ABK	Aransas clay, saline, frequently flooded
Ab	Asa silty clay loam
BEC	Bernard-Edna-Cieno-Waller complex
Ch	Chicolete clay
CN	Clemville-Norwood complex
Da	Dacosta sandy clay loam
GBP	Ganado-Brazoria-Pledger clays
InB	Inez fine sandy loam
Ka	Katy fine sandy loam
La	Laewest clay, 3-8% slope
LCL	Lake Charles-Laewest clays
Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
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**Wharton County**  
**Texas**





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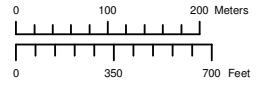
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Lane City, TX



- Mile Post
- Proposed Pipeline Centerline
- Proposed Pipeline Corridor
- Archaeological Site
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- Historical Marker

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Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
1:6,000



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Wharton County  
Texas



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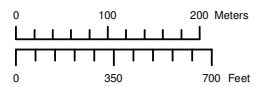
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Lane City, TX



- Mile Post
- Proposed Pipeline Centerline
- Proposed Pipeline Corridor
- Archaeological Site
- Cemetery
- Historical Marker

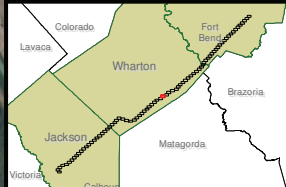
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Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
1:6,000



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Wharton County  
Texas



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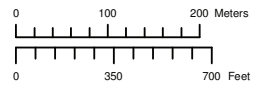
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
Lane City, TX  
Lane City SE, TX



- Mile Post**
- Proposed Pipeline Centerline**
- Proposed Pipeline Corridor**
- Archaeological Site**
- Cemetery**
- Historical Marker**

Symbol	Soil Grouping
ABK	Aransas clay, saline, frequently flooded
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Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
1:6,000



Sheet 39 of 78



**Wharton County**  
**Texas**



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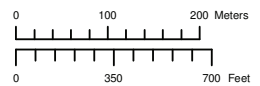
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Lane City SE, TX



- Mile Post
- Proposed Pipeline Centerline
- Proposed Pipeline Corridor
- Archaeological Site
- Cemetery
- Historical Marker

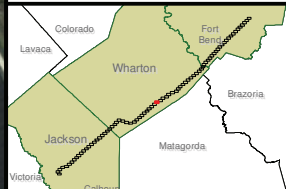
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Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
1:6,000



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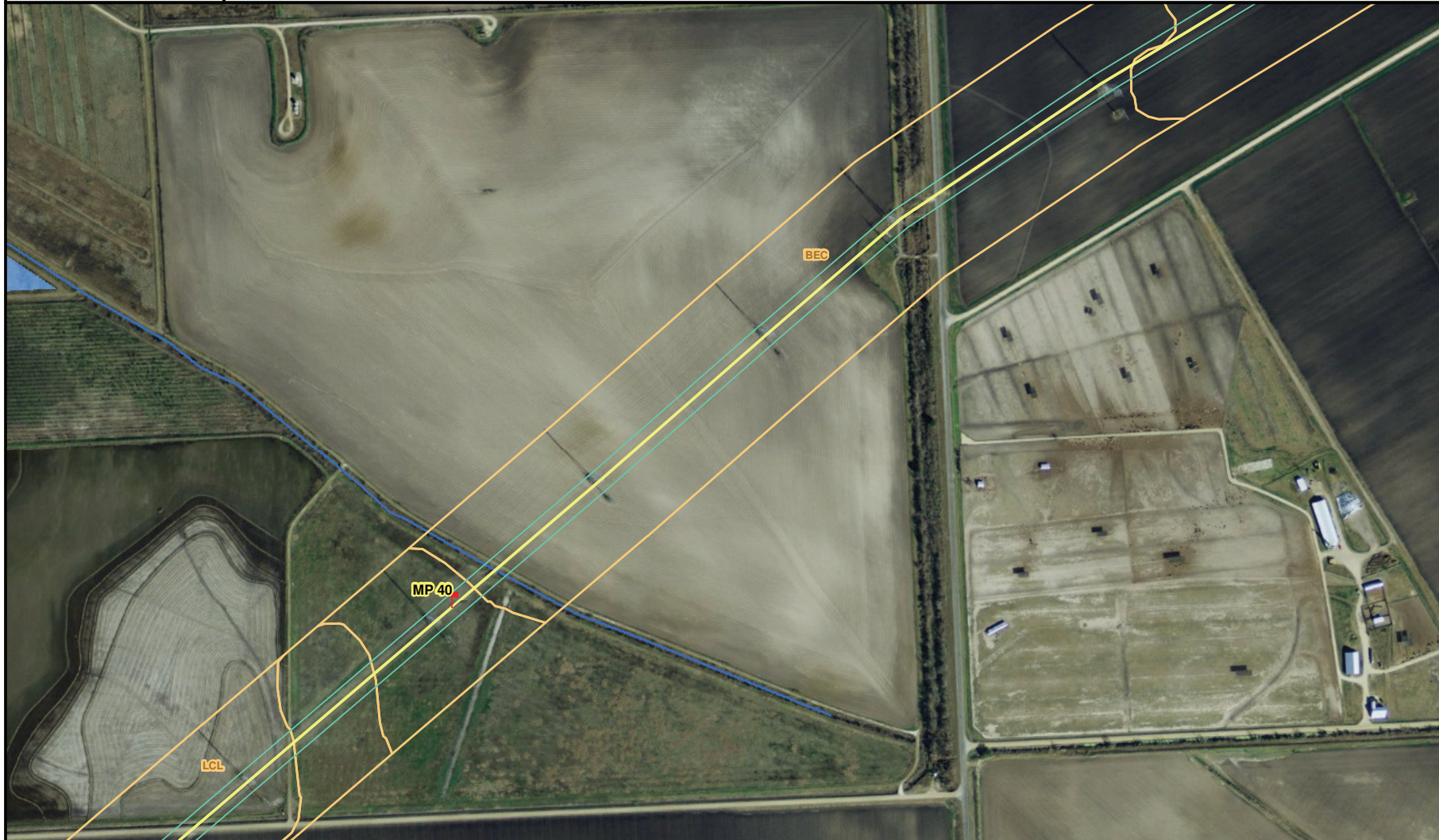
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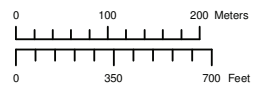
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
Danevang, TX  
Lane City SE, TX



- Mile Post
- Proposed Pipeline Centerline
- Proposed Pipeline Corridor
- Archaeological Site
- Cemetery
- Historical Marker

Symbol	Soil Grouping
ABK	Aransas clay, saline, frequently flooded
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OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
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Wharton County  
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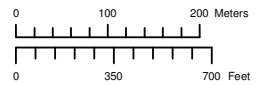
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Danevang, TX



- Mile Post
- Proposed Pipeline Centerline
- Proposed Pipeline Corridor
- Archaeological Site
- Cemetery
- Historical Marker

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Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
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Wharton County  
Texas



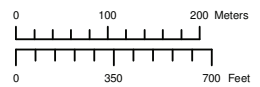
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225-902-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Danevang, TX

-  Mile Post
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor
-  Archaeological Site
-  Cemetery
-  Historical Marker

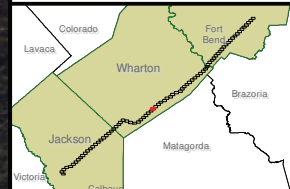
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LCL	Lake Charles-Laewest clays
Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
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Wharton County  
Texas







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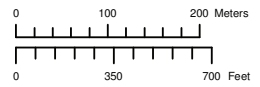
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Danevang, TX



- Mile Post**
- Proposed Pipeline Centerline**
- Proposed Pipeline Corridor**
- Archaeological Site**
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Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
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**Wharton County**  
**Texas**



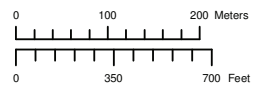
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Baton Rouge, LA 70806  
225.902.5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Danevang, TX

-  Mile Post
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor
-  Archaeological Site
-  Cemetery
-  Historical Marker

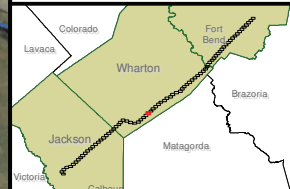
Symbol	Soil Grouping
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Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
1:6,000



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Wharton County  
Texas











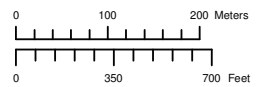
GIS Services and Solutions  
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Baton Rouge, LA 70806  
225.922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Danevang, TX

-  Mile Post
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor
-  Archaeological Site
-  Cemetery
-  Historical Marker

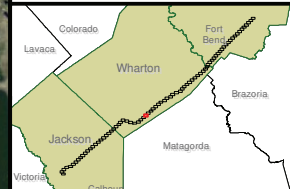
Symbol	Soil Grouping
ABK	Aransas clay, saline, frequently flooded
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LCL	Lake Charles-Laewest clays
Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



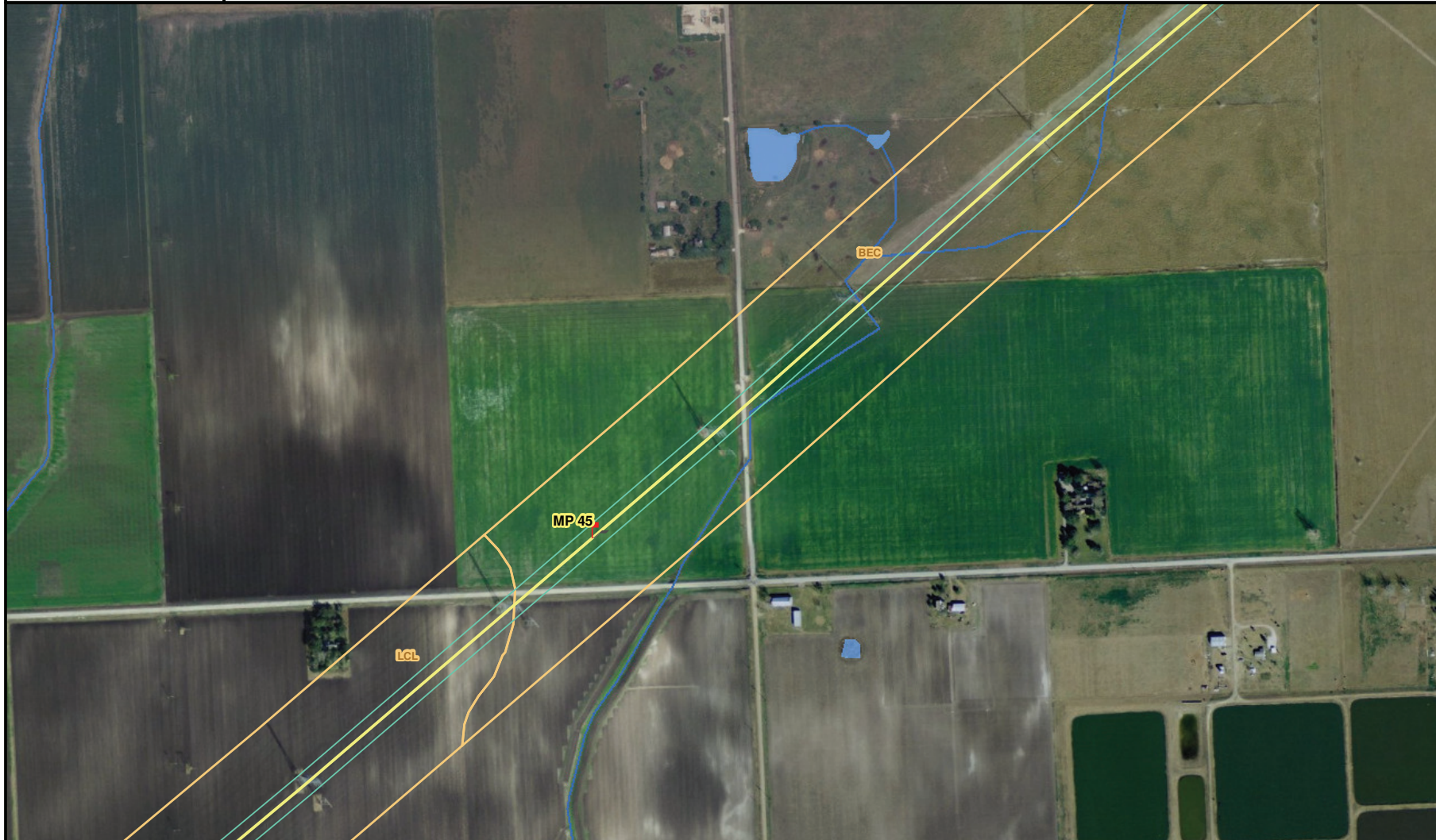
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Wharton County  
Texas











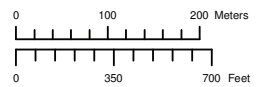
GIS Services and Solutions  
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Baton Rouge, LA 70806  
225-922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Danevang, TX

-  Mile Post
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor
-  Archaeological Site
-  Cemetery
-  Historical Marker

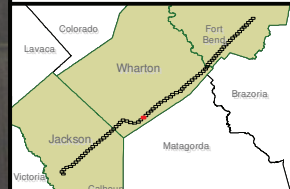
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OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
1:6,000



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Wharton County  
Texas





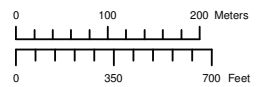
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Baton Rouge, LA 70806  
225.922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Danevang, TX

- Mile Post
- Proposed Pipeline Centerline
- Proposed Pipeline Corridor
- Archaeological Site
- Cemetery
- Historical Marker

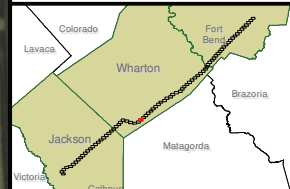
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Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
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Wharton County  
Texas











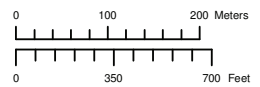
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Baton Rouge, LA 70806  
225-902-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Danevang, TX

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Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
1:6,000



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Wharton County  
Texas





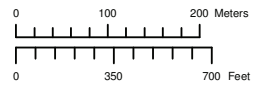
GIS Services and Solutions  
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Baton Rouge, LA 70806  
225-922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
El Campo SE, TX  
Danevang, TX

- Mile Post
- Proposed Pipeline Centerline
- Proposed Pipeline Corridor
- Archaeological Site
- Cemetery
- Historical Marker

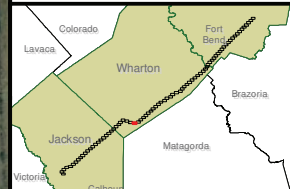
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OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
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Wharton County  
Texas





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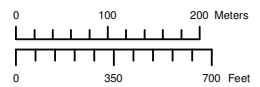
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
El Campo SE, TX



- Mile Post
- Proposed Pipeline Centerline
- Proposed Pipeline Corridor
- Archaeological Site
- Cemetery
- Historical Marker

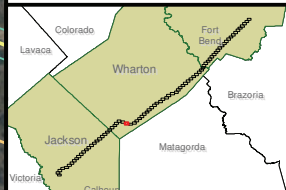
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Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
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Wharton County  
Texas





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# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
El Campo SE, TX



- Mile Post
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- Cemetery
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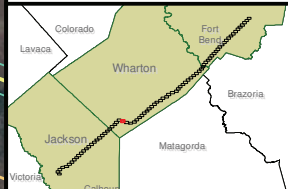
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W	Water



UTMS Nad 83 Zone 14  
1:6,000



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Wharton County  
Texas

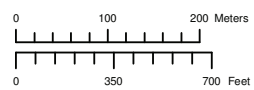
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
 El Campo SE, TX



- Mile Post
- Proposed Pipeline Centerline
- Proposed Pipeline Corridor
- Archaeological Site
- Cemetery
- Historical Marker

Symbol	Soil Grouping
ABK	Aransas clay, saline, frequently flooded
Ab	Asa silty clay loam
BEC	Bernard-Edna-Cieno-Waller complex
Ch	Chicolete clay
CN	Clemville-Norwood complex
Da	Dacosta sandy clay loam
GBP	Ganado-Brazoria-Pledger clays
InB	Inez fine sandy loam
Ka	Katy fine sandy loam
La	Laewest clay, 3-8% slope
LCL	Lake Charles-Laewest clays
Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
 1:6,000

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**Wharton County**  
**Texas**



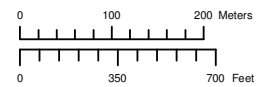
GIS Services and Solutions  
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Baton Rouge, LA 70806  
225-922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
El Campo SE, TX

-  Mile Post
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor
-  Archaeological Site
-  Cemetery
-  Historical Marker

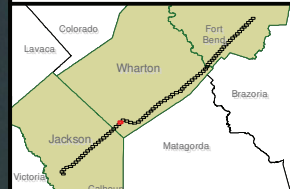
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OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
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Wharton County  
Texas











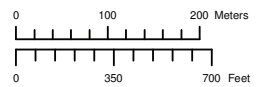
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Baton Rouge, LA 70806  
225.922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
El Campo SE, TX

-  Mile Post
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor
-  Archaeological Site
-  Cemetery
-  Historical Marker

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LCL	Lake Charles-Laewest clays
Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
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Wharton County  
Texas











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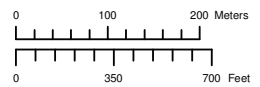
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
El Campo SE, TX



-  Mile Post
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor
-  Archaeological Site
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OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
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Wharton County  
Texas



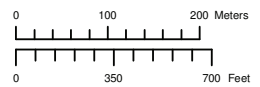
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Baton Rouge, LA 70806  
225-902-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
El Campo SE, TX  
Francitas NE, TX

-  Mile Post
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor
-  Archaeological Site
-  Cemetery
-  Historical Marker

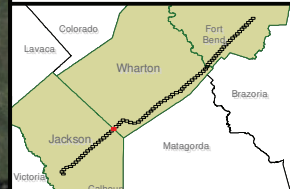
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OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



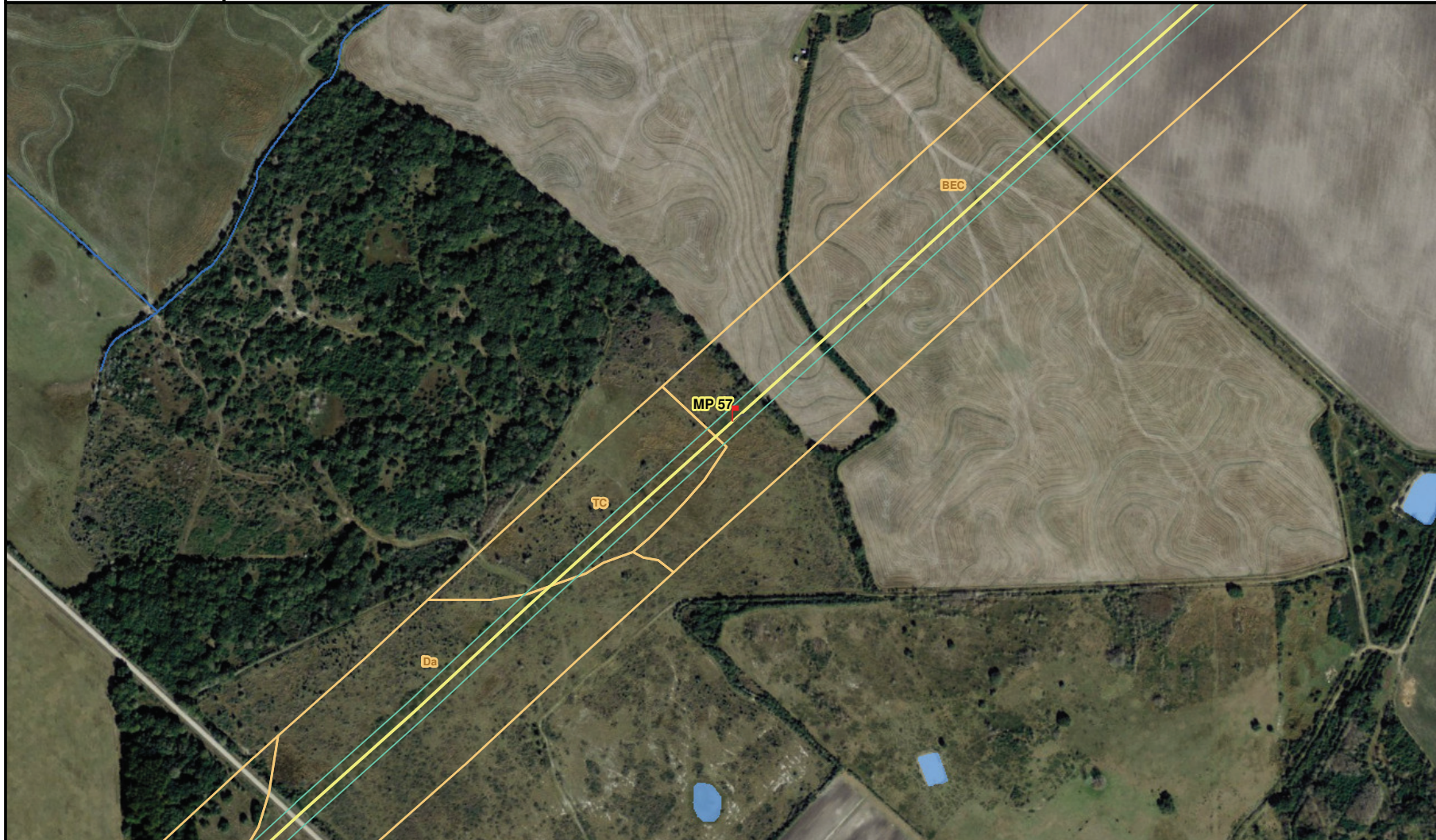
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Jackson & Wharton County  
Texas











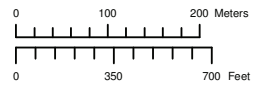
GIS Services and Solutions  
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Baton Rouge, LA 70806  
225-922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads: Louise, TX  
El Campo SE, TX  
Francitas NE, TX

-  Mile Post
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor
-  Archaeological Site
-  Cemetery
-  Historical Marker

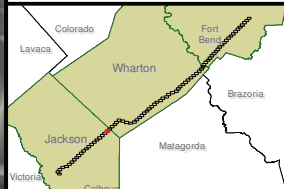
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W	Water



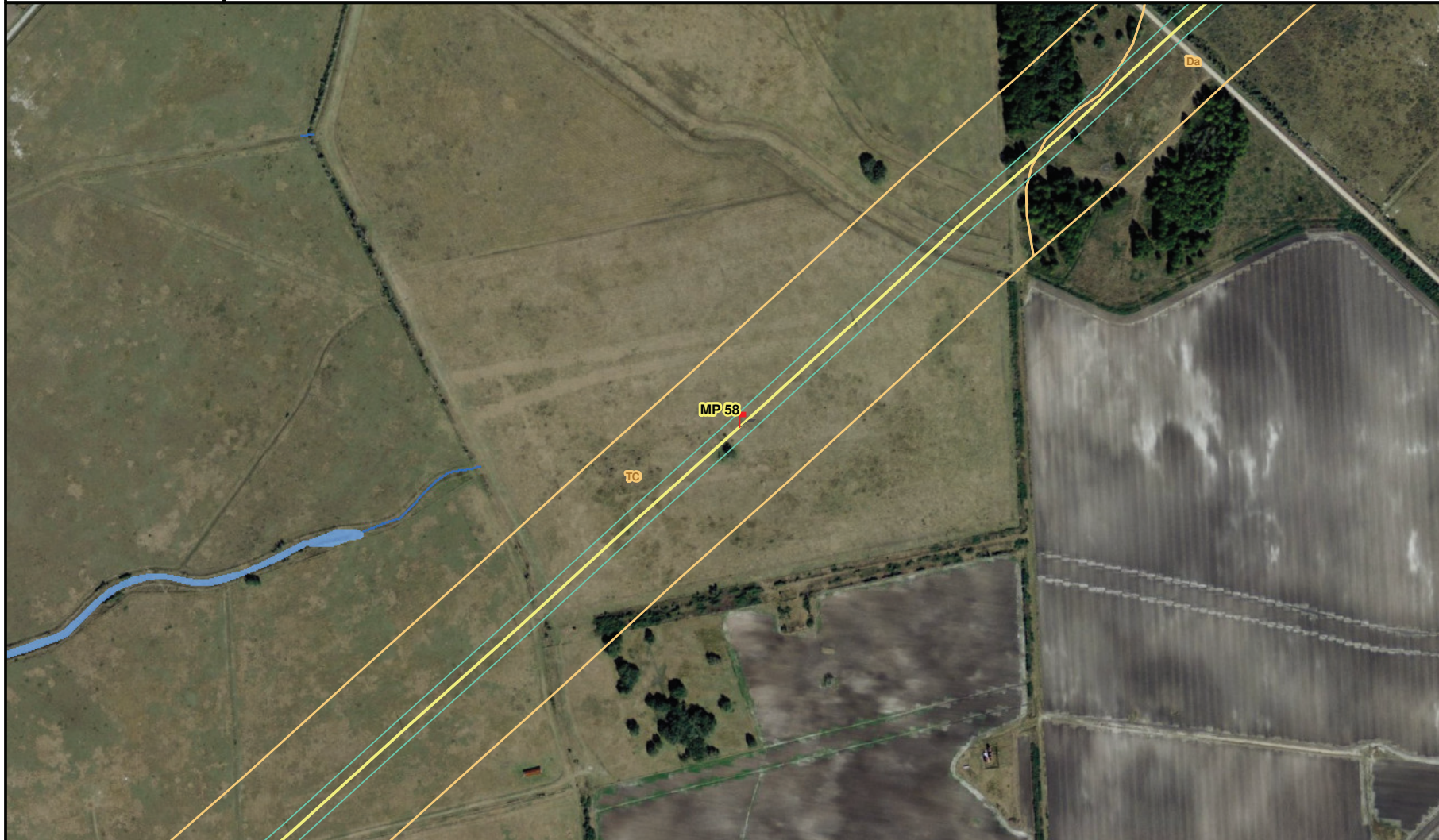
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Texas





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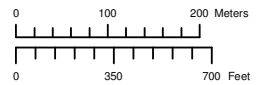
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
Francitas NW, TX  
Francitas NE, TX



- Mile Post
- Proposed Pipeline Centerline
- Proposed Pipeline Corridor
- Archaeological Site
- Cemetery
- Historical Marker

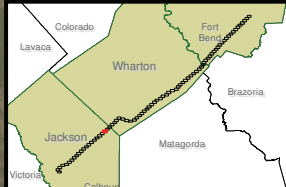
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OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
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Jackson County  
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# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Francitas NW, TX

-  Mile Post
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor
-  Archaeological Site
-  Cemetery
-  Historical Marker

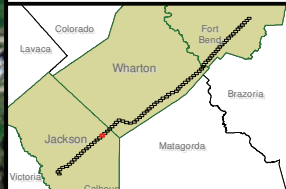
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W	Water



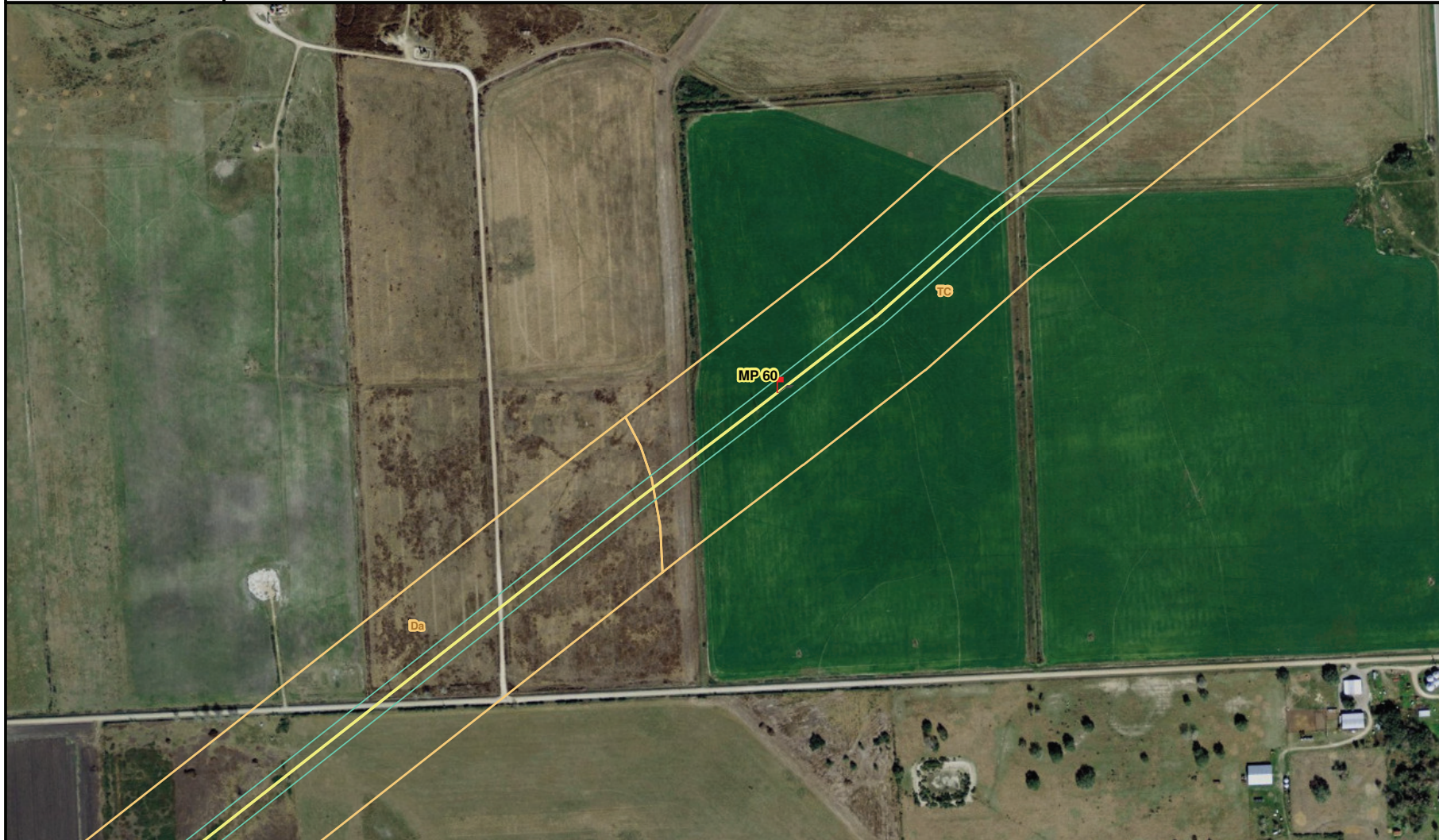
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Jackson County  
Texas





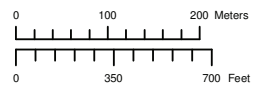
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Baton Rouge, LA 70806  
225-902-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Francitas NW, TX

- Mile Post
- Proposed Pipeline Centerline
- Proposed Pipeline Corridor
- Archaeological Site
- Cemetery
- Historical Marker

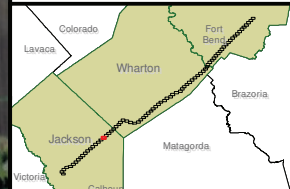
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LCL	Lake Charles-Laewest clays
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W	Water



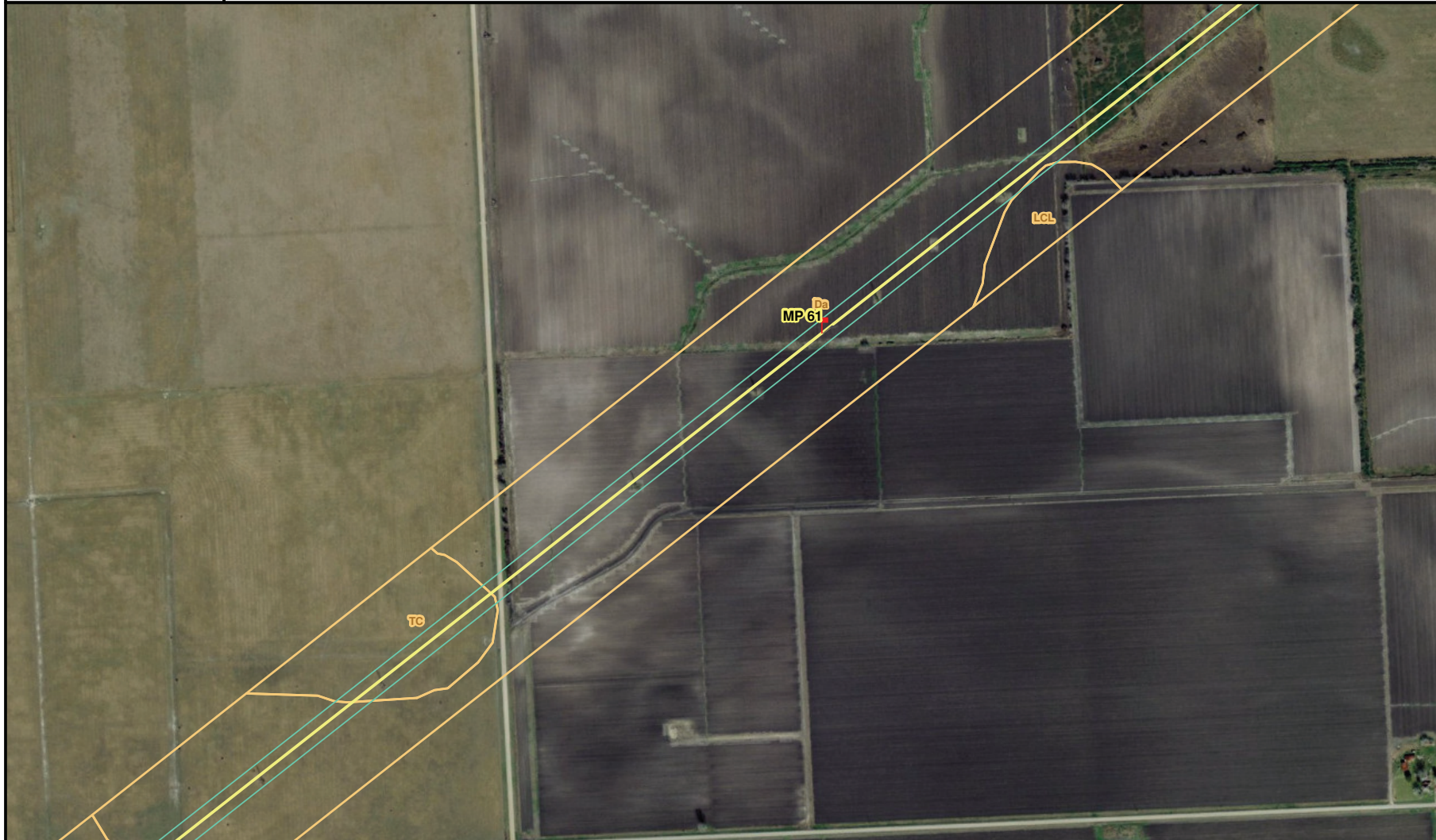
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Jackson County  
Texas











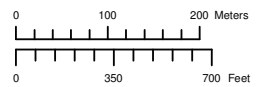
GIS Services and Solutions  
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Baton Rouge, LA 70806  
225-922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Francitas NW, TX

-  Mile Post
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor
-  Archaeological Site
-  Cemetery
-  Historical Marker

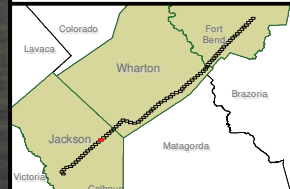
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OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
1:6,000



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Jackson County  
Texas











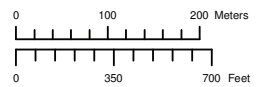
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Baton Rouge, LA 70806  
225-922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Francitas NW, TX

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-  Archaeological Site
-  Cemetery
-  Historical Marker

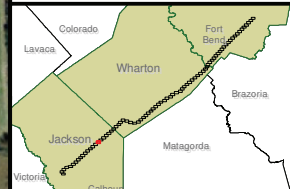
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OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
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Jackson County  
Texas





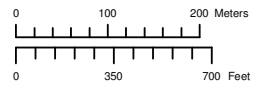
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Baton Rouge, LA 70806  
225.922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Francitas NW, TX

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W	Water



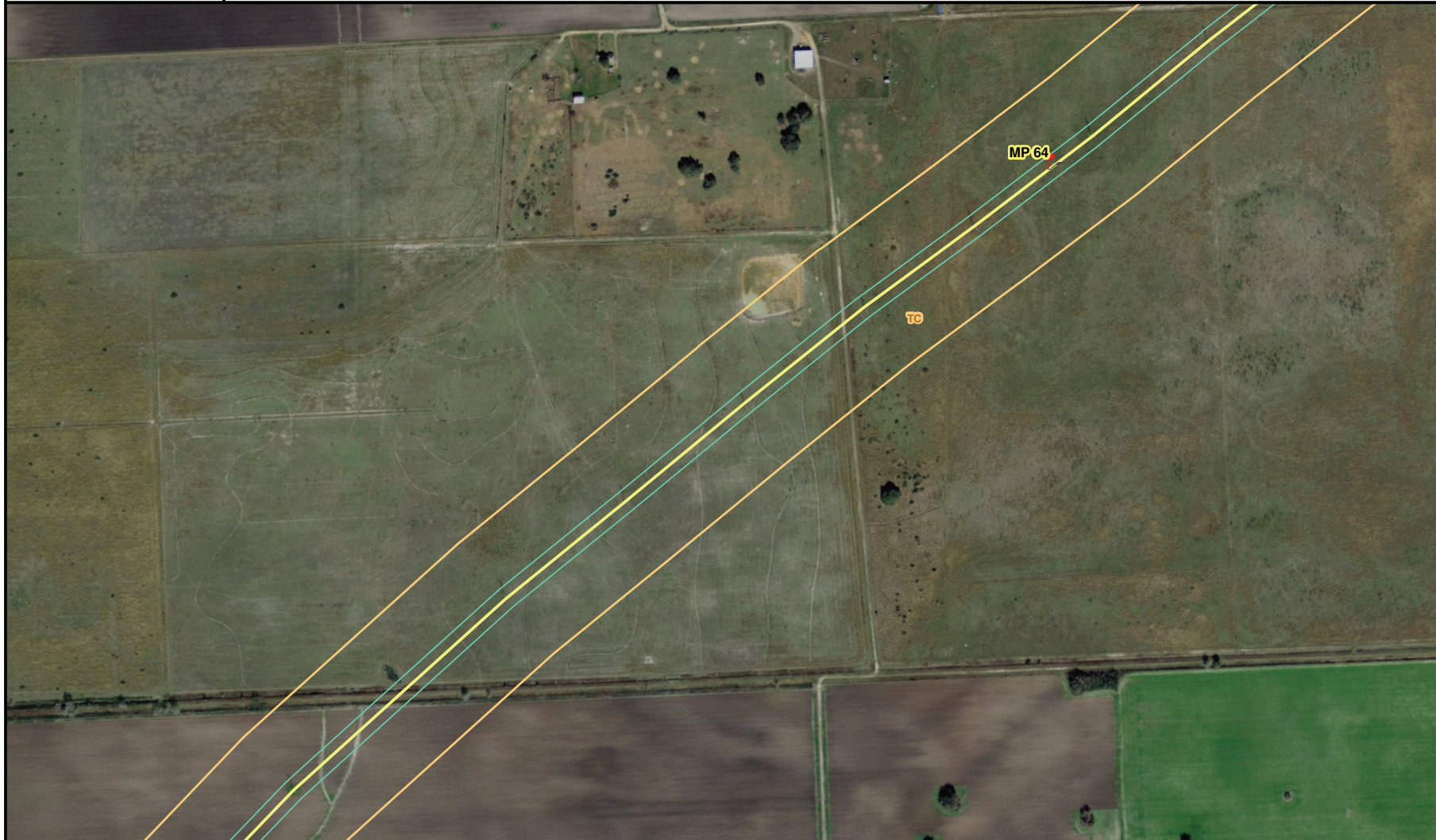
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Jackson County  
Texas











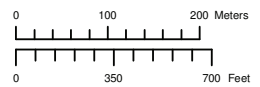
GIS Services and Solutions  
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Baton Rouge, LA 70806  
225-922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Francitas NW, TX

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OWL	Oil-waste land
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W	Water



UTMS Nad 83 Zone 14  
1:6,000



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Jackson County  
Texas





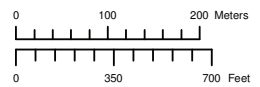
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Baton Rouge, LA 70806  
225-922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Francitas NW, TX

- Mile Post
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- Proposed Pipeline Corridor
- Archaeological Site
- Cemetery
- Historical Marker

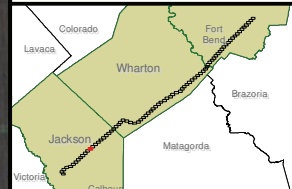
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TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
1:6,000



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Jackson County  
Texas











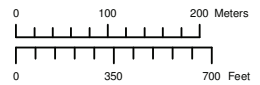
GIS Services and Solutions  
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Baton Rouge, LA 70806  
225-922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
Manson, TX  
Francitas NW, TX

-  Mile Post
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor
-  Archaeological Site
-  Cemetery
-  Historical Marker

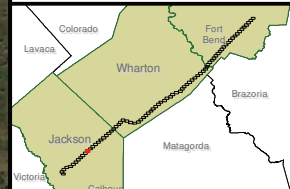
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W	Water



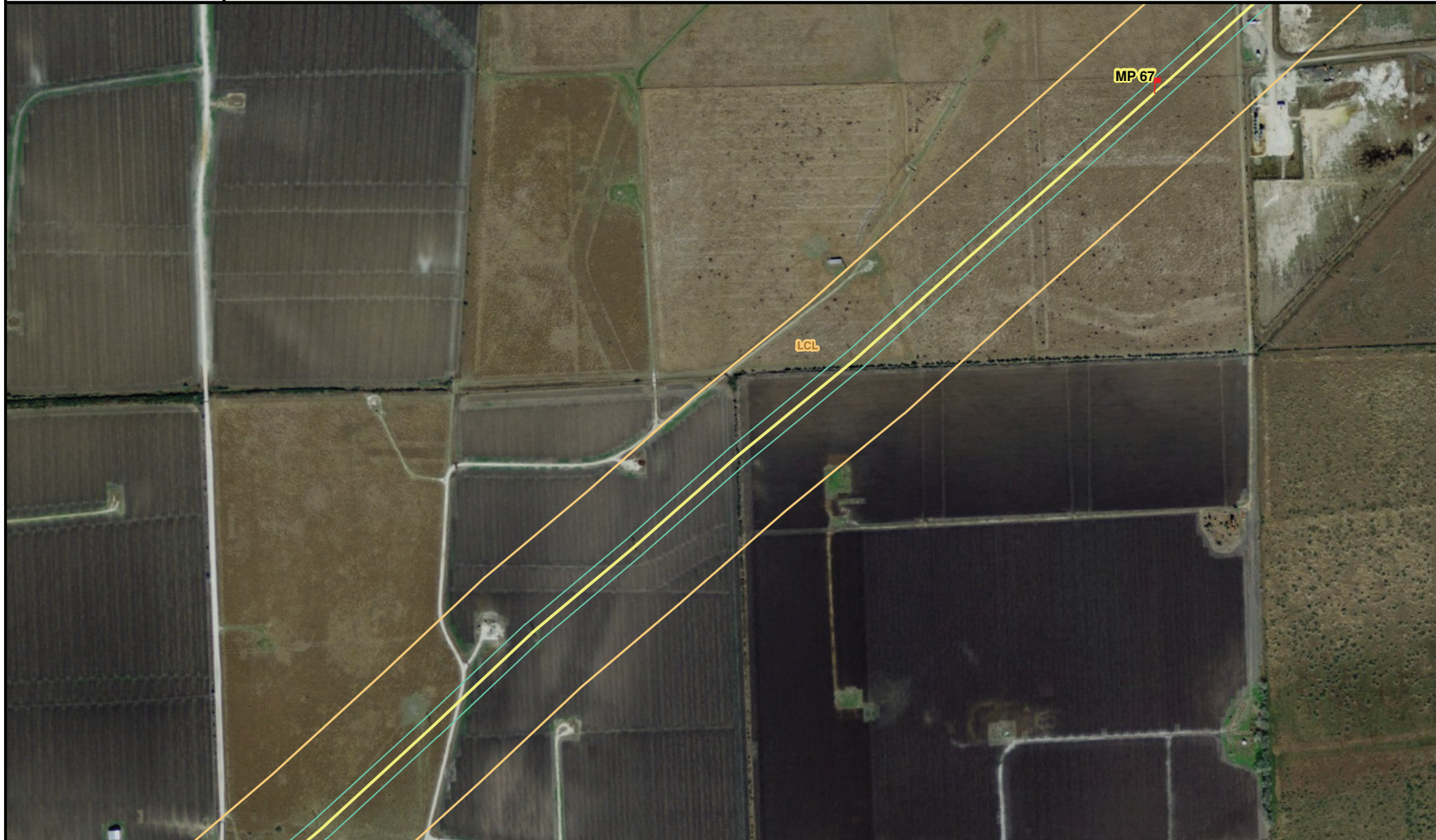
UTMS Nad 83 Zone 14  
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Jackson County  
Texas













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# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
Manson, TX  
Francitas NW, TX

-  Mile Post
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor
-  Archaeological Site
-  Cemetery
-  Historical Marker

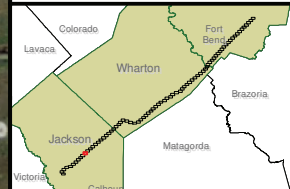
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W	Water



UTMS Nad 83 Zone 14  
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Jackson County  
Texas





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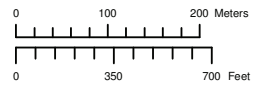
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Manson, TX



- Mile Post
- Proposed Pipeline Centerline
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- Cemetery
- Historical Marker

Symbol	Soil Grouping
ABK	Aransas clay, saline, frequently flooded
Ab	Asa silty clay loam
BEC	Bernard-Edna-Cieno-Waller complex
Ch	Chicolete clay
CN	Clemville-Norwood complex
Da	Dacosta sandy clay loam
GBP	Ganado-Brazoria-Pledger clays
InB	Inez fine sandy loam
Ka	Katy fine sandy loam
La	Laewest clay, 3-8% slope
LCL	Lake Charles-Laewest clays
Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
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Sheet 69 of 78



Jackson County  
Texas



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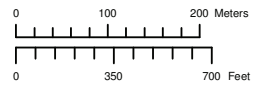
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Manson, TX



- Mile Post
- Proposed Pipeline Centerline
- Proposed Pipeline Corridor
- Archaeological Site
- Cemetery
- Historical Marker

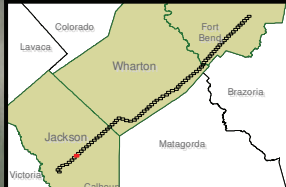
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UTMS Nad 83 Zone 14  
1:6,000



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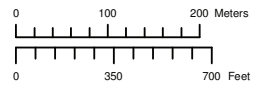
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
Manson, TX  
Lolita, TX



- Mile Post
- Proposed Pipeline Centerline
- Proposed Pipeline Corridor
- Archaeological Site
- Cemetery
- Historical Marker

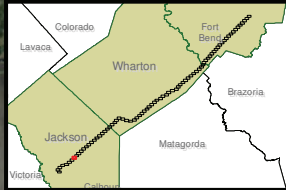
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Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
1:6,000



Sheet 71 of 78



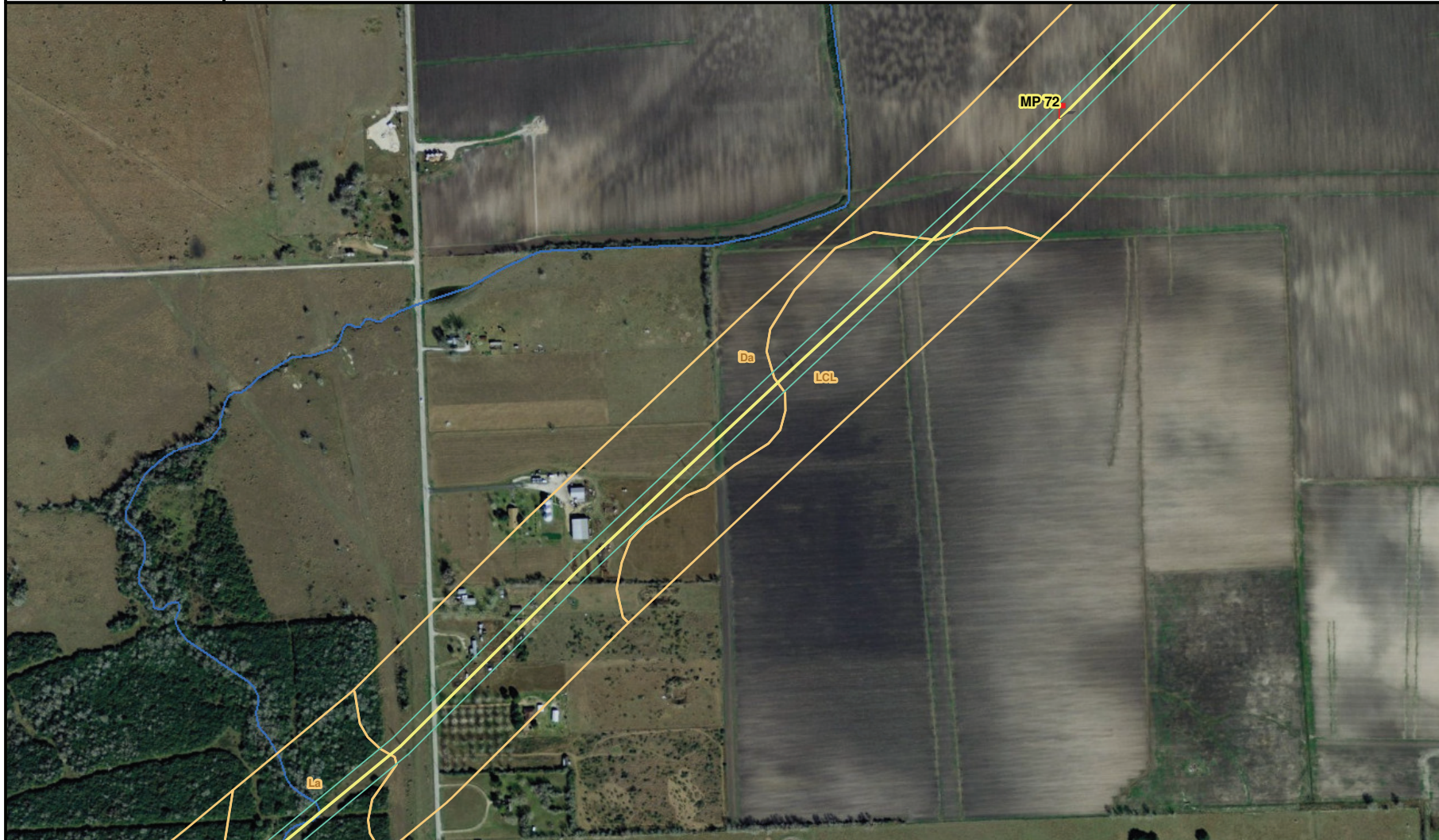
Jackson County  
Texas



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Baton Rouge, LA 70806  
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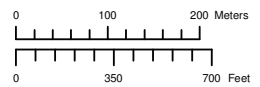
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Lolita, TX



- Mile Post**
- Proposed Pipeline Centerline**
- Proposed Pipeline Corridor**
- Archaeological Site**
- Cemetery**
- Historical Marker**

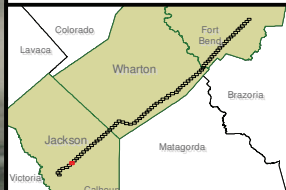
Symbol	Soil Grouping
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W	Water



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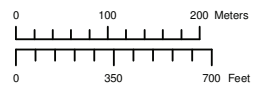
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Lolita, TX



- Mile Post
- Proposed Pipeline Centerline
- Proposed Pipeline Corridor
- Archaeological Site
- Cemetery
- Historical Marker

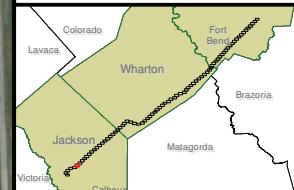
Symbol	Soil Grouping
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Na	Navidad fine sandy loam
OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
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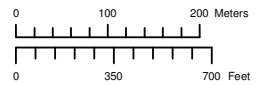
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Lolita, TX



- Mile Post
- Proposed Pipeline Centerline
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- Archaeological Site
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OWL	Oil-waste land
TC	Texana-Cieno sandy loams
W	Water



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**FIGURE DELETED TO REMOVE**

**CONFIDENTIAL INFORMATION**





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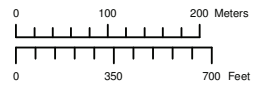
# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
La Salle, TX  
Loita, TX



- Mile Post
- Proposed Pipeline Centerline
- Proposed Pipeline Corridor
- Archaeological Site
- Cemetery
- Historical Marker

Symbol	Soil Grouping
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TC	Texana-Cieno sandy loams
W	Water



UTMS Nad 83 Zone 14  
1:6,000



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Jackson County  
Texas



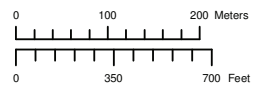
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# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
La Salle, TX  
Loita, TX

-  Mile Post
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor
-  Archaeological Site
-  Cemetery
-  Historical Marker

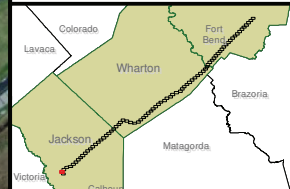
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UTMS Nad 83 Zone 14  
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Jackson County  
Texas











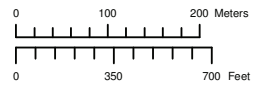
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225.922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
La Salle, TX  
Loita, TX

-  Mile Post
-  Proposed Pipeline Centerline
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UTMS Nad 83 Zone 14  
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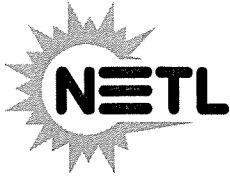
Sheet 78 of 78



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Texas



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April 25, 2012

Mr. Mark Wolfe  
State Historic Preservation Officer  
Texas Historical Commission  
1511 Colorado St.  
Austin, Texas 78701

Subject: Response to Texas Historical Commission Request for Backhoe Trenching;  
Proposed Phase I Cultural Resources Inventory Scope of Work for the W.A.  
Parish Post-Combustion CO<sub>2</sub> Capture and Sequestration Project in  
Southeastern Texas (Fort Bend, Wharton, and Jackson Counties)

Dear Mr. Wolfe,

In correspondence from your office dated February 23, 2012, the Texas Historical Commission (THC) recommended that “backhoe trenching be conducted in areas adjacent to waterways where there is the potential for deeply buried cultural resources. In areas where directional drilling will be utilized to pass underneath waterways backhoe trenching should take place at the location of the bore holes entrance and exit points where deep sediments are observed or suspected.”

URS Group, Inc. (URS) conducted a soil and geomorphological review of the six horizontal directional drills (HDD) planned for waterbody crossings during construction of the proposed CO<sub>2</sub> pipeline. As shown in Attachment 1, HDDs are planned for the following six waterbody crossings: Big Creek; FM 1994 (and adjacent pond); San Bernard River; Colorado River; Jones Creek; and Lavaca River. Attachment 1 also provides detailed aerial imagery of the HDD locations and indicates the proposed limits of the pipeline construction corridor, including additional temporary workspace, approximate milepost (MP) locations, and soil types. A summary of the soil types encountered at the entry and exit points for each HDD is provided in Table 1 below.

The FM 1994 HDD would cross under a man-made pond and would be completed in Bernard-Edna Complex soil (Table 1), which is associated with an upland landform. Therefore, the U.S. Department of Energy (DOE) proposes that no deep testing would be required for the FM 1994 HDD. Additionally, the HDD exit points for the Big Creek and Lavaca River crossings are characterized by the Edna fine sandy loam and Telferner fine sandy loam, respectively (Table 1). Both of these soils are affiliated with ancient (i.e., pre-Holocene) meander ridges on the Beaumont Formation. Based on their landform characteristics and age, no additional deep testing is considered warranted for the HDD exit locations at the Big Creek and Lavaca River crossings.

The soils encountered at the remaining eight HDD entry and exit locations (i.e., the entry locations for the Big Creek and Lavaca River HDDs and the entry and exit locations for the San Bernard River, Colorado River, and Jones Creek HDDs) are associated with well-defined floodplain deposits that may contain more deeply buried cultural resources. As recommended by THC, DOE proposes that additional deep testing via backhoe trenching be conducted at these eight locations. Table 1 summarizes the recommendations for each HDD entry and exit location.

**Table 1. HDD Entry and Exit Location Soils**

HDD Name	MP	Entry Location			Exit Location		
		Soil Symbol	Soil Name	Deep Testing Proposed	Soil Symbol	Soil Name	Deep Testing Proposed
Big Creek	6.5	Kd	Kaman clay	Yes	Eb	Edna fine sandy loam	No
FM 1994	8.5	Be	Bernard-Edna complex	No	Be	Bernard-Edna complex	No
San Bernard River	20.5	As	Asa silty clay loam	Yes	Pa	Pledger clay	Yes
Colorado River	34	Cn	Clemville-Norwood complex	Yes	Me	Brazoria clay, rarely flooded	Yes
Jones Creek	35.5	Me	Brazoria clay, rarely flooded	Yes	Me	Brazoria clay, rarely flooded	Yes
Lavaca River	77.0	Ar	Aransas clay, saline, frequently flooded	Yes	TfA	Telferner fine sandy loam	No

Source: U.S. Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS) soil survey data for Fort Bend, Wharton, and Jackson Counties, Texas. URL: <http://soildatamart.nrcs.usda.gov>. Accessed April 2012.

The deep testing methodology for the eight proposed testing locations would be confined to the approximate boundaries of the proposed entry/exit points. The HDD borehole size is anticipated to be approximately 20 to 24-in (51 to 61-cm) in diameter. During pipeline construction, a pit measuring approximately 10-ft by 10-ft (2.6-m by 2.6-m) in areal extent and approximately 4-ft (1.2-m) in depth would be excavated at each HDD entry and exit point to contain drilling muds. Based on this project design, DOE proposes to excavate a 10-ft-long, 4-ft-deep trench, oriented perpendicular to the pipeline corridor, within the planned entry/exit pit at each of the eight deep testing locations. Trenching would be conducted utilizing a rubber-tired or tracked backhoe, depending upon soil and weather conditions, with a smooth (i.e., clean-up) bucket measuring approximately 3-ft (0.9-m) in width. The trenches would be excavated in approximately 6-in (15-cm) intervals to allow for examination of the exposed trench soils and sidewalls. Any exposed archaeological materials and/or subsurface features would be noted and recorded during this procedure and representative soil profiles would be drawn and photographed for each exposed trench face once the maximum depth of 4-ft (1.2-m) is reached.

If the Principal Archaeologist feels that additional depth is required to adequately assess a testing location, the Principal Archaeologist would request that the backhoe excavator excavate deeper in that portion of the trench. However, for health and safety reasons, survey personnel will not enter portions of the trench that are deeper than 4-ft (1.2-m) in depth, but will visually assess the trench wall from the ground surface or an adjacent location. Once observations are completed for each trench, excavated soil would be placed back into the trench and the ground surface returned to preexisting contours. Any encountered cultural features and/or materials will be analyzed and assessed as described in the February 10, 2012, Scope of Work that was reviewed by your office. The results of the deep testing at the eight proposed HDD locations would then be summarized in the Phase I cultural resources report being prepared for the ongoing pipeline corridor investigation.

We hope that the above rationale and trenching methodology address THC's recommendation for deep soil testing. DOE and NRG Energy, Inc., plan to proceed with this work as soon as possible (i.e., beginning around May 1, 2012) and are providing this approach to your office for informational purposes. Should you have any questions regarding the proposed backhoe trenching, please contact Mr. Rob Lackowicz (URS National Historical Preservation Act consultant) at 225-935-2974 or by email at [rob.lackowicz@urs.com](mailto:rob.lackowicz@urs.com). You can also reach me for comment at the address listed on the front page, by telephone at (304) 285-4145, or by email at [mark.lusk@netl.doe.gov](mailto:mark.lusk@netl.doe.gov).

Sincerely,



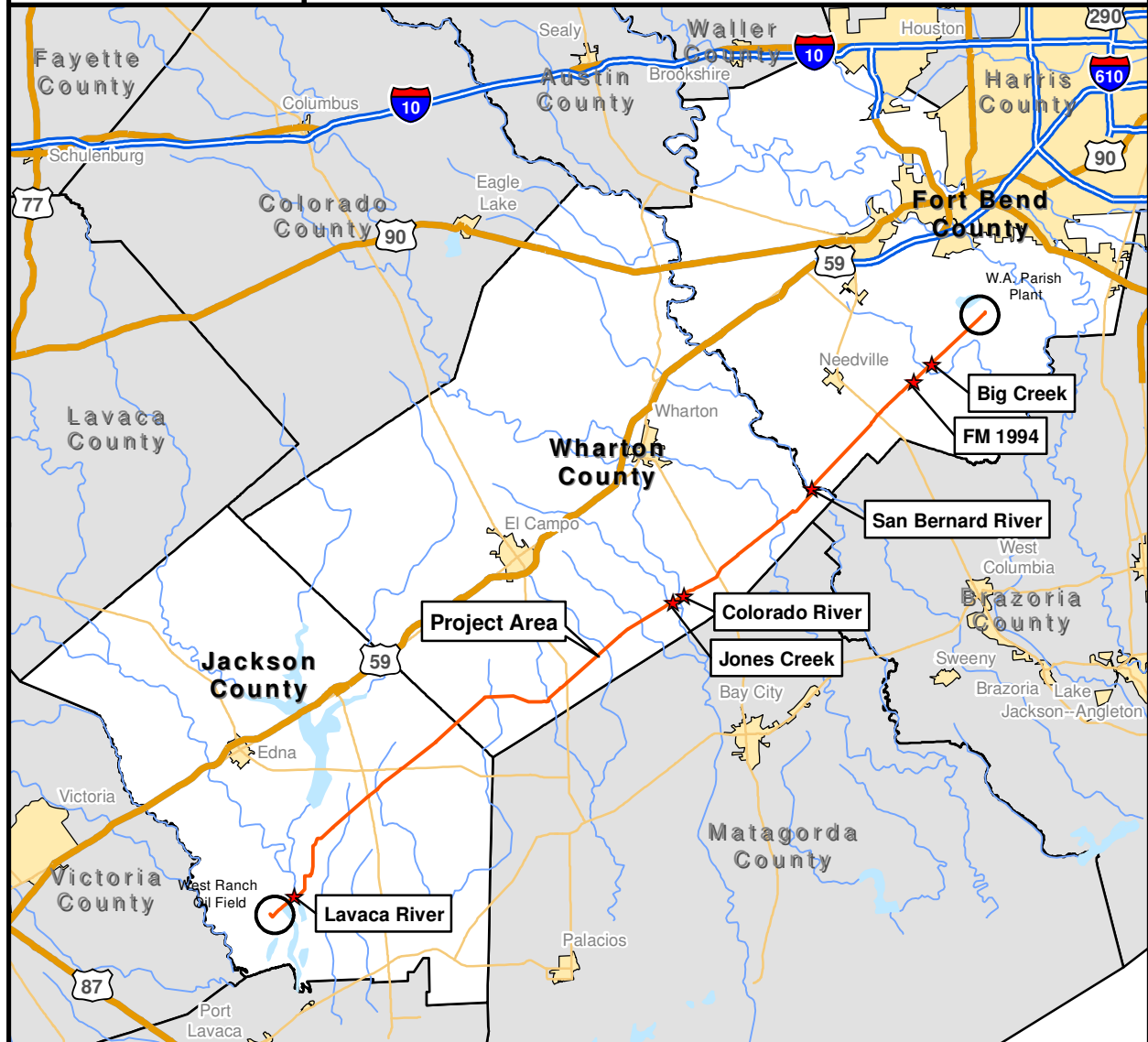
Mark W. Lusk  
NEPA Document Manager/NEPA  
Compliance Officer

Attachment

cc:

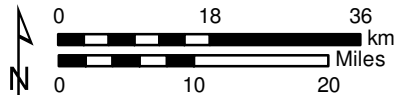
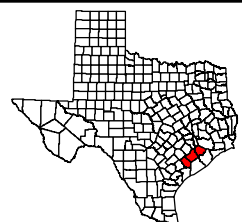
Jeff Durst - THC  
Ted McMahon - DOE  
Jon Barfield - NRG  
Anthony Armpriester - NRG  
Rob Lackowicz - URS  
Martin Handly - URS  
Pete Conwell - URS

# Proposed NRG Energy CO<sub>2</sub> Pipeline



- ★ Proposed HDD Location
- Project Area
- Major River
- Major Lake
- Interstate Highway
- Highway
- Major Road
- Urban Area
- Project County
- Surrounding County

## Locator Map

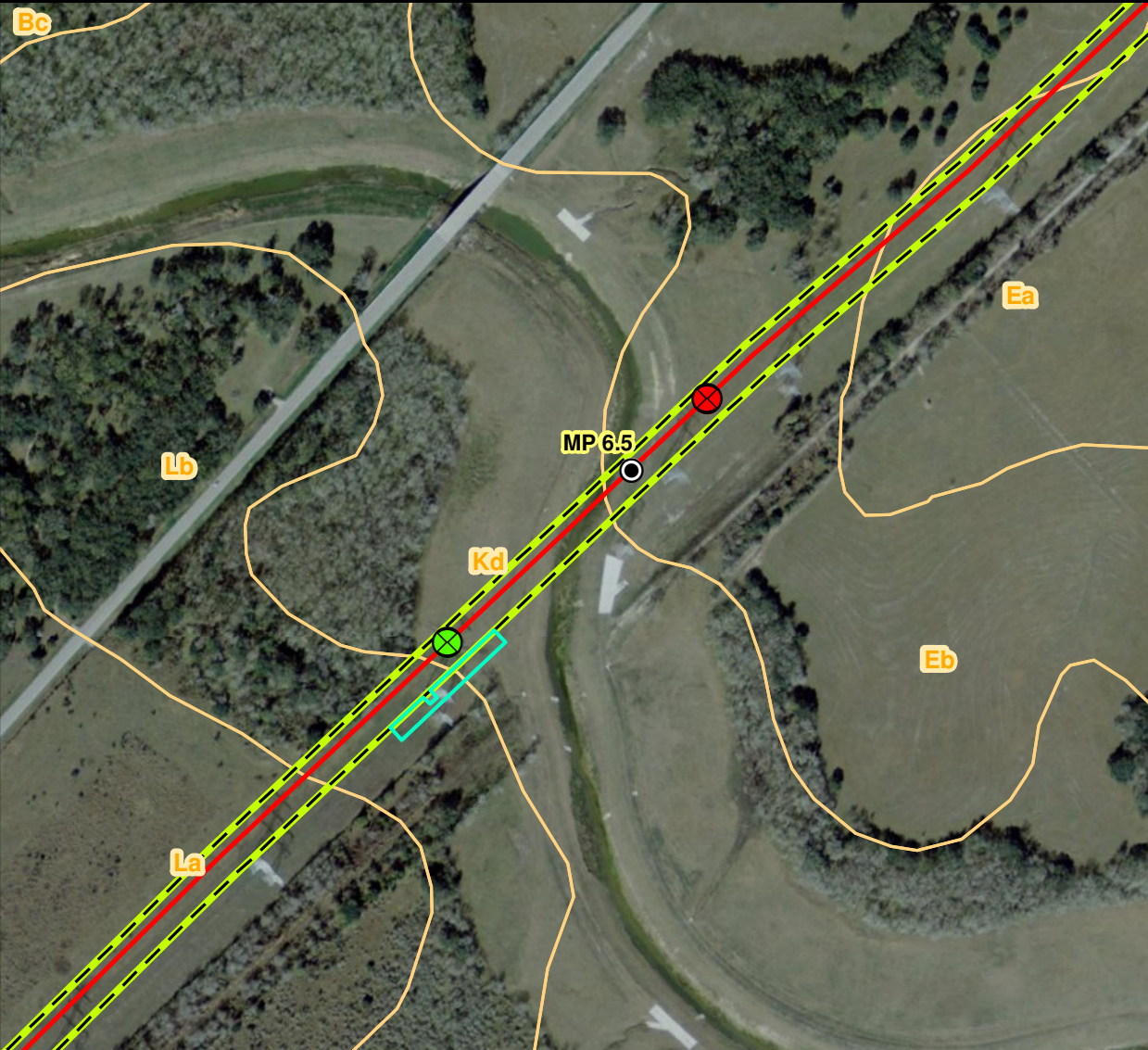


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 Zone 14

## Overview Map

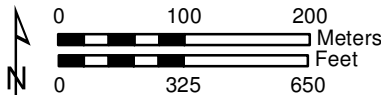
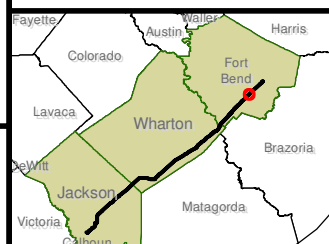


# NRG W. A. Parish CO<sub>2</sub> Pipeline



-  Proposed HDD Entry
-  Proposed HDD Exit
-  Soil
-  Proposed ATWS
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor

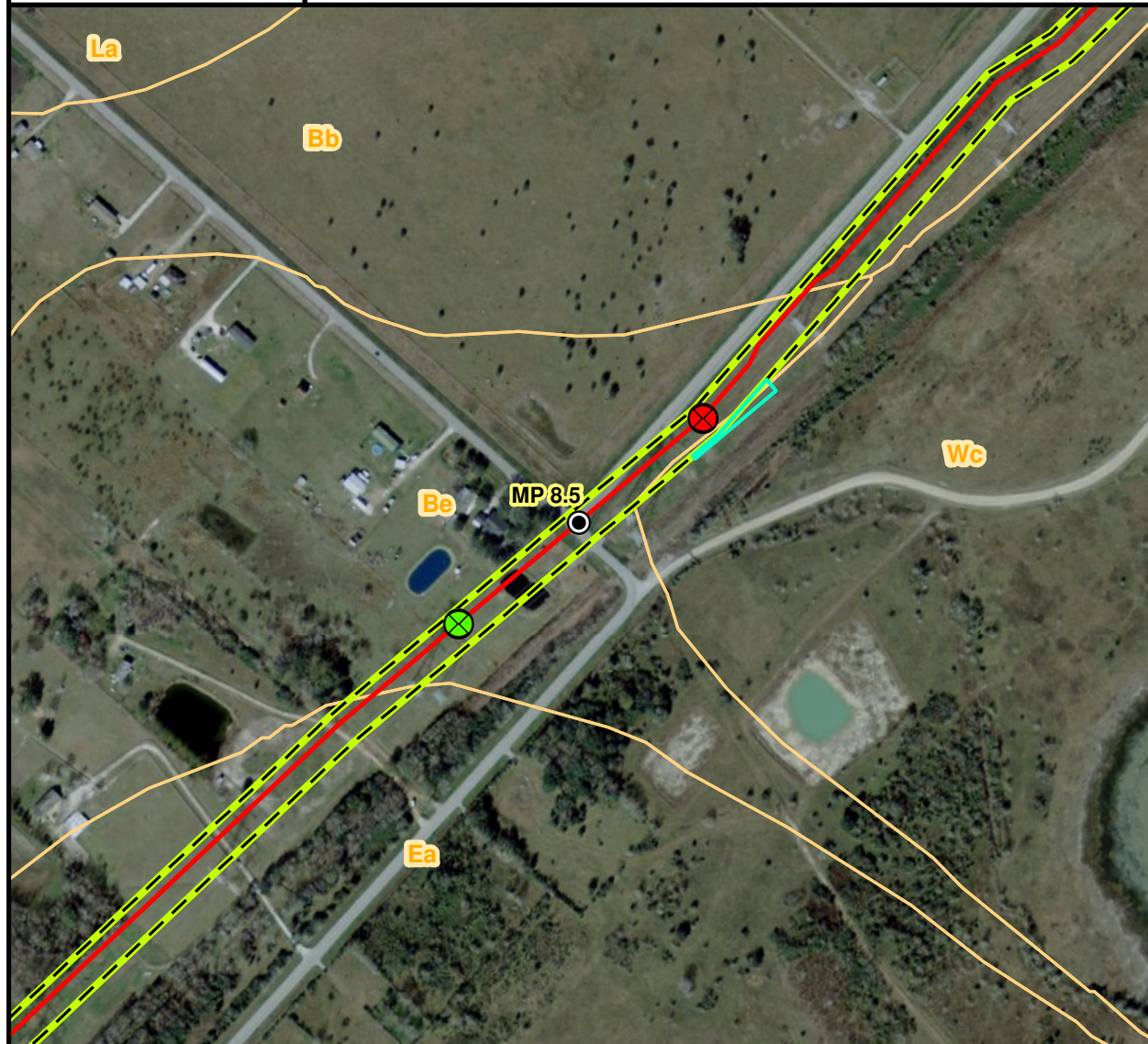
## Location Map



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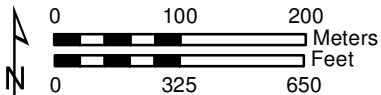
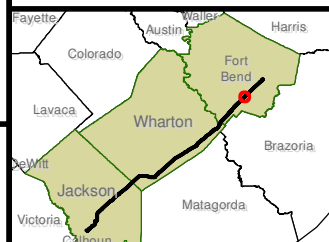
## Big Creek HDD Entry/ Exit Points

# NRG W. A. Parish CO<sub>2</sub> Pipeline



-  Proposed HDD Entry
-  Proposed HDD Exit
-  Soil
-  Proposed ATWS
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor

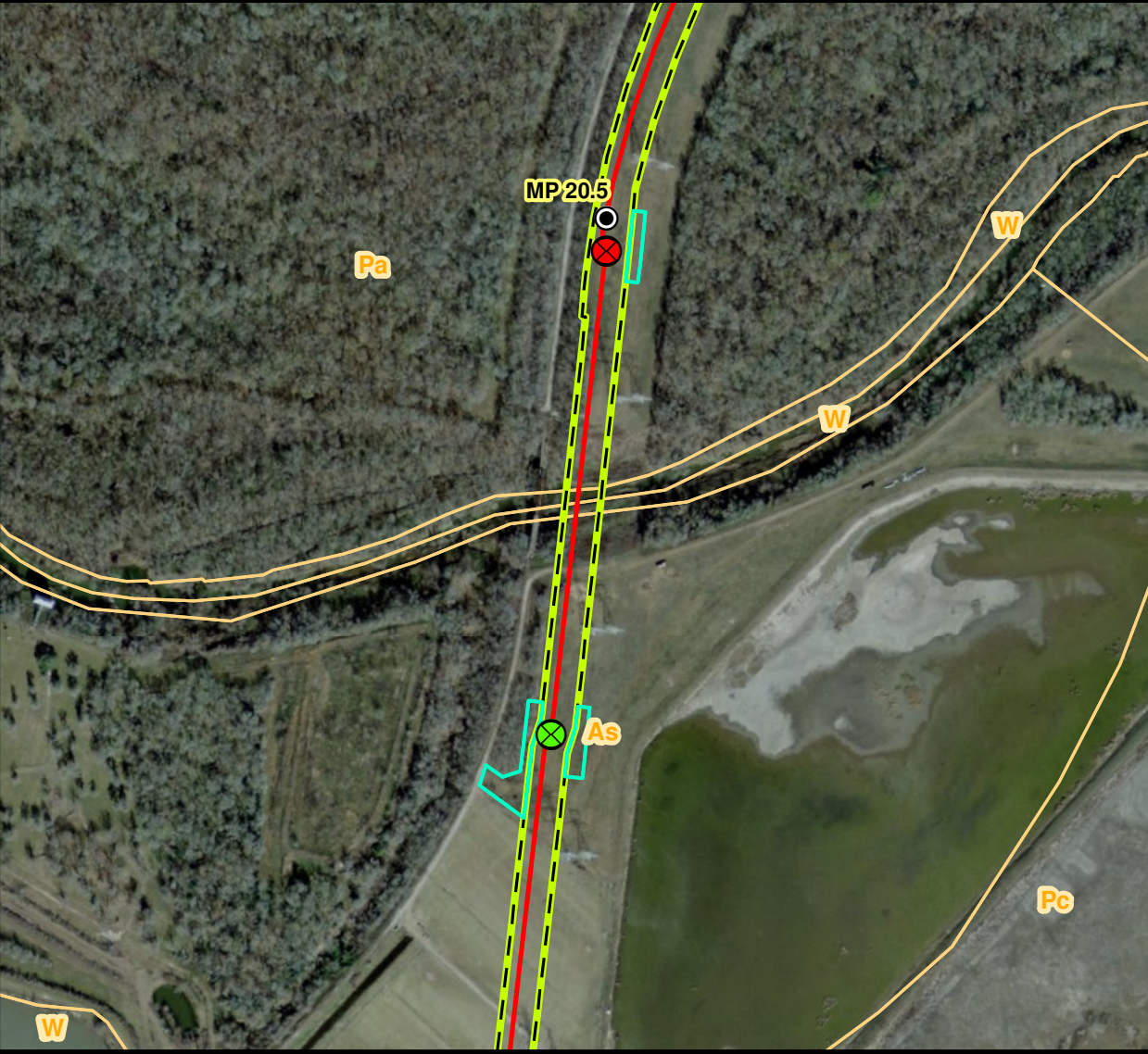
## Location Map









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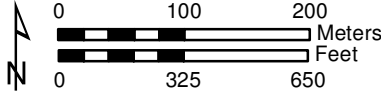
**FM 1994  
 HDD Entry/  
 Exit Points**

# NRG W. A. Parish CO<sub>2</sub> Pipeline



-  Proposed HDD Entry
-  Proposed HDD Exit
-  Soil
-  Proposed ATWS
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor

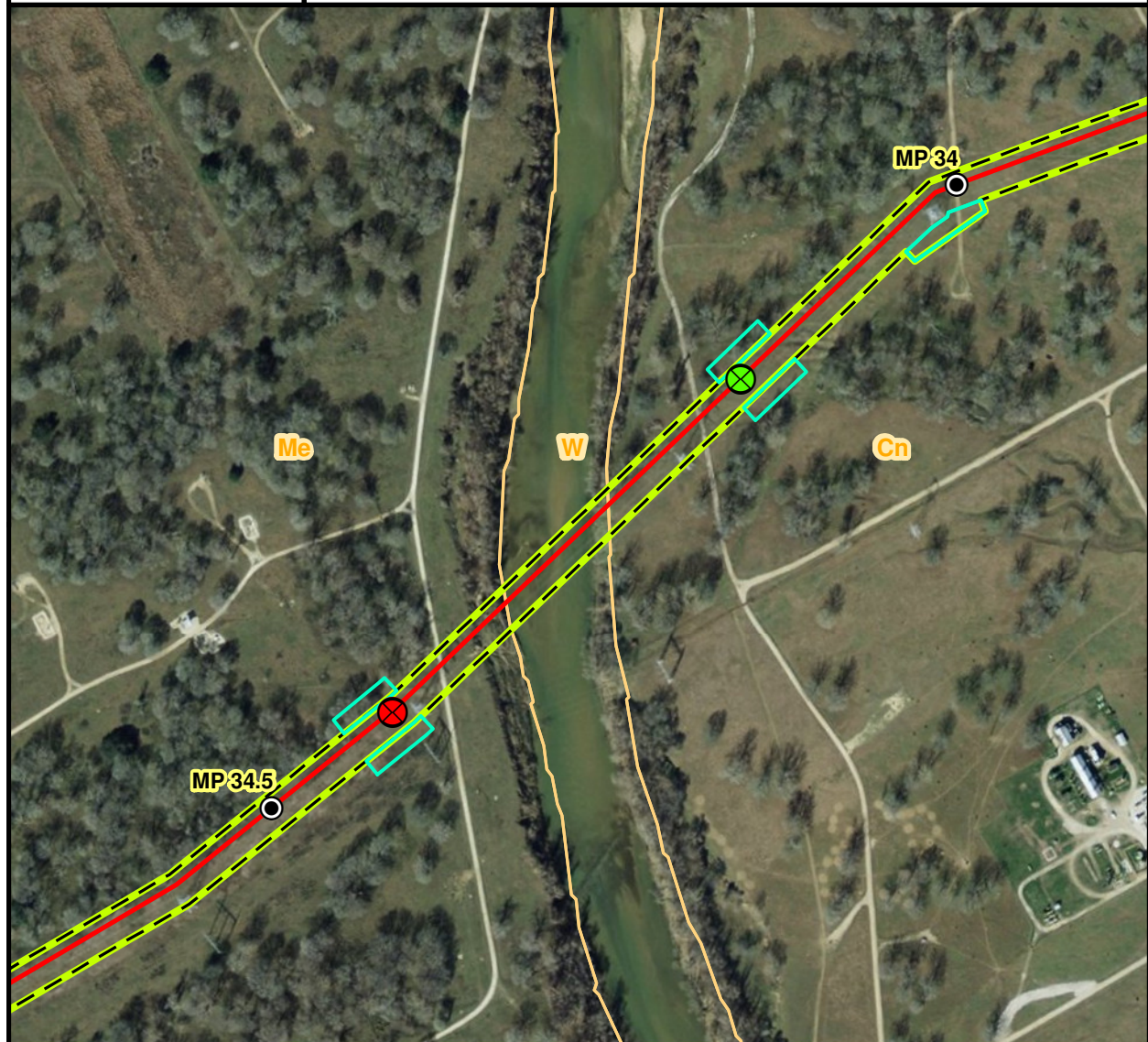
## Location Map



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 UTM Nad 83  
 Zone 14

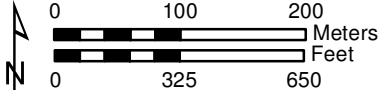
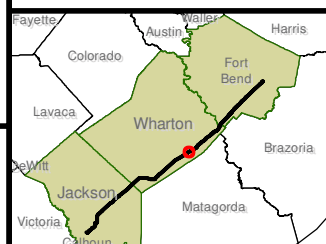
**San Bernard River  
 HDD Entry/  
 Exit Points**

# NRG W. A. Parish CO<sub>2</sub> Pipeline



-  Proposed HDD Entry
-  Proposed HDD Exit
-  Soil
-  Proposed ATWS
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor

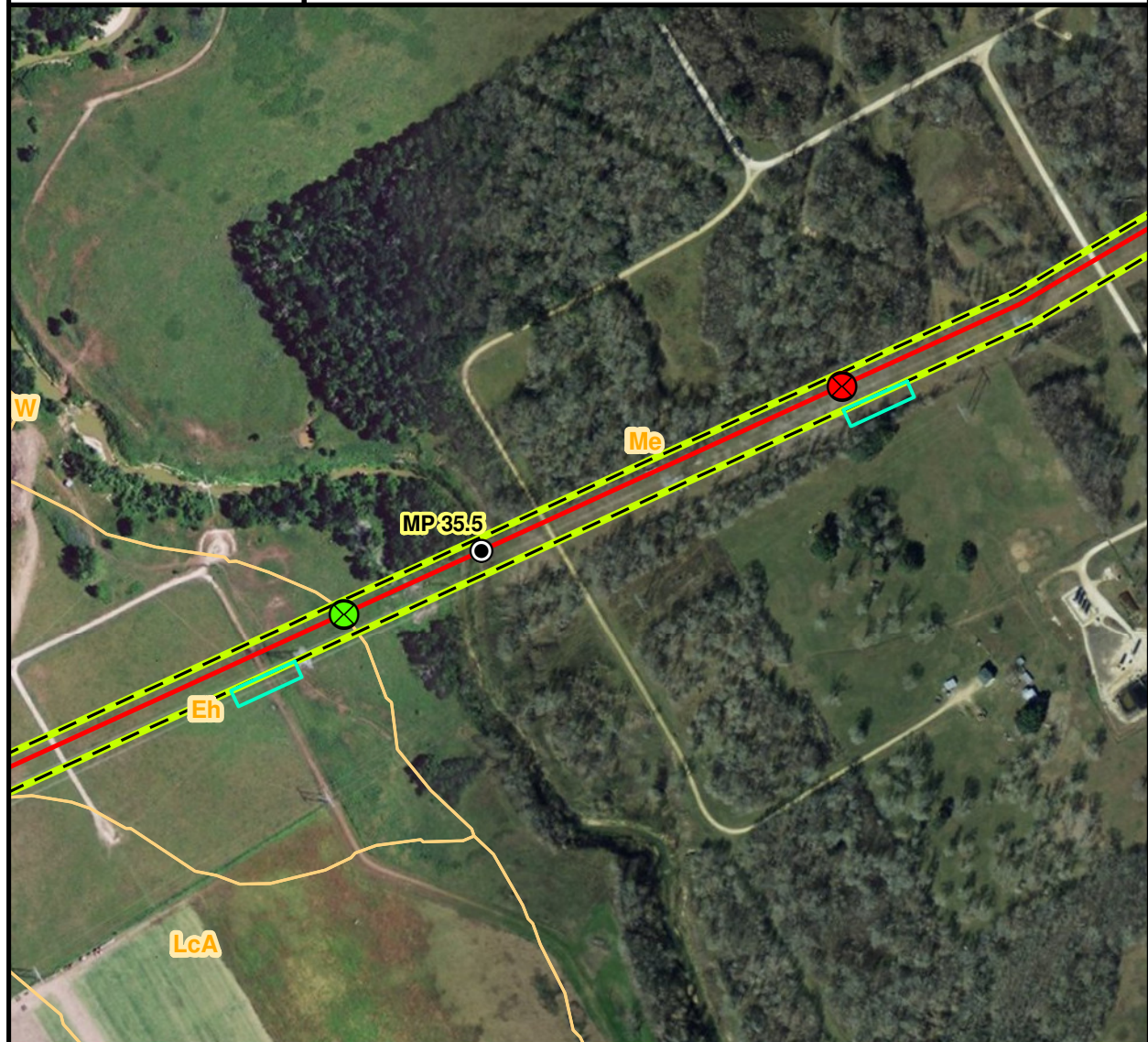
## Location Map






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 Zone 14

## Colorado River HDD Entry/ Exit Points

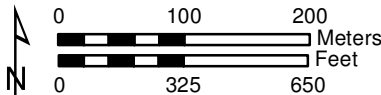
# NRG W. A. Parish CO<sub>2</sub> Pipeline



-  Proposed HDD Entry
-  Proposed HDD Exit
-  Soil

-  Proposed ATWS
-  Proposed Pipeline Centerline
-  Proposed Pipeline Corridor

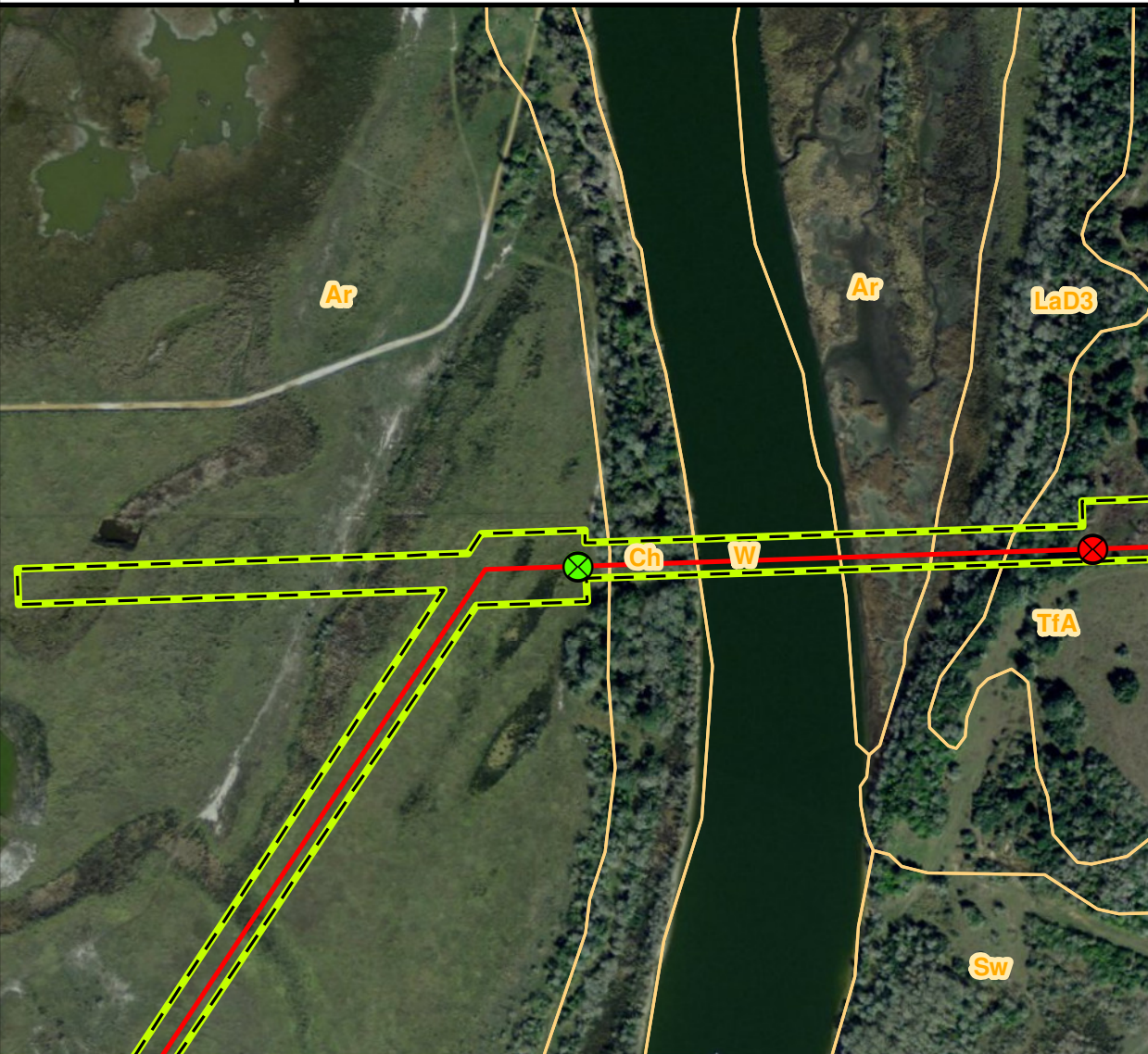
## Location Map



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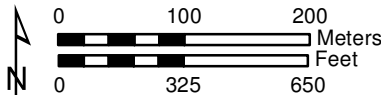
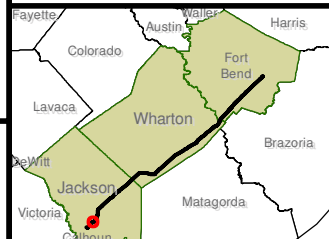
## Jones Creek HDD Entry/ Exit Points

# NRG W. A. Parish CO<sub>2</sub> Pipeline



-  Proposed HDD Entry
-  Proposed HDD Exit
-  Proposed Pipeline Corridor
-  Proposed ATWS
-  Proposed Pipeline Centerline
-  Soil

## Location Map



1:6,000  
 UTM Nad 83  
 Zone 14

## Lavaca River HDD Entry/ Exit Points

## **APPENDIX B**

### **1:24,000 Scale Topographic Maps**

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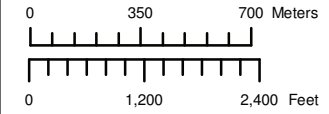
GIS Services and Solutions  
7389 Florida Blvd  
Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
Smithers Lake, TX  
Thompsons, TX



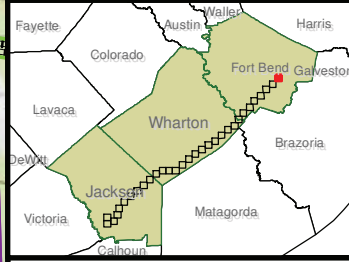
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- Previously Recorded Historical Marker
- Previously Recorded Survey
- USGS Quad Boundary



UTMS Nad 83 Zone 15  
1:24,000



Sheet 01 of 31



Fort Bend County

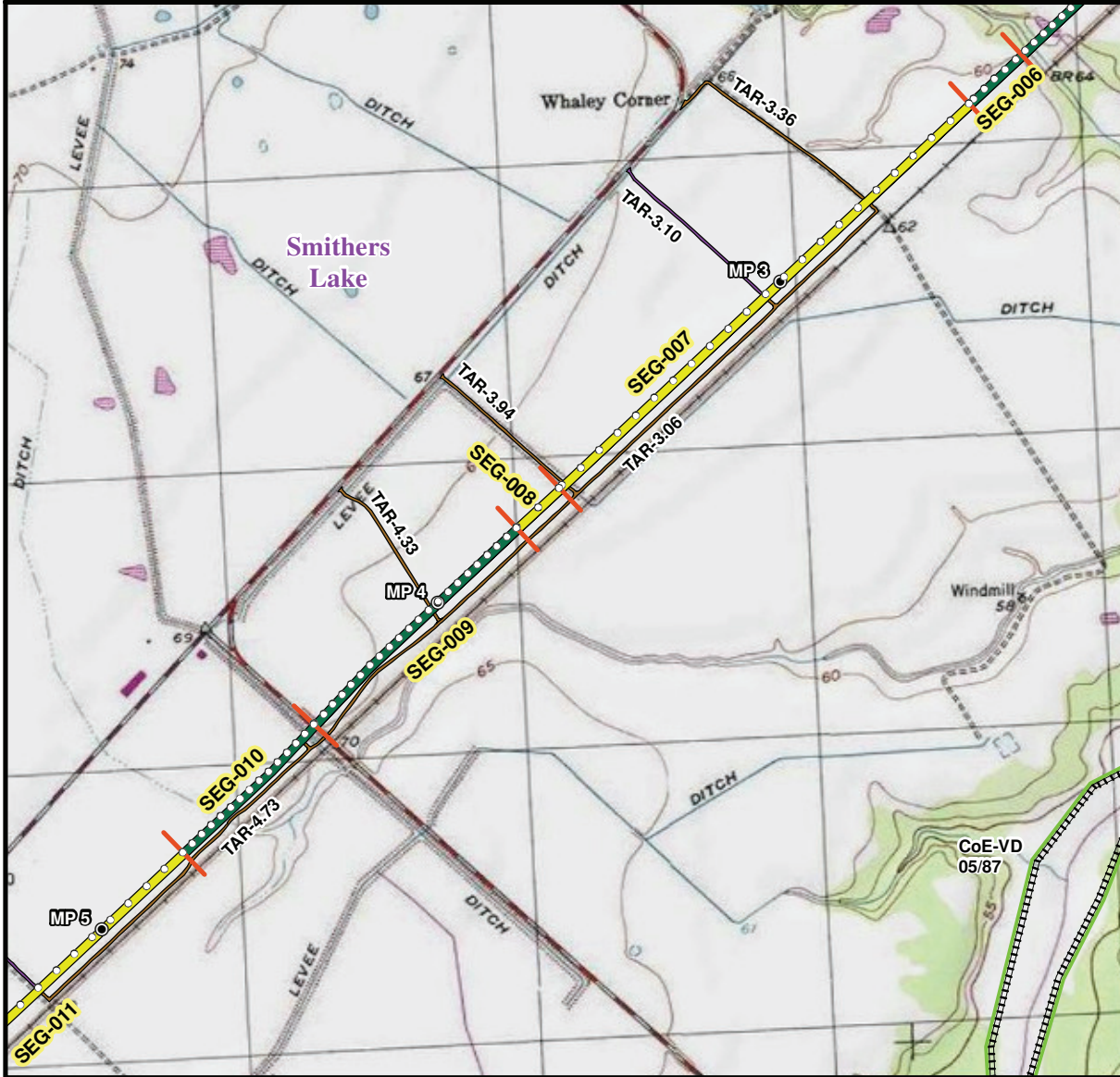
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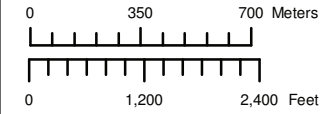
GIS Services and Solutions  
7389 Florida Blvd  
Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Smithers Lake, TX



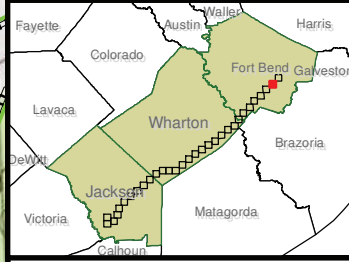
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UTMS Nad 83 Zone 15  
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Fort Bend County

Texas



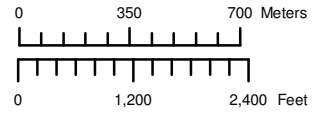
GIS Services and Solutions  
7389 Florida Blvd  
Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Smithers Lake, TX



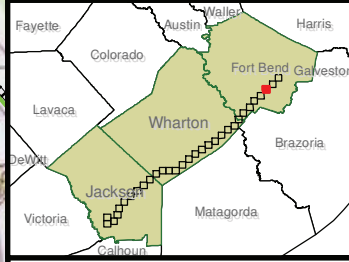
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Sheet 03 of 31



Fort Bend County

Texas



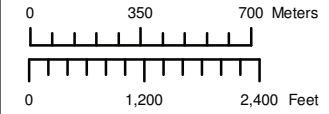
GIS Services and Solutions  
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Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads: Needville, TX  
Smithers Lake, TX  
Damon, TX  
Guy, TX



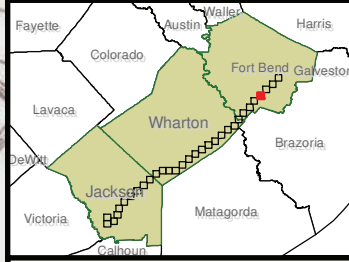
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UTMS Nad 83 Zone 15  
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Sheet 04 of 31



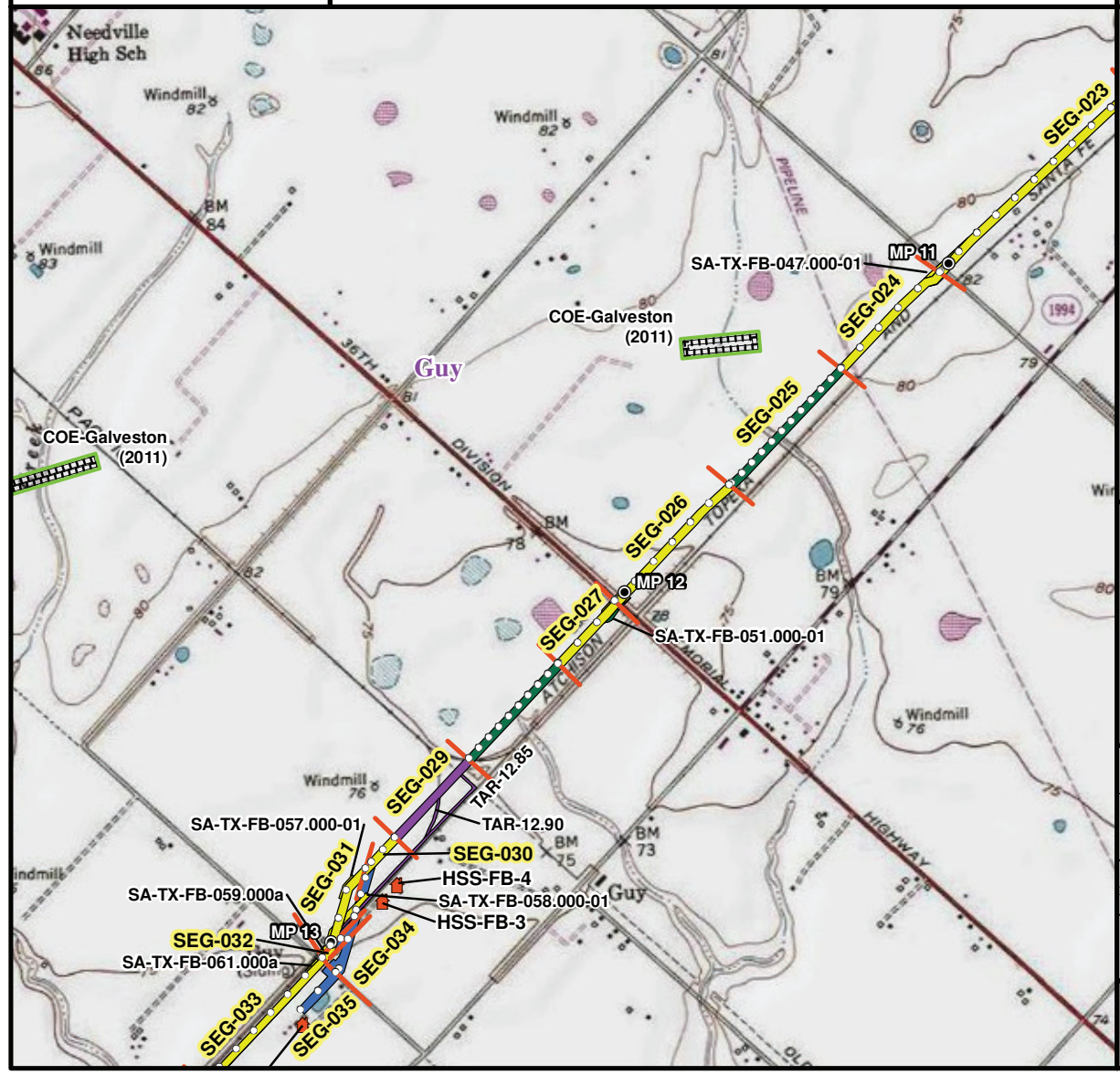
Fort Bend County  
Texas



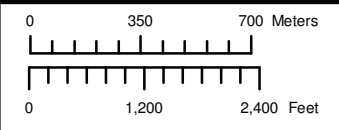
GIS Services and Solutions  
7389 Florida Blvd  
Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Guy, TX



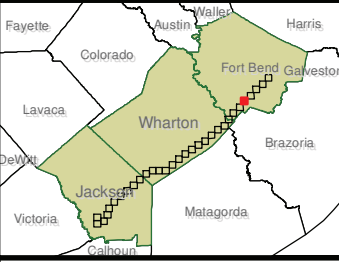
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- USGS Quad Boundary



UTMS Nad 83 Zone 15  
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Sheet 05 of 31



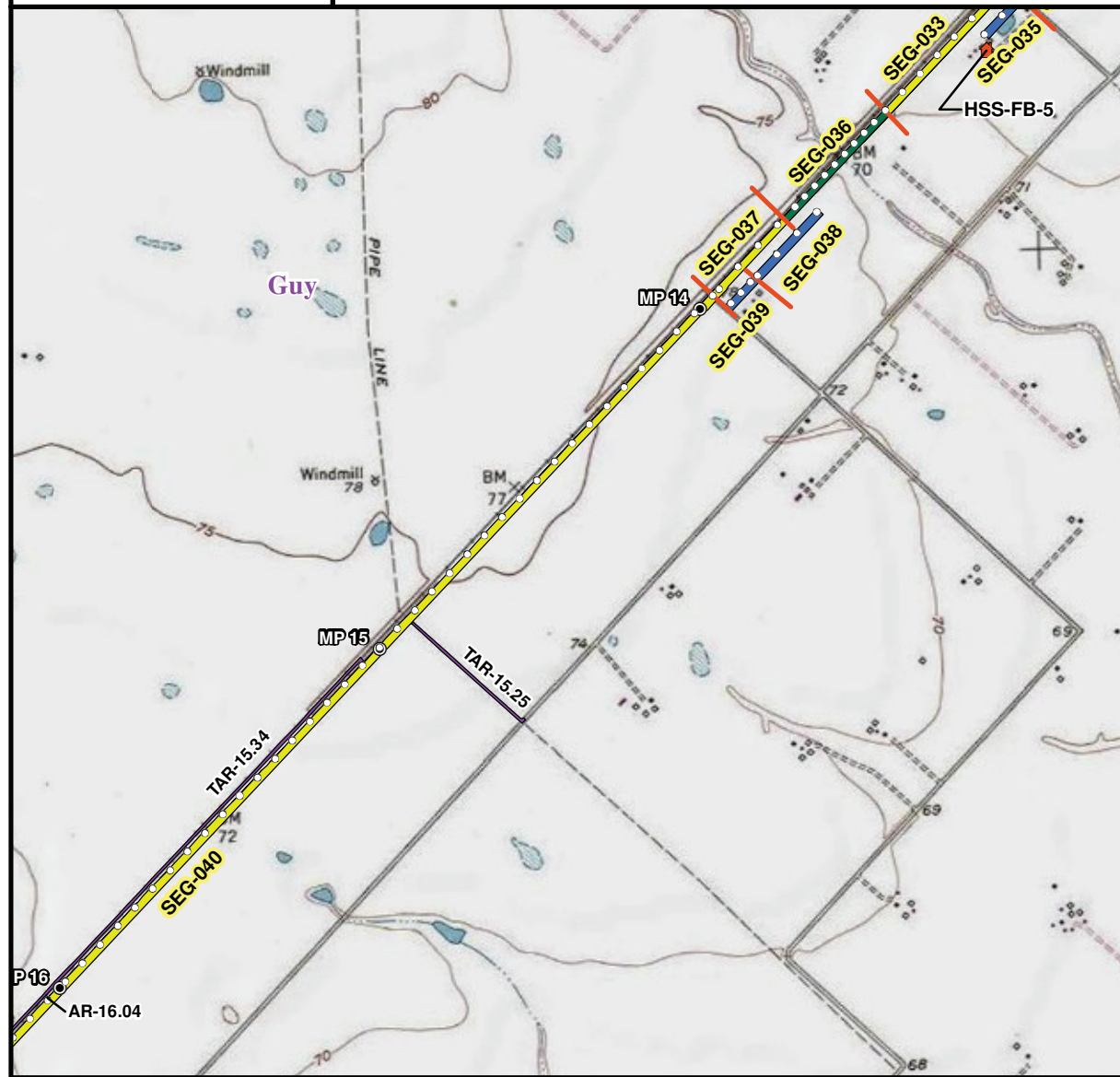
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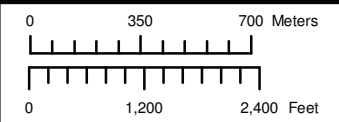
GIS Services and Solutions  
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Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Guy, TX



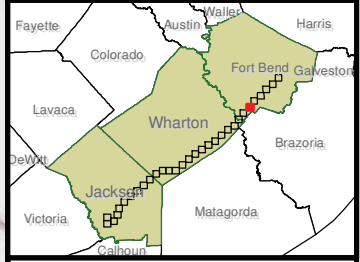
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- USGS Quad Boundary



UTMS Nad 83 Zone 15  
1:24,000



Sheet 06 of 31



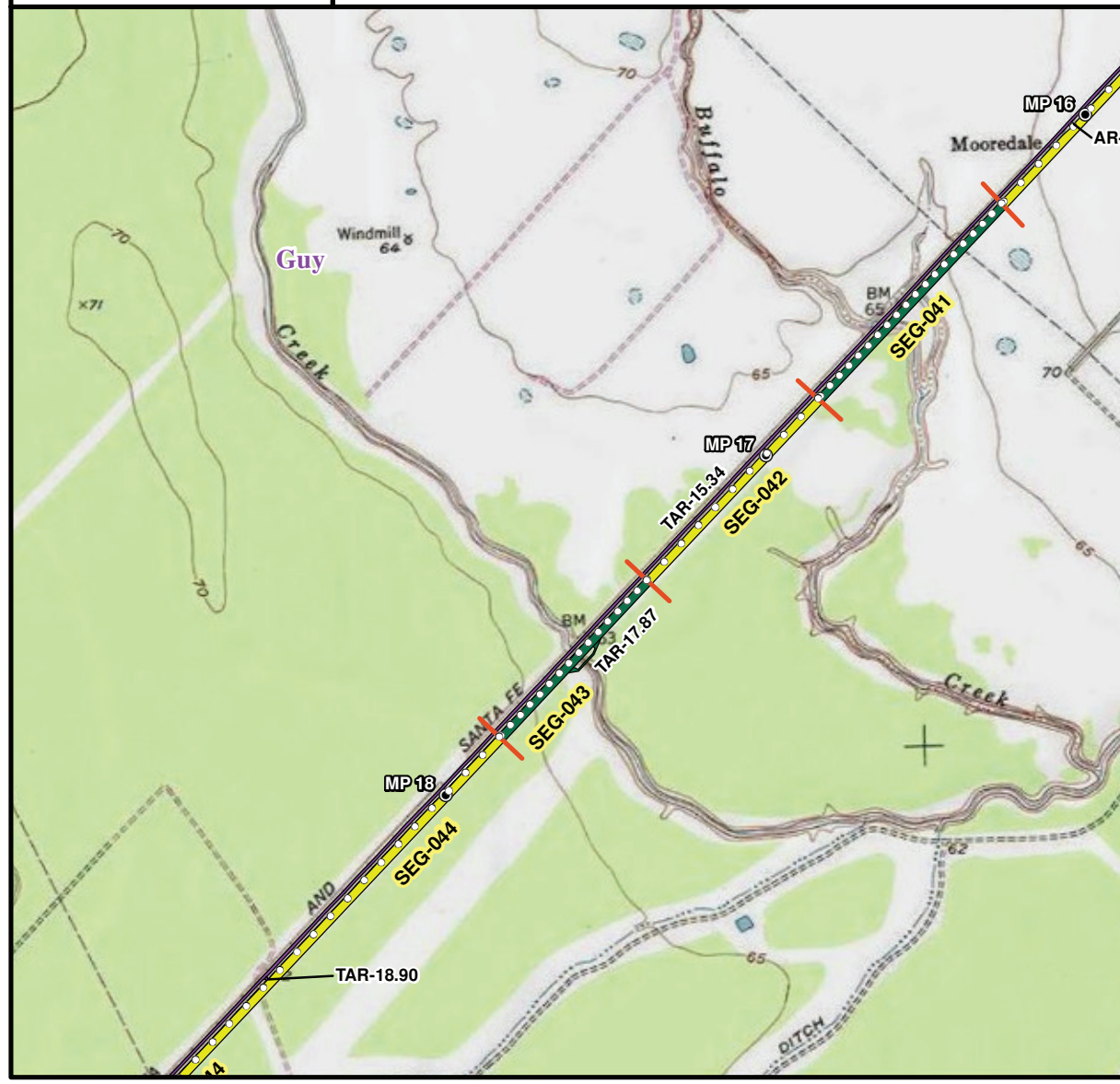
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**Texas**



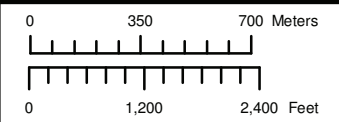
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7389 Florida Blvd  
Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Guy, TX



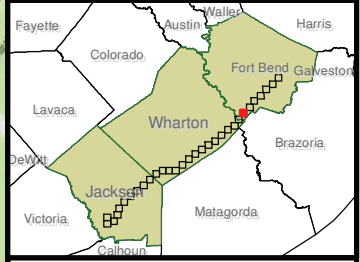
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UTMS Nad 83 Zone 15  
1:24,000



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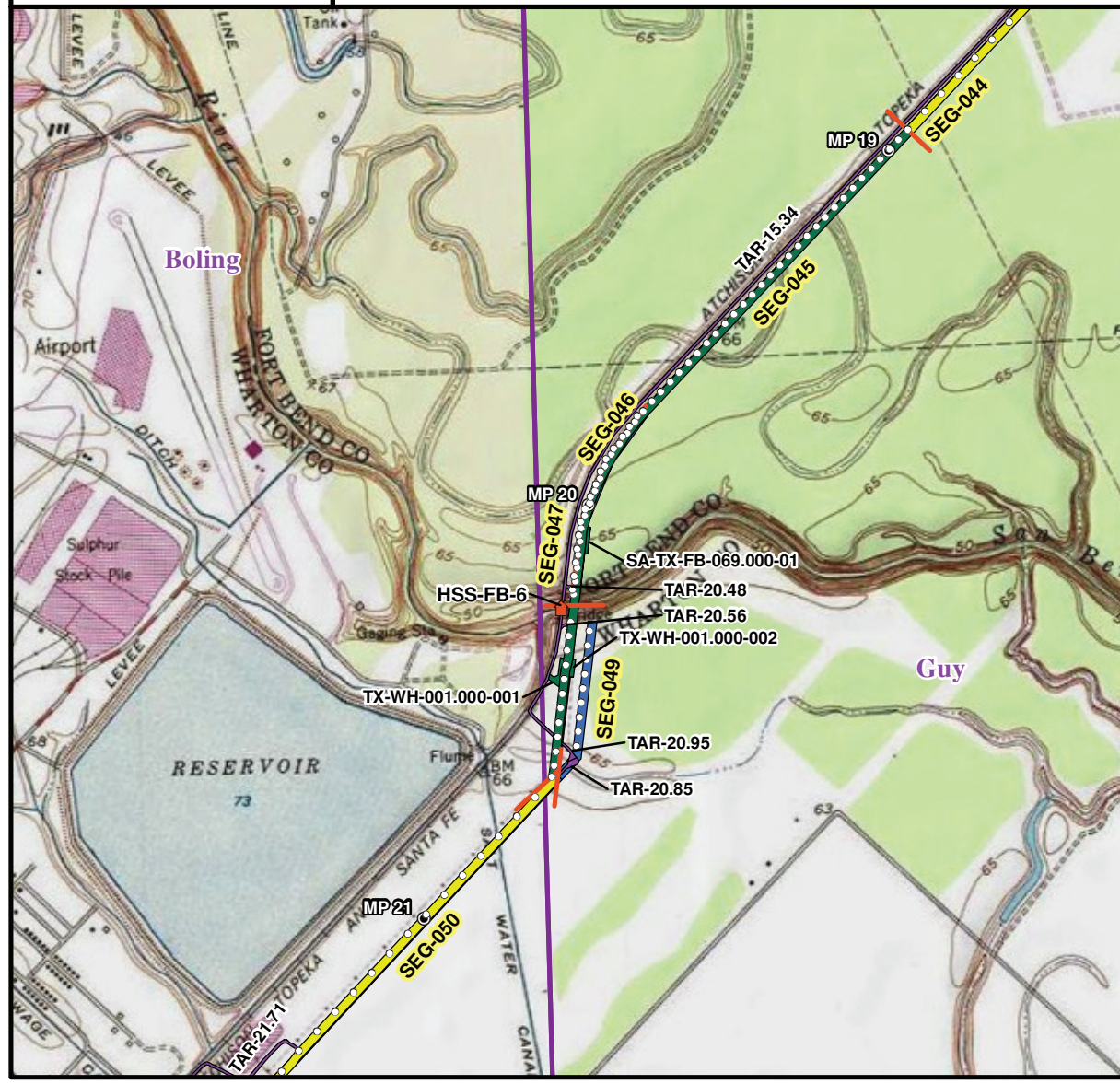
**Fort Bend County**  
**Texas**



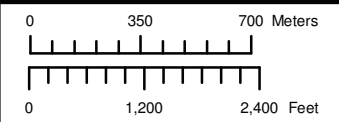
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Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
Boling, TX  
Guy, TX



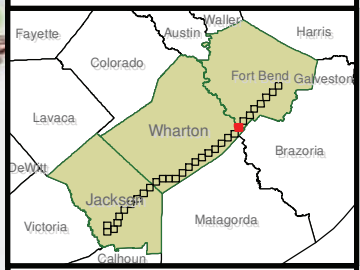
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- USGS Quad Boundary



UTMS Nad 83 Zone 15  
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**Fort Bend & Wharton County Texas**

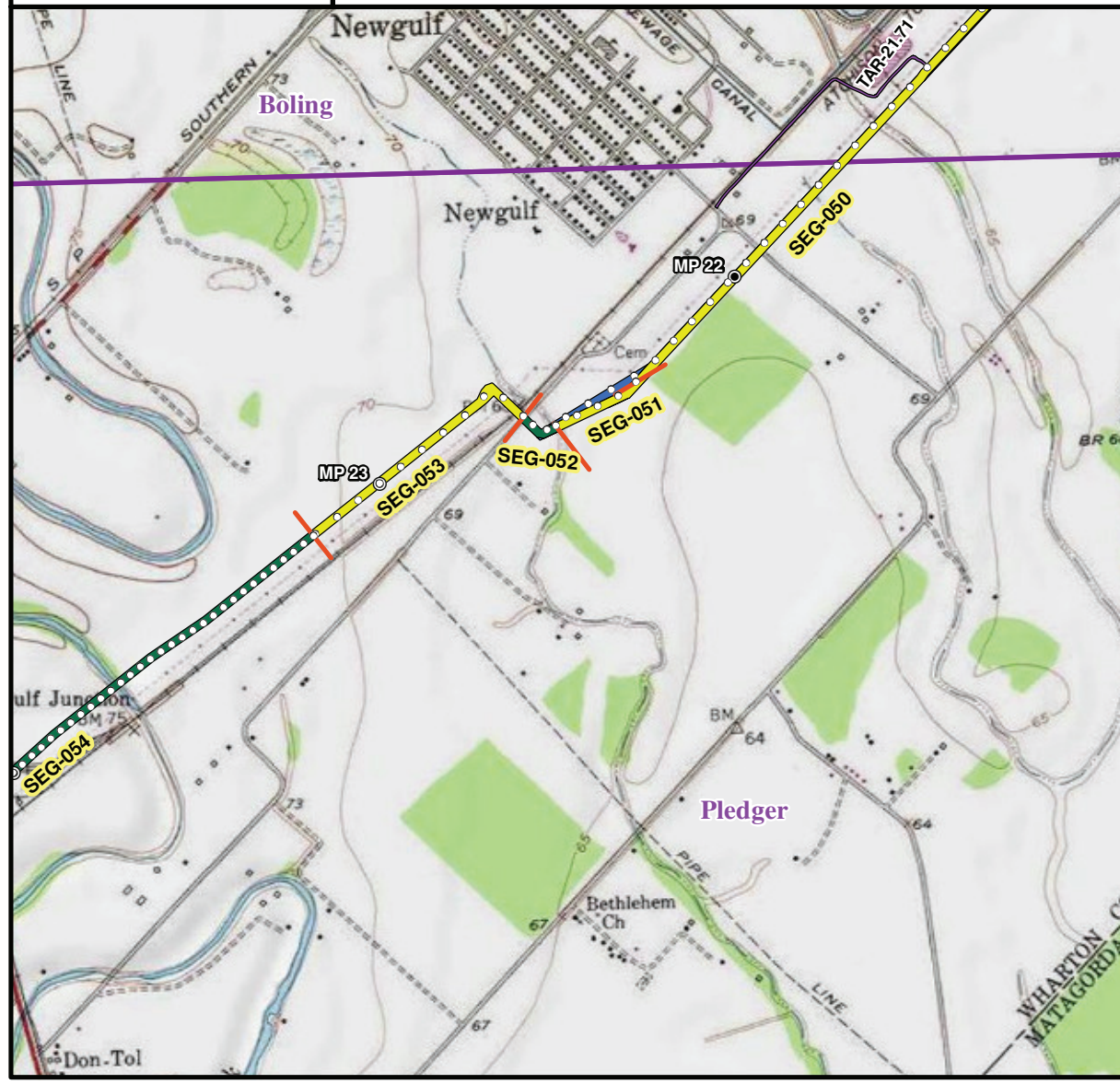




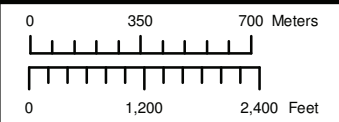
GIS Services and Solutions  
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Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
Boling, TX  
Pledger, TX



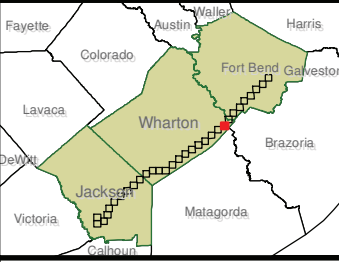
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- USGS Quad Boundary



UTMS Nad 83 Zone 15  
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Wharton County

Texas

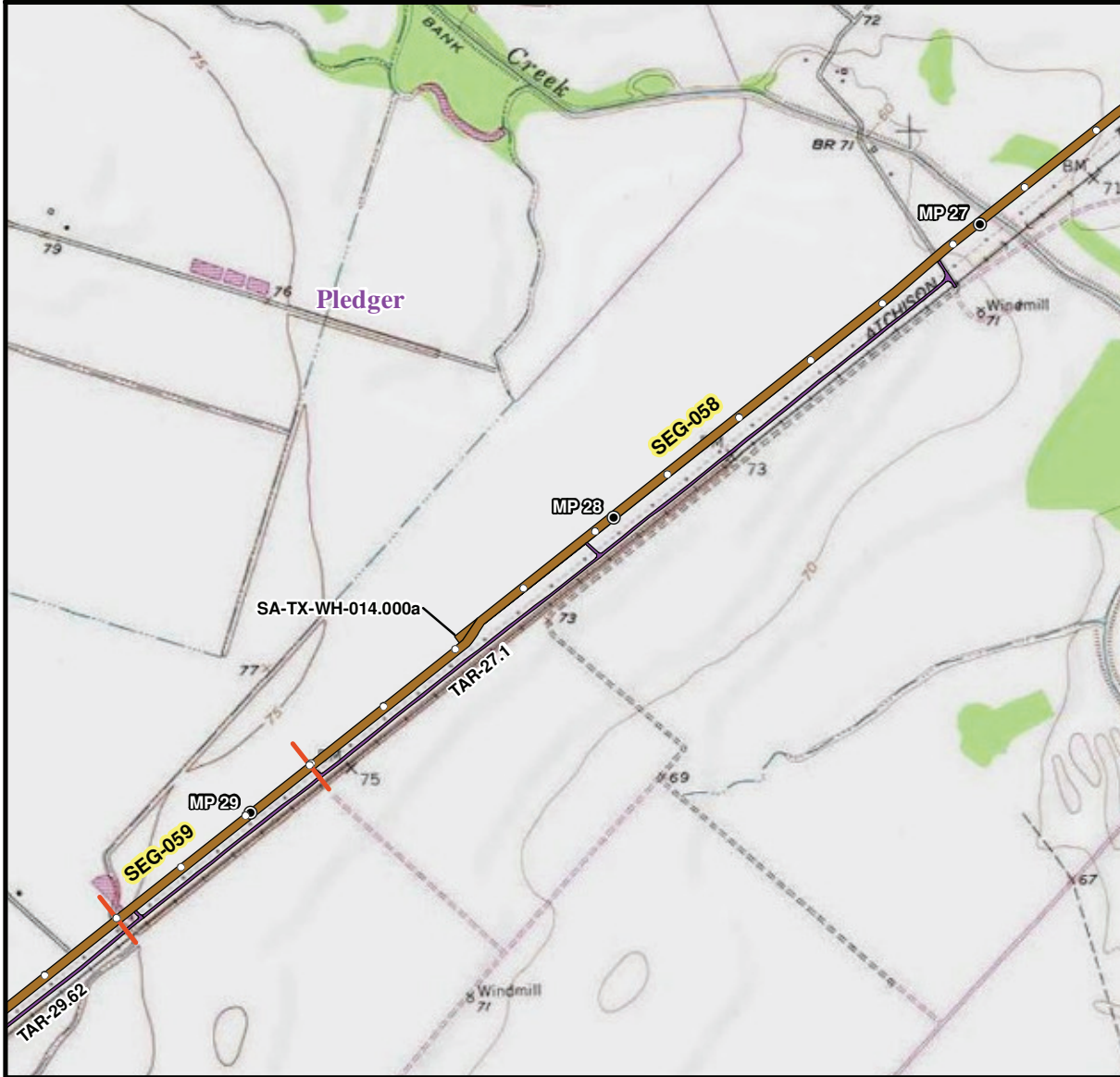
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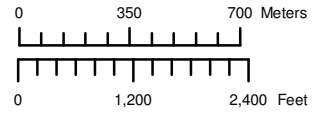
GIS Services and Solutions  
7389 Florida Blvd  
Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Pledger, TX



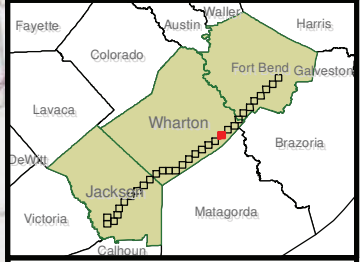
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UTMS Nad 83 Zone 15  
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Wharton County

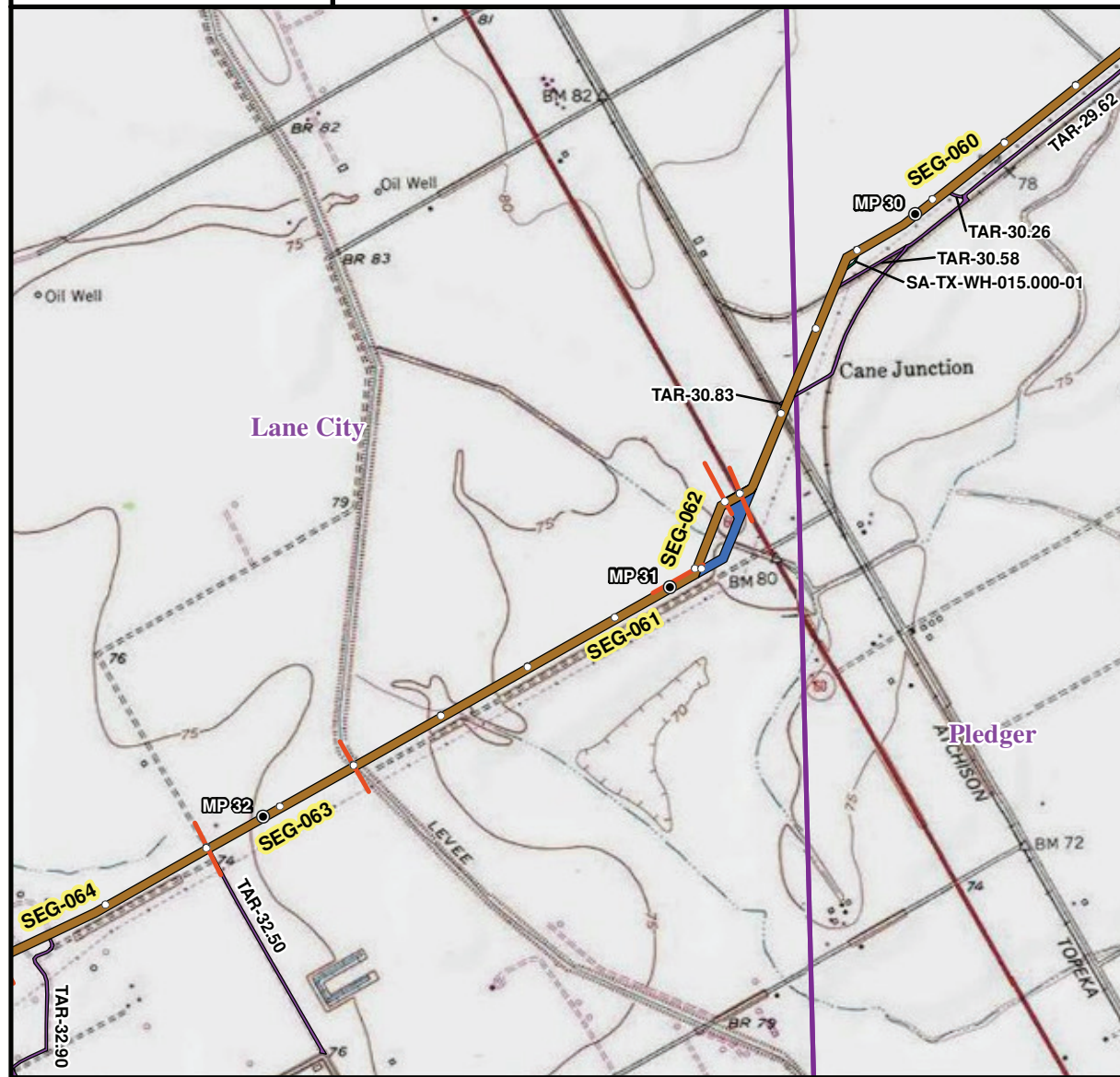
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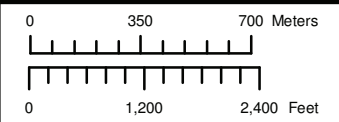
GIS Services and Solutions  
7389 Florida Blvd  
Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
Lane City, TX  
Pledger, TX



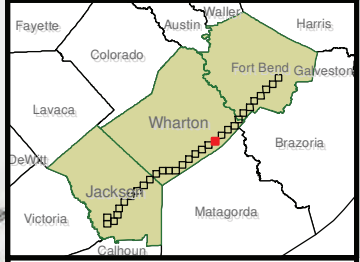
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- Previously Recorded Survey
- USGS Quad Boundary



UTMS Nad 83 Zone 15  
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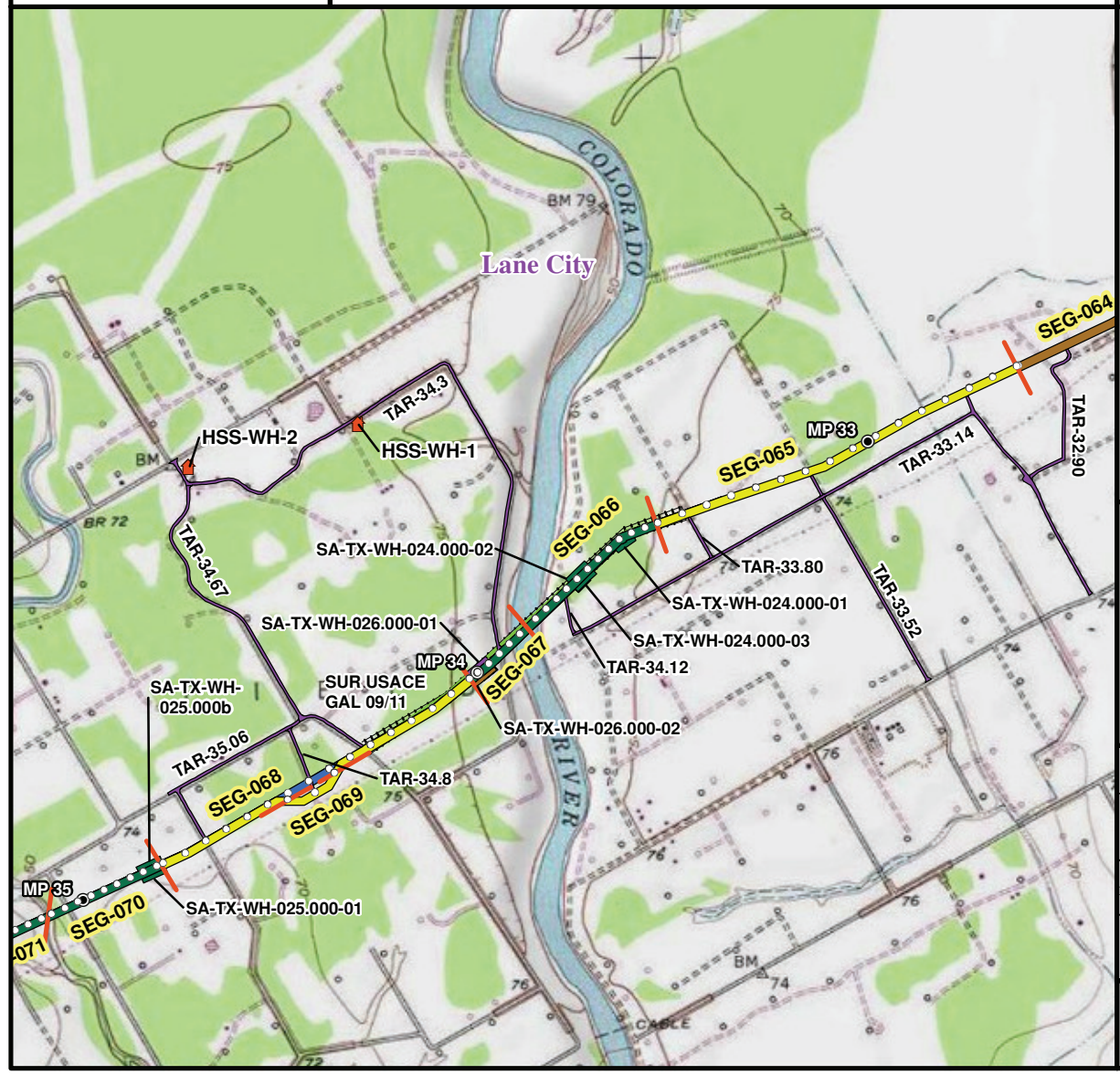
Wharton County  
Texas



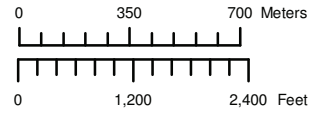
GIS Services and Solutions  
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Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Lane City, TX



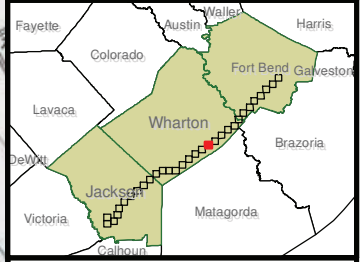
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UTMS Nad 83 Zone 15  
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Wharton County

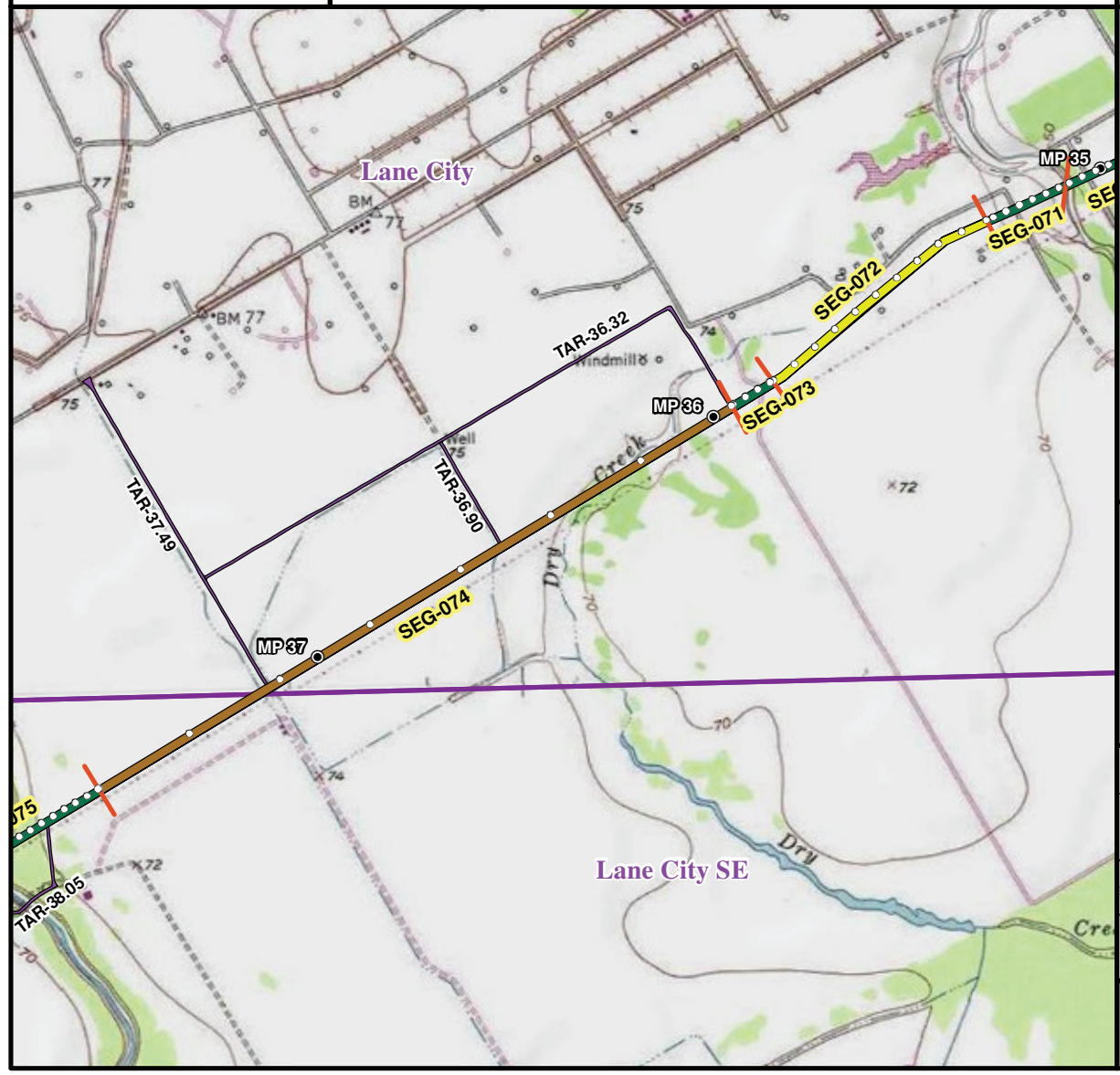
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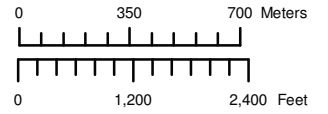
GIS Services and Solutions  
7389 Florida Blvd  
Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
Lane City, TX  
Lane City SE, TX



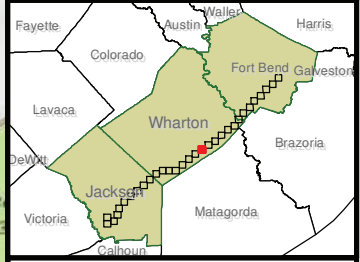
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UTMS Nad 83 Zone 15  
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Wharton County

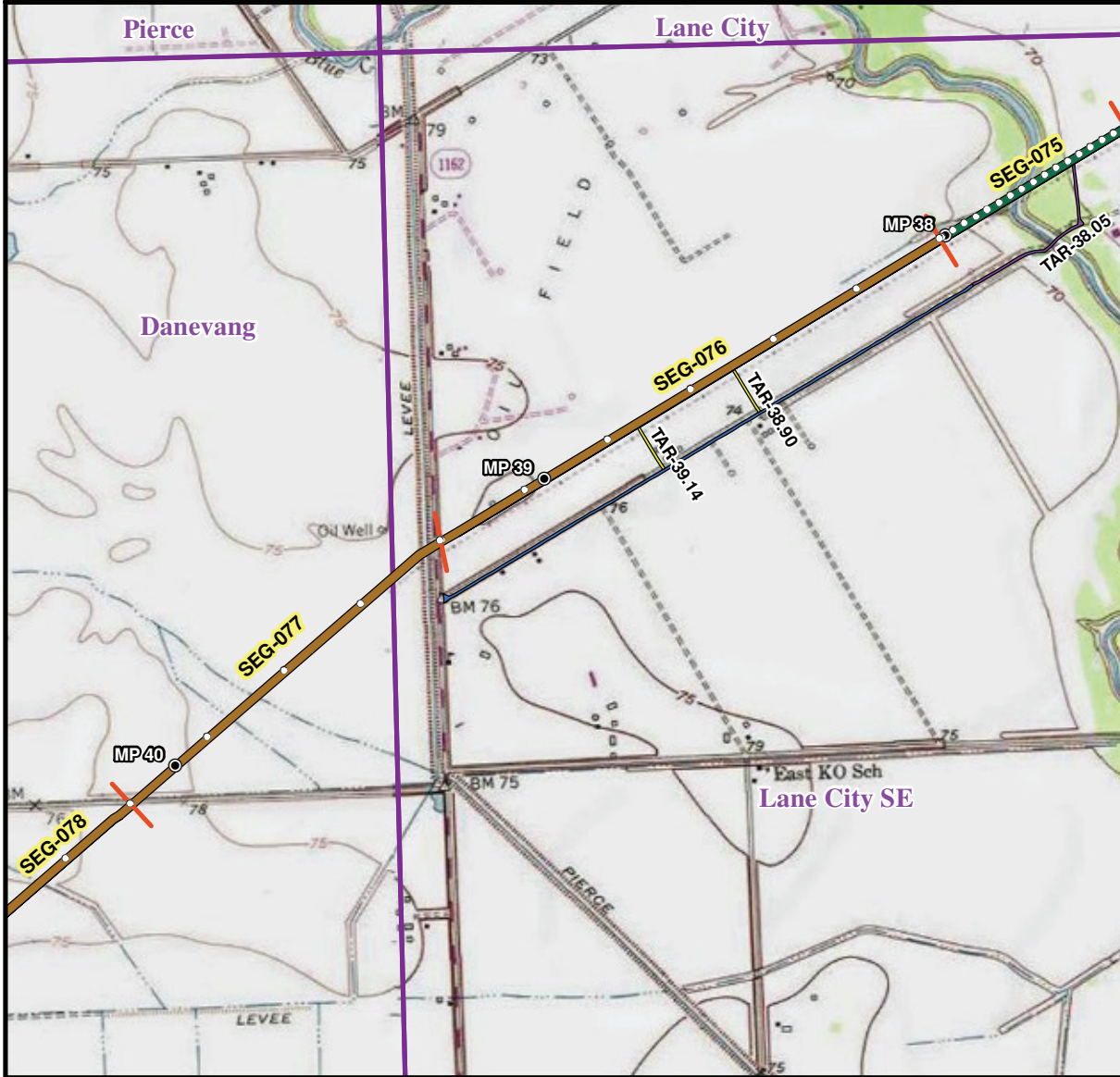
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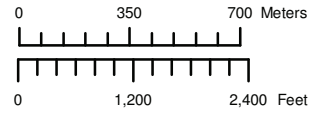
GIS Services and Solutions  
7389 Florida Blvd  
Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads: Pierce, TX  
Lane City, TX  
Lane City SE, TX  
Danevang, TX



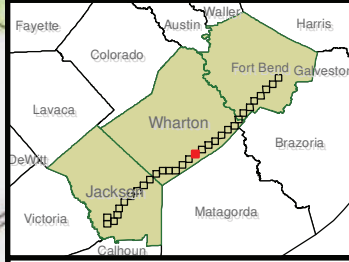
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Wharton County

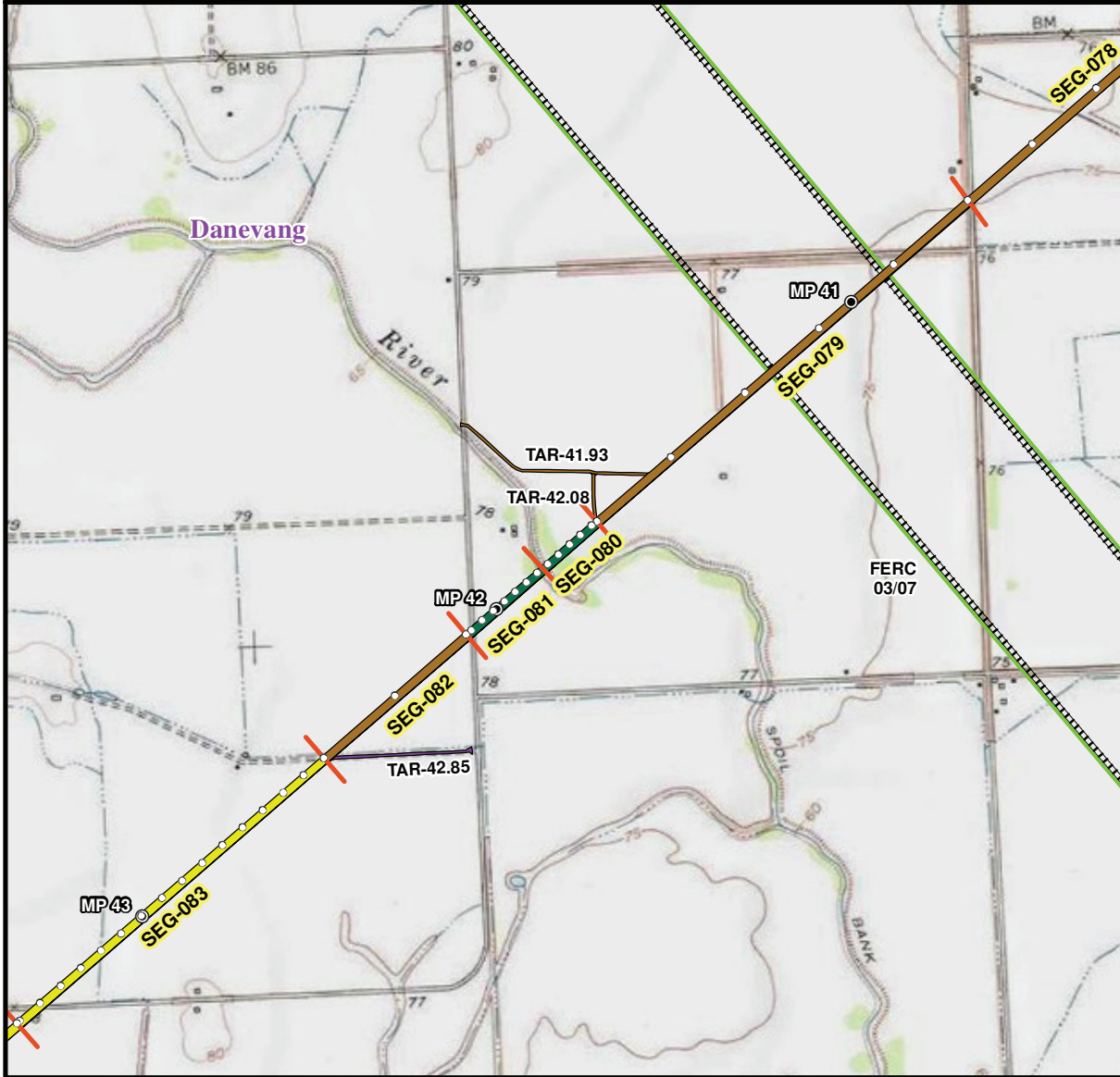
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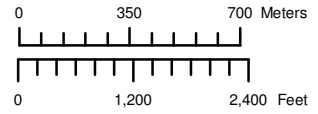
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Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Danevang, TX



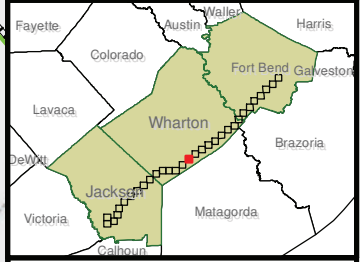
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Wharton County

Texas



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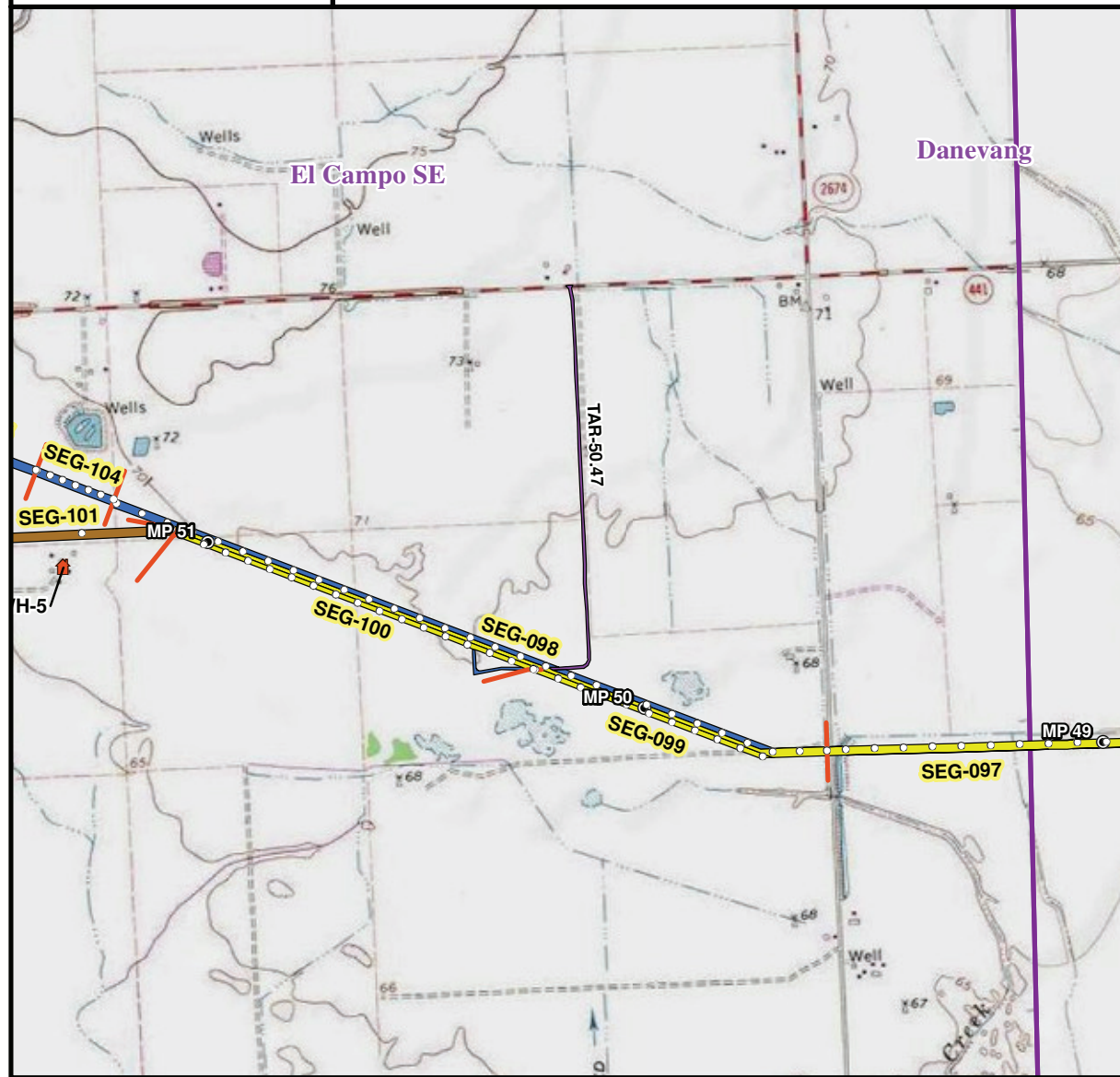
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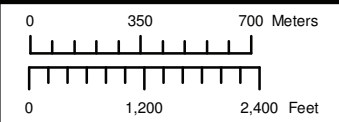
GIS Services and Solutions  
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Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
El Campo SE, TX  
Danevang, TX



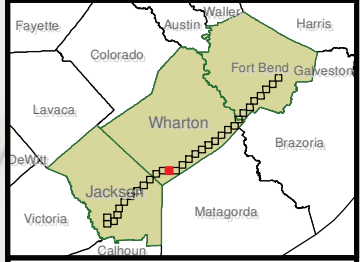
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UTMS Nad 83 Zone 15  
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Wharton County

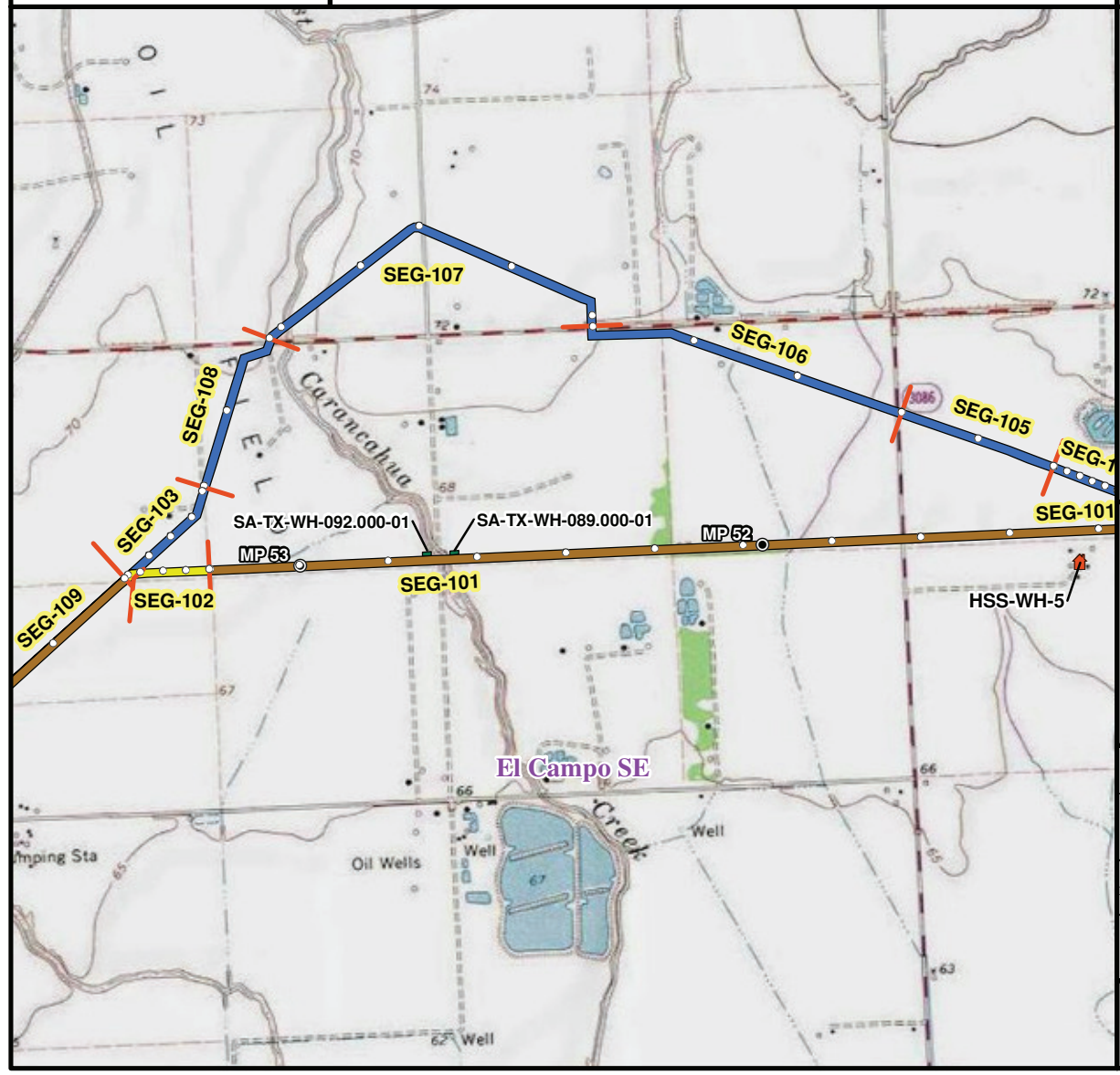
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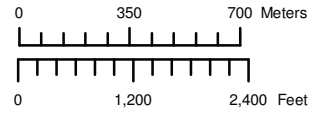
GIS Services and Solutions  
7389 Florida Blvd  
Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

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El Campo SE, TX



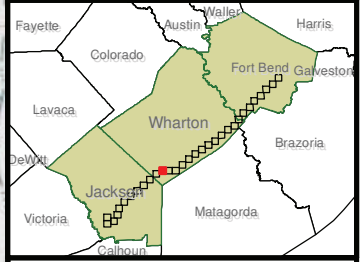
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UTMS Nad 83 Zone 15  
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Wharton County

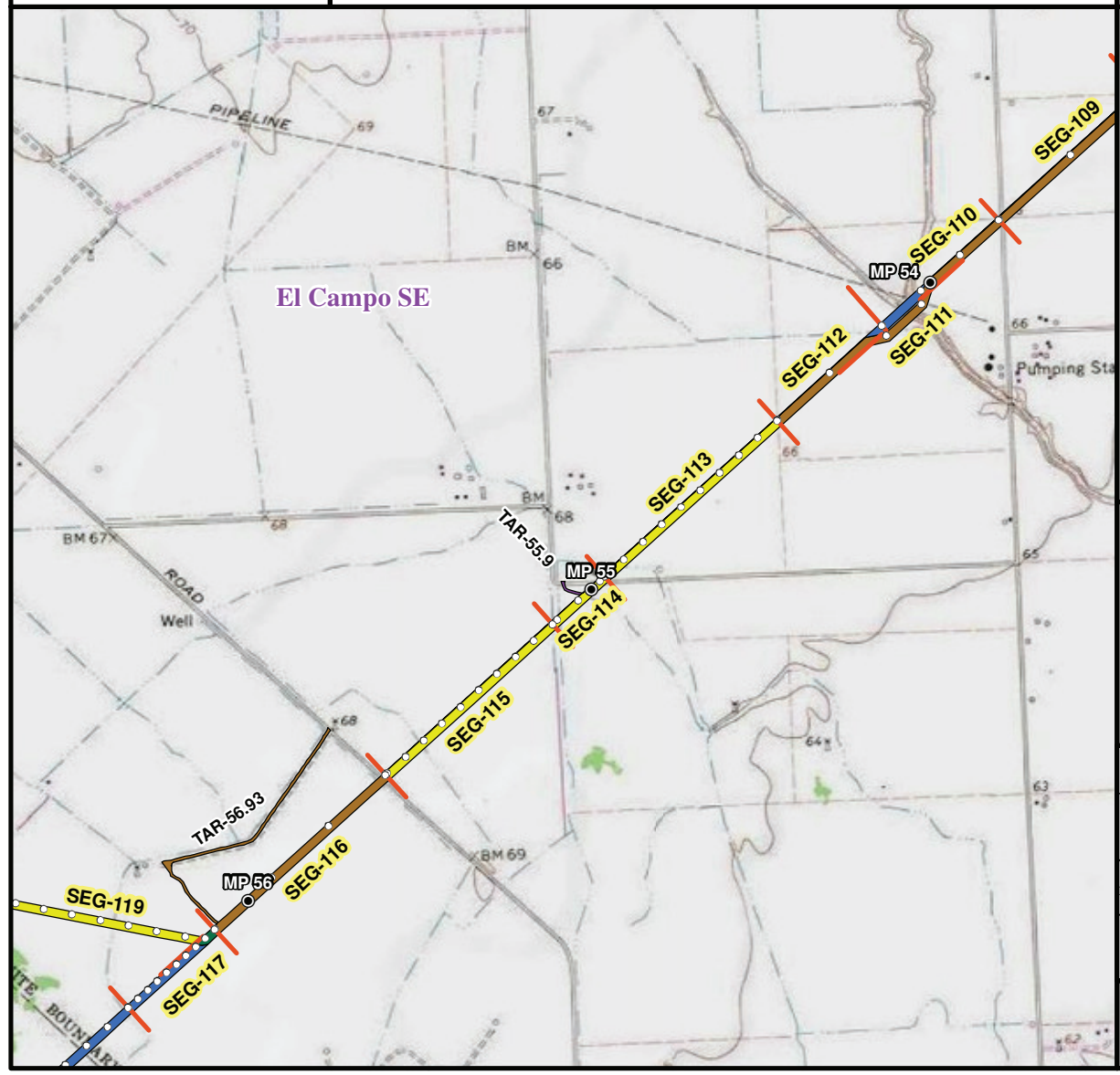
Texas



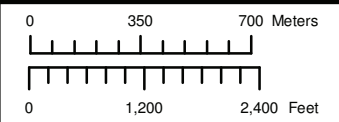
GIS Services and Solutions  
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Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
El Campo SE, TX



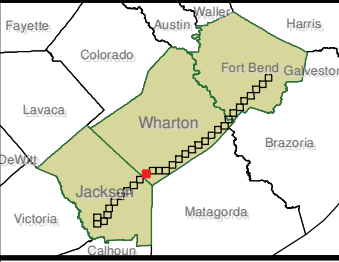
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- Segment Break
- Abandoned Surveyed Area
- High Probability Shovel Testing
- Low Probability Shovel Testing
- Moderate Probability Shovel Testing
- Visual
- Newly Recorded Archaeological Site
- Shovel Test
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- Previously Recorded Archaeological Site
- Previously Recorded Cemetery
- Previously Recorded Historical Marker
- Previously Recorded Survey
- USGS Quad Boundary



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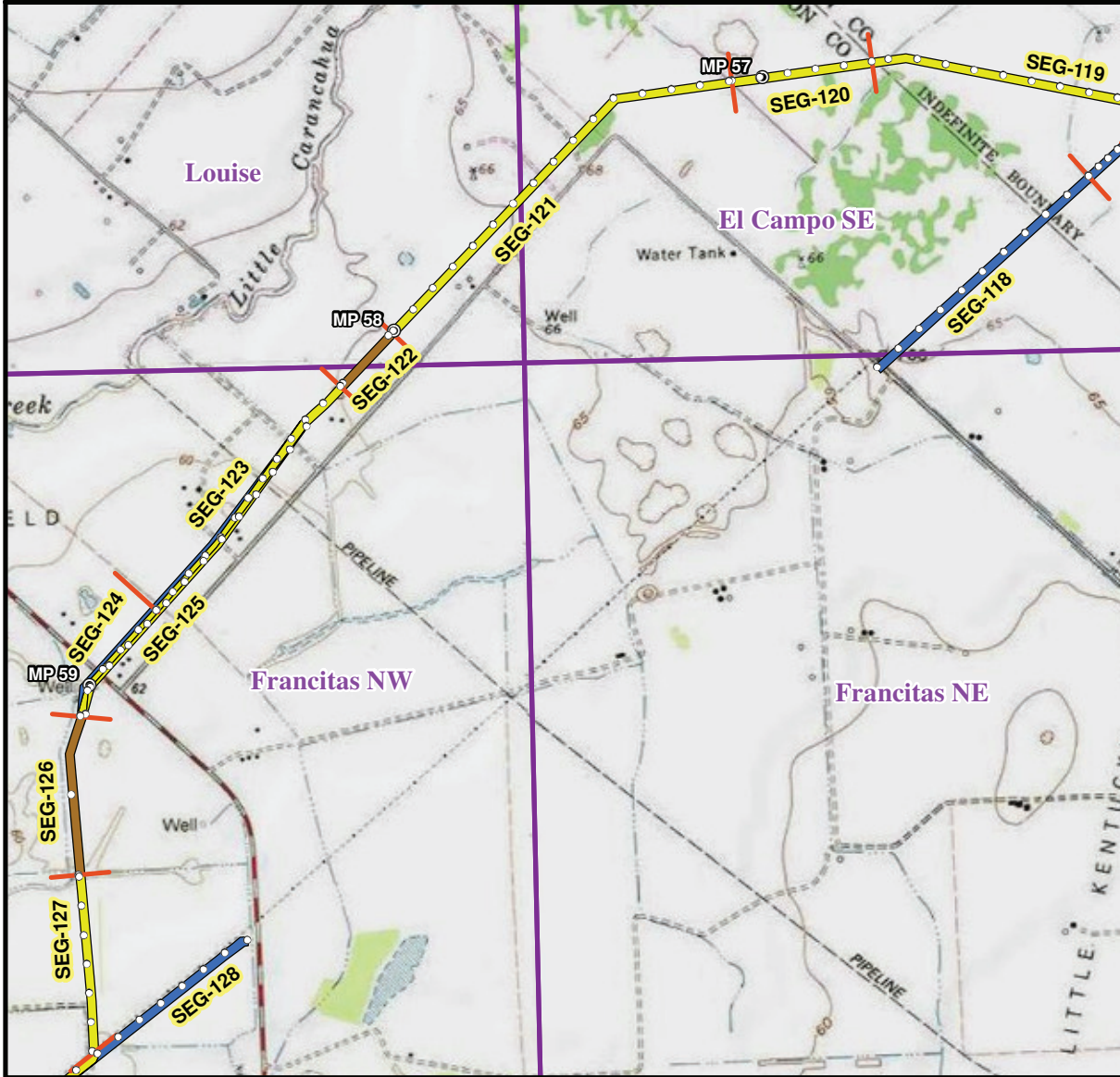
Wharton &  
Jackson County  
Texas



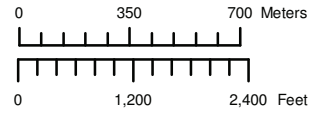
GIS Services and Solutions  
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Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads: Louise, TX  
El Campo SE, TX  
Francitas NE, TX  
Francitas NW, TX



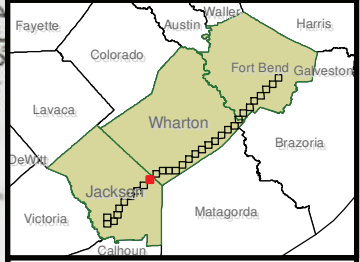
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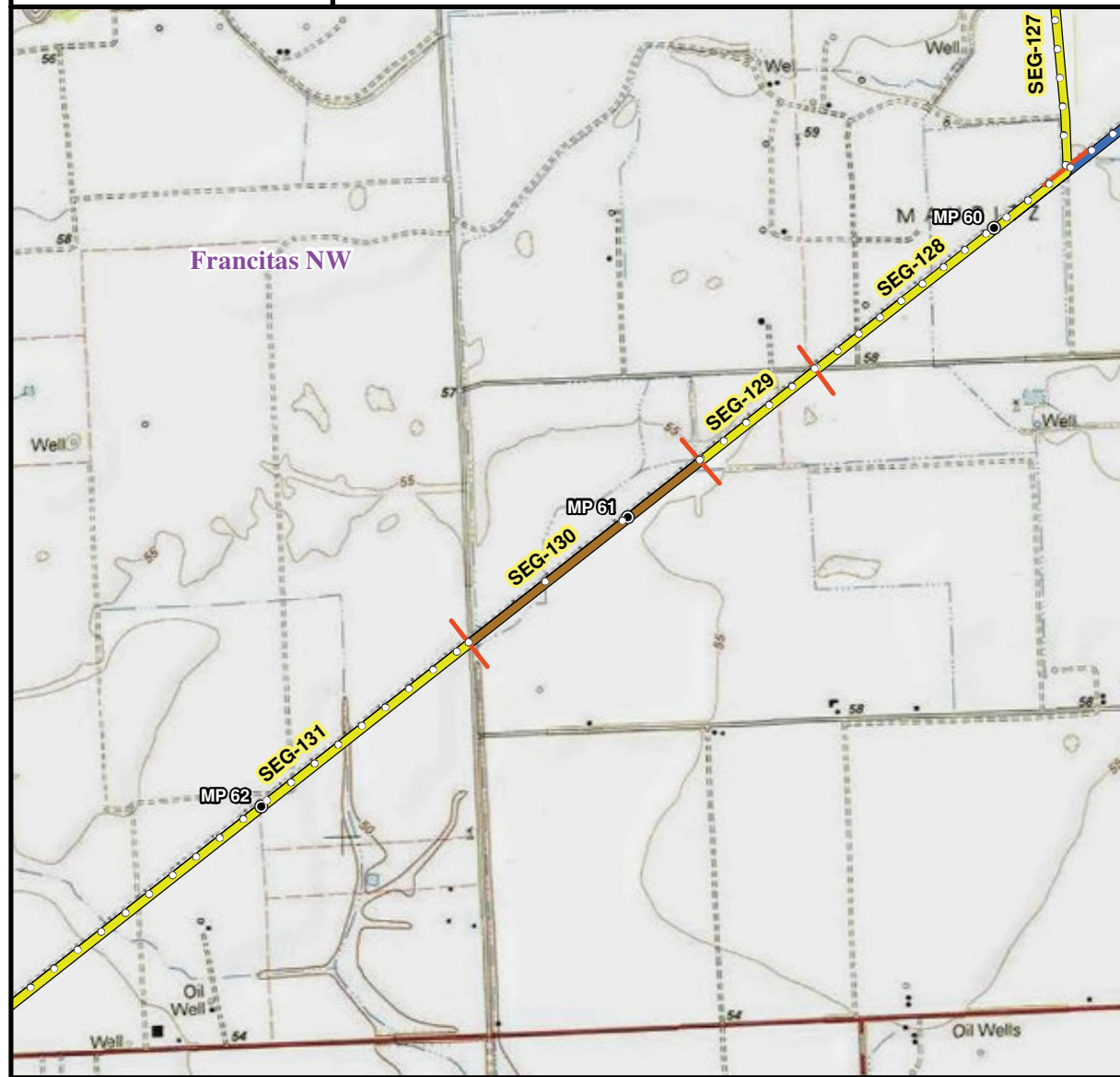
Wharton &  
Jackson County  
Texas



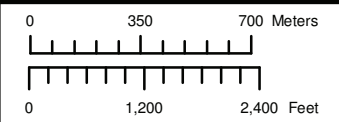
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Baton Rouge, LA 70806  
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# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Francitas NW, TX



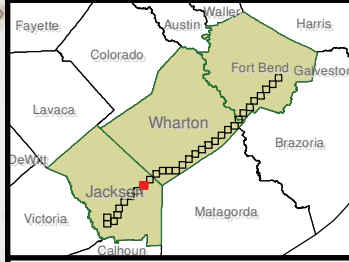
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- Low Probability Shovel Testing
- Moderate Probability Shovel Testing
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UTMS Nad 83 Zone 15  
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Jackson County

Texas



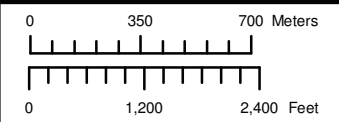
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225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quad:  
Francitas NW, TX



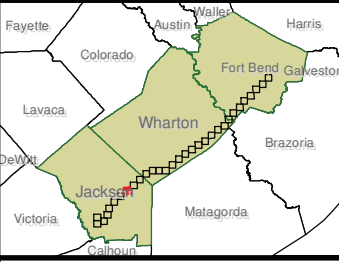
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- Low Probability Shovel Testing
- Moderate Probability Shovel Testing
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UTMS Nad 83 Zone 15  
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Jackson County

Texas





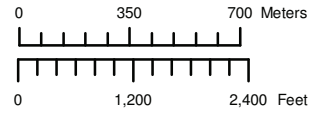
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225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
Manson, TX  
Francitas NW, TX



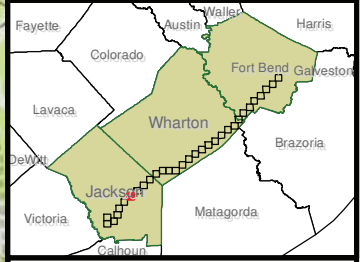
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- Segment Break
- Abandoned Surveyed Area
- High Probability Shovel Testing
- Low Probability Shovel Testing
- Moderate Probability Shovel Testing
- Visual
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UTMS Nad 83 Zone 15  
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Jackson County

Texas

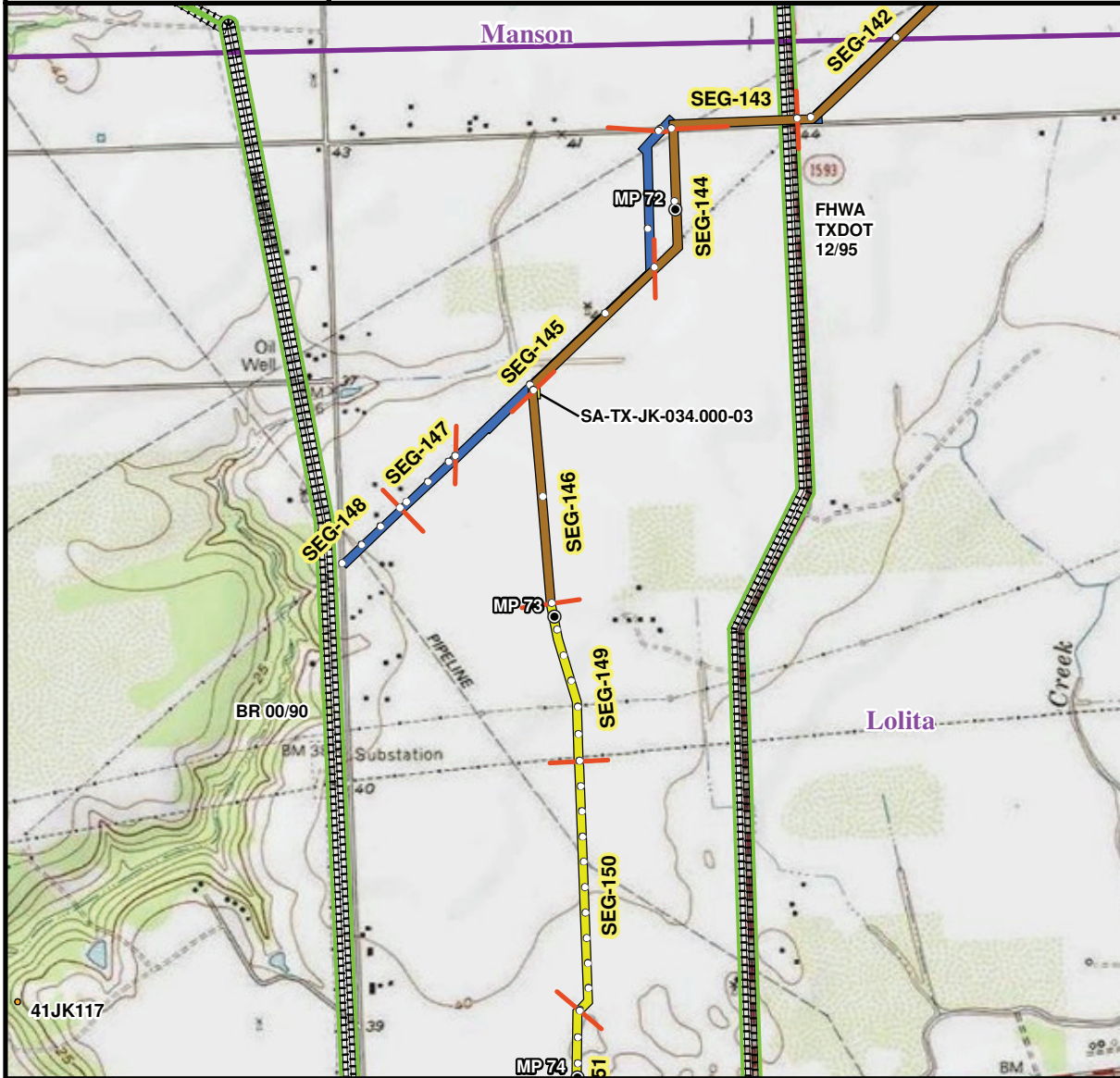
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CONFIDENTIAL INFORMATION**



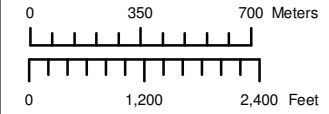
GIS Services and Solutions  
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Baton Rouge, LA 70806  
225/922-5700

# NRG W. A. Parish CO<sub>2</sub> Pipeline

USGS Quads:  
Manson, TX  
Lolita, TX



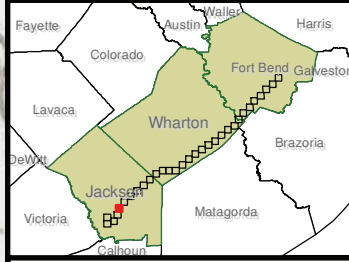
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UTMS Nad 83 Zone 15  
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Jackson County

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**CONFIDENTIAL INFORMATION**

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## **APPENDIX C**

### **Artifact Appendix**

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## NRG Petro Nova - Lithic Artifact Appendix

FS Number	Test Location	Artifact Location	Primary Attributes	Cortex	Completeness	Count and Weight	Comments
<b><i>Site 41JK192</i></b>							
JA-001	N1000 E1000	Surface	Projectile point, Brown chert	Absent	Proximal	1; 5.190 g	Archaic. Patina on outer surfaces. Color can be seen in fresh break.
<b><i>Site 41WH106</i></b>							
WH-047	N1000 E1000	Surface	Projectile point, Brown chert	Absent	Proximal	1; 19.250	Archaic. Patina on outer surfaces. Color can be seen in fresh break.

## NRG Petro Nova - Historic Artifact Appendix

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
<b>Site 41JK193</b>							
JA-002	N1010 E1010	Surface	Hard mud brick	Fragment	Architectural	1; 320.5 g	
JA-003	N990 E1010	Surface	Hard mud brick	Fragment	Architectural	1; 186.022 g	
JA-004	N980 E1010	Surface	Iron bracing support	Fragment	Indeterminate hardware	1	
JA-004	N980 E1010	Surface	Hard mud brick	Fragment	Architectural	2; 32.767 g	
JA-004	N980 E1010	Surface	Plain ironstone	Body and base with foot ring	Kitchen	1	
JA-004	N980 E1010	Surface	Milk glass jar with press molded ribs	Body and base, Machine made	Personal	1	
JA-004	N980 E1010	Surface	Sapphire blue glass from an indeterminate form	Base, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-005	N970 E1010	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
JA-005	N970 E1010	Surface	Porcelain bisque	Figurine, Fragment	Personal	1	Legs
JA-005	N970 E1010	Surface	Hard mud brick	Fragment	Architectural	2; 109.238 g	
JA-006	N960 E1010	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Handle	Kitchen	1	
JA-006	N960 E1010	Surface	Hard-paste porcelain with decalomania	Cup, Body	Kitchen	1	Floral pattern
JA-006	N960 E1010	Surface	Hard mud brick	Fragment	Architectural	2; 133.123 g	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
JA-006	N960 E1010	Surface	Plain ironstone	Plate, Base with foot ring	Kitchen	1	
JA-006	N960 E1010	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
JA-006	N960 E1010	Surface	Solarized manganese glass from an indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	1	
JA-006	N960 E1010	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Rim	Kitchen	1	
JA-007	N950 E1010	Surface	Amber glass from an indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	1	
JA-007	N950 E1010	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
JA-007	N950 E1010	Surface	Aqua bottle with embossing	Body, Indeterminate manufacture	Indeterminate domestic	1	"[ ]AY[ ]/[ ]O [ ]"
JA-007	N950 E1010	Surface	Hard mud brick	Fragment	Architectural	2; 25.26 g	
JA-007	N950 E1010	Surface	Plain ironstone	Flat ware, Rim	Kitchen	1	
JA-007	N950 E1010	Surface	Plain ironstone	Flat ware, Base with foot ring	Kitchen	1	
JA-007	N950 E1010	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	2	
JA-008	N940 E1010	Surface	Plain ironstone with a stamped maker's mark	Flat ware, Base	Kitchen	1	Blurry. "[ ]BR[ ]/[ ]LAND [ ]"
JA-008	N940 E1010	Surface	Plain hard-paste porcelain	Hollow ware, Body and base with foot ring	Kitchen	1	
JA-008	N940 E1010	Surface	Organic, Faunal, Large mammal bone	Fragment	Indeterminate domestic	1; 6.045 g	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
JA-008	N940 E1010	Surface	White glass from an indeterminate form	Body, Blown in an indeterminate mold	Kitchen	1	
JA-008	N940 E1010	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
JA-008	N940 E1010	Surface	Molded ironstone	Plate, Marley and bouge	Kitchen	1	
JA-008	N940 E1010	Surface	Transfer printed ironstone	Hollow ware, Body	Kitchen	1	Indeterminate pattern.
JA-008	N940 E1010	Surface	Plain hard-paste porcelain	Toy saucer, Rim and marley	Activities	1	
JA-008	N940 E1010	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	2	
JA-008	N940 E1010	Surface	Plain ironstone	Flat ware, Flat fragment	Kitchen	2	
JA-008	N940 E1010	Surface	Solarized manganese bottle	Base, Indeterminate manufacture	Indeterminate domestic	1	
JA-008	N940 E1010	Surface	Hard-paste porcelain with decalomania	Flat ware, Rim	Kitchen	1	
JA-008	N940 E1010	Surface	Plain ironstone with a stamped maker's mark	Flat ware, Base	Kitchen	1	On base is "[XTRA QUALI[ ]/[ ]ONSTONE CHINA [ ] // (Lion/Unicorn with crest)"
JA-008	N940 E1010	Surface	Plain ironstone	Plate, Marley and bouge	Kitchen	1	
JA-008	N940 E1010	Surface	Hard mud brick	Fragment	Architectural	2; 46.48 g	
JA-009	N930 E1010	Surface	Hard mud brick	Fragment	Architectural	2; 124.936 g	
JA-009	N930 E1010	Surface	Plain hard-paste porcelain	Indeterminate form, Curved fragment	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
JA-009	N930 E1010	Surface	Milk glass jar	Finish and body, Machine made	Personal	1	Wide mouth external threaded finish
JA-010	N920 E1010	Surface	Hard mud brick	Fragment	Architectural	1; 20.7 g	
JA-010	N920 E1010	Surface	Plain ironstone	Plate, Base with foot ring	Kitchen	1	
JA-010	N920 E1010	Surface	Plain ironstone	Burned, Hollow ware, Rim	Kitchen	1	
JA-010	N920 E1010	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
JA-010	N920 E1010	Surface	Solarized manganese bottle with embossing	Body, Blown in an indeterminate mold	Indeterminate domestic	1	""[ ] BY [ ]// [ ]RBES [ ]// [ ]OTHER & CO[ ]/[ ] LOUIS [ ]"
JA-010	N920 E1010	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
JA-010	N920 E1010	Surface	Plain ironstone	Plate, Rim and marley	Kitchen	1	Molded dots along rim edge
JA-010	N920 E1010	Surface	Plain ironstone	Flat ware, Flat fragment	Kitchen	1	
JA-010	N920 E1010	Surface	Solarized manganese bottle with press molded panels	Body, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-011	N910 E1010	Surface	Embossed milk glass lid	Fragment, Machine made	Indeterminate domestic	1	Scrolls along edge
JA-011	N910 E1010	Surface	Cobalt blue bottle	Shoulder, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-011	N910 E1010	Surface	Light aqua bottle	Base, Machine made with a valve mark	Indeterminate domestic	1	
JA-011	N910 E1010	Surface	Light green bottle	Body, Machine made	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
JA-011	N910 E1010	Surface	Molded hard-paste porcelain	Flat ware, Marley	Kitchen	1	Molded scrolls and dots
JA-011	N910 E1010	Surface	Indeterminate iron form	Fragment	Indeterminate hardware	1	Part of artifact resembles a pipe, but the one end is an open "U" shape with holes in either side to fasten to another piece.
JA-011	N910 E1010	Surface	Hard mud brick	Fragment	Architectural	6; 150.947 g	
JA-012	N900 E1010	Surface	Hard mud brick	Fragment	Architectural	2; 10.007 g	
JA-013	N890 E1010	Surface	Molded ironstone	Plate, Rim and marley	Kitchen	1	Wavy line
JA-013	N890 E1010	Surface	Hard mud brick façade	Fragment	Architectural	1	
JA-014	N1040 E1000	Surface	Colorless bottle	Shoulder, Machine made	Indeterminate domestic	1	
JA-014	N1040 E1000	Surface	Hard mud brick	Fragment	Architectural	2; 230.684 g	
JA-015	N1020 E1000	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
JA-015	N1020 E1000	Surface	Aqua bottle	Base, Blown in a cup bottom mold	Indeterminate domestic	1	
JA-016	N1010 E1000	Surface	Indeterminate iron form	Fragment	Indeterminate hardware	1	
JA-016	N1010 E1000	Surface	Light aqua bottle	Body and base, Indeterminate manufacture	Indeterminate domestic	1	
JA-016	N1010 E1000	Surface	Hard mud brick	Fragment	Architectural	1; 76.255 g	



FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
JA-017	N1000 E1000	Surface	Plain ironstone	Indeterminate form, Flat fragment	Kitchen	1	
JA-017	N1000 E1000	Surface	Hard mud brick	Fragment	Architectural	3; 346.455 g	
JA-018	N990 E1000	Surface	Hard mud brick	Fragment	Architectural	2; 19.735 g	
JA-019	N980 E1000	Surface	Bristol glaze/Albany slip buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
JA-019	N980 E1000	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
JA-019	N980 E1000	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
JA-019	N980 E1000	Surface	Molded hard-paste porcelain	Indeterminate form, Body	Kitchen	1	
JA-019	N980 E1000	Surface	Colorless bottle	Body and base, Owens machine made	Indeterminate domestic	1	
JA-019	N980 E1000	Surface	Light blue bottle	Body and base, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-020	N970 E1000	Surface	Colorless glass from an indeterminate form	Devitrified, Body, Indeterminate manufacture	Indeterminate domestic	1	
JA-020	N970 E1000	Surface	Plain ironstone	Hollow ware, Body	Kitchen	2	
JA-020	N970 E1000	Surface	Colorless bottle	Base, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-020	N970 E1000	Surface	Hard mud brick façade	Fragment	Architectural	2; 54.714 g	
JA-021	N960 E1000	Surface	Blue-tint glazed ironstone	Flat ware, Base	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
JA-021	N960 E1000	Surface	Solarized manganese bottle	Base, Indeterminate manufacture	Indeterminate domestic	1	
JA-021	N960 E1000	Surface	Molded hard-paste porcelain	Flat ware, Rim and marley	Kitchen	1	Plate is geometrically shaped. Possibly with 8 or 12 sides.
JA-021	N960 E1000	Surface	Plain ironstone with a stamped maker's mark	Plate, Base	Kitchen	1	Blurry; possibly part of unicorn with the letters "S" and "T" in their own circles underneath.
JA-021	N960 E1000	Surface	Blue-tint glazed ironstone	Indeterminate form, Body	Kitchen	1	
JA-021	N960 E1000	Surface	Solarized manganese bottle	Body, Blown in an indeterminate mold	Indeterminate domestic	3	
JA-021	N960 E1000	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
JA-021	N960 E1000	Surface	Light green glass from an indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	1	
JA-021	N960 E1000	Surface	Hard mud brick façade	Fragment	Architectural	7; 132.408 g	
JA-022	N950 E1000	Surface	Plain ironstone	Hollow ware, Body	Kitchen	2	
JA-022	N950 E1000	Surface	Blue-tint glazed ironstone	Indeterminate form, Fragment	Kitchen	1	
JA-022	N950 E1000	Surface	Sapphire blue glass from an indeterminate form	Base with foot ring, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-022	N950 E1000	Surface	Plain ironstone	Flat ware, Rim	Kitchen	1	
JA-022	N950 E1000	Surface	Plain ironstone	Hollow ware, Rim	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
JA-022	N950 E1000	Surface	Plain hard-paste porcelain	Saucer, Base with foot ring	Kitchen	1	
JA-022	N950 E1000	Surface	Plain ironstone	Flat ware, Marley and bouge	Kitchen	1	
JA-022	N950 E1000	Surface	Solarized manganese glass from an indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	1	
JA-022	N950 E1000	Surface	Bristol glazed buff-bodied stoneware	Indeterminate form, Curved fragment	Kitchen	1	
JA-022	N950 E1000	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
JA-022	N950 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	1	
JA-022	N950 E1000	Surface	Hard mud brick	Fragment	Architectural	7; 259.848 g	
JA-022	N950 E1000	Surface	Hard mud brick façade	Fragment	Architectural	3; 142.145 g	
JA-022	N950 E1000	Surface	Blue-tint glazed ironstone	Flat ware, Marley and bouge	Kitchen	1	
JA-022	N950 E1000	Surface	Light aqua bottle	Body, Machine made	Indeterminate domestic	1	
JA-022	N950 E1000	Surface	Plain ironstone	Hollow ware, Body and base	Kitchen	1	
JA-023	N940 E1000	Surface	Solarized manganese bottle	Devitrified, Body, Indeterminate manufacture	Indeterminate domestic	3	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
JA-023	N940 E1000	Surface	Milk glass jar with embossing	Body and base, Machine made	Personal	1	"[ ]TENN[ ]"
JA-023	N940 E1000	Surface	Aqua bottle with embossing	Base, Blown in an indeterminate mold	Indeterminate domestic	1	"8" in a circle
JA-023	N940 E1000	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Rim and body	Kitchen	1	
JA-023	N940 E1000	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
JA-023	N940 E1000	Surface	Hard-paste porcelain with decalomania	Hollow ware, Body	Kitchen	1	Floral pattern; polychrome
JA-023	N940 E1000	Surface	Indeterminate iron form	Flat fragment	Indeterminate hardware	1	
JA-023	N940 E1000	Surface	Embossed milk glass lid liner	Fragment, Machine made	Kitchen	1	"BOY[ ]"; Boyd's lid liner
JA-023	N940 E1000	Surface	Amber glass from an indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	1	
JA-023	N940 E1000	Surface	Hard mud brick façade	Fragment	Architectural	3; 122.879 g	
JA-023	N940 E1000	Surface	Hard mud brick	Fragment	Architectural	10; 115.26 g	
JA-023	N940 E1000	Surface	Plain ironstone	Hollow ware, Rim and body	Kitchen	1	
JA-023	N940 E1000	Surface	Light blue glass from indeterminate form with press molded panels	Devitrified, Body, Indeterminate manufacture	Indeterminate domestic	1	
JA-023	N940 E1000	Surface	Plain hard-paste porcelain	Flat ware, Rim	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
JA-024	N930 E1000	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
JA-024	N930 E1000	Surface	Clay marble	Complete	Activities	1	Handmade
JA-024	N930 E1000	Surface	Plain ironstone	Plate, Rim and marley	Kitchen	1	
JA-024	N930 E1000	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
JA-024	N930 E1000	Surface	Plain whiteware	Indeterminate form, Flat fragment	Kitchen	1	
JA-024	N930 E1000	Surface	Solarized manganese bottle	Neck, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-024	N930 E1000	Surface	Milk glass jar	Body, Machine made	Personal	1	
JA-024	N930 E1000	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
JA-024	N930 E1000	Surface	Plain ironstone	Plate, Marley and bouge	Kitchen	1	
JA-024	N930 E1000	Surface	Hard mud brick façade	Fragment	Architectural	2; 79.862 g	
JA-024	N930 E1000	Surface	Hard mud brick	Fragment	Architectural	2; 22.385 g	
JA-025	N920 E1000	Surface	Amber glass from an indeterminate form	Fragment, Indeterminate manufacture	Indeterminate domestic	1	
JA-025	N920 E1000	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
JA-025	N920 E1000	Surface	Hard mud brick	Fragment	Architectural	3; 78.23 g	
JA-025	N920 E1000	Surface	Hard mud brick façade	Fragment	Architectural	6; 252.335 g	
JA-025	N920 E1000	Surface	Light aqua bottle	Shoulder, Blown in an indeterminate mold	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
JA-025	N920 E1000	Surface	Solarized selenium chimney glass	Base, Machine made	Activities	1	
JA-026	N910 E1000	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
JA-026	N910 E1000	Surface	Plain ironstone	Hollow ware, Rim	Kitchen	1	
JA-026	N910 E1000	Surface	Indeterminate iron form	Fragment	Indeterminate hardware	1	Cone shaped with square opening at smaller end.
JA-026	N910 E1000	Surface	Hard mud brick façade	Fragment	Architectural	1; 73.43 g	
JA-027	N900 E1000	Surface	Indeterminate iron form	Fragment	Indeterminate hardware	1	L-shaped. One end has a circular opening.
JA-027	N900 E1000	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
JA-027	N900 E1000	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
JA-027	N900 E1000	Surface	Ironstone with decalomania	Plate, Marley	Kitchen	1	Floral pattern; color is almost gone; polychrome
JA-027	N900 E1000	Surface	Milk glass jar	Body, Machine made	Personal	1	
JA-027	N900 E1000	Surface	Hard mud brick	Fragment	Architectural	1; 7.215 g	
JA-027	N900 E1000	Surface	Solarized manganese glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
JA-027	N900 E1000	Surface	Iron lid	Complete	Miscellaneous	1	
JA-028	N890 E1000	Surface	Solarized manganese bottle	Tooled patent finish/neck, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-028	N890 E1000	Surface	Hard mud brick façade	Fragment	Architectural	2; 54.965 g	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
JA-029	N1020 E990	Surface	Light blue bottle	Body, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-030	N1000 E990	Surface	Iron bracket	Fragment	Indeterminate hardware	1	
JA-030	N1000 E990	Surface	Solarized manganese bottle	Body, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-031	N990 E990	Surface	Iron plug	Fragment	Indeterminate hardware	1	
JA-031	N990 E990	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
JA-032	N980 E990	Surface	Plain ironstone	Hollow ware, Body and base	Kitchen	1	
JA-032	N980 E990	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
JA-033	N970 E990	Surface	Solarized selenium glass from an indeterminate form	Flat fragment, Machine made	Indeterminate domestic	1	
JA-033	N970 E990	Surface	Light aqua bottle	Tooled patent finish, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-033	N970 E990	Surface	Amber bottle	Base, Machine made in a post mold	Indeterminate domestic	1	
JA-033	N970 E990	Surface	Bright green drinking glass with press molded panels	Body, Machine made	Kitchen	1	
JA-033	N970 E990	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
JA-033	N970 E990	Surface	Hard mud brick façade	Fragment	Architectural	1; 63.36 g	
JA-033	N970 E990	Surface	Colorless glass from an indeterminate form	Devitrified, Body, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-033	N970 E990	Surface	Stamped hard mud brick	Fragment	Architectural	1	"[ ]XIA"
JA-033	N970 E990	Surface	Hard mud brick	Fragment	Architectural	3; 124.504 g	
JA-034	N960 E990	Surface	Hard mud brick façade	Fragment	Architectural	3; 154.323 g	
JA-034	N960 E990	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
JA-034	N960 E990	Surface	Iron rod	Fragment	Indeterminate hardware	1	
JA-034	N960 E990	Surface	Hard mud brick	Fragment	Architectural	2; 12.801 g	
JA-034	N960 E990	Surface	Colorless bottle	Body and base, Blown in an indeterminate mold	Kitchen	1	
JA-035	N950 E990	Surface	Hard mud brick façade	Fragment	Architectural	1; 50.65 g	
JA-035	N950 E990	Surface	Iron railroad spike	Fragment	Architectural	1	
JA-035	N950 E990	Surface	Hard mud brick	Fragment	Architectural	3; 44.57 g	
JA-036	N940 E990	Surface	Indeterminate iron form	Fragment	Miscellaneous	1	
JA-036	N940 E990	Surface	Plain hard-paste porcelain	Hollow ware, Rim	Kitchen	1	
JA-036	N940 E990	Surface	Plain ironstone	Plate, Marley and bouge	Kitchen	1	



FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
JA-036	N940 E990	Surface	Indeterminate iron hardware	Fragment	Miscellaneous	1	Large ring. Approximately 3.5" in diameter.
JA-036	N940 E990	Surface	Solarized manganese glass from an indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	2	
JA-036	N940 E990	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
JA-036	N940 E990	Surface	Light blue bottle	Neck, Indeterminate manufacture	Indeterminate domestic	1	
JA-036	N940 E990	Surface	Bristol glaze/Albany slip buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
JA-036	N940 E990	Surface	Plain ironstone	Plate, Bouge	Kitchen	1	
JA-036	N940 E990	Surface	Hard mud brick	Fragment	Architectural	5; 211.982 g	
JA-036	N940 E990	Surface	Colorless bottle	Body, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-036	N940 E990	Surface	Hard mud brick façade	Fragment	Architectural	4; 156.936 g	
JA-037	N930 E990	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
JA-037	N930 E990	Surface	Solarized manganese glass from an indeterminate form	Base, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-037	N930 E990	Surface	Solarized manganese glass from an indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	1	
JA-037	N930 E990	Surface	Hard mud brick	Fragment	Architectural		

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
JA-037	N930 E990	Surface	Bristol glaze/Albany slip buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
JA-037	N930 E990	Surface	Plain ironstone	Flat ware, Flat fragment	Kitchen	1	
JA-037	N930 E990	Surface	Bristol glazed buff-bodied stoneware	Crock, Rim	Kitchen	1	
JA-037	N930 E990	Surface	Light aqua glass from an indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	4	
JA-037	N930 E990	Surface	Sapphire blue glass from an indeterminate form	Rim, Indeterminate manufacture	Indeterminate domestic	1	
JA-037	N930 E990	Surface	Light aqua bottle	Body, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-037	N930 E990	Surface	Solarized selenium glass from an indeterminate form	Base, Machine made	Indeterminate domestic	1	Thick
JA-037	N930 E990	Surface	Hard mud brick façade	Fragment	Architectural	4; 262.139 g	
JA-037	N930 E990	Surface	Light aqua bottle	Body, Blown in an indeterminate mold	Indeterminate domestic	1	"[ ] PRE[ ] // [ ]CIC[ ]//[ ]O[ ]"
JA-038	N920 E990	Surface	Solarized manganese bottle	Base, Machine made with a valve mark	Indeterminate domestic	1	
JA-038	N920 E990	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
JA-038	N920 E990	Surface	Plain ironstone	Plate, Marley and bouge	Kitchen	1	
JA-038	N920 E990	Surface	Plain ironstone	Flat ware, Rim and marley	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
JA-038	N920 E990	Surface	Light green bottle with stippling	Base, Machine made	Kitchen	1	
JA-038	N920 E990	Surface	Hard mud brick	Fragment	Architectural	2; 279.443 g	
JA-038	N920 E990	Surface	Iron wheel	Complete	Miscellaneous	1	Approximately 2-3/8" in diameter.
JA-038	N920 E990	Surface	Solarized manganese bottle	Body, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-038	N920 E990	Surface	Sapphire blue glass from an indeterminate form with press molded ribs	Body, Machine made	Indeterminate domestic	1	
JA-038	N920 E990	Surface	Light aqua bottle	Body, Indeterminate manufacture	Indeterminate domestic	1	
JA-038	N920 E990	Surface	Indeterminate iron form	Fragment	Miscellaneous	1	Roughly rectangular in shape with a nail(?) hole in one end
JA-038	N920 E990	Surface	Solarized selenium glass from an indeterminate form	Flat fragment, Machine made	Indeterminate domestic	1	
JA-038	N920 E990	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
JA-038	N920 E990	Surface	Solarized manganese bottle	Tooled double ring finish/neck, Blown in an indeterminate mold	Indeterminate domestic	1	
JA-038	N920 E990	Surface	Hard mud brick façade	Fragment	Architectural	6; 148.552 g	
JA-039	N910 E990	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
JA-039	N910 E990	Surface	Hard mud brick façade	Fragment	Architectural	3; 117.48 g	
JA-039	N910 E990	Surface	Light blue window glass	Flat fragment, Machine made	Architectural	1	
JA-039	N910 E990	Surface	Solarized manganese bottle	Body, Indeterminate manufacture	Indeterminate domestic	2	
JA-039	N910 E990	Surface	Light aqua bottle	Body, Machine made	Indeterminate domestic	1	
JA-039	N910 E990	Surface	Hard mud brick	Fragment	Architectural	1; 25.42 g	
JA-040	N900 E990	Surface	Solarized manganese bottle	Body, Blown in an indeterminate mold	Indeterminate domestic	1	Indeterminate embossed letter/number
JA-040	N900 E990	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
JA-040	N900 E990	Surface	Hard mud brick façade	Fragment	Architectural	1; 80.552 g	
JA-040	N900 E990	Surface	Hard mud brick	Fragment	Architectural	2; 72.815 g	
<b>Site 41WH103</b>							
WH-001	N1000 E1010	Surface	Colorless bottle	Double ring finish, Machine made	Indeterminate domestic	1	
WH-001	N1000 E1010	Surface	Light blue bottle with embossing	Body, Machine made	Indeterminate domestic	1	
WH-001	N1000 E1010	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
WH-001	N1000 E1010	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	10	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-001	N1000 E1010	Surface	Light blue glass from indeterminate form, Melted	Fragment, Indeterminate manufacture	Miscellaneous	2	
WH-001	N1000 E1010	Surface	Light green glass from an indeterminate form	Flat fragment, Machine made	Indeterminate domestic	1	
WH-001	N1000 E1010	Surface	Milk glass jar	Body and base, Machine made	Personal	1	
WH-001	N1000 E1010	Surface	Hard-paste porcelain with panels	Burned, Flat ware, Base	Kitchen	1	
WH-001	N1000 E1010	Surface	Light green bottle	Body, Machine made	Kitchen	1	
WH-001	N1000 E1010	Surface	Amber bottle	Base, Machine made	Indeterminate domestic	1	
WH-001	N1000 E1010	Surface	Light blue bottle	Base, Machine made	Kitchen	1	
WH-001	N1000 E1010	Surface	Solarized manganese bottle	Body and base, Owens machine made	Kitchen	1	
WH-001	N1000 E1010	Surface	White glass flatware	Marley, Machine made	Kitchen	1	
WH-001	N1000 E1010	Surface	Light green jar	Wide mouth threaded finish, Machine made	Kitchen	1	
WH-001	N1000 E1010	Surface	Colorless bottle	Body and base, Machine made	Indeterminate domestic	1	
WH-001	N1000 E1010	Surface	Colorless bottle	Base, Machine made	Indeterminate domestic	1	
WH-001	N1000 E1010	Surface	Colorless glass from an indeterminate form with internal fractures	Curved fragment, Indeterminate manufacture	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-001	N1000 E1010	Surface	Milk glass lid liner	Fragment, Machine made	Kitchen	2	
WH-001	N1000 E1010	Surface	Solarized manganese glass from an indeterminate form	Fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-001	N1000 E1010	Surface	Plain porcelaneous stoneware	Burned, Hollow ware, Body and base	Kitchen	1	
WH-001	N1000 E1010	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
WH-001	N1000 E1010	Surface	Plain ironstone	Large plate or platter, Rim and marley	Kitchen	1	
WH-001	N1000 E1010	Surface	White glass cup with press molded ribs	Body and base with handle, Machine made	Kitchen	1	
WH-001	N1000 E1010	Surface	Colorless bottle	Small mouth threaded finish, Machine made	Indeterminate domestic	1	
WH-001	N1000 E1010	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	6	
WH-001	N1000 E1010	Surface	Refined white-bodied earthenware with an indeterminate decoration	Burned, Flat ware, Rim	Kitchen	1	Green band along rim
WH-001	N1000 E1010	Surface	Ironstone with an indeterminate decorative style	Hollow ware, Body	Kitchen	1	Indeterminate green pattern.
WH-001	N1000 E1010	Surface	Ironstone with decalomania	Flat ware, Marley	Kitchen	1	Polychrome
WH-001	N1000 E1010	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	6	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-001	N1000 E1010	Surface	Hard mud brick	Fragment	Architectural	10; 61.785 g	
WH-001	N1000 E1010	Surface	Colorless glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Miscellaneous	6	
WH-001	N1000 E1010	Surface	Blue-tint glazed ironstone	Flat ware, Base with foot ring	Kitchen	1	
WH-001	N1000 E1010	Surface	Milk glass from an indeterminate form with press molded ribs	Body, Machine made	Indeterminate domestic	1	
WH-001	N1000 E1010	Surface	Light green glass from an indeterminate form with embossing	Body, Machine made	Indeterminate domestic	1	
WH-001	N1000 E1010	Surface	Light green glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Miscellaneous	4	
WH-001	N1000 E1010	Surface	Hard mud brick	Fragment	Architectural	2; 2.681 g	
WH-001	N1000 E1010	Surface	Molded ironstone	Flat ware, Rim	Kitchen	1	
WH-001	N1000 E1010	Surface	Plain ironstone	Cup, Rim and body	Kitchen	1	
WH-002	N990 E1010	Surface	Plain ironstone	Indeterminate form, Flat fragment	Kitchen	6	
WH-002	N990 E1010	Surface	Amber glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Miscellaneous	2	
WH-002	N990 E1010	Surface	Milk glass lid liner	Fragment, Machine made	Kitchen	1	
WH-002	N990 E1010	Surface	Cobalt blue jar	Shoulder, Machine made	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-002	N990 E1010	Surface	Plain ironstone	Indeterminate form, Curved fragment	Kitchen	2	
WH-002	N990 E1010	Surface	Colorless jar	Wide mouth threaded finish, Machine made	Kitchen	1	
WH-002	N990 E1010	Surface	Milk glass jar	Body, Machine made	Personal	1	
WH-002	N990 E1010	Surface	Milk glass jar	Body and base, Machine made	Personal	1	
WH-002	N990 E1010	Surface	Light blue glass from indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	2	
WH-002	N990 E1010	Surface	Light green glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	1	
WH-002	N990 E1010	Surface	Cobalt blue jar	Base, Machine made	Indeterminate domestic	1	
WH-002	N990 E1010	Surface	Light aqua glass from an indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-002	N990 E1010	Surface	Solarized manganese jar	Wide mouth threaded finish, Machine made	Kitchen	1	
WH-002	N990 E1010	Surface	Plain porcelaneous stoneware	Burned, Hollow ware, Body	Kitchen	1	
WH-002	N990 E1010	Surface	Plain ironstone	Flat ware, Rim	Kitchen	1	
WH-002	N990 E1010	Surface	Plain ironstone	Flat ware, Bouge and base with foot ring	Kitchen	1	
WH-002	N990 E1010	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	14	



FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-002	N990 E1010	Surface	Embossed colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	1	
WH-002	N990 E1010	Surface	Colorless glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Miscellaneous	3	
WH-002	N990 E1010	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	12	
WH-002	N990 E1010	Surface	Solarized manganese glass from an indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	2	
WH-002	N990 E1010	Surface	Bristol glaze/Albany slip buff-bodied stoneware	Hollow ware, Body	Kitchen	2	
WH-002	N990 E1010	Surface	Hard mud brick	Fragment	Architectural	7; 62.325 g	
WH-002	N990 E1010	Surface	Cobalt blue jar	Body, Machine made	Indeterminate domestic	4	
WH-002	N990 E1010	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	4	
WH-003	N980 E1010	Surface	Plain refined white-bodied earthenware	Burned, Flat ware, Base	Kitchen	1	
WH-003	N980 E1010	Surface	Colorless bottle	Small mouth threaded finish, Machine made	Indeterminate domestic	1	
WH-003	N980 E1010	Surface	Plain ironstone	Flat ware, Base	Kitchen	2	
WH-003	N980 E1010	Surface	Colorless bottle	Indeterminate finish type, Indeterminate manufacture	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-003	N980 E1010	Surface	Light aqua window glass, melted	Fragment, Indeterminate manufacture	Miscellaneous	1	
WH-003	N980 E1010	Surface	Bristol glaze/Albany slip buff-bodied stoneware	Hollow ware, Body	Kitchen	2	
WH-003	N980 E1010	Surface	Indeterminate iron form	Flat fragment	Indeterminate hardware	1	
WH-003	N980 E1010	Surface	Hard mud brick	Fragment	Architectural	1; 8.003 g	
WH-003	N980 E1010	Surface	Colorless bottle with stippling	Body, Machine made	Indeterminate domestic	1	
WH-003	N980 E1010	Surface	Cobalt blue jar	Body, Machine made	Indeterminate domestic	2	
WH-003	N980 E1010	Surface	Plain ironstone	Flat ware, Rim	Kitchen	2	
WH-003	N980 E1010	Surface	Hard mud brick	Fragment	Architectural	6; 78.9 g	
WH-003	N980 E1010	Surface	Light green glass from an indeterminate form	Flat fragment, Machine made	Indeterminate domestic	2	Thick
WH-003	N980 E1010	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
WH-003	N980 E1010	Surface	Light aqua glass from an indeterminate form with embossing	Body, Machine made	Indeterminate domestic	1	
WH-003	N980 E1010	Surface	Glazed redware	Hollow ware, Body	Kitchen	1	Lead glaze on exterior; thick white glaze on interior
WH-003	N980 E1010	Surface	Sapphire blue glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-003	N980 E1010	Surface	Light green bottle	Base, Indeterminate manufacture	Indeterminate domestic	1	
WH-003	N980 E1010	Surface	Light blue glass from indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	3	
WH-003	N980 E1010	Surface	Milk glass lid liner	Fragment, Machine made	Kitchen	1	
WH-003	N980 E1010	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	12	
WH-003	N980 E1010	Surface	Solarized manganese glass from an indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-003	N980 E1010	Surface	Molded ironstone	Flat ware, Marley and bouge	Kitchen	1	
WH-003	N980 E1010	Surface	Plain ironstone	Hollow ware, Body	Kitchen	3	
WH-003	N980 E1010	Surface	Milk glass from an indeterminate form	Flat fragment, Indeterminate manufacture	Indeterminate domestic	3	
WH-004	N970 E1010	Surface	Plain ironstone	Flat ware, Bouge and base with foot ring	Kitchen	1	
WH-004	N970 E1010	Surface	Cobalt blue medicine jar	Body, Machine made	Personal	2	
WH-004	N970 E1010	Surface	Light blue glass from indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	2	
WH-004	N970 E1010	Surface	Light aqua glass from an indeterminate form	Neck, Indeterminate manufacture	Indeterminate domestic	1	
WH-004	N970 E1010	Surface	Milk glass jar	Body and base, Machine made	Personal	2	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-004	N970 E1010	Surface	Coarse earthenware drain pipe	Fragment	Architectural	1	
WH-004	N970 E1010	Surface	Hard mud brick	Fragment	Architectural	2; 5.97 g	
WH-004	N970 E1010	Surface	Hard mud brick	Fragment	Architectural	2; 30.27 g	
WH-004	N970 E1010	Surface	Cobalt blue medicine jar with embossing	Body and base, Machine made	Personal	1	Probably Vicks jar
WH-004	N970 E1010	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	5	
WH-004	N970 E1010	Surface	Colorless bottle	Small mouth threaded finish, Machine made	Indeterminate domestic	1	
WH-004	N970 E1010	Surface	Plain ironstone	Flat ware, Rim	Kitchen	2	
WH-004	N970 E1010	Surface	Cut nail	Fragment	Architectural	1	
WH-004	N970 E1010	Surface	Light aqua jar	Ground rim, Indeterminate manufacture	Kitchen	1	
WH-004	N970 E1010	Surface	Milk glass jar	Body, Machine made	Personal	1	
WH-005	N960 E1010	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	5	
WH-005	N960 E1010	Surface	Hard mud brick	Fragment	Architectural	3; 16.061 g	
WH-005	N960 E1010	Surface	Aqua jar	Wide mouth threaded finish, Machine made	Kitchen	1	
WH-005	N960 E1010	Surface	Cobalt blue bottle	Body, Blown in an indeterminate mold	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-005	N960 E1010	Surface	White glass from an indeterminate form	Fragment, Machine made	Indeterminate domestic	1	
WH-005	N960 E1010	Surface	Plain ironstone	Indeterminate form, Curved fragment	Kitchen	3	
WH-005	N960 E1010	Surface	Solarized manganese glass from an indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-005	N960 E1010	Surface	Scallop edged ironstone	Flat ware, Rim and marley	Kitchen	1	
WH-005	N960 E1010	Surface	Porcelain bisque	Figurine, Head and torso	Personal	1	
WH-005	N960 E1010	Surface	Amber glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Miscellaneous	1	
WH-005	N960 E1010	Surface	Solarized manganese tableware with press molded sunburst	Body, Machine made	Kitchen	1	
WH-005	N960 E1010	Surface	Solarized manganese bottle	Base, Indeterminate manufacture	Indeterminate domestic	1	
WH-005	N960 E1010	Surface	Molded ironstone	Hollow ware, Foot	Kitchen	1	
WH-005	N960 E1010	Surface	Plain ironstone	Flat ware, Marley and bouge	Kitchen	1	
WH-005	N960 E1010	Surface	Light blue glass from indeterminate form	Body, Machine made	Indeterminate domestic	3	
WH-005	N960 E1010	Surface	Colorless glass from an indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	7	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-005	N960 E1010	Surface	Plain ironstone	Flat ware, Base	Kitchen	2	
WH-005	N960 E1010	Surface	Embossed colorless bottle	Body, Machine made	Indeterminate domestic	1	
WH-005	N960 E1010	Surface	Plain ironstone	Hollow ware, Rim	Kitchen	1	
WH-006	N950 E1010	Surface	Light green bottle	Devitrified, Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-006	N950 E1010	Surface	Embossed colorless bottle	Shoulder, Machine made	Indeterminate domestic	1	
WH-006	N950 E1010	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Base	Kitchen	1	
WH-006	N950 E1010	Surface	Colorless bottle	Neck and shoulder, Machine made	Indeterminate domestic	1	
WH-006	N950 E1010	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	10	
WH-006	N950 E1010	Surface	Colorless bottle	Base, Owens machine made	Indeterminate domestic	1	"221" in a diamond; unknown maker's mark
WH-006	N950 E1010	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	5	
WH-006	N950 E1010	Surface	Light blue bottle	Body, Indeterminate manufacture	Indeterminate domestic	4	
WH-006	N950 E1010	Surface	Light aqua bottle	Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-006	N950 E1010	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-006	N950 E1010	Surface	Light green bottle with embossing	Devitrified, Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-006	N950 E1010	Surface	Colorless bottle	Neck, Indeterminate manufacture	Indeterminate domestic	1	
WH-006	N950 E1010	Surface	Milk glass jar	Body and base, Machine made	Personal	2	
WH-006	N950 E1010	Surface	Solarized manganese glass from an indeterminate form	Devitrified, Curved fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-006	N950 E1010	Surface	Milk glass jar	Wide mouth threaded finish, Machine made	Personal	1	
WH-006	N950 E1010	Surface	Plain ironstone	Hollow ware, Rim	Kitchen	1	
WH-006	N950 E1010	Surface	Colorless glass from an indeterminate form	Flat fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-006	N950 E1010	Surface	Plain ironstone	Flat ware, Base	Kitchen	3	
WH-006	N950 E1010	Surface	Plain hard-paste porcelain	Indeterminate form, Rim	Kitchen	1	
WH-006	N950 E1010	Surface	Colorless bottle	Base, Machine made	Indeterminate domestic	1	
WH-006	N950 E1010	Surface	Coarse earthenware drain pipe	Fragment	Architectural	1	
WH-006	N950 E1010	Surface	Hard mud brick	Fragment	Architectural	1; 2.689 g	
WH-006	N950 E1010	Surface	Solarized selenium bottle	Base, Machine made with a valve mark	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-006	N950 E1010	Surface	Colorless bottle	Base, Owens machine made	Indeterminate domestic	1	
WH-006	N950 E1010	Surface	Colorless bottle	Double ring finish, Machine made	Indeterminate domestic	1	
WH-006	N950 E1010	Surface	Plain ironstone	Flat ware, Marley and bouge	Kitchen	1	
WH-006	N950 E1010	Surface	Milk glass from an indeterminate form	Flat fragment, Machine made	Indeterminate domestic	1	
WH-007	N940 E1010	Surface	Milk glass lid liner	Fragment, Machine made	Kitchen	1	
WH-007	N940 E1010	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	5	
WH-007	N940 E1010	Surface	Indeterminate iron form	Flat fragment	Indeterminate hardware	1	
WH-007	N940 E1010	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
WH-007	N940 E1010	Surface	Molded ironstone	Saucer, Rim and bouge	Kitchen	1	
WH-007	N940 E1010	Surface	Plain ironstone	Flat ware, Rim	Kitchen	1	
WH-007	N940 E1010	Surface	Mortar	Fragment	Architectural	1; 42.45 g	
WH-007	N940 E1010	Surface	White glass lid liner	Fragment, Machine made	Kitchen	1	
WH-007	N940 E1010	Surface	Plain ironstone	Plate, Bouge and base with foot ring	Kitchen	1	
WH-007	N940 E1010	Surface	Scallop edged and molded painted ironstone	Flat ware, Rim and marley	Kitchen	1	Floral design



FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-007	N940 E1010	Surface	Embossed colorless bottle	Body, Machine made	Indeterminate domestic	1	
WH-007	N940 E1010	Surface	Bristol glazed buff-bodied stoneware with stamped letters	Hollow ware, Body	Kitchen	1	"[ ]Hin[ ]"; letters are outlined in black/not filled in.
WH-007	N940 E1010	Surface	Hard mud brick	Fragment	Architectural	1; 5.115 g	
WH-007	N940 E1010	Surface	White glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	1	
WH-007	N940 E1010	Surface	Light green glass from an indeterminate form	Devitrified, Body, Indeterminate manufacture	Indeterminate domestic	2	
WH-007	N940 E1010	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	4	
WH-008	N930 E1010	Surface	Solarized manganese glass from an indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-009	N1000 E1000	Surface	Milk glass jar	Wide mouth threaded finish, Machine made	Personal	1	
WH-009	N1000 E1000	Surface	Milk glass lid liner	Fragment, Machine made	Kitchen	3	
WH-009	N1000 E1000	Surface	Light green glass from an indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	2	
WH-009	N1000 E1000	Surface	Plain porcelaneous stoneware	Burned, Flat ware, Rim, marley and bouge	Kitchen	1	
WH-009	N1000 E1000	Surface	Colorless glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Miscellaneous	8	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-009	N1000 E1000	Surface	Aqua glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-009	N1000 E1000	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	2	
WH-009	N1000 E1000	Surface	Milk glass from an indeterminate form	Fragment, Indeterminate manufacture	Indeterminate domestic	3	
WH-009	N1000 E1000	Surface	Light green window glass	Flat fragment, Machine made	Architectural	9	
WH-009	N1000 E1000	Surface	Colorless window glass	Flat fragment, Machine made	Architectural	1	
WH-009	N1000 E1000	Surface	Aqua glass from an indeterminate form	Shoulder, Machine made	Indeterminate domestic	3	
WH-009	N1000 E1000	Surface	Plain ironstone	Burned, Flat ware, Bouge and base with foot ring	Kitchen	1	
WH-009	N1000 E1000	Surface	Bristol glazed buff-bodied stoneware	Indeterminate form, Fragment	Kitchen	1	
WH-009	N1000 E1000	Surface	Aqua glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-009	N1000 E1000	Surface	Milk glass jar	Body, Machine made	Personal	1	
WH-009	N1000 E1000	Surface	Hard-paste porcelain with an indeterminate decorative style	Flat ware, Bouge and base with foot ring	Kitchen	1	Green band
WH-009	N1000 E1000	Surface	Molded ironstone	Flat ware, Rim	Kitchen	1	
WH-009	N1000 E1000	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-009	N1000 E1000	Surface	Hard mud brick	Fragment	Architectural	14; 111.308 g	
WH-009	N1000 E1000	Surface	Colorless bottle	Neck, Machine made	Indeterminate domestic	3	
WH-009	N1000 E1000	Surface	Plain porcelaneous stoneware	Burned, Indeterminate form, Curved fragment	Kitchen	1	
WH-009	N1000 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	19	
WH-009	N1000 E1000	Surface	Solarized manganese glass from an indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	4	
WH-009	N1000 E1000	Surface	Amber bottle	Neck, Indeterminate manufacture	Indeterminate domestic	1	
WH-009	N1000 E1000	Surface	Embossed colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	2	
WH-009	N1000 E1000	Surface	Cobalt blue glass from an indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-009	N1000 E1000	Surface	Plain ironstone	Burned, Indeterminate form, Curved fragment	Kitchen	3	
WH-009	N1000 E1000	Surface	Forest green glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-009	N1000 E1000	Surface	Light aqua jar	Neck, Machine made	Indeterminate domestic	1	
WH-009	N1000 E1000	Surface	Colorless bottle	Base, Machine made	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-009	N1000 E1000	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Rim	Kitchen	1	Collared rim
WH-009	N1000 E1000	Surface	Plain whiteware	Flat ware, Rim	Kitchen	1	
WH-010	N990 E1000	Surface	Hard mud brick	Fragment	Architectural	8; 64.654 g	
WH-010	N990 E1000	Surface	Light green glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	1	
WH-010	N990 E1000	Surface	Bright green glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-010	N990 E1000	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	4	
WH-010	N990 E1000	Surface	Bristol glaze/Albany slip buff-bodied stoneware	Hollow ware, Body	Kitchen	2	
WH-010	N990 E1000	Surface	Wire nail, Clinched	Complete	Architectural	1	
WH-010	N990 E1000	Surface	Indeterminate iron form	Flat fragment	Indeterminate hardware	2	
WH-010	N990 E1000	Surface	Plain ironstone	Flat ware, Rim	Kitchen	1	
WH-010	N990 E1000	Surface	Blue-tint glazed ironstone	Flat ware, Base	Kitchen	1	
WH-010	N990 E1000	Surface	Plain ironstone	Burned, Flat ware, Base with foot ring	Kitchen	1	
WH-010	N990 E1000	Surface	Plain yellow ware	Hollow ware, Base	Kitchen	1	
WH-010	N990 E1000	Surface	Plain ironstone	Flat ware, Marley and bouge	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-010	N990 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	7	
WH-010	N990 E1000	Surface	Light green bottle	Body, Machine made	Indeterminate domestic	2	
WH-010	N990 E1000	Surface	Scallop edged ironstone	Flat ware, Rim and marley	Kitchen	1	Creamy coloring like creamware but not porous.
WH-010	N990 E1000	Surface	Colorless bottle	Base, Machine made	Indeterminate domestic	2	
WH-010	N990 E1000	Surface	Cobalt blue glass from an indeterminate form	Base, Machine made	Indeterminate domestic	1	
WH-010	N990 E1000	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
WH-010	N990 E1000	Surface	Colorless bottle	Neck, Machine made	Indeterminate domestic	1	
WH-011	N980 E1000	Surface	Colorless bottle	Body, Machine made	Indeterminate domestic	8	
WH-011	N980 E1000	Surface	Solarized manganese bottle	Indeterminate finish type, Indeterminate manufacture	Indeterminate domestic	1	
WH-011	N980 E1000	Surface	Cobalt blue glass from an indeterminate form	Fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-011	N980 E1000	Surface	Solarized manganese bottle with embossing	Body, Machine made	Indeterminate domestic	1	
WH-011	N980 E1000	Surface	Colorless bottle	Neck, Machine made	Indeterminate domestic	1	
WH-011	N980 E1000	Surface	Milk glass lid liner	Fragment, Machine made	Kitchen	2	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-011	N980 E1000	Surface	Light blue jar with stippling and embossing	Base, Machine made	Kitchen	1	"Ball" in script
WH-011	N980 E1000	Surface	Amber bottle with embossing	Body, Machine made	Indeterminate domestic	1	
WH-011	N980 E1000	Surface	Embossed colorless bottle	Body, Machine made	Indeterminate domestic	3	
WH-011	N980 E1000	Surface	Sapphire blue glass from an indeterminate form	Body, Machine made	Indeterminate domestic	2	
WH-011	N980 E1000	Surface	Colorless bottle	Double ring finis/neck, Machine made	Kitchen	1	
WH-011	N980 E1000	Surface	Porcelaneous stoneware	Insulator, Fragment	Indeterminate domestic	1	
WH-011	N980 E1000	Surface	Colorless bottle with stippling and embossing	Base, Owens machine made	Indeterminate domestic	1	"Duarglas" in script; Owens Illinois Glass Company.
WH-011	N980 E1000	Surface	Colorless jar	Wide mouth threaded finish, Machine made	Indeterminate domestic	1	
WH-011	N980 E1000	Surface	Colorless bottle with stippling	Body and base, Owens machine made	Indeterminate domestic	1	
WH-011	N980 E1000	Surface	Aqua glass insulator	Fragment, Machine made	Activities	1	
WH-011	N980 E1000	Surface	Plain ironstone	Flat ware, Bouge and base with foot ring	Kitchen	1	
WH-011	N980 E1000	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-011	N980 E1000	Surface	Colorless bottle	Double ring finish, Machine made	Indeterminate domestic	2	Refit
WH-011	N980 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	1	
WH-011	N980 E1000	Surface	Colorless bottle with stippling	Base, Machine made	Indeterminate domestic	1	
WH-012	N970 E1000	Surface	Plain ironstone	Flat ware, Base	Kitchen	2	
WH-012	N970 E1000	Surface	Hard mud brick	Fragment	Architectural	1; 24.848 g	
WH-012	N970 E1000	Surface	Colorless jar	Wide mouth threaded finish, Machine made	Kitchen	1	
WH-012	N970 E1000	Surface	Embossed colorless bottle	Base, Owens machine made	Kitchen	1	
WH-012	N970 E1000	Surface	Embossed milk glass jar	Rim to base, Machine made	Personal	1	"Ponds"
WH-012	N970 E1000	Surface	Milk glass jar	Body and base, Machine made	Personal	1	
WH-012	N970 E1000	Surface	Milk glass from an indeterminate form	Fragment, Machine made	Indeterminate domestic	1	
WH-012	N970 E1000	Surface	Light aqua glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-012	N970 E1000	Surface	Aqua window glass	Flat fragment, Machine made	Architectural	8	
WH-012	N970 E1000	Surface	Light green bottle	Body, Machine made	Indeterminate domestic	2	
WH-012	N970 E1000	Surface	Light blue bottle	Body and base, Machine made	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-012	N970 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	12	
WH-012	N970 E1000	Surface	Hard mud brick	Fragment	Architectural	3; 20.947 g	
WH-012	N970 E1000	Surface	Earthenware	Fragment	Architectural	1	
WH-012	N970 E1000	Surface	Plain ironstone	Indeterminate form, Curved fragment	Kitchen	4	
WH-012	N970 E1000	Surface	Cobalt blue glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-012	N970 E1000	Surface	Molded ironstone	Flat ware, Rim and marley	Kitchen	1	
WH-012	N970 E1000	Surface	Ironstone with decalomania	Plate, Bouge and base with foot ring	Kitchen	1	Ghost
WH-012	N970 E1000	Surface	Plain hard-paste porcelain	Indeterminate form, Curved fragment	Kitchen	2	
WH-012	N970 E1000	Surface	Hard-paste porcelain with decalomania	Indeterminate form, Curved fragment	Kitchen	1	Polychrome
WH-012	N970 E1000	Surface	Indeterminate iron form	Fragment	Indeterminate hardware	1	
WH-013	N960 E1000	Surface	Blue-tint glazed ironstone	Plate, Bouge and base with foot ring	Kitchen	1	
WH-013	N960 E1000	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
WH-013	N960 E1000	Surface	Plain porcelaneous stoneware	Hollow ware, Body and foot ring	Kitchen	1	
WH-013	N960 E1000	Surface	Solarized manganese glass from an indeterminate form	Devitrified, Shoulder, Indeterminate manufacture	Indeterminate domestic	1	



FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-013	N960 E1000	Surface	Plain ironstone	Hollow ware, Body and base with foot ring	Kitchen	1	
WH-013	N960 E1000	Surface	Plain ironstone	Flat ware, Base	Kitchen	2	
WH-013	N960 E1000	Surface	Blue-tint glazed ironstone	Flat ware, Bouge and base with foot ring	Kitchen	1	
WH-013	N960 E1000	Surface	Plain ironstone	Flat ware, Bouge	Kitchen	1	
WH-013	N960 E1000	Surface	Light blue glass from indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-013	N960 E1000	Surface	Colorless bottle	Bead finish/neck, Machine made	Kitchen	1	
WH-013	N960 E1000	Surface	Molded ironstone	Hollow ware, Body	Kitchen	1	
WH-013	N960 E1000	Surface	Plain ironstone	Indeterminate form, Bouge with foot ring	Kitchen	1	
WH-013	N960 E1000	Surface	Embossed milk glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-013	N960 E1000	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
WH-013	N960 E1000	Surface	Scallop edged ironstone	Flat ware, Rim	Kitchen	1	
WH-013	N960 E1000	Surface	Light blue jar	Wide mouth threaded finish, Machine made	Kitchen	1	
WH-013	N960 E1000	Surface	Hard-paste porcelain	Figurine, Leg	Personal	1	
WH-013	N960 E1000	Surface	Hard mud brick	Fragment	Architectural	1; 5.21 g	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-013	N960 E1000	Surface	Light green glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-013	N960 E1000	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	5	
WH-013	N960 E1000	Surface	Colorless glass from an indeterminate form with stippling	Base, Machine made with a valve mark	Indeterminate domestic	1	
WH-013	N960 E1000	Surface	Light green glass from an indeterminate form	Devitrified, Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-013	N960 E1000	Surface	Indeterminate iron form	Fragment	Indeterminate hardware	2	
WH-013	N960 E1000	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	2	
WH-013	N960 E1000	Surface	Amber bottle	Base, Indeterminate manufacture	Indeterminate domestic	1	
WH-013	N960 E1000	Surface	Plain hard-paste porcelain	Indeterminate form, Curved fragment	Kitchen	6	
WH-013	N960 E1000	Surface	Coarse earthenware drain pipe	Fragment	Architectural	2	
WH-013	N960 E1000	Surface	Solarized manganese glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-013	N960 E1000	Surface	Indeterminate iron form	Fragment	Indeterminate hardware	1	Possible nail
WH-014	N950 E1000	Surface	Colorless jar	Wide mouth threaded finish, Machine made	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-014	N950 E1000	Surface	Cobalt blue marble	Complete, Indeterminate manufacture	Personal	1	Chipped
WH-014	N950 E1000	Surface	Cobalt blue glass from an indeterminate form	Fragment, Indeterminate manufacture	Indeterminate domestic	3	
WH-014	N950 E1000	Surface	Sapphire blue glass from an indeterminate form	Body, Blown in an indeterminate mold	Indeterminate domestic	1	
WH-014	N950 E1000	Surface	Milk glass lid liner	Fragment, Machine made	Kitchen	1	
WH-014	N950 E1000	Surface	Colorless window glass	Flat fragment, Machine made	Architectural	4	
WH-014	N950 E1000	Surface	Green glazed coarse earthenware	Hollow ware, Rim	Kitchen	1	
WH-014	N950 E1000	Surface	Light green bottle	Base, Indeterminate manufacture	Indeterminate domestic	1	
WH-014	N950 E1000	Surface	White glass from an indeterminate form	Body and base, Machine made	Indeterminate domestic	1	
WH-014	N950 E1000	Surface	White glass from an indeterminate form	Fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-014	N950 E1000	Surface	Indeterminate nail type, Clinched	Fragment	Architectural	1	
WH-014	N950 E1000	Surface	Embossed colorless bottle	Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-014	N950 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	1	
WH-014	N950 E1000	Surface	Indeterminate iron form	Flat fragment	Indeterminate hardware	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-014	N950 E1000	Surface	Hard mud brick	Fragment	Architectural	2; 8.039 g	
WH-014	N950 E1000	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Rim	Kitchen	1	
WH-014	N950 E1000	Surface	Hard-paste porcelain	Indeterminate form, Rim	Kitchen	1	
WH-014	N950 E1000	Surface	Plain ironstone	Plate, Marley to base with foot ring	Kitchen	1	
WH-014	N950 E1000	Surface	Plain ironstone	Plate, Bouge and base with foot ring	Kitchen	1	
WH-014	N950 E1000	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
WH-014	N950 E1000	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	3	
WH-014	N950 E1000	Surface	Coarse earthenware drain pipe	Fragment	Architectural	1	
WH-015	N940 E1000	Surface	Hard mud brick	Fragment	Architectural	1; 6.751 g	
WH-015	N940 E1000	Surface	Plain ironstone	Indeterminate form, Flat fragment	Kitchen	2	
WH-015	N940 E1000	Surface	Embossed colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-015	N940 E1000	Surface	Scallop edged ironstone	Flat ware, Rim and marley	Kitchen	1	
WH-015	N940 E1000	Surface	Blue-tint glazed ironstone	Flat ware, Base	Kitchen	1	
WH-015	N940 E1000	Surface	Colorless jar	Wide mouth threaded finish, Machine made	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-015	N940 E1000	Surface	Glazed (pink) and molded ironstone	Flat ware, Flat fragment	Kitchen	1	
WH-016	N930 E1000	Surface	Scallop edged ironstone	Flat ware, Rim	Kitchen	1	
WH-016	N930 E1000	Surface	Coarse earthenware drain pipe	Fragment	Architectural	1	
WH-016	N930 E1000	Surface	Colorless glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Miscellaneous	1	
WH-016	N930 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	2	
WH-016	N930 E1000	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
WH-016	N930 E1000	Surface	Colorless glass from an indeterminate form with press molded ribs	Curved fragment, Machine made	Indeterminate domestic	1	
WH-016	N930 E1000	Surface	Light aqua glass from an indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	2	
WH-016	N930 E1000	Surface	Indeterminate iron form	Curved fragment	Indeterminate hardware	1	
WH-017	N1000 E990	Surface	Bristol glazed buff-bodied stoneware	Indeterminate form, Base	Kitchen	2	
WH-017	N1000 E990	Surface	Bright green glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-017	N1000 E990	Surface	Molded white glass flatware	Marley, Machine made	Kitchen	1	
WH-017	N1000 E990	Surface	Milk glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	1	
WH-017	N1000 E990	Surface	Aqua jar	Wide mouth threaded finish, Machine made	Kitchen	1	
WH-017	N1000 E990	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	4	
WH-017	N1000 E990	Surface	Hard mud brick	Fragment	Architectural	2; 29.749 g	
WH-017	N1000 E990	Surface	Plain ironstone	Flat ware, Base with foot ring	Kitchen	1	
WH-017	N1000 E990	Surface	Molded whiteware	Indeterminate form, Curved fragment	Kitchen	1	
WH-018	N990 E990	Surface	Plain whiteware	Indeterminate form, Curved fragment	Kitchen	1	
WH-018	N990 E990	Surface	Colorless bottle	Neck, Machine made	Indeterminate domestic	1	
WH-018	N990 E990	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	2	
WH-018	N990 E990	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Base	Kitchen	1	
WH-018	N990 E990	Surface	Light green bottle	Crown finish, Machine made	Indeterminate domestic	1	
WH-018	N990 E990	Surface	Plain hard-paste porcelain	Burned, Flat ware, Rim	Kitchen	1	
WH-018	N990 E990	Surface	Milk glass jar	Body, Machine made	Personal	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-018	N990 E990	Surface	Solarized selenium glass from an indeterminate form	Body, Machine made	Indeterminate domestic	2	
WH-018	N990 E990	Surface	Colorless bottle with stippling	Base, Owens machine made	Indeterminate domestic	1	
WH-019	N980 E990	Surface	Blue-tint glazed ironstone	Plate, Rim and bouge	Kitchen	1	
WH-019	N980 E990	Surface	Aqua jar	Wide mouth threaded finish, Machine made	Kitchen	1	
WH-019	N980 E990	Surface	Milk glass jar	Body, Machine made	Personal	1	
WH-019	N980 E990	Surface	Embossed colorless bottle	Body, Machine made	Indeterminate domestic	1	
WH-019	N980 E990	Surface	Colorless bottle	Crown finish, Machine made	Indeterminate domestic	1	
WH-019	N980 E990	Surface	Colorless bottle	Small mouth threaded finish, Machine made	Indeterminate domestic	1	
WH-019	N980 E990	Surface	Milk glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	1	Thin
WH-020	N970 E990	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	3	
WH-020	N970 E990	Surface	Colorless bottle	Small mouth threaded finish, Machine made	Indeterminate domestic	1	
WH-020	N970 E990	Surface	Stamped ironstone	Flat ware, Base	Kitchen	1	Indeterminate maker's mark
WH-020	N970 E990	Surface	Indeterminate iron form	Fragment	Indeterminate hardware	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-020	N970 E990	Surface	Light aqua bottle	Shoulder, Machine made	Indeterminate domestic	1	
WH-020	N970 E990	Surface	Solarized manganese glass from an indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-020	N970 E990	Surface	Sapphire blue glass from an indeterminate form with press molded ribs	Body, Machine made	Indeterminate domestic	1	
WH-020	N970 E990	Surface	Plain ironstone	Flat ware, Base with foot ring	Kitchen	1	
WH-020	N970 E990	Surface	Plain ironstone	Hollow ware, Body	Kitchen	3	
WH-020	N970 E990	Surface	Milk glass from an indeterminate form	Foot ring, Machine made	Indeterminate domestic	1	
WH-021	N960 E990	Surface	Light aqua bottle	Base, Non-Owens machine made	Indeterminate domestic	1	
WH-021	N960 E990	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	4	
WH-021	N960 E990	Surface	Light aqua tableglass with press molded hobnails	Body, Indeterminate manufacture	Kitchen	1	
WH-021	N960 E990	Surface	Scallop edged ironstone	Flat ware, Rim and marley	Kitchen	1	
WH-021	N960 E990	Surface	Ironstone with decalomania	Plate, Base with foot ring	Kitchen	1	Polychrome
WH-021	N960 E990	Surface	Glazed (pink) ironstone	Plate, Bouge and base with foot ring	Kitchen	2	



FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-021	N960 E990	Surface	Cobalt blue glass from an indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-021	N960 E990	Surface	Light blue bottle with embossing	Body and base, Owens machine made	Indeterminate domestic	1	Diamond; unknown make's mark
WH-021	N960 E990	Surface	Plain ironstone	Flat ware, Rim	Kitchen	2	
WH-021	N960 E990	Surface	Cobalt blue bottle	Small mouth threaded finish, Machine made	Indeterminate domestic	1	
WH-021	N960 E990	Surface	Indeterminate iron form	Fragment	Indeterminate hardware	1	Machinery part
WH-021	N960 E990	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
WH-021	N960 E990	Surface	Plain ironstone	Indeterminate form, Curved fragment	Kitchen	1	
WH-021	N960 E990	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
WH-021	N960 E990	Surface	Plain ironstone	Flat ware, Bouge and base with foot ring	Kitchen	1	
WH-021	N960 E990	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	5	
WH-021	N960 E990	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Rim	Kitchen	1	Collared rim
WH-021	N960 E990	Surface	Plain ironstone	Hollow ware, Body and base with foot ring	Kitchen	1	
WH-022	N950 E990	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
WH-022	N950 E990	Surface	Blue-tint glazed ironstone	Flat ware, Base	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-022	N950 E990	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	3	
WH-022	N950 E990	Surface	Bristol glaze/Albany slip buff-bodied stoneware	Eroded, Hollow ware, Body	Kitchen	2	
WH-022	N950 E990	Surface	Hard mud brick	Fragment	Architectural	1; 83.047 g	
WH-022	N950 E990	Surface	Bristol glazed buff-bodied stoneware	Eroded, Hollow ware, Handle	Kitchen	1	
WH-022	N950 E990	Surface	Molded ironstone	Flat ware, Rim and marley	Kitchen	1	
WH-023	N930 E990	Surface	Hard mud brick	Fragment	Architectural	1; 8.12 g	
WH-023	N930 E990	Surface	Plain ironstone	Plate, Bouge and base with foot ring	Kitchen	1	
WH-055	N975 E1065	Surface	Light green glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Miscellaneous	1	
WH-055	N975 E1065	Surface	Light aqua glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Miscellaneous	1	
WH-055	N975 E1065	Surface	Plain ironstone	Hollow ware, Rim	Kitchen	1	
WH-055	N975 E1065	Surface	Solarized manganese bottle	Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-055	N975 E1065	Surface	Plain ironstone	Indeterminate form, Curved fragment	Kitchen	2	
WH-055	N975 E1065	Surface	Hard mud brick	Fragment	Architectural	2; 11.273 g	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-055	N975 E1065	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
WH-055	N975 E1065	Surface	Plain hard-paste porcelain	Cup, Handle	Kitchen	1	
WH-055	N975 E1065	Surface	Plain ironstone	Flat ware, Marley and bouge	Kitchen	1	
WH-056	N950 E1065	Surface	Light blue bottle	Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-057	N1000 E1040	Surface	Milk glass lid liner	Fragment, Machine made	Kitchen	1	
WH-057	N1000 E1040	Surface	Hard mud brick	Fragment	Architectural	2; 10.336 g	
WH-057	N1000 E1040	Surface	Solarized manganese bottle	Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-058	N975 E1040	Surface	Plain ironstone	Plate, Rim and marley	Kitchen	1	
WH-058	N975 E1040	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	2	
WH-058	N975 E1040	Surface	Milk glass from an indeterminate form	Fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-058	N975 E1040	Surface	Light green bottle with embossing	Base, Owens machine made	Indeterminate domestic	1	On base "9 (Owens Illinois maker's mark of a I in an O superimposed over a diamond) [ ] // Duraglas [ ]"; Owens Illinois Glass Company.
WH-058	N975 E1040	Surface	Plain ironstone	Hollow ware, Rim and body	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-058	N975 E1040	Surface	Plain ironstone	Flat ware, Marley and bouge	Kitchen	1	
WH-058	N975 E1040	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
WH-058	N975 E1040	Surface	Light green glass from an indeterminate form	Flat fragment, Machine made	Indeterminate domestic	1	Thick
WH-058	N975 E1040	Surface	Milk glass lid liner	Fragment, Machine made	Kitchen	1	
WH-058	N975 E1040	Surface	Hard mud brick	Fragment	Architectural	6; 114.577 g	
WH-058	N975 E1040	Surface	Solarized manganese bottle	Body, Machine made	Indeterminate domestic	1	
WH-058	N975 E1040	Surface	Colorless glass from an indeterminate form	Body, Machine made	Kitchen	2	
WH-058	N975 E1040	Surface	Aqua bottle with embossing	Body, Blown in an indeterminate mold	Indeterminate domestic	1	"[ ]R[ ]"
WH-059	N950 E1040	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	1	Finish?
WH-059	N950 E1040	Surface	Colorless glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-059	N950 E1040	Surface	Light green glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-059	N950 E1040	Surface	Hard mud brick	Fragment	Architectural	1; 22.444 g	
WH-059	N950 E1040	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-059	N950 E1040	Surface	Colorless glass from an indeterminate form	Fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-061	N1000 E960	Surface	Molded ironstone	Flat ware, Rim	Kitchen	1	
WH-061	N1000 E960	Surface	Plain ironstone	Flat ware, Rim	Kitchen	1	
WH-061	N1000 E960	Surface	Scallop edged and molded painted ironstone	Flat ware, Rim	Kitchen	1	Blue band along scalloped edge with molded dots underneath and molded floral pattern.
WH-061	N1000 E960	Surface	Hard mud brick	Fragment	Architectural	1; 13.394 g	
WH-061	N1000 E960	Surface	Plain porcelaneous stoneware	Hollow ware, Rim and body	Kitchen	1	
WH-062	N975 E960	Surface	Plain ironstone	Flat ware, Marley	Kitchen	1	
WH-062	N975 E960	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
WH-062	N975 E960	Surface	Indeterminate iron form	Fragment	Indeterminate hardware	2	
WH-063	N950 E960	Surface	Hard mud brick	Fragment	Architectural	1; 13.177 g	
WH-063	N950 E960	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
WH-063	N950 E960	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-063	N950 E960	Surface	Colorless bottle	Shoulder, Machine made	Indeterminate domestic	1	
WH-063	N950 E960	Surface	Hard mud brick	Fragment	Architectural	1; 0.835 g	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-064	N975 E935	Surface	Plain ironstone	Hollow ware, Body	Kitchen	2	
WH-064	N975 E935	Surface	Indeterminate iron form	Fragment	Miscellaneous	1	Possibly cut nail
WH-064	N975 E935	Surface	Plain ironstone	Flat ware, Rim	Kitchen	1	
WH-064	N975 E935	Surface	Scallop edged ironstone	Flat ware, Rim and marley	Kitchen	1	
WH-064	N975 E935	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
WH-064	N975 E935	Surface	Iron hinge	Fragment	Architectural	1	
WH-064	N975 E935	Surface	Coarse earthenware drain pipe	Fragment	Architectural	2	Glazed
WH-064	N975 E935	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-065	N950 E935	Surface	Indeterminate iron form	Flat fragment	Miscellaneous	1	
WH-065	N950 E935	Surface	Plain ironstone	Flat ware, Rim	Kitchen	1	
WH-065	N950 E935	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
WH-065	N950 E935	Surface	Amber glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Miscellaneous	1	
WH-066	N925 E935	Surface	Colorless bottle	Base, Blown in an indeterminate mold	Indeterminate domestic	1	
WH-066	N925 E935	Surface	Hard mud brick	Fragment	Architectural	1; 5.58 g	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-066	N925 E935	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	1	
WH-066	N925 E935	Surface	Colorless bottle with stippling	Body, Machine made	Indeterminate domestic	1	
WH-067	N900 E935	Surface	Plain ironstone	Flat ware, Rim	Kitchen	1	
WH-067	N900 E935	Surface	Solarized manganese bottle	Body and base, Owens machine made	Indeterminate domestic	1	
WH-067	N900 E935	Surface	Milk glass lid liner	Fragment, Machine made	Kitchen	1	
WH-068	N875 E935	Surface	Hard mud brick	Fragment	Architectural	1; 5.105 g	
WH-068	N875 E935	Surface	Plain ironstone	Flat ware, Marley and bouge	Kitchen	1	
WH-068	N875 E935	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-068	N875 E935	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
WH-068	N875 E935	Surface	White glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	1	
WH-069	N925 E960	Surface	Cupreous Buffalo nickel	Complete	Personal	1	
WH-069	N925 E960	Surface	Kaolin shooter marble	Complete	Activities	1	
<b>Site 41WH104</b>							
WH-070	N975 E1050	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
WH-070	N975 E1050	Surface	Porcelain	Prosser button, Complete	Personal	1	Two-hole sew through Prosser button

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-070	N975 E1050	Surface	Light aqua bottle	Body, Blown in an indeterminate mold	Indeterminate domestic	1	
WH-071	N975 E1025	Surface	Milk glass jar	Wide mouth finish with external threading, Machine made	Personal	1	
WH-071	N975 E1025	Surface	Plain ironstone	Burned, Plate, Bouge	Kitchen	1	
WH-071	N975 E1025	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
WH-071	N975 E1025	Surface	Plain ironstone	Flat ware, Bouge and foot ring	Kitchen	1	
WH-071	N975 E1025	Surface	Cobalt blue bottle with embossing	Base, Indeterminate manufacture	Indeterminate domestic	1	Possible triangle on base with "[ ]E"
WH-071	N975 E1025	Surface	Hard mud brick	Fragment	Architectural	1; 61.091 g	
WH-071	N975 E1025	Surface	Embossed milk glass lid liner	Fragment, Machine made	Kitchen	1	"[ ]DIS GE[ ]"
WH-071	N975 E1025	Surface	Plain ironstone with a stamped maker's mark	Flat ware, Base	Kitchen	1	In script "[ ]lam A[ ]//[ ] by [ ]//[ ]Ste[ ]"
WH-071	N975 E1025	Surface	Colorless glass from an indeterminate form	Fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-071	N975 E1025	Surface	Light aqua bottle with internal fractures	Body and base, Indeterminate manufacture	Indeterminate domestic	1	
WH-071	N975 E1025	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-072	N950 E1025	Surface	Ironstone with an indeterminate decorative style	Flat ware, Base	Kitchen	1	Indeterminate green pattern.



FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-072	N950 E1025	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
WH-072	N950 E1025	Surface	Colorless jar	Wide mouth finish with threading, Machine made	Kitchen	1	
WH-072	N950 E1025	Surface	Milk glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	3	
WH-072	N950 E1025	Surface	Colorless bottle with stippling	Shoulder, Machine made	Indeterminate domestic	1	
WH-072	N950 E1025	Surface	Colorless bottle	Neck, Blown in an indeterminate mold	Indeterminate domestic	1	
WH-072	N950 E1025	Surface	Milk glass lid liner	Fragment, Machine made	Kitchen	1	"[ ] MA[ ]"
WH-072	N950 E1025	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-072	N950 E1025	Surface	Colorless bottle with stippling	Base, Machine made	Indeterminate domestic	1	
WH-072	N950 E1025	Surface	Scallop edged ironstone	Flat ware, Rim and marley	Kitchen	1	Floral pattern (?)
WH-072	N950 E1025	Surface	Plain ironstone	Hollow ware, Rim	Kitchen	2	
WH-072	N950 E1025	Surface	Solarized manganese bottle	Tooled double ring finish, Blown in an indeterminate mold	Indeterminate domestic	1	
WH-072	N950 E1025	Surface	Ironstone with decalomania	Flat ware, Rim and marley	Kitchen	1	Ghost
WH-072	N950 E1025	Surface	Painted hard-paste porcelain	Hollow ware, Rim	Kitchen	1	Red rim

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-072	N950 E1025	Surface	Blue-tint glazed porcelaneous stoneware	Large plate or platter, Base	Kitchen	1	
WH-072	N950 E1025	Surface	Plain ironstone	Hollow ware, Body	Kitchen	3	
WH-072	N950 E1025	Surface	Molded ironstone	Flat ware, Marley	Kitchen	1	Yellowish cast to glaze; indeterminate pattern.
WH-072	N950 E1025	Surface	Plain ironstone	Flat ware, Rim	Kitchen	2	
WH-072	N950 E1025	Surface	Bristol glazed buff-bodied stoneware with stamped letters	Hollow ware, Body	Kitchen	1	Indeterminate letters.
WH-072	N950 E1025	Surface	Transfer printed ironstone	Flat ware, Base	Kitchen	1	Floral pattern; green
WH-072	N950 E1025	Surface	Blue-tint glazed ironstone	Saucer, Base with foot ring	Kitchen	1	
WH-072	N950 E1025	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
WH-072	N950 E1025	Surface	Plain ironstone	Flat ware, Rim	Kitchen	2	
WH-072	N950 E1025	Surface	Molded hard-paste porcelain	Hollow ware, Handle	Kitchen	1	
WH-073	N925 E1025	Surface	Grayish blue glass from an indeterminate form with internal fractures	Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-073	N925 E1025	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
WH-073	N925 E1025	Surface	Solarized manganese glass from an indeterminate form	Fragment, Machine made	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-073	N925 E1025	Surface	Solarized manganese bottle	Body, Machine made	Indeterminate domestic	1	"M" or "W"
WH-073	N925 E1025	Surface	Hard-paste porcelain with an indeterminate decorative style	Hollow ware, Body	Kitchen	2	Refit; indeterminate orange pattern.
WH-073	N925 E1025	Surface	Light blue glass from indeterminate form	Body, Blown in an indeterminate mold	Indeterminate domestic	1	
WH-073	N925 E1025	Surface	Light blue jar	Wide mouth external finish with threading, Machine made	Kitchen	1	
WH-073	N925 E1025	Surface	Indeterminate iron farm machinery	Fragment	Activities	1	"Tooth" from farm plow. Approximately 9" long.
WH-074	N900 E1025	Surface	Milk glass from an indeterminate form	Base, Machine made with a valve mark	Indeterminate domestic	1	
WH-074	N900 E1025	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
WH-074	N900 E1025	Surface	Colorless glass from an indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-074	N900 E1025	Surface	Plain ironstone	Hollow ware, Body and base with foot ring	Kitchen	1	
WH-074	N900 E1025	Surface	Milk glass from an indeterminate form	Flat fragment, Machine made	Indeterminate domestic	1	
WH-074	N900 E1025	Surface	Plain ironstone	Cup, Handle	Kitchen	1	
WH-075	N1000 E1000	Surface	Molded ironstone	Hollow ware, Body	Kitchen	1	
WH-076	N975 E1000	Surface	Hard mud brick	Fragment	Architectural	1; 26.53 g	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-076	N975 E1000	Surface	Embossed colorless glass from an indeterminate form	Fragment, Indeterminate manufacture	Indeterminate domestic	1	Indeterminate letter/number
WH-076	N975 E1000	Surface	Plain ironstone	Plate, Marley and bouge	Kitchen	1	
WH-076	N975 E1000	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
WH-077	N950 E1000	Surface	Porcelain bisque	Figurine, Leg	Personal	1	
WH-077	N950 E1000	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
WH-077	N950 E1000	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Rim and body	Kitchen	1	
WH-077	N950 E1000	Surface	Plain ironstone	Hollow ware, Body	Kitchen	6	
WH-077	N950 E1000	Surface	Plain hard-paste porcelain	Hollow ware, Body	Kitchen	1	
WH-077	N950 E1000	Surface	Plain ironstone	Flat ware, rim and amr	Kitchen	2	
WH-077	N950 E1000	Surface	Hard mud brick	Fragment	Architectural	2; 2.483 g	
WH-077	N950 E1000	Surface	Molded ironstone	Plate, Rim and marley	Kitchen	1	
WH-077	N950 E1000	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-077	N950 E1000	Surface	Hard-paste porcelain with an indeterminate decorative style	Hollow ware, Body	Kitchen	1	Indeterminate orange decoration
WH-077	N950 E1000	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
WH-077	N950 E1000	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-077	N950 E1000	Surface	Transfer printed ironstone	Hollow ware, Body	Kitchen	1	Blue landscape pattern.
WH-077	N950 E1000	Surface	White glass from an indeterminate form	Body and base, Machine made	Indeterminate domestic	1	
WH-077	N950 E1000	Surface	Bristol glaze/Albany slip buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
WH-077	N950 E1000	Surface	Plain porcelaneous stoneware	Hollow ware, Rim	Kitchen	1	
WH-077	N950 E1000	Surface	Solarized manganese bottle	Devitrified, Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-077	N950 E1000	Surface	Cobalt blue tableware with embossing	Body and foot ring, Machine made	Kitchen	1	Floral design
WH-077	N950 E1000	Surface	Colorless bottle with embossing	Base, Machine made	Indeterminate domestic	1	"3" on base
WH-077	N950 E1000	Surface	Colorless jar	Wide mouth threaded finish, Machine made	Kitchen	1	
WH-077	N950 E1000	Surface	Embossed white glass hollow ware	Rim, Machine made	Kitchen	1	
WH-077	N950 E1000	Surface	Plain ironstone	Flat ware, Marley and bouge	Kitchen	1	
WH-077	N950 E1000	Surface	Bristol glazed buff-bodied stoneware with stamped letters	Hollow ware, Body	Kitchen	1	Indeterminate design
WH-077	N950 E1000	Surface	Solarized manganese bottle	Devitrified, Base, Indeterminate manufacture	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-077	N950 E1000	Surface	Milk glass lid iner	Fragment, Machine made	Kitchen	1	
WH-077	N950 E1000	Surface	Cobalt blue bottle	Small mouth threaded finish, Machine made	Indeterminate domestic	1	
WH-077	N950 E1000	Surface	Plain ironstone	Hollow ware, Handle	Kitchen	1	
WH-077	N950 E1000	Surface	Cobalt blue tableware with embossing	Body, Machine made	Kitchen	1	Floral design
WH-077	N950 E1000	Surface	Colorless glass from an indeterminate form with stippling	Base, Machine made	Indeterminate domestic	1	
WH-077	N950 E1000	Surface	Annular yellow ware	Hollow ware, Body	Kitchen	1	Brown
WH-077	N950 E1000	Surface	White glass from an indeterminate form	Base, Machine made	Indeterminate domestic	1	
WH-077	N950 E1000	Surface	Milk glass from an indeterminate form	Curved fragment, Blown in an indeterminate mold	Indeterminate domestic	1	
WH-078	N925 E1000	Surface	Solarized manganese bottle with embossing	Body, Indeterminate manufacture	Indeterminate domestic	1	Indeterminate letters/numbers.
WH-078	N925 E1000	Surface	Embossed white glass tableware	Body, Machine made	Kitchen	1	Botanical pattern
WH-078	N925 E1000	Surface	Bristol glazed buff-bodied stoneware with stamped letters	Hollow ware, Body	Kitchen	1	"[ ]LOVE FIE[ ]" stamped on exterior
WH-078	N925 E1000	Surface	Milk glass jar	Wide mouth finish with external threading, Machine made	Personal	1	
WH-078	N925 E1000	Surface	Plain ironstone	Hollow ware, Body and base with foot ring	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-078	N925 E1000	Surface	Milk glass from an indeterminate form	Fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-078	N925 E1000	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
WH-078	N925 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-078	N925 E1000	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
WH-078	N925 E1000	Surface	Plain ironstone	Hollow ware, Handle	Kitchen	1	
WH-078	N925 E1000	Surface	Plain ironstone	Flat ware, Rim and body	Kitchen	1	
WH-079	N900 E1000	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
WH-079	N900 E1000	Surface	Solarized selenium glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-079	N900 E1000	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
WH-079	N900 E1000	Surface	Milk glass jar	Wide mouth finish with threading, Machine made	Personal	1	
WH-079	N900 E1000	Surface	Aqua glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-079	N900 E1000	Surface	White glass from an indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-079	N900 E1000	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
WH-079	N900 E1000	Surface	Plain ironstone	Flat ware, Rim and marley	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-080	N875 E1000	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
WH-080	N875 E1000	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	2	
WH-080	N875 E1000	Surface	Blue-tint glazed ironstone	Indeterminate form, Body with foot ring	Kitchen	1	
WH-080	N875 E1000	Surface	Colorless bottle	Body, Machine made	Indeterminate domestic	2	
WH-081	N1025 E975	Surface	Embossed milk glass lid liner	Fragment, Machine made	Kitchen	1	
WH-081	N1025 E975	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
WH-081	N1025 E975	Surface	Aqua bottle	Base, Blown in an indeterminate mold	Indeterminate domestic	1	
WH-081	N1025 E975	Surface	Colorless bottle with stippling	Neck, Machine made	Indeterminate domestic	1	
WH-081	N1025 E975	Surface	Plain ironstone	Plate, Rim and marley	Kitchen	1	
WH-082	N1000 E975	Surface	Yellow glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	1	
WH-082	N1000 E975	Surface	Amber bottle	Body, Machine made	Indeterminate domestic	1	
WH-082	N1000 E975	Surface	Amber bottle	Neck, Machine made	Indeterminate domestic	1	
WH-082	N1000 E975	Surface	Hard mud brick	Fragment	Architectural	1; 1.917 g	
WH-082	N1000 E975	Surface	White glass plate	Rim and marley, Machine made	Kitchen	1	



FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-082	N1000 E975	Surface	Colorless bottle with stippling	Base, Machine made	Indeterminate domestic	1	
WH-082	N1000 E975	Surface	Plain ironstone	Hollow ware, Body	Kitchen	2	
WH-082	N1000 E975	Surface	Plain ironstone	Hollow ware, Rim	Kitchen	1	
WH-082	N1000 E975	Surface	Bristol glazed buff-bodied stoneware	Indeterminate form, Flat fragment	Kitchen	1	
WH-082	N1000 E975	Surface	Colorless tableware with a scalloped edge	Rim, Machine made	Kitchen	1	
WH-083	N975 E975	Surface	Solarized manganese bottle	Base, Machine made with a valve mark	Indeterminate domestic	1	
WH-083	N975 E975	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
WH-084	N950 E975	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
WH-084	N950 E975	Surface	Plain hard-paste porcelain	Hollow ware, Body and base with foot ring	Kitchen	1	
WH-085	N925 E975	Surface	Solarized manganese glass from an indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-085	N925 E975	Surface	Plain ironstone with a stamped maker's mark	Flat ware, Base	Kitchen	1	"[ ] rellis // & (?) [ ]" in script; green
WH-085	N925 E975	Surface	Plain ironstone	Flat ware, Base	Kitchen	2	
WH-085	N925 E975	Surface	Milk glass jar	Base, Machine made with a valve mark	Personal	1	
WH-085	N925 E975	Surface	Plain ironstone	Flat ware, Base	Kitchen	2	
WH-085	N925 E975	Surface	Hard mud brick	Fragment	Architectural	1; 39.952 g	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-086	N900 E975	Surface	Light green bottle	Body, Machine made	Indeterminate domestic	1	
WH-086	N900 E975	Surface	Hard mud brick	Fragment	Architectural	2; 25.427 g	
WH-086	N900 E975	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
WH-086	N900 E975	Surface	Cobalt blue jar	Shoulder and body, Indeterminate manufacture	Indeterminate domestic	1	
WH-086	N900 E975	Surface	Milk glass lid iner	Fragment, Machine made	Kitchen	1	
WH-086	N900 E975	Surface	Plain ironstone	Hollow ware, Body	Kitchen	2	
WH-087	N1000 E950	Surface	Colorless bottle	Double ring finish, Indeterminate manufacture	Indeterminate domestic	1	
WH-087	N1000 E950	Surface	Plain ironstone	Plate, Marley	Kitchen	1	
WH-087	N1000 E950	Surface	Plain ironstone	Plate, Rim and marley	Kitchen	1	
WH-087	N1000 E950	Surface	Hard mud brick	Fragment	Architectural	2; 5.993 g	
WH-087	N1000 E950	Surface	Amber bottle	Base, Owens machine made	Indeterminate domestic	1	
WH-088	N975 E950	Surface	Light green bottle	Crown finish, Machine made	Kitchen	1	
WH-088	N975 E950	Surface	Plain ironstone	Hollow ware, Rim	Kitchen	1	
WH-088	N975 E950	Surface	Colorless glass from an indeterminate form	Shoulder, Indeterminate manufacture	Indeterminate domestic	1	
WH-088	N975 E950	Surface	Colorless glass from an indeterminate form	Base, Non-Owens machine made	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-088	N975 E950	Surface	Plain ironstone	Flat ware, Marley and bouge	Kitchen	1	
WH-088	N975 E950	Surface	Hard-paste porcelain with decalomania	Flat ware, Base	Kitchen	1	Floral ghost pattern.
WH-088	N975 E950	Surface	Hard-paste porcelain with an indeterminate decorative style	Plate, Bouge and base with foot ring	Kitchen	1	Indeterminate orange pattern.
WH-089	N950 E950	Surface	Colorless glass from an indeterminate form	Base, Machine made	Indeterminate domestic	1	
WH-089	N950 E950	Surface	Molded and unglazed refined white-bodied earthenware	Hollow ware, Rim	Kitchen	1	Upside-down triangles on rim edge
WH-089	N950 E950	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
<b><i>Site 41WH105</i></b>							
WH-024	N1000 E1020	Surface	Cupreous metal buckle	Fragment	Personal	1	
WH-024	N1000 E1020	Surface	Hard mud brick	Fragment	Architectural	9; 98.294 g	
WH-024	N1000 E1020	Surface	Colorless bottle	Body, Machine made with an applied color label	Kitchen	1	
WH-024	N1000 E1020	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
WH-024	N1000 E1020	Surface	Milk glass jar	Wide mouth threaded finish/body, Machine made	Personal	1	
WH-024	N1000 E1020	Surface	Colorless glass from an indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-025	N990 E1020	Surface	Plain ironstone	Flat ware, Rim	Kitchen	1	
WH-025	N990 E1020	Surface	Hard mud brick	Fragment	Architectural	2; 32.07 g	
WH-025	N990 E1020	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-026	N980 E1020	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-026	N980 E1020	Surface	Hard mud brick	Fragment	Architectural	1; 59.53 g	
WH-027	N970 E1020	Surface	Hard mud brick	Fragment	Architectural	1; 84.776 g	
WH-027	N970 E1020	Surface	Light green glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-028	N1000 E1010	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
WH-028	N1000 E1010	Surface	Hard mud brick	Fragment	Architectural	1; 173.428 g	
WH-028	N1000 E1010	Surface	Colorless glass from an indeterminate form with press molded ribs	Body, Machine made	Indeterminate domestic	1	
WH-028	N1000 E1010	Surface	Porcelain bisque	Indeterminate form, Flat fragment	Indeterminate domestic	1	
WH-029	N990 E1010	Surface	Hard mud brick	Fragment	Architectural	2; 78.291 g	
WH-030	N980 E1010	Surface	Sapphire blue bottle	Body, Blown in an indeterminate mold	Indeterminate domestic	1	
WH-030	N980 E1010	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	8	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-030	N980 E1010	Surface	Hard mud brick	Fragment	Architectural	5; 147.628 g	
WH-030	N980 E1010	Surface	Plain ironstone	Flat ware, Base	Kitchen	1	
WH-030	N980 E1010	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	2	
WH-030	N980 E1010	Surface	Milk glass tableware with press molded spheres	Body, Machine made	Kitchen	1	
WH-030	N980 E1010	Surface	Colorless glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-031	N970 E1010	Surface	Embossed colorless bottle	Body, Machine made	Indeterminate domestic	1	"[ ]AR[ ]"
WH-031	N970 E1010	Surface	Cobalt blue glass from an indeterminate form	Body, Blown in an indeterminate mold	Indeterminate domestic	1	
WH-031	N970 E1010	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
WH-031	N970 E1010	Surface	Colorless glass from an indeterminate form with stippling	Body, Machine made	Indeterminate domestic	1	
WH-031	N970 E1010	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	5	
WH-031	N970 E1010	Surface	Light green glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Indeterminate domestic	1	Possible stippling
WH-031	N970 E1010	Surface	Plain ironstone	Indeterminate form, Curved fragment	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-031	N970 E1010	Surface	Plain ironstone	Plate, Rim and marley	Kitchen	1	
WH-031	N970 E1010	Surface	Embossed colorless bottle	Body, Machine made	Indeterminate domestic	1	"[ ]ORO[ ]"
WH-031	N970 E1010	Surface	Plain whiteware	Hollow ware, Body	Kitchen	1	
WH-031	N970 E1010	Surface	Scallop edged ironstone	Hollow ware, Rim and body	Kitchen	1	
WH-031	N970 E1010	Surface	Colorless jar	Wide mouth threaded finish, Machine made	Kitchen	1	
WH-031	N970 E1010	Surface	Hard mud brick	Fragment	Architectural	2; 53.206 g	
WH-031	N970 E1010	Surface	Cupreous metal sheeting	Fragment	Indeterminate hardware	1	
WH-032	N960 E1010	Surface	Indeterminate orange plastic	Fragment	Miscellaneous	2	
WH-032	N960 E1010	Surface	Plain whiteware	Indeterminate form, Curved fragment	Kitchen	1	
WH-032	N960 E1010	Surface	Solarized selenium glass from an indeterminate form	Base, Machine made with a valve mark	Indeterminate domestic	1	
WH-032	N960 E1010	Surface	Indeterminate iron form	Fragment	Miscellaneous	1	
WH-032	N960 E1010	Surface	Colorless glass from an indeterminate form	Body, Blown in an indeterminate mold	Indeterminate domestic	1	
WH-032	N960 E1010	Surface	Colorless glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-032	N960 E1010	Surface	Colorless glass from an indeterminate form	Fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-032	N960 E1010	Surface	Ironstone with decalomania	Plate, Bouge and base with foot ring	Kitchen	1	Floral pattern; pink
WH-032	N960 E1010	Surface	Colorless bottle with stippling	Body and base, Non-Owens machine made	Kitchen	1	
WH-032	N960 E1010	Surface	Light green bottle	Body, Machine made	Indeterminate domestic	1	
WH-032	N960 E1010	Surface	Colorless bottle with stippling	Body and base, Owens machine made	Indeterminate domestic	1	
WH-032	N960 E1010	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-032	N960 E1010	Surface	Stone, Siltstone, Whetstone	Fragment	Personal	1	
WH-032	N960 E1010	Surface	Indeterminate rubber form	Fragment	Indeterminate domestic	2	Possibly shoe sole
WH-032	N960 E1010	Surface	Colorless glass from an indeterminate form with stippling	Body, Machine made	Indeterminate domestic	1	
WH-032	N960 E1010	Surface	Colorless drinking glass	Body, Machine made	Indeterminate domestic	1	
WH-032	N960 E1010	Surface	Glazed ironstone (light blue)	Hollow ware, Body	Kitchen	1	
WH-033	N950 E1010	Surface	Glazed (yellow) refined white-bodied earthenware	Indeterminate form, Curved fragment	Kitchen	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-033	N950 E1010	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
WH-033	N950 E1010	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	2	
WH-034	N940 E1010	Surface	Glazed (yellow) ironstone	Hollow ware, Body	Kitchen	1	Exterior is yellow glazed; interior is white
WH-035	N1000 E1000	Surface	Milk glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	2	
WH-035	N1000 E1000	Surface	Plain ironstone	Indeterminate form, Curved fragment	Kitchen	1	
WH-035	N1000 E1000	Surface	7-Up green jar	Wide mouth threaded finish, Machine made	Indeterminate domestic	1	
WH-035	N1000 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	4	
WH-035	N1000 E1000	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
WH-035	N1000 E1000	Surface	Amber glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-035	N1000 E1000	Surface	Grayish blue glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	2	Thick
WH-035	N1000 E1000	Surface	Light green glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-035	N1000 E1000	Surface	White glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	1	



FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-035	N1000 E1000	Surface	White glass hollow ware with press molded ribs	Body, Machine made	Indeterminate domestic	1	
WH-035	N1000 E1000	Surface	Milk glass jar	Wide mouth threaded finish, Machine made	Personal	1	
WH-035	N1000 E1000	Surface	Hard mud brick	Fragment	Architectural	8; 1084.844 g	
WH-036	N1000 E1000	Str. I: 0-50 cmbs	Hard mud brick	Fragment	Architectural	2; 16.19 g	
WH-037	N990 E1000	Surface	Colorless bottle with stippling	Body, Machine made	Indeterminate domestic	1	
WH-037	N990 E1000	Surface	Glazed (yellow) and molded refined white-bodied earthenware	Indeterminate form, Body	Kitchen	1	
WH-037	N990 E1000	Surface	Colorless bottle	Body and base, Machine made	Indeterminate domestic	2	
WH-037	N990 E1000	Surface	White glass flatware	Rim, Machine made	Kitchen	1	
WH-037	N990 E1000	Surface	Colorless bottle	Devitrified, Base, Machine made	Indeterminate domestic	1	
WH-037	N990 E1000	Surface	Colorless bottle with stippling	Shoulder, Machine made	Indeterminate domestic	1	
WH-037	N990 E1000	Surface	Embossed white glass hollow ware	Rim, Machine made	Kitchen	1	
WH-037	N990 E1000	Surface	Embossed colorless bottle	Body, Machine made	Indeterminate domestic	1	
WH-037	N990 E1000	Surface	Stamped hard mud brick	Fragment	Architectural	2; 126.412 g	Stamped. Indeterminate letters

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-037	N990 E1000	Surface	Milk glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Miscellaneous	1	
WH-037	N990 E1000	Surface	Light green soda bottle	Body, Machine made	Kitchen	2	
WH-037	N990 E1000	Surface	Hard mud brick	Fragment	Architectural	3; 82.347 g	
WH-037	N990 E1000	Surface	Light blue glass from indeterminate form, Melted	Fragment, Indeterminate manufacture	Miscellaneous	1	
WH-037	N990 E1000	Surface	Cupreous zipper pull	Complete	Personal	1	
WH-037	N990 E1000	Surface	Light green soda bottle with press molded ribs	Body, Machine made	Kitchen	1	
WH-037	N990 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	11	
WH-037	N990 E1000	Surface	Milk glass hollow ware	Body, Machine made	Indeterminate domestic	2	
WH-038	N980 E1000	Surface	Colorless bottle with stippling	Body, Machine made	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Milk glass from an indeterminate form	Body, Machine made	Kitchen	6	
WH-038	N980 E1000	Surface	Plastic tubing	Fragment	Miscellaneous	1	
WH-038	N980 E1000	Surface	Iron bolt	Fragment	Architectural	1	
WH-038	N980 E1000	Surface	Colorless bottle	Neck, Machine made	Indeterminate domestic	3	Neck ring
WH-038	N980 E1000	Surface	Cut nail, Unclinched	Complete	Architectural	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-038	N980 E1000	Surface	Colorless glass from an indeterminate form	Base, Indeterminate manufacture	Indeterminate domestic	2	
WH-038	N980 E1000	Surface	Glazed (blue) refined white-bodied earthenware	Flat ware, Base	Kitchen	1	
WH-038	N980 E1000	Surface	Colorless bottle	Base, Machine made with a valve mark	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Wire nail, Unclinched	Complete	Architectural	1	
WH-038	N980 E1000	Surface	Colorless bottle	Body, Machine made with an applied color label	Indeterminate domestic	1	Ghost
WH-038	N980 E1000	Surface	Stamped hard mud brick	Fragment	Architectural	1; 124.384 g	
WH-038	N980 E1000	Surface	Colorless bottle	Bead finish, Machine made	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Plastic button	Complete	Personal	2	4 hole sew through buttons
WH-038	N980 E1000	Surface	Axle mount	Fragment	Activities	1	
WH-038	N980 E1000	Surface	Peach Depression glass tableware with press molded ribs	Body, Machine made	Kitchen	2	
WH-038	N980 E1000	Surface	Colorless bottle	Collared ring finish, Machine made	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Glazed (green) refined white-bodied earthenware	Bowl, Rim	Kitchen	1	
WH-038	N980 E1000	Surface	Hard mud brick	Fragment	Architectural	5; 314.585 g	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-038	N980 E1000	Surface	Teal glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Indeterminate iron hardware	Fragment	Indeterminate hardware	1	
WH-038	N980 E1000	Surface	Cupreous hinge	Complete	Architectural	1	
WH-038	N980 E1000	Surface	Iron fence staple	Complete	Activities	1	
WH-038	N980 E1000	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Rim (collar)	Kitchen	1	
WH-038	N980 E1000	Surface	Cobalt blue bottle with embossing	Body, Blown in an indeterminate mold	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Porcelaneous stoneware	Spark plug, Fragment	Activities	1	
WH-038	N980 E1000	Surface	Iron wire	Fragment	Activities	1	
WH-038	N980 E1000	Surface	Light green soda bottle with press molded ribs	Body, Machine made	Kitchen	1	
WH-038	N980 E1000	Surface	Plain ironstone	Flat ware, Rim	Kitchen	1	
WH-038	N980 E1000	Surface	Light blue bottle	Body, Machine made	Indeterminate domestic	4	
WH-038	N980 E1000	Surface	Plain soft-paste porcelain	Hollow ware, Rim and body	Kitchen	1	
WH-038	N980 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Blown in an indeterminate mold	Indeterminate domestic	2	
WH-038	N980 E1000	Surface	Red glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-038	N980 E1000	Surface	Wire nail	Fragment	Architectural	1	
WH-038	N980 E1000	Surface	Colorless bottle	Base, Machine made	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Plastic button	Complete	Personal	2	Both are 4 hole sew through buttons
WH-038	N980 E1000	Surface	Plastic gaming die	Complete	Personal	1	
WH-038	N980 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	19	
WH-038	N980 E1000	Surface	Embossed colorless bottle	Body, Machine made	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Colorless bottle	Body and base, Machine made	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Embossed colorless glass from an indeterminate form	Rim, Machine made	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Colorless bottle with stippling	Curved fragment, Machine made	Indeterminate domestic	2	
WH-038	N980 E1000	Surface	Colorless glass from an indeterminate form	Body and base, Machine made	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Colorless glass from an indeterminate form	Rim, Machine made	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Solarized selenium glass from an indeterminate form	Flat fragment, Machine made	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Colorless jar	Shoulder, Machine made	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-038	N980 E1000	Surface	Teal glass from an indeterminate form	Rim, Machine made	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Light green bottle	Body, Machine made	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Light green bottle	Shoulder, Machine made	Indeterminate domestic	3	
WH-038	N980 E1000	Surface	Colorless jar	Wide mouth threaded finish, Machine made	Kitchen	3	
WH-038	N980 E1000	Surface	Colorless bottle	Indeterminate finish type, Machine made	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Colorless bottle with stippling	Base, Machine made	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	23	
WH-038	N980 E1000	Surface	Screw	Complete	Architectural	1	
WH-038	N980 E1000	Surface	Embossed colorless bottle	Base, Machine made with a valve mark	Indeterminate domestic	1	"[ ]GH // MFG. // CO. CO. // 4 // NEW YORK"
WH-038	N980 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	2	
WH-038	N980 E1000	Surface	Colorless bottle	Neck, Machine made	Indeterminate domestic	1	
WH-038	N980 E1000	Surface	Colorless bottle	Shoulder, Machine made	Indeterminate domestic	3	
WH-038	N980 E1000	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	8	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-038	N980 E1000	Surface	Solarized selenium glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-039	N970 E1000	Surface	Colorless jar	Wide mouth threaded finish, Machine made	Kitchen	1	
WH-039	N970 E1000	Surface	Indeterminate iron form	Fragment	Miscellaneous	1	
WH-039	N970 E1000	Surface	Colorless bottle	Neck, Machine made	Indeterminate domestic	1	
WH-039	N970 E1000	Surface	Molded soft-paste porcelain	Indeterminate form, Body	Kitchen	1	
WH-039	N970 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	38	
WH-039	N970 E1000	Surface	Glazed (dark blue) refined white-bodied earthenware	Plate, Rim	Kitchen	1	
WH-039	N970 E1000	Surface	Scallop edged ironstone	Plate, Rim	Kitchen	1	
WH-039	N970 E1000	Surface	Amber bottle with stippling	Body and base, Machine made	Indeterminate domestic	1	
WH-039	N970 E1000	Surface	Solarized selenium bottle	Capseat finish, Machine made	Indeterminate domestic	1	
WH-039	N970 E1000	Surface	Molded ironstone	Indeterminate form, Body	Kitchen	1	
WH-039	N970 E1000	Surface	Light green glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Miscellaneous	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-039	N970 E1000	Surface	Iron bolt	Fragment	Architectural	1	
WH-039	N970 E1000	Surface	Colorless glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Miscellaneous	1	
WH-039	N970 E1000	Surface	Colorless bottle with stippling	Base, Machine made	Indeterminate domestic	3	
WH-039	N970 E1000	Surface	7-Up green bottle with stippling and embossing	Base, Machine made	Indeterminate domestic	1	"[ ]LLO F[ ]"
WH-039	N970 E1000	Surface	Bright green glass from an indeterminate form	Curved fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-039	N970 E1000	Surface	Colorless bottle	Body, Machine made	Indeterminate domestic	25	
WH-039	N970 E1000	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	10	
WH-039	N970 E1000	Surface	Amber Clorox bottle	Small mouth threaded finish, Machine made	Indeterminate domestic	1	Aluminum cap attached
WH-039	N970 E1000	Surface	Cobalt blue glass from an indeterminate form with embossing	Base, Machine made	Indeterminate domestic	1	"G[ ]//P[ ]"
WH-039	N970 E1000	Surface	Light green soda bottle with stippling and embossing	Body and base, Machine made	Kitchen	1	"DALLAS [ ] // TRADE-MA[RK ... ] BOTTLE // C (in a circle)"
WH-039	N970 E1000	Surface	Iron fence staple	Complete	Activities	1	
WH-039	N970 E1000	Surface	Plain ironstone	Plate, Bouge and base with foot ring	Kitchen	1	



FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-039	N970 E1000	Surface	Wire nail, Unclinched	Complete	Architectural	3	
WH-039	N970 E1000	Surface	Molded ironstone	Hollow ware, Rim	Kitchen	1	
WH-039	N970 E1000	Surface	Amber Clorox bottle with stippling	Base, Machine made	Indeterminate domestic	1	
WH-039	N970 E1000	Surface	Solarized selenium bottle with embossing	Crown finish/neck, Machine made	Kitchen	1	
WH-039	N970 E1000	Surface	Glazed (yellow) ironstone	Hollow ware, Body	Kitchen	1	
WH-039	N970 E1000	Surface	Cobalt blue glass from an indeterminate form	Fragment, Indeterminate manufacture	Indeterminate domestic	3	
WH-039	N970 E1000	Surface	Wire nail	Fragment	Architectural	1	
WH-039	N970 E1000	Surface	Molded ironstone	Hollow ware, Body	Kitchen	1	
WH-039	N970 E1000	Surface	Glazed (mint green) refined white-bodied earthenware	Plate, Rim and marley	Kitchen	1	
WH-039	N970 E1000	Surface	Hard mud brick	Fragment	Architectural	2; 261.385 g	
WH-039	N970 E1000	Surface	Amber Clorox bottle with embossing	Shoulder, Machine made	Indeterminate domestic	1	"[ ]RO[ ]"
WH-039	N970 E1000	Surface	Colorless bottle	Shoulder, Machine made	Indeterminate domestic	1	
WH-039	N970 E1000	Surface	Solarized manganese glass from an indeterminate form	Flat fragment, Machine made	Indeterminate domestic	3	Thick
WH-039	N970 E1000	Surface	Embossed colorless bottle	Body, Machine made	Indeterminate domestic	3	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-039	N970 E1000	Surface	Light green soda bottle	Body, Machine made	Kitchen	7	
WH-039	N970 E1000	Surface	Solarized selenium bottle	Body, Machine made	Indeterminate domestic	1	
WH-039	N970 E1000	Surface	Colorless jar	Wide mouth threaded finish, Machine made	Kitchen	1	
WH-039	N970 E1000	Surface	Amber Clorox bottle with stippling	Body, Machine made	Indeterminate domestic	4	
WH-039	N970 E1000	Surface	Light green bottle with embossing	Body, Machine made	Kitchen	2	Part of "Coca-Cola" on fragments
WH-039	N970 E1000	Surface	Cobalt blue glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-040	N960 E1000	Surface	Colorless bottle	Body, Machine made with an applied color label	Indeterminate domestic	1	Ghost
WH-040	N960 E1000	Surface	Peach Depression glass tableware with press molded ribs	Body, Machine made	Kitchen	1	
WH-040	N960 E1000	Surface	Colorless jar	Wide mouth threaded finish, Machine made	Kitchen	1	
WH-040	N960 E1000	Surface	Colorless hollow ware	Handle, Machine made	Kitchen	1	
WH-040	N960 E1000	Surface	Indeterminate iron form	Fragment	Indeterminate hardware	1	Possible spike
WH-040	N960 E1000	Surface	Colorless bottle with stippling and embossing	Body and base, Machine made	Indeterminate domestic	1	"8"

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-040	N960 E1000	Surface	Colorless bottle with stippling	Body, Machine made	Indeterminate domestic	1	
WH-040	N960 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	14	
WH-040	N960 E1000	Surface	Colorless bottle with stippling	Base, Machine made	Indeterminate domestic	1	
WH-040	N960 E1000	Surface	Tinted milk glass tableware	Rim, Machine made	Kitchen	1	
WH-040	N960 E1000	Surface	Sapphire blue glass from an indeterminate form	Fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-040	N960 E1000	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	2	
WH-040	N960 E1000	Surface	Rubber shoe sole	Fragment	Personal	1	
WH-040	N960 E1000	Surface	Plain ironstone	Plate, Marley and bouge	Kitchen	1	
WH-040	N960 E1000	Surface	Hard mud brick	Fragment	Architectural	8; 214.633 g	
WH-040	N960 E1000	Surface	Milk glass jar	Body, Machine made	Personal	1	
WH-040	N960 E1000	Surface	Colorless glass from an indeterminate form	Neck, Machine made	Indeterminate domestic	3	
WH-040	N960 E1000	Surface	Green bottle	Body, Machine made	Indeterminate domestic	2	
WH-040	N960 E1000	Surface	Embossed colorless bottle	Base, Machine made	Indeterminate domestic	1	
WH-040	N960 E1000	Surface	Colorless glass from an indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	1	Possibly blown in mold.

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-040	N960 E1000	Surface	Plain ironstone	Eroded, Flatware, Base	Kitchen	1	
WH-040	N960 E1000	Surface	Light green soda bottle with embossing	Body, Machine made	Kitchen	5	Coca-cola bottle
WH-041	N950 E1000	Surface	Glazed (brown) porcelaneous stoneware	Insulator, Fragment	Activities	1	
WH-041	N950 E1000	Surface	Plain ironstone	Plate, Rim and marley	Kitchen	1	
WH-041	N950 E1000	Surface	Iron pipe	Fragment	Architectural	1	
WH-041	N950 E1000	Surface	Milk glass hollow ware with press molded ribs	Body, Machine made	Indeterminate domestic	2	
WH-041	N950 E1000	Surface	Plain ironstone	Plate, Marley and bouge	Kitchen	1	
WH-041	N950 E1000	Surface	Light green soda bottle with press molded ribs	Body, Machine made	Indeterminate domestic	1	
WH-041	N950 E1000	Surface	Colorless hollow ware with press molded ribs	Rim and neck, Machine made	Indeterminate domestic	1	
WH-041	N950 E1000	Surface	Colorless glass from an indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-041	N950 E1000	Surface	Embossed colorless bottle	Body, Machine made	Indeterminate domestic	1	
WH-041	N950 E1000	Surface	Hard mud brick	Fragment	Architectural	2; 196.11 g	
WH-042	N940 E1000	Surface	Colorless bottle	Body and base, Non-Owens machine made	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-042	N940 E1000	Surface	Yellowish amber glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Miscellaneous	1	
WH-042	N940 E1000	Surface	Colorless bottle	Base, Machine made with a valve mark	Indeterminate domestic	1	
WH-042	N940 E1000	Surface	Indeterminate rubber form	Fragment	Activities	1	
WH-042	N940 E1000	Surface	Colorless glass from an indeterminate form	Body, Indeterminate manufacture	Indeterminate domestic	1	
WH-042	N940 E1000	Surface	Glazed (yellow) ironstone	Hollow ware, Curved fragment	Kitchen	2	
WH-042	N940 E1000	Surface	Colorless jar	Neck and shoulder, Machine made	Indeterminate domestic	3	
WH-042	N940 E1000	Surface	Light green soda bottle	Body, Machine made	Kitchen	1	
WH-042	N940 E1000	Surface	Light green bottle with stippling	Body, Machine made	Indeterminate domestic	1	
WH-042	N940 E1000	Surface	Embossed colorless bottle	Body, Machine made	Indeterminate domestic	1	
WH-042	N940 E1000	Surface	Glazed ironstone (blue-green)	Hollow ware, Body	Kitchen	1	
WH-042	N940 E1000	Surface	Plain ironstone	Plate, Marley and bouge	Kitchen	1	
WH-042	N940 E1000	Surface	Colorless glass from an indeterminate form	Body, Machine made	Indeterminate domestic	6	
WH-042	N940 E1000	Surface	Colorless bottle	Collared ring finish, Machine made	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-042	N940 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	3	
WH-043	N930 E1000	Surface	Colorless bottle	Body, Machine made	Indeterminate domestic	2	
WH-043	N930 E1000	Surface	Solarized selenium bottle with stippling	Base, Machine made	Indeterminate domestic	1	
WH-043	N930 E1000	Surface	Amber bottle with stippling	Body, Machine made	Indeterminate domestic	1	
WH-043	N930 E1000	Surface	Plain ironstone	Plate, Bouge	Kitchen	1	
WH-043	N930 E1000	Surface	Hard mud brick	Fragment	Architectural	1; 17.216 g	
WH-043	N930 E1000	Surface	7-up green bottle	Body, Machine made	Indeterminate domestic	1	
WH-043	N930 E1000	Surface	Colorless bottle with stippling	Base, Machine made	Indeterminate domestic	1	
WH-043	N930 E1000	Surface	7-Up green indeterminate form with stippling	Body, Machine made	Indeterminate domestic	1	
WH-043	N930 E1000	Surface	Plain ironstone	Plate, Rim	Kitchen	1	
WH-044	N940 E990	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
WH-044	N940 E990	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	6	
WH-044	N940 E990	Surface	Polychrome marble	Complete, Machine made with no pontil marks	Personal	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-044	N940 E990	Surface	Colorless glass from an indeterminate form, Melted	Fragment, Indeterminate manufacture	Indeterminate domestic	1	
WH-044	N940 E990	Surface	Green glass from an indeterminate form	Body, Machine made	Indeterminate domestic	1	
WH-044	N940 E990	Surface	Porcelaneous stoneware	Spark plug, Fragment	Activities	1	"045 AC" in green
WH-044	N940 E990	Surface	Unglazed terra cotta	Hollow ware, Collared rim	Indeterminate domestic	1	
WH-045	N930 E990	Surface	Hard mud brick	Fragment	Architectural	1; 1.186 g	
WH-045	N930 E990	Surface	Plain ironstone	Flat ware, Bouge	Kitchen	1	
WH-045	N930 E990	Surface	Colorless glass from an indeterminate form	Fragment, Machine made	Indeterminate domestic	1	
WH-045	N930 E990	Surface	Plain ironstone	Hollow ware, Body	Kitchen	1	
WH-045	N930 E990	Surface	Colorless bottle with embossing	Body, Machine made	Indeterminate domestic	1	
WH-045	N930 E990	Surface	Glazed (yellow) ironstone	Hollow ware, Body	Kitchen	1	
WH-045	N930 E990	Surface	Colorless bottle with press molded ribs	Body, Machine made	Indeterminate domestic	1	
WH-046	N920 E990	Surface	Colorless bottle	Body, Machine made	Indeterminate domestic	2	
WH-046	N920 E990	Surface	Colorless bottle	Neck, Machine made	Indeterminate domestic	1	

FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-048	N1000 E1025	Surface	Colorless glass from an indeterminate form with press molded ribs	Curved fragment, Machine made	Indeterminate domestic	1	
WH-048	N1000 E1025	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	2	
WH-048	N1000 E1025	Surface	Hard mud brick	Fragment	Architectural	2; 43.139 g	
WH-049	N975 E1025	Surface	Colorless bottle	Small mouth threaded finish, Machine made	Indeterminate domestic	1	
WH-049	N975 E1025	Surface	Colorless bottle with embossing	Body, Machine made	Indeterminate domestic	1	
WH-049	N975 E1025	Surface	Hard mud brick	Fragment	Architectural	2; 15.952 g	
WH-050	N975 E1000	Surface	Milk glass jar	Body and base, Machine made	Personal	1	
WH-050	N975 E1000	Surface	Plain ironstone	Flat ware, Marley and bouge	Kitchen	2	
WH-050	N975 E1000	Surface	Colorless bottle with stippling	Body, Machine made	Indeterminate domestic	1	
WH-050	N975 E1000	Surface	Ironstone with an indeterminate decorative style	Plate, Bouge and base with foot ring	Kitchen	1	Thin green band
WH-050	N975 E1000	Surface	Scallop edged and molded painted ironstone	Flat ware, Rim and marley	Kitchen	1	Blue band along rim; dots below band; scrolled/floral design
WH-050	N975 E1000	Surface	Hard mud brick	Fragment	Architectural	2; 80.735 g	
WH-050	N975 E1000	Surface	Plain ironstone	Flat ware, Base	Kitchen	2	



FS Number	Test Location	Artifact Location	Primary Attributes	Additional Attributes	Function	Count and Weight	Comments
WH-050	N975 E1000	Surface	Colorless glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	3	
WH-050	N975 E1000	Surface	Plain ironstone	Flat ware, Rim	Kitchen	1	
WH-050	N975 E1000	Surface	Bristol glazed buff-bodied stoneware	Hollow ware, Body	Kitchen	2	
WH-050	N975 E1000	Surface	Light aqua glass from an indeterminate form	Curved fragment, Machine made	Indeterminate domestic	2	
WH-050	N975 E1000	Surface	Plain ironstone	Indeterminate form, Flat fragment	Kitchen	1	
WH-050	N975 E1000	Surface	Plain ironstone	Hollow ware, Body	Kitchen	2	
WH-051	N1000 E975	Surface	Hard mud brick	Fragment	Architectural	5; 259.181 g	
WH-052	N975 E975	Surface	Hard mud brick	Fragment	Architectural	2; 19.921 g	
WH-052	N975 E975	Surface	Light aqua window glass	Flat fragment, Machine made	Architectural	1	
WH-053	N1000 E950	Surface	Hard mud brick	Fragment	Architectural	5; 280.713 g	

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**Date:** December 12, 2012

**To:** Mr. Mark Lusk  
U.S. Department of Energy  
National Energy Technology Laboratory  
3610 Collins Ferry Road, P.O. Box 880, MS B07  
Morgantown, WV 26507-0880  
(304) 285-4145

**Re:** **Addendum Letter Report No. 1 - Additional Cultural Resource Survey for the Proposed NRG Energy W. A. Parish Post-Combustion CO<sub>2</sub> Capture and Sequestration Project, Fort Bend, Wharton, and Jackson Counties, Texas for NRG Energy/Petra Nova LLC and U.S. Department of Energy (DOE, National Energy Technology Laboratory (NETL))**

(Recovery Act: Demonstration of CO<sub>2</sub> Capture, Enhanced Oil Recovery (EOR) and Sequestration)

Dear Mr. Lusk:

This letter provides cultural resource survey results for an additional 11.68 miles (18.76 kilometers) of proposed pipeline corridor, 10.63 acres (4.30 hectares) of additional temporary workspace (ATWS), 6.71 miles (10.80 kilometers) of proposed access road, and seven (7) trenching locations that were assessed in association with NRG Energy (NRG) W.A. Parish Post-Combustion CO<sub>2</sub> Capture and Sequestration Project, located within Fort Bend, Wharton, and Jackson Counties, Texas (Figure 1). The archaeological Area of Potential Effect (APE) for these areas was defined as generally an approximately 100 ft (30 m) wide survey corridor; this represents approximately 160.55 acres (65.0 hectares) of additional survey area associated with the project. The primary route for the above project was surveyed and reported to U.S. Department of Energy (DOE) and the Texas Historical Commission (THC) earlier this year (Poche et al. 2012). Following that, additional cultural resources assessment was conducted in association with proposed changes required for pipeline alignment routing.

This additional Phase I cultural resource field survey was performed by two-person URS Corporation, Inc. (URS) archaeological teams between September and November of 2012. Background data on the project area's natural and cultural settings can be found in the Phase I report (Poche et al. 2011). The purpose of this letter report is to communicate the results of the additional Phase I cultural resource field survey for your office's review.

### **SURVEY METHODOLOGY**

The methods used for the survey were those approved by the THC for the previously submitted portion of the NRG W.A. Parish Post-Combustion CO<sub>2</sub> Capture and Sequestration Project (Poche et al. 2012). This Phase I cultural resources survey effort was comprised of linear transect survey involving systematic pedestrian survey augmented by shovel testing within the entire project corridor. In general, a single survey transect was placed within the middle of the 100 ft (30 m) wide survey corridor. Transect survey methods allowed for these portions of the proposed survey corridor to be assessed in a systematic and uniform manner and assist with the identification and delineation of any cultural resources encountered as a result of the survey effort. Standardized survey segment forms recorded whether each segment was evaluated using Low, Moderate, or High Potential survey methods (see below).

Shovel tests displayed an average excavated diameter of 12 in (30 cm) and they were excavated to at least 20 in (50 cm) below surface, unless impenetrable subsoils or ground water was encountered. If the soil types encountered indicated the potential for more deeply buried sites, the depth of the shovel test was increased accordingly, up to 39 in (100 cm) below surface. All shovel tests were excavated in natural soil layers at 4-in or 8-in (10 or 20 cm) intervals and all excavated soils were screened through ¼-inch mesh, unless water-saturated or compacted clay, in which case they were hand sorted by trowel. When cultural materials were encountered, the base of the shovel test excavation was extended to at least 16 in (40 cm) beneath the last occurrence of cultural materials.

Munsell© charts were used to describe soil color. Standard soils nomenclature was used in the description of the excavated sediments associated with each shovel test. All of the excavated shovel tests were backfilled immediately upon the completion of the excavation process. Shovel testing was not conducted in areas where the landform slope was greater than 20%; where safety hazards (such as buried utilities) existed and the shovel test could not be offset; or where standing water, impenetrable clays, environmental hazards, or impervious substrates (e.g. asphalt roads) were encountered. The above information concerning each shovel test location was recorded on standardized shovel test forms; any shovel test that could not be excavated due to one or more of the above reasons was identified.

All recovered cultural materials were recorded in the field using electronic standardized field collection techniques using an electronic field data collection device (e.g., Toughbook, Yuma, or similar). GPS data collectors with sub-meter accuracy were used to record the beginning and endpoint of survey transects, pipeline inflexion (PI) points, survey areas, access roads, site and datum locations, and the corners of any standing structures encountered during the course of this investigation. Digital photographs were taken of all survey areas to document current conditions. Detailed pace-and-compass maps for all encountered cultural resources were also produced.

**Survey Methods in Low Archaeological Potential Areas**

Where extensive pastoral or agricultural cultivation is present, ground surface exposures exceed 50 percent, and the likelihood of buried archaeological sites is considered low (based on soil types and topography), systematic pedestrian survey was seen as an adequate survey methodology, augmented with judgmental shovel tests to confirm soil conditions. Each judgmental shovel test was excavated at an interval of 1,320 ft (400 m) (Table 1).

**Table 1 : Proposed Shovel Test Intervals**

Shovel Test Width	Shovel Test Depth	Low Probability Interval	Moderate Probability Interval	High Probability Interval
30 cm (12 in)	50 cm (20 in)	400 m (1312 ft)	100 m (328 ft)	50 m (164 ft)

**Survey Methods in Moderate Archaeological Potential Areas**

In areas with poorly draining soils that are located away from defined drainages, but where buried sites are considered possible, shovel tests were excavated at 328 ft (100 m) intervals along the primary survey transect located within the 100 foot (30 m) wide survey corridor (Table 1).

**Survey Methods in High Archaeological Potential Areas**

High archaeological site potential for this project includes all elevated landforms such as ridges or hills, and all landforms close to natural water drainages; in general, this encompassed approximately 1,312 ft (400 m) to either side of a well-defined drainage. In these areas, shovel tests were excavated at 164 ft (50 m) intervals along the primary transect of the proposed pipeline (Table 1). Judgmentally placed shovel

tests on top of landforms were used if the landform was less than 164 ft (50 m) in width. When cultural materials were encountered within areas defined as having Low or Moderate Archaeological Potential, the survey crew immediately changed to the High Potential shovel testing intervals and the site delineation methods presented further below were also implemented.

### **Access Roads**

Access roads are irregular linear features providing access from an existing built (i.e., paved) road to the project corridor or ancillary facility. If the access road was designated as a public road, was constructed of asphalt, concrete, or built-up, compacted gravel, and no additional improvements (i.e., straightening) or construction were required during its use for this project, only a visual examination of the road sidewalls for cultural resources was conducted. For those access roads that required new construction, or were unimproved gravel or dirt roads, or where improvements (i.e., straightening, building up, etc.) were proposed during the course of the project, a systematic cultural resources survey of the access road was conducted. A single lineal survey transect was placed to either side of the proposed access road, approximately 50 ft (15 m) from the access road sidewall; this provided approximately 100 ft (30 m) of survey coverage to either side of the existing access road. Shovel test spacing along each survey transect followed those noted in Table 1, above. Information associated with the cultural resources survey of these access roads was collected on standardized access road forms loaded onto the Trimble Geo-XT, Yuma, and/or Toughbook.

### **Horizontal Directional Drill (HDD) Trenching**

The DOE sent a letter to the THC on February 10, 2012, notifying them of the NRG pipeline component and supplying a scope of work for the initial proposed study. THC responded that they accepted the scope on February 23, 2012, with the addition of mechanized trenching near river crossings in order to verify that no deeply buried archaeological deposits were present. The DOE submitted a scope of work for mechanized trenching to the THC on April 25, 2012 and THC responded on May 14, 2012 accepting the proposed scope of work. Seven (7), 10 ft (3.05 m) long, 3 ft (1 m) wide, by 4 ft (1.22 m) deep trenches were excavated perpendicular to the pipeline corridor adjacent to waterbodies that would be crossed using HDD construction techniques. Based on the potential for deeply buried cultural resources to be present in proposed HDD construction areas, these trenches were located in the following planned HDD crossings: Big Creek – West; San Bernard River – East and West; Colorado River – East and West; Lavaca River – West; and Menefee Bayou – East (Figure 1).

The results of the pipeline corridor, ATWS, access road, and trenching investigations are summarized below.

### **FIELDWORK RESULTS SUMMARY**

During September and November of 2012, URS conducted a Phase I cultural resource survey and inventory for additional corridor, ATWS, access road, and trenching locations associated with the proposed NRG Energy W.A. Parish Post-Combustion CO<sub>2</sub> Capture and Sequestration Project. Project personnel assigned to the fieldwork component of this project were Mr. Martin Handly (MA), Ms. Stephanie Perrault (MA), Ms. Michelle Davenport (MA), Ms. Shelley Hartsfield (MA), Mr. Hilary Dafoe (BA), Ms. Patricia Hutchins (BA), Mr. Gary Hawkins (BA), and Ms. Kristen Kennedy (BA). In addition, Mr. Jeff Watts and Mr. Anthony Spainhour (USA Environment, LP) provided the backhoe services for the trenching excavations.

As of November 21, 2012, with the exception of a single proposed 0.137 mile (220 m) long access road in Wharton County and a proposed 2.3 mile (3.70 km) long pipeline corridor reroute, all in Wharton County, the entire proposed pipeline construction corridor and associated access roads for the NRG

Project have been surveyed for cultural resources. Once land access has been granted for the remaining access road and pipeline corridor reroute, fieldwork will be initiated and a second addendum report will be prepared and submitted to the DOE and THC for your review.

Fieldwork for this project consisted primarily of visual inspection and systematic pedestrian survey and shovel testing. The field crews systematically surveyed 11.68 miles (18.76 km) of preferred and/or abandoned pipeline corridor, 11 access roads, measuring 6.71 miles (10.80 km) in length, seven (7) additional temporary workspaces (ATWS), totaling 10.63 acres (4.30 ha) in extent, and seven (7) HDD trenching locations. Of a proposed 261 shovel tests associated with the project area, 248 shovel tests (95.0%) were excavated and 13 were not excavated, as the latter fell within areas displaying standing water, paved roadways, and/or buried utilities. The investigation resulted in the identification of no cultural resources; a summary of the survey effort associated with the corridor segments, ATWS locations, and access roads is presented below.

### **Pipeline Reroute Corridor Survey**

Fieldwork for this current investigation consisted of visual inspections and systematic shovel testing at low, moderate, and high archaeological potential intervals along 11.68 miles (18.76 km) of preferred and/or abandoned pipeline corridor (Table 2). During the survey effort, the survey corridor was divided into a total of 20 segments, based upon the type of assessment methodology that was used during the investigation (Table 2; Figures 2 to 12). One (1) segment was assessed visually, due to the presence of inundated wetlands (Segment RR-JK-05). This segment was assessed visually and subjected to photo-documentation; this represented approximately 7.0% of the currently assessed pipeline corridor.

Five (5) segments displayed ground surface visibility greater than 50% and they were assessed via systematic pedestrian survey (i.e., low probability) along two (2) transects spaced 50 ft (15 m) apart; shovel testing was conducted at 1,320 ft (400 m) intervals. Ground surface exposure was a result of recently plowed and disked agricultural fields, which paralleled and/or overlapped with the current survey corridor. In total, low potential survey methods were implemented on approximately 24.9% of the corridor.

The remaining segments were located on pastureland or overgrown utility corridors and they were assessed at either moderate or high potential. The four (4) segments located within 1,320 ft (400 m) of naturally flowing waterways/drainages were assessed at high archaeological potential with shovel tests excavated at 164 ft (50 m) intervals; this represented 24.3% of the proposed corridor reroutes. The remaining 10 segments were assessed at moderate potential, with shovel test intervals of 328 ft (100 m); this accounted for the remaining 43.8% of the survey corridor.

### **Additional Temporary Workspace Survey**

Seven (7) additional temporary workspaces (ATWS), horizontal directional drill (HDD) locations, and/or drill pullbacks, totaling 10.63 acres (4.30 ha) in extent, were examined for their potential to contain cultural materials (Table 4; Figures 2 to 12). Two (2) locations were examined visually, as they were positioned in areas of inundated wetlands and/or buried utilities. For the remaining five (5) locations, a total of 34 shovel tests were excavated. No cultural resources were identified; representative soil profiles associated with shovel tested ATWS locations are presented in Table 5, below.

**Table 2: Pipeline Corridor Reroute Summary Table**

Reroute Name	Length (mi)	Length (m)	MP (approx.)	Survey Methodology	Shovel Tests - Excavated	Shovel Tests - Not Excavated
RR-FB-01	0.45	730	7.7 to 8.2	Moderate	9	0
RR-WH-01	1.31	2100	33.1 to 34.4	Moderate	24	0
RR-WH-02	1.17	1875	33.7 to 34.9	High	41	1
RR-WH-03	1.08	1740	34.9 to 36.0	High	35	4
RR-WH-04	0.22	360	35.5 to 35.7	Moderate	4	1
RR-WH-05	0.68	1090	35.7 to 36.0	Low	4	0
RR-WH-06	0.73	1180	36.0 to 36.8	Low	5	0
RR-WH-07	0.65	1040	36.4 to 37.0	Moderate	10	2
RR-WH-08	0.09	140	36.7 to 36.8	High	4	0
RR-WH-09	0.56	900	37.0 to 37.6	Low	4	0
RR-WH-10	0.35	570	56.2 to 56.5	Moderate	6	1
RR-WH-11	0.53	850	56.5 to 57.0	Low	4	0
RR-WH-12	0.30	475	57.0 to 57.2	Moderate	5	1
RR-WH-13	0.41	660	57.2 to 57.7	Low	3	0
RR-JK-01	0.22	360	57.7 to 57.9	Moderate	4	0
RR-JK-01	0.47	735	58.2 to 58.6	Moderate	10	0
RR-JK-02	0.17	280	58.7 to 58.9	Moderate	4	0
RR-JK-03	0.97	1560	59.8 to 60.8	Moderate	19	0
RR-JK-04	0.50	800	78.5 to 79.1	High	19	0
RR-JK-05	0.82	1320	79.0 to 79.8	Visual	0	0
<b>Total</b>	<b>11.68</b>	<b>18765</b>		<b>Total</b>	<b>214</b>	<b>10</b>

**Table 3: Typical Reroute Shovel Test Profiles**

Reroute Name	Stratum	Depth (cm)	Munsell	Color	Soil Texture
RR-FB-01	I	0-50	10YR 4/4	Dark yellowish brown	Sandy loam
RR-WH-01	I	0-50	10YR 4/2	Dark grayish brown	Clay
RR-WH-02	I	0-50	10YR 4/4	Dark yellowish brown	Sandy loam
RR-WH-03	I	0-50	10YR 4/4	Dark yellowish brown	Silty clay
RR-WH-04	I	0-50	10YR 4/1	Dark gray	Clay
RR-WH-05	I	0-50	10YR 4/1	Dark gray	Sandy clay
RR-WH-06	I	0-50	10YR 4/4	Dark yellowish brown	Silty clay
RR-WH-07	I	0-50	10YR 5/2	Grayish brown	Clay
RR-WH-08	I	0-50	10YR 4/4	Dark yellowish brown	Clay
RR-WH-09	I	0-20	10YR 5/2	Grayish brown	Silty loam
	II	20-50	10YR 4/1	Dark gray	clay
RR-WH-10	I	0-50	10YR 5/2	Grayish brown	Sandy loam
RR-WH-11	I	0-50	10YR 4/4	Dark yellowish brown	Sandy loam
RR-WH-12	I	0-50	10YR 4/1	Dark gray	Clay
RR-WH-13	I	0-40	10YR 5/2	Grayish brown	Sandy loam
	II	40-50	10YR 4/1	Dark gray	Sandy clay
RR-JK-01	I	0-40	10YR 5/2	Grayish brown	Sandy loam
	II	40-50	10YR 4/2	Dark grayish brown	Sandy clay
RR-JK-01	I	0-20	10YR 5/3	Brown	Sandy loam
	II	20-50	10YR 4/2	Dark grayish brown	Clay
RR-JK-02	I	0-50	10YR 5/1	Gray	Clay
RR-JK-03	I	0-50	10YR 4/4	Dark yellowish brown	Sandy loam
RR-JK-04	I	0-50	10YR 5/1	Gray	Clay

**Table 4: ATWS Summary Table**

ATWS Name	Size (ac)	MP (approx.)	Survey Methodology	Shovel Tests - Excavated	Shovel Tests - Not Excavated
ATWS-WH-01	0.27	20.4	High	3	0
ATWS-WH-02	0.56	34.4	High	5	0
ATWS-WH-03	4.61	34.4	Moderate	12	0
ATWS-WH-04	0.59	35.3	High	6	0
ATWS-WH-05	3.50	35.5	Moderate	8	0
ATWS-JK-01	0.76	79.6	Visual	0	0
ATWS-JK-02	0.34	80.5	Visual	0	0
Total	10.63		Total	34	0

**Table 5: Typical Survey Area Shovel Test Profiles – All Counties**

ATWS Name	Stratum	Depth (cm)	Munsell	Color	Soil Texture
ATWS-WH-01	I	0-20	10YR 4/4	Dark yellowish brown	Clay
	II	20-50	10YR 4/2	Dark grayish brown	Clay
ATWS-WH-02	I	0-35	10YR 4/4	Dark yellowish brown	Sandy loam
	II	35-50	10YR 6/2	Light brownish gray	Sand
ATWS-WH-03	I	0-50	10YR 4/3	Brown	Sandy clay
ATWS-WH-04	I	0-10	10YR 4/4	Dark yellowish brown	Sandy clay
	II	10-50	10YR 4/6	Dark yellowish brown	Clay
ATWS-WH-05	I	0-30	10YR 4/3	Brown	Sandy clay
	II	30-50	10YR 4/6	Dark yellowish brown	Clay
ATWS-JK-02	I	0-50	10YR 5/1	Gray	Clay

**Access Road Survey**

Eleven (11) access roads, measuring 6.71 mi (10.80 km) in length, were assessed (Table 6; Figures 2 to 12). All of these roads were comprised of built-up, compacted gravel roads where no additional improvements (i.e., straightening) or construction would be required during this project or were constructed on top of dredged (bermed) substrate. These roads were subjected to pedestrian examination of the road sidewalls and adjacent lands. No shovel tests were excavated along these 11 proposed access roads and no cultural resources were identified as a result of these investigations.

**Table 6: Access Road Summary Table**

Name	Length (mi)	Length (m)	MP (approx.)	Survey Methodology
TAR-23.53	0.69	1107	23.5	Visual
AR-WH-024.500-A	0.72	1152	33.5	Visual
AR-WH-024.500-B	0.50	797	33.75	Visual
AR-WH-024.500-C	1.74	2797	34.5	Visual
AR-2359	0.25	399	37.0	Visual
AR-2286	0.75	1212	37.5	Visual
TAR-38.01 (AR-2289)	0.11	176	38.5	Visual
PAR-48.59 (AR-2288)	0.03	54	49.5	Visual
TAR-56.36 TAR-56.42	0.75	1206	57.0	Visual
TAR-58.19 (AR-2287)	0.07	111	59.0	
PAR-68.49	1.11	1787	69.25	Visual
<b>N=11</b>	<b>6.71</b>	<b>10,798</b>		



### **Trenching Results**

Seven (7), 10 ft (3.05 m) long, 3 ft (1 m) wide, by 4 ft (1.22 m) deep trenches were excavated perpendicular to the pipeline corridor adjacent to waterbodies that would be crossed using HDD construction techniques. These trenches were located in the following planned HDD crossings: Big Creek – West; San Bernard River – East and West; Colorado River – East and West; Lavaca River – West; and Menefee Bayou – East (Figure 1).

The trenching methodology for the seven (7) trenching locations was confined to the approximate boundaries of the proposed entry/exit points. The HDD borehole size is anticipated to be approximately 20 to 24 inches (51 to 61 cm) in diameter. During pipeline construction, a pit measuring approximately ten ft by ten ft (2.6 m by 2.6 m) in areal extent and approximately four ft (1.2 m) in depth would be excavated at each HDD entry and exit point to contain drilling muds. A ten-ft (3.0 m) long, four-ft (1.2 m) deep trench, oriented perpendicular to the pipeline corridor, was excavated at each of the above trenching locations. Trenching was conducted a small tracked backhoe with a smooth (i.e., clean-up) bucket measuring approximately three feet (0.9 m) in width. The trenches were excavated in approximately six-inch (15-cm) intervals to allow for examination of the exposed trench soils and sidewalls. The excavated matrix was side-cast and one (1) archaeologist visually examined the soils for any evidence of cultural materials, while the exposed bottom of the trenches were examined by another archaeologist to ensure that any cultural features present in the trench floor could be identified. No evidence of cultural resources was identified as a result of these investigations at these seven (7) trenching locations.

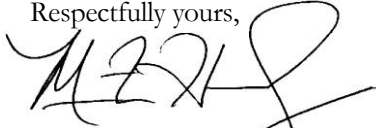
Representative soil profiles were drawn and photographed for each exposed trench face once the maximum depth of four feet (1.2 m) was reached. For health and safety reasons, survey personnel did not enter portions of the trench that were deeper than four feet (1.2 m) in depth. Once observations were completed for each trench (Table 7; Figures 13 and 14), excavated soils were placed back into the trench and the ground surface returned to preexisting contours. As a result of these investigations, no exposed archaeological materials and/or subsurface features were noted. Planviews, HDD locality photographs, and typical profiles are presented in Figures 15 through 28, following.

### **Conclusion and Recommendation**

This component of the Phase I cultural resource survey conducted by URS for the NRG Energy (NRG) W.A. Parish Post-Combustion CO<sub>2</sub> Capture and Sequestration Project was comprised of 11.68 miles (18.76 km) of preferred and/or abandoned pipeline corridor, 11 access roads, measuring 6.71 miles (10.80 km) in length, seven (7) additional temporary workspaces (ATWS), totaling 10.63 acres (4.30 ha) in extent, and seven (7) HDD trenching locations. No historic structures, features, or archaeological materials were encountered during these investigations.

Based on these findings, URS recommends that no further cultural resource studies be required within these additional survey areas. Once DOE has received a concurrence letter from the THC stating “No Historic Properties Affected – Project May Proceed”, URS will then prepare the Final Phase I Cultural Resources Report, including the original report and this addendum, for submission to DOE.

Respectfully yours,



Martin Handly (MA)  
Cultural Resource Manager  
URS Corporation, Baton Rouge Office  
Email: [martin.handly@urs.com](mailto:martin.handly@urs.com)



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cc: Jon Barfield - NRG

**Table 7: HDD Location Stratigraphy**

HDD Location	Stratum	Top (cm)	Bottom (cm)	Munsell	Color	Texture
<b>Big Creek - West</b>	I	0	25	10YR 4/3	Brown	Silty clay
	II	25	50	10YR 2/2	Very dark brown	Clay
	III	50	60	2.5YR 3/2 2.5YR 4/4 10YR 3/6	Dusky red Reddish brown Dark yellowish brown	Clay
	IV	60	73	2.5YR 4/4 10YR 5/8	Reddish brown Yellowish brown	Clay
	V	73	122	2.5Y 5/4 2.5Y 6/2	Light olive brown Light brownish gray	Sandy clay
<b>San Bernard River - East</b>	I	0	19	7.5YR 2.5/1	Black	Silty clay
	II	19	27	10YR 2/2	Very dark brown	Clay
	III	27	42	7.5YR 2.5/2	Very dark brown	Clay
	IV	42	73	10YR 2/1	Black	Clay
	V	73	104	10YR 3/4	Dark yellowish brown	Clay
	VI	104	122	7.5YR 3/4	Dark brown	Clay
<b>San Bernard River - West</b>	I	0	14	10YR 2/2	Very dark brown	Clay
	II	14	30	7.5YR 2.5/2	Very dark brown	Clay
	III	30	62	10YR 2/1	Black	Clay
	IV	62	90	10YR 3/3	Dark brown	Clay
	Impenetrable, hard pan					
<b>Colorado River - East</b>	I	0	56	10YR 4/3	Brown	Clay
	II	56	91	10YR 7/4	Very pale brown	Silty clay
	III	91	112	10YR 4/4	Dark yellowish brown	Clay
	IV	112	122	10YR 6/4	Light yellowish brown	Silty clay
<b>Colorado River - West</b>	I	0	51	10YR 3/3	Dark brown	Clay
	II	51	76	7.5YR 3/4	Dark brown	Silty clay
	III	76	102	10YR 5/4	Yellowish brown	Silty clay
	IV	102	122	10YR 3/3	Dark brown	Clay
<b>Lavaca River - West</b>	I	0	81	10YR 4/1	Dark gray	Clay
	II	81	112	10YR 5/1	Gray	Silty clay
	III	112	122	10YR 7/2	Light gray	Sandy clay
<b>Menefee Bayou - East</b>	I	0	80	10YR 4/1	Dark gray	Clay
	II	80	107	10YR 5/2	Grayish brown	Silty clay
	III	107	122	10YR 6/1	Gray	Sandy clay

## References Cited

- Poche, L., M. Whitehead, H. Dafoe, P. Hutchins, M. Sandell, and M. Handly  
2012 *Phase I Cultural Resources Investigation – Proposed NRG Energy W. A. Parish Post-Combustion CO<sub>2</sub> Capture and Sequestration Project, Fort Bend, Wharton, and Jackson Counties, Texas*. Prepared for NRG Energy/Petra Nova LLC and US Department of Energy, National Energy Technology Laboratory.

Figure 1: Project Overview Map

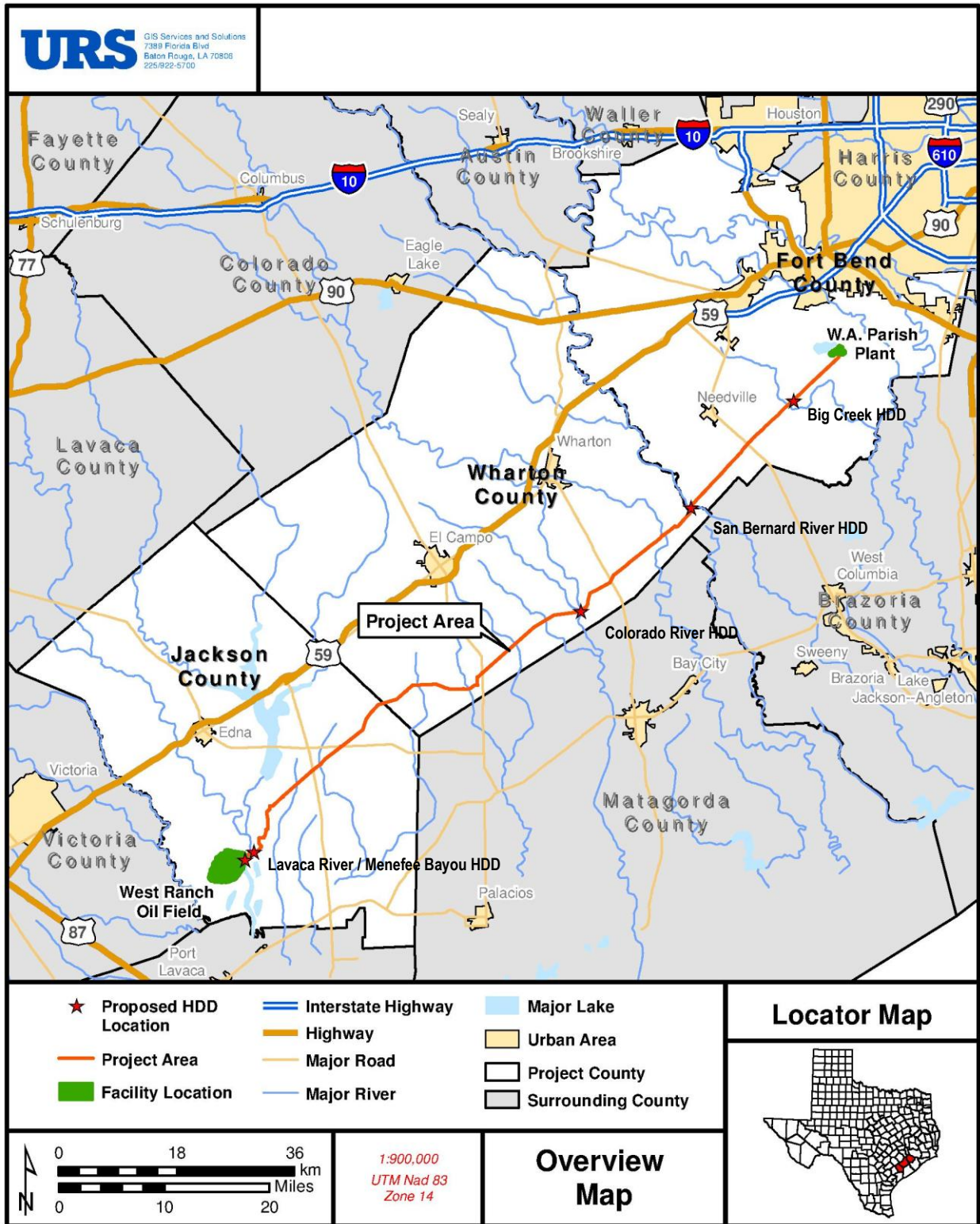


Figure 2: Additional NRG Survey Areas – Mapsheet 1 of 11

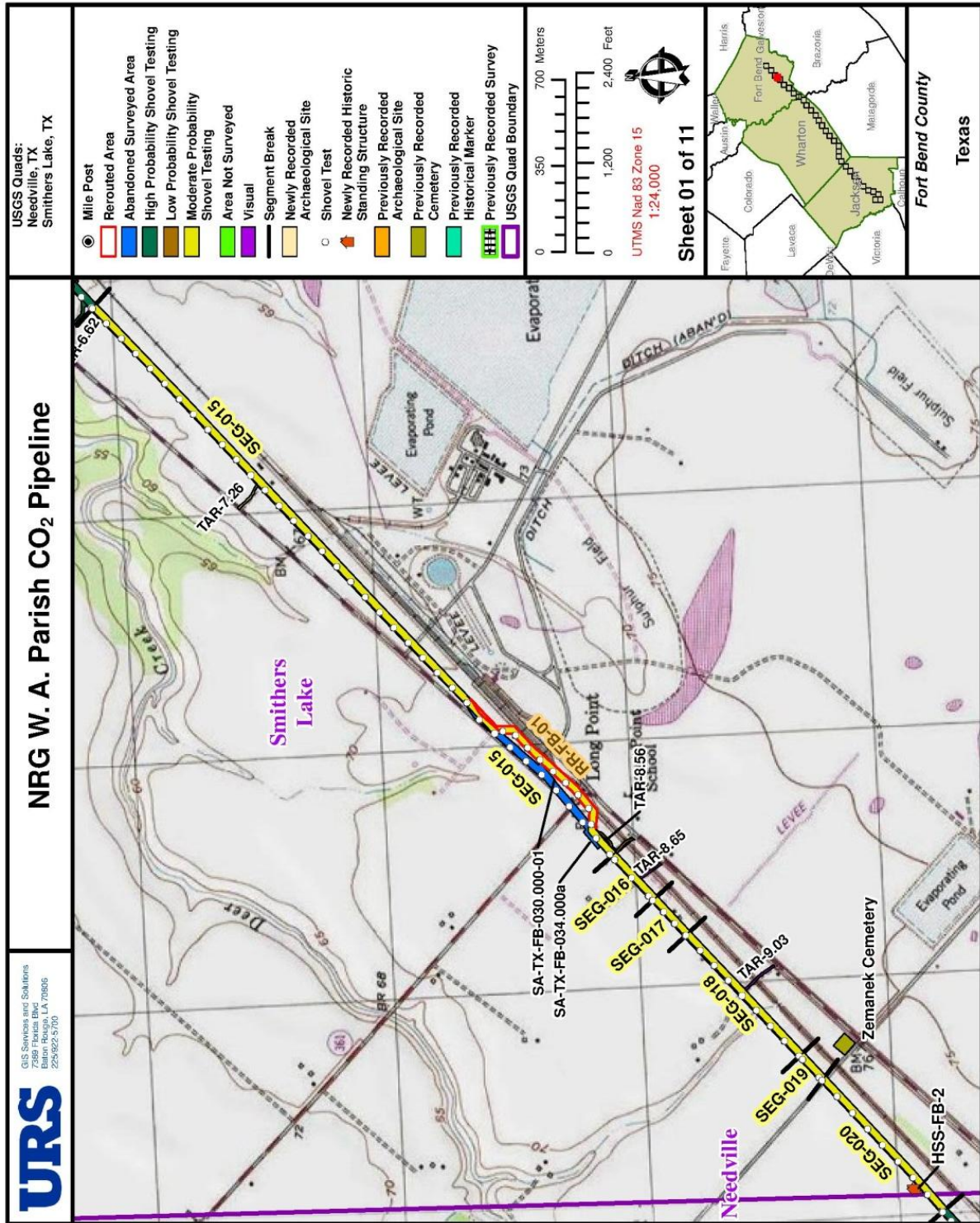
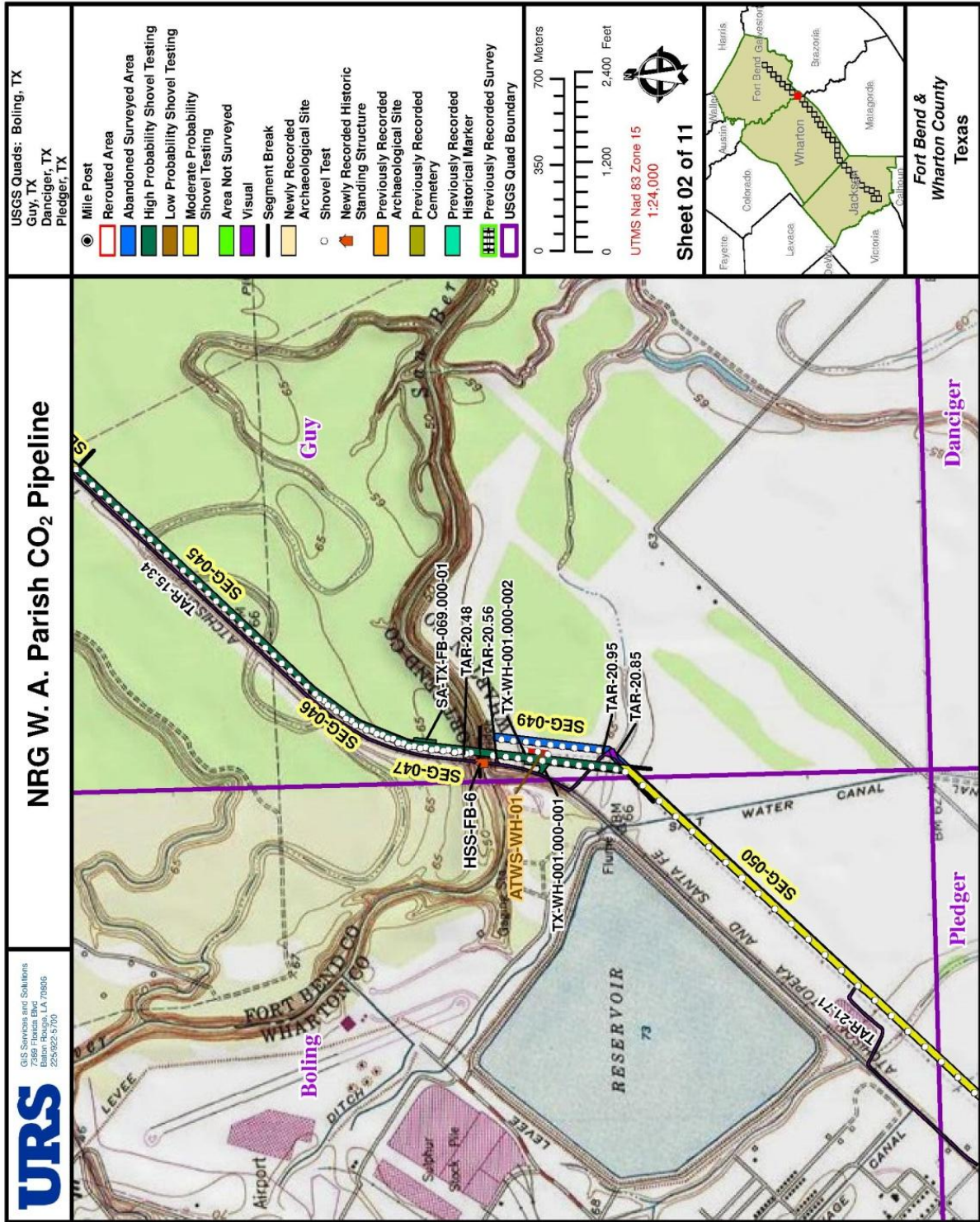


Figure 3: Additional NRG Survey Areas – Mapsheet 2 of 11



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Figure 5: Additional NRG Survey Areas – Mapsheet 4 of 11

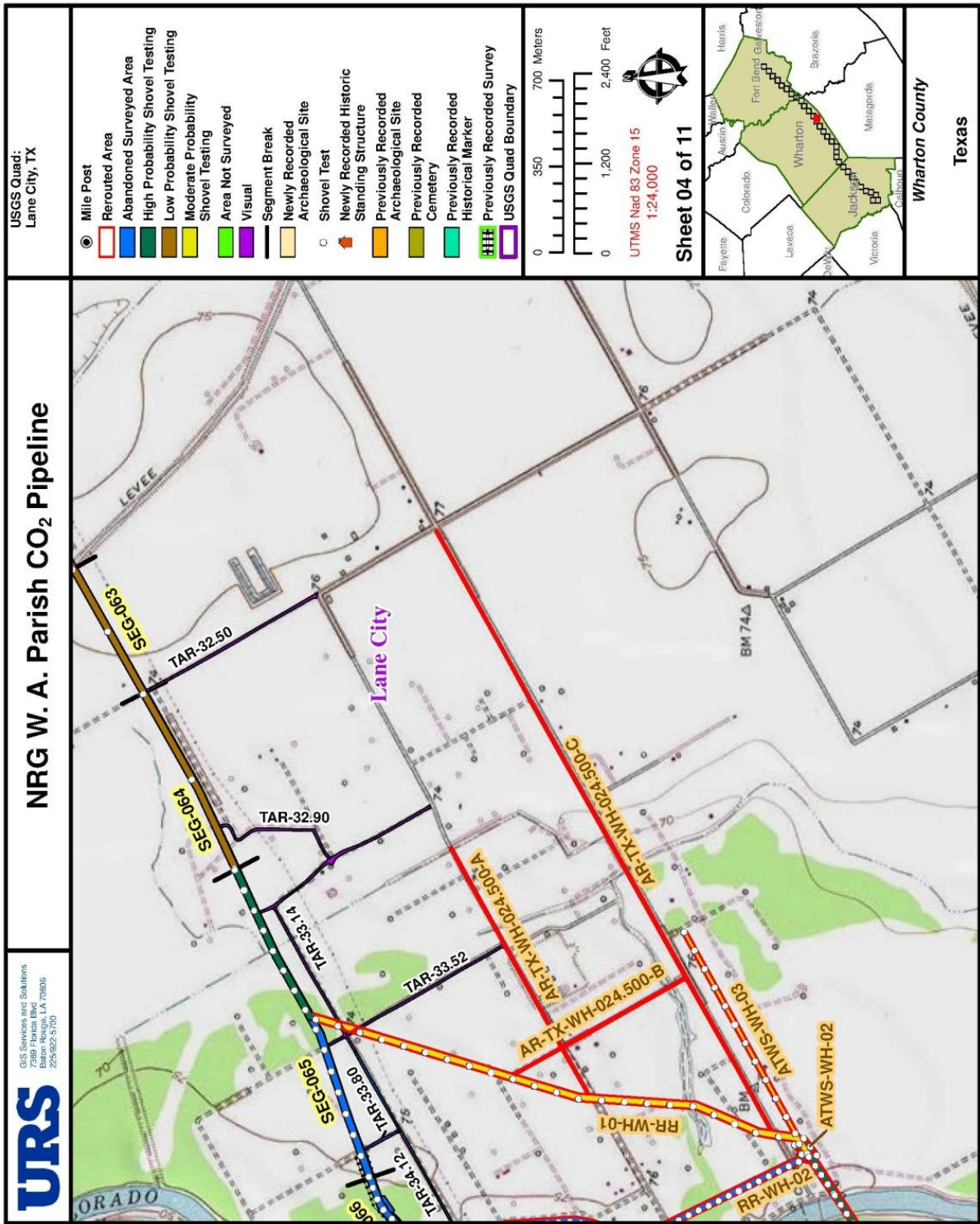


Figure 6: Additional NRG Survey Areas – Mapsheet 5 of 11

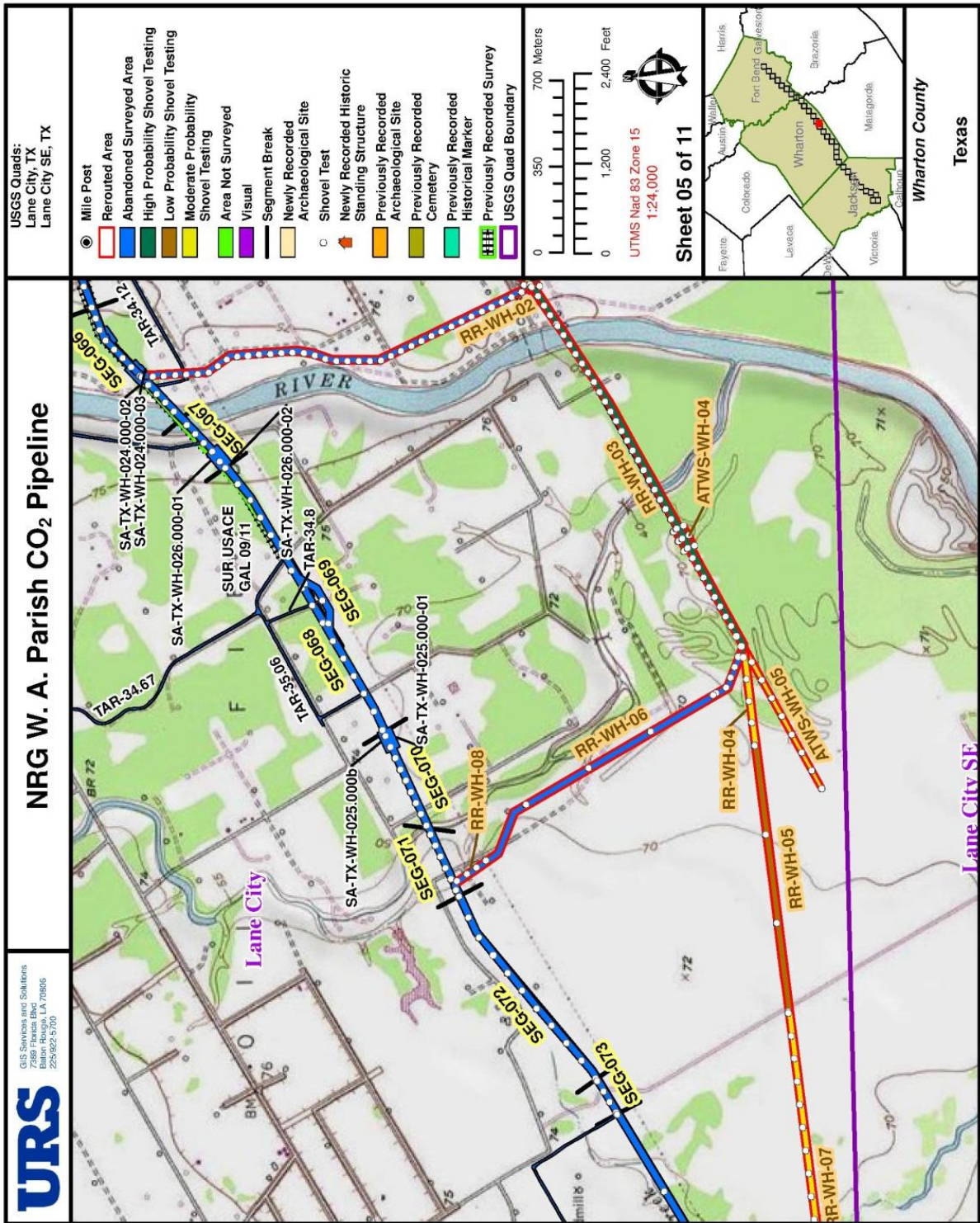
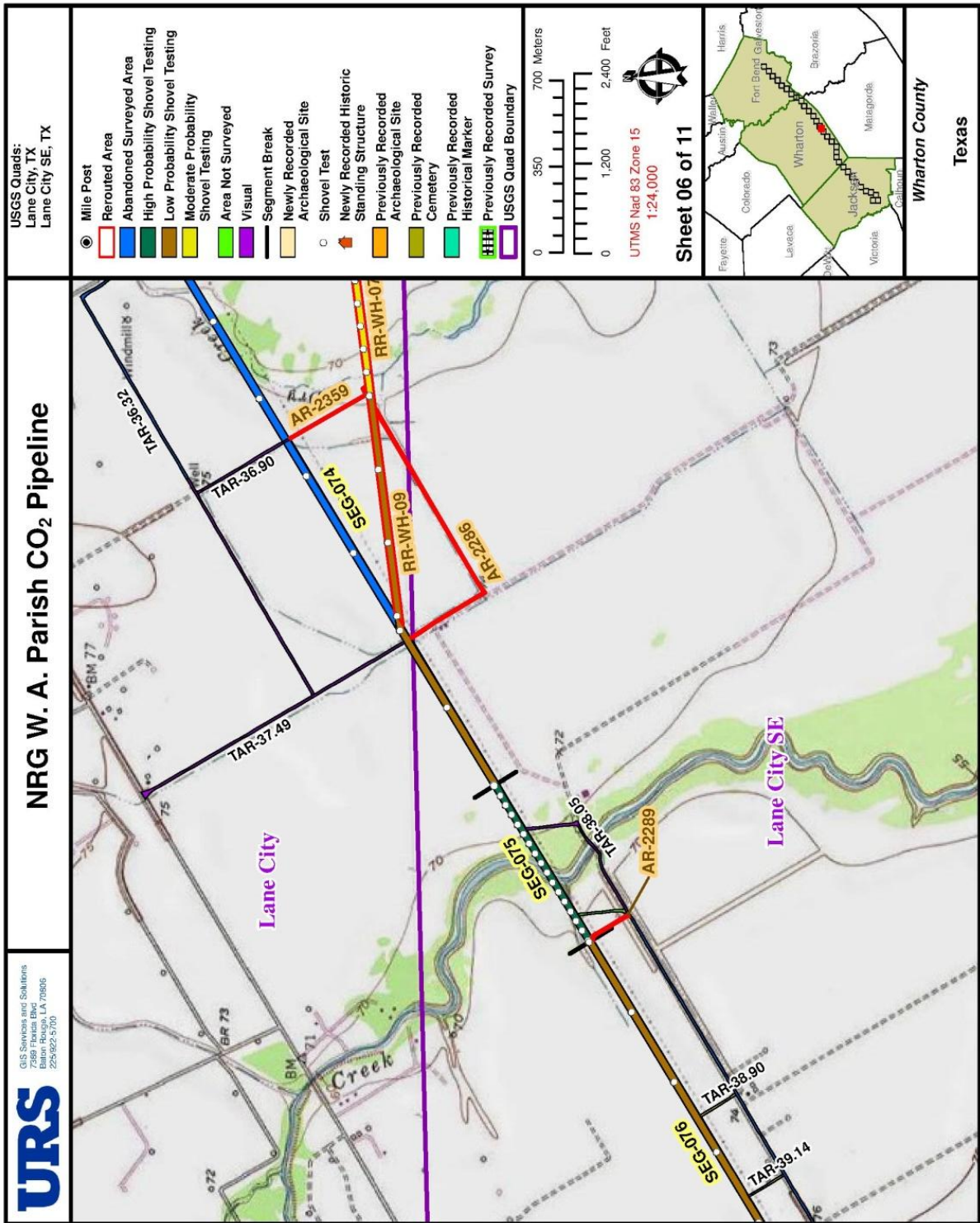


Figure 7: Additional NRG Survey Areas – Mapsheet 6 of 11



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Figure 9: Additional NRG Survey Areas – Mapsheet 8 of 11

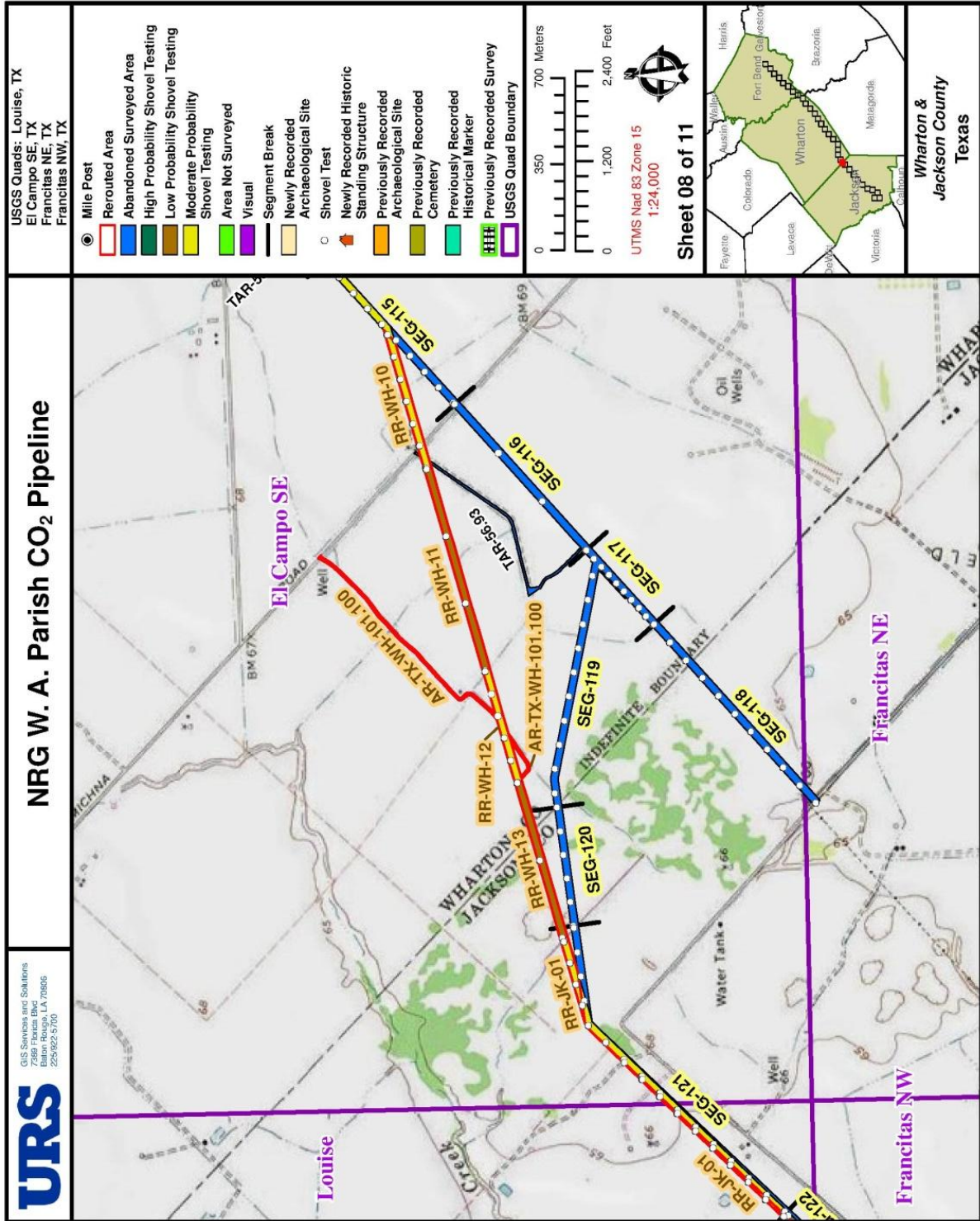


Figure 10: Additional NRG Survey Areas – Mapsheet 9 of 11

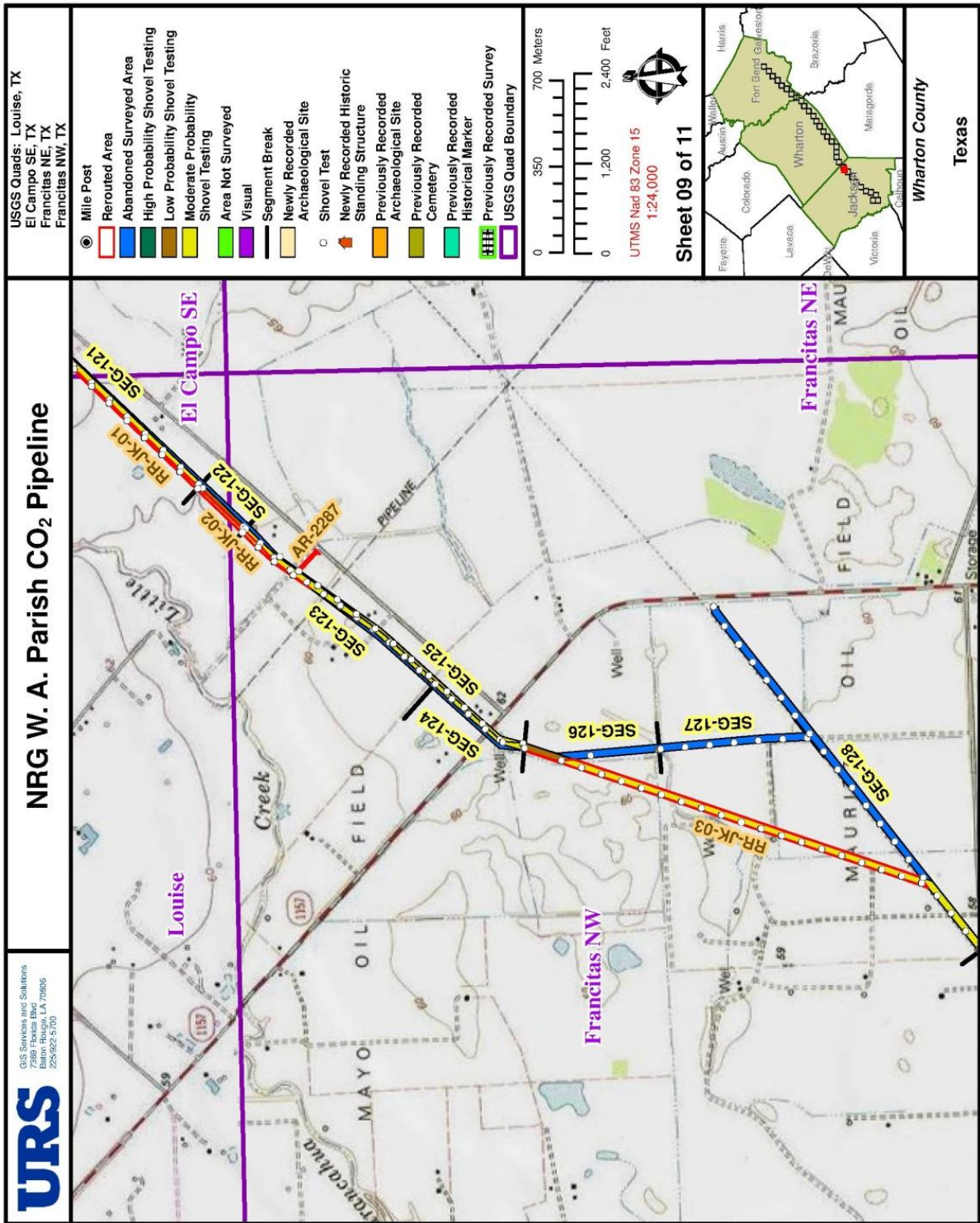
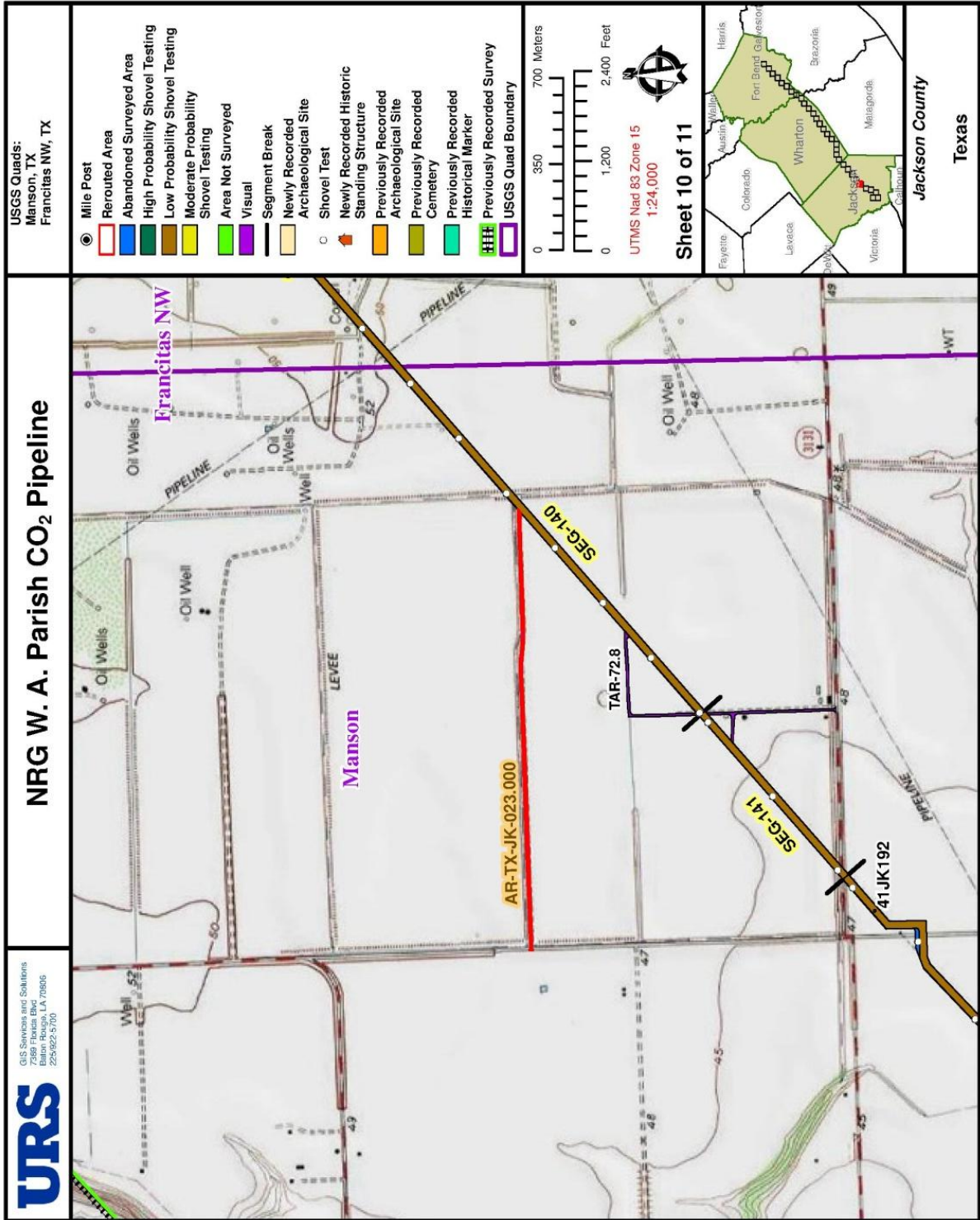


Figure 11: Additional NRG Survey Areas – Mapsheet 10 of 11



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Figure 13: HDD Location, Representative Stratigraphic Profiles (Sheet 1 of 2)

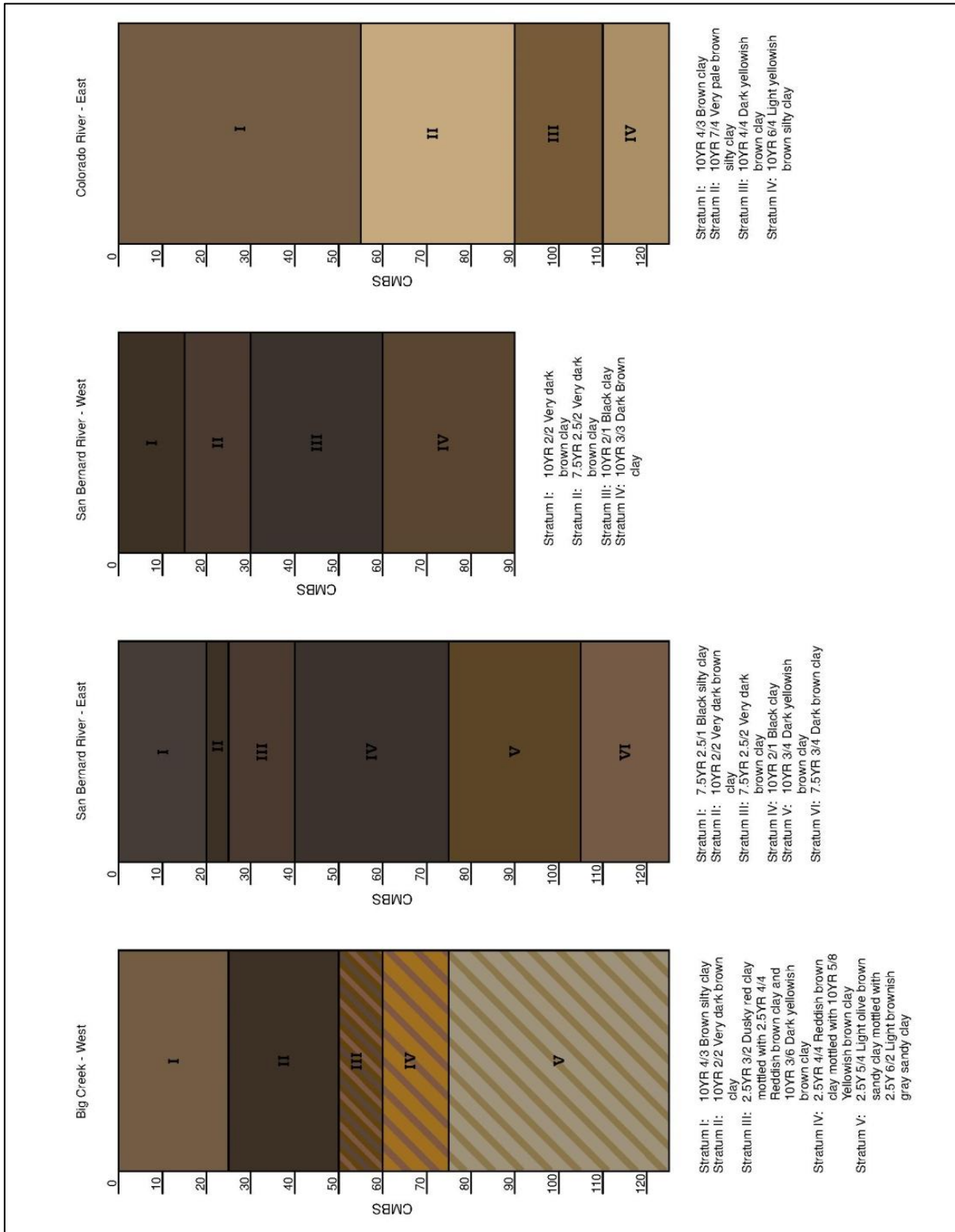


Figure 14: HDD Location, Representative Stratigraphic Profiles (Sheet 2 of 2)

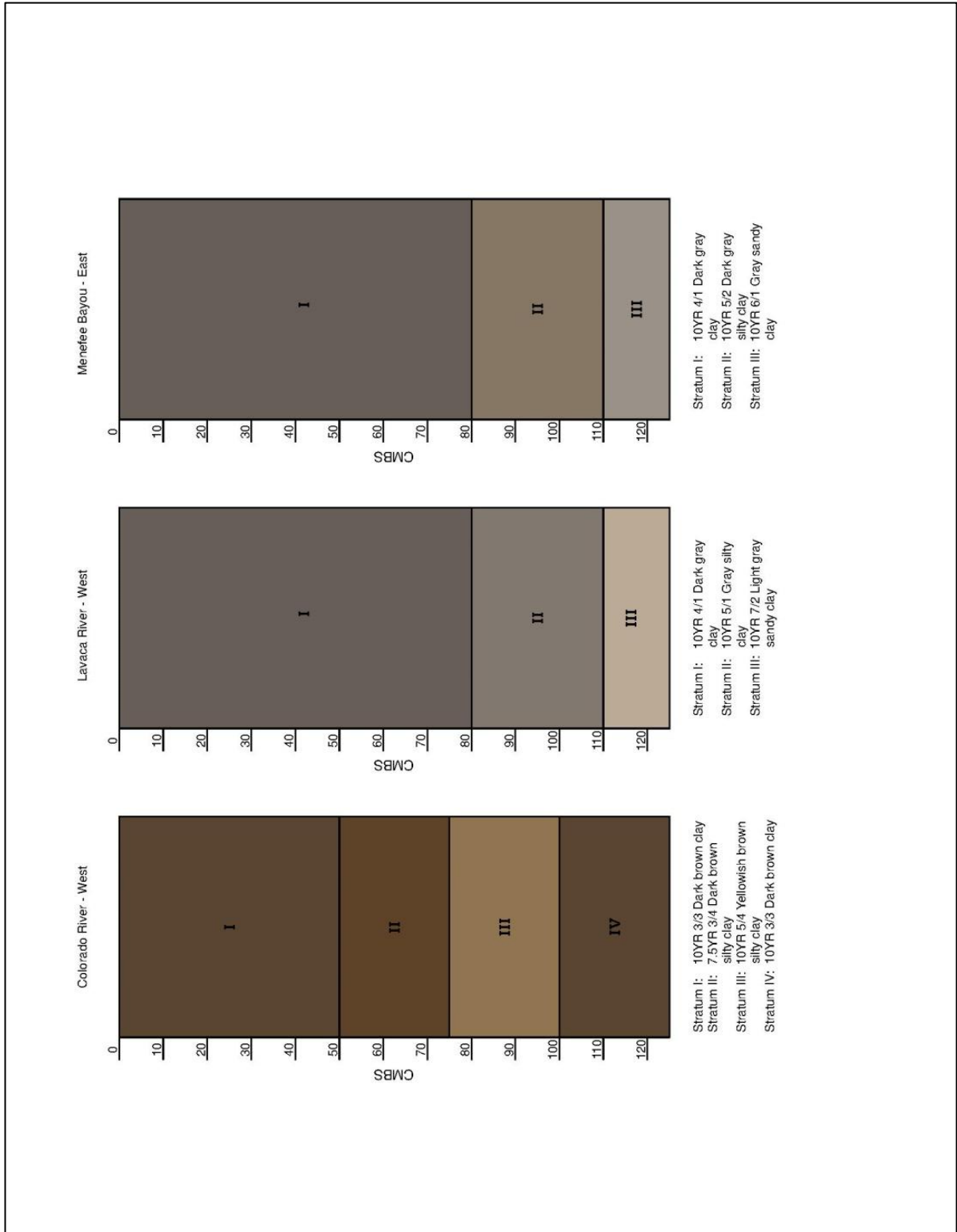


Figure 15: Big Creek - West HDD Planview



Figure 16: Big Creek – West HDD, Pre-Excavation (top) and Post-Excavation (bottom) Photographs



Figure 17: San Bernard River – East HDD Planview



Figure 18: San Bernard River – East HDD, Pre-Excavation (top) and Post-Excavation (bottom) Photographs



Figure 19: San Bernard River – West HDD Planview



Figure 20: San Bernard River – West HDD, Pre-Excavation (top) and Post-Excavation (bottom) Photographs





Figure 21: Colorado River – East HDD Planview

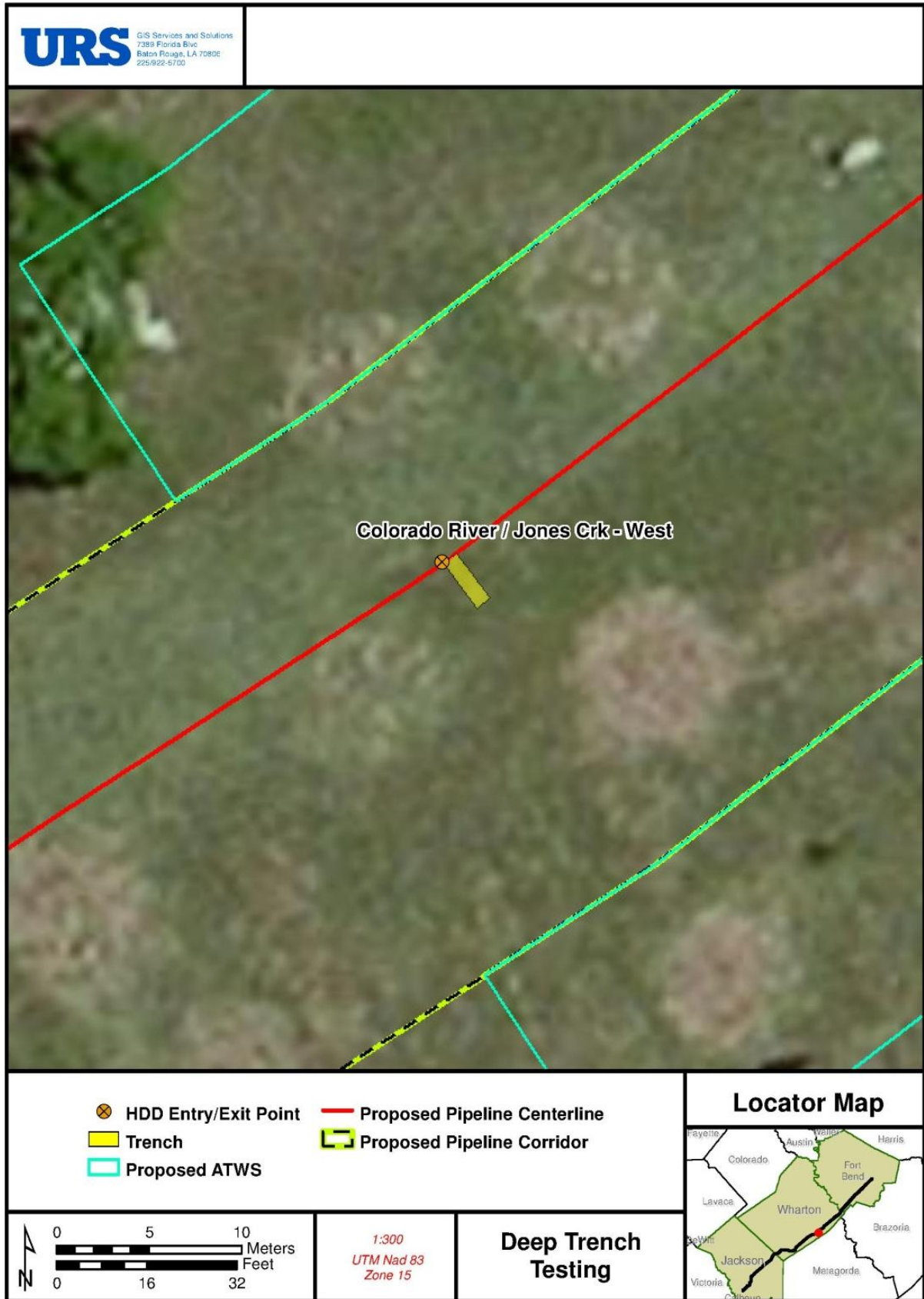


Figure 22: Colorado River – East HDD, Pre-Excavation (top) and Post-Excavation (bottom) Photographs



Figure 23: Colorado River – West HDD Planview

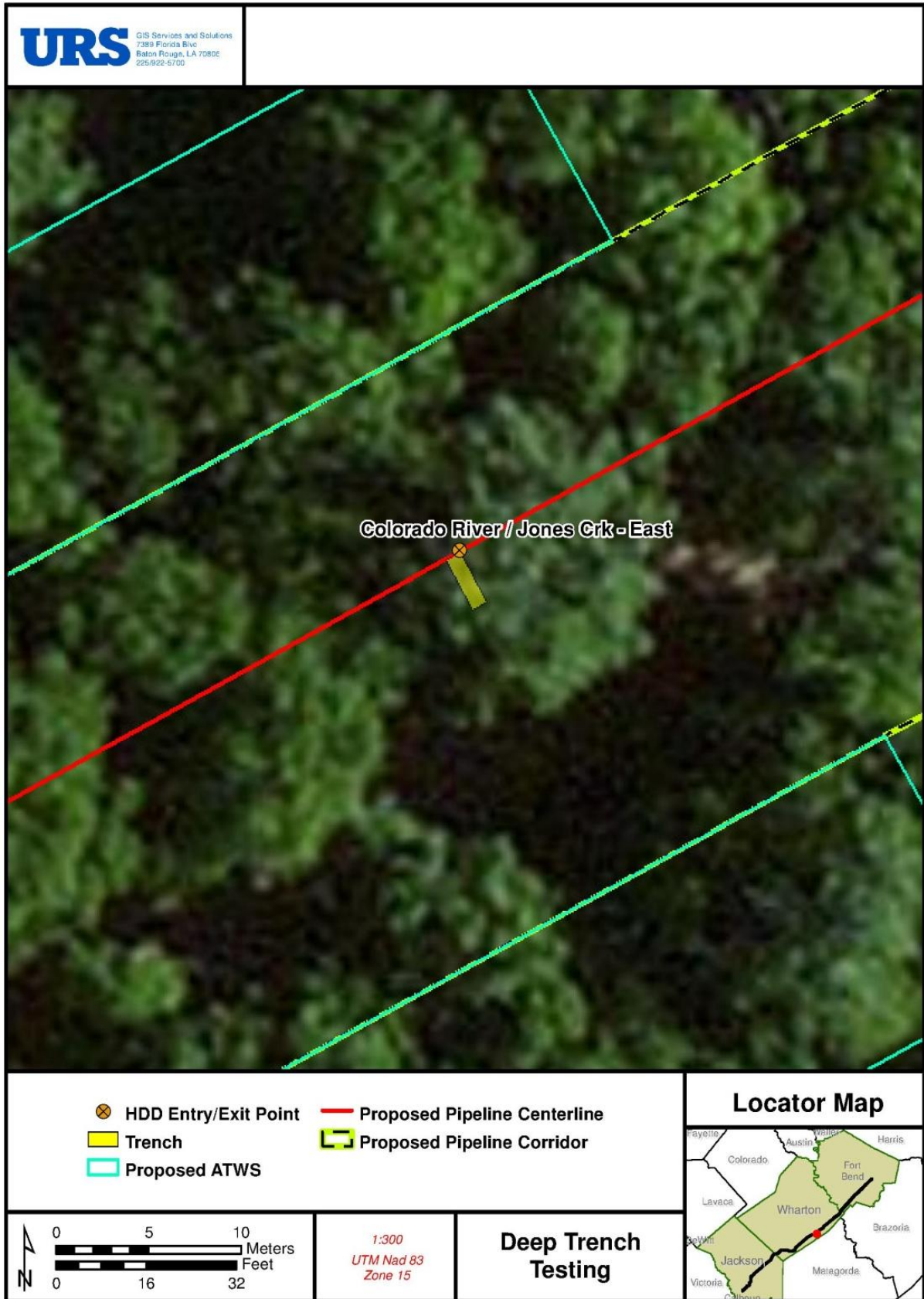


Figure 24: Colorado River – West HDD, Pre-Excavation (top) and Post-Excavation (bottom) Photographs



Figure 25: Lavaca River – West HDD Planview



**Figure 26: Lavaca River – West HDD, Pre-Excavation (top) and Post-Excavation (bottom) Photographs**



Figure 27: Menefee Bayou – East HDD Planview



Figure 28: Menefee Bayou – East HDD, Pre-Excavation (top) and Post-Excavation (bottom) Photographs







**Date:** December 19, 2012

**To:** Mr. Mark Lusk  
U. S. Department of Energy - National Energy Technology Laboratory  
3610 Collins Ferry Road, P.O. Box 880, MS B07  
Morgantown, WV 26507-0880  
(304) 285-4145

**Re:** **Addendum Letter Report No. 2 - Additional Cultural Resource Survey for the Proposed NRG Energy W. A. Parish Post-Combustion CO<sub>2</sub> Capture and Sequestration Project, Wharton County, Texas.**

Prepared for NRG Energy/Petra Nova LLC and U.S. Department of Energy (DOE, National Energy Technology Laboratory (NETL) (Recovery Act: Demonstration of CO<sub>2</sub> Capture, Enhanced Oil Recovery (EOR) and Sequestration)

Dear Mr. Lusk:

This letter provides cultural resource survey results for an additional 2.3 mile (3.7 km) long pipeline corridor reroute that was assessed in association with NRG Energy (NRG) W.A. Parish Post-Combustion CO<sub>2</sub> Capture and Sequestration Project, located within Fort Bend, Wharton, and Jackson Counties, Texas (Figure 1). The archaeological Area of Potential Effect (APE) for this area was defined as generally an approximately 100 ft (30 m) wide survey corridor; this represents approximately 27.4 acres (11.1 hectares) of additional survey area associated with the project. The primary route for the above project was surveyed and reported to U.S. Department of Energy (DOE) and the Texas Historical Commission (THC) earlier this year (Poche et al. 2012; Handly and Lackowicz 2012). Following that, additional cultural resources assessment was conducted in association with proposed changes required for pipeline alignment routing.

This additional Phase I cultural resource field survey was performed by a two-person URS Corporation, Inc. (URS) archaeological team between December 17<sup>th</sup> and 18<sup>th</sup>, 2012. Background data on the project area's natural and cultural settings can be found in the initial Phase I report (Poche et al. 2012). The purpose of this letter report is to communicate the results of the additional Phase I cultural resource field survey for your office's review.

### **SURVEY METHODOLOGY**

The methods used for the survey were those approved by the THC for the previously submitted portion of the NRG W.A. Parish Post-Combustion CO<sub>2</sub> Capture and Sequestration Project (Poche et al. 2012). This Phase I cultural resources survey effort was comprised of linear transect survey involving systematic pedestrian survey augmented by shovel testing within the entire project corridor. In general, a single survey transect was placed within the middle of the 100 ft (30 m) wide survey corridor. Transect survey methods allowed for these portions of the proposed survey corridor to be assessed in a systematic and uniform manner and assist with the identification and delineation of any cultural resources encountered as a result of the survey effort. Standardized survey segment forms recorded whether each segment was evaluated using Low, Moderate, or High Potential survey methods (see below).

Shovel tests displayed an average excavated diameter of 12 in (30 cm) and they were excavated to at least 20 in (50 cm) below surface, unless impenetrable subsoils or ground water was encountered. If the soil types encountered indicated the potential for more deeply buried sites, the depth of the shovel test was increased accordingly, up to 39 in (100 cm) below surface. All shovel tests were excavated in natural soil layers at 4-in or 8-in (10 or 20 cm) intervals and all excavated soils were screened through ¼-inch mesh, unless water-saturated or compacted clay, in which case they were hand sorted by trowel. When cultural materials were encountered, the base of the shovel test excavation was extended to at least 16 in (40 cm) beneath the last occurrence of cultural materials.

Munsell© charts were used to describe soil color. Standard soils nomenclature was used in the description of the excavated sediments associated with each shovel test. All of the excavated shovel tests were backfilled immediately upon the completion of the excavation process. Shovel testing was not conducted in areas where the landform slope was greater than 20%; where safety hazards (such as buried utilities) existed and the shovel test could not be offset; or where standing water, impenetrable clays, environmental hazards, or impervious substrates (e.g. asphalt roads) were encountered. The above information concerning each shovel test location was recorded on standardized shovel test forms; any shovel test that could not be excavated due to one or more of the above reasons was identified.

All recovered cultural materials were recorded in the field using electronic standardized field collection techniques using an electronic field data collection device (e.g., Toughbook, Yuma, or similar). GPS data collectors with sub-meter accuracy were used to record the beginning and endpoint of survey transects, pipeline inflexion (PI) points, survey areas, access roads, site and datum locations, and the corners of any standing structures encountered during the course of this investigation. Digital photographs were taken of all survey areas to document current conditions. Detailed pace-and-compass maps for all encountered cultural resources were also produced.

**Survey Methods in Low Archaeological Potential Areas**

Where extensive pastoral or agricultural cultivation is present, ground surface exposures exceed 50 percent, and the likelihood of buried archaeological sites is considered low (based on soil types and topography), systematic pedestrian survey was seen as an adequate survey methodology, augmented with judgmental shovel tests to confirm soil conditions. Each judgmental shovel test was excavated at an interval of 1,320 ft (400 m) (Table 1).

**Table 1 : Proposed Shovel Test Intervals**

Shovel Test Width	Shovel Test Depth	Low Probability Interval	Moderate Probability Interval	High Probability Interval
30 cm (12 in)	50 cm (20 in)	400 m (1312 ft)	100 m (328 ft)	50 m (164 ft)

**Survey Methods in Moderate Archaeological Potential Areas**

In areas with poorly draining soils that are located away from defined drainages, but where buried sites are considered possible, shovel tests were excavated at 328 ft (100 m) intervals along the primary survey transect located within the 100 foot (30 m) wide survey corridor (Table 1).

**Survey Methods in High Archaeological Potential Areas**

High archaeological site potential for this project includes all elevated landforms such as ridges or hills, and all landforms close to natural water drainages; in general, this encompassed approximately 1,312 ft (400 m) to either side of a well-defined drainage. In these areas, shovel tests were excavated at 164 ft (50 m) intervals along the primary transect of the proposed pipeline (Table 1). Judgmentally placed shovel

tests on top of landforms were used if the landform was less than 164 ft (50 m) in width. When cultural materials were encountered within areas defined as having Low or Moderate Archaeological Potential, the survey crew immediately changed to the High Potential shovel testing intervals and the site delineation methods presented further below were also implemented.

**FIELDWORK RESULTS SUMMARY**

From December 17<sup>th</sup> to 18<sup>th</sup>, 2012, URS conducted a Phase I cultural resource survey and inventory for additional pipeline corridor segments associated with the proposed NRG Energy W.A. Parish Post-Combustion CO<sub>2</sub> Capture and Sequestration Project. Project personnel assigned to the fieldwork component of this project were Ms. Patricia Hutchins (BA) and Mr. Gary Hawkins (BA); their fieldwork effort was overseen by Mr. Martin Handly (MA).

Fieldwork for this project consisted primarily of visual inspection and systematic pedestrian survey and shovel testing. The field crews systematically surveyed a 2.3 mile (3.7 km) long pipeline corridor reroute and associated ATWS in Wharton County. Of a proposed 17 shovel tests associated with the project area, 16 shovel tests (94.1%) were excavated and one (1) was not excavated, as the latter fell within an area displaying buried utilities. The investigation resulted in the identification of no cultural resources; a summary of the survey effort associated with the corridor segments is presented below.

As of December 19<sup>th</sup>, 2012, the entire proposed pipeline construction corridor, with the exception of a single additional temporary workspace (ATWS) located in Wharton County, has been surveyed for cultural resources for the NRG Project. Once land access has been granted for the remaining ATWS location, fieldwork will be initiated and a third addendum report will be prepared and submitted to the DOE and THC for your review.

**Pipeline Reroute Corridor Survey**

Fieldwork for this current investigation consisted of visual inspections and systematic shovel testing at low and moderate archaeological potential intervals along the 2.3 miles (373 km) of preferred pipeline corridor (Table 2). During the survey effort, the survey corridor was divided into a total of two (2) segments, based upon the type of assessment methodology that was used during the investigation (Table 2; Figure 2).

One (1) segment displayed ground surface visibility greater than 50% and it was assessed via systematic pedestrian survey (i.e., low probability) along two (2) transects spaced 50 ft (15 m) apart; shovel testing was conducted at 1,320 ft (400 m) intervals. Ground surface exposure was a result of recently plowed and disked agricultural fields, which paralleled and/or overlapped with the current survey corridor. In total, low potential survey methods were implemented on approximately 24.2% of the corridor. The remaining segment was located on pastureland and it was assessed at moderate potential, with shovel test intervals of 328 ft (100 m); this accounted for the remaining 75.8% of the survey corridor.

**Table 2: Pipeline Corridor Reroute Summary Table**

Reroute Name	Length (mi)	Length (m)	MP (approx.)	Survey Methodology	Shovel Tests - Excavated	Shovel Tests - Not Excavated
RR-WH-14	1.75	2800	47.0-48.5	Low	10	0
RR-WH-15	0.55	900	48.5-49.25	Moderate	6	1
<b>Total</b>	<b>2.30</b>	<b>3700</b>		<b>Total</b>	<b>16</b>	<b>1</b>

**Table 3: Typical Reroute Shovel Test Profiles**

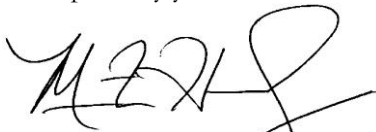
Reroute Name	Stratum	Depth (cm)	Munsell	Color	Soil Texture
RR-WH-14	I	0-40	10YR 4/1	Dark gray	Clay
RR-WH-15	I	0-50	10YR 6/2	Light brownish gray	Silty clay loam

**Conclusion and Recommendation**

This component of the Phase I cultural resource survey conducted by URS for the NRG Energy (NRG) W.A. Parish Post-Combustion CO<sub>2</sub> Capture and Sequestration Project was comprised of approximately 2.3 mile (3.7 km) of preferred pipeline corridor, totaling 27.4 acres (11.1 hectares) in extent. No historic structures, features, or archaeological materials were encountered during these investigations.

Based on these findings, URS recommends that no further cultural resource studies be required within these additional survey areas. Once DOE has received a concurrence letter from the THC stating “No Historic Properties Affected – Project May Proceed”, URS will then prepare the Final Phase I Cultural Resources Report, including the original report and this addendum, for submission to DOE and the THC.

Respectfully yours,



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 Cultural Resource Manager  
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 Email: [martin.handly@urs.com](mailto:martin.handly@urs.com)



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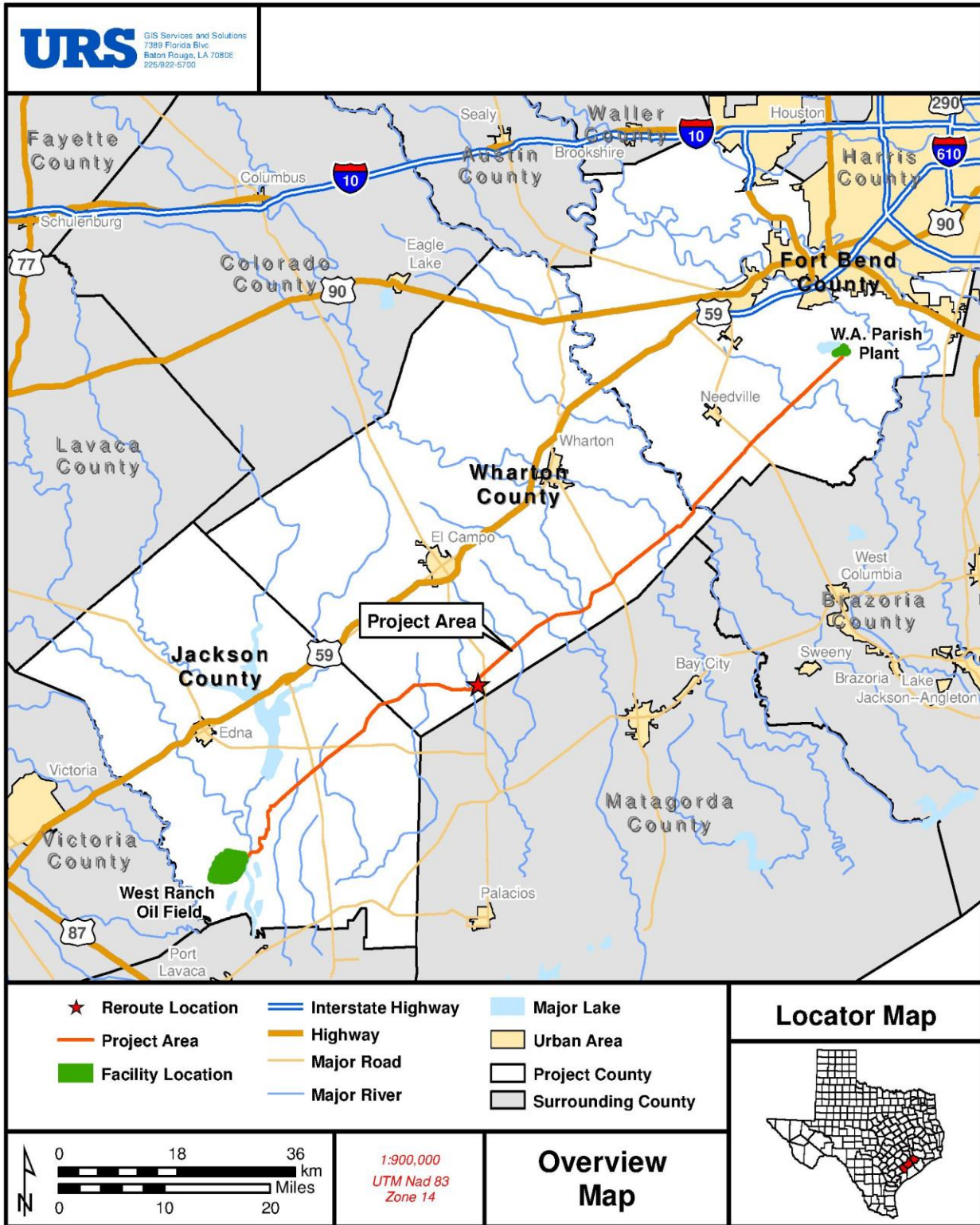
cc: Jon Barfield - NRG

**References Cited**

Poche, L., M. Whitehead, H. Dafoe, P. Hutchins, M. Sandell, and M. Handly  
 2012 *Phase I Cultural Resources Investigation – Proposed NRG Energy W. A. Parish Post-Combustion CO<sub>2</sub> Capture and Sequestration Project, Fort Bend, Wharton, and Jackson Counties, Texas*. Prepared for NRG Energy/Petra Nova LLC and US Department of Energy, National Energy Technology Laboratory.

Handly, M., and R. Lackowicz  
 2012 *Addendum Letter Report No. 1 - Additional Cultural Resource Survey for the Proposed NRG Energy W. A. Parish Post-Combustion CO<sub>2</sub> Capture and Sequestration Project, Fort Bend, Wharton, and Jackson Counties, Texas*. Prepared for NRG Energy/Petra Nova LLC and U.S. Department of Energy (DOE, National Energy Technology Laboratory (NETL)).

Figure 1: Project Overview Map



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