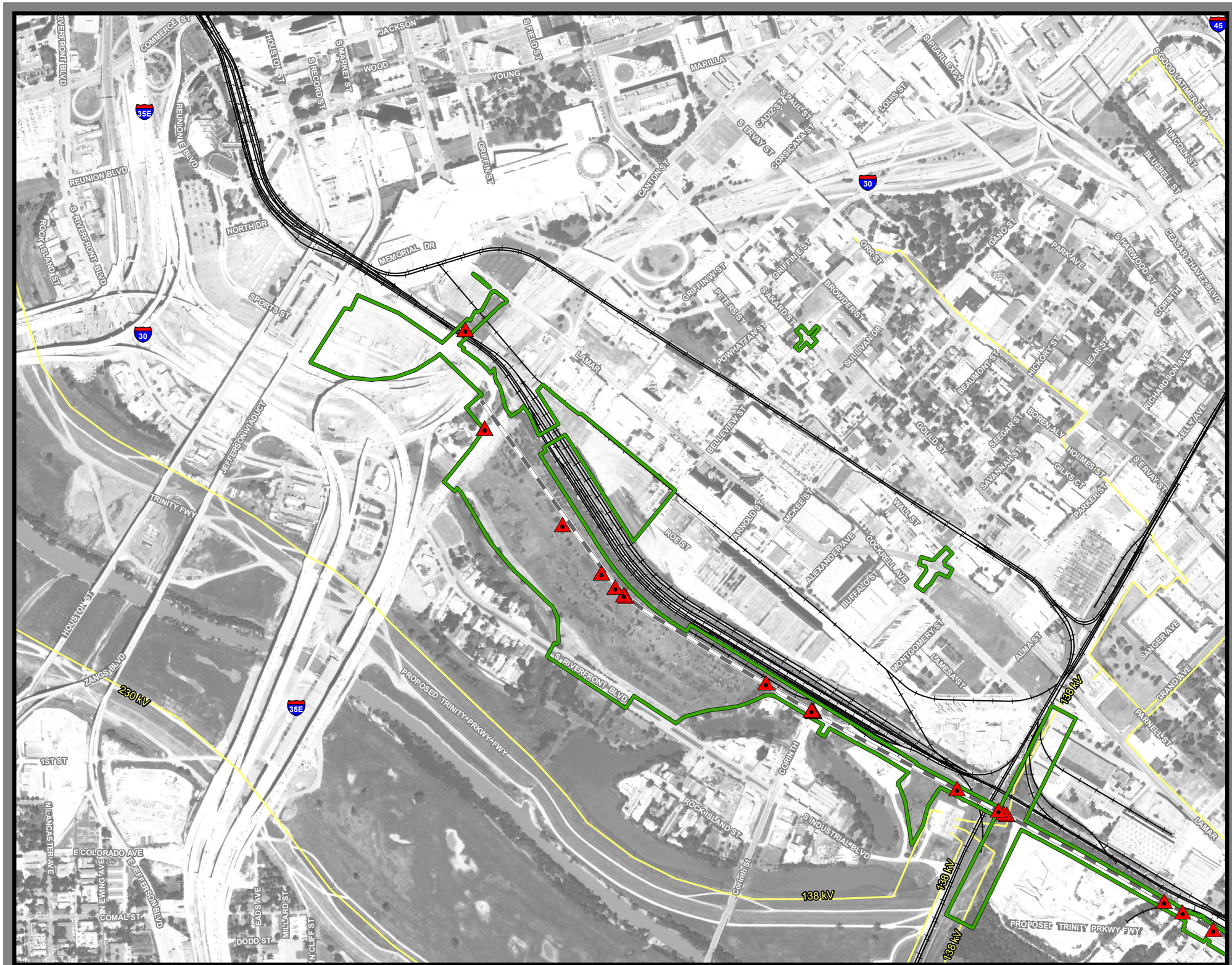
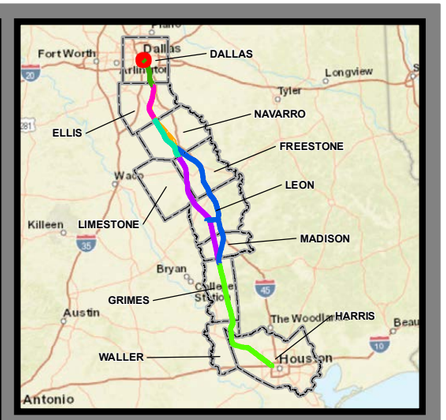
Dallas to Houston High-Speed Rail
Final Environmental Impact Statement

Appendix D:
Mineral Resources
Mapbook Set 1 of 3

Federal Railroad Administration





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1, Dallas Terminal
Sheet 1 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
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- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
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Soils
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- Farmland of Statewide Importance
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Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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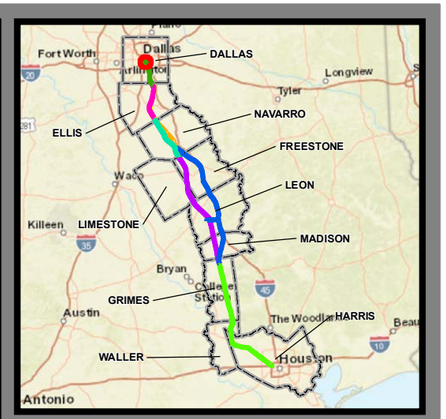
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet



Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
Sheet 2 of 257

Legend

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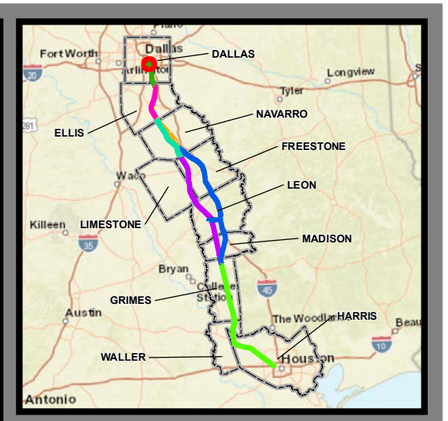

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
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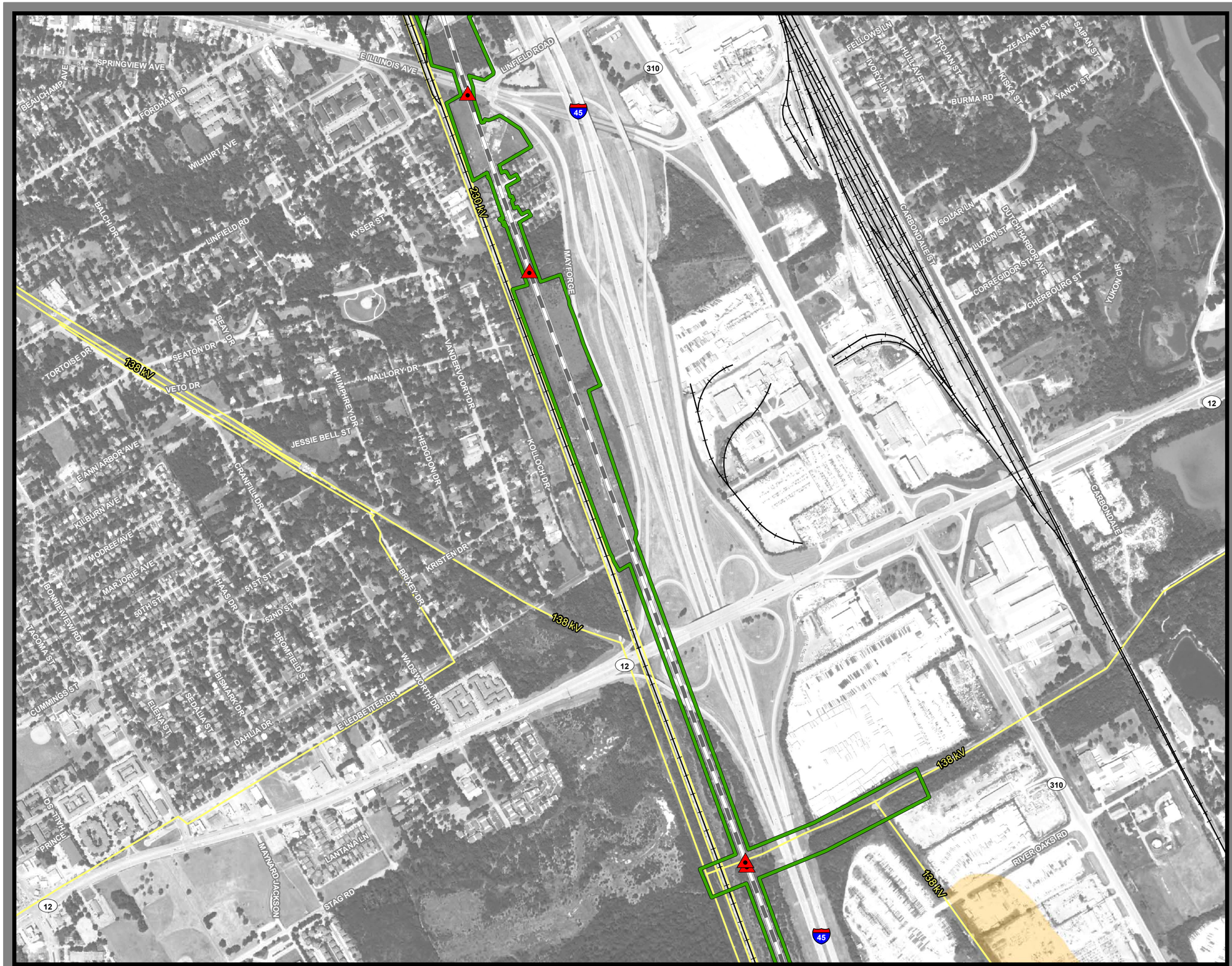

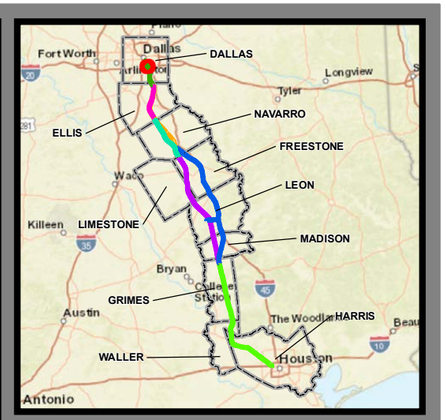

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
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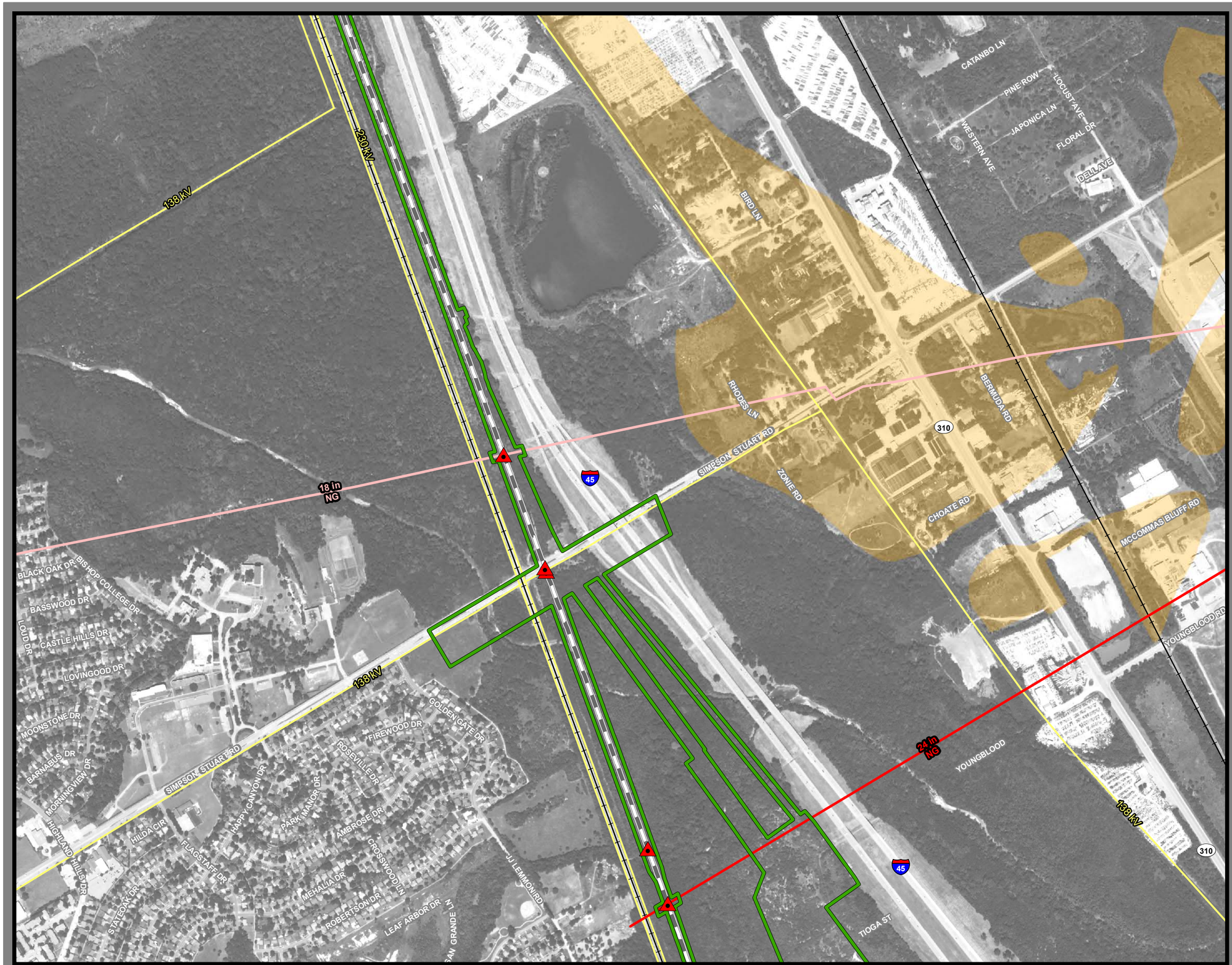

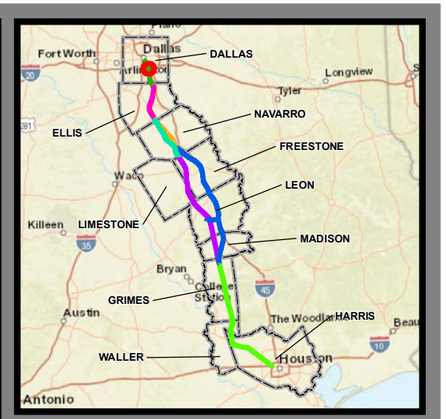

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
Sheet 5 of 257

Legend

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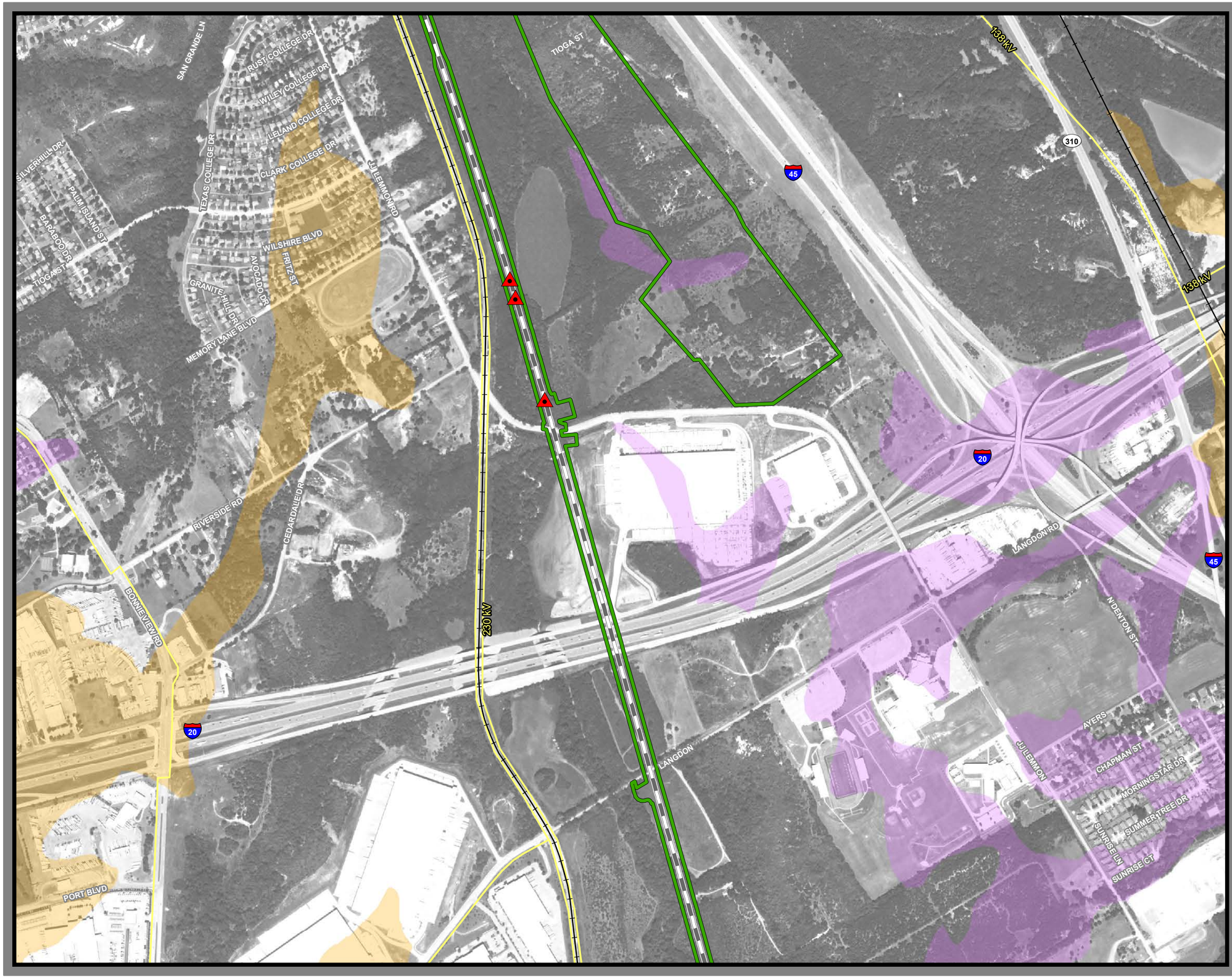

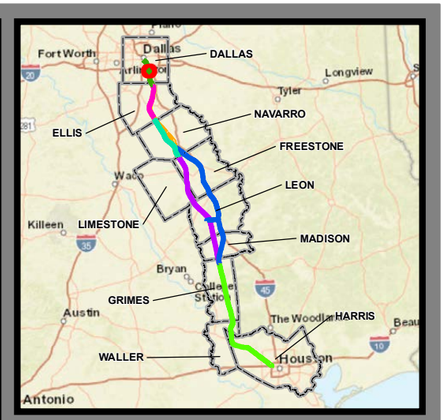

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
Sheet 6 of 257

Legend

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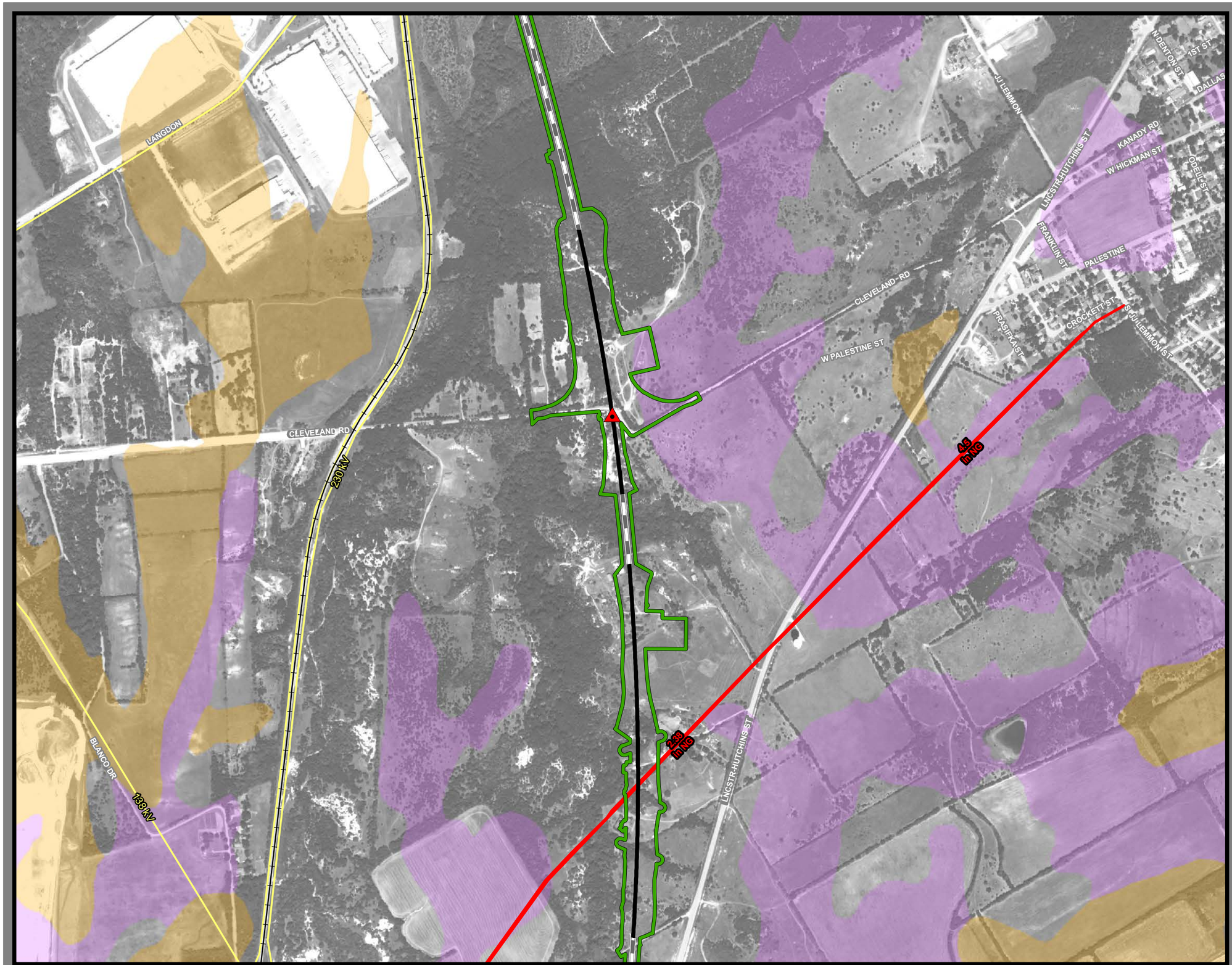

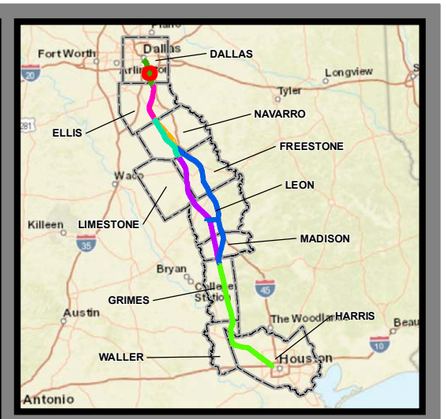

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
Sheet 7 of 257

Legend

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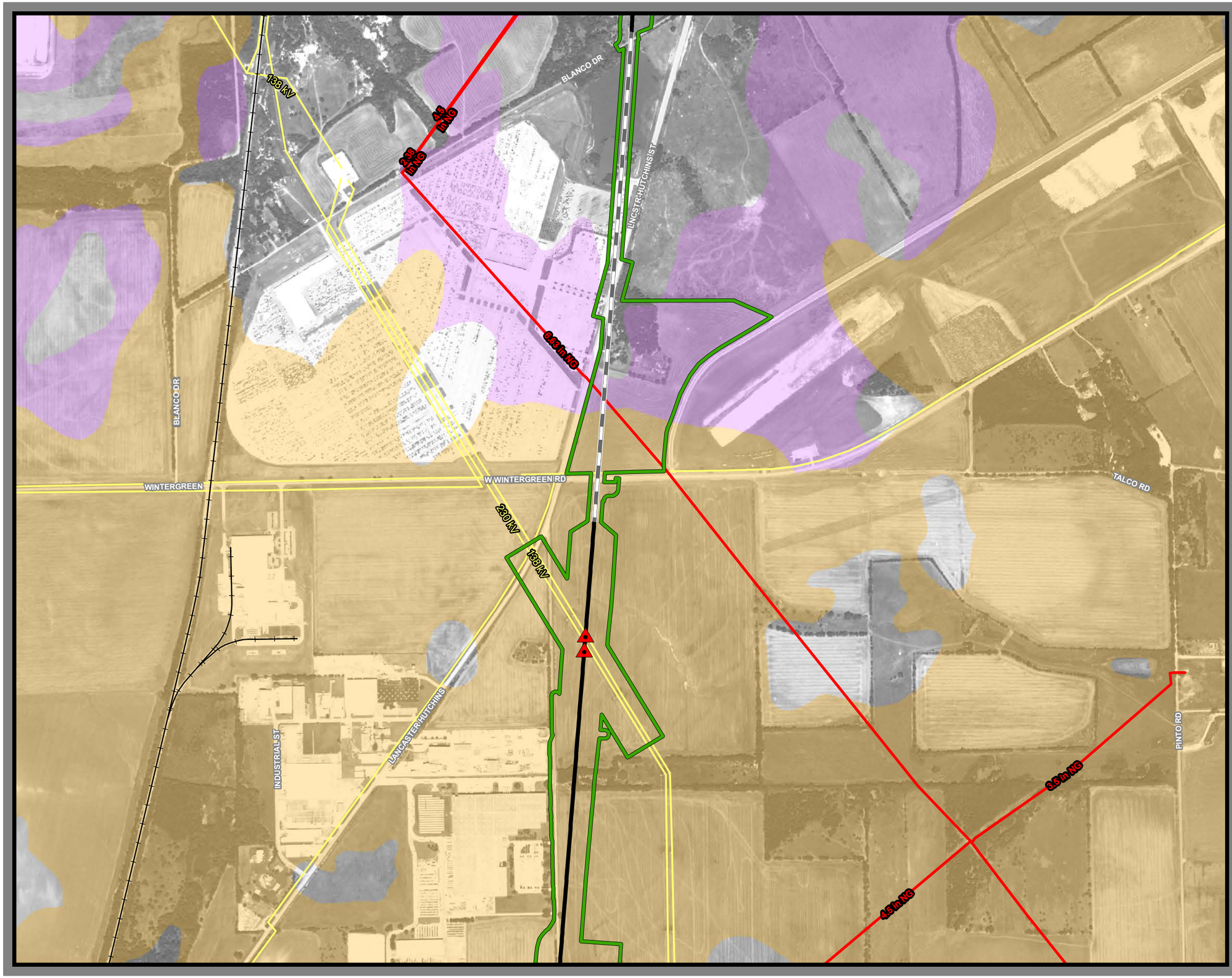

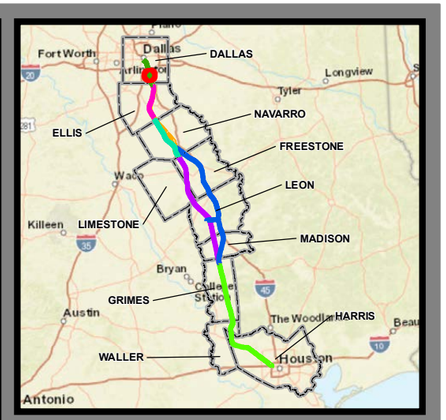

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
Sheet 8 of 257

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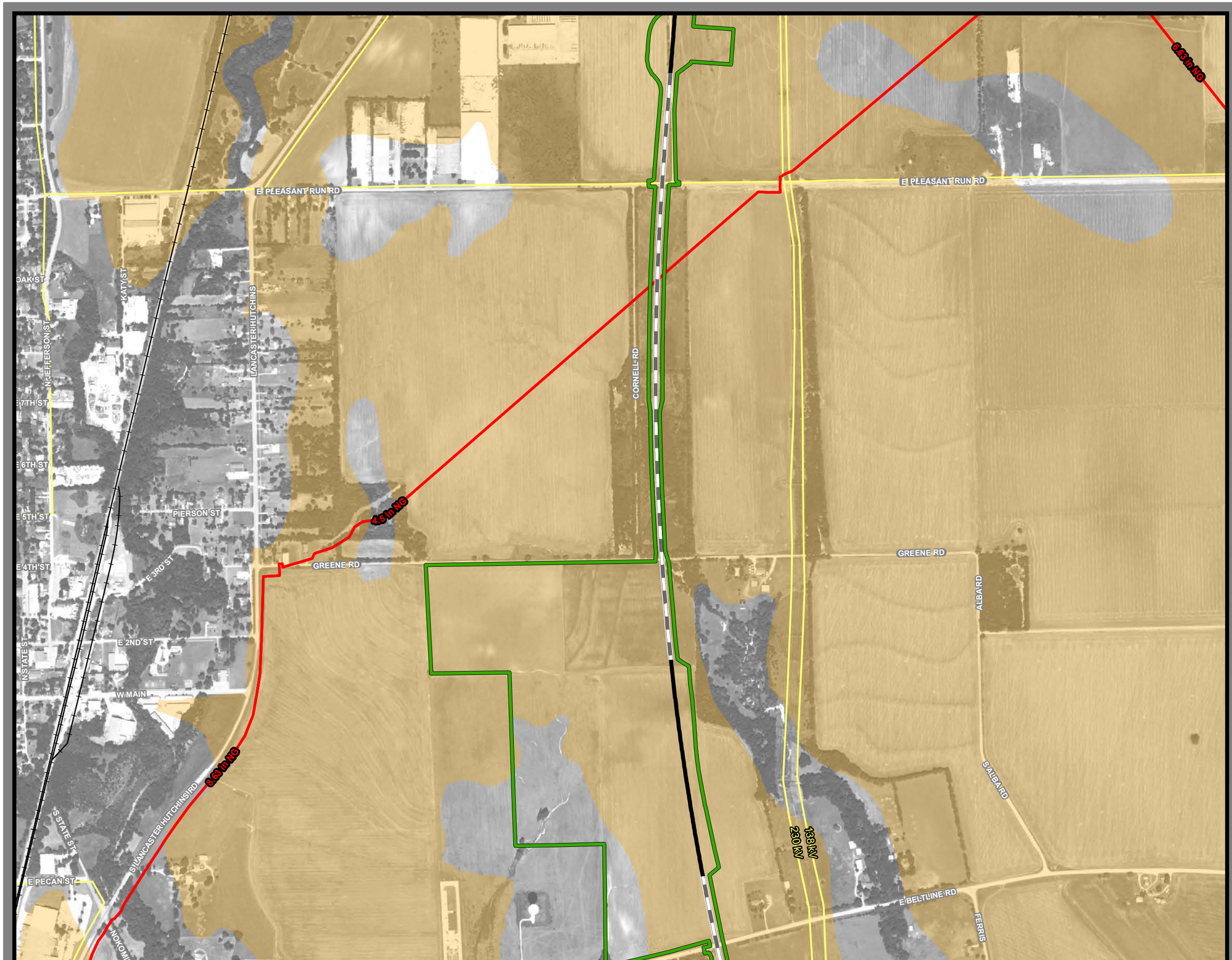

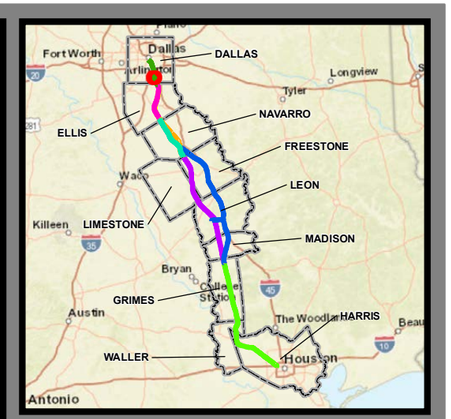

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
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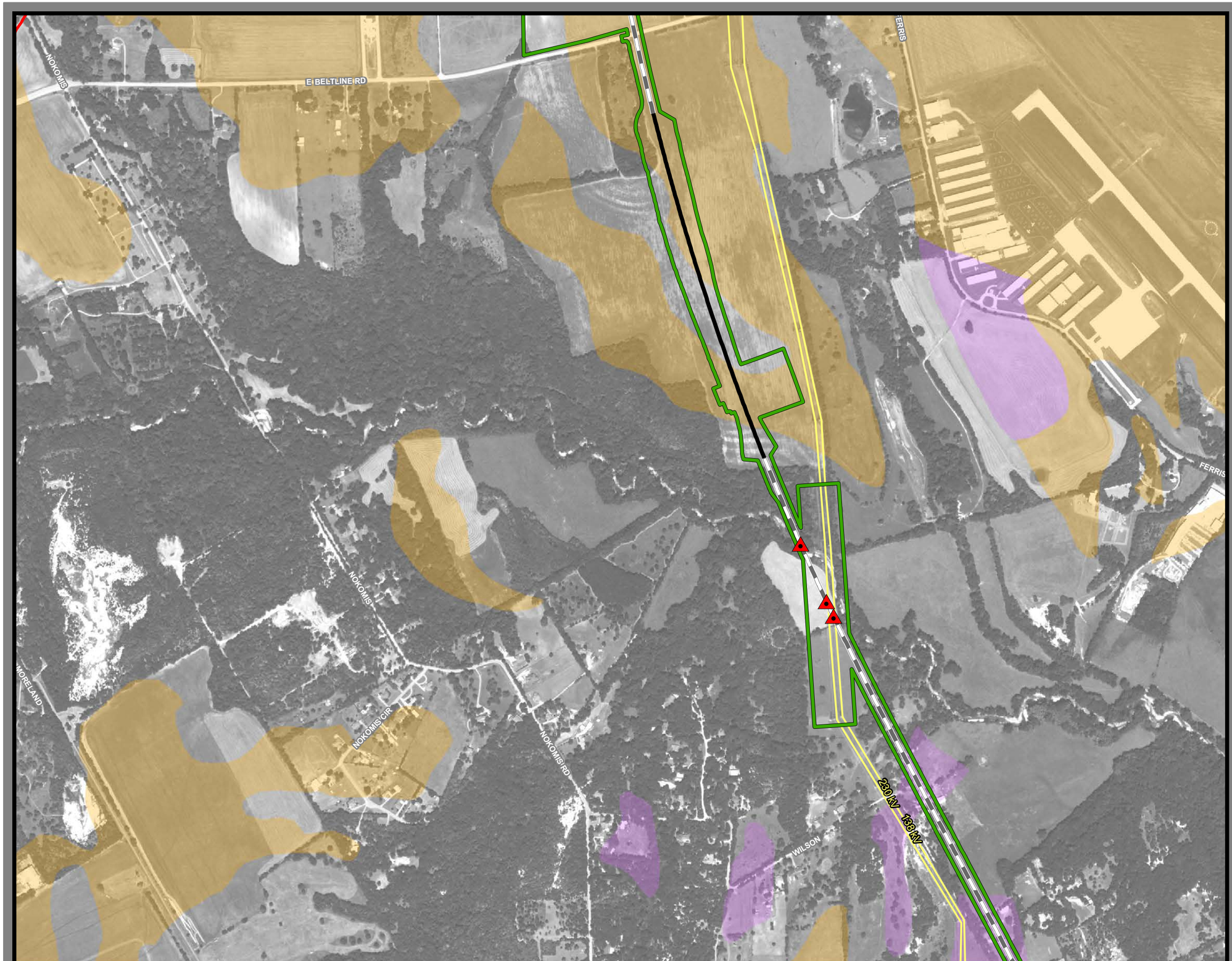

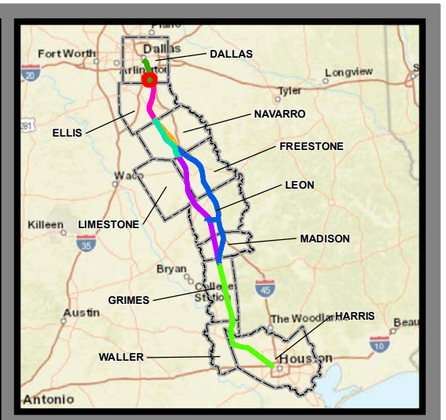

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
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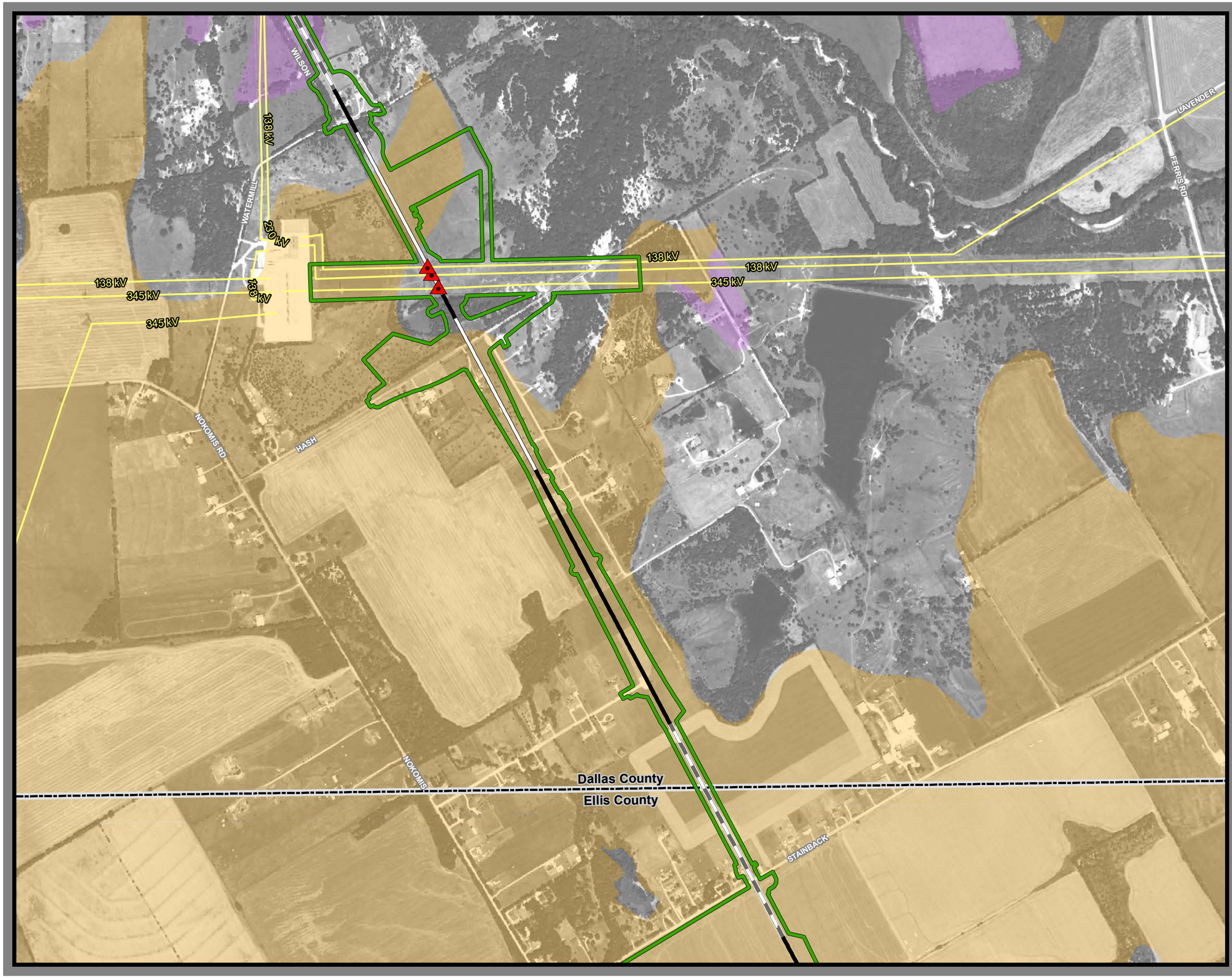

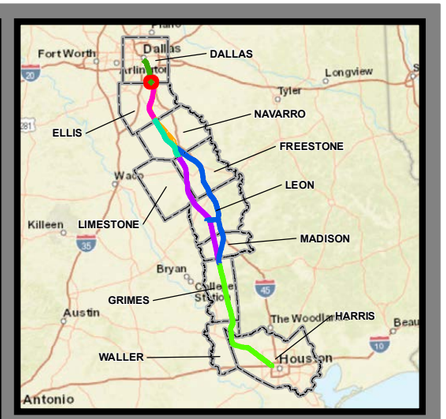

Dallas to Houston
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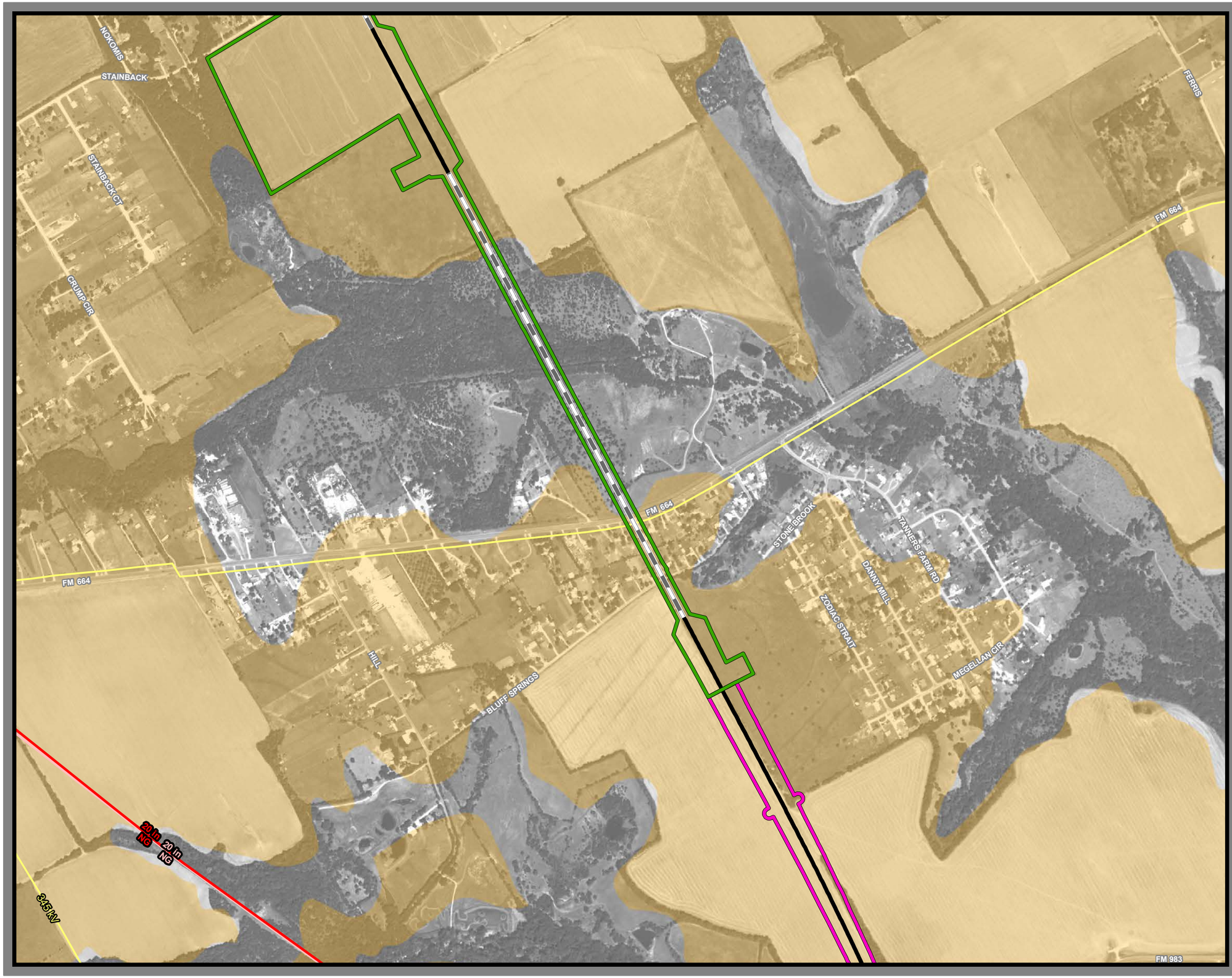
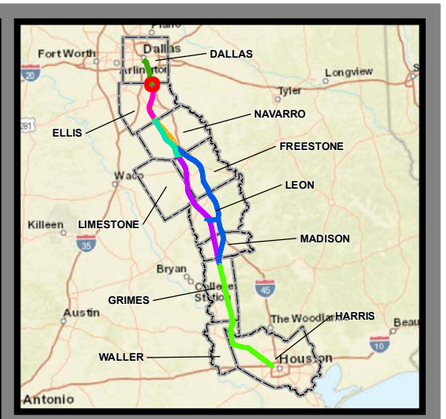
1 inch = 800 feet
Feet
0 200 400 800

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1, 2A
Sheet 12 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 2A; Segment 2B is also located in this same area and can be referenced on Sheet 28.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
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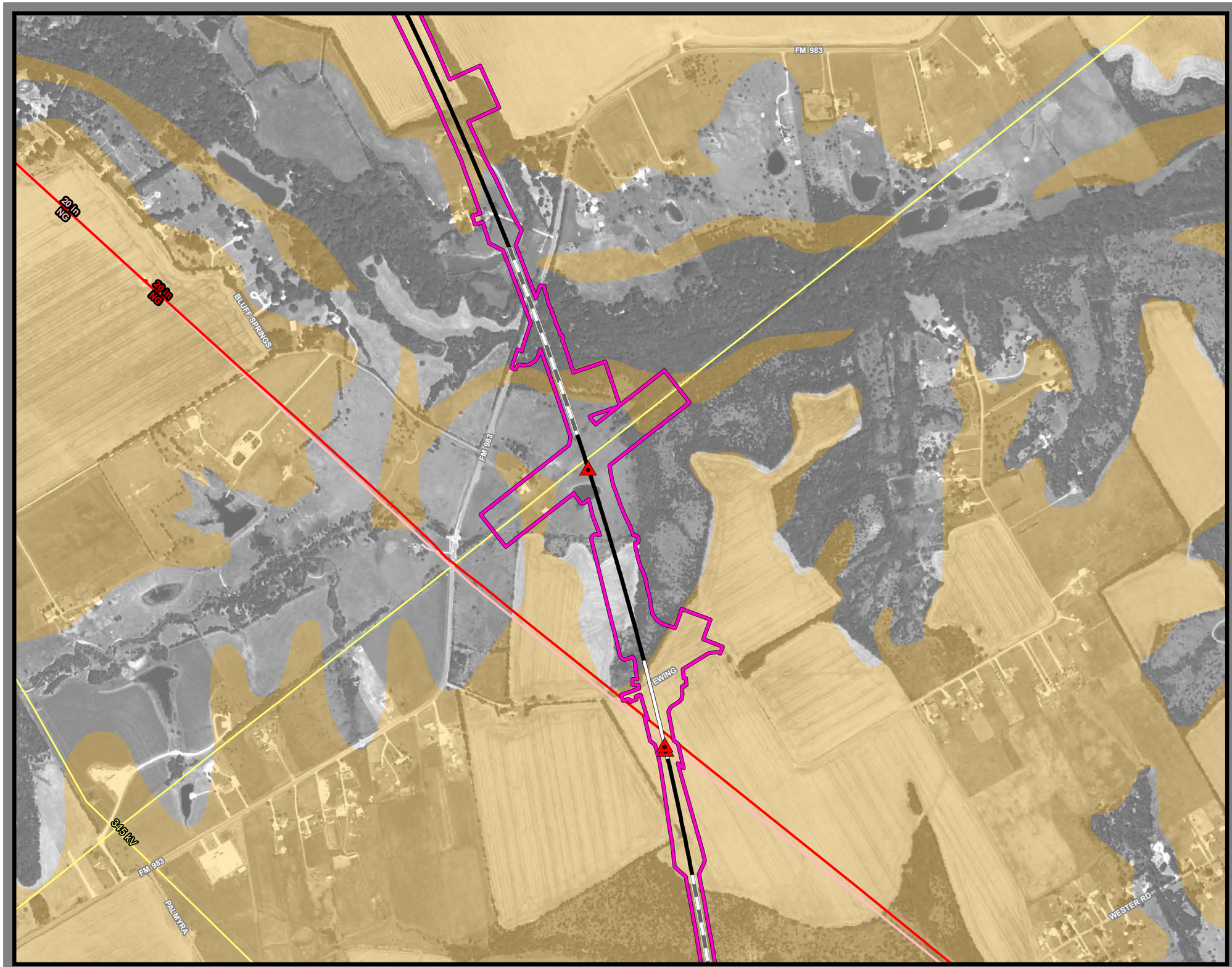
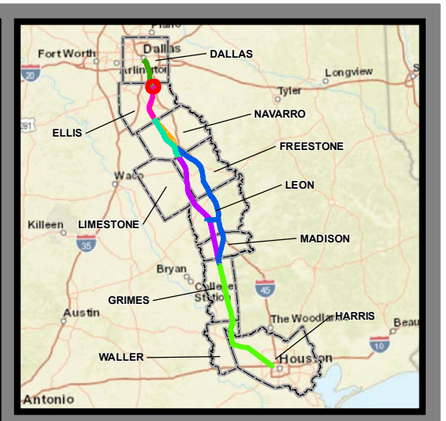
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2A
Sheet 13 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
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- County Boundary
- Railroad
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Utilities
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Oil/Gas Wells
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Oil/Gas Pipelines
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Soils
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- Hydric
- Prime Farmland
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- Prime Farmland if Drained

*****This Sheet only depicts Segment 2A; Segment 2B is also located in this same area and can be referenced on Sheet 29.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
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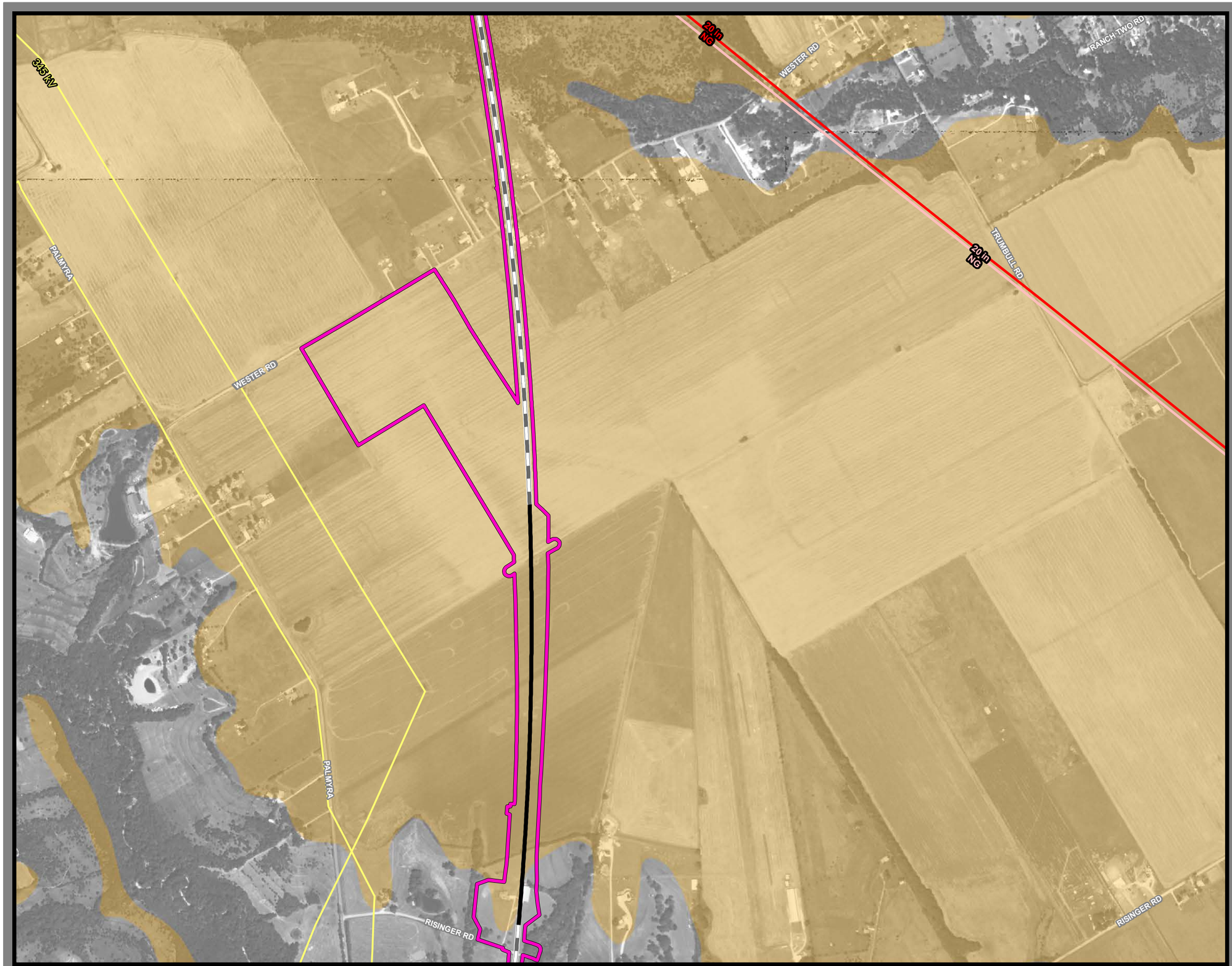
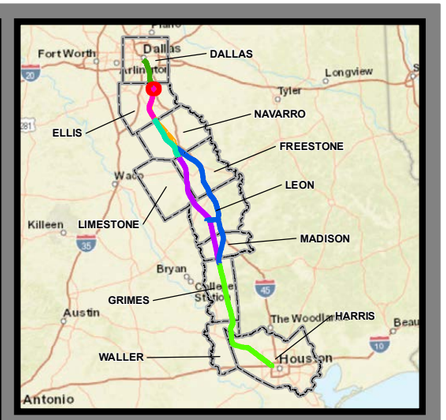
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2A
Sheet 14 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut

- County Boundary
- Railroad
- Faults

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Oil/Gas Pipelines
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Soils
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- Hydric
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- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 2A; Segment 2B is also located in this same area and can be referenced on Sheet 30.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
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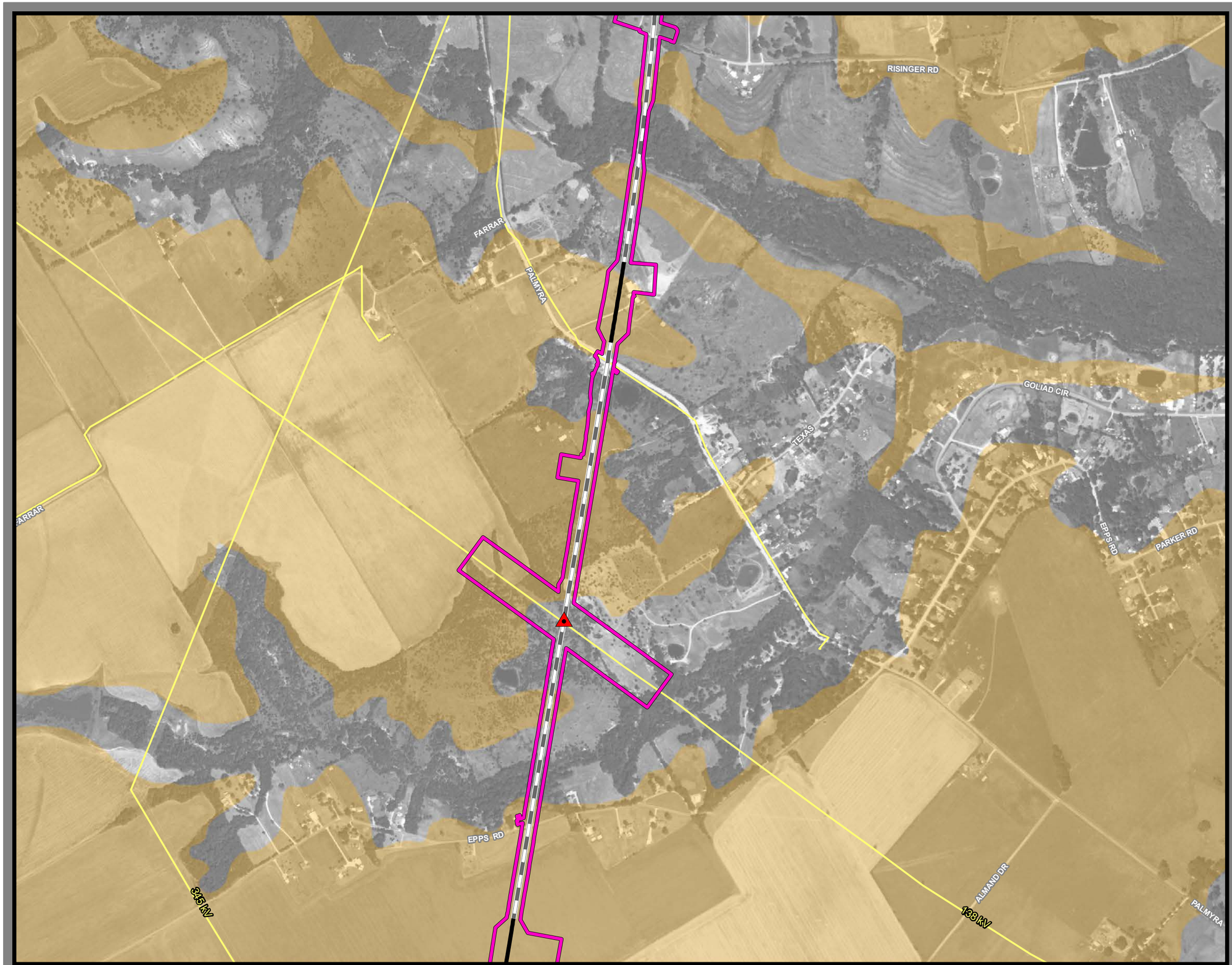
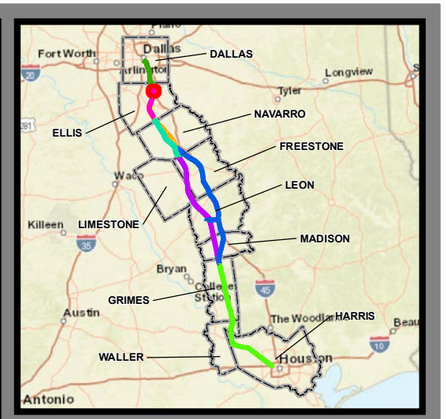
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2A
Sheet 15 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
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- Electric Transmission Line

Oil/Gas Wells
- Vertical
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- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 2A; Segment 2B is also located in this same area and can be referenced on Sheet 31.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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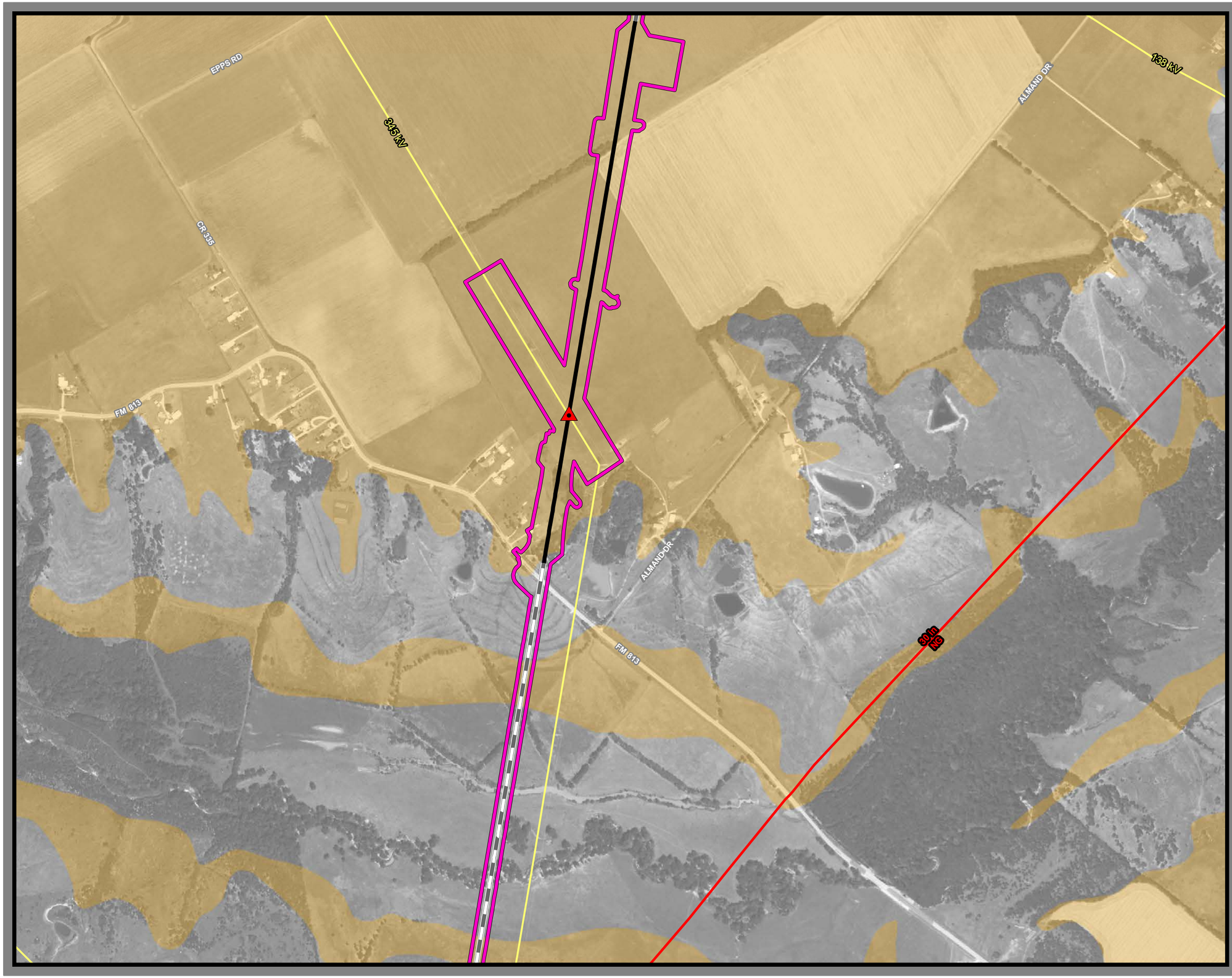
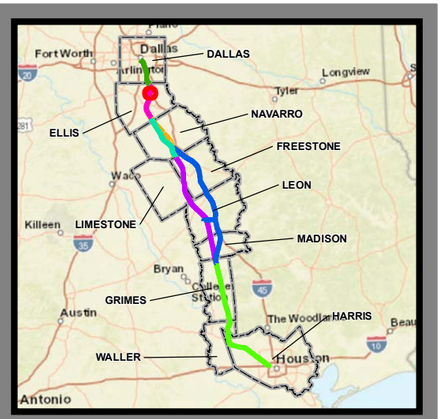
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2A
Sheet 16 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
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Oil/Gas Wells
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- Directional: Surface
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- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

This Sheet only depicts Segment 2A; Segment 2B is also located in this same area and can be referenced on Sheet 32.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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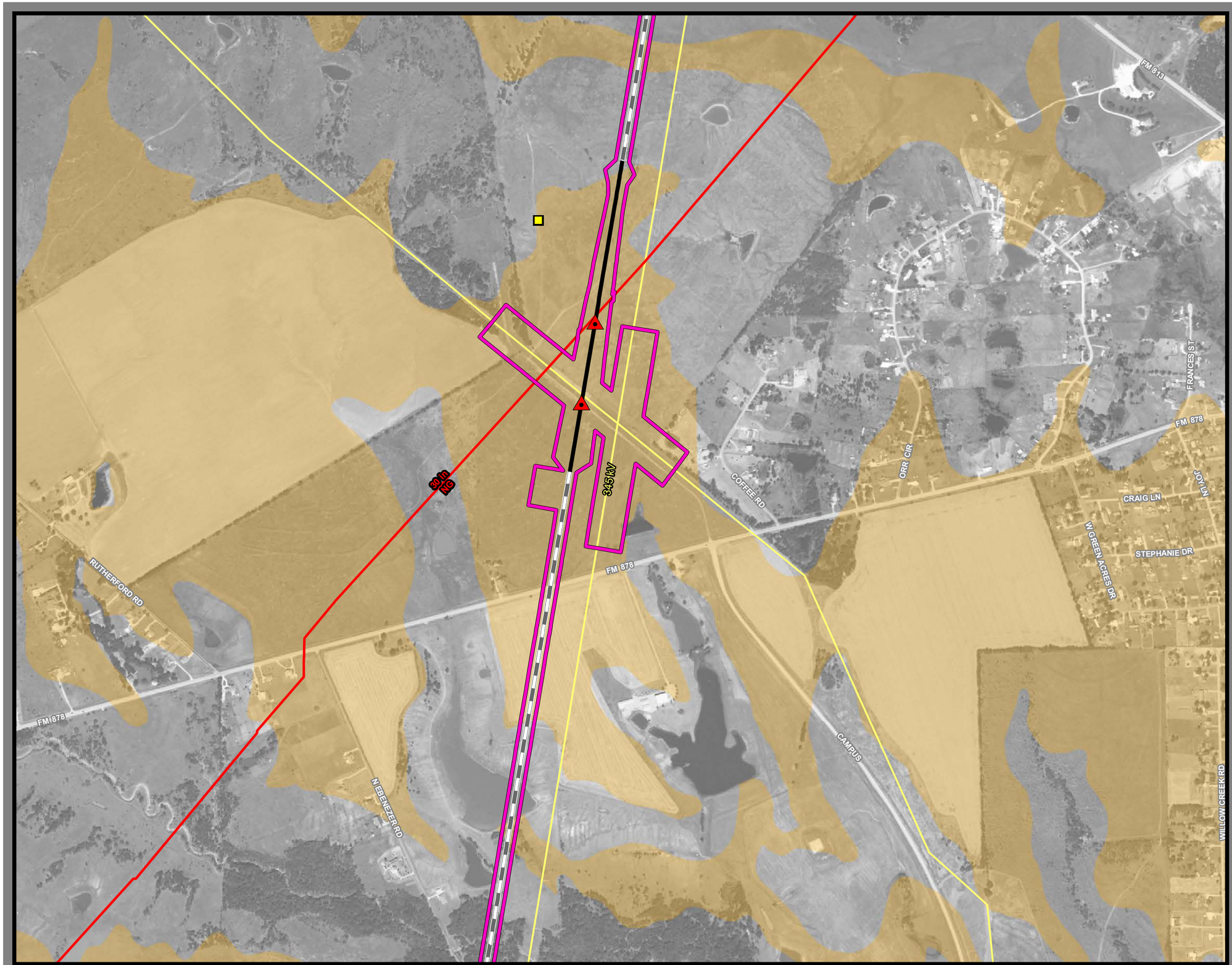
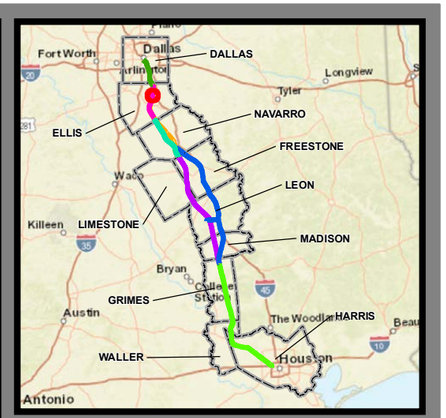
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2A
Sheet 17 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
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Oil/Gas Wells
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Oil/Gas Pipelines
- Active
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Soils
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- Hydric
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This Sheet only depicts Segment 2A; Segment 2B is also located in this same area and can be referenced on Sheet 33.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
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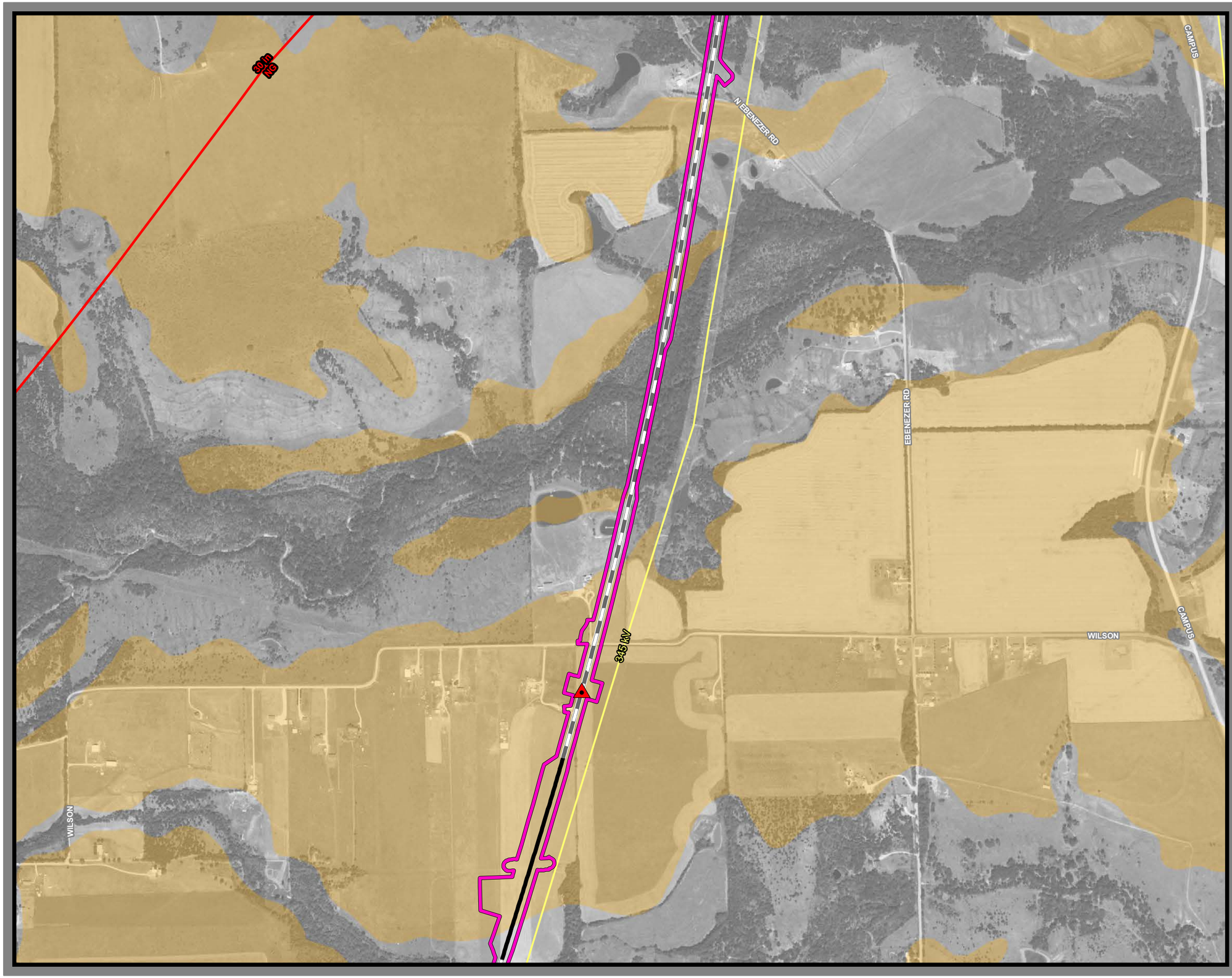
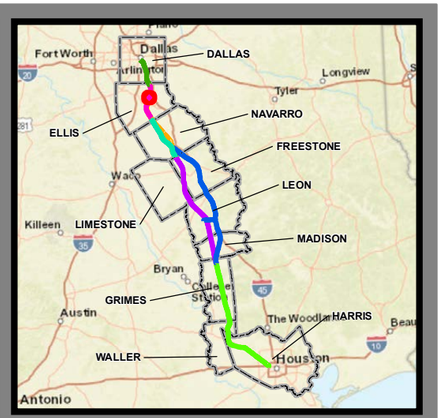
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2A
Sheet 18 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
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Oil/Gas Wells
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- Directional: Bottom
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Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
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This Sheet only depicts Segment 2A; Segment 2B is also located in this same area and can be referenced on Sheet 34.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
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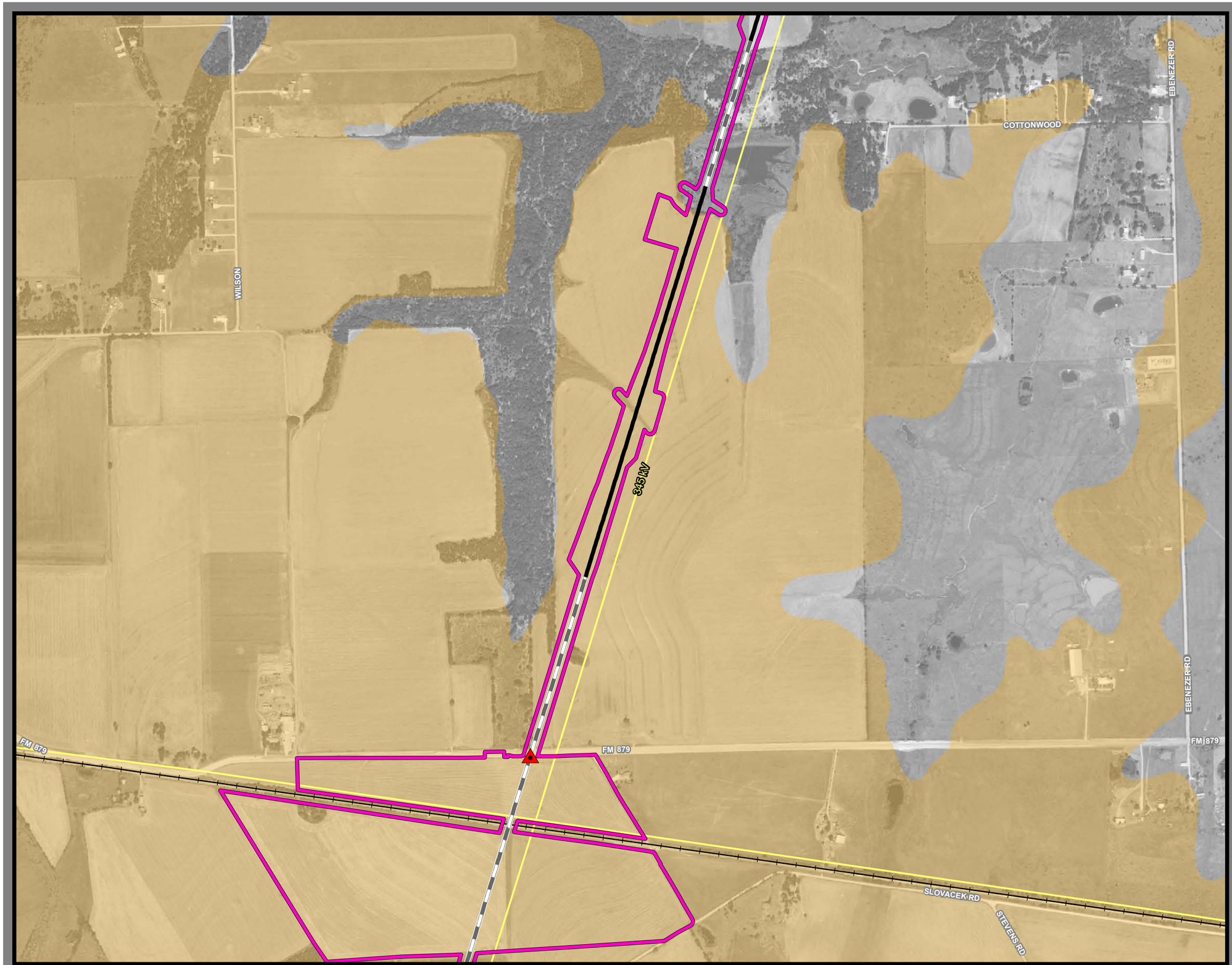
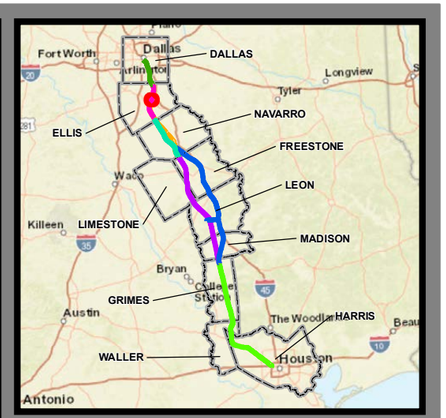
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2A
Sheet 19 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
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Oil/Gas Wells
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Oil/Gas Pipelines
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Soils
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- Hydric
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- Prime Farmland if Drained

*****This Sheet only depicts Segment 2A; Segment 2B is also located in this same area and can be referenced on Sheet 35.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

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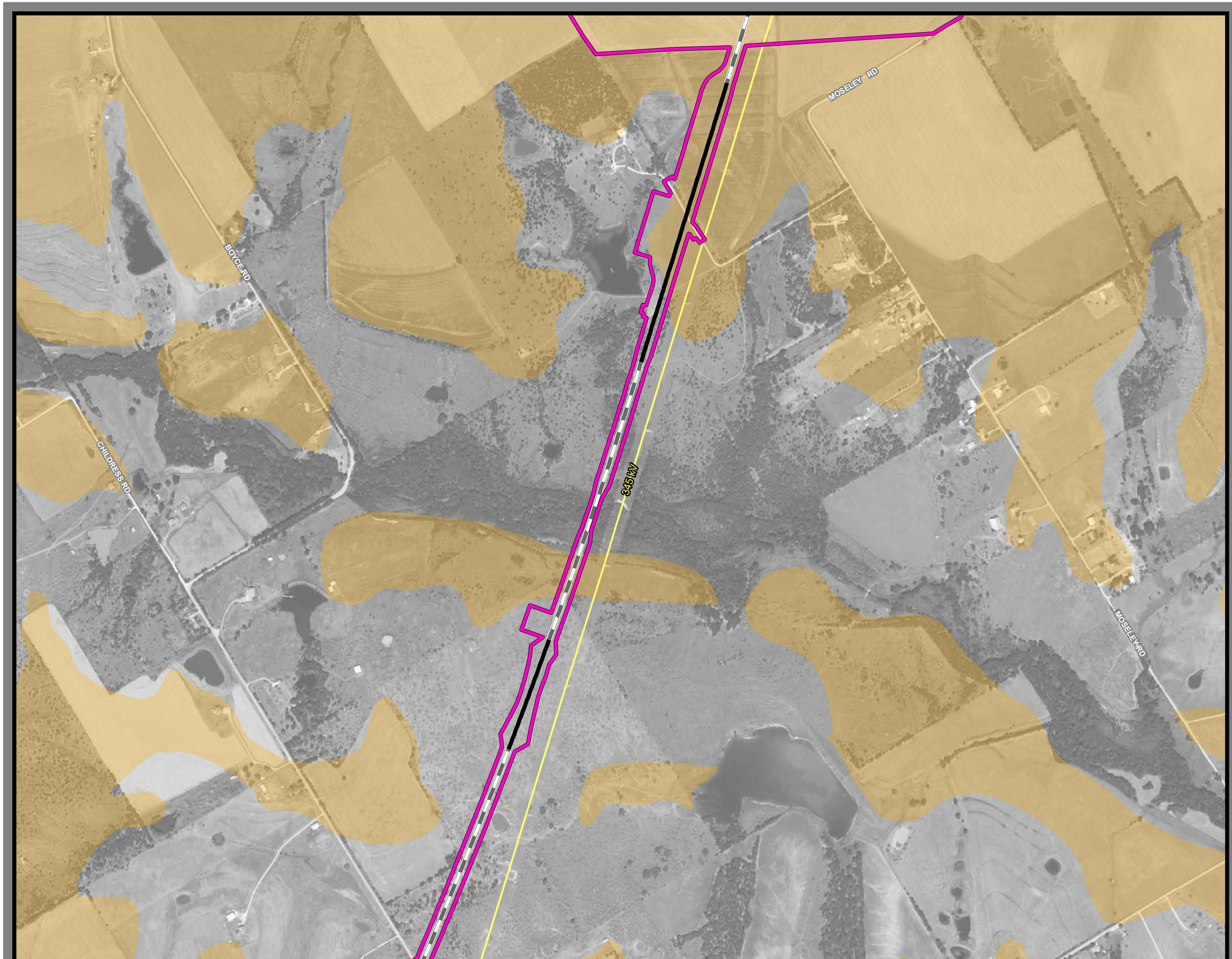
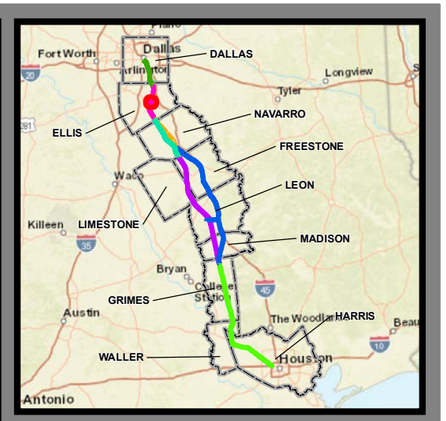
N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2A
Sheet 20 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
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Oil/Gas Pipelines
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Soils
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- Prime Farmland
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*****This Sheet only depicts Segment 2A; Segment 2B is also located in this same area and can be referenced on Sheet 36.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

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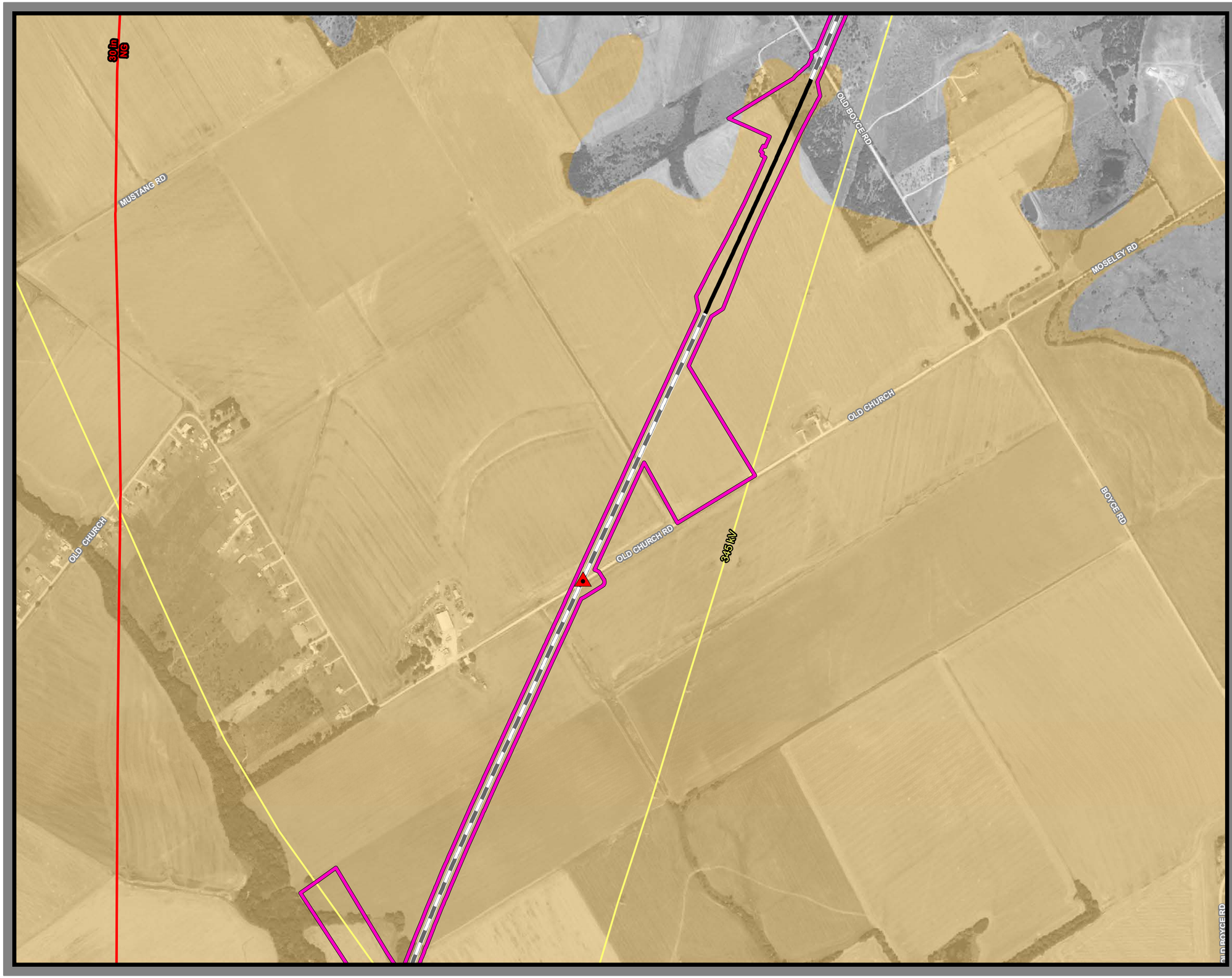
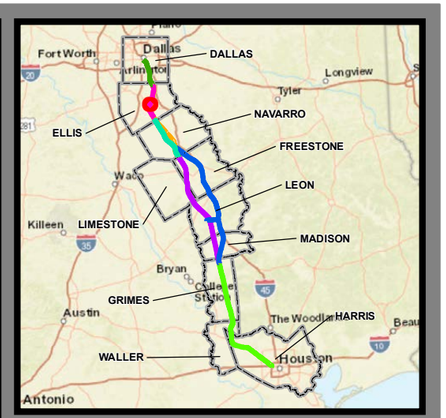
N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2A
Sheet 21 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
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Oil/Gas Wells
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Oil/Gas Pipelines
- Active
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Soils
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*****This Sheet only depicts Segment 2A; Segment 2B is also located in this same area and can be referenced on Sheet 37.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
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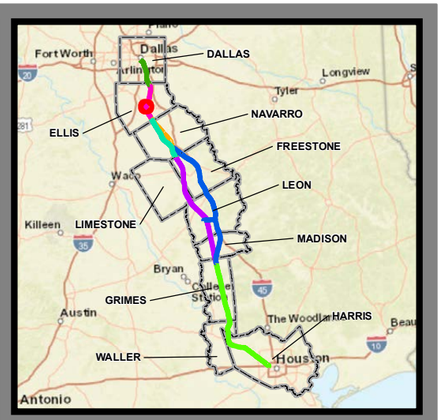
N W E S



Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2A
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Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut

- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 2A; Segment 2B is also located in this same area and can be referenced on Sheet 38.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

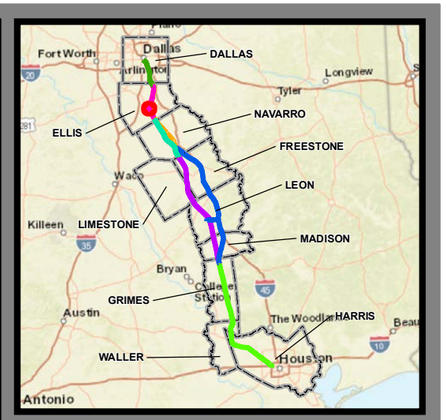
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S



Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2A
Sheet 23 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 2A; Segment 2B is also located in this same area and can be referenced on Sheet 39.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

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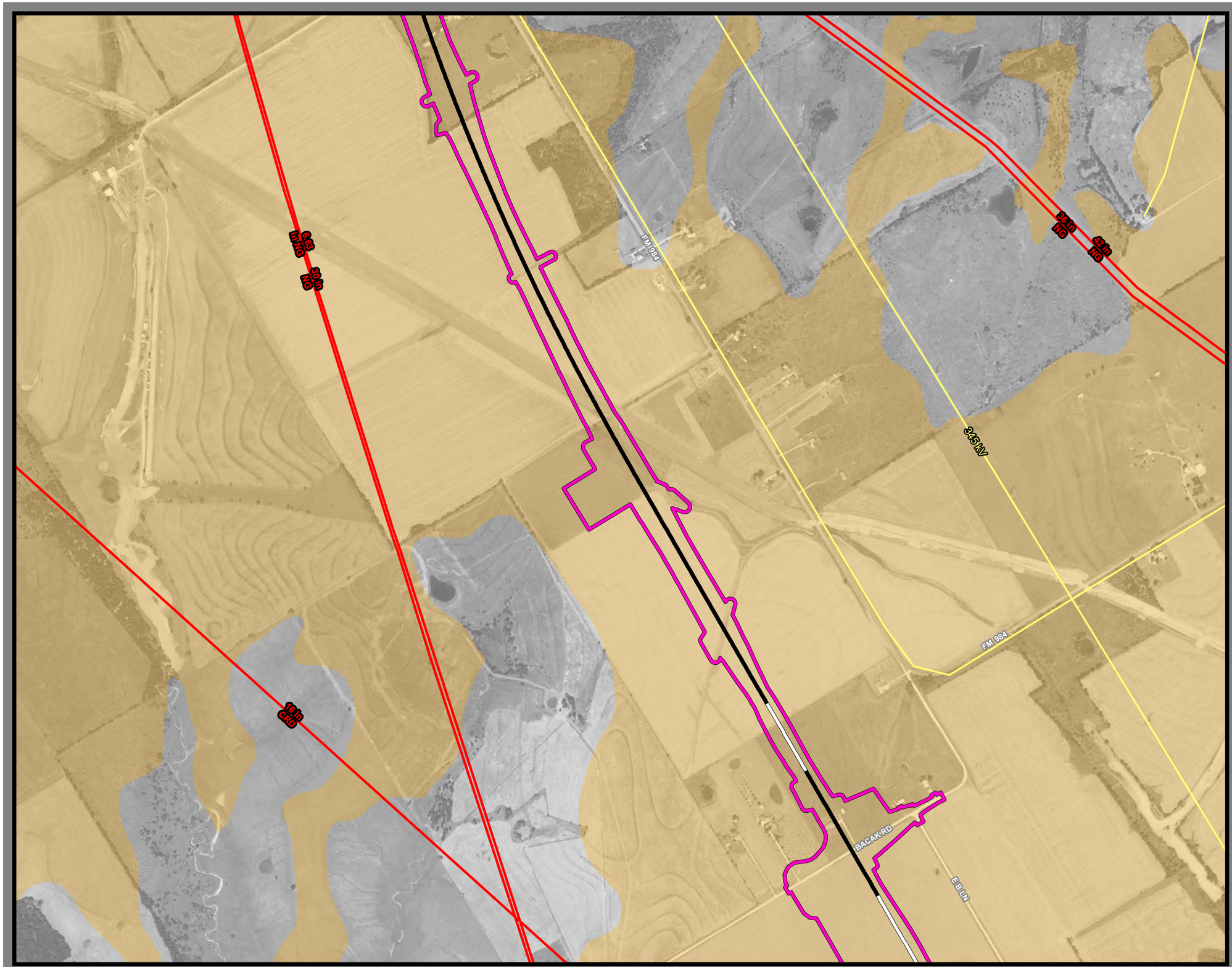
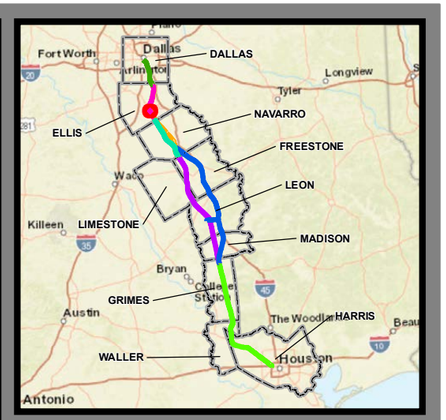




Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2A
Sheet 24 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 2A; Segment 2B is also located in this same area and can be referenced on Sheet 40.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

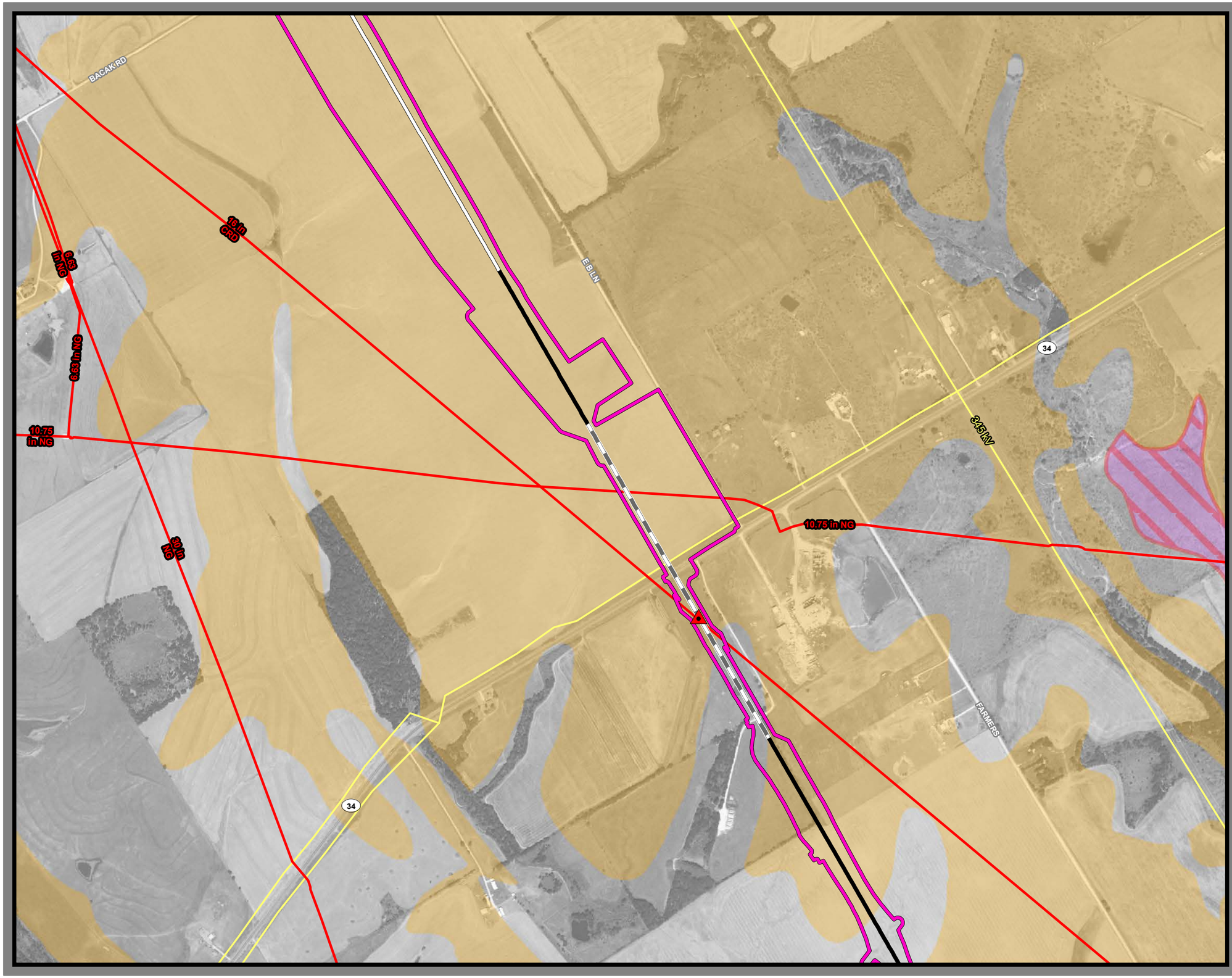
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

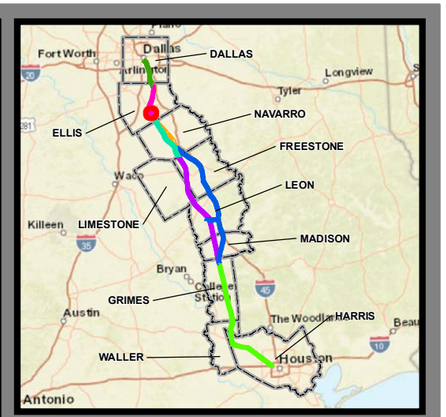
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2A
Sheet 25 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

This Sheet only depicts Segment 2A; Segment 2B is also located in this same area and can be referenced on Sheet 41.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

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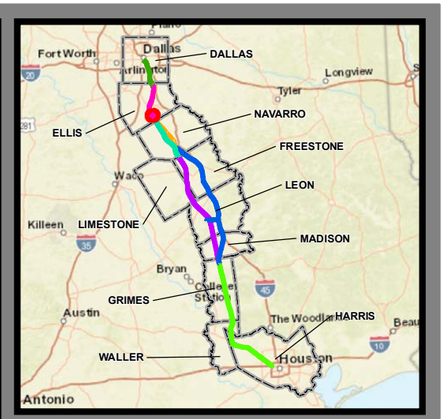


Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2A
Sheet 26 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

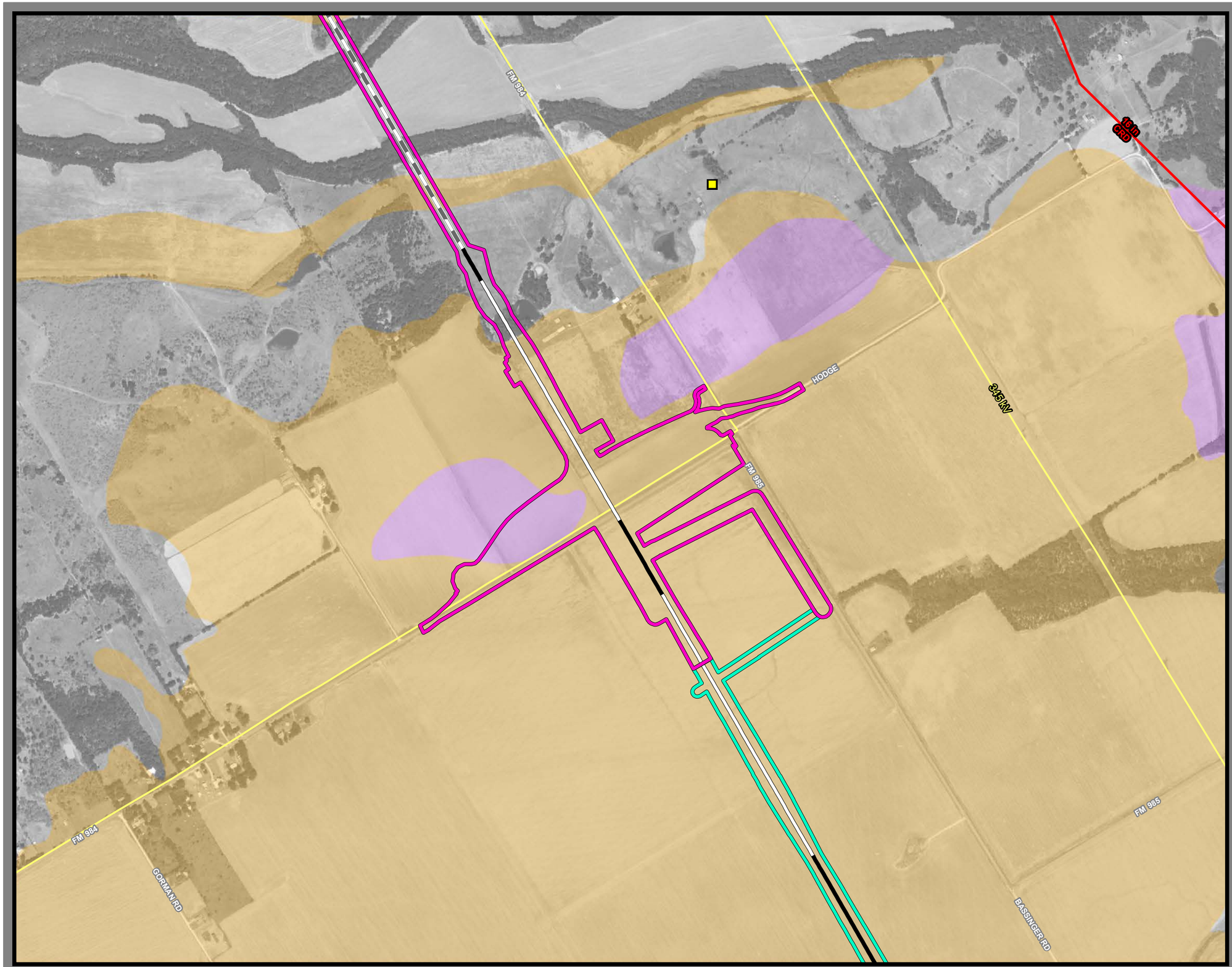
Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

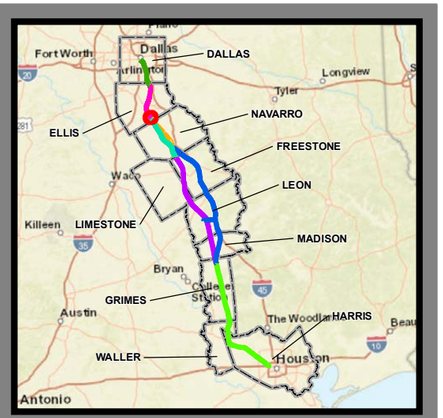
*****This Sheet only depicts Segment 2A; Segment 2B is also located in this same area and can be referenced on Sheet 42.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2A, 3A
Sheet 27 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segments 2A & 3A; Segment 2B, 3B & 3C are also located in this same area and can be referenced on Sheets 43, 62 & 81.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

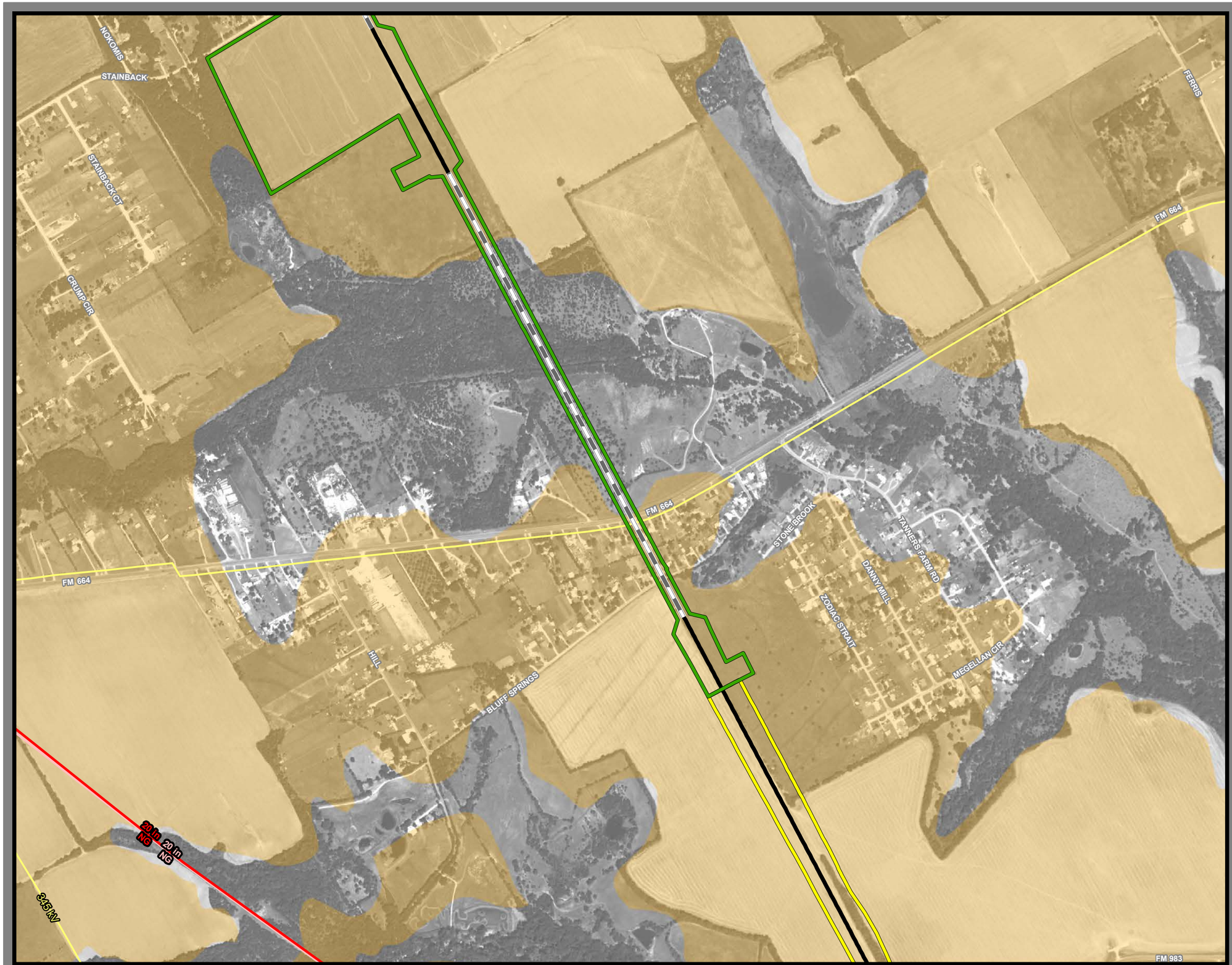
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

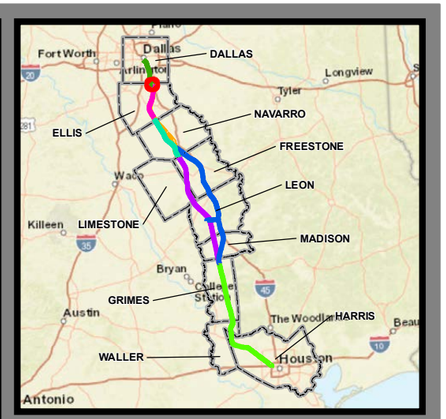
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B
Sheet 28 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

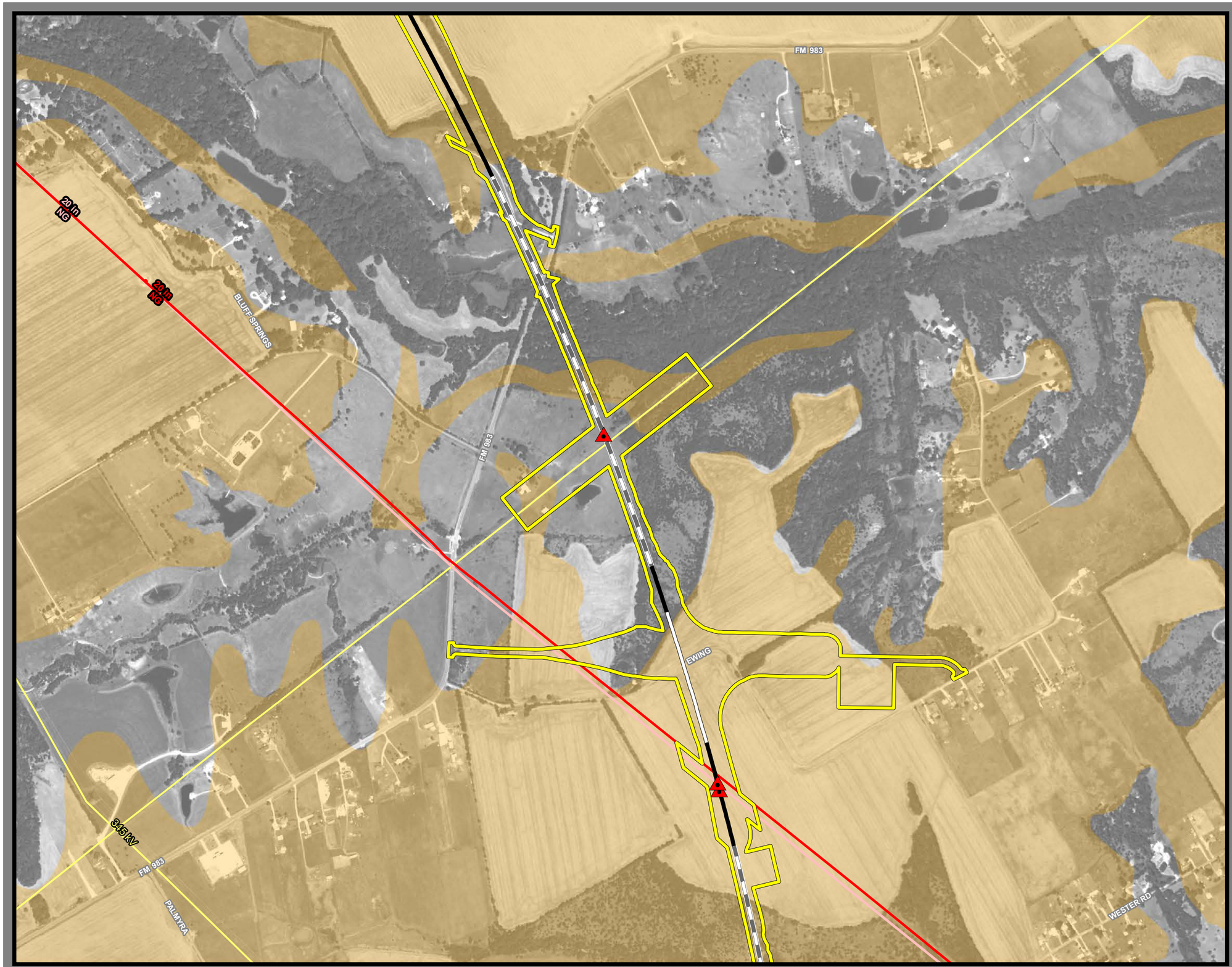
Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

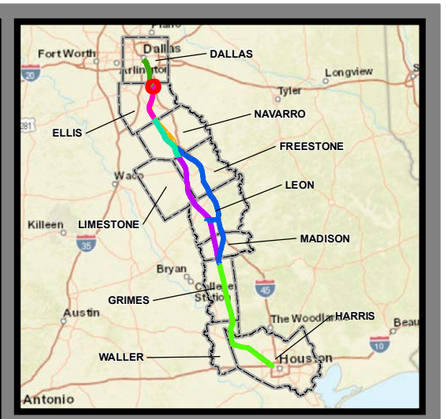
*****This Sheet only depicts Segment 2B; Segment 2A is also located in this same area and can be referenced on Sheet 12.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B
Sheet 29 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 2B; Segment 2A is also located in this same area and can be referenced on Sheet 13.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
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Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

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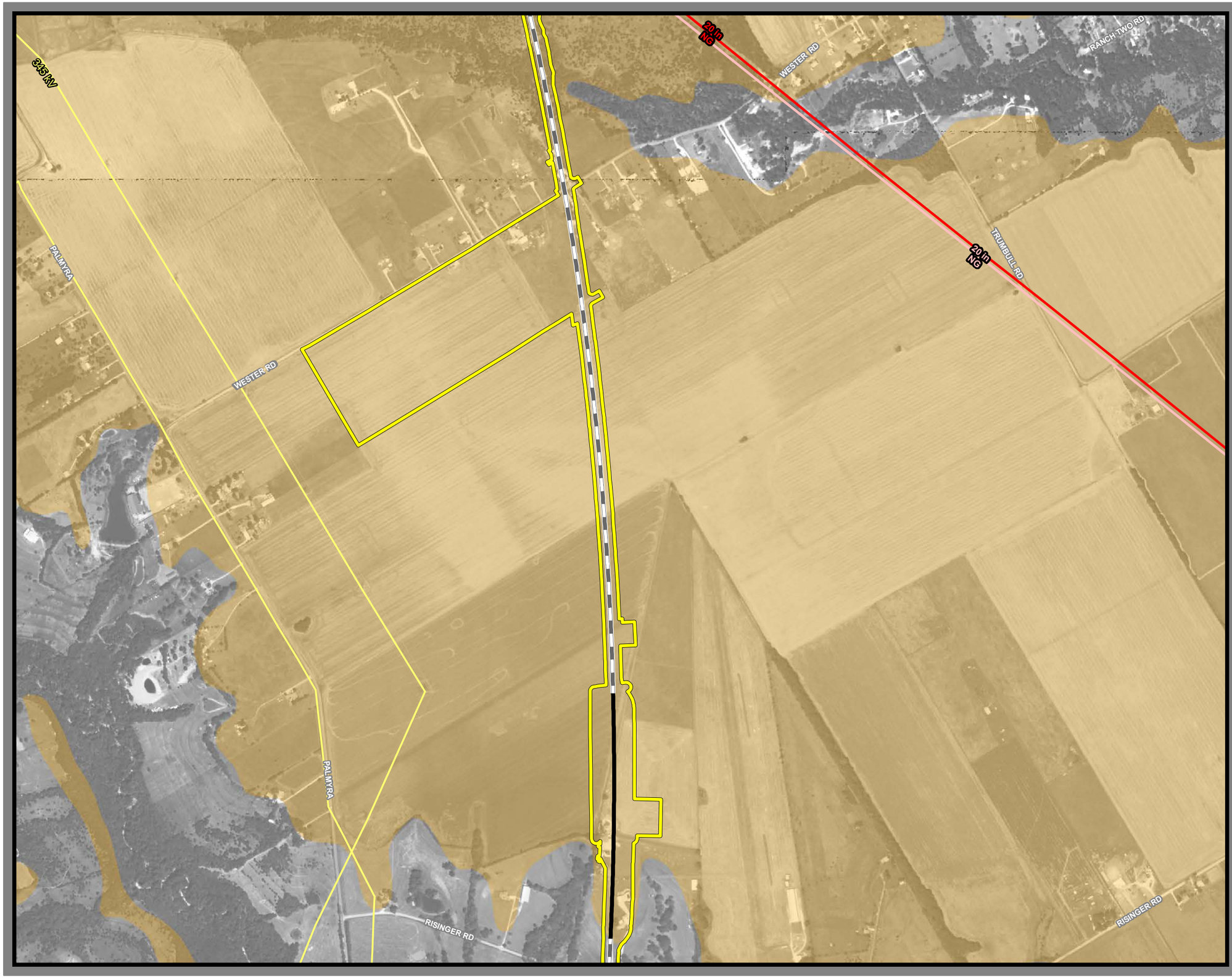

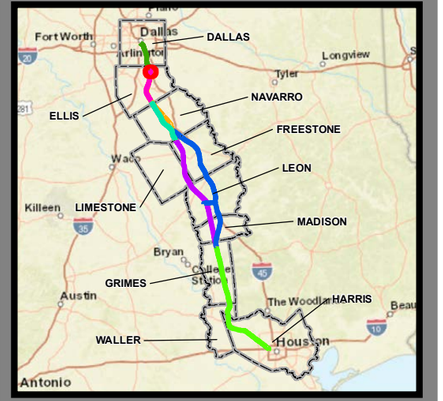

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B
Sheet 30 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 2B; Segment 2A is also located in this same area and can be referenced on Sheet 14.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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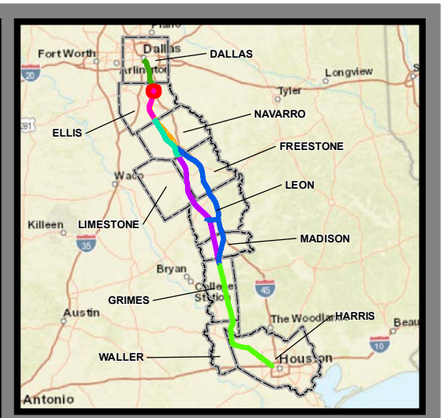
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S



Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B
Sheet 31 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 2B; Segment 2A is also located in this same area and can be referenced on Sheet 15.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

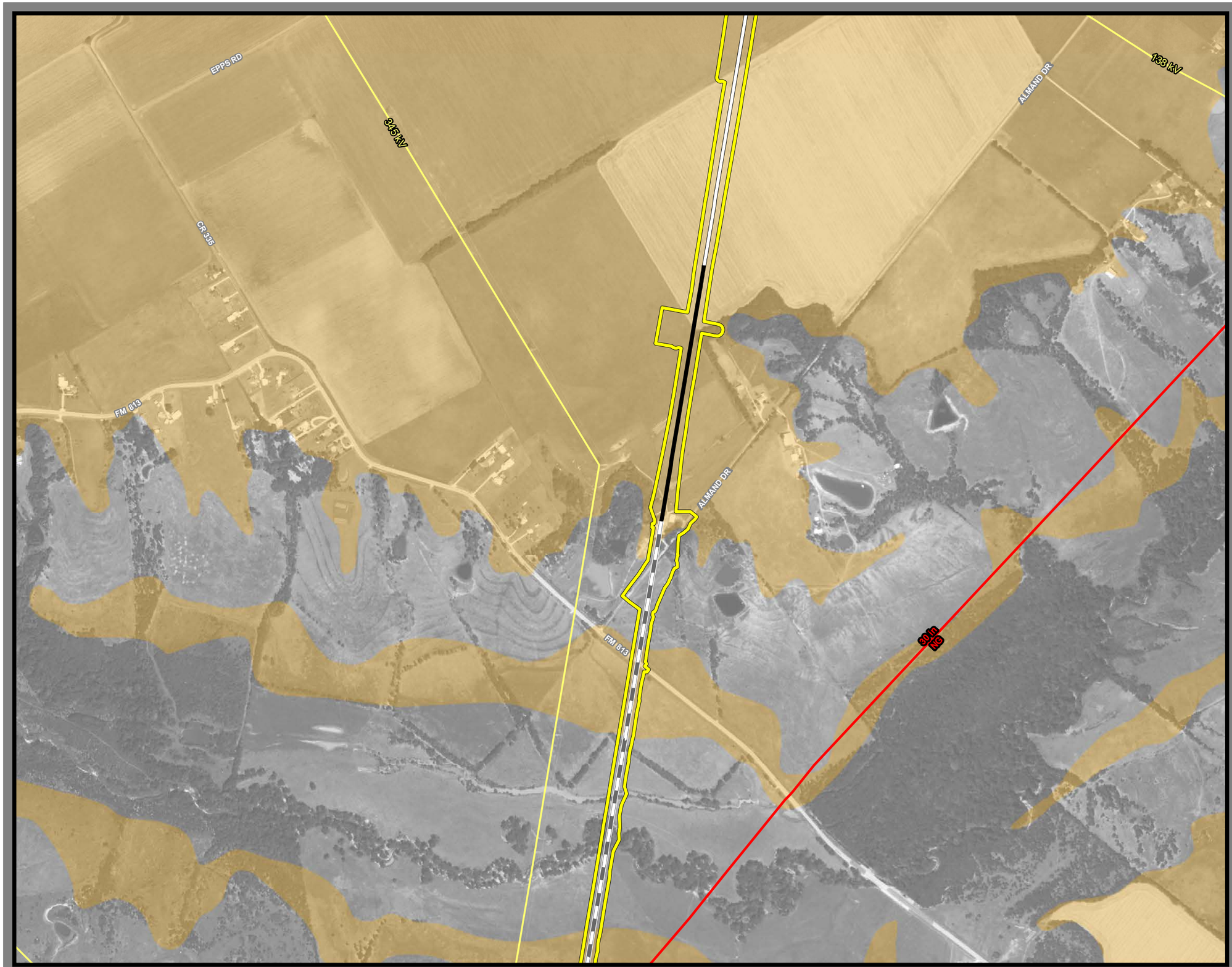
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

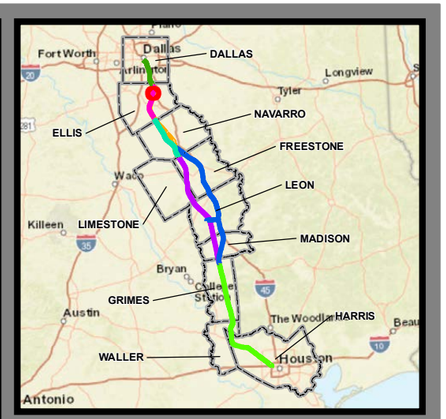
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B
Sheet 32 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

This Sheet only depicts Segment 2B; Segment 2A is also located in this same area and can be referenced on Sheet 16.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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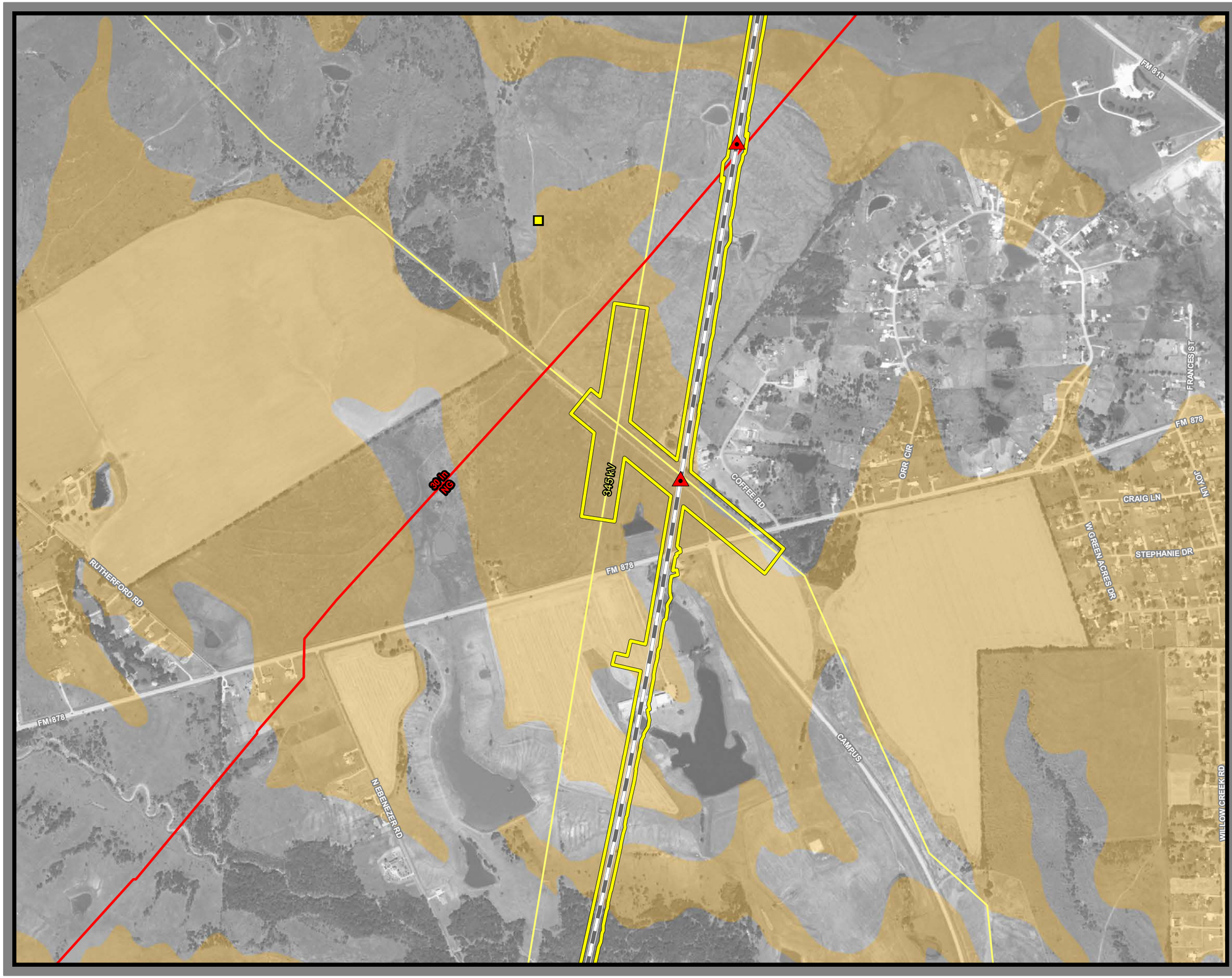
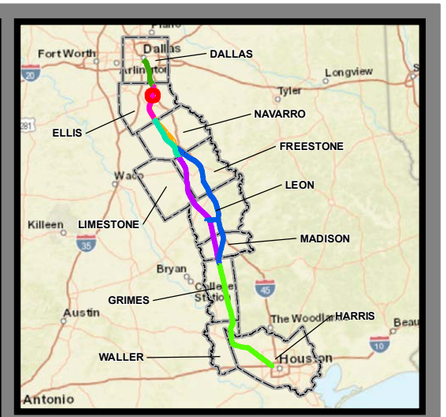
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B
Sheet 33 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 2B; Segment 2A is also located in this same area and can be referenced on Sheet 17.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

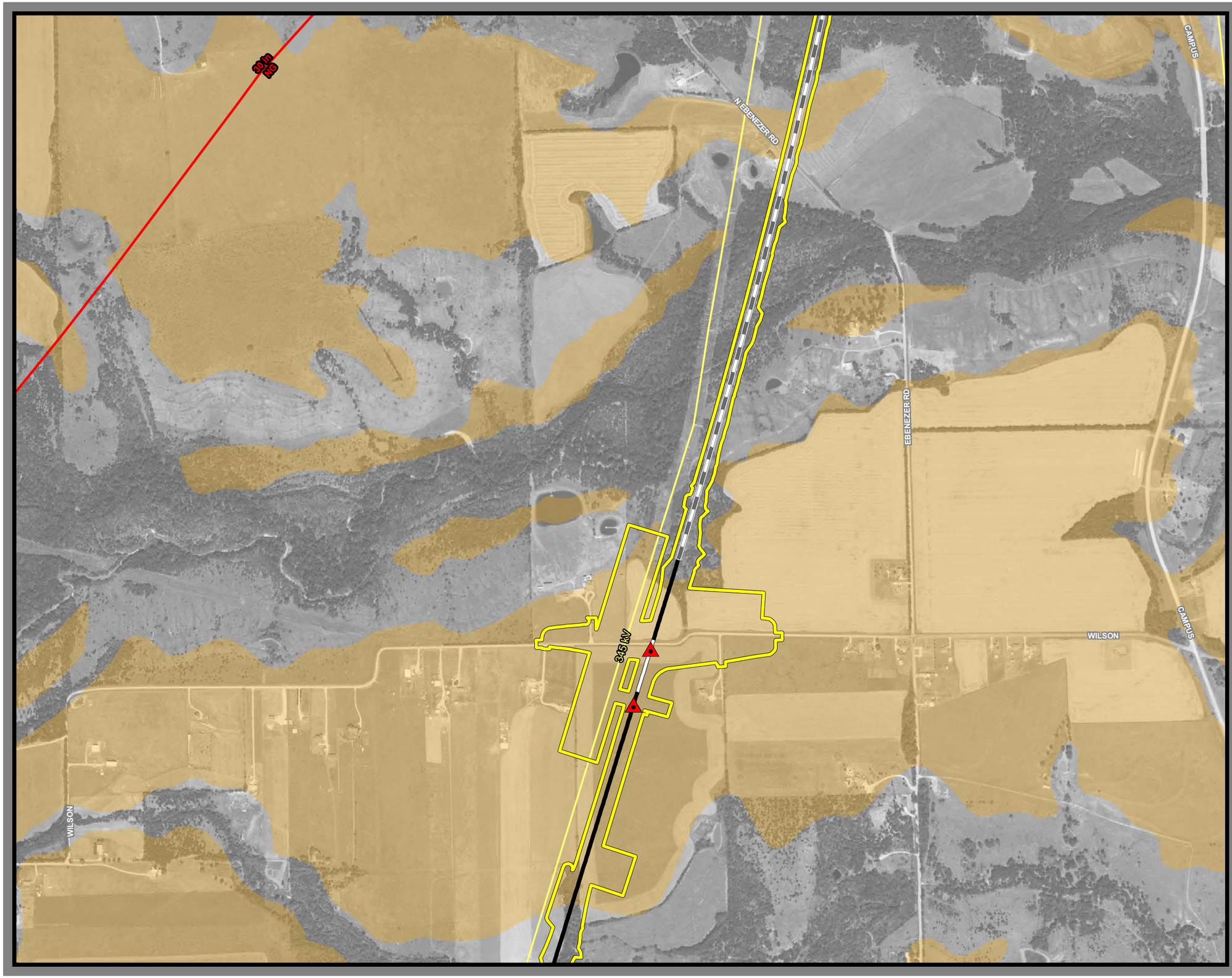
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

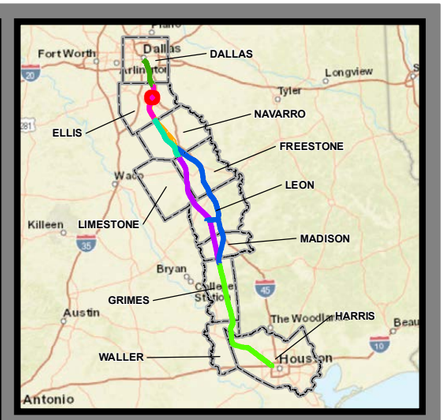
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B
Sheet 34 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

This Sheet only depicts Segment 2B; Segment 2A is also located in this same area and can be referenced on Sheet 18.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

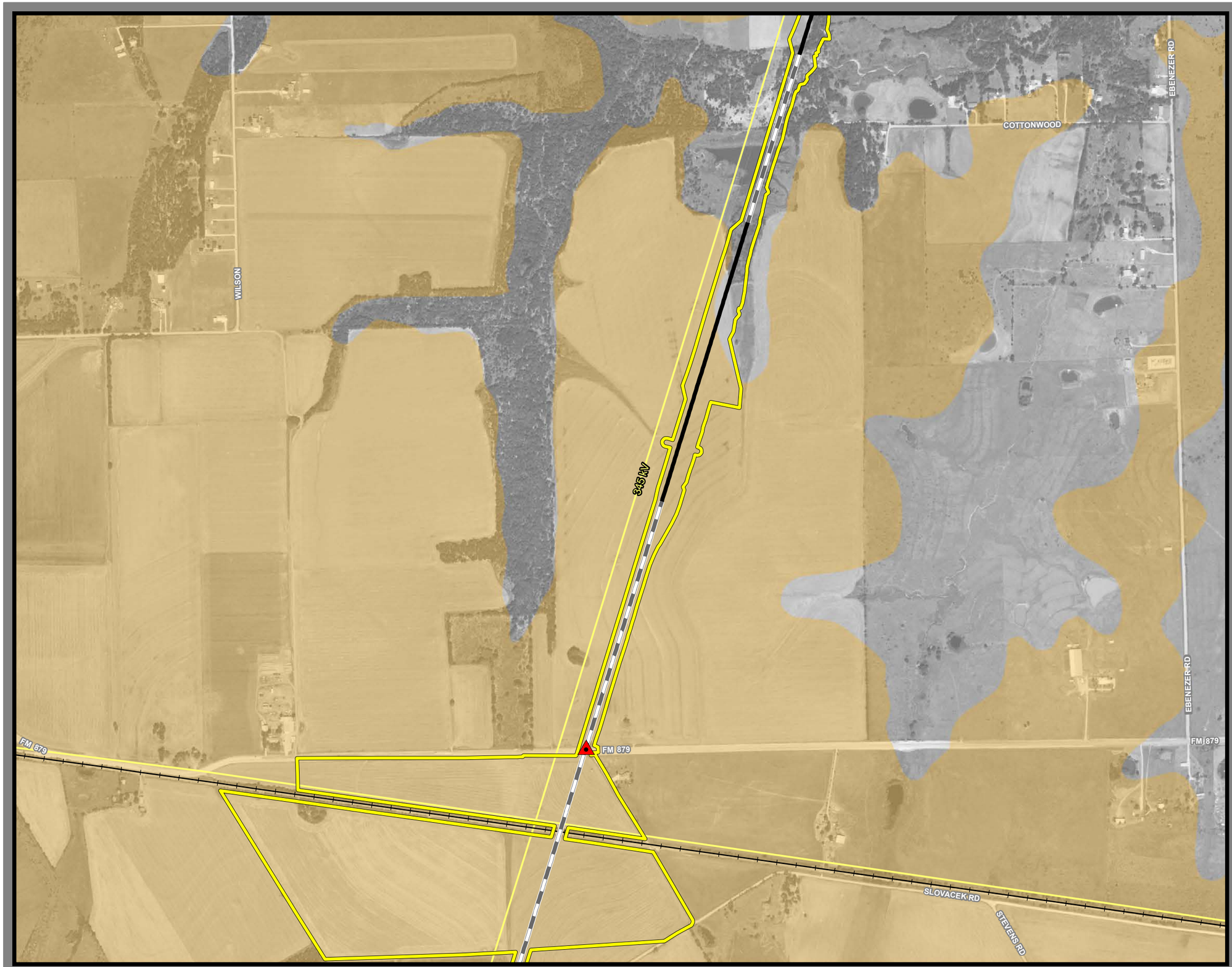
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

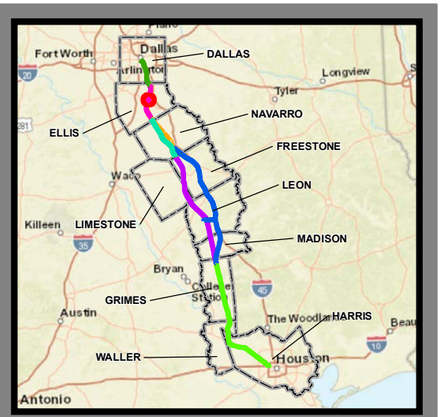
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B
Sheet 35 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

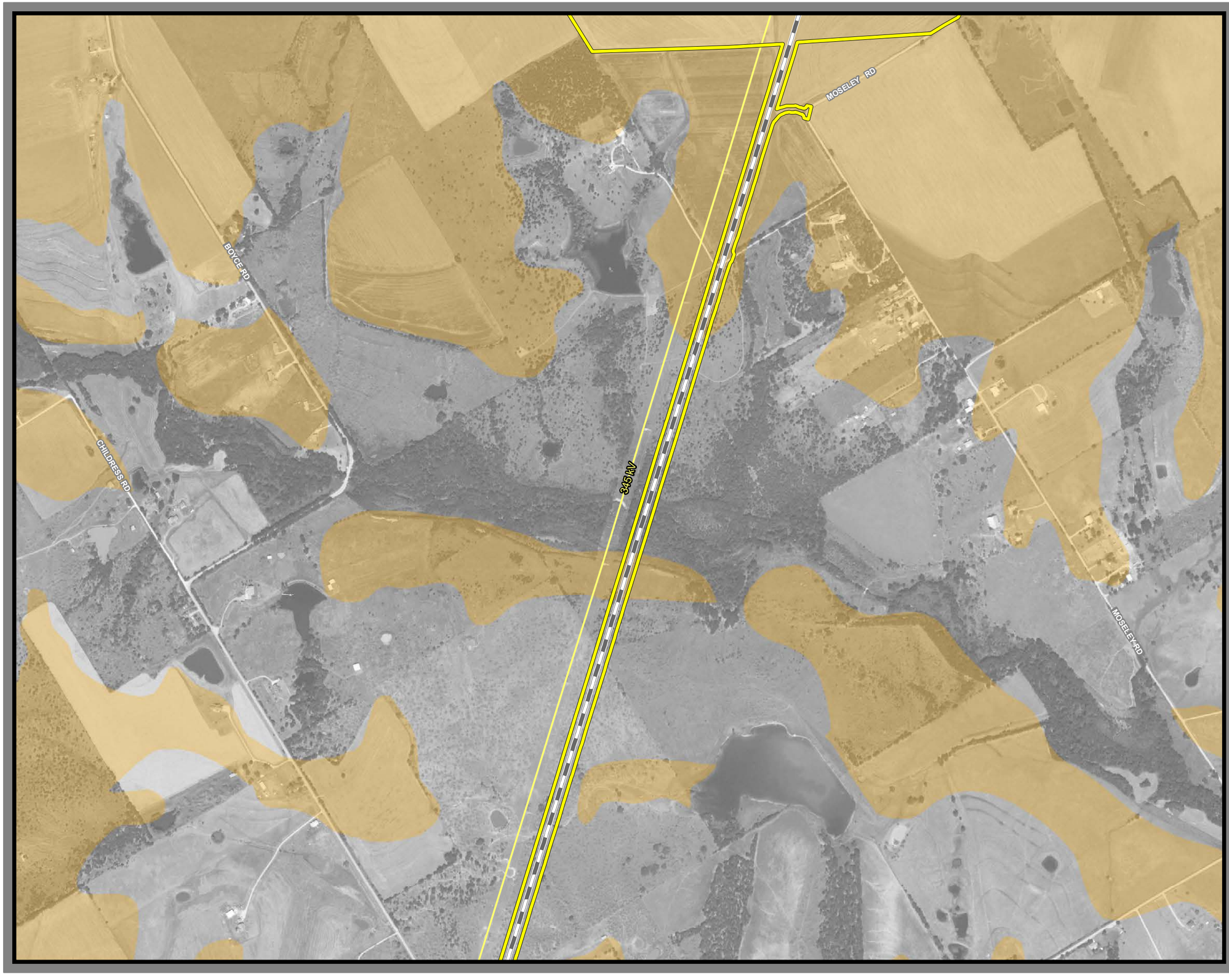
Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

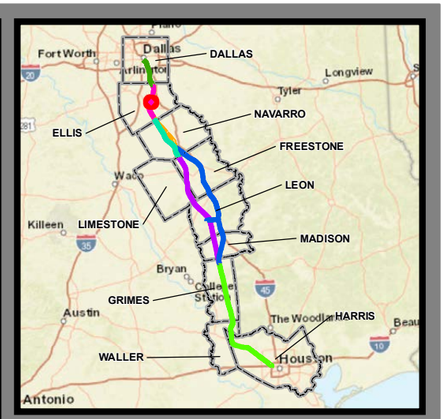
*****This Sheet only depicts Segment 2B; Segment 2A is also located in this same area and can be referenced on Sheet 19.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B
Sheet 36 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 2B; Segment 2A is also located in this same area and can be referenced on Sheet 20.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

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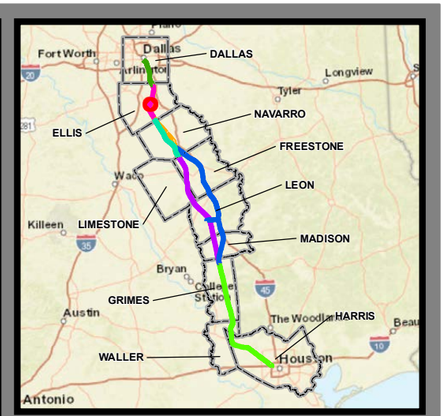

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B
Sheet 37 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 2B; Segment 2A is also located in this same area and can be referenced on Sheet 21.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

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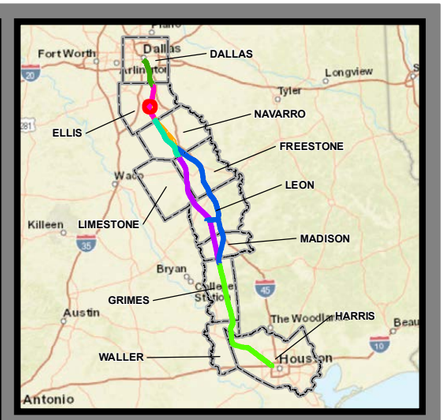


Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B
Sheet 38 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 2B; Segment 2A is also located in this same area and can be referenced on Sheet 22.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

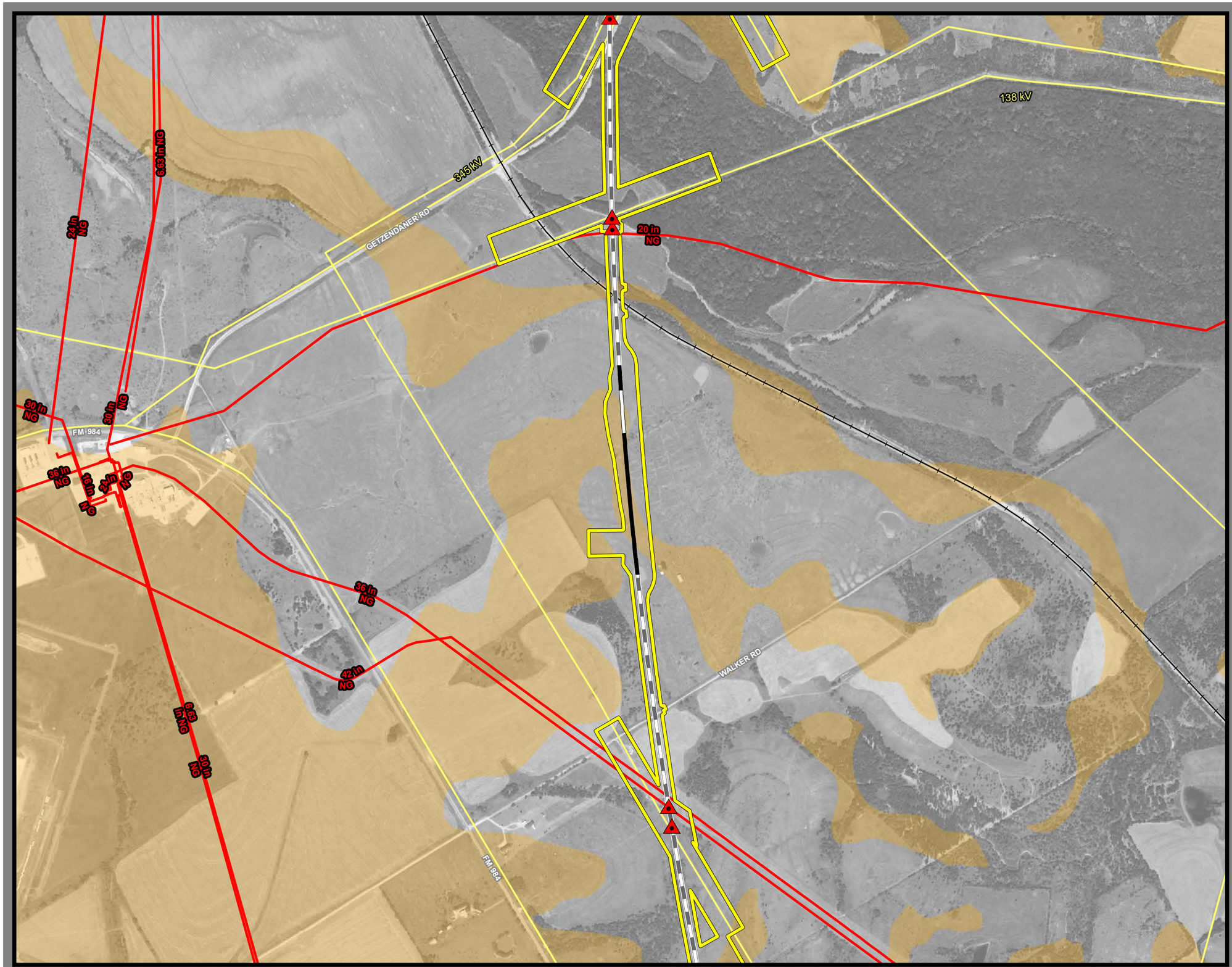
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

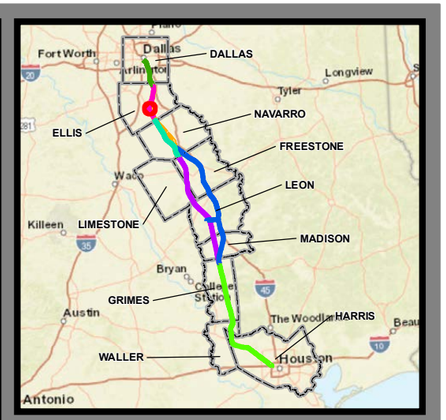
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B
Sheet 39 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

This Sheet only depicts Segment 2B; Segment 2A is also located in this same area and can be referenced on Sheet 23.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

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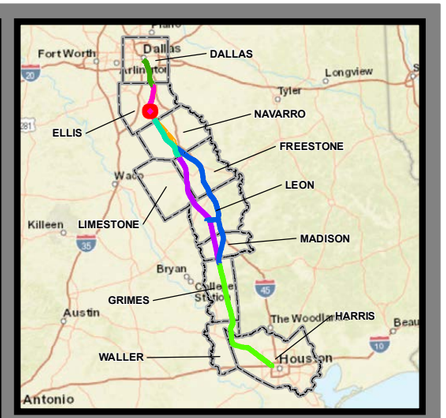


Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B
Sheet 40 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

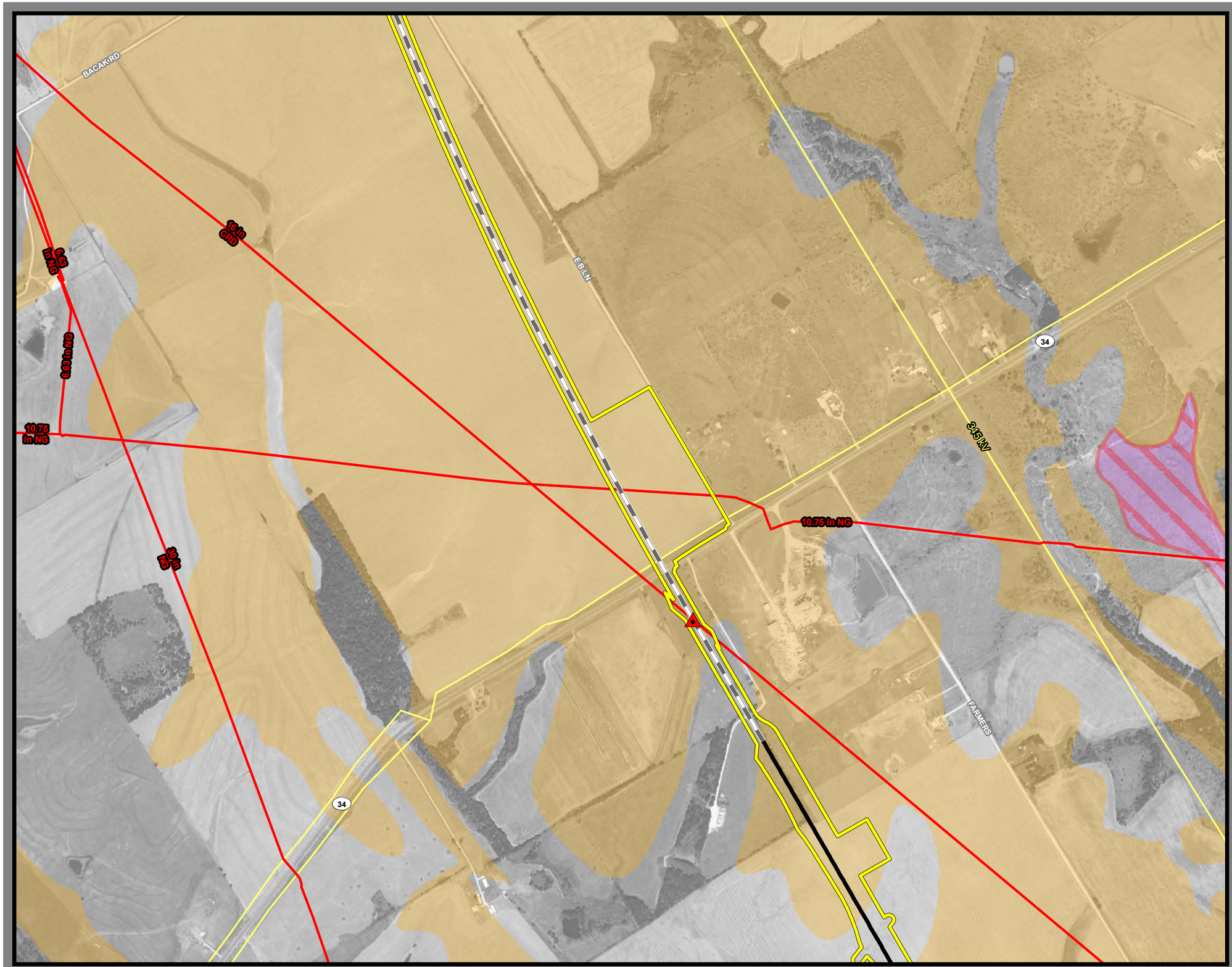
Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

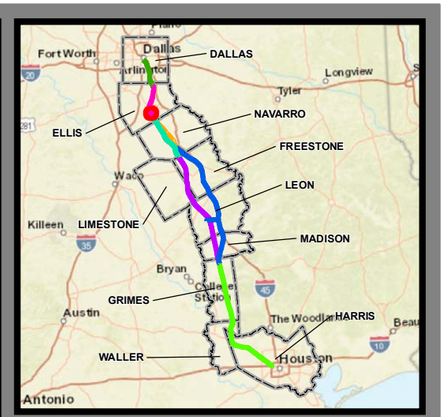
*****This Sheet only depicts Segment 2B; Segment 2A is also located in this same area and can be referenced on Sheet 24.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B
Sheet 41 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 2B; Segment 2A is also located in this same area and can be referenced on Sheet 25.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

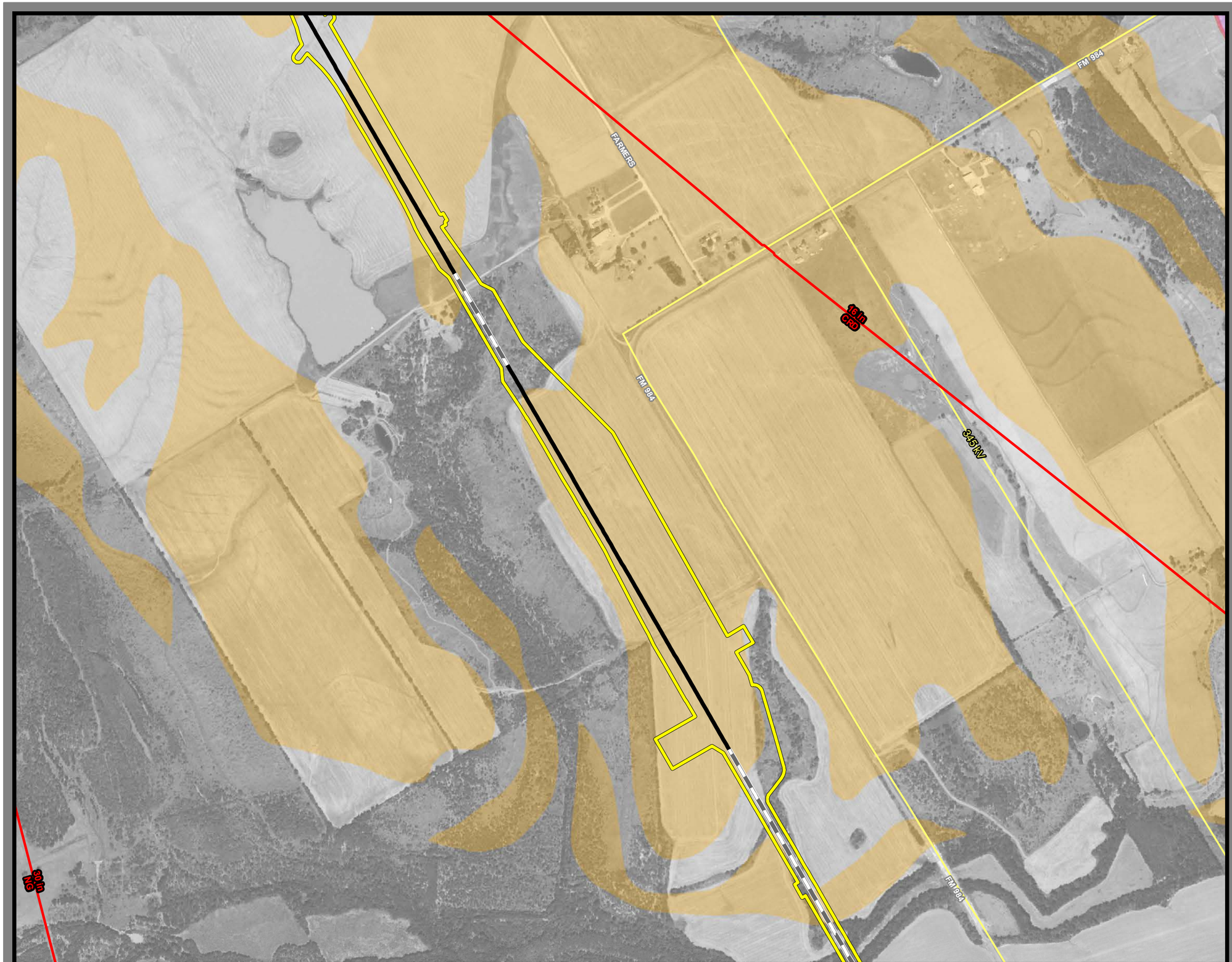
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

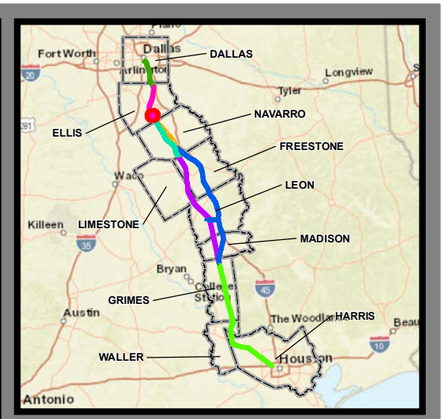
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B
Sheet 42 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 2B; Segment 2A is also located in this same area and can be referenced on Sheet 26.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

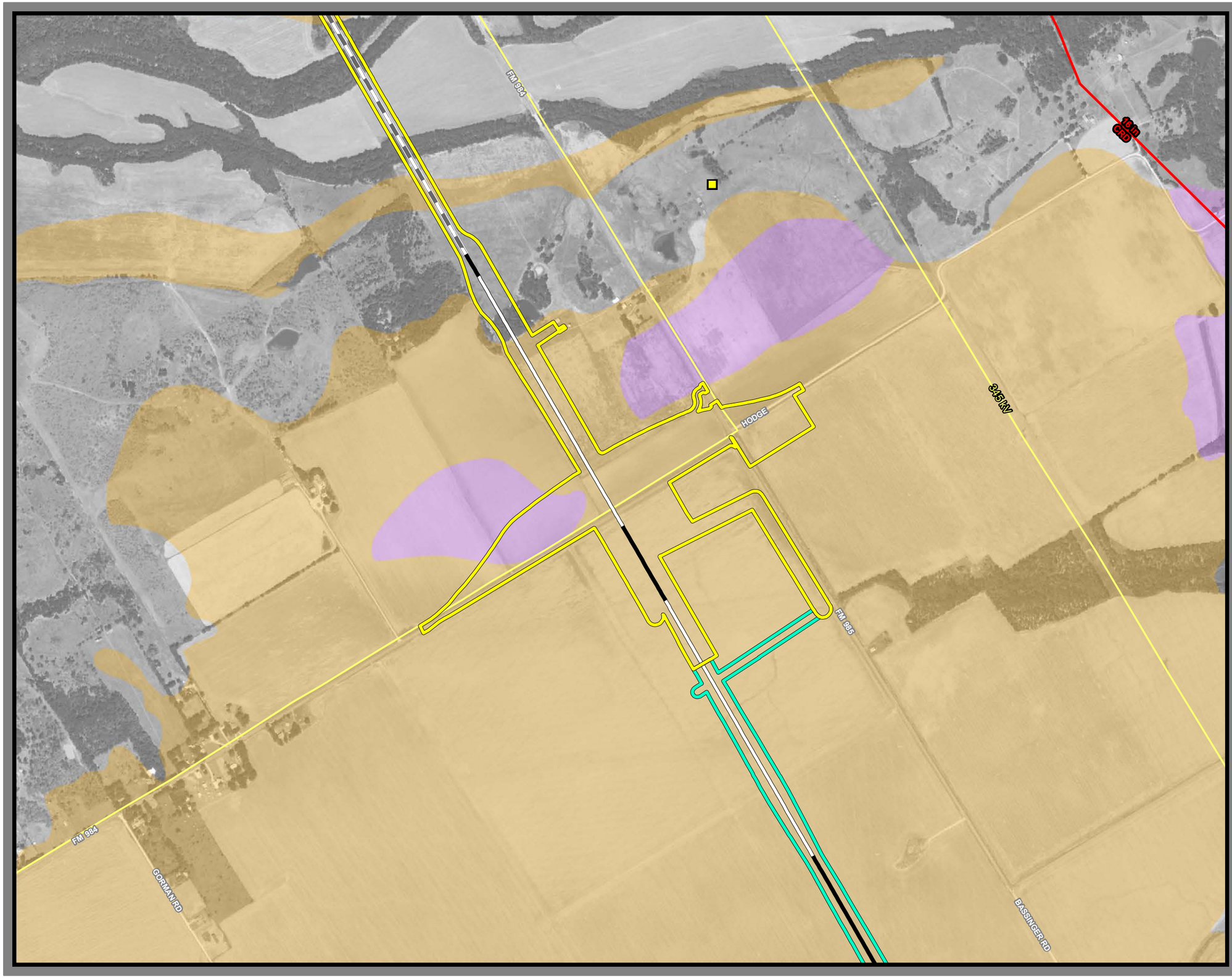
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

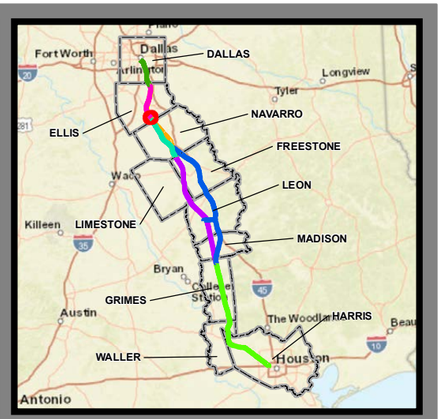
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B, 3A
Sheet 43 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segments 2B & 3A; Segments 2A, 3B & 3C are also located in this same area and can be referenced on Sheets 27, 62 & 81.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

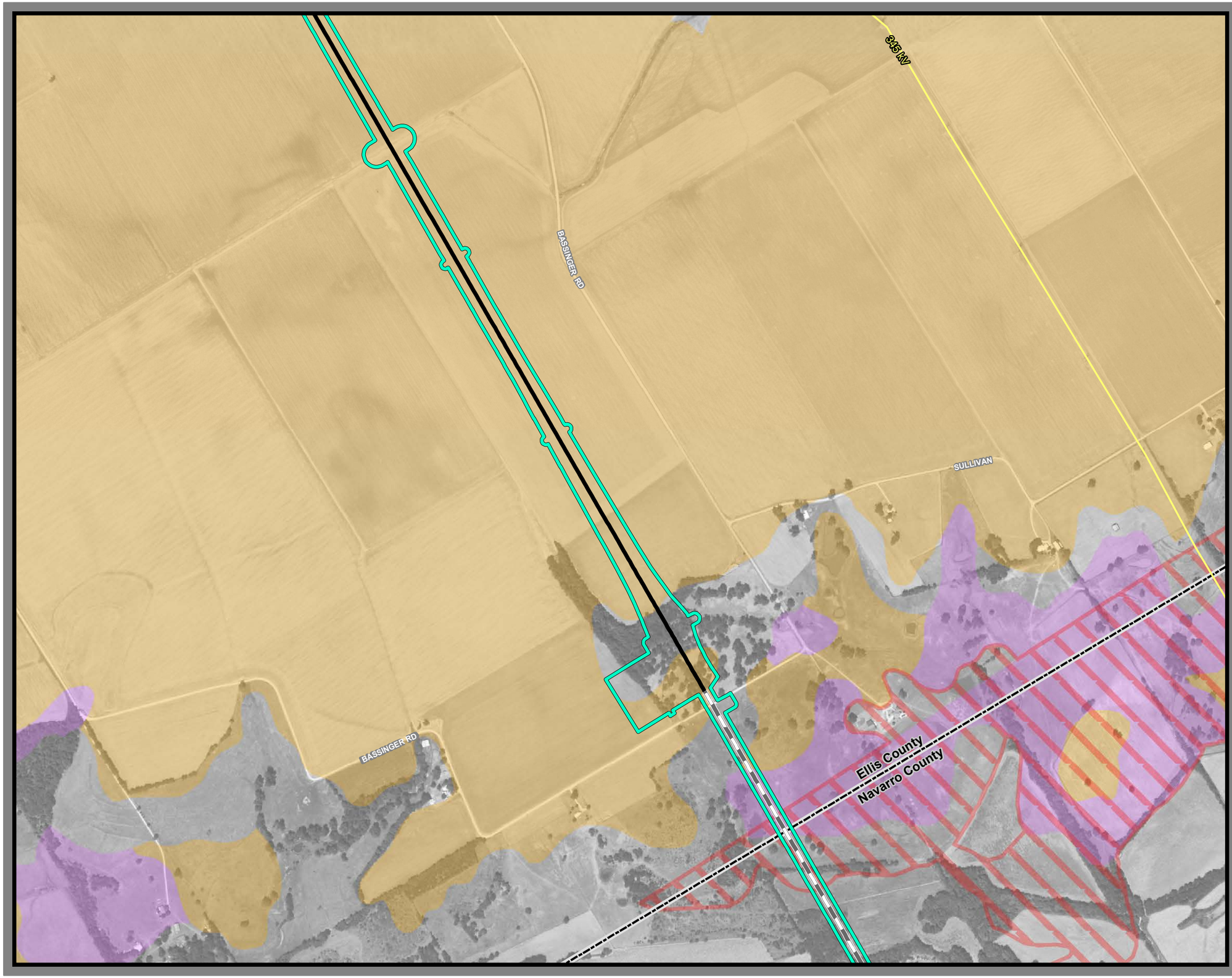
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

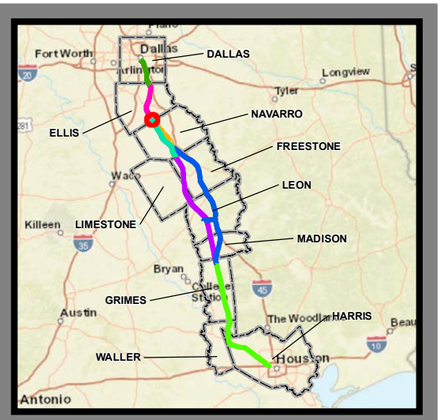
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 44 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3A; Segments 3B & 3C are also located in this same area and can be referenced on Sheets 63 & 82.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

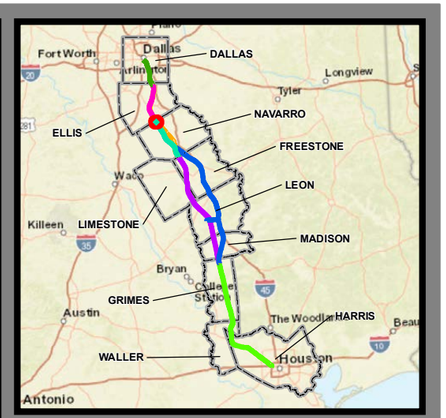
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

N
W E
S

Ellis County
Navarro County
CR 4785
CR 4779
345kV
CR 4785
CR 4779



Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 45 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

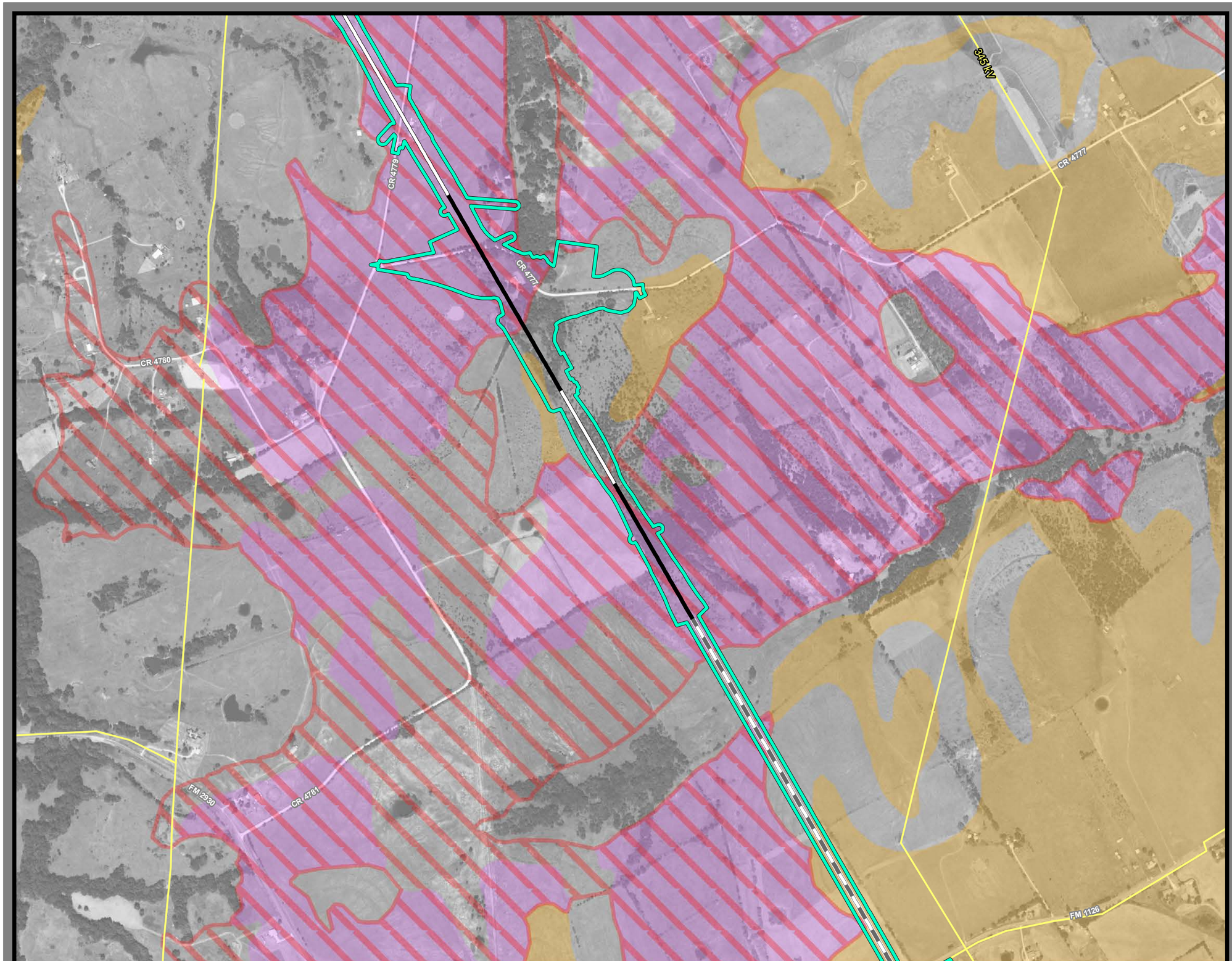
Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

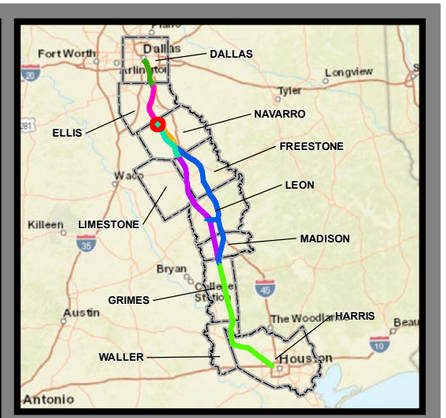
*****This Sheet only depicts Segment 3A; Segments 3B & 3C are also located in this same area and can be referenced on Sheets 64 & 83.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 46 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3A; Segments 3B & 3C are also located in this same area and can be referenced on Sheets 65 & 84.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

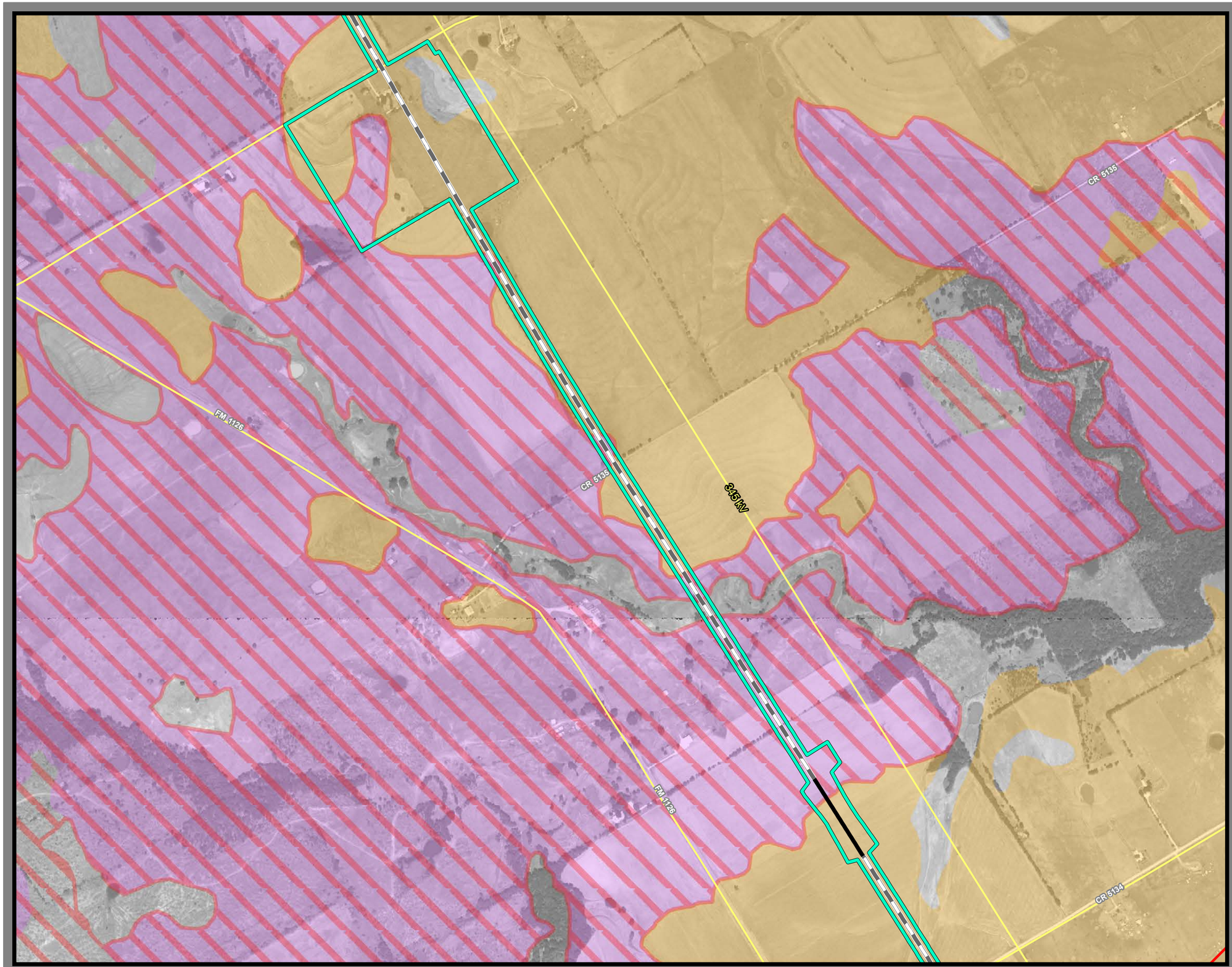
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

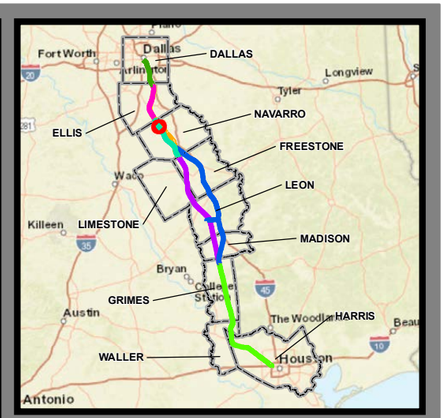
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 47 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut

- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3A; Segments 3B & 3C are also located in this same area and can be referenced on Sheets 66 & 85.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
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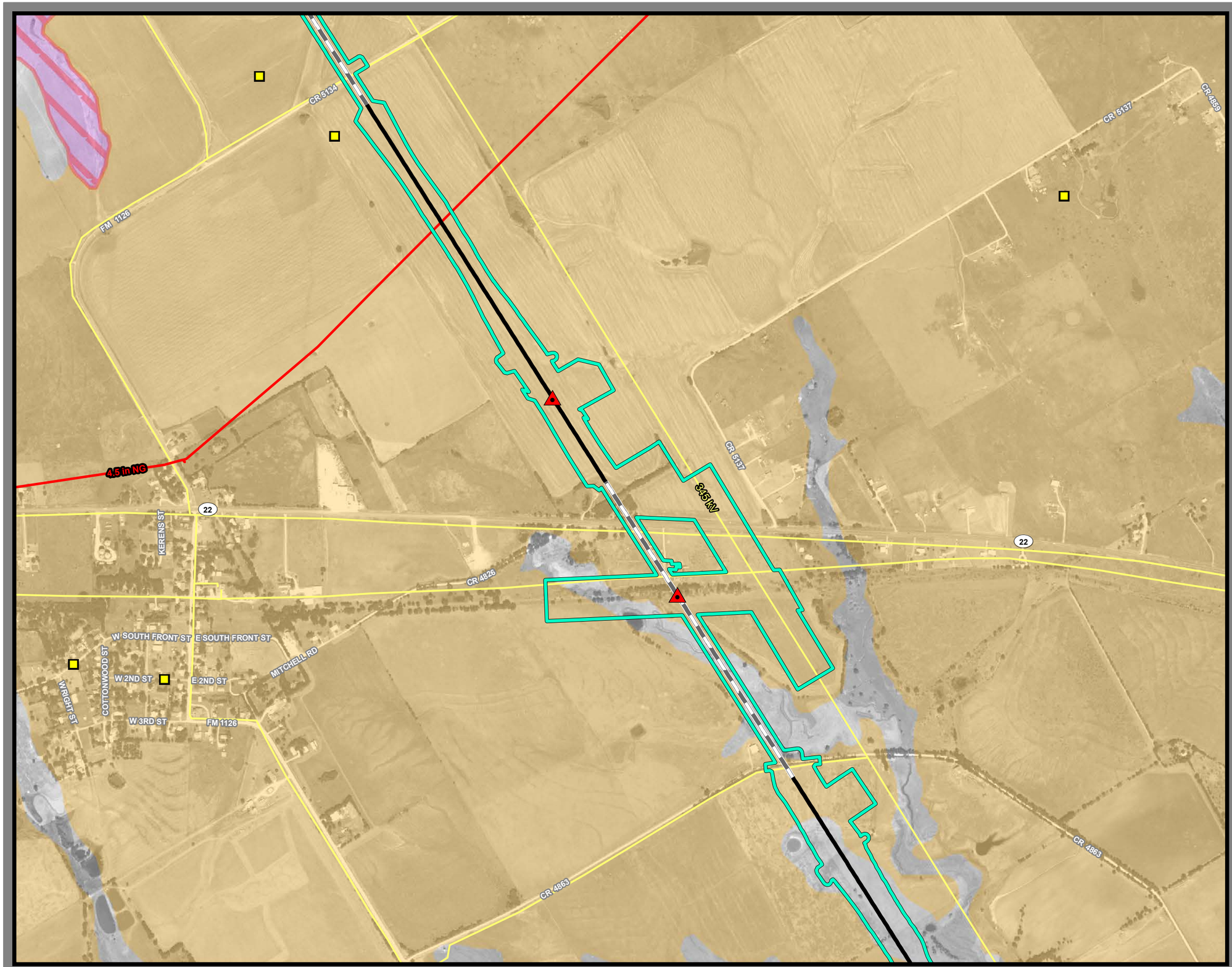
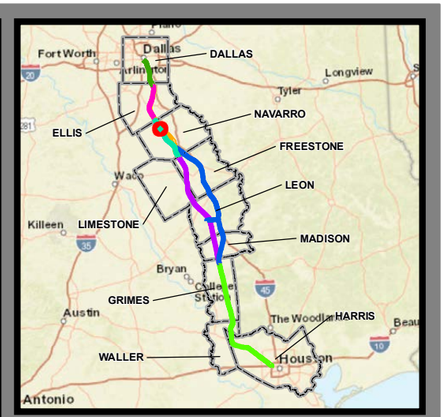
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 48 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
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Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3A; Segment 3C is also located in this same area and can be referenced on Sheet 86.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

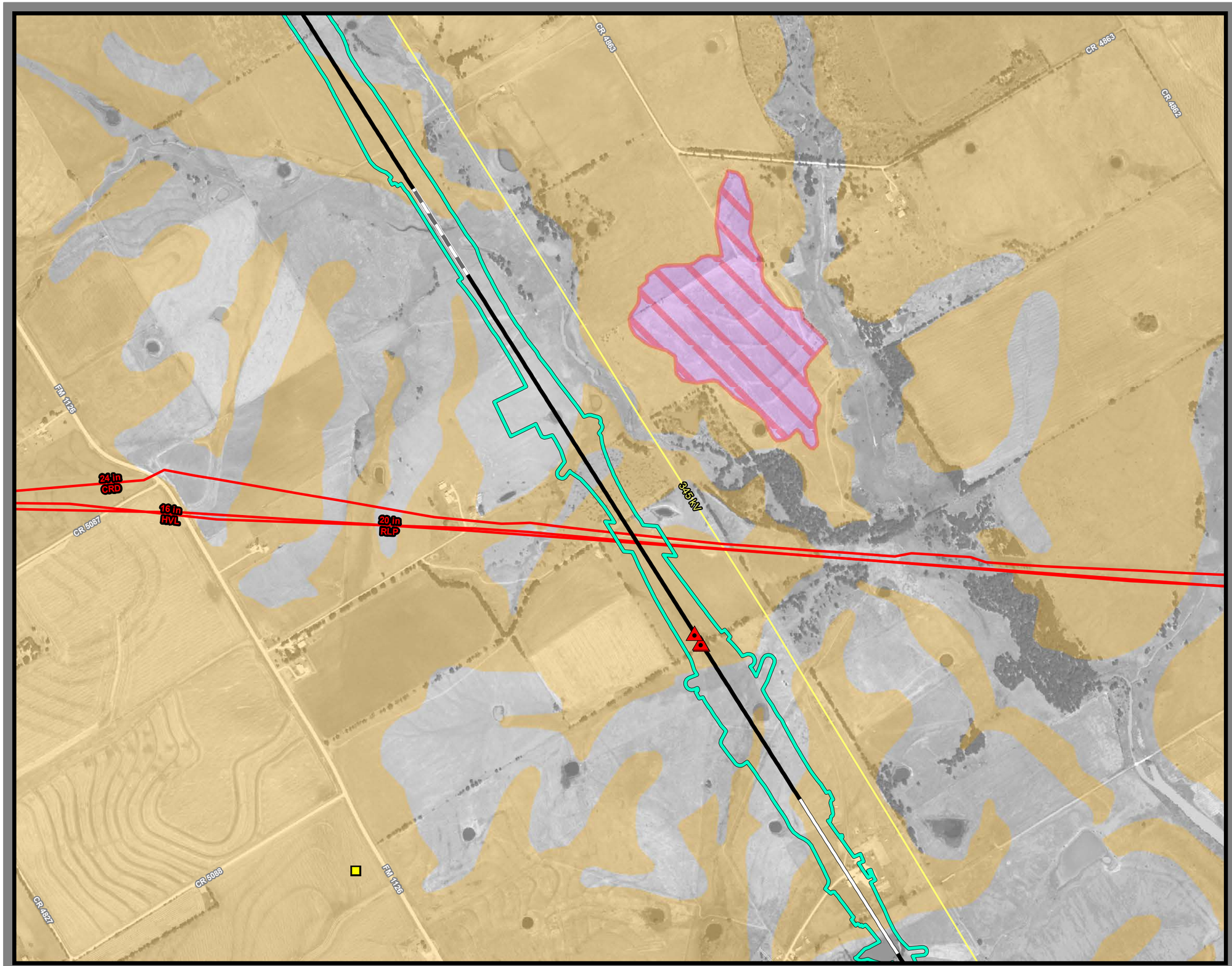
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

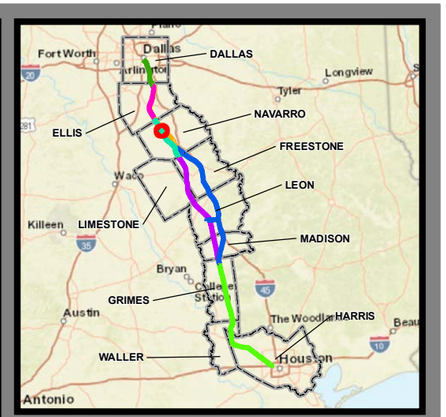
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 49 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3A; Segment 3C is also located in this same area and can be referenced on Sheet 87.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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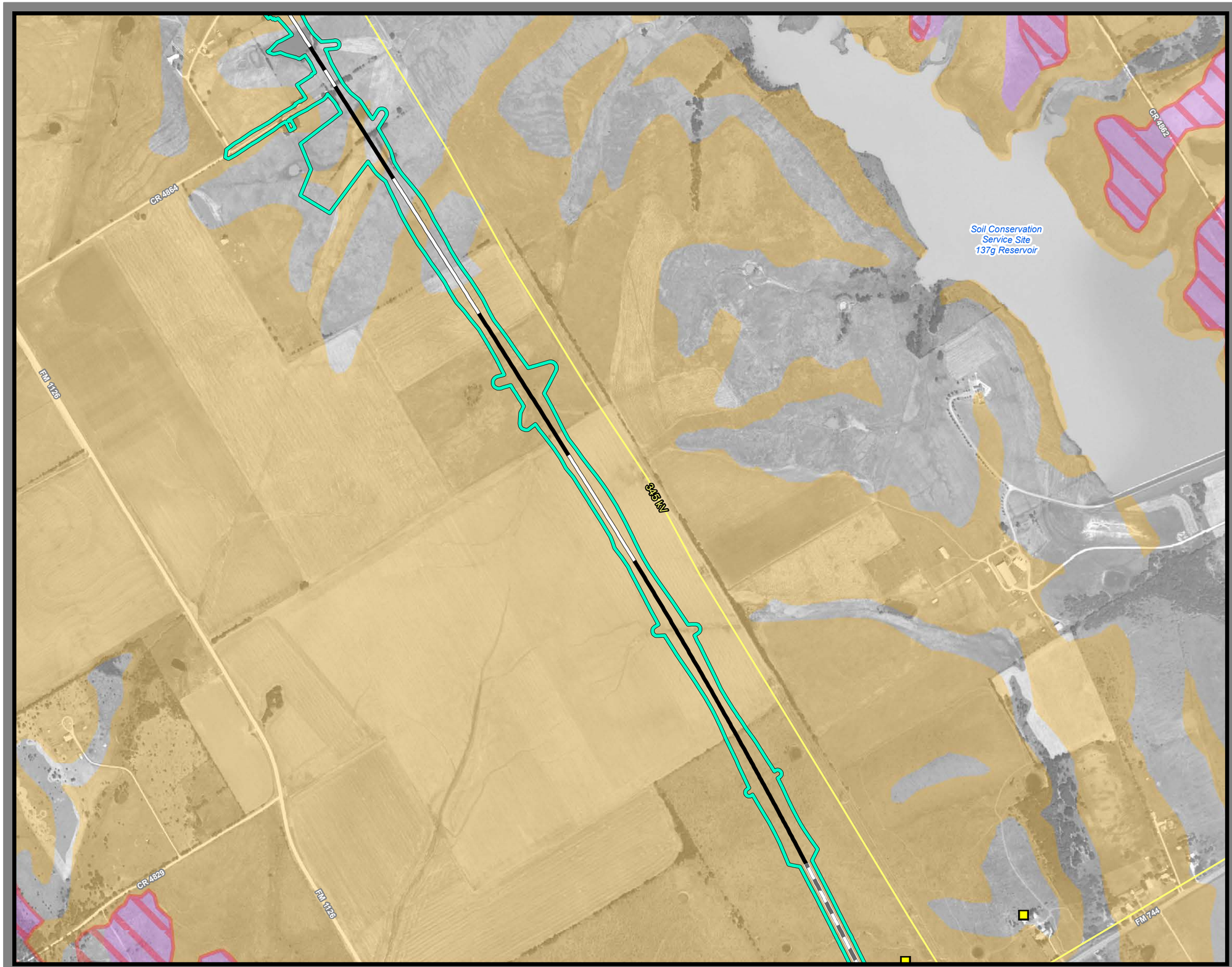
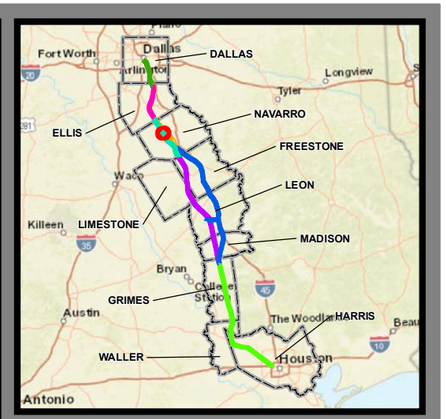
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 50 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

This Sheet only depicts Segment 3A; Segment 3C is also located in this same area and can be referenced on Sheet 88.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

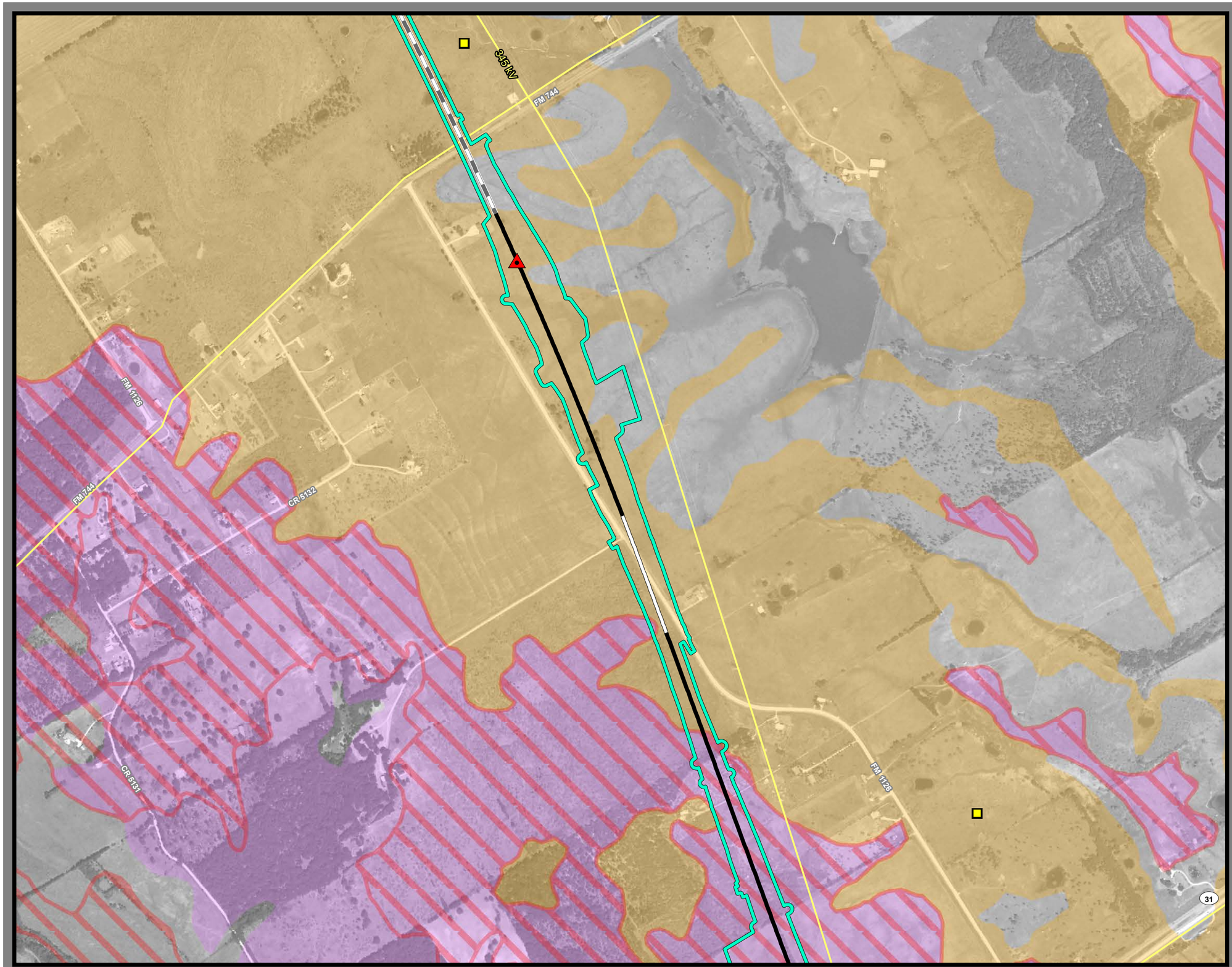
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

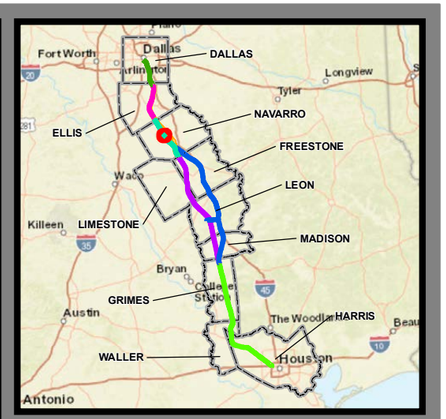
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 51 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
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- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3A; Segment 3C is also located in this same area and can be referenced on Sheet 89.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

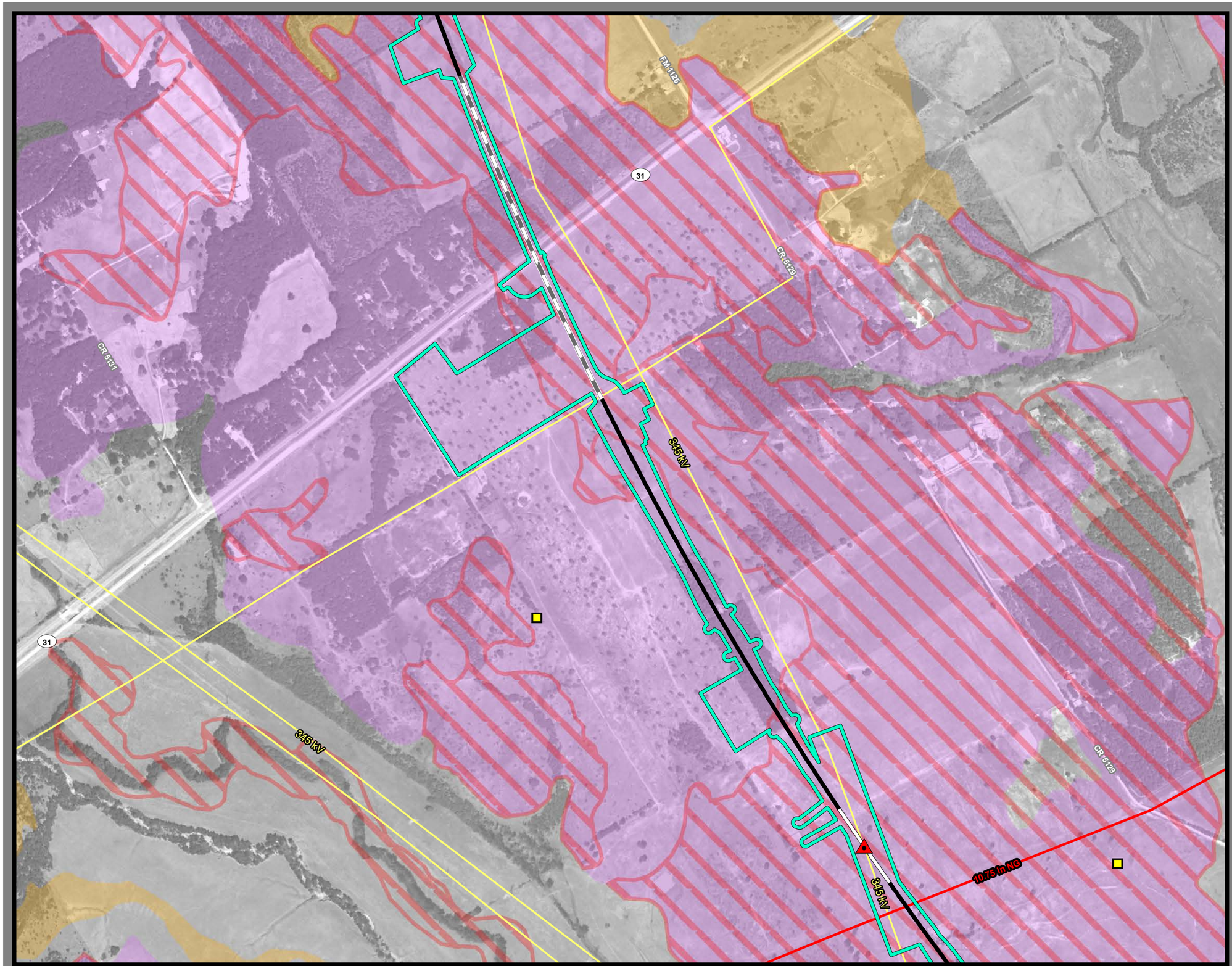
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

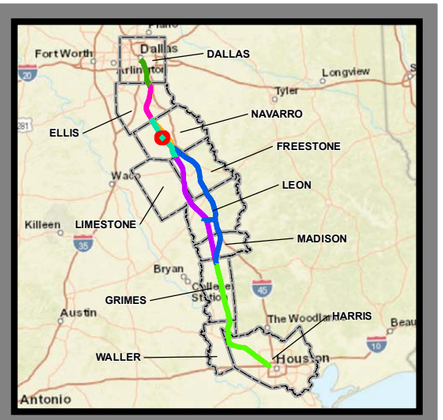
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 52 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut

- County Boundary
- Railroad
- Faults

Utilities
- Mine
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Oil/Gas Wells
- Vertical
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Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
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- Prime Farmland if Drained

*****This Sheet only depicts Segment 3A; Segment 3C is also located in this same area and can be referenced on Sheet 90.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

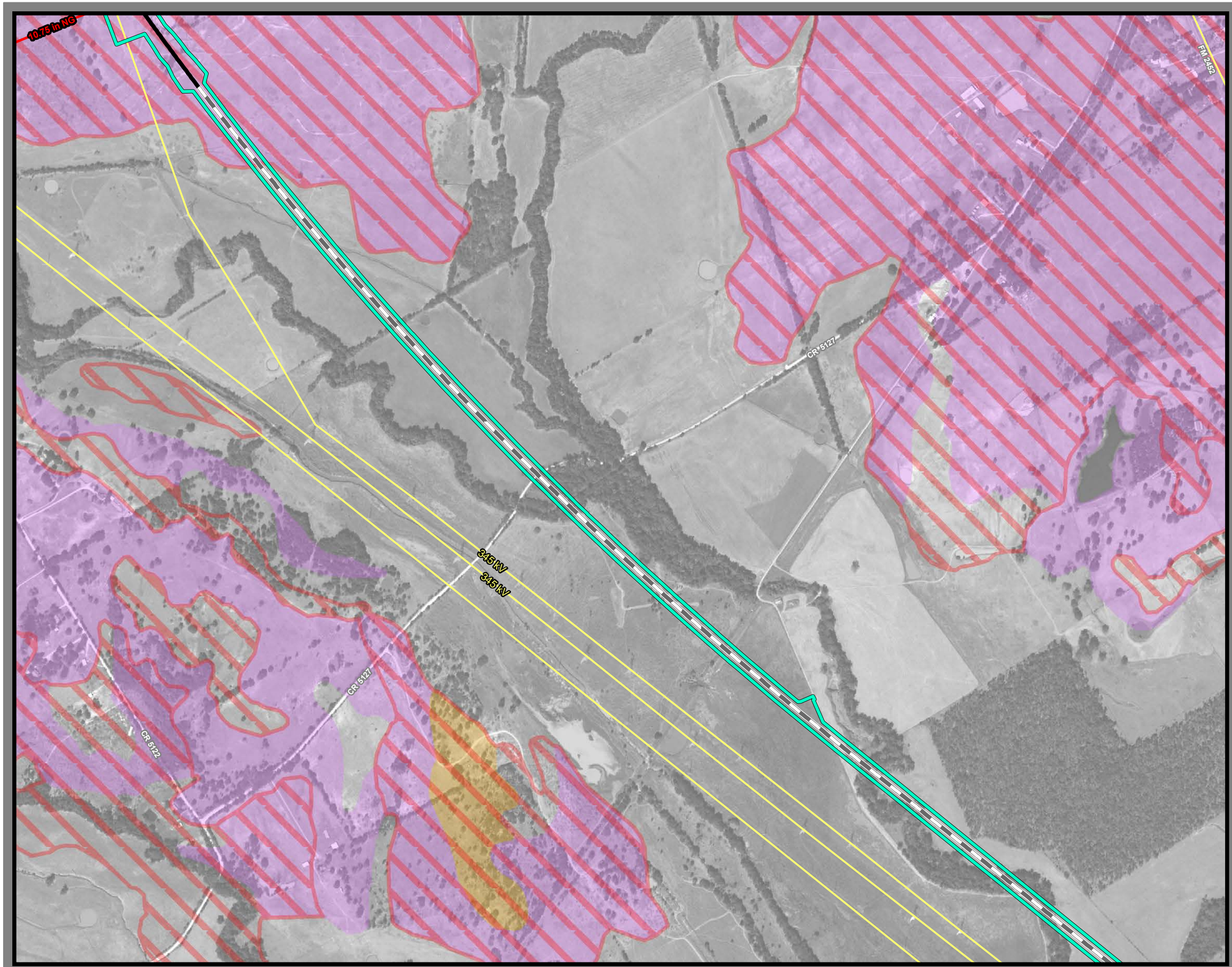
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

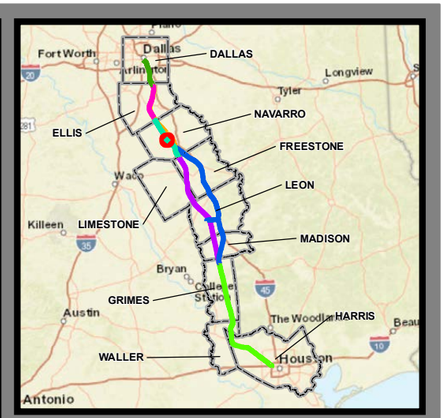
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 53 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
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Utilities
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Oil/Gas Wells
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Oil/Gas Pipelines
- Active
- Abandoned

Soils
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- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3A; Segment 3C is also located in this same area and can be referenced on Sheet 91.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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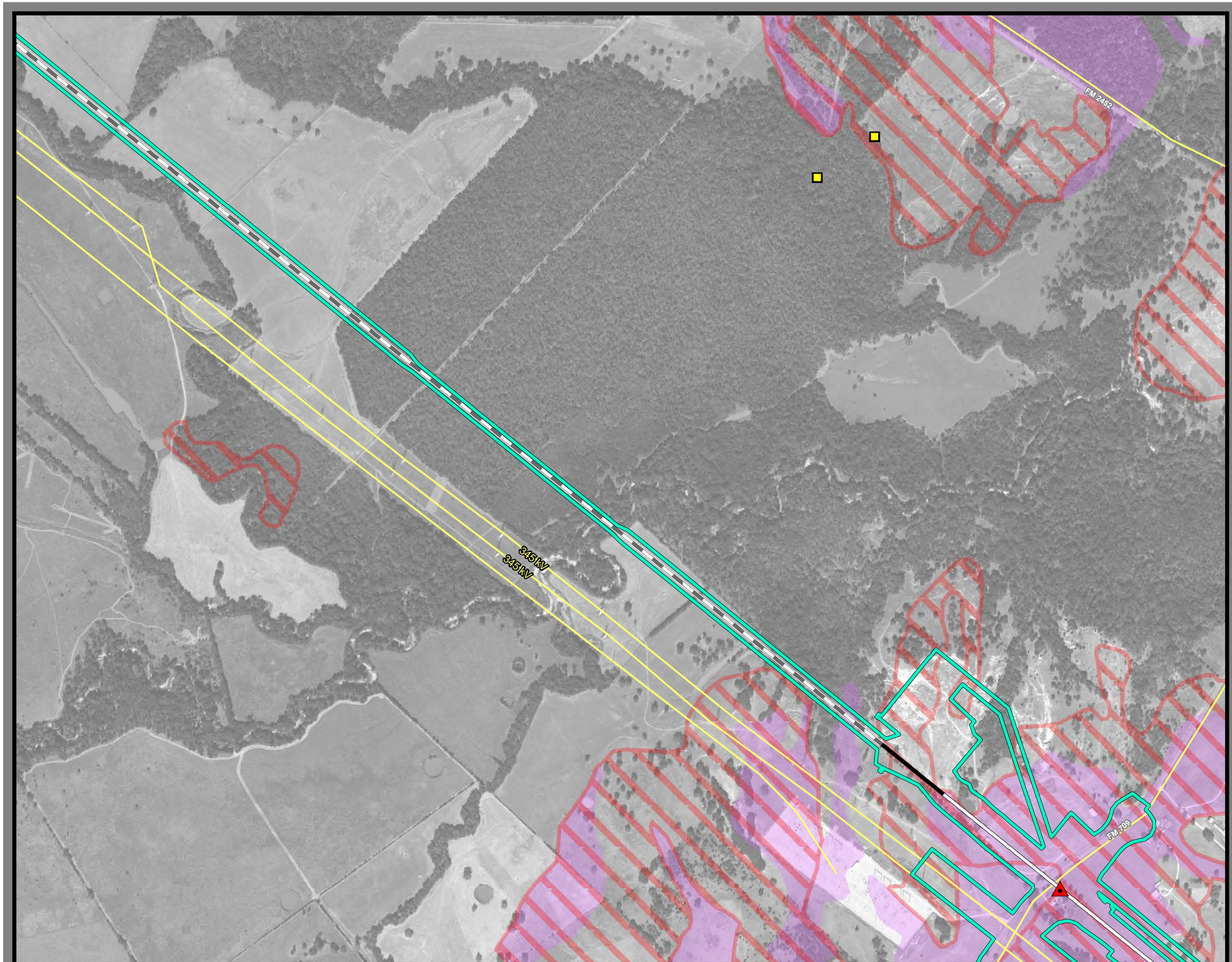
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

0 200 400 800 Feet

N W E S



Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 54 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3A; Segment 3C is also located in this same area and can be referenced on Sheet 92.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

0 200 400 800 Feet

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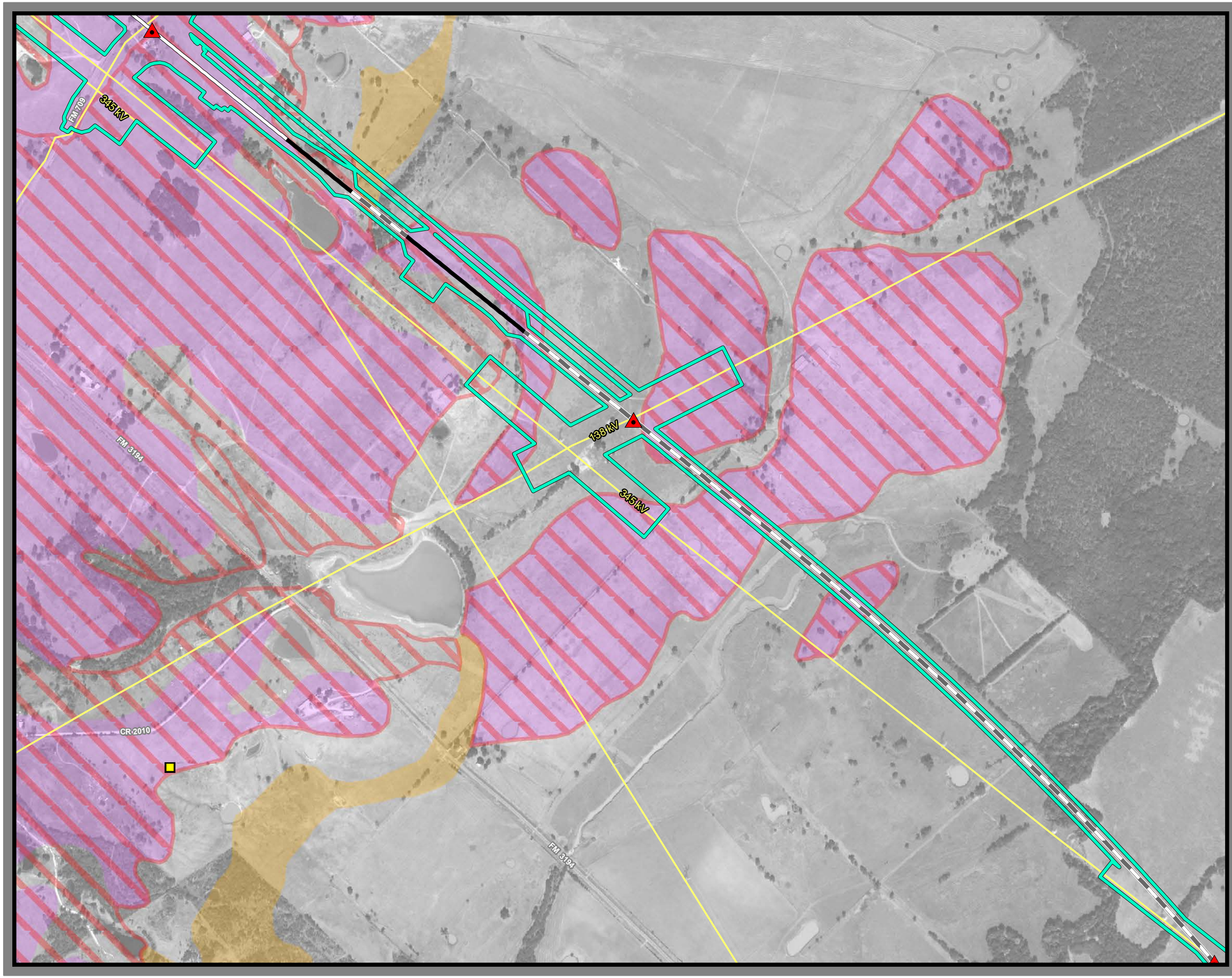

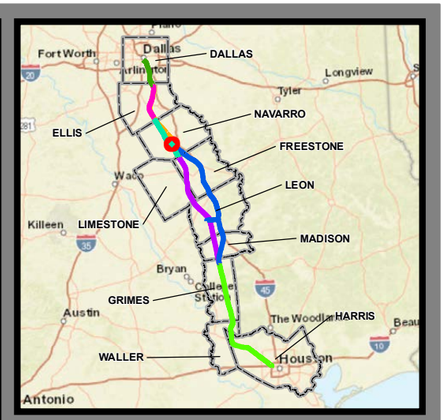

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 55 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3A; Segment 3C is also located in this same area and can be referenced on Sheet 93.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

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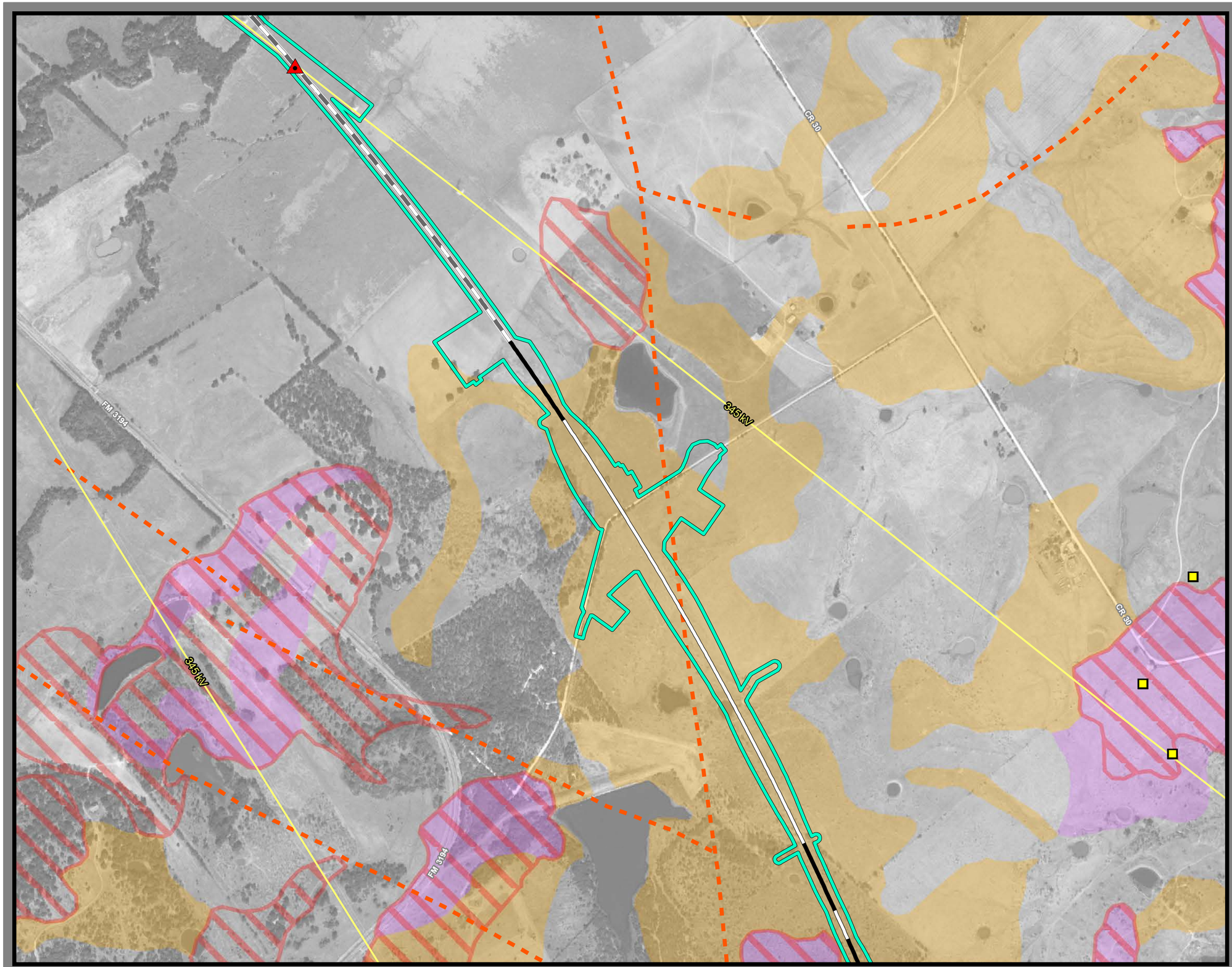

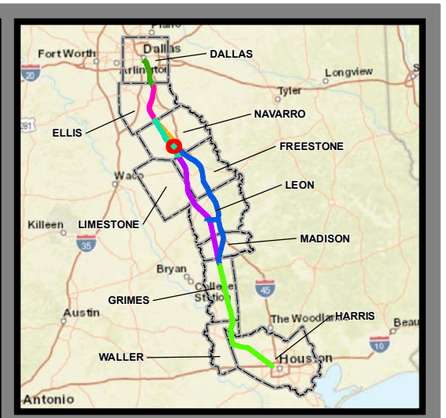

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 56 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3A; Segments 3B and 3C are also located in this same area and can be referenced on Sheets 75 and 94.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

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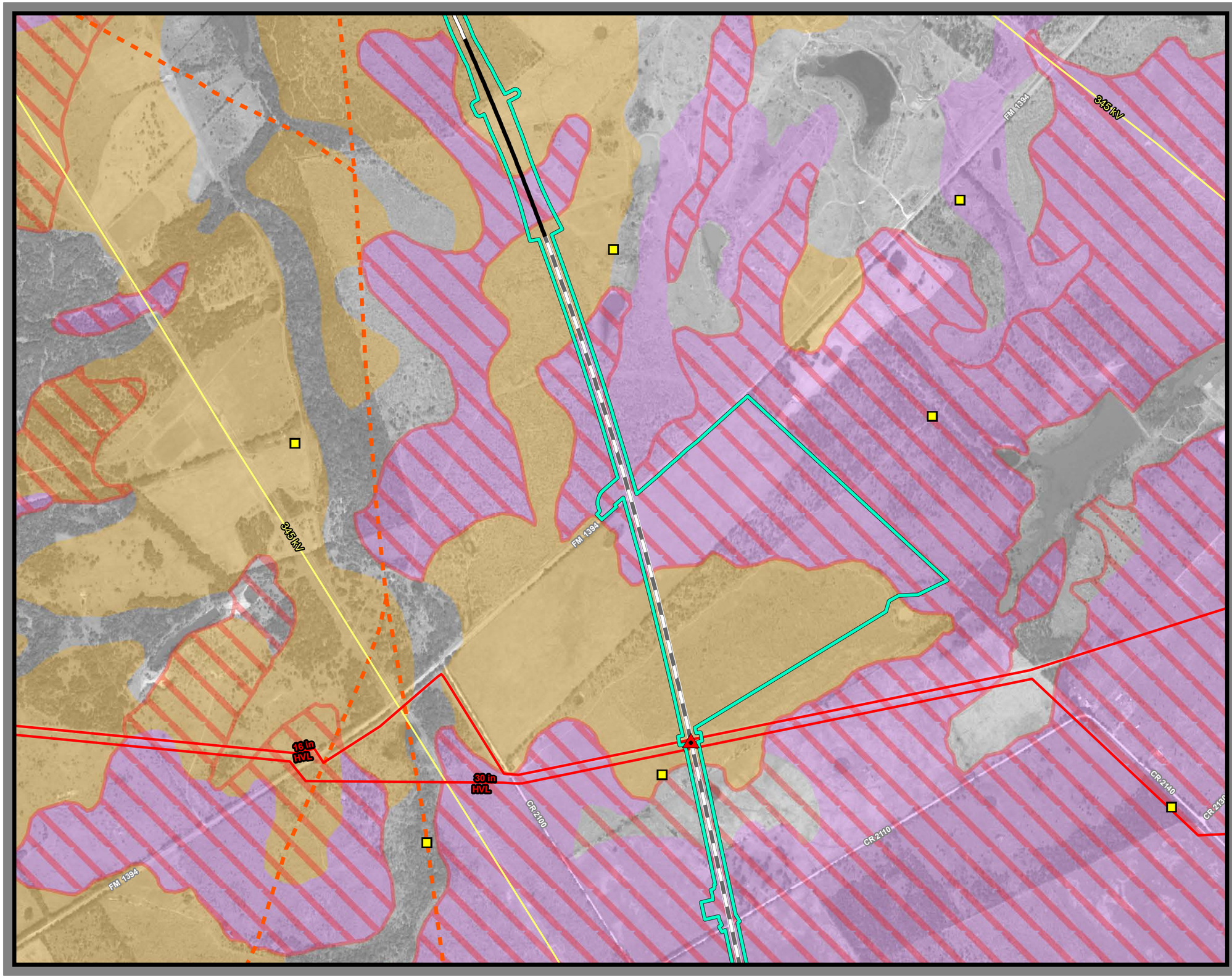

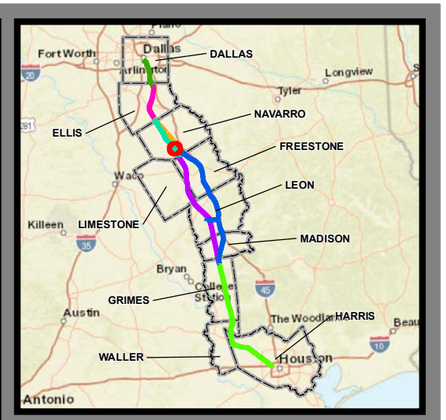

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 57 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3A; Segment 3B is also located in this same area and can be referenced on Sheet 76.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

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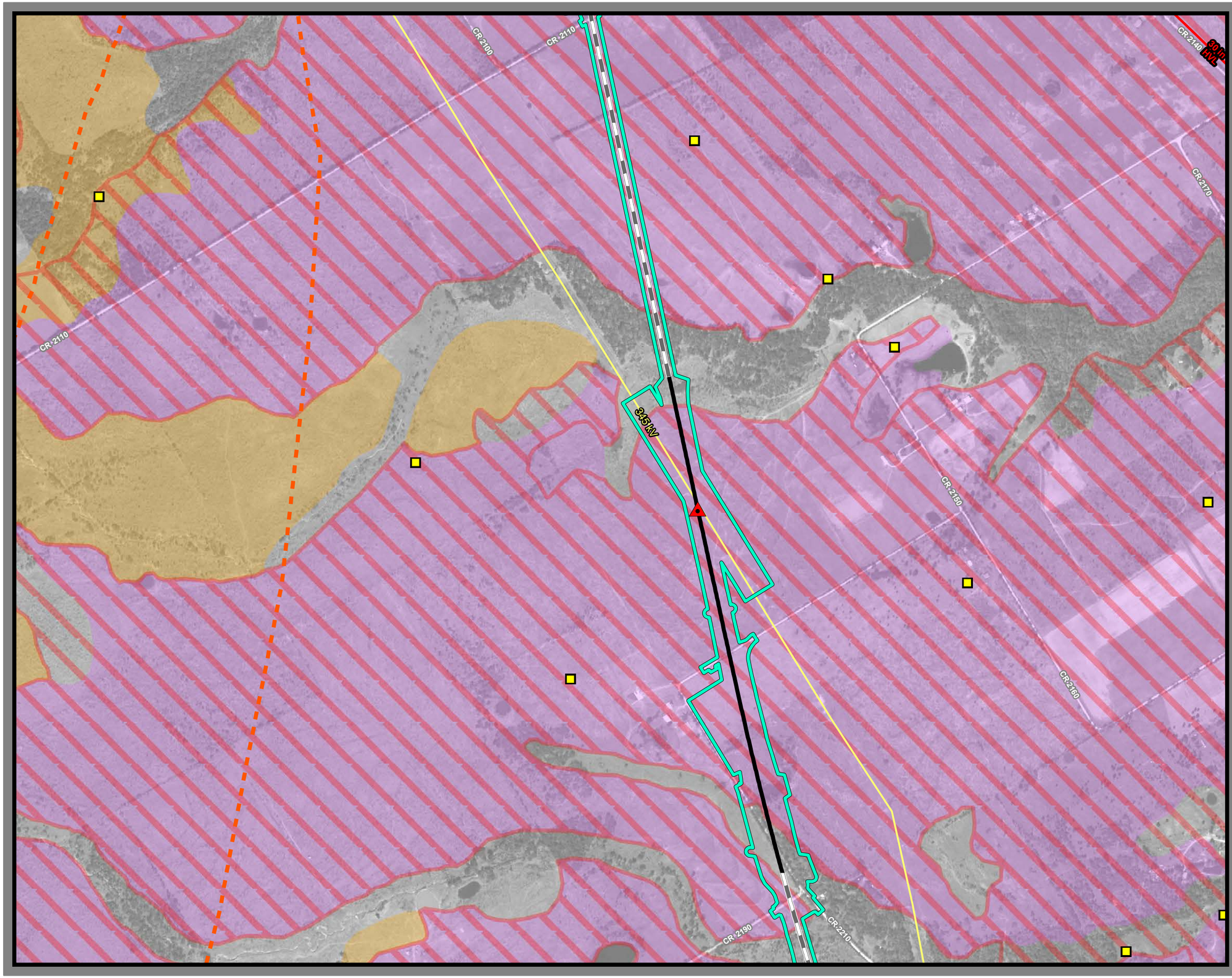
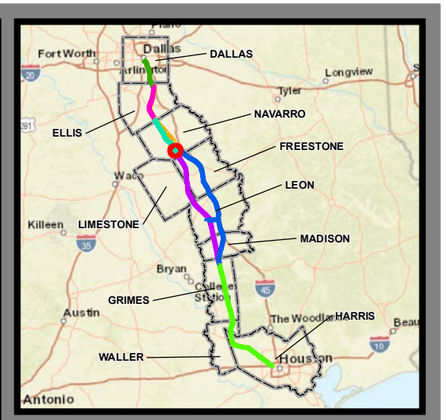




Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 58 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

This Sheet only depicts Segment 3A; Segment 3B is also located in this same area and can be referenced on Sheet 77.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

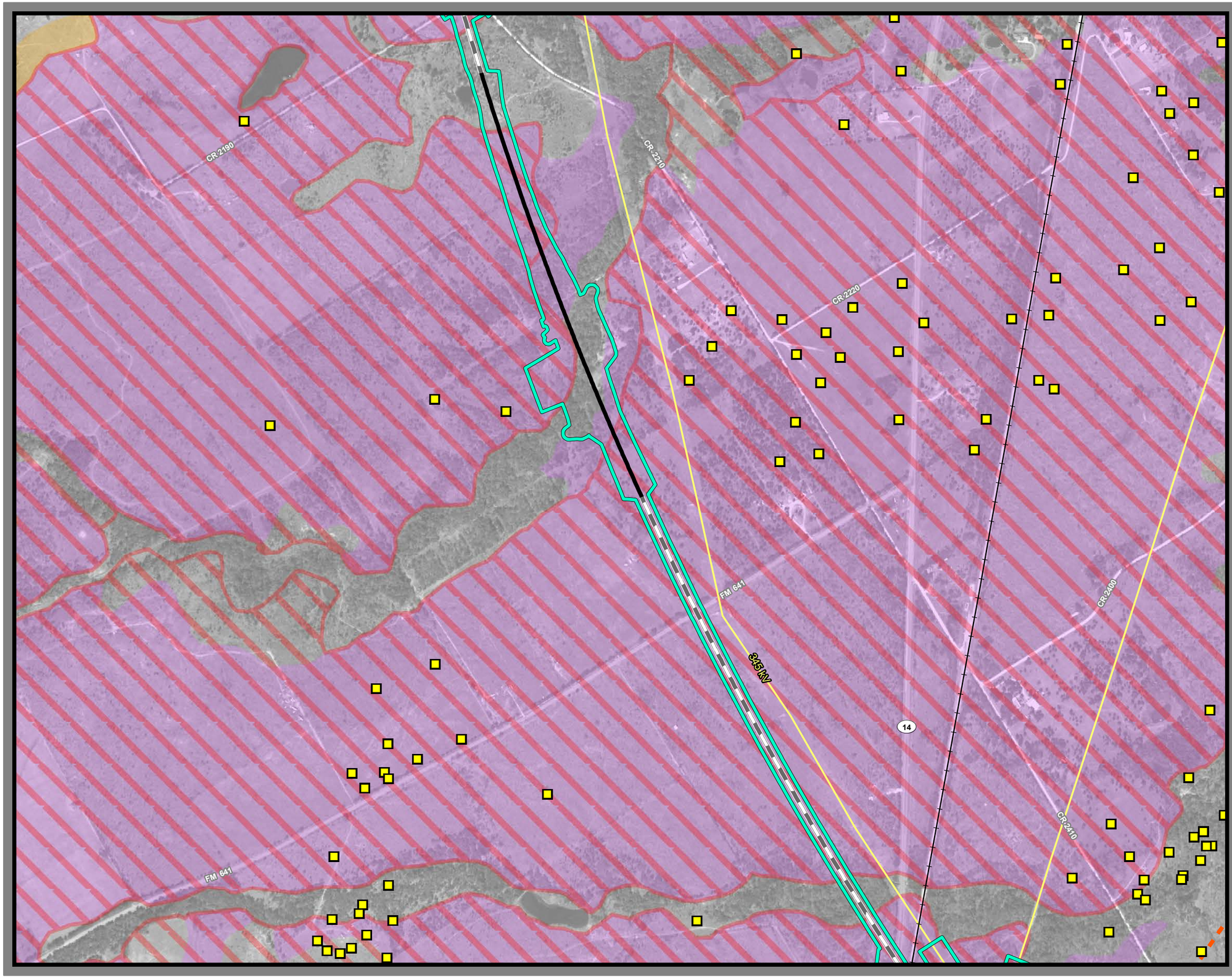
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

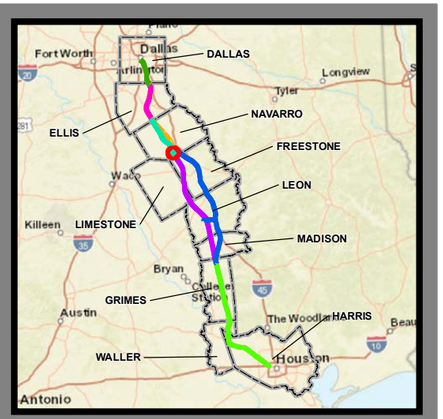
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 59 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3A; Segment 3B is also located in this same area and can be referenced on Sheet 78.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

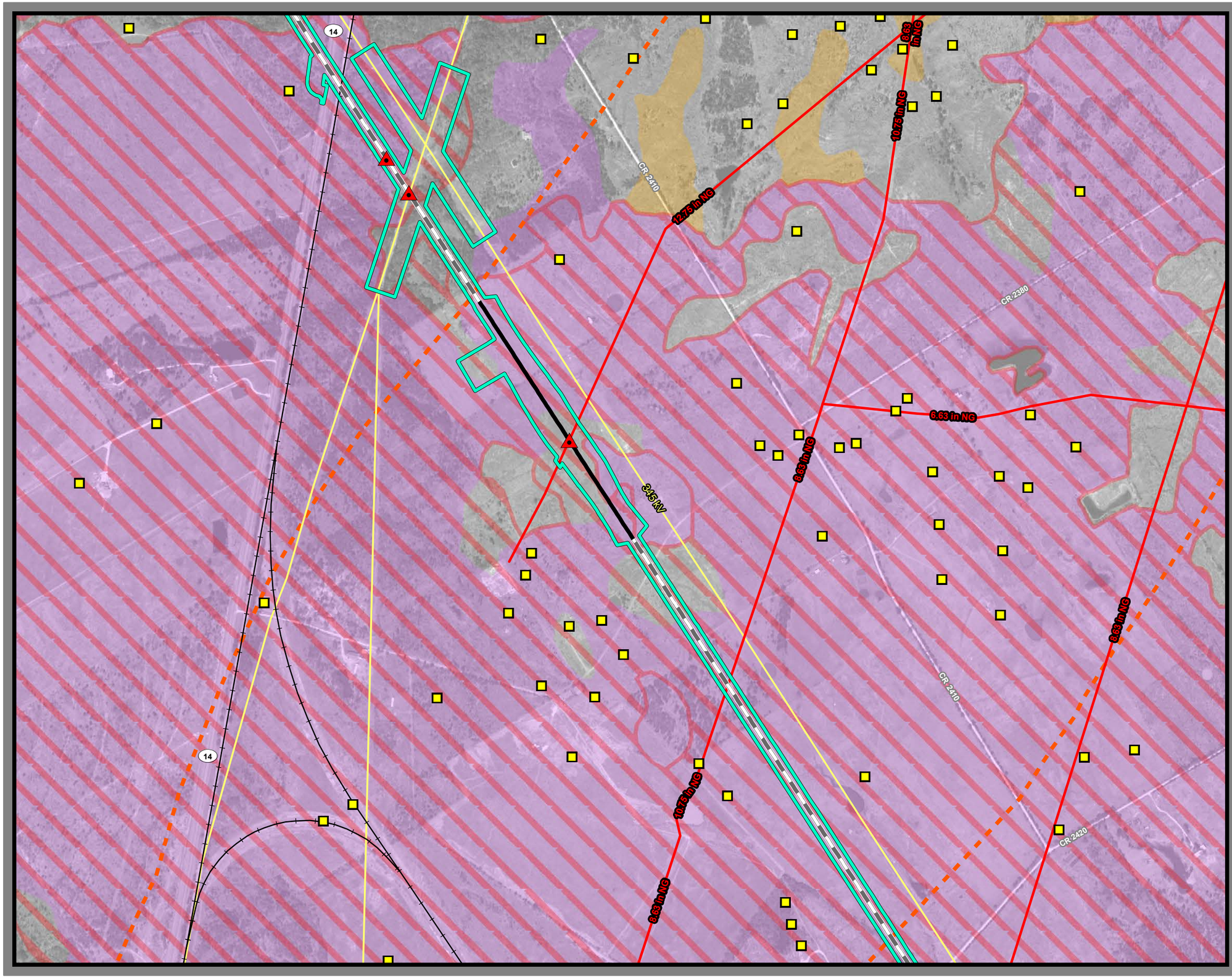
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

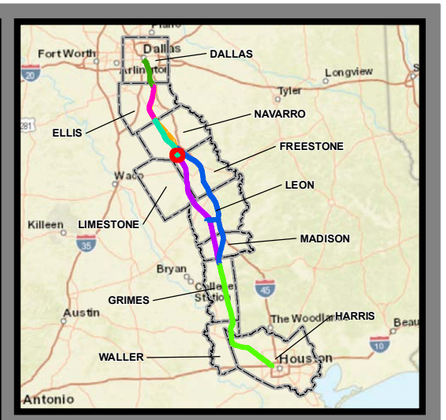
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 60 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3A; Segment 3B is also located in this same area and can be referenced on Sheet 79.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

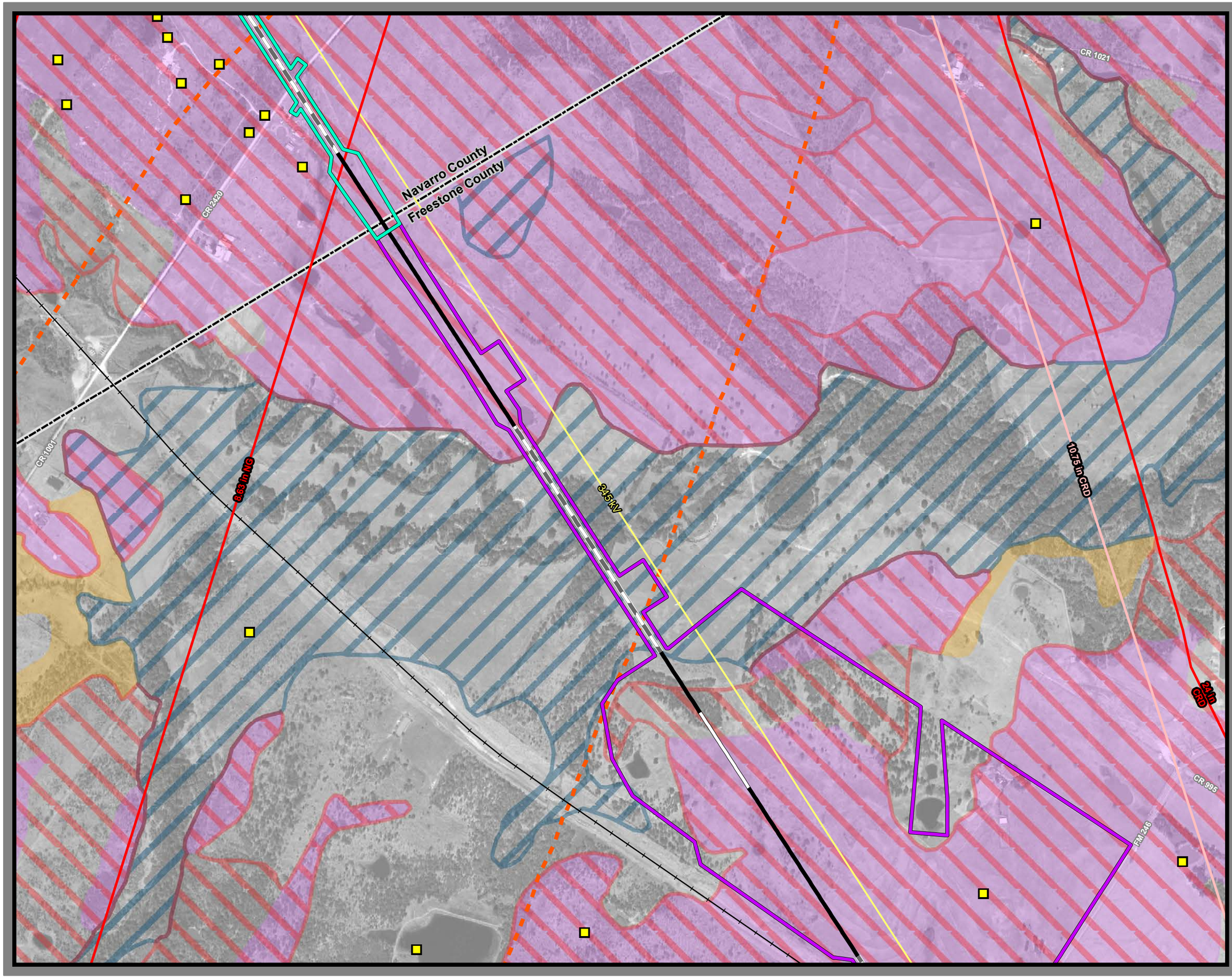
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

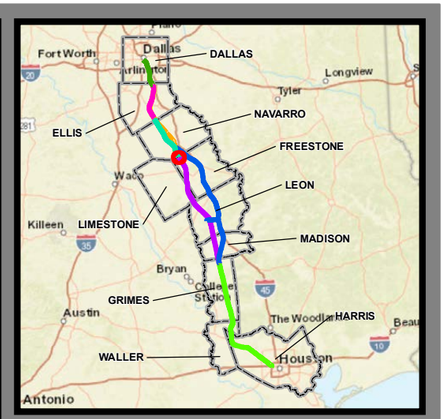
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A, 4
Sheet 61 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

This Sheet only depicts Segments 3A & 4; Segment 3B is also located in this same area and can be referenced on Sheet 80.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

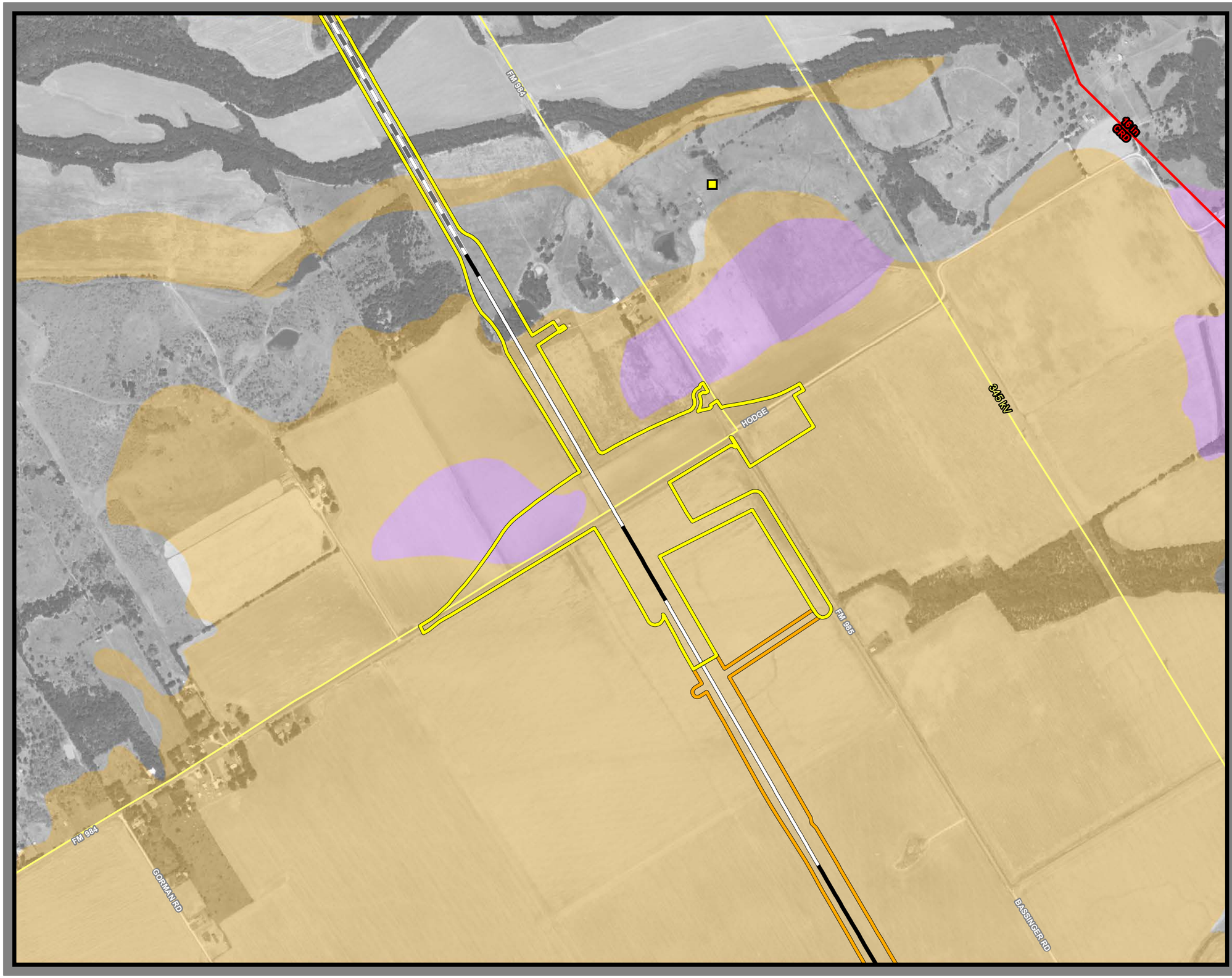
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

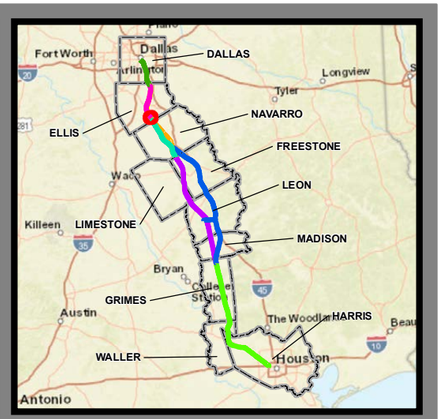
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B, 3B
Sheet 62 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segments 2B & 3B; Segments 2A, 3A & 3C are also located in this same area and can be referenced on Sheets 27, 43 & 81.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

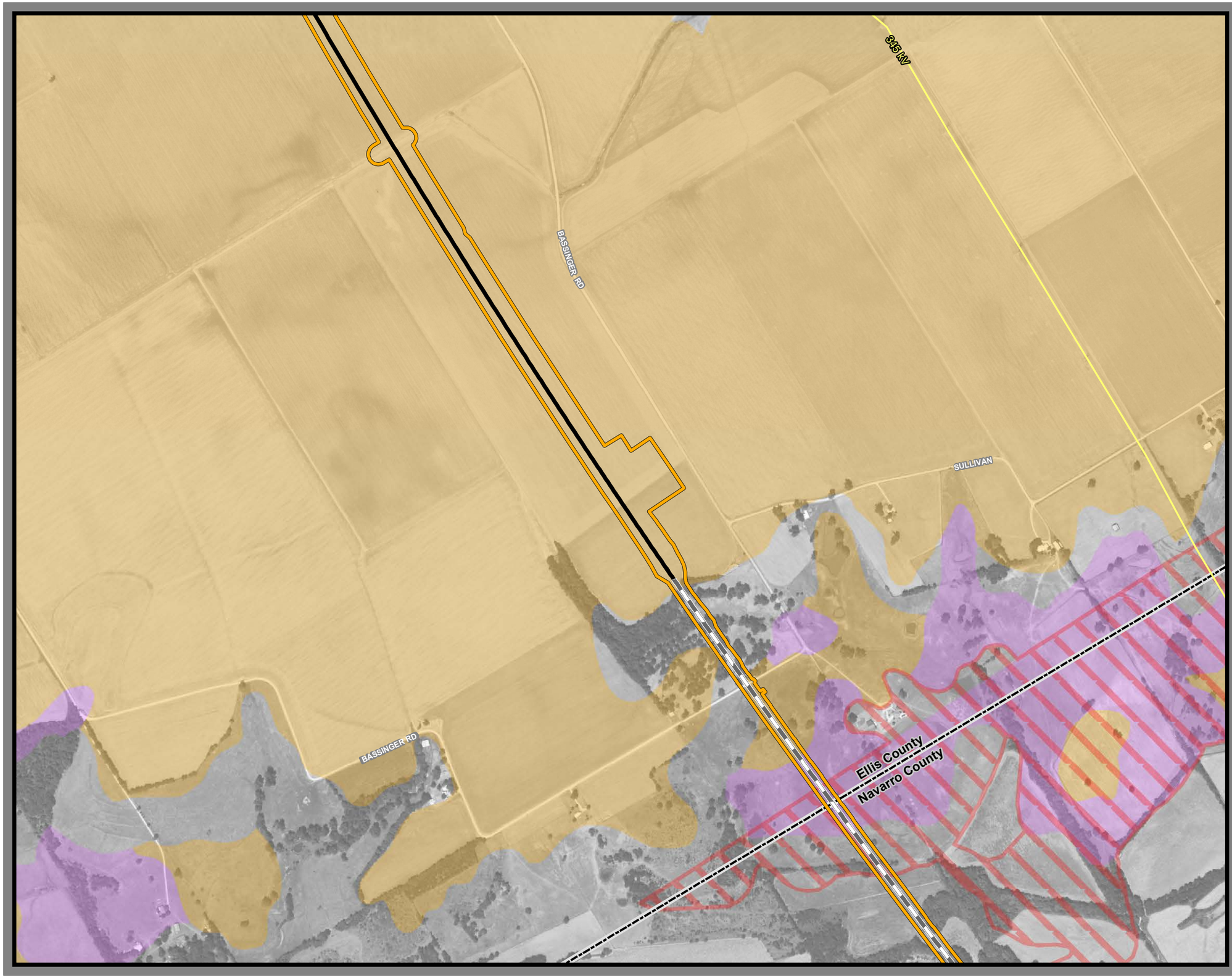
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

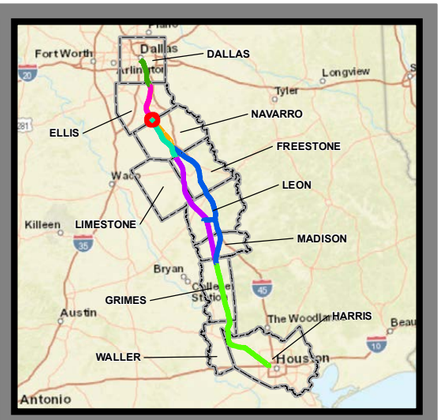
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
Sheet 63 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

This Sheet only depicts Segment 3B; Segments 3A & 3C are also located in this same area and can be referenced on Sheets 44 & 82.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

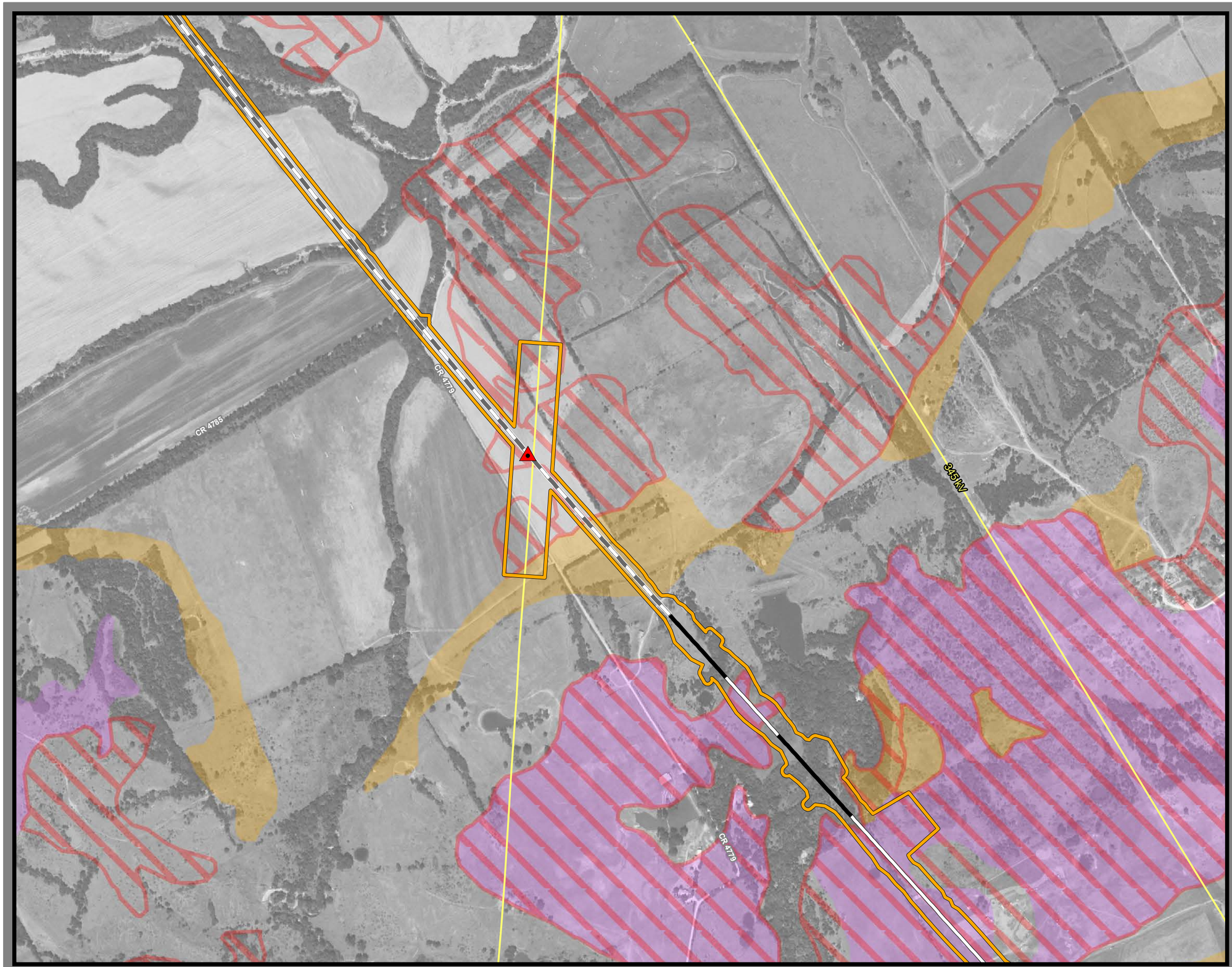
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

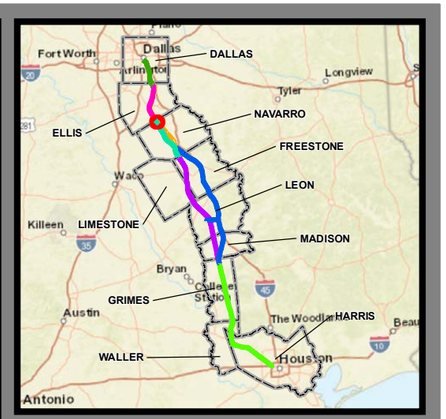
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
Sheet 64 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3B; Segments 3A & 3C are also located in this same area and can be referenced on Sheets 45 & 83.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

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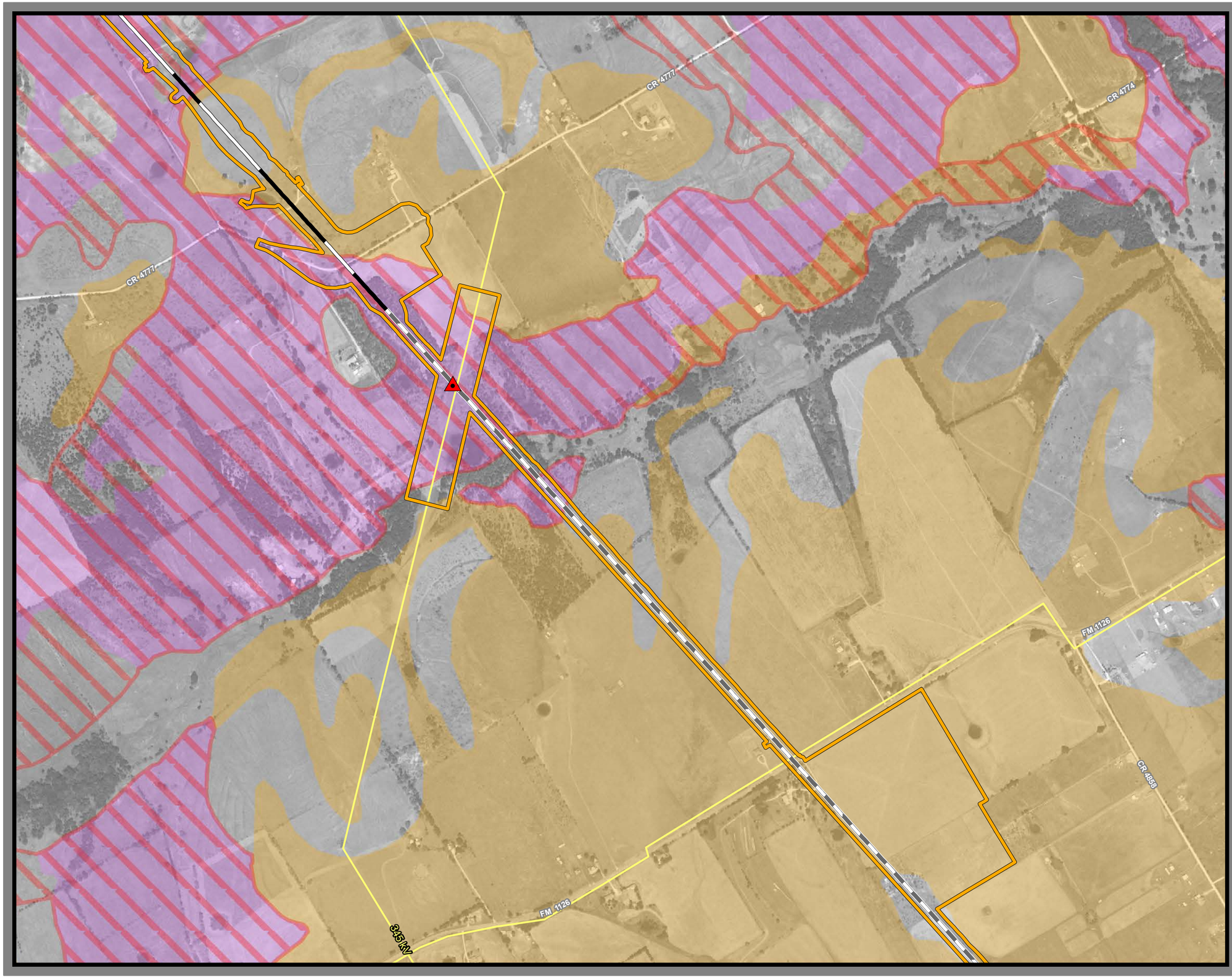

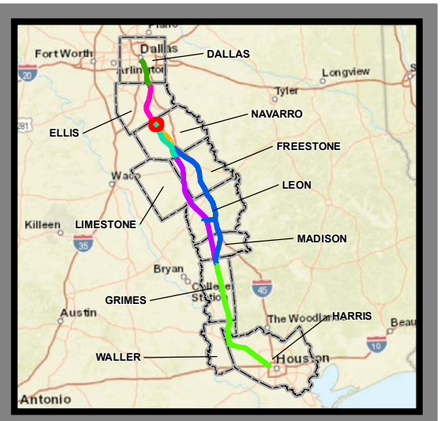

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
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Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
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- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

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Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

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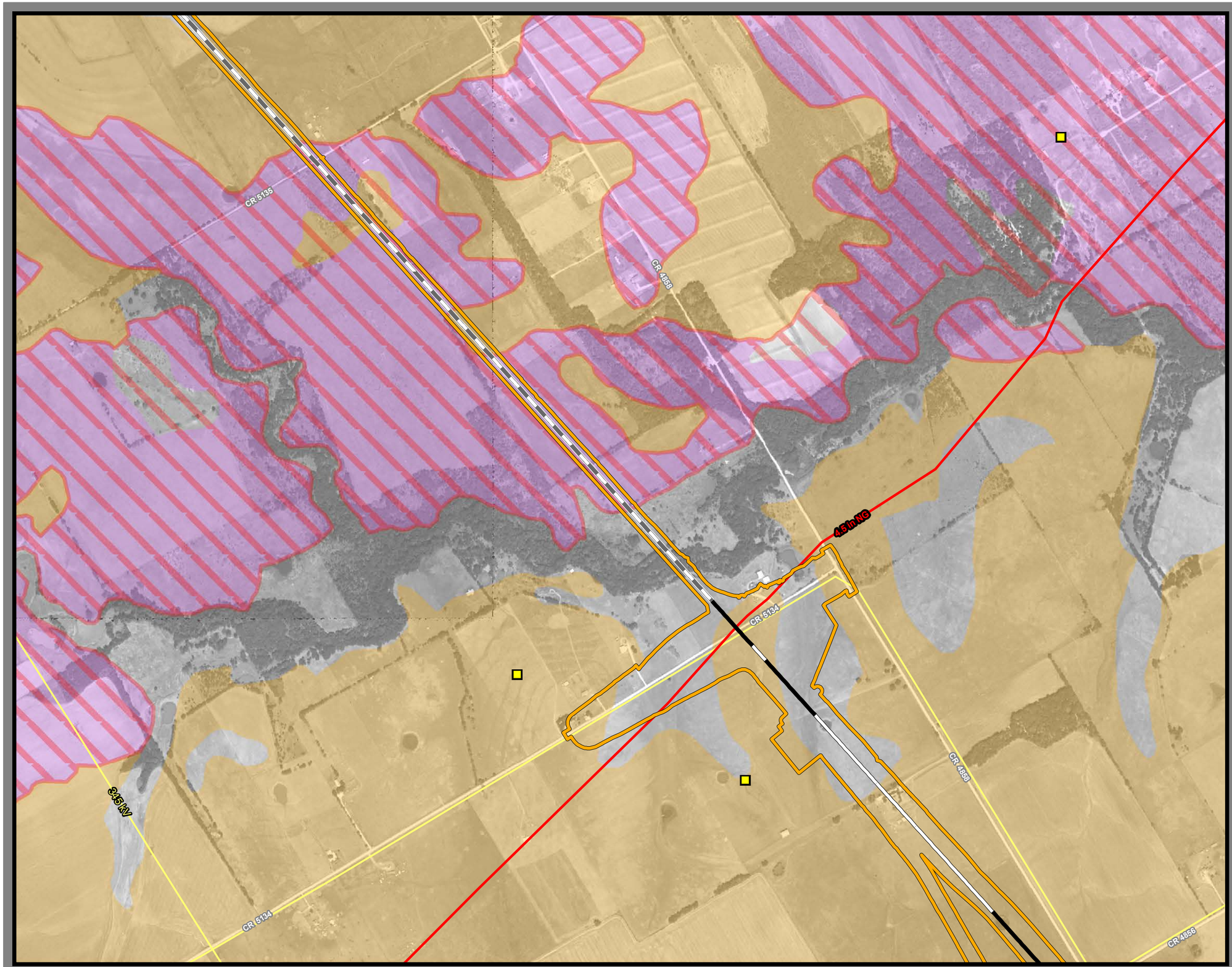

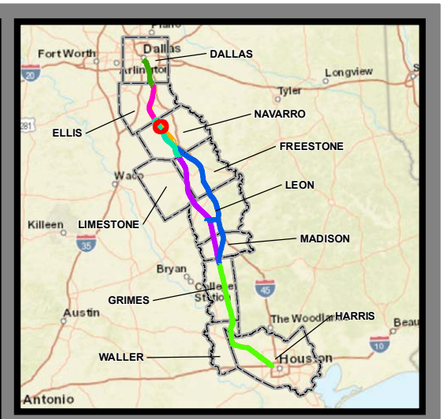

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
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Legend

Limits of Disturbance
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- Segment 2A
- Segment 2B
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*****This Sheet only depicts Segment 3B; Segments 3A & 3C are also located in this same area and can be referenced on Sheets 47 & 85.*****

Abbreviated Pipeline Labels:
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Aerial Imagery: USDA NAIP 2016

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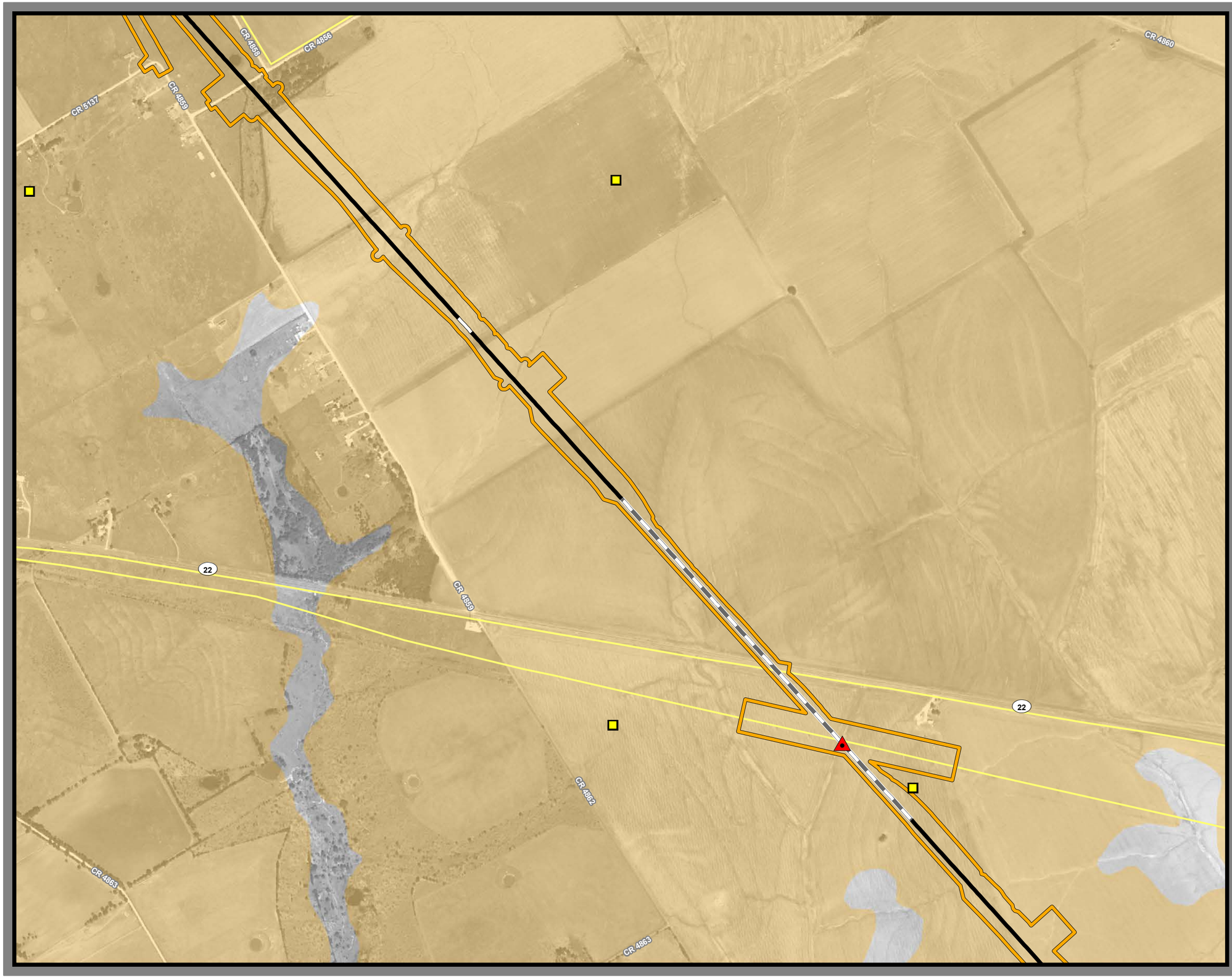

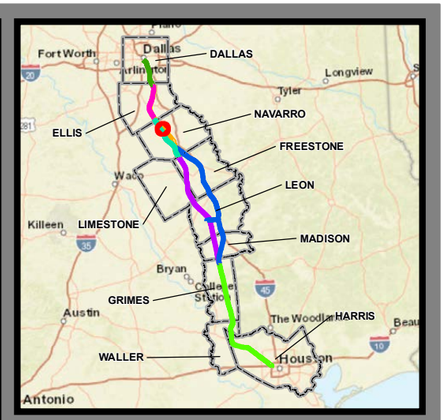

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
Sheet 67 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
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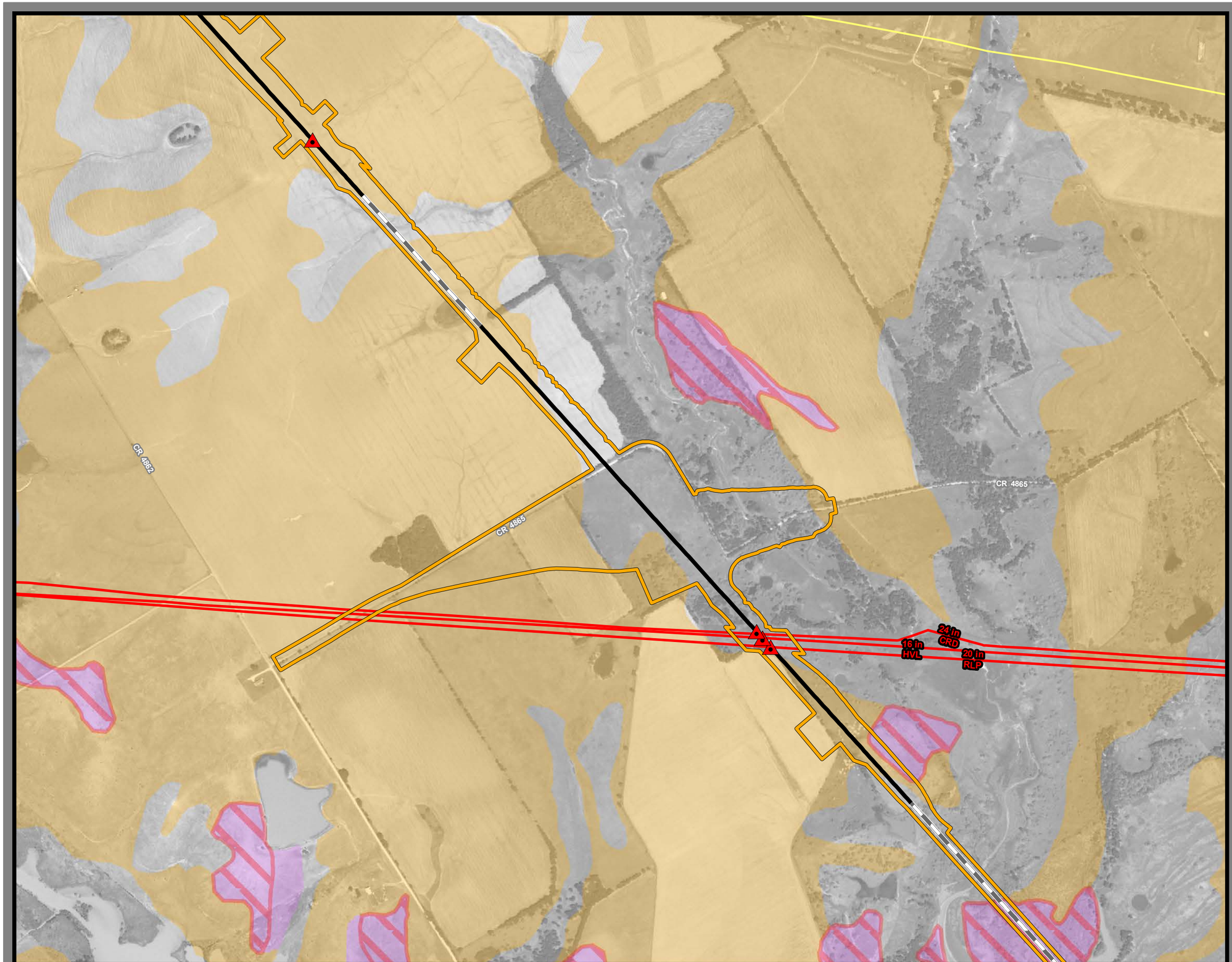

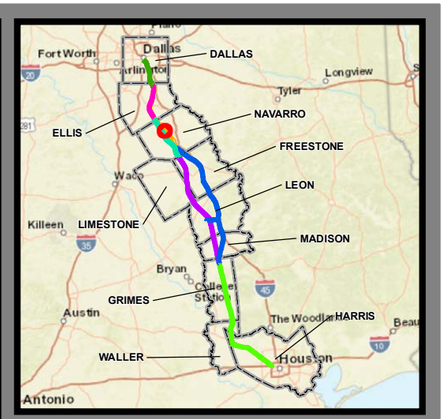

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
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Legend

Limits of Disturbance
- Segment 1
- Segment 2A
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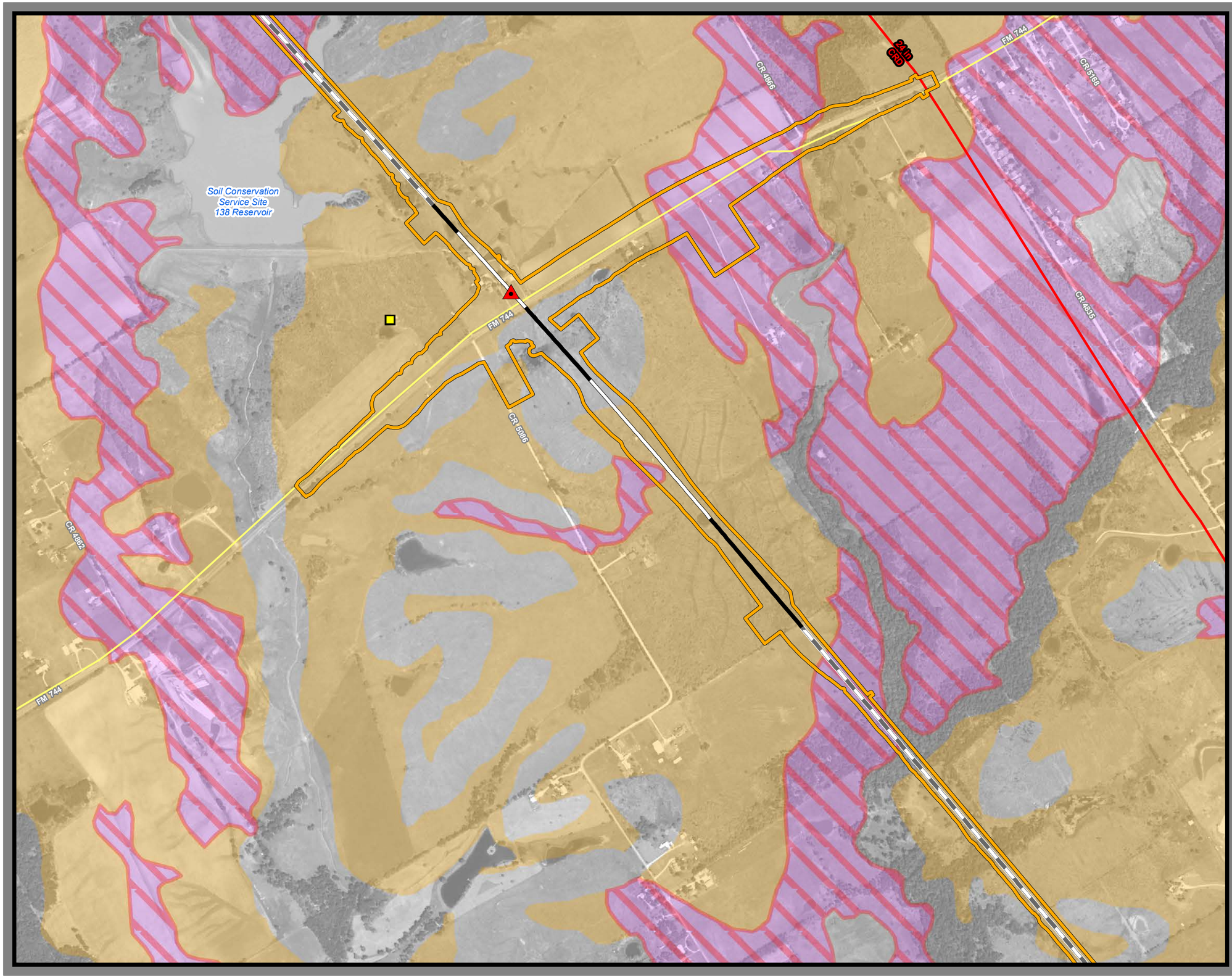

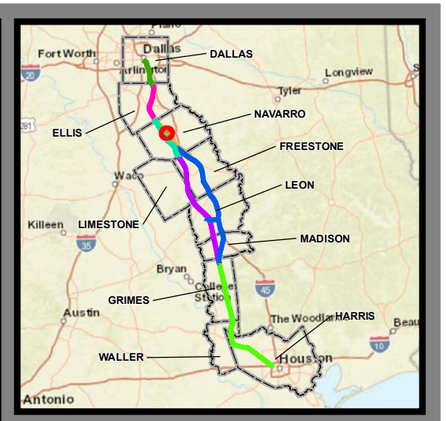

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
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Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
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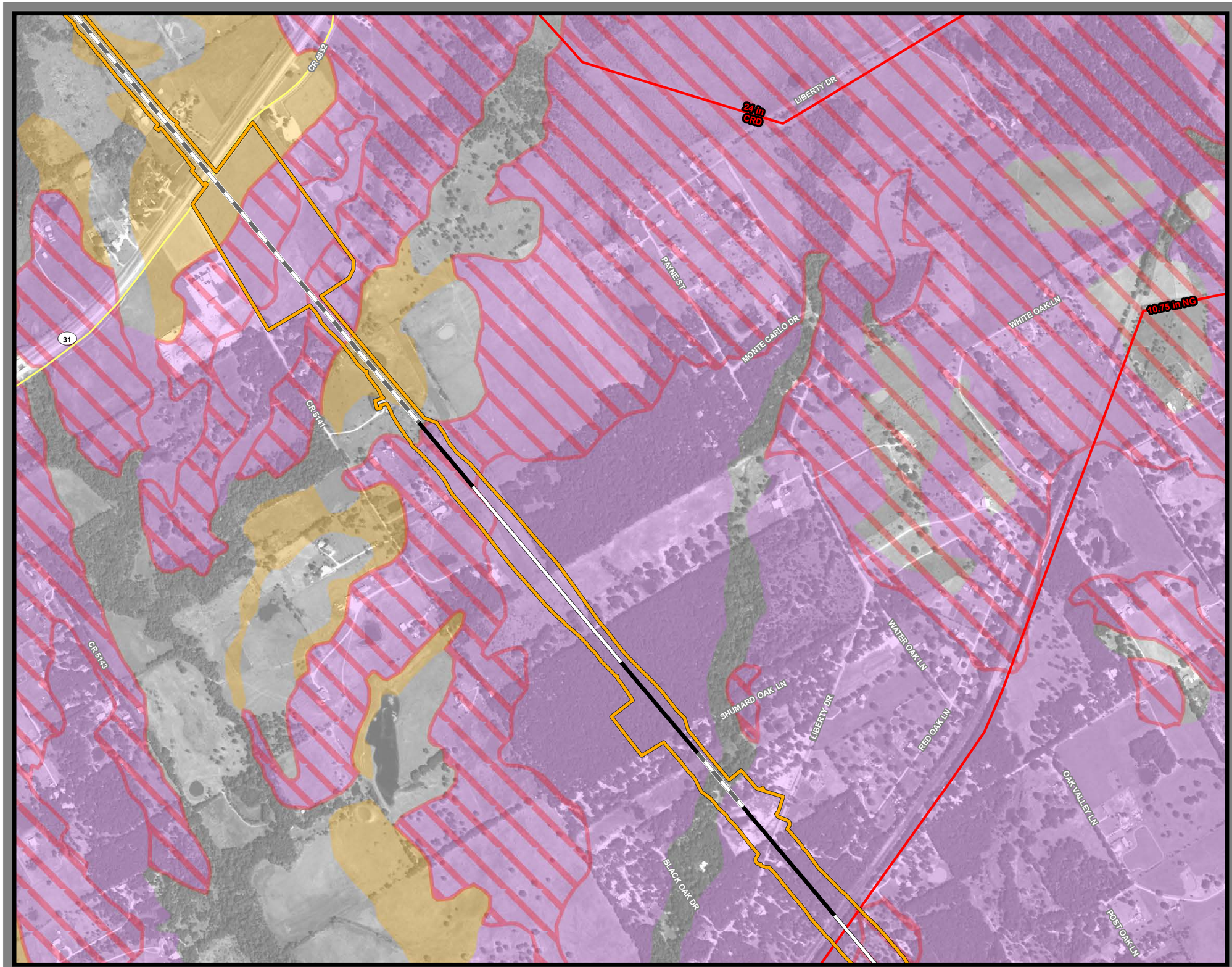

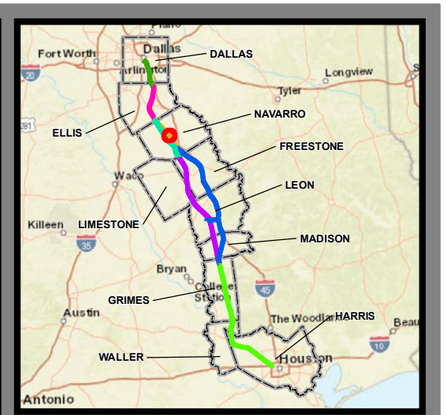

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
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Legend

Limits of Disturbance
- Segment 1
- Segment 2A
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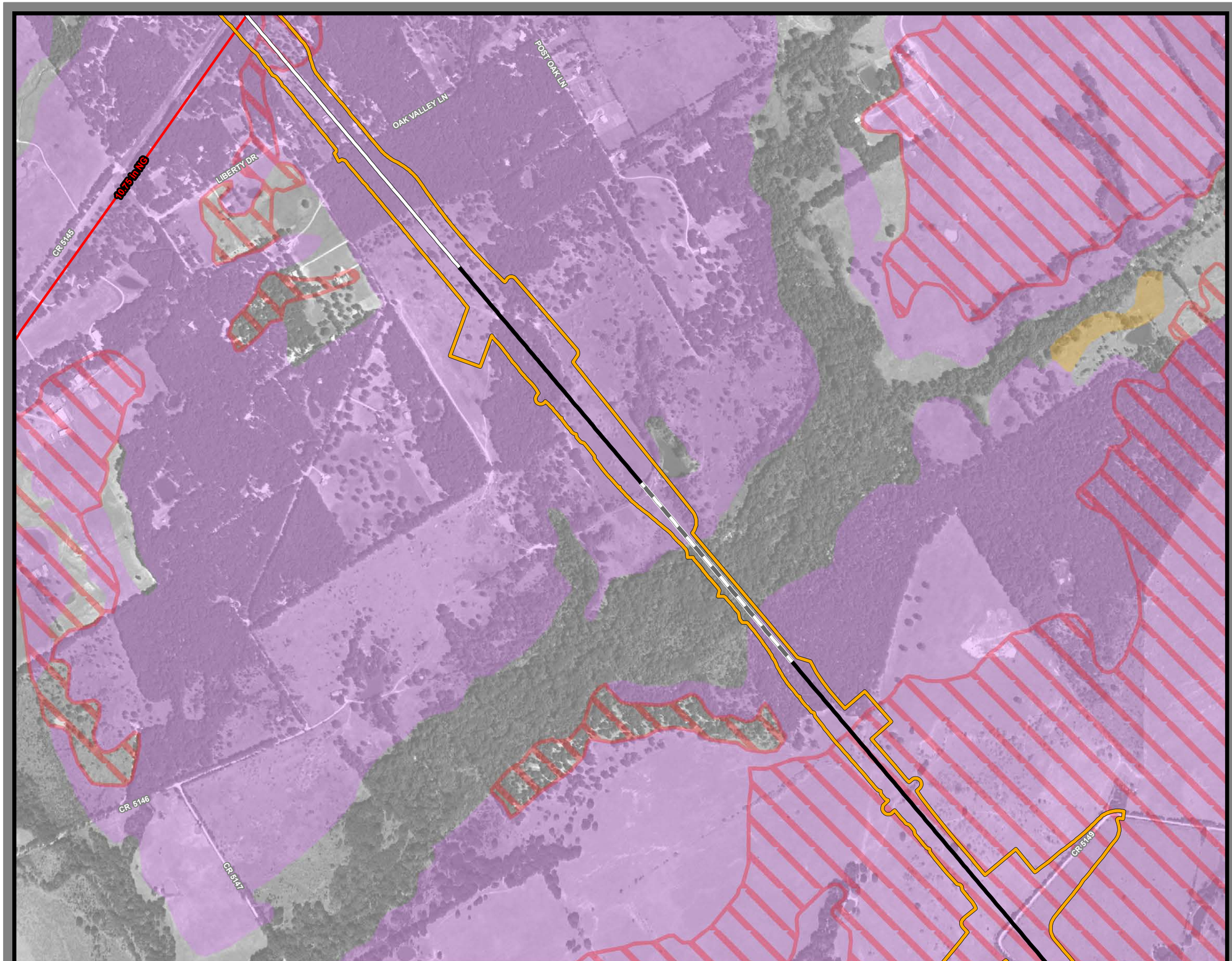

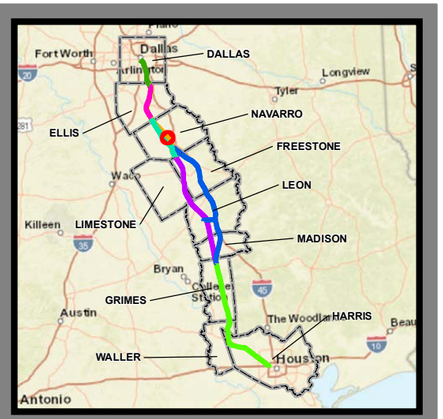

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
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Legend

Limits of Disturbance
- Segment 1
- Segment 2A
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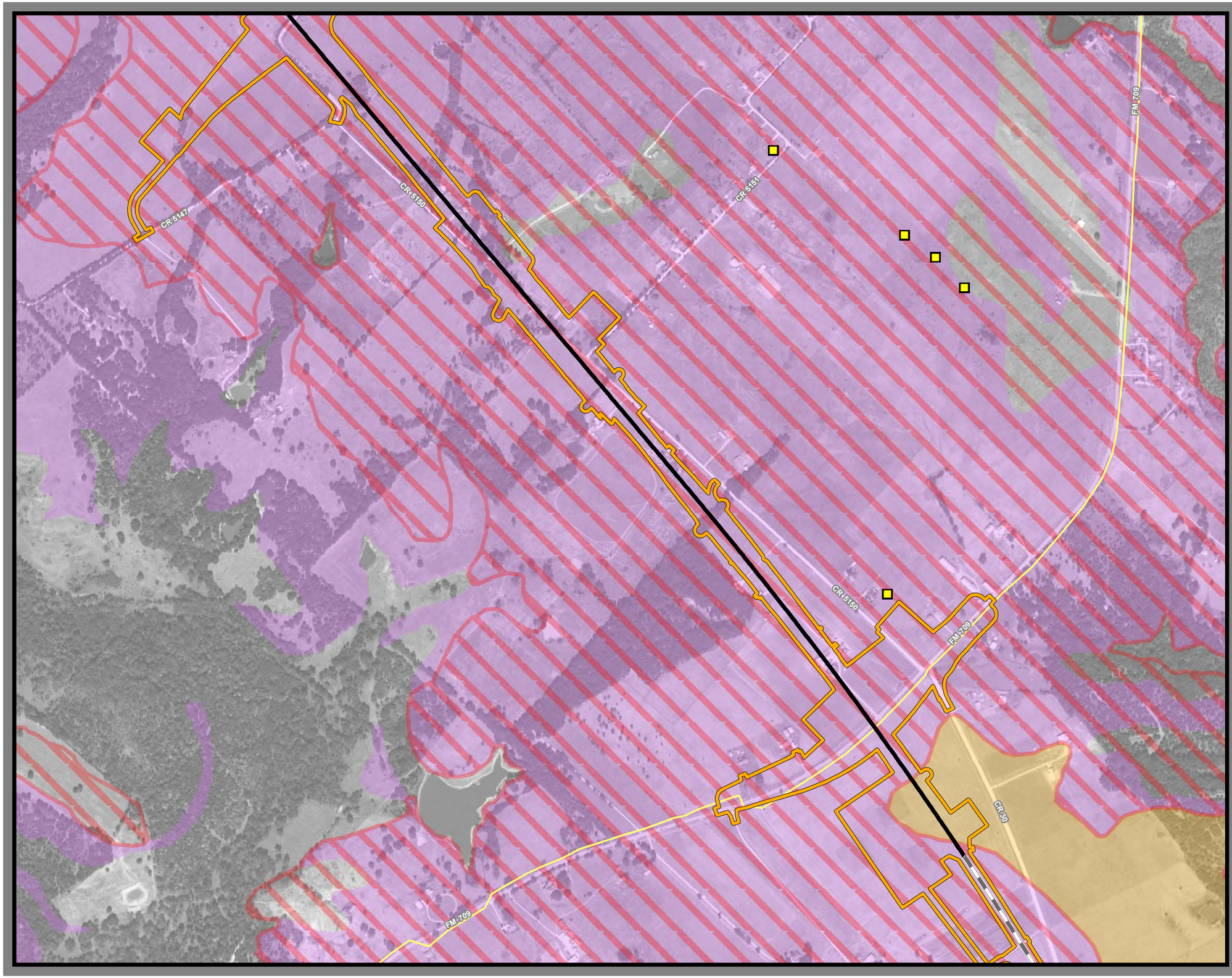

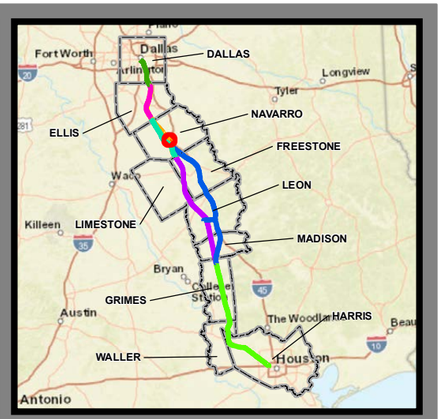

Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
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Legend

Limits of Disturbance
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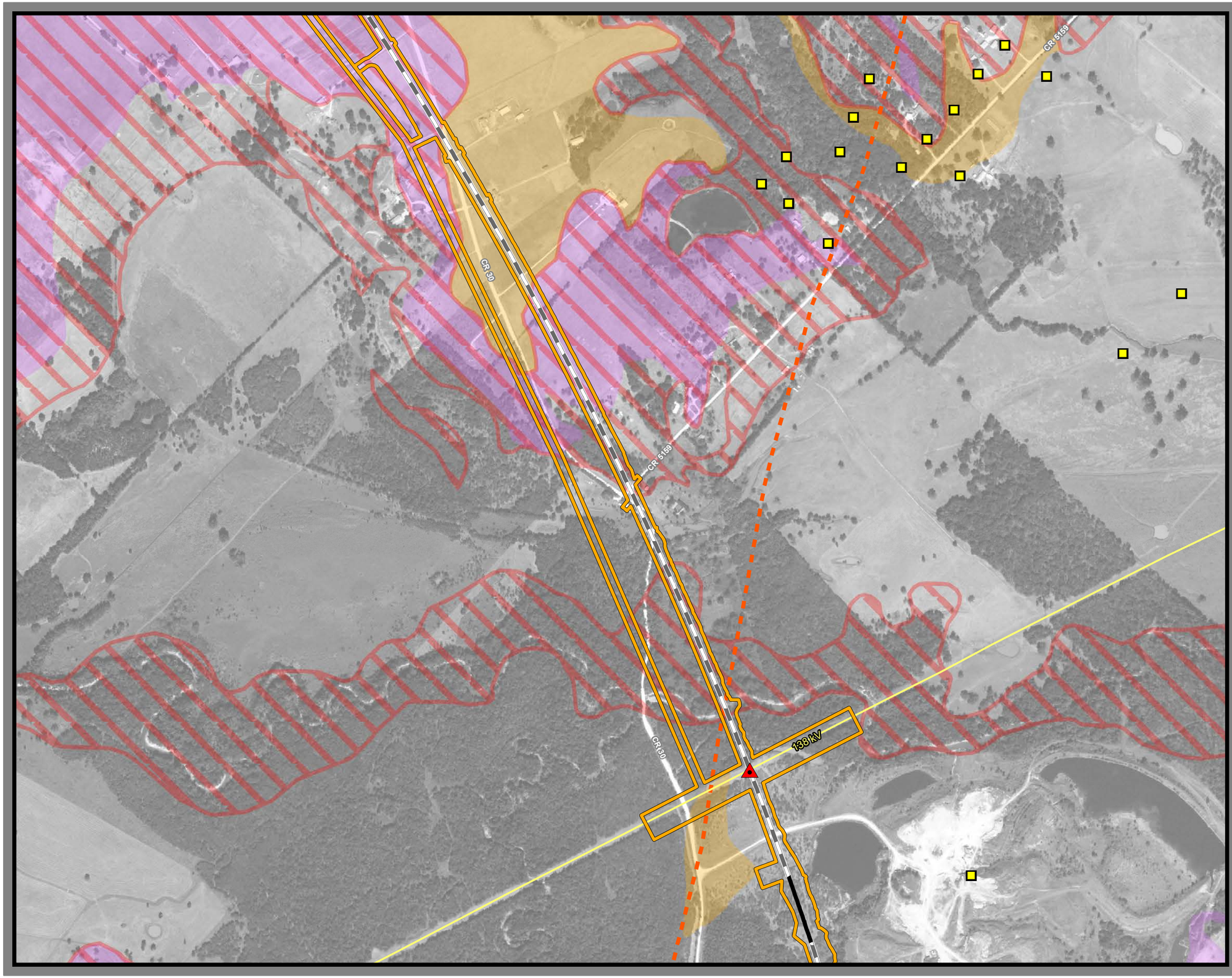

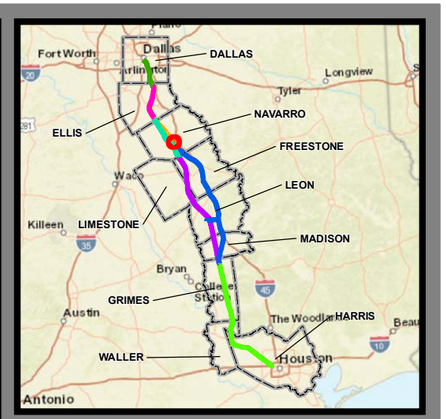

Dallas to Houston
High-Speed Rail Project
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Segment 3B
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Legend

Limits of Disturbance
- Segment 1
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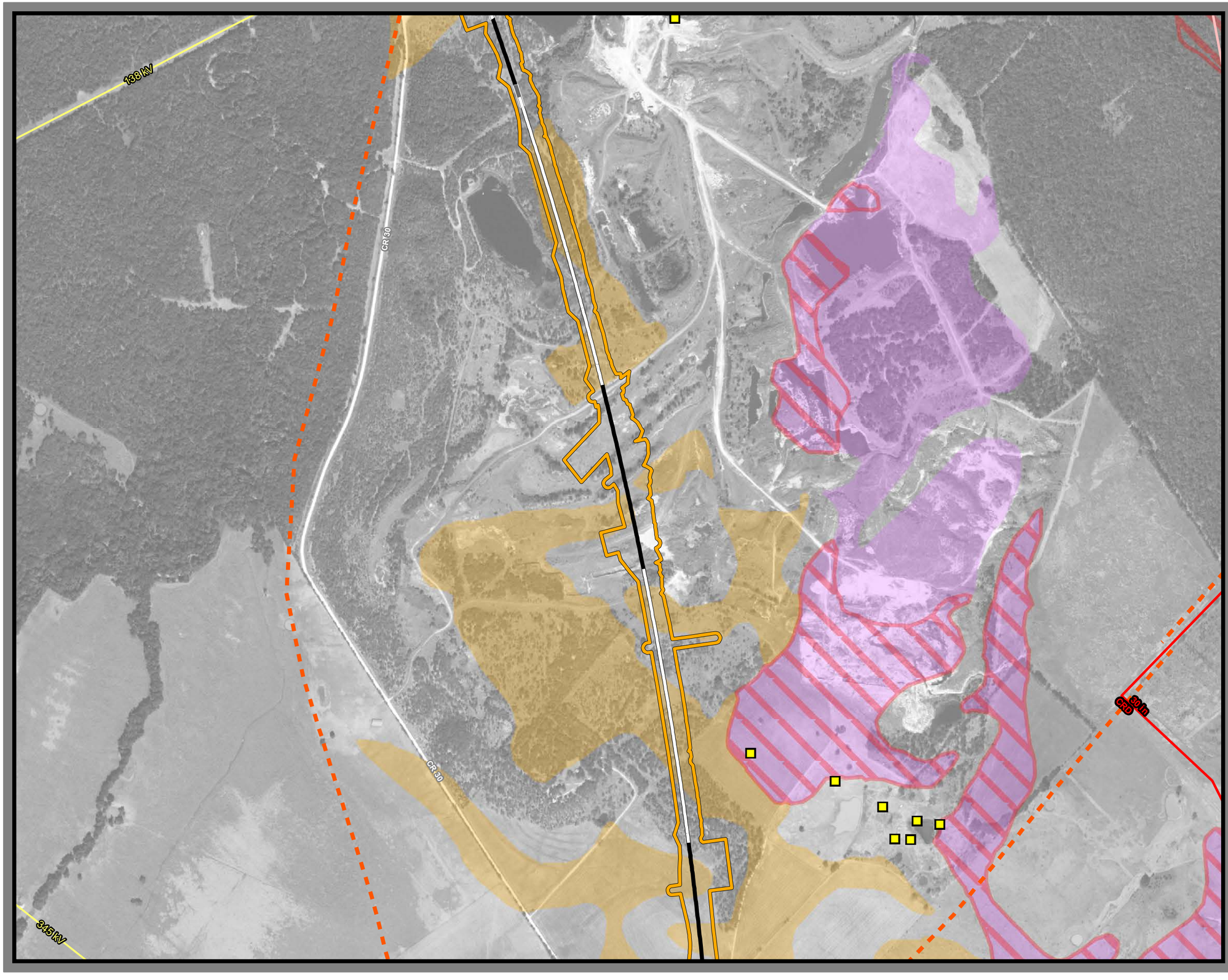

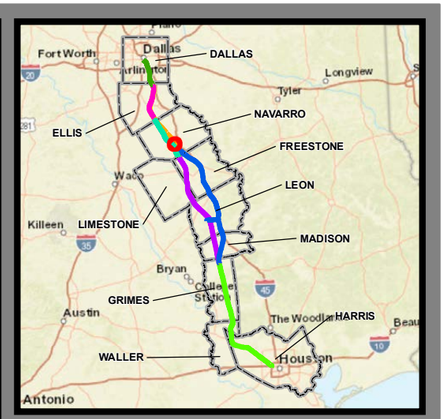

Dallas to Houston
High-Speed Rail Project
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Segment 3B
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Legend

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- Segment 1
- Segment 2A
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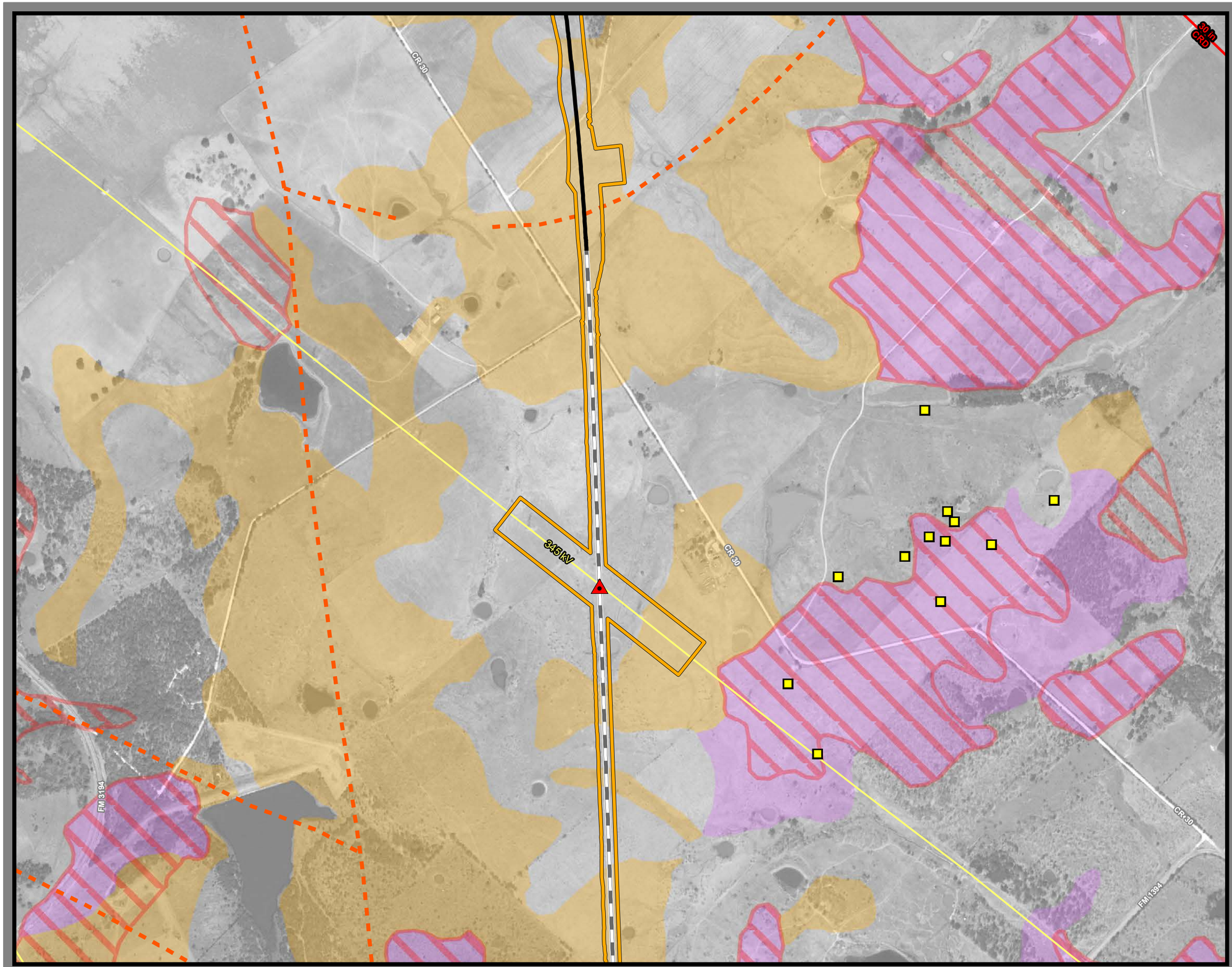
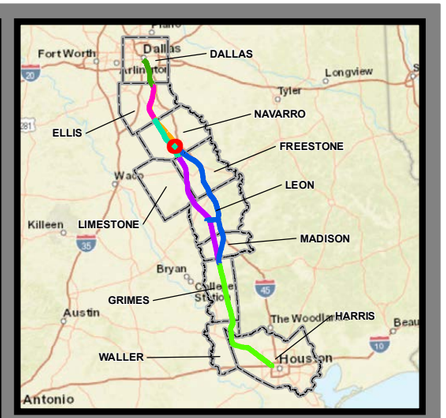
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
Sheet 75 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

This Sheet only depicts Segment 3B; Segments 3A & 3C are also located in this same area and can be referenced on Sheets 56 & 94.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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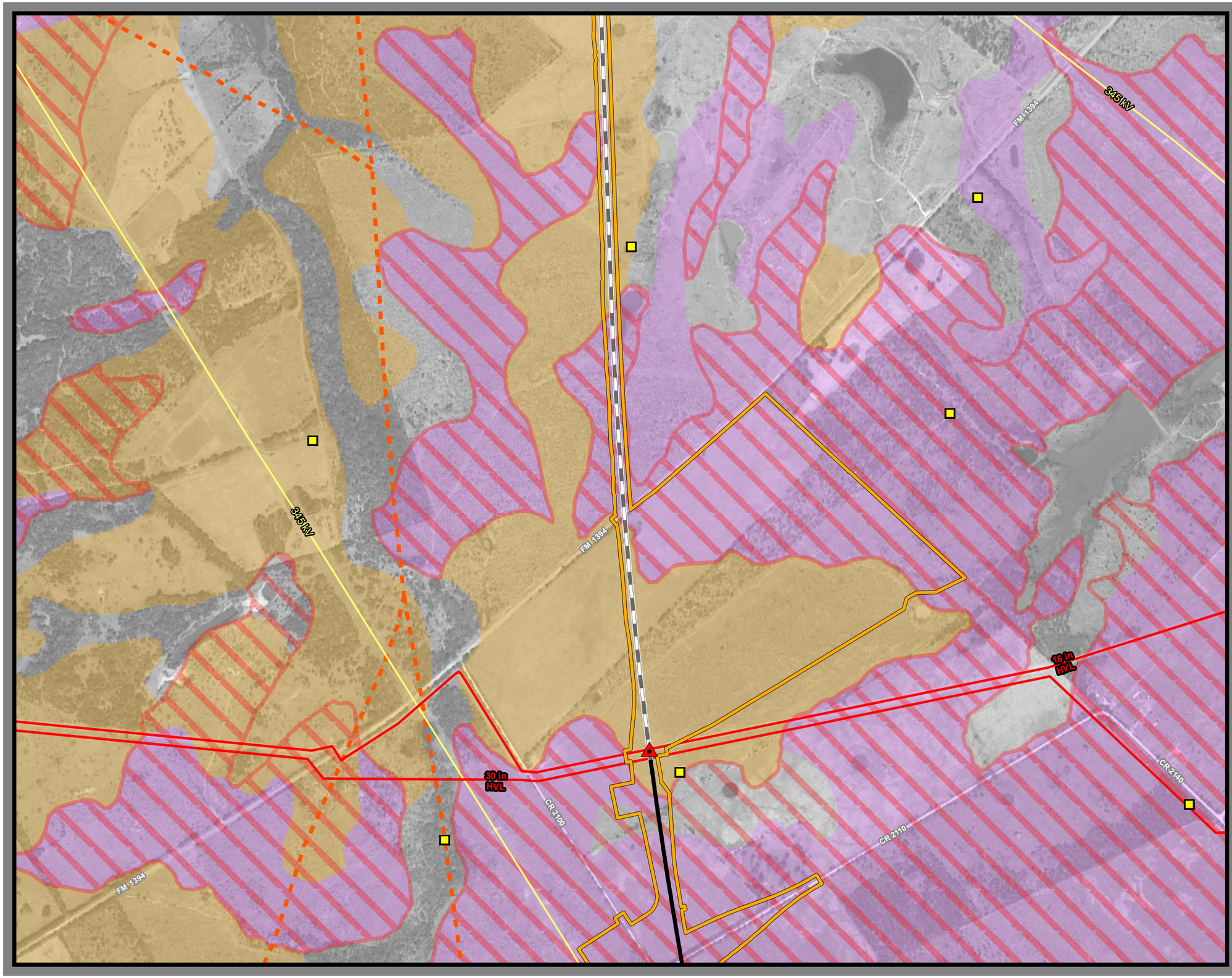
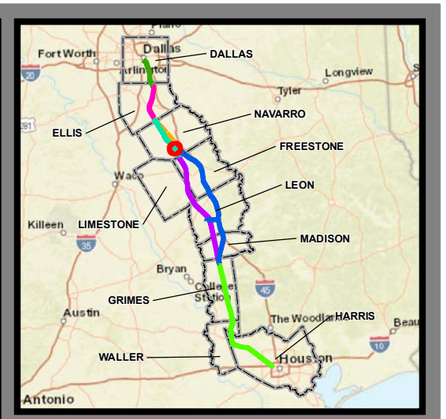
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
Sheet 76 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

This Sheet only depicts Segment 3B; Segments 3A & 3C are also located in this same area and can be referenced on Sheets 57 & 95.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

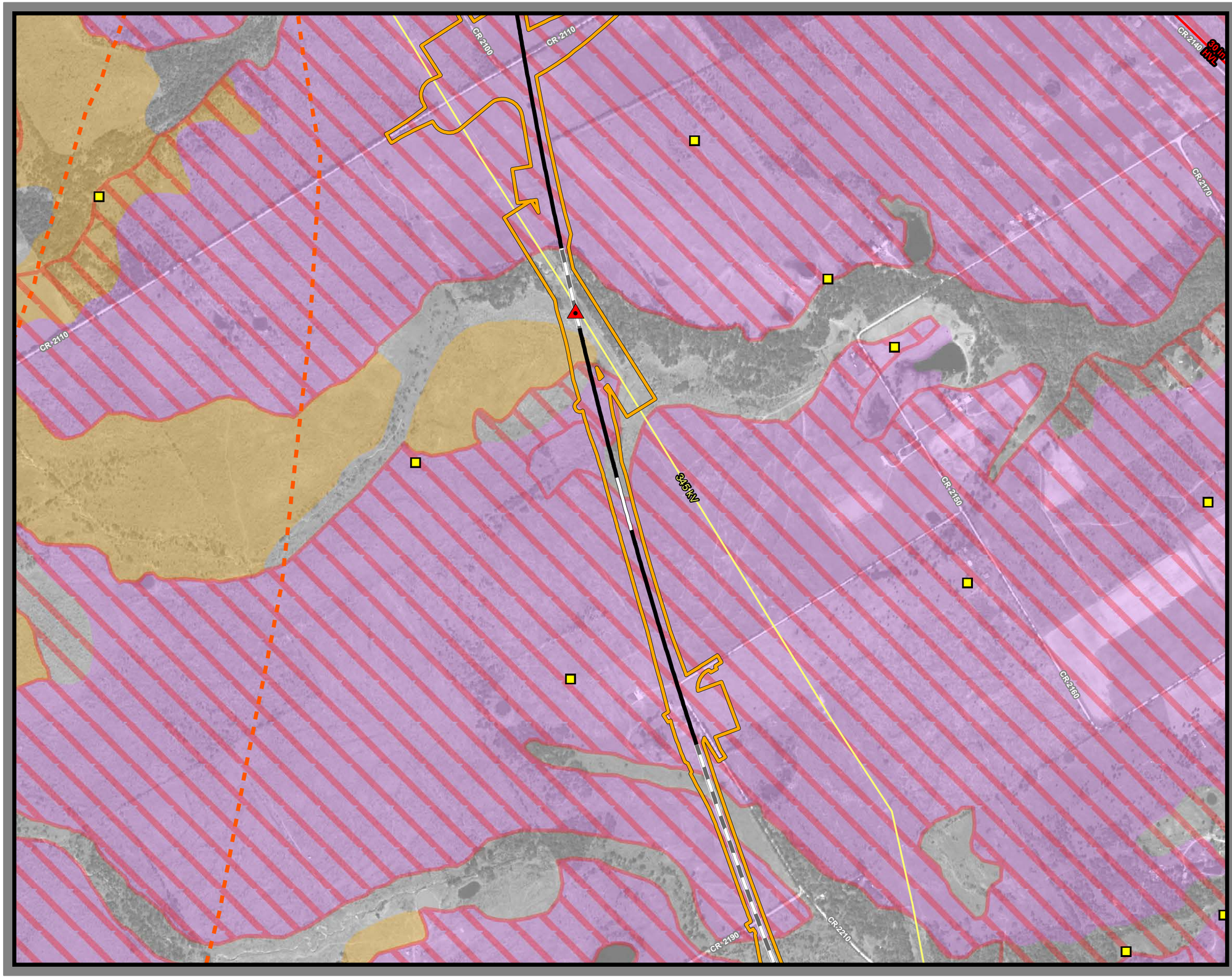
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

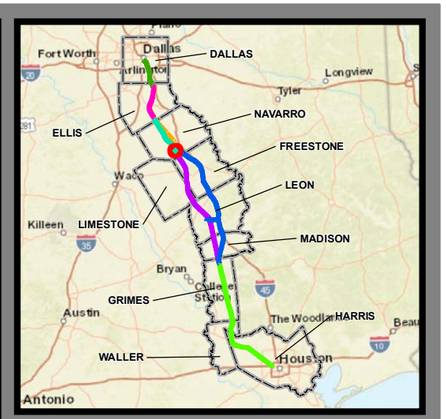
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
Sheet 77 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

This Sheet only depicts Segment 3B; Segment 3A is also located in this same area and can be referenced on Sheet 58.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

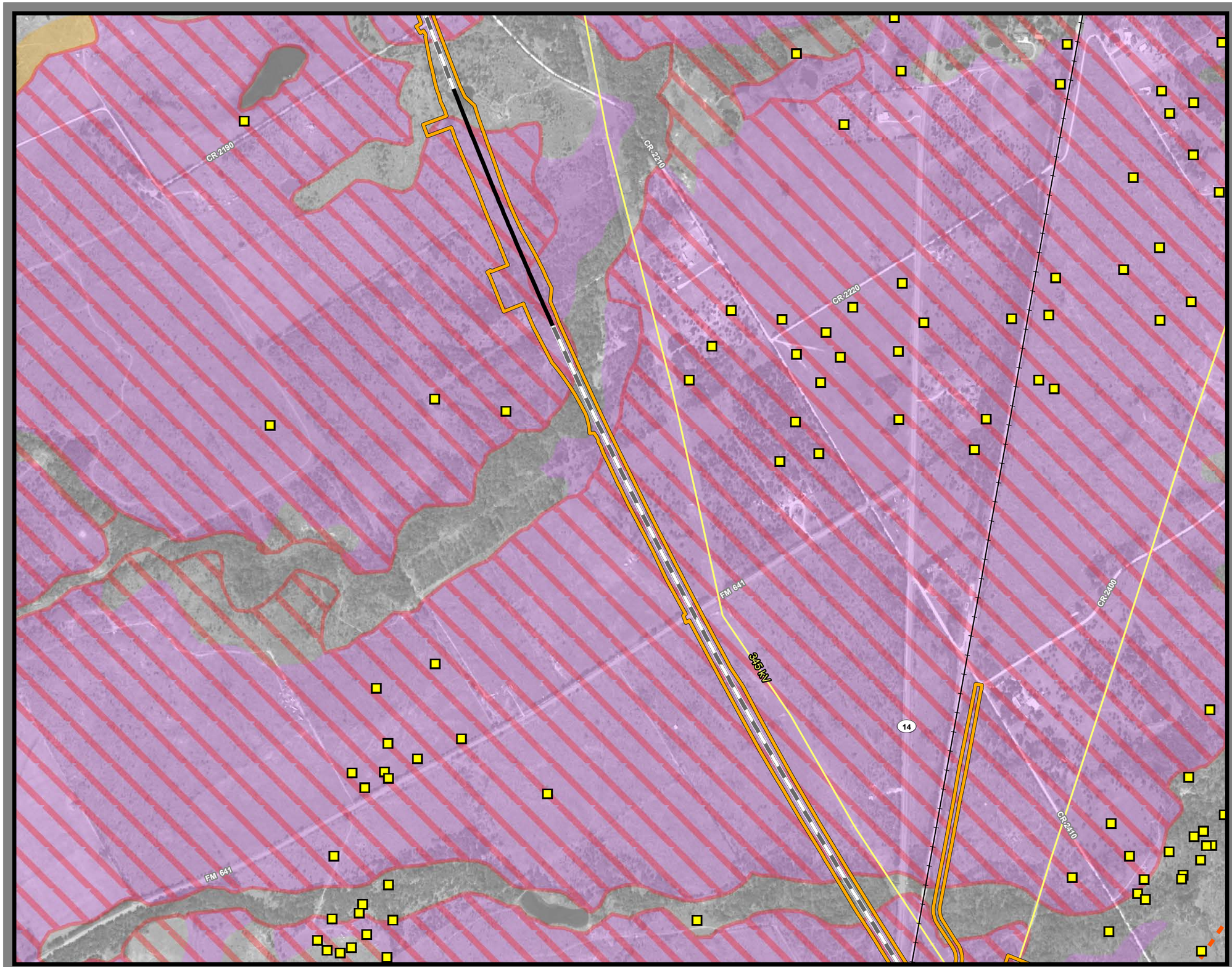
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

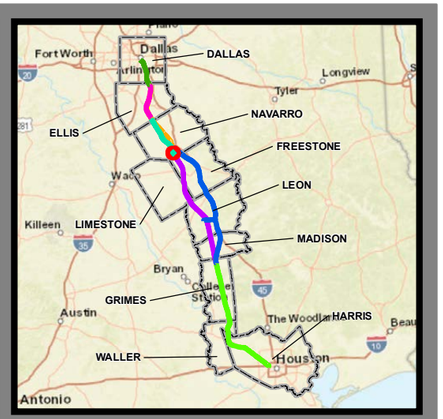
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
Sheet 78 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3B; Segment 3A is also located in this same area and can be referenced on Sheet 59.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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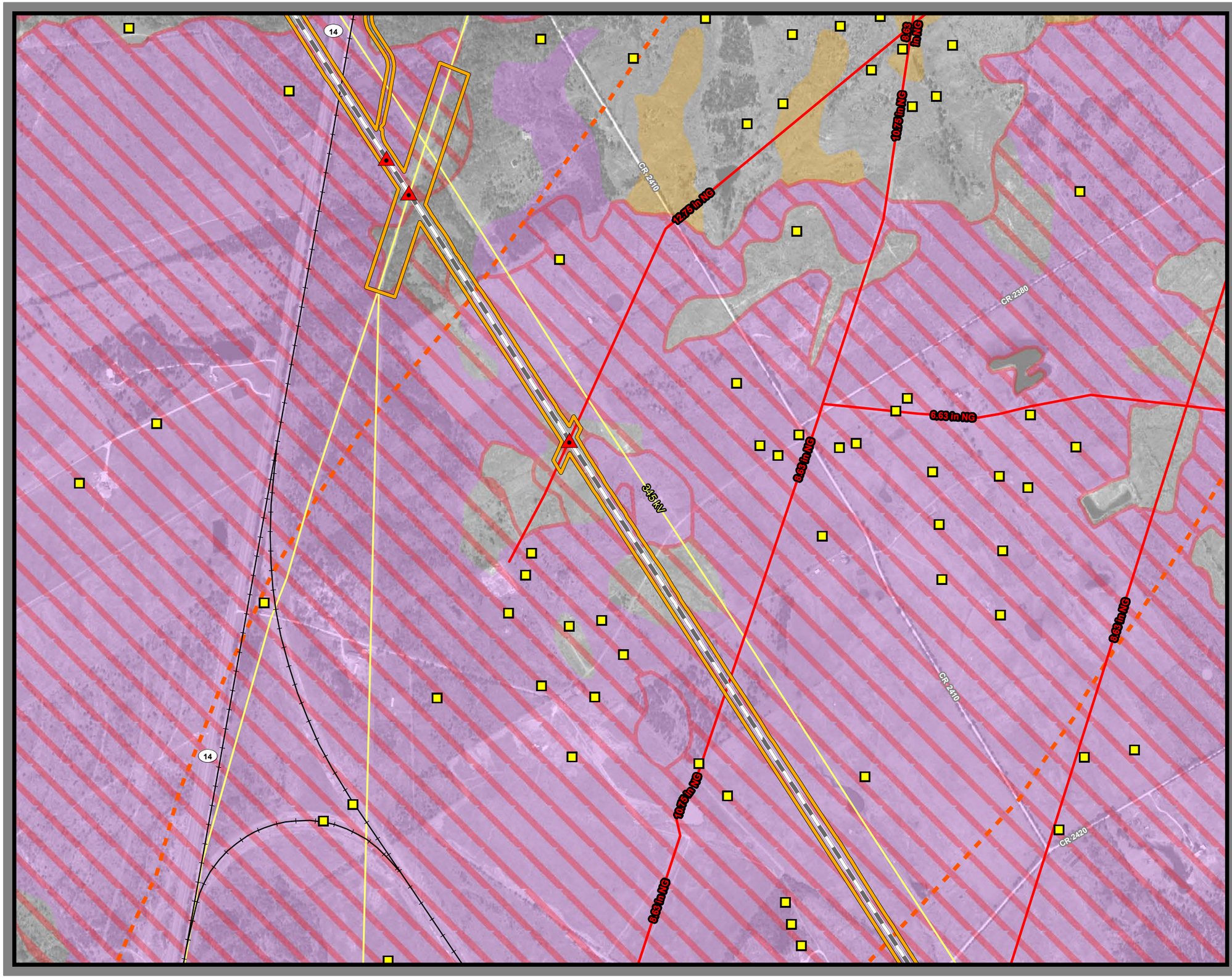
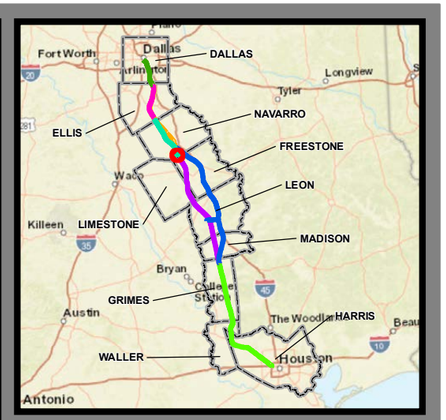
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
Sheet 79 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3B; Segment 3A is also located in this same area and can be referenced on Sheet 60.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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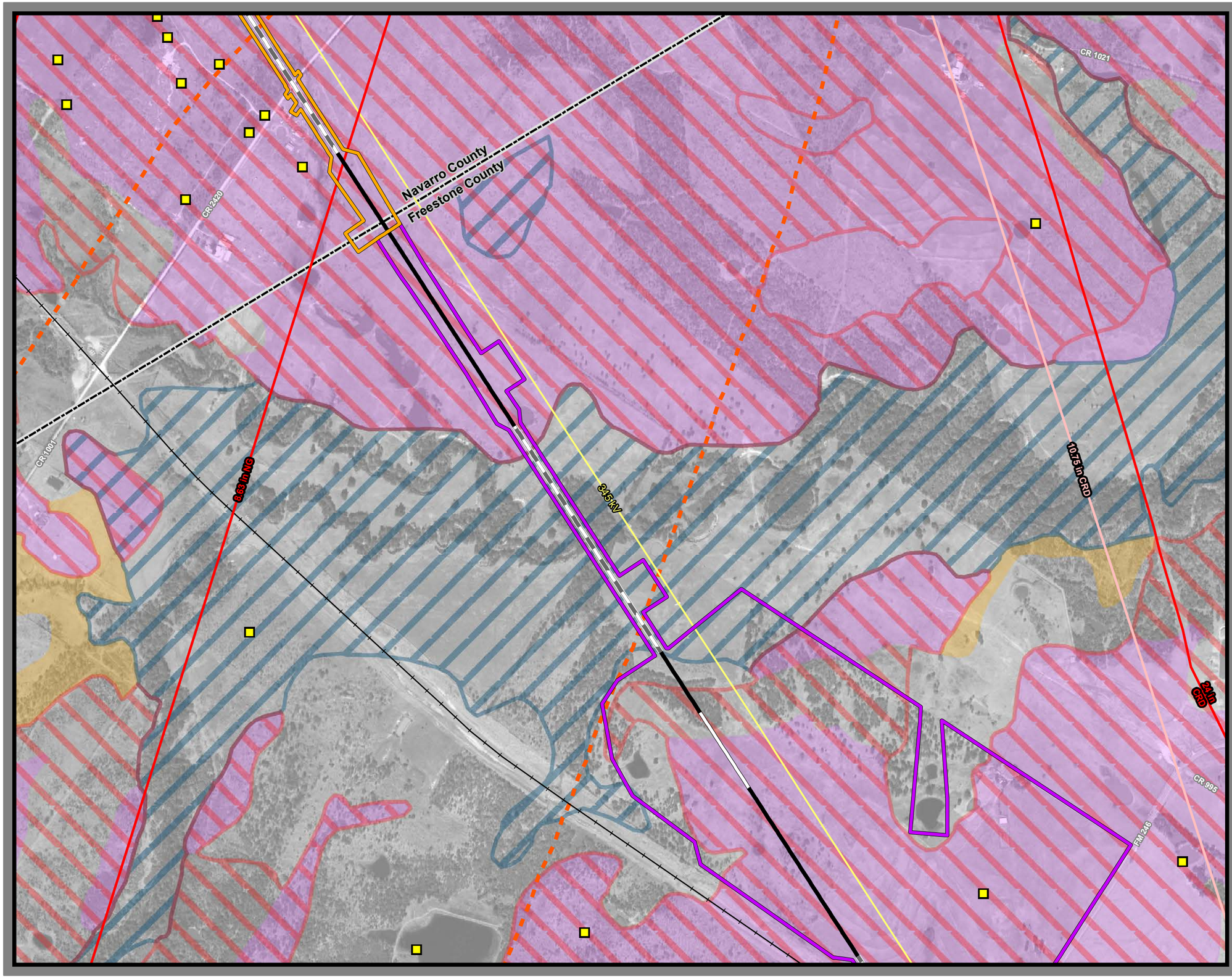
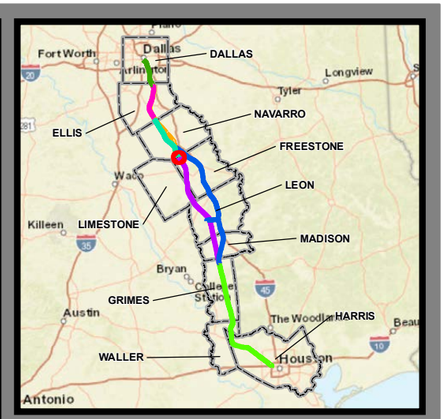
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B, 4
Sheet 80 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

This Sheet only depicts Segments 3B & 4; Segment 3A is also located in this same area and can be referenced on Sheet 61.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

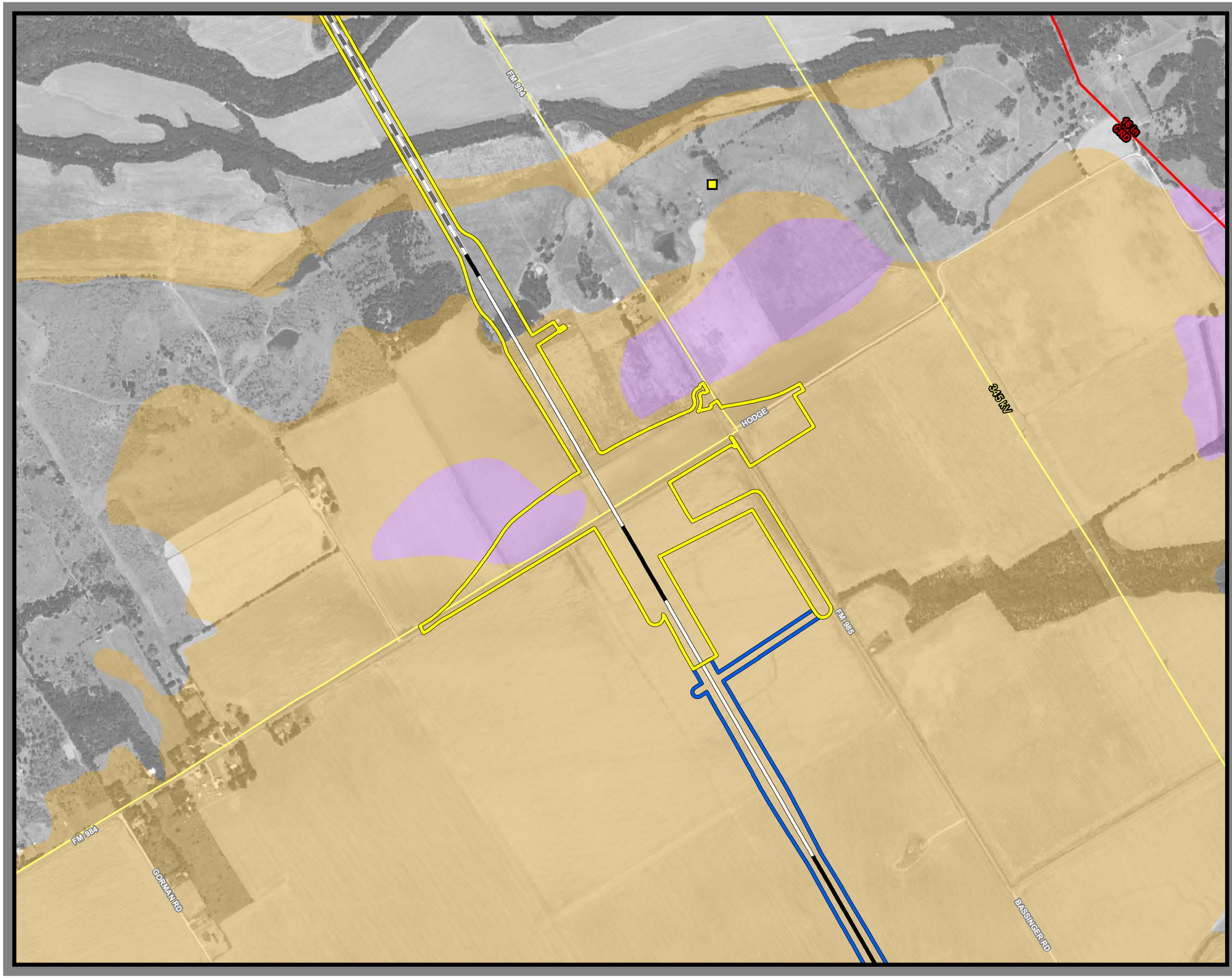
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

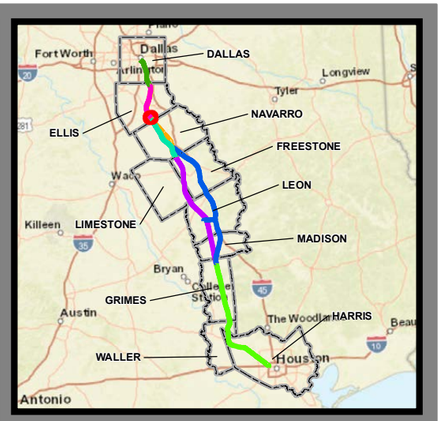
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2B, 3C
Sheet 81 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segments 2B & 3C; Segments 2A, 3A & 3B are also located in this same area and can be referenced on Sheets 27, 43 & 62.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

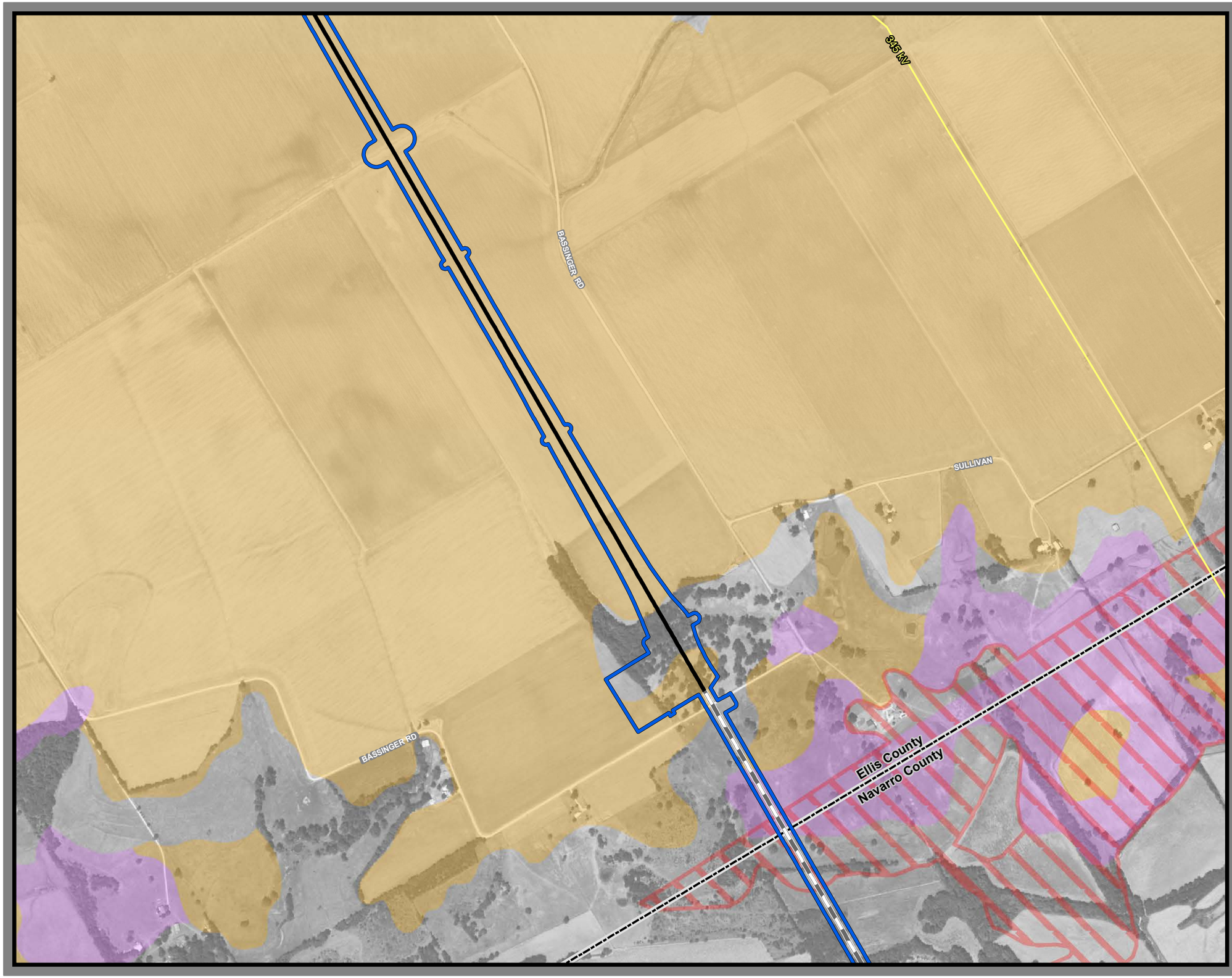
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

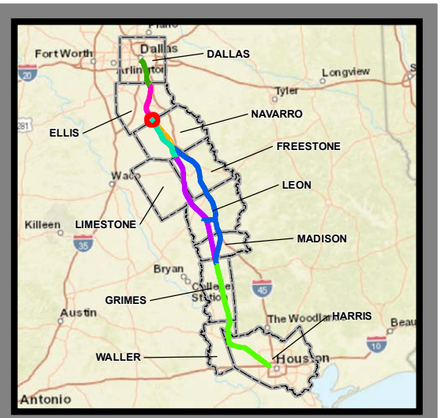
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3C
Sheet 82 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3C; Segments 3A & 3B are also located in this same area and can be referenced on Sheets 44 & 63.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

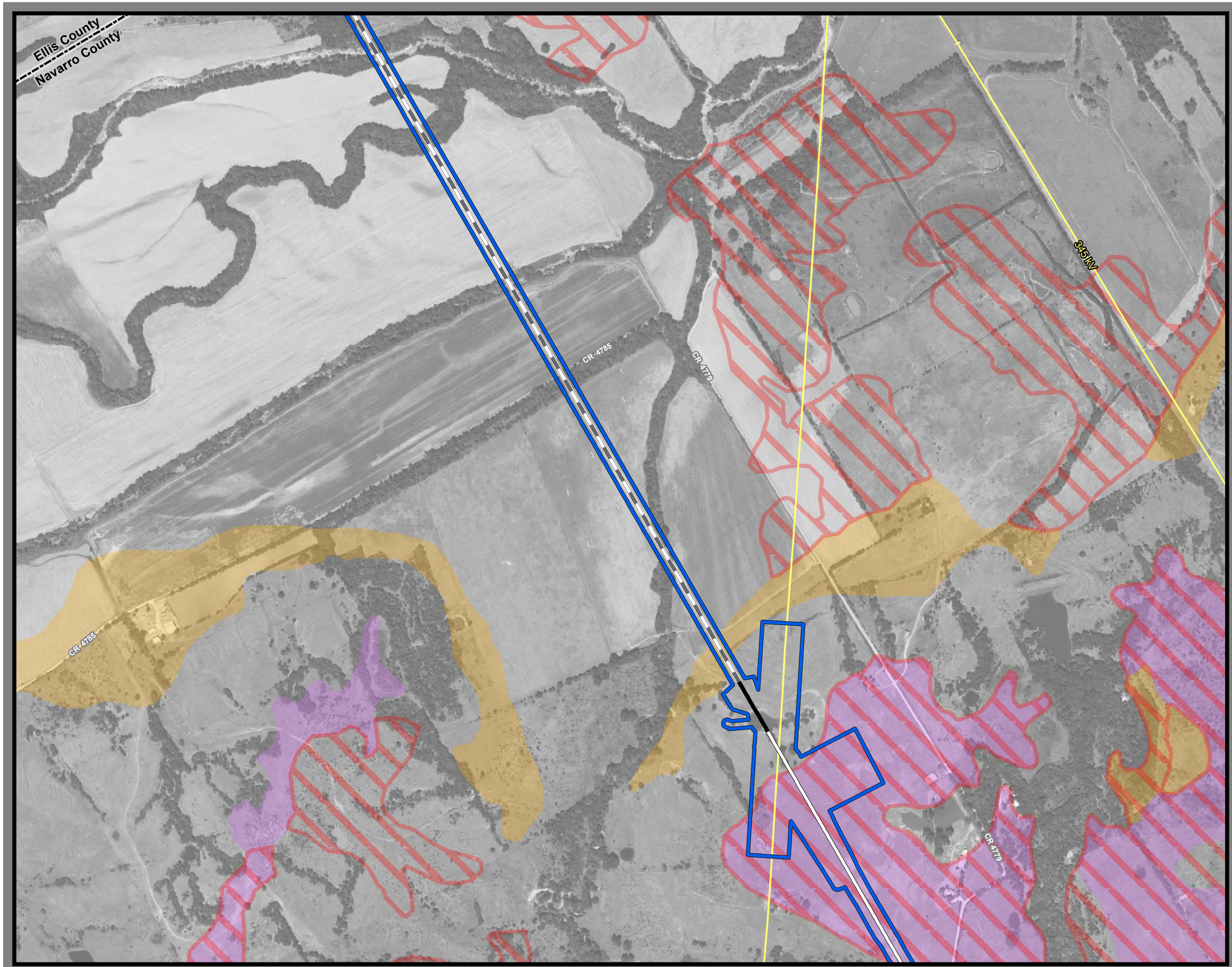
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

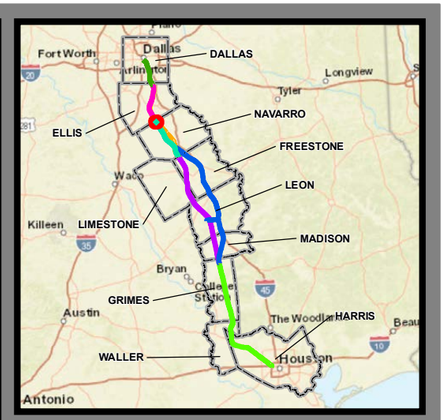
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3C
Sheet 83 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

This Sheet only depicts Segment 3C; Segments 3A & 3B are also located in this same area and can be referenced on Sheets 45 & 64.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

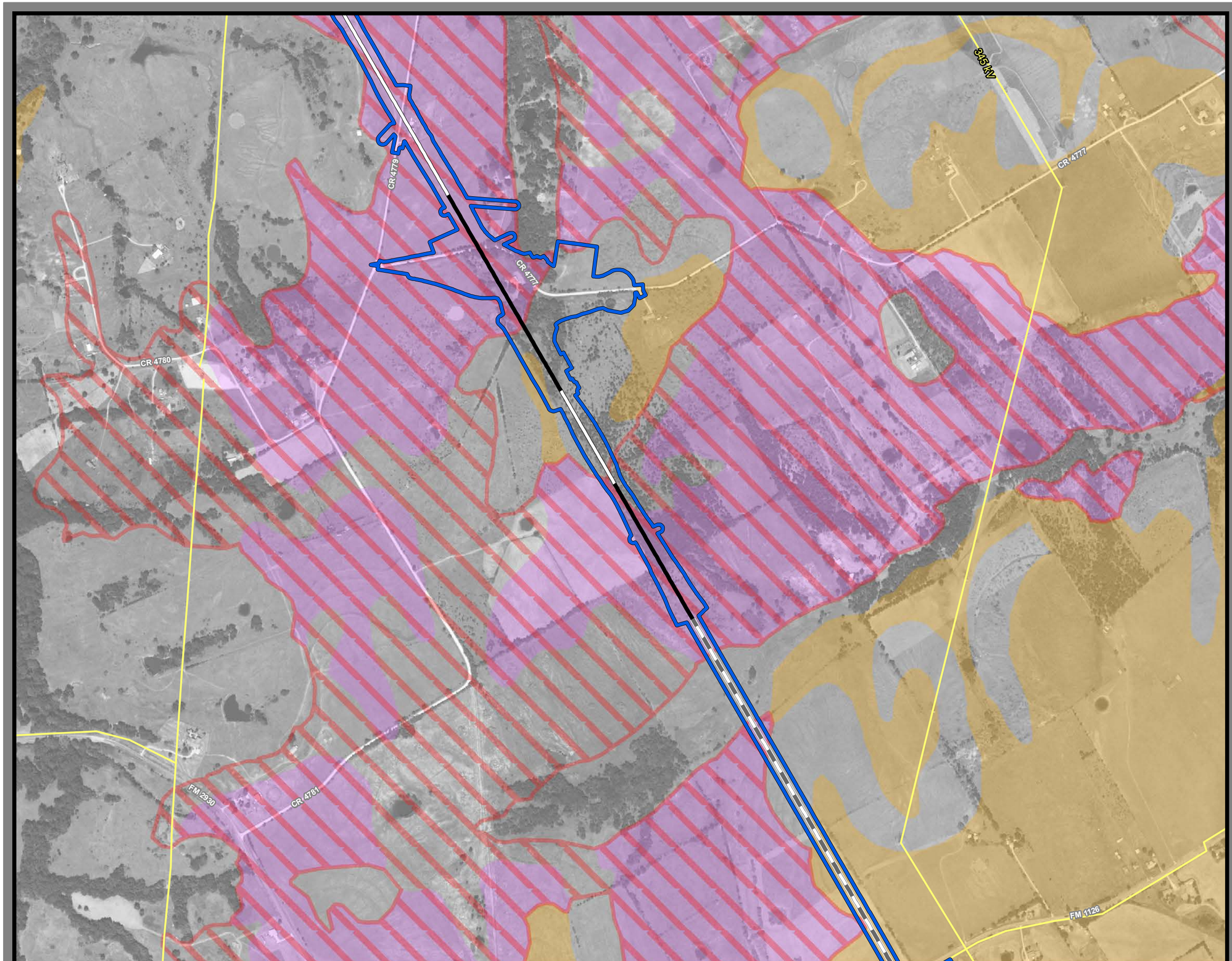
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

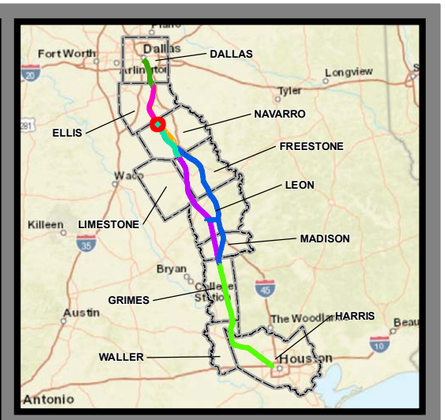
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3C
Sheet 84 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3C; Segments 3A & 3B are also located in this same area and can be referenced on Sheets 46 & 65.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

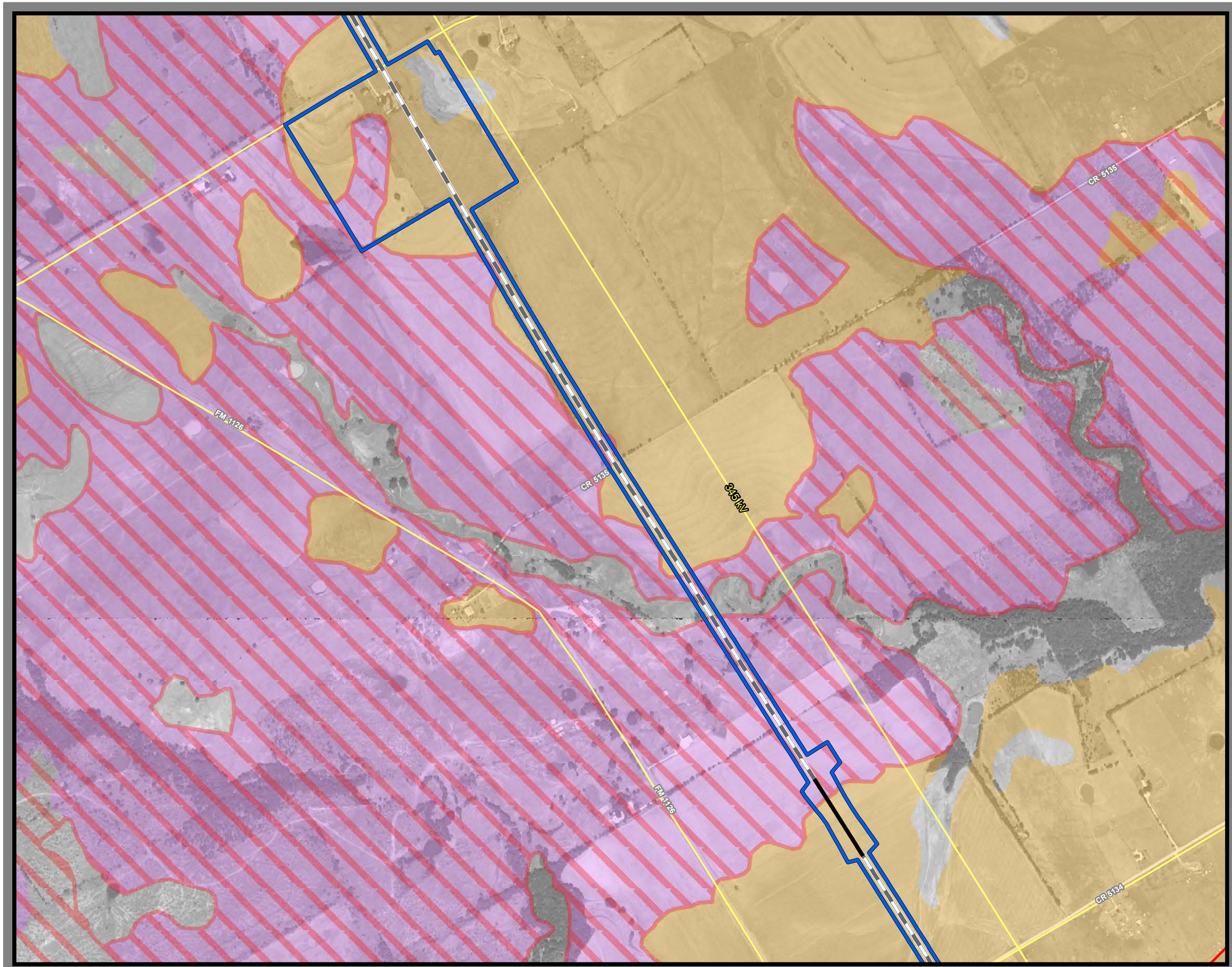
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

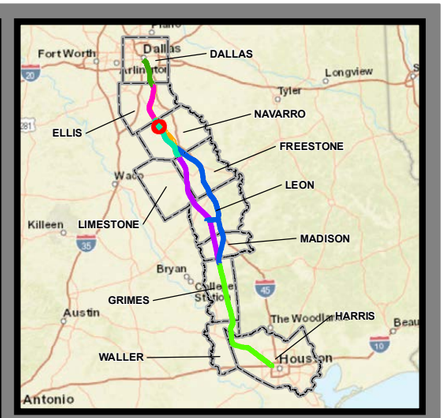
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3C
Sheet 85 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

This Sheet only depicts Segment 3C; Segments 3A & 3B are also located in this same area and can be referenced on Sheets 47 & 66.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

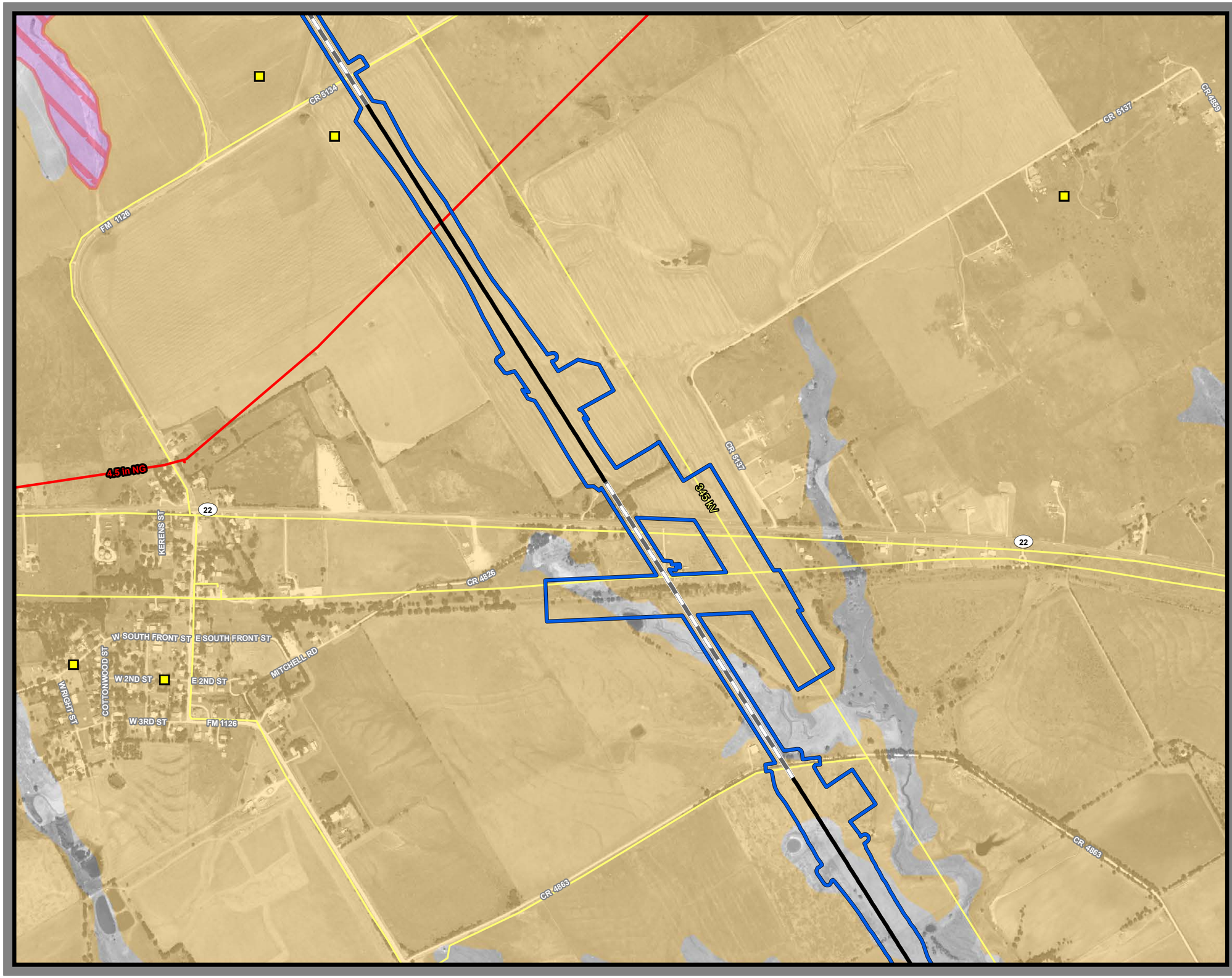
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

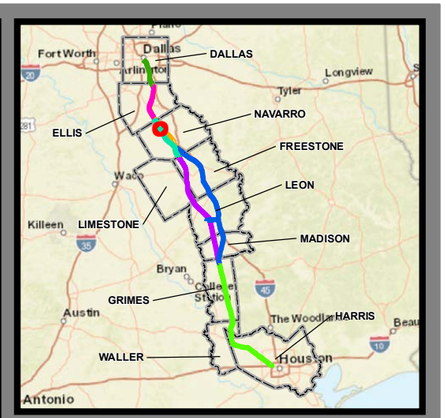
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3C
Sheet 86 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut

- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3C; Segment 3A is also located in this same area and can be referenced on Sheet 48.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

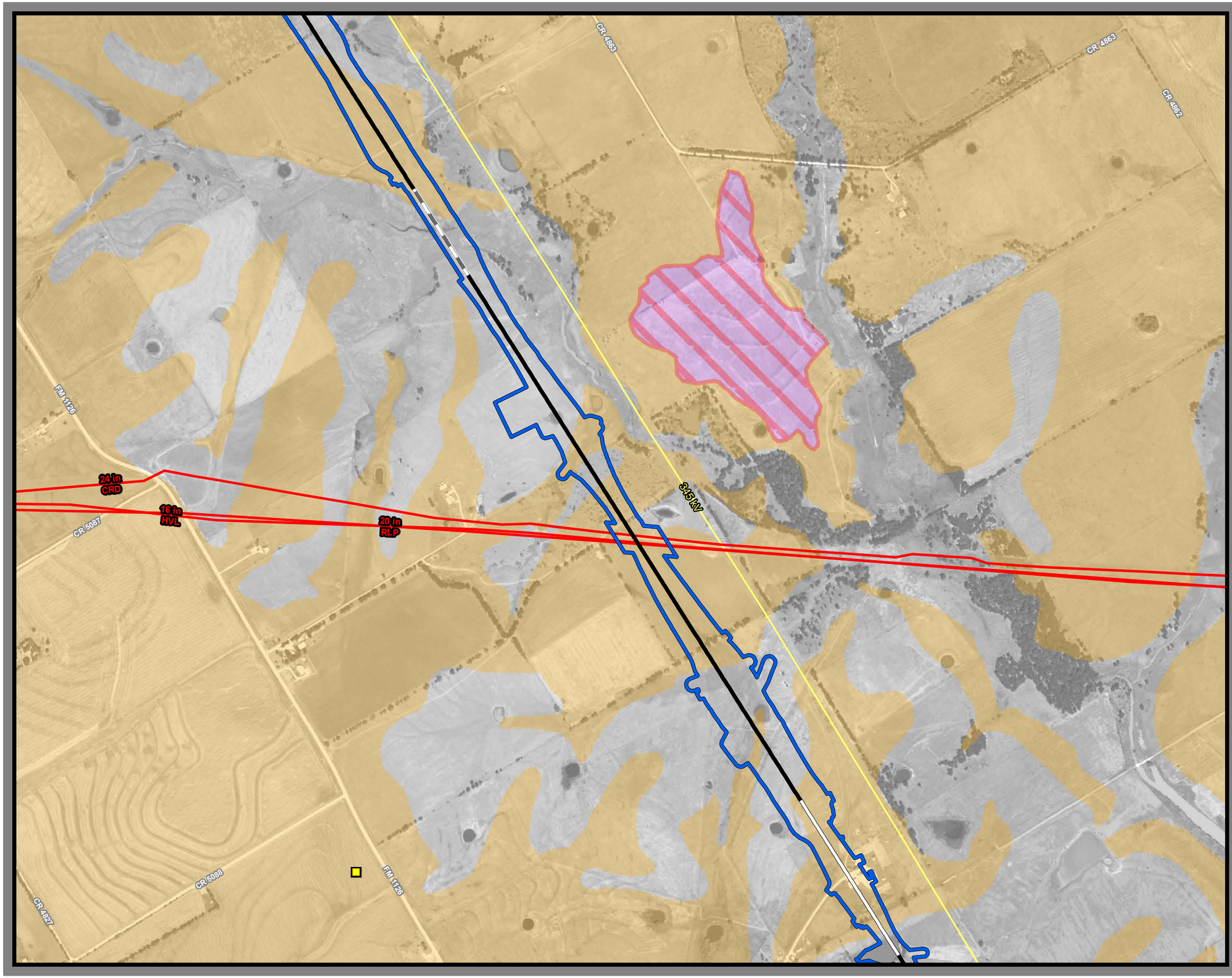
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

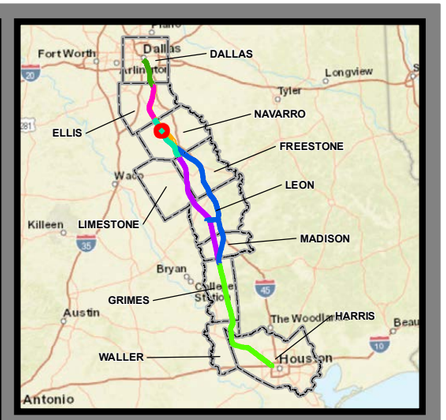
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3C
Sheet 87 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3C; Segment 3A is also located in this same area and can be referenced on Sheet 49.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

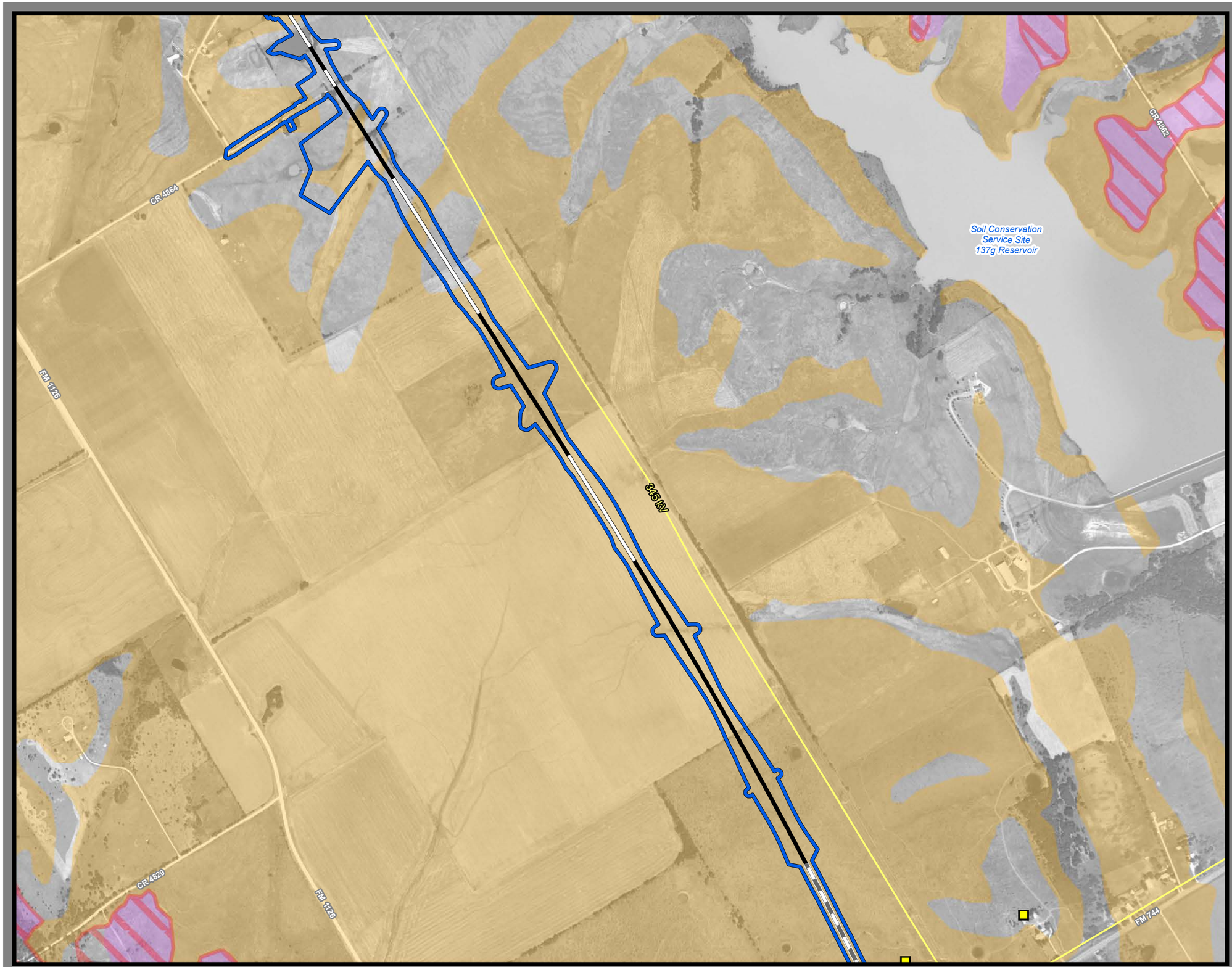
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

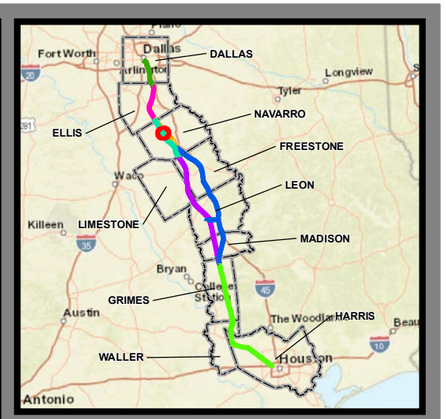
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3C
Sheet 88 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3C; Segment 3A is also located in this same area and can be referenced on Sheet 50.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

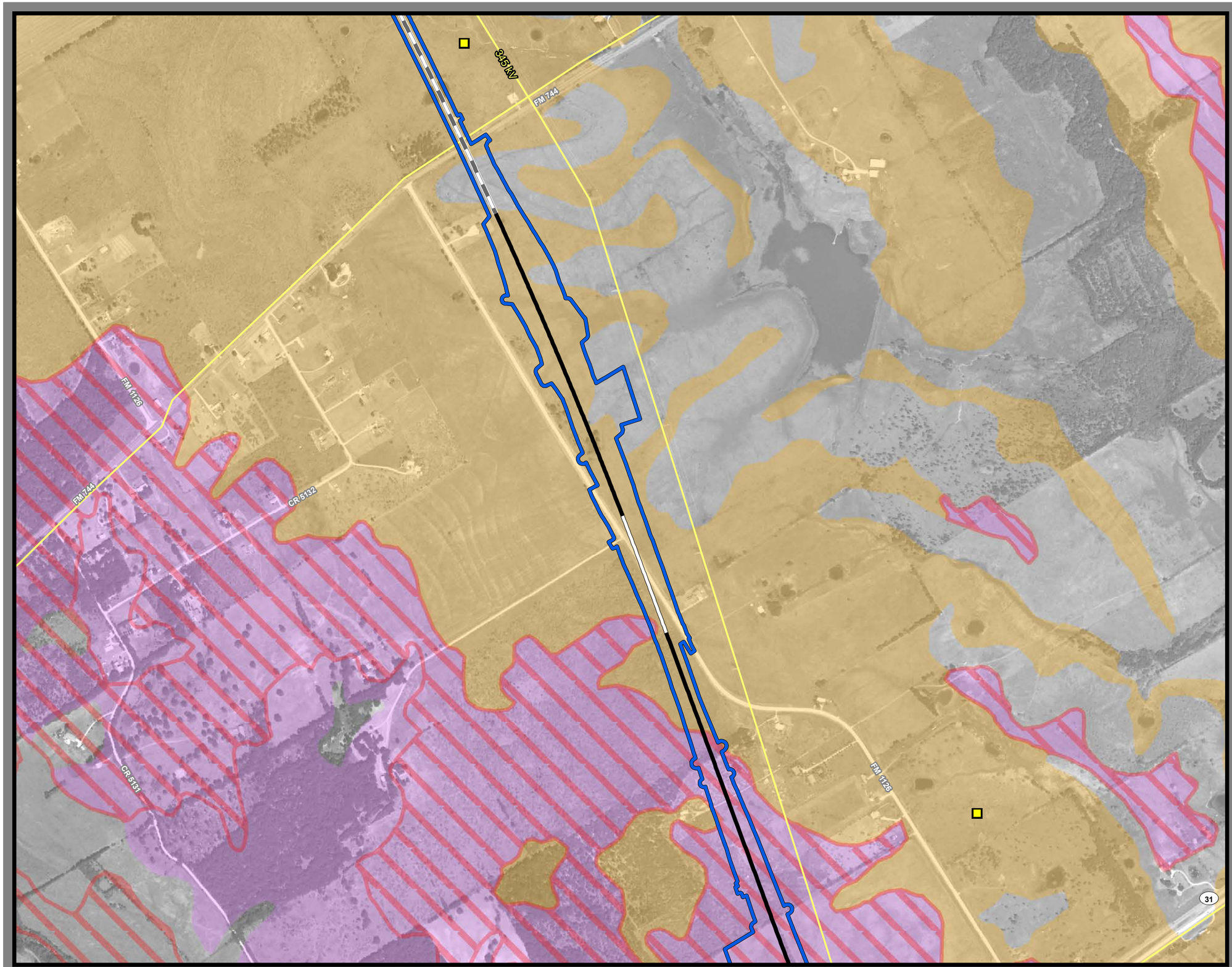
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

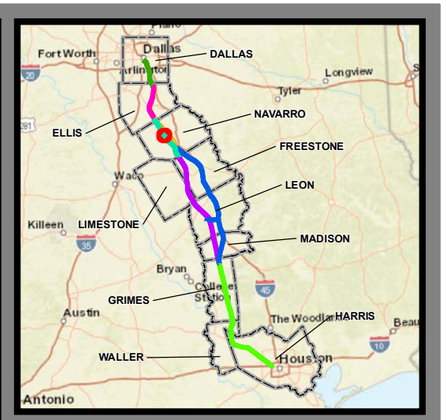
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3C
Sheet 89 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3C; Segment 3A is also located in this same area and can be referenced on Sheet 51.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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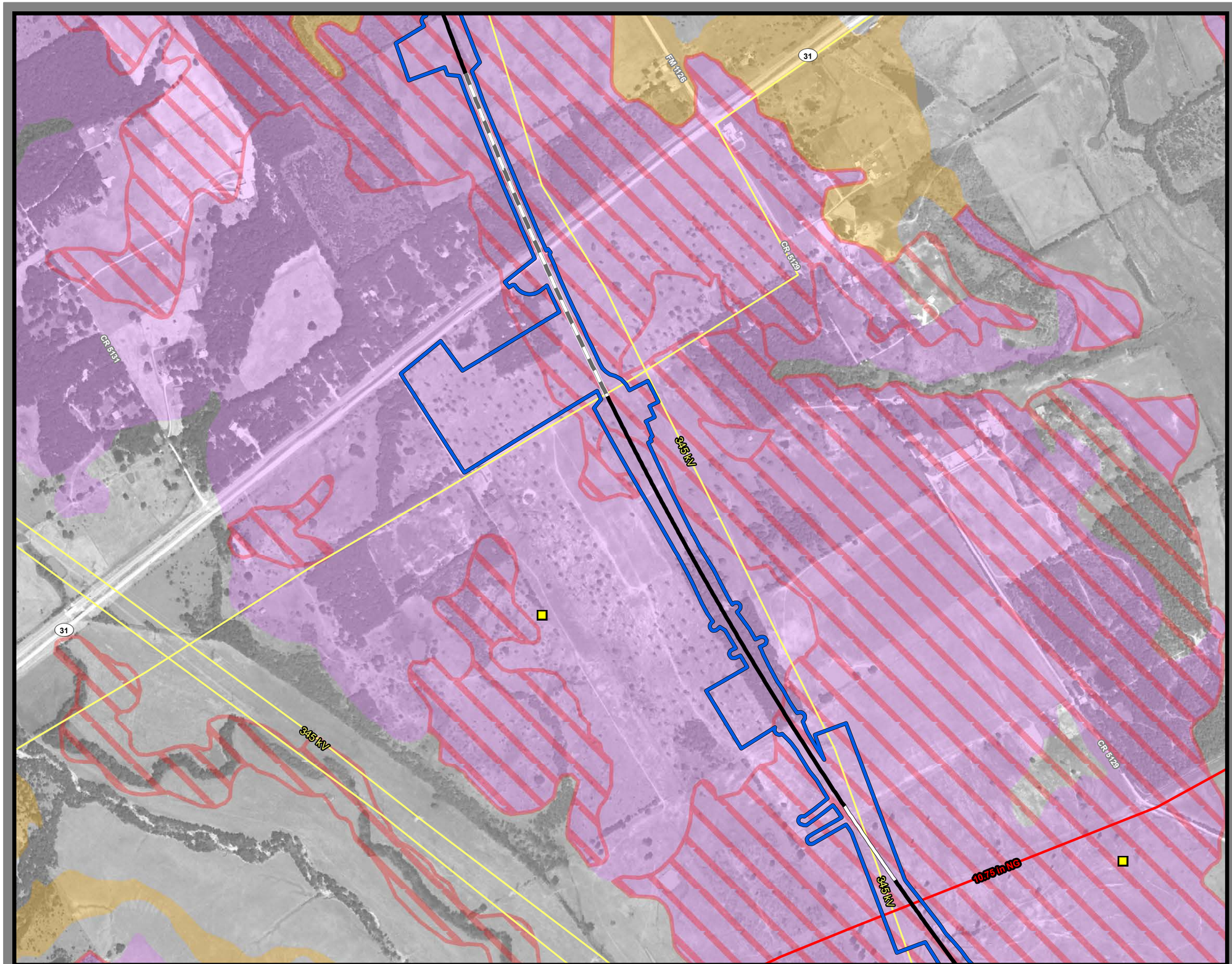
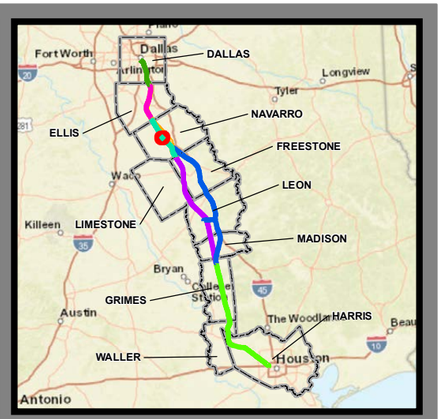
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3C
Sheet 90 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3C; Segment 3A is also located in this same area and can be referenced on Sheet 52.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

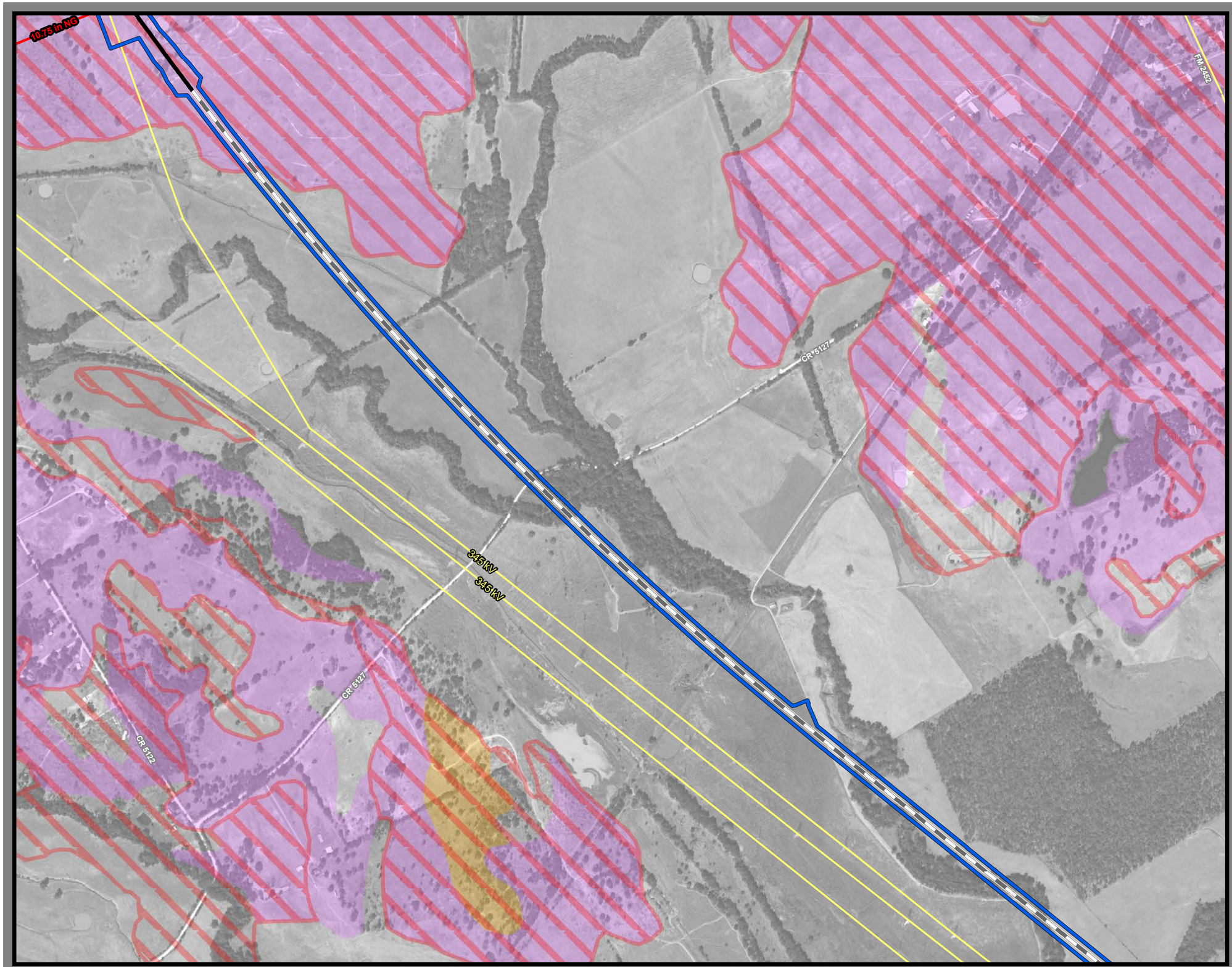
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

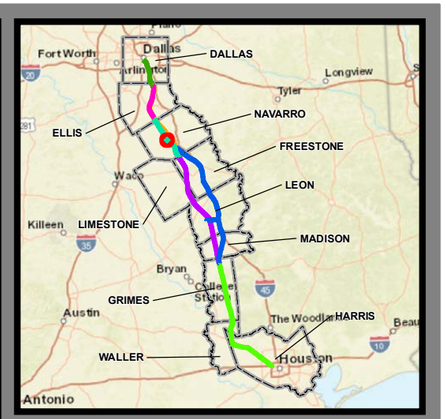
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3C
Sheet 91 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3C; Segment 3A is also located in this same area and can be referenced on Sheet 53.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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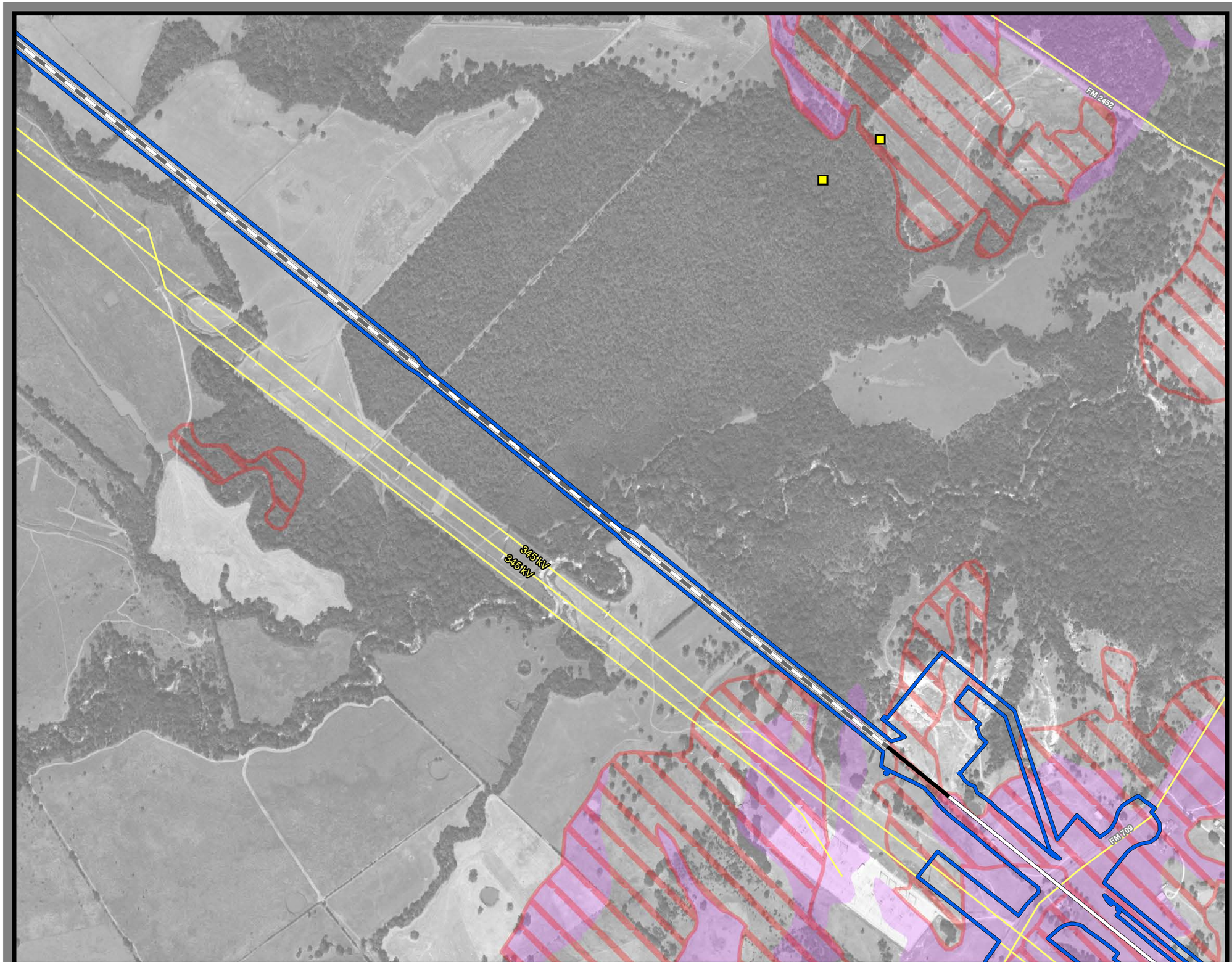
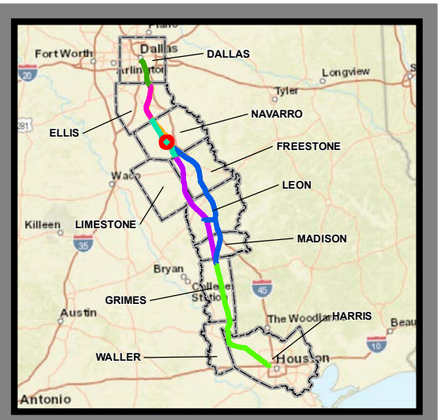
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3C
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Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut

- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

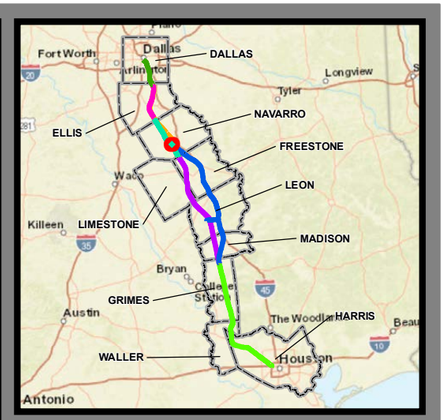
Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3C; Segment 3A is also located in this same area and can be referenced on Sheet 54.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S



Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3C
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Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

This Sheet only depicts Segment 3C; Segment 3A is also located in this same area and can be referenced on Sheet 55.

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

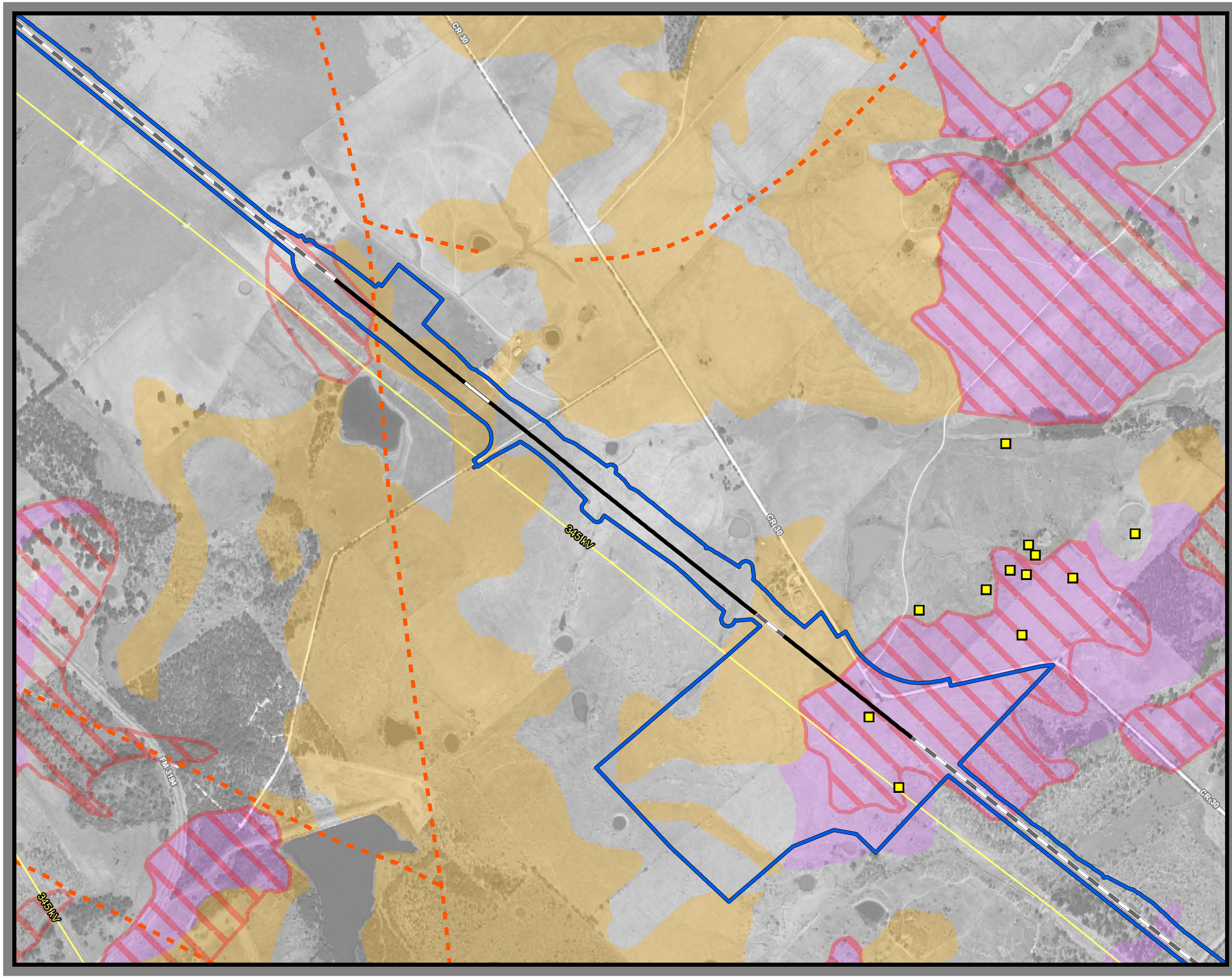
Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

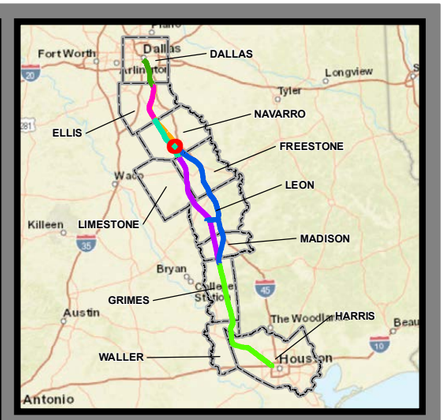
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
0 200 400 800 Feet

N W E S





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3C
Sheet 94 of 257

Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
- Farmland of Statewide Importance
- Prime Farmland if Drained

*****This Sheet only depicts Segment 3C; Segments 3A & 3B are also located in this same area and can be referenced on Sheets 56 & 75.*****

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

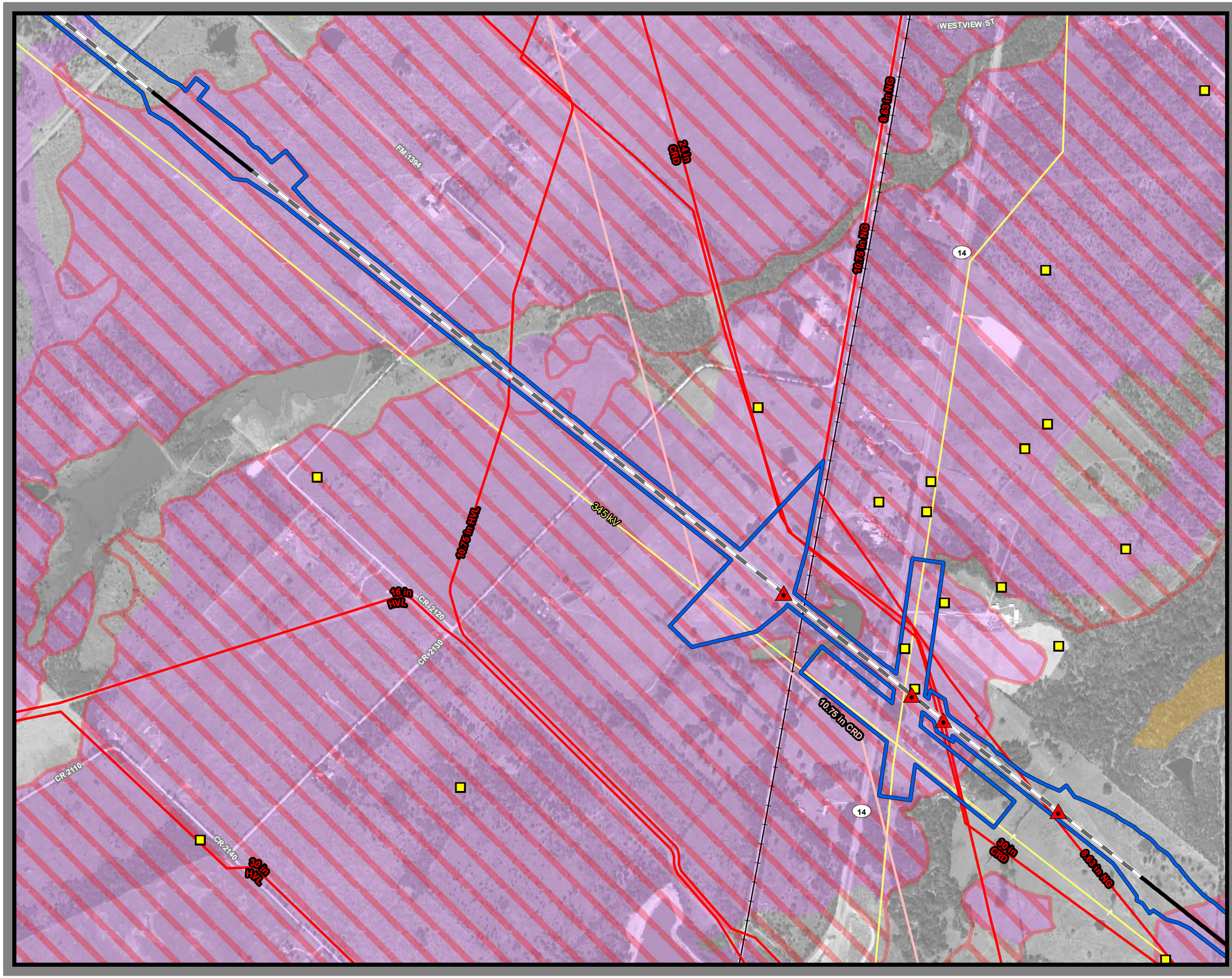
*Utility and pipeline locations depicted on this map include those identified in publically available information (TxRRC 2018). The Utility crossings shown here are those that have been identified by TCRR and their contractors (ARUP, 2019) during engineering design and coordination with utility providers. It is anticipated that, prior to construction, additional utilities may be identified through continued coordination with utilities providers and field investigations by TCRR.

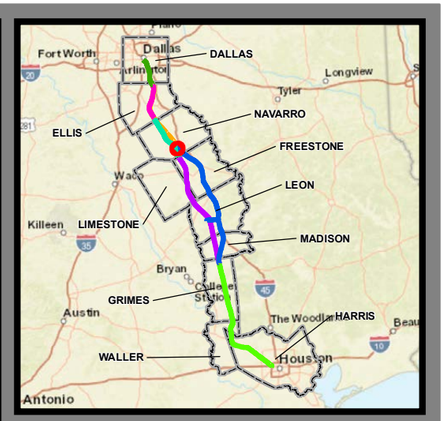
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet

0 200 400 800 Feet

N W E S





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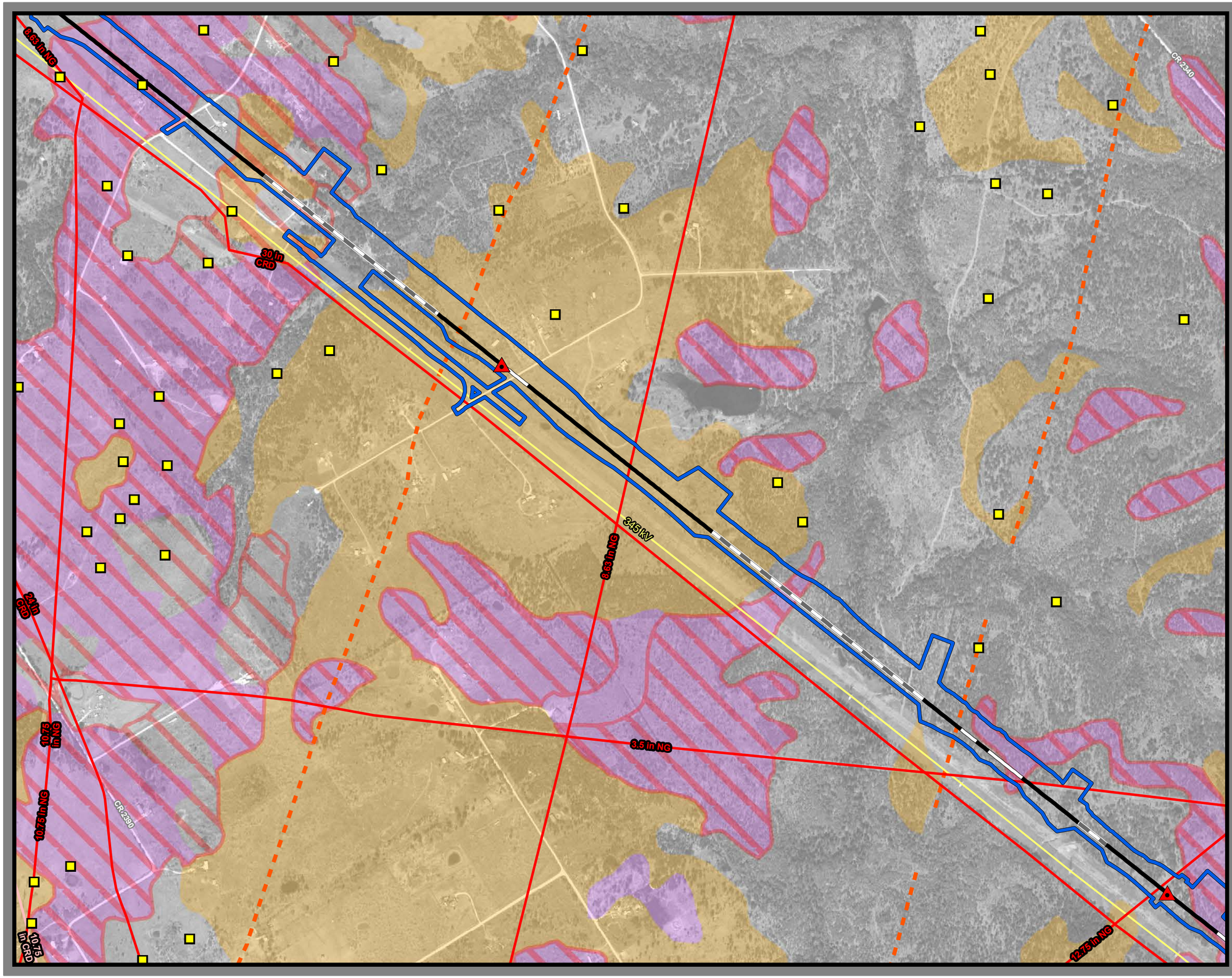

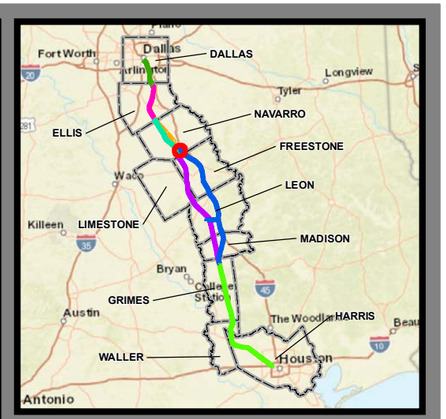

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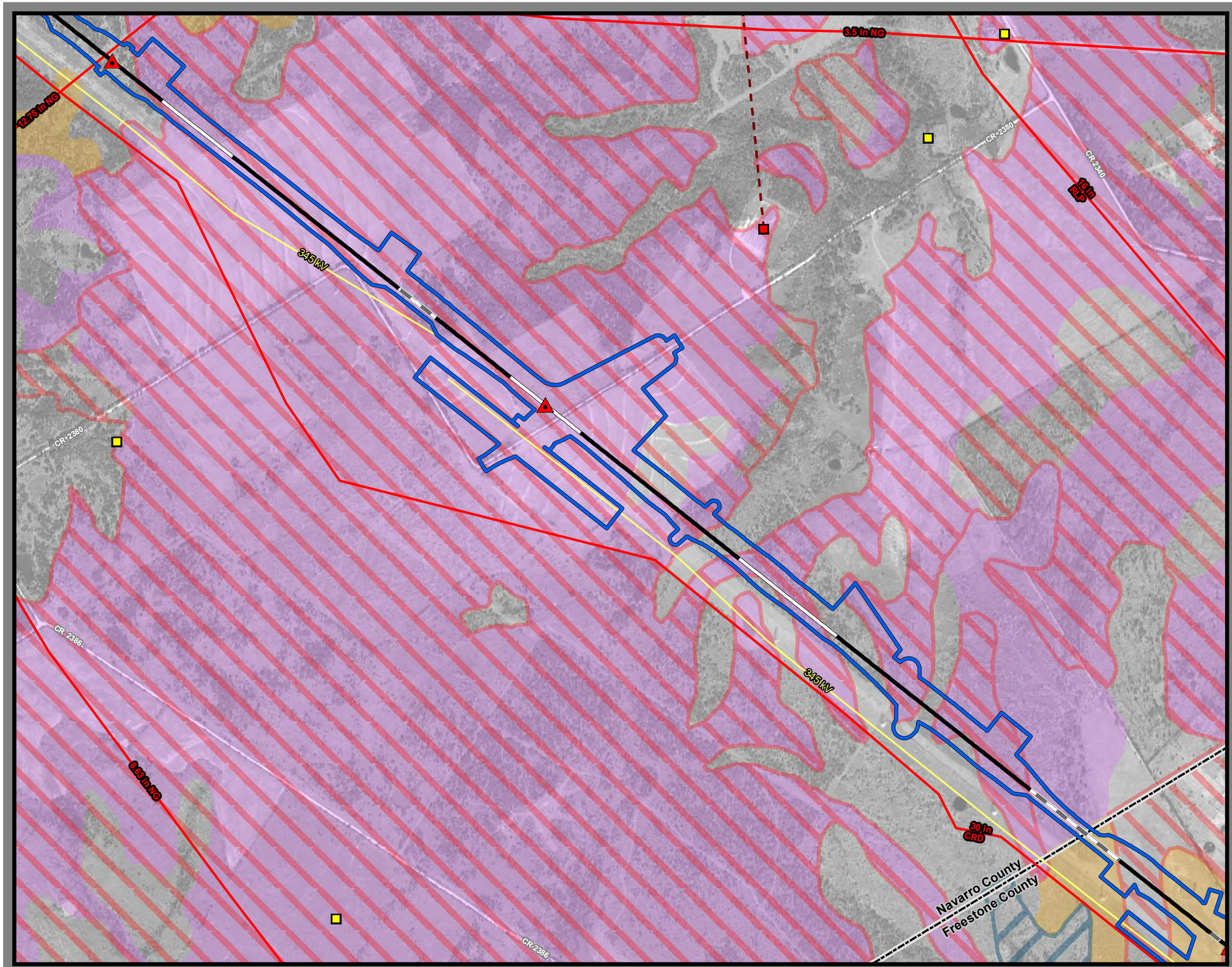

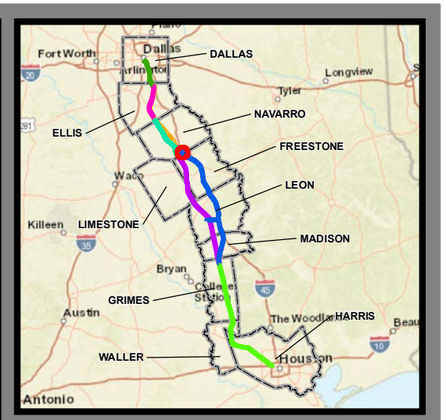

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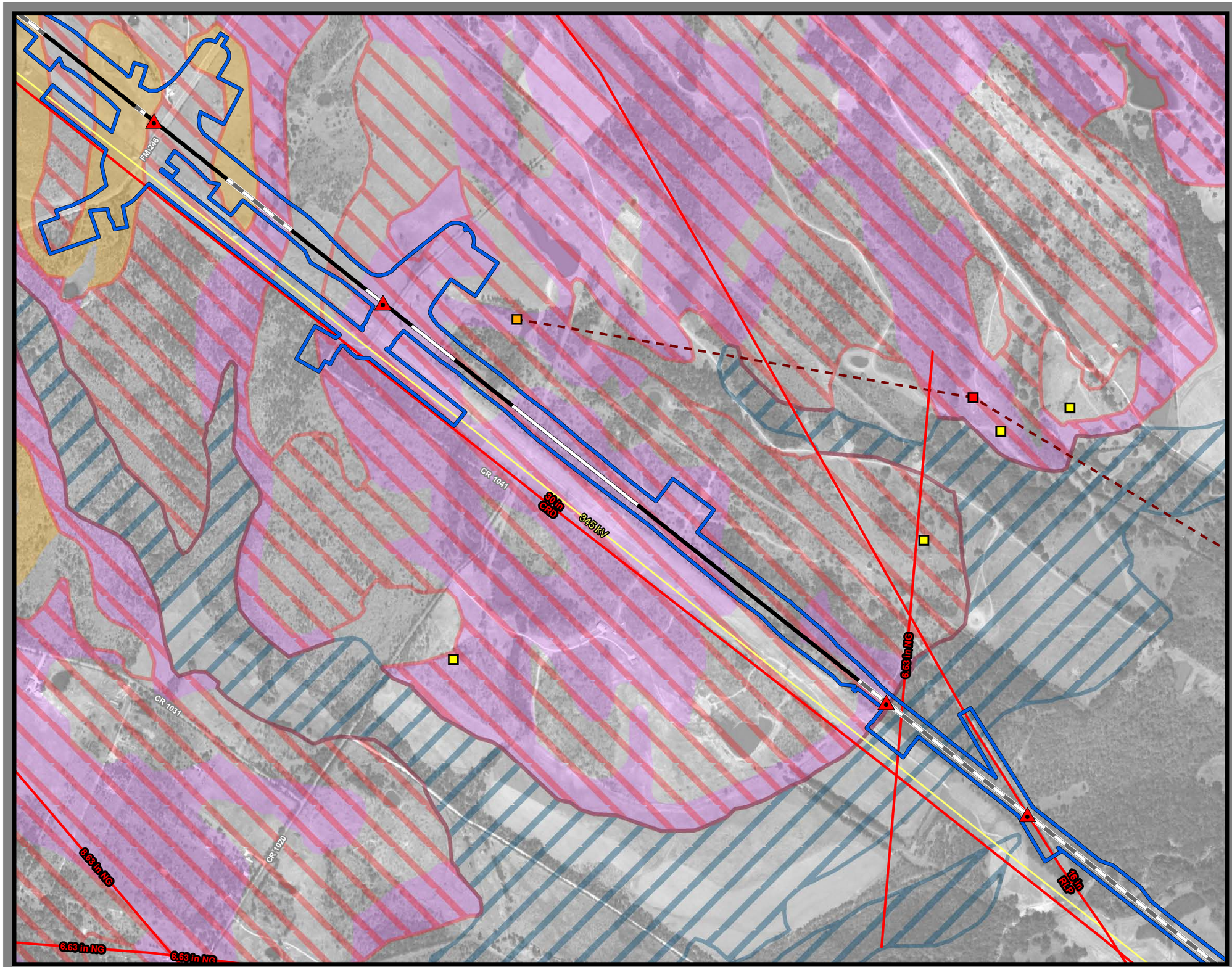

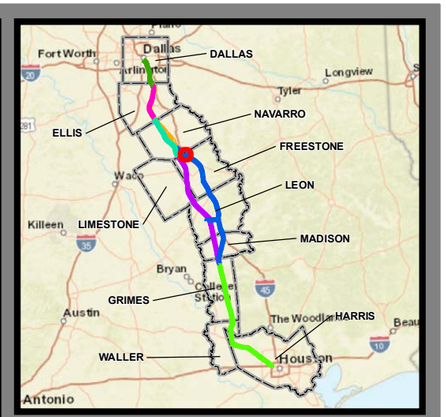

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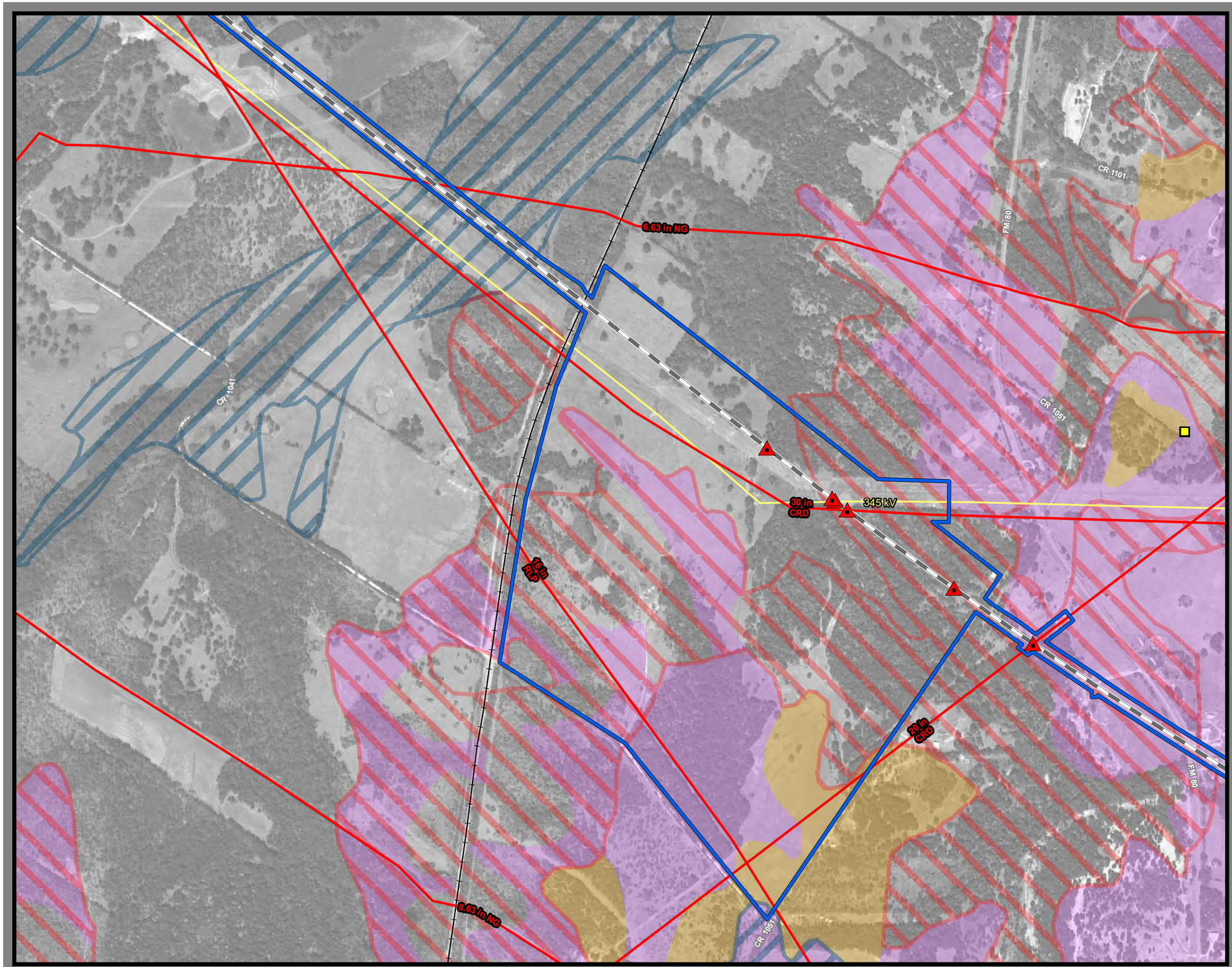

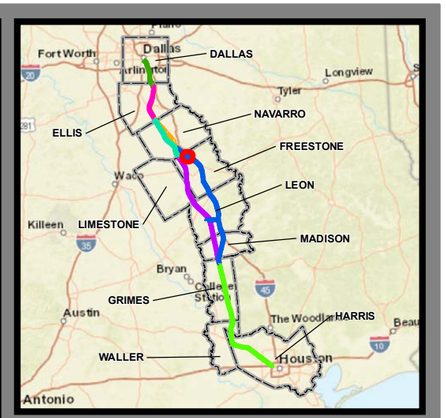

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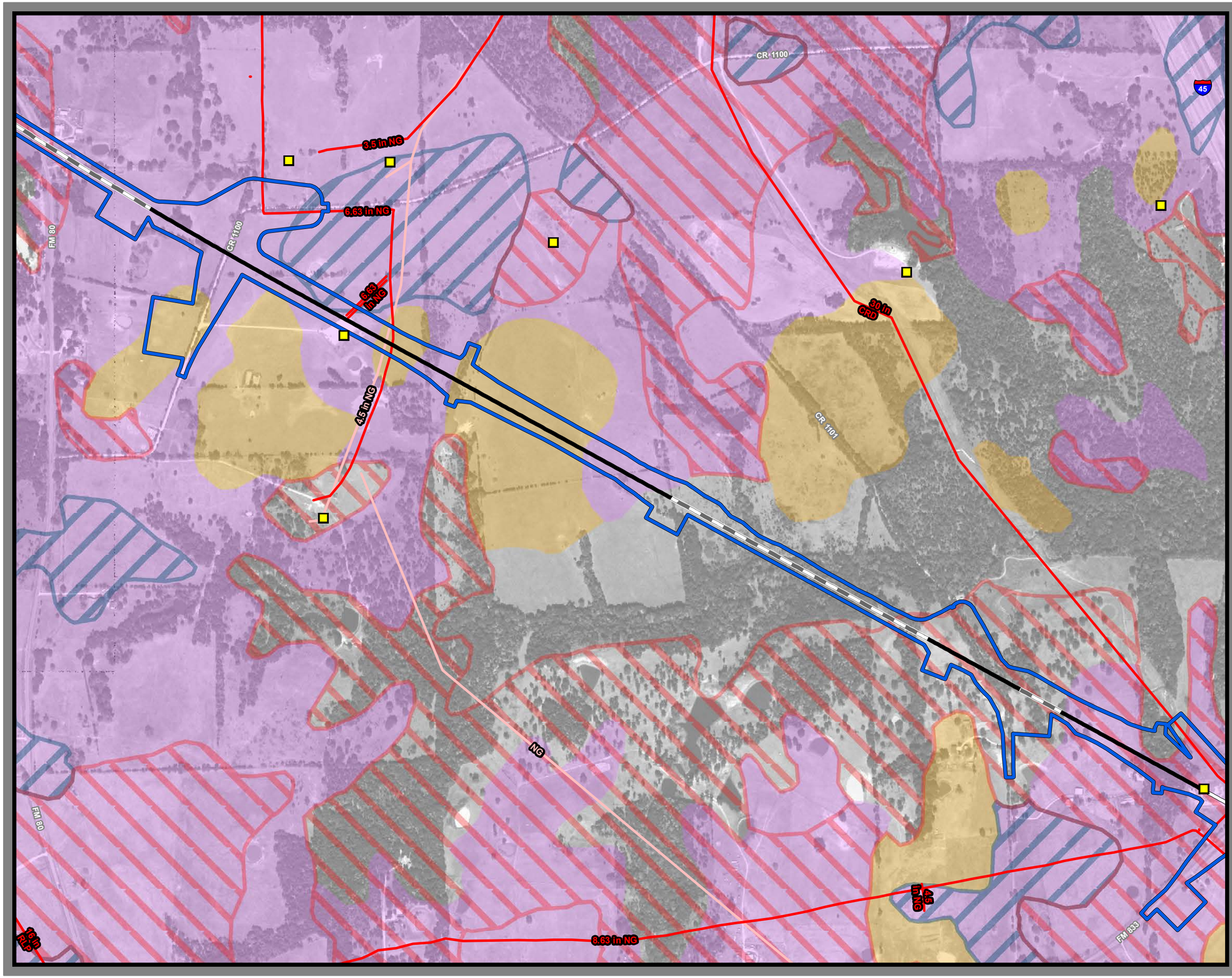

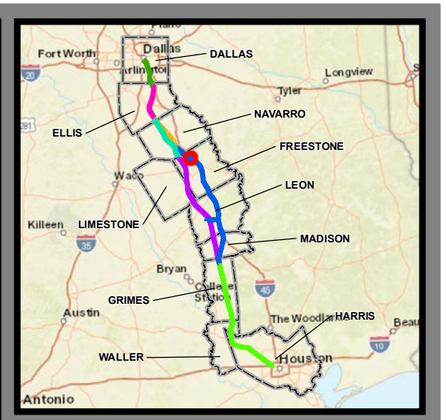

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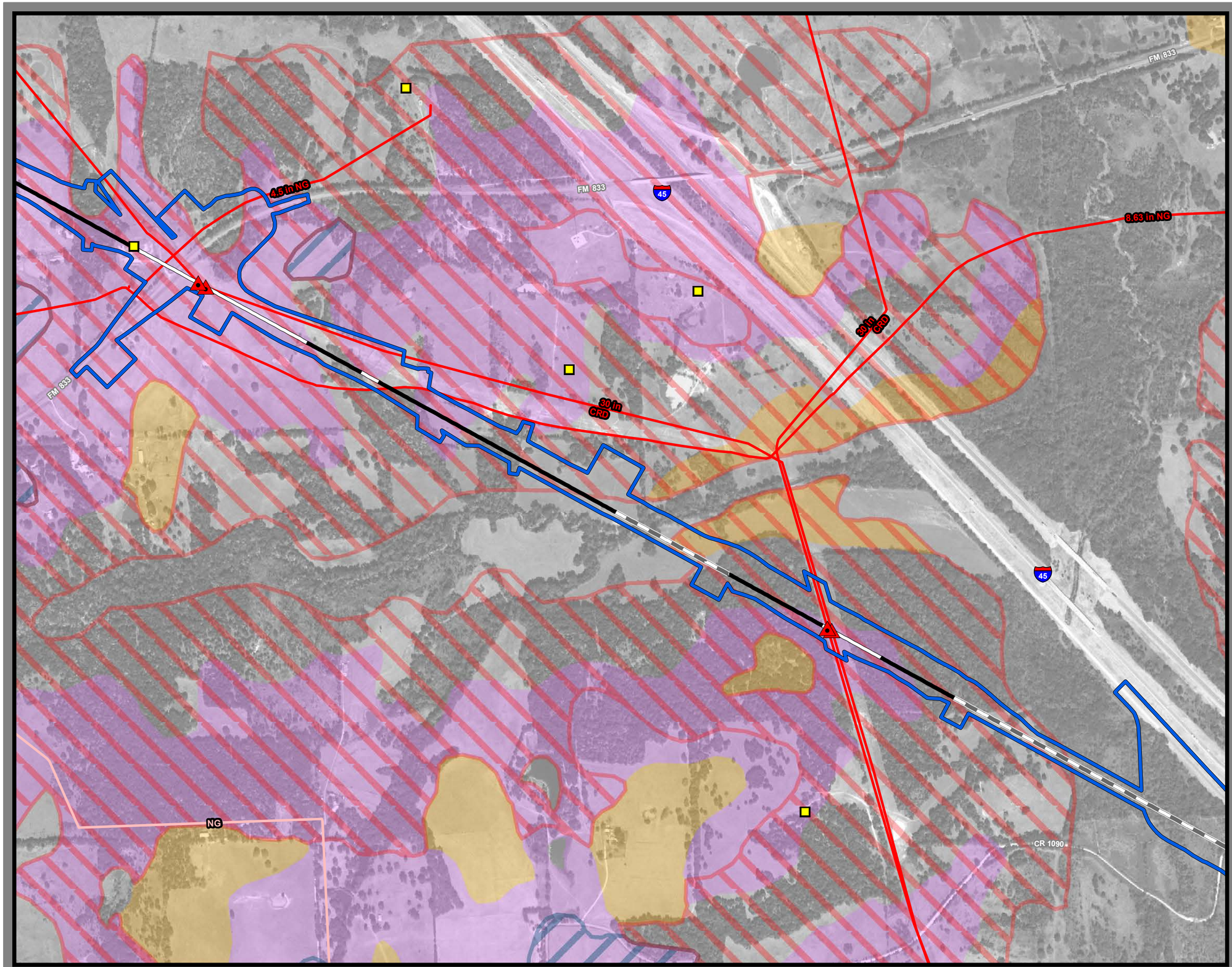

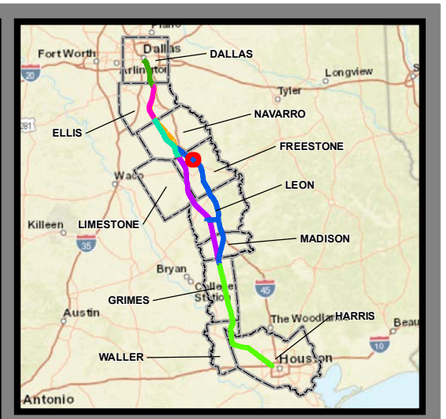

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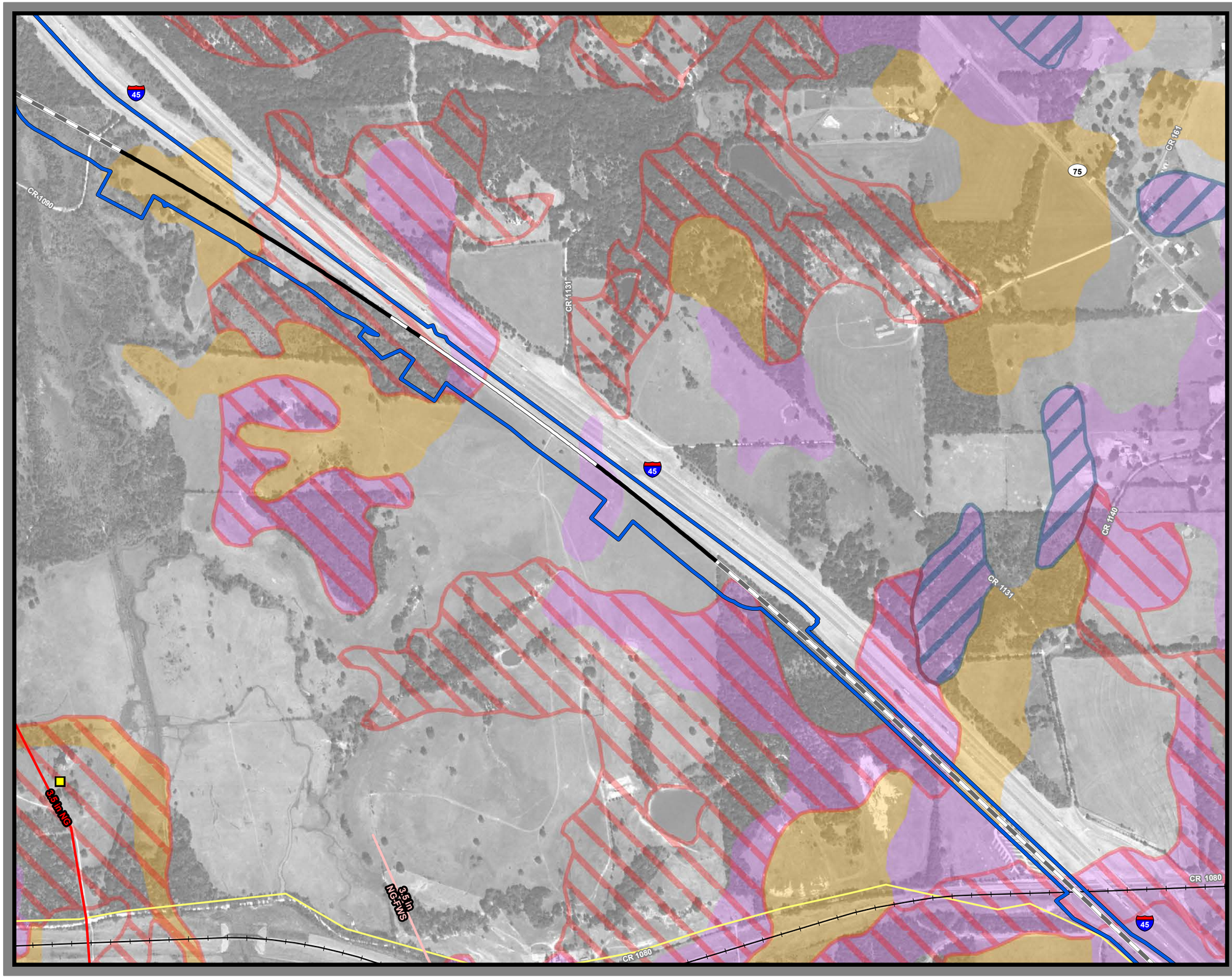

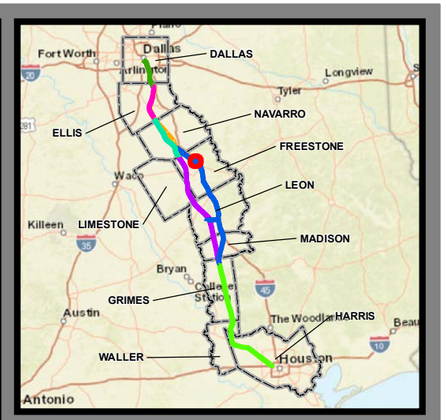

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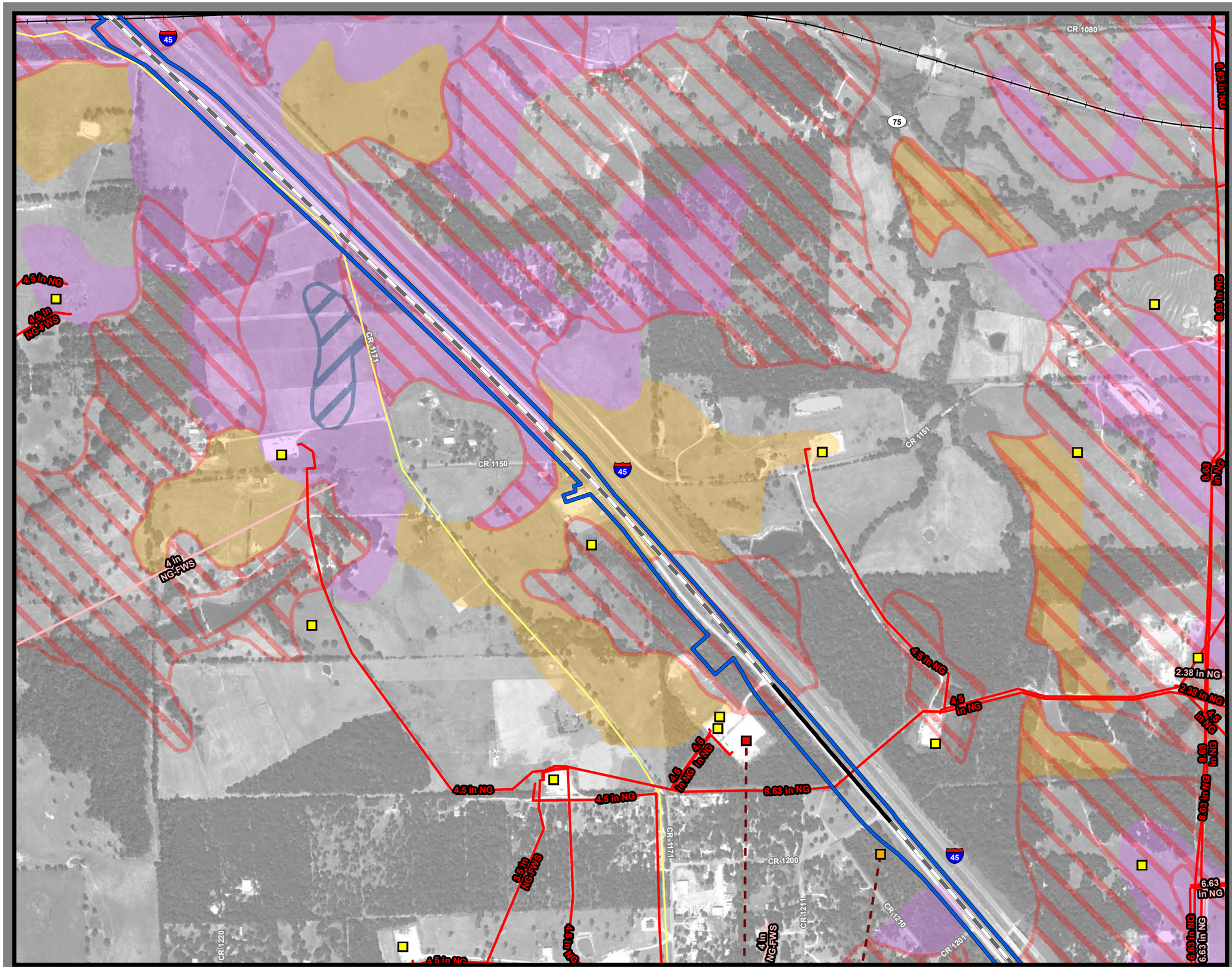

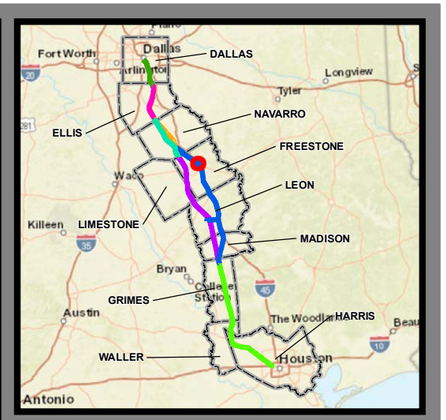

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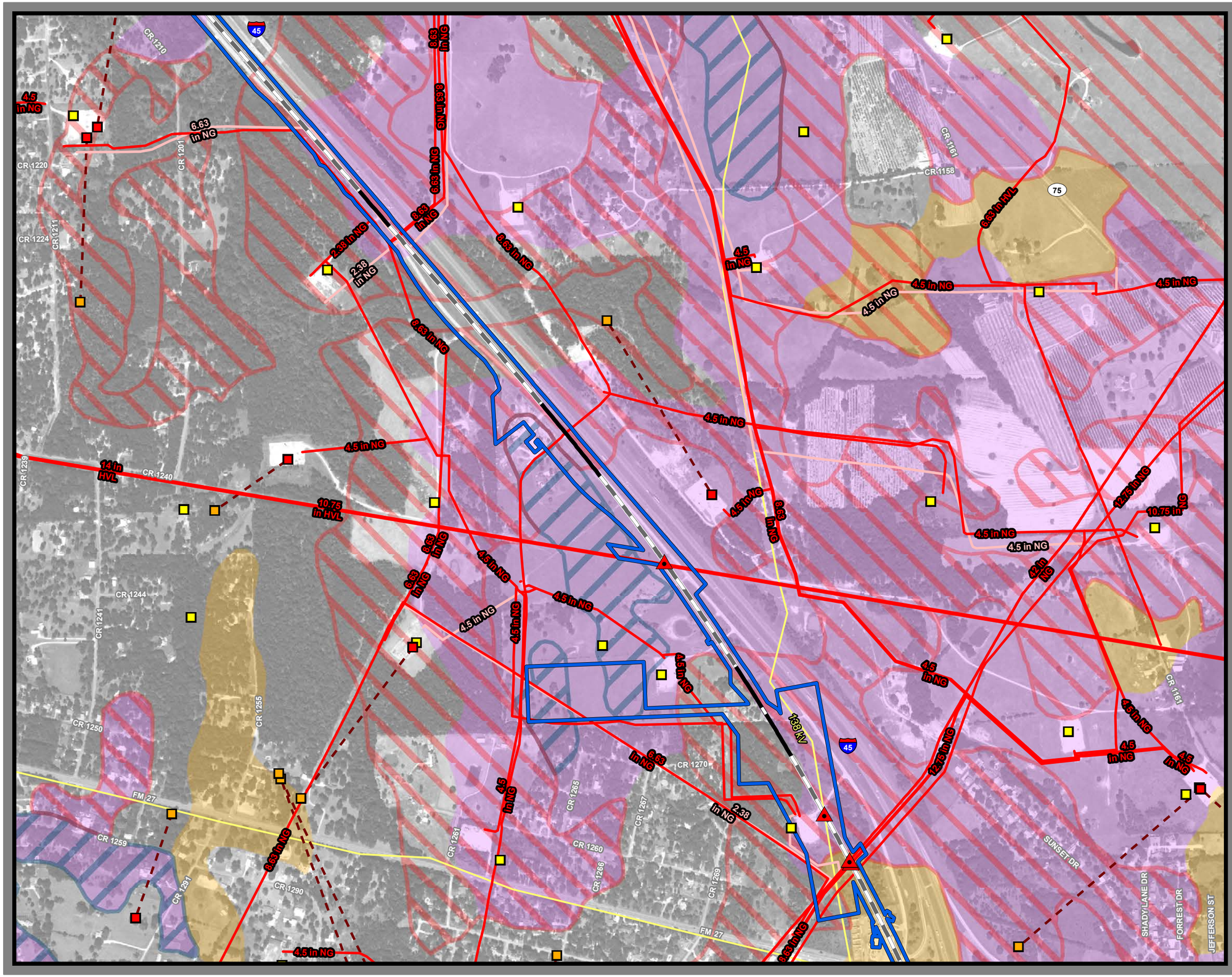

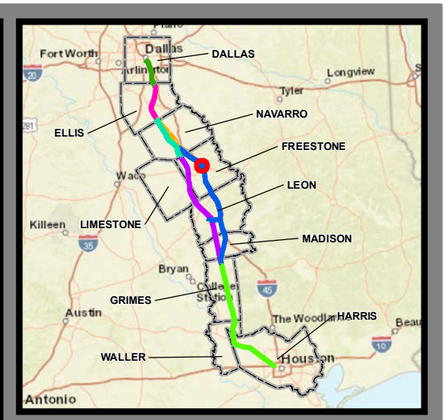

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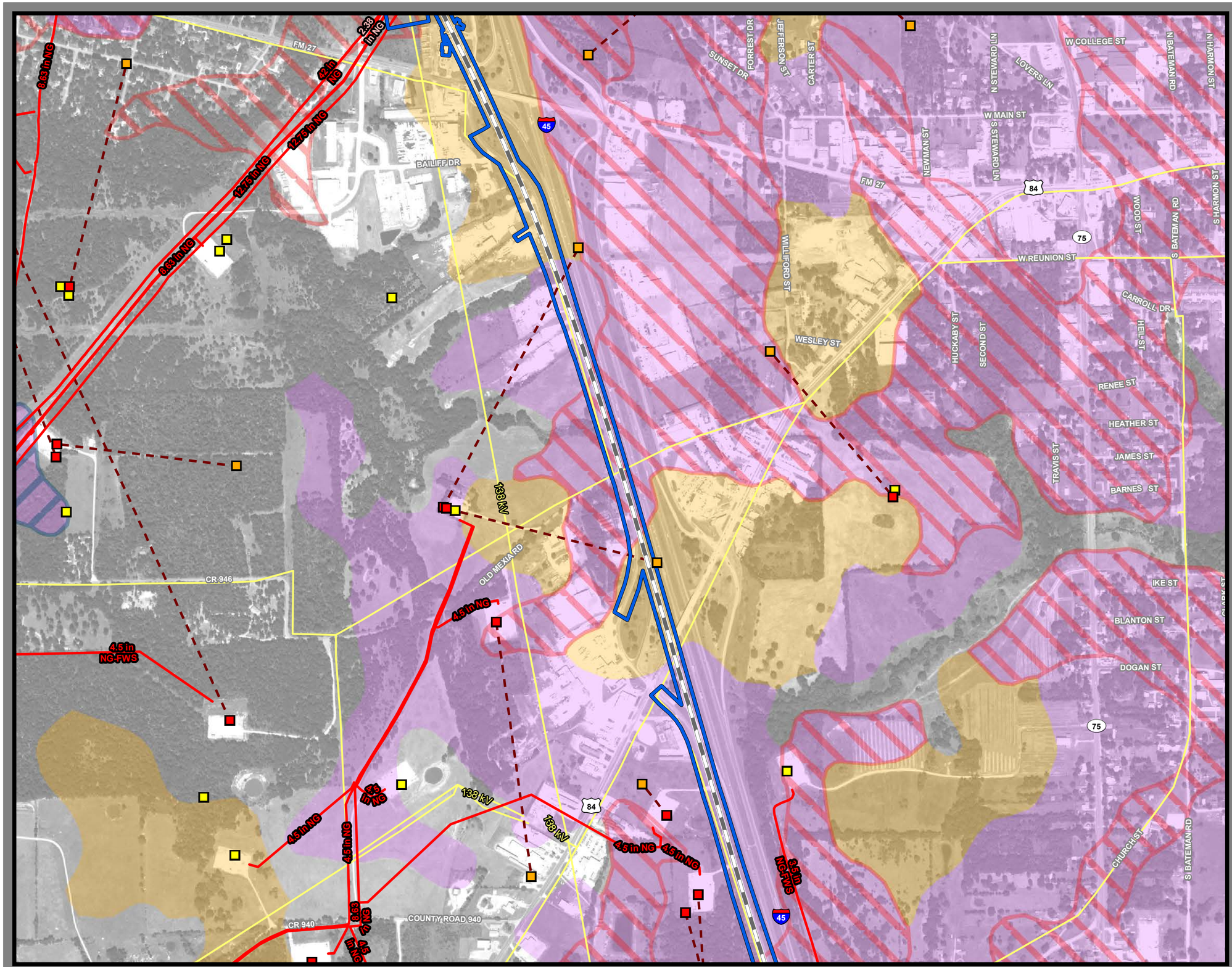

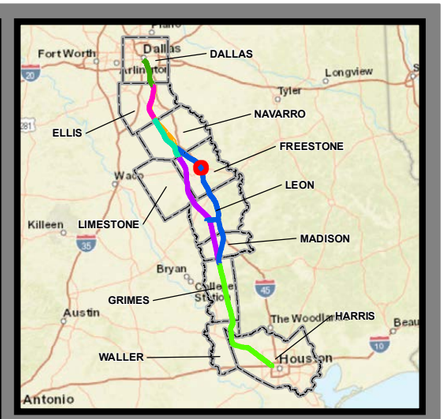

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- Prime Farmland if Drained

Abbreviated Pipeline Labels:
CRD - Crude Oil; NG - Natural Gas; NG-FWS - Natural Gas FWS; HVL - Highly Volatile Liquid; RLP - Refined Liquid Product

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2018; Mines - USGS 2003; Electric Transmission Lines - Rextag 2018; Oil/Gas Wells, Pipelines - TxRRC 2018; Roads - TxDOT 2018, Railroads - TxDOT 2015; Utility Crossings - ARUP 2019; ESRI Street Map

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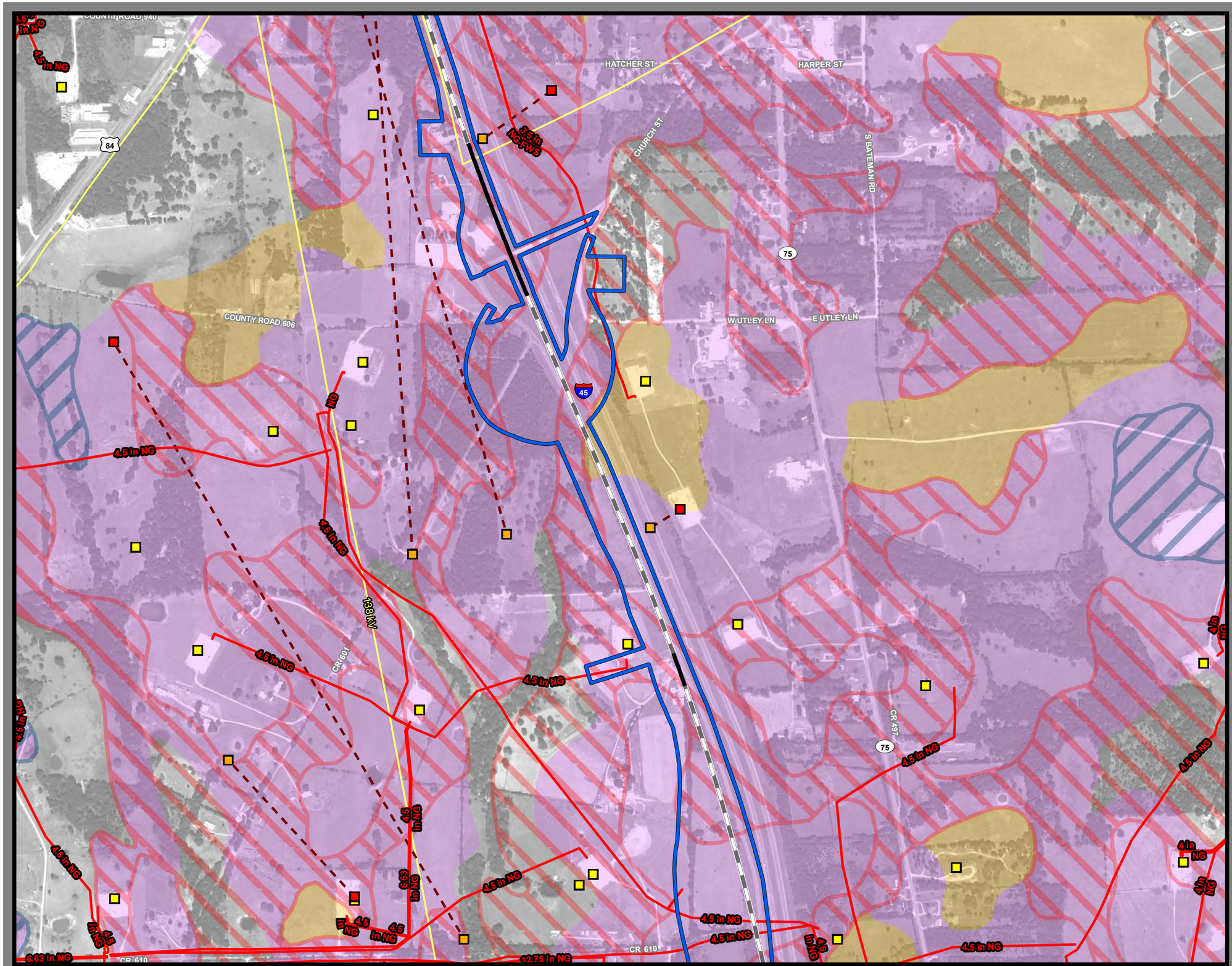
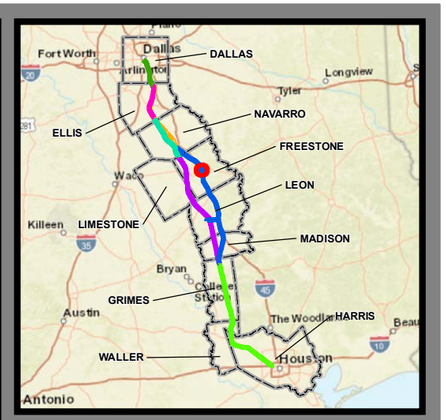
Aerial Imagery: USDA NAIP 2016

1 inch = 800 feet
Feet
0 200 400 800

N W E S





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Legend

Limits of Disturbance
- Segment 1
- Segment 2A
- Segment 2B
- Segment 3A
- Segment 3B
- Segment 3C
- Segment 4
- Segment 5

Track Configuration
- Viaduct
- Embankment
- Cut
- County Boundary
- Railroad
- Faults

Utilities
- Mine
- Utility Crossing
- Electric Transmission Line

Oil/Gas Wells
- Vertical
- Directional: Surface
- Directional: Bottom
- Directional Well Line

Oil/Gas Pipelines
- Active
- Abandoned

Soils
- Highly Erosive
- Hydric
- Prime Farmland
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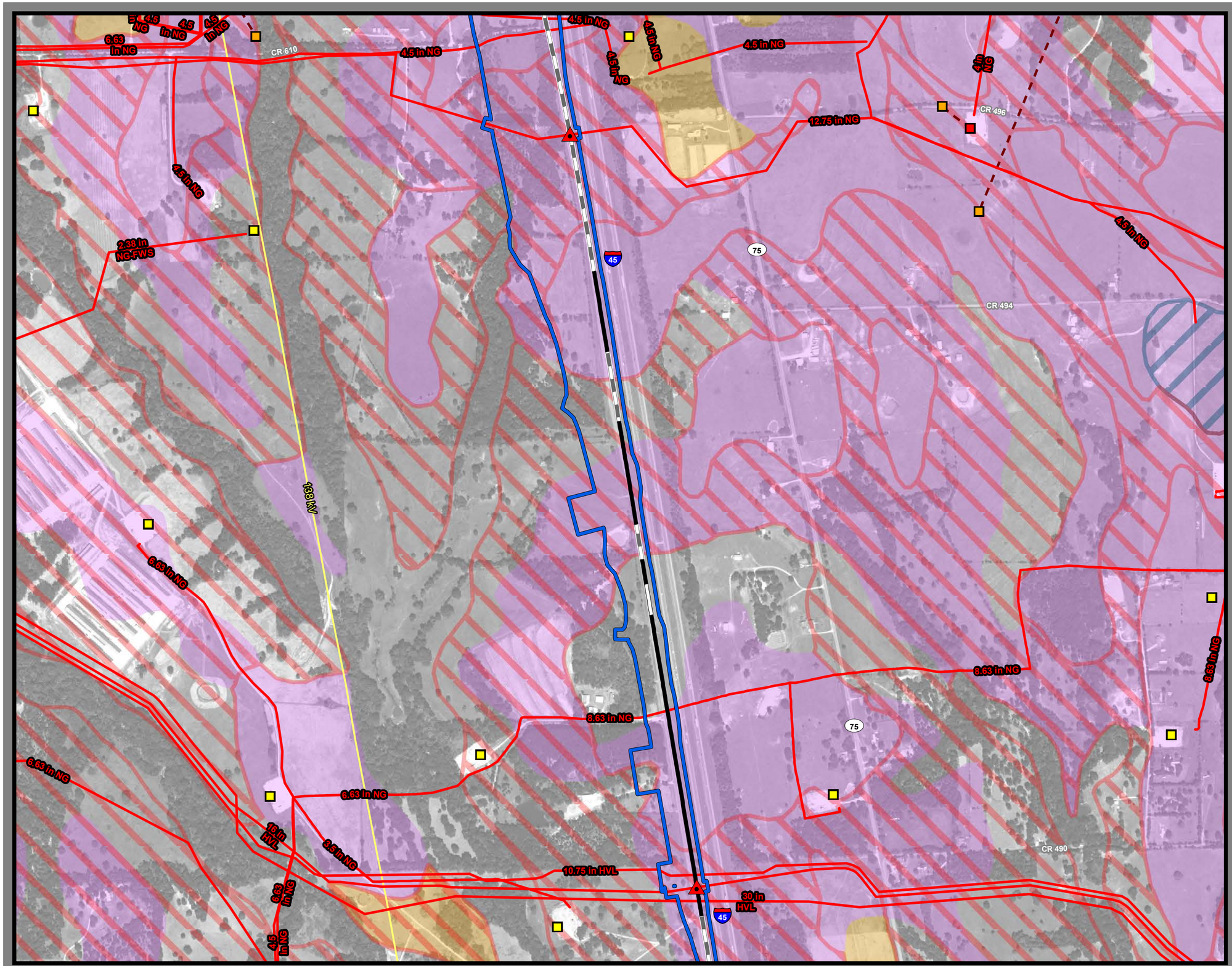

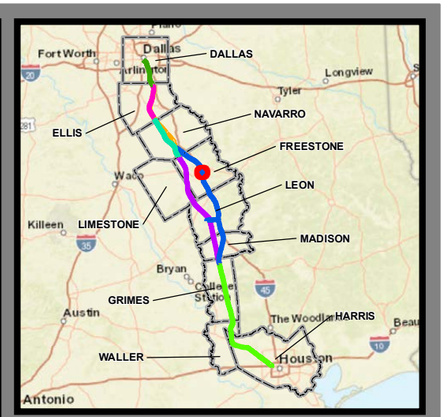

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