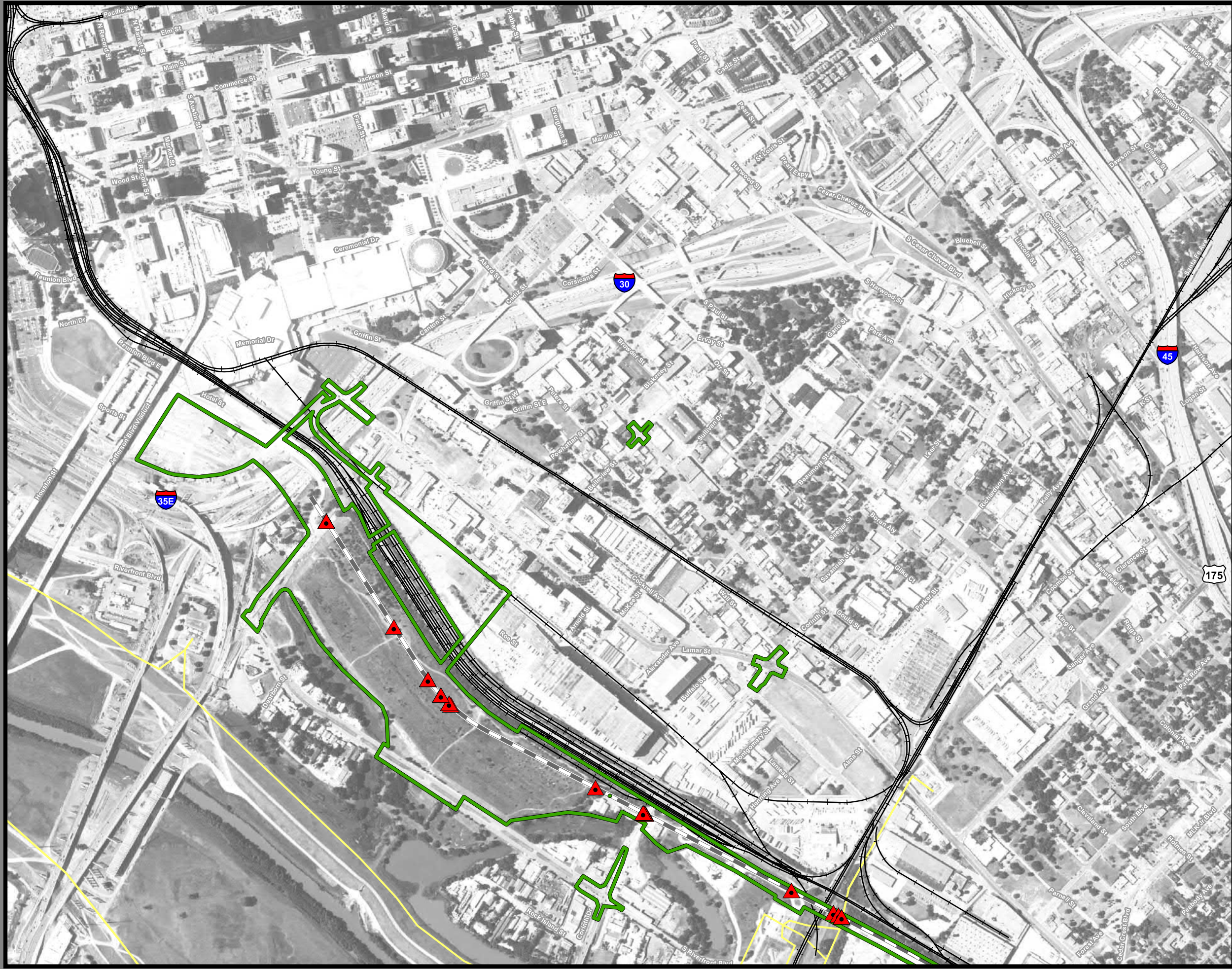


**Dallas to Houston High-Speed Rail
Draft Environmental Impact Statement**

**Appendix D:
Mineral and Utility Resources
Mapbook Set 1 of 3**



**Federal Railroad
Administration**



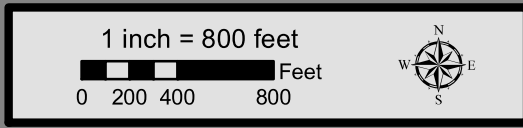
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1, Dallas Terminal
Sheet 1 of 257**

Legend

Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydric
	Prime Farmland
	Farmland of Statewide Importance
	Prime Farmland if Drained

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





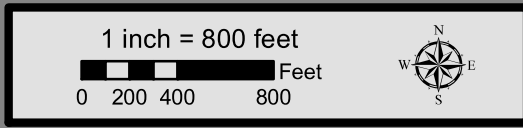
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
Sheet 2 of 257**

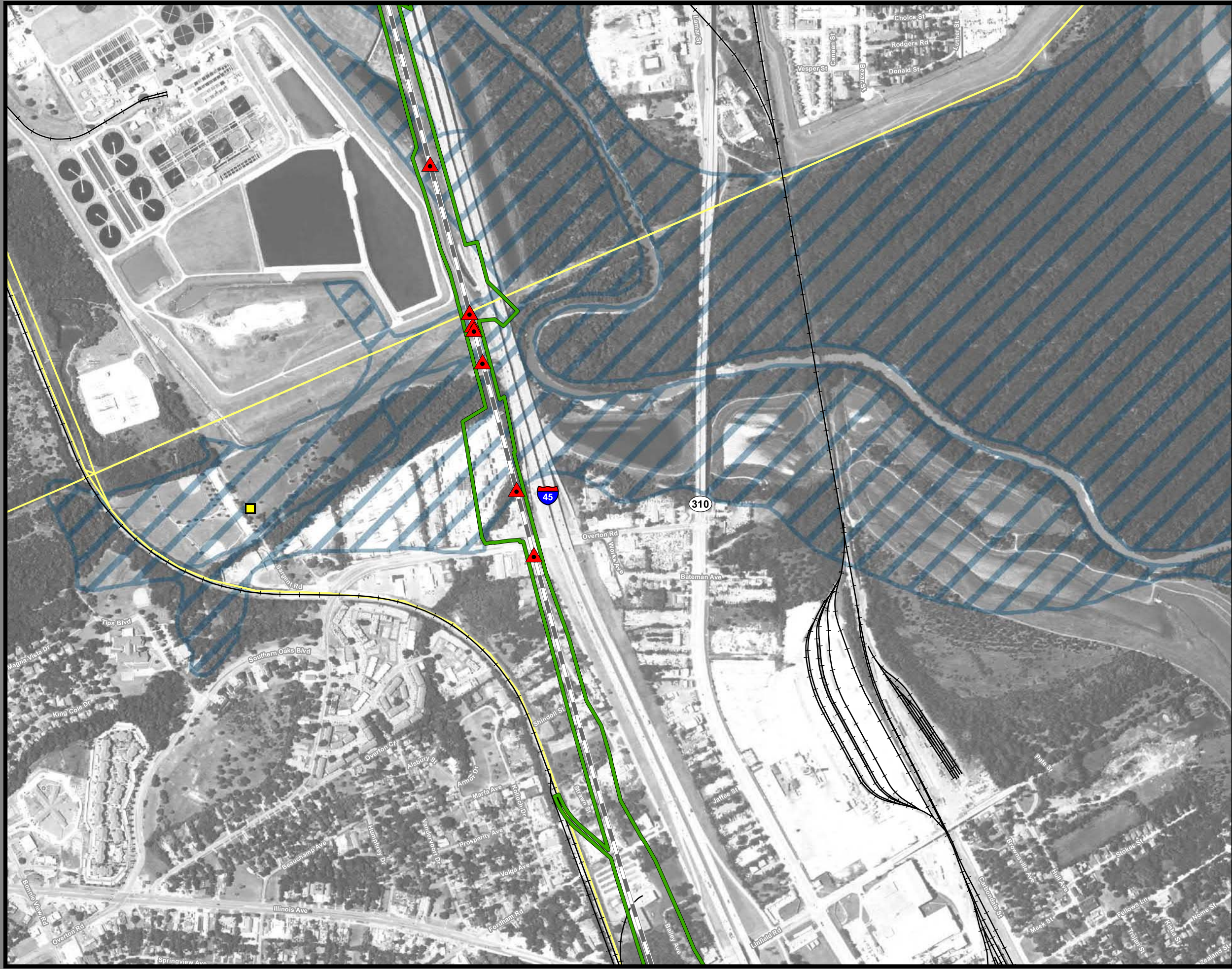
Legend

Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydric
	Prime Farmland
	Farmland of Statewide Importance
	Prime Farmland if Drained

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Aerial Imagery: USDA NAIP 2014





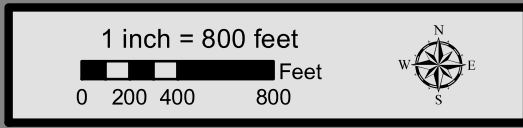
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
Sheet 3 of 257**

Legend

Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
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	Prime Farmland if Drained

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Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





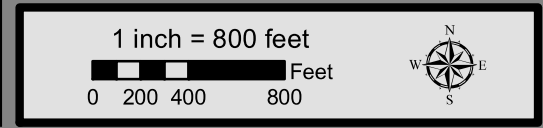
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
Sheet 4 of 257**

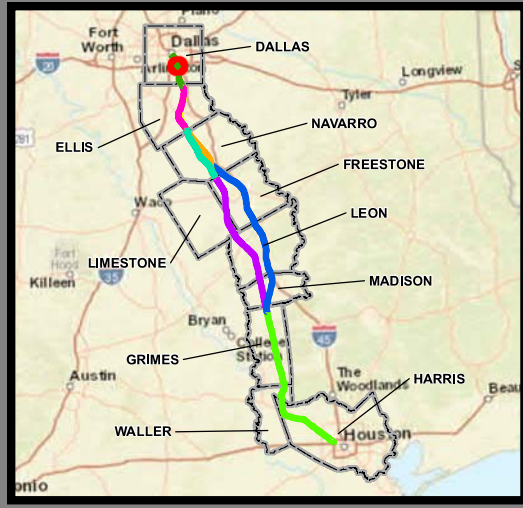
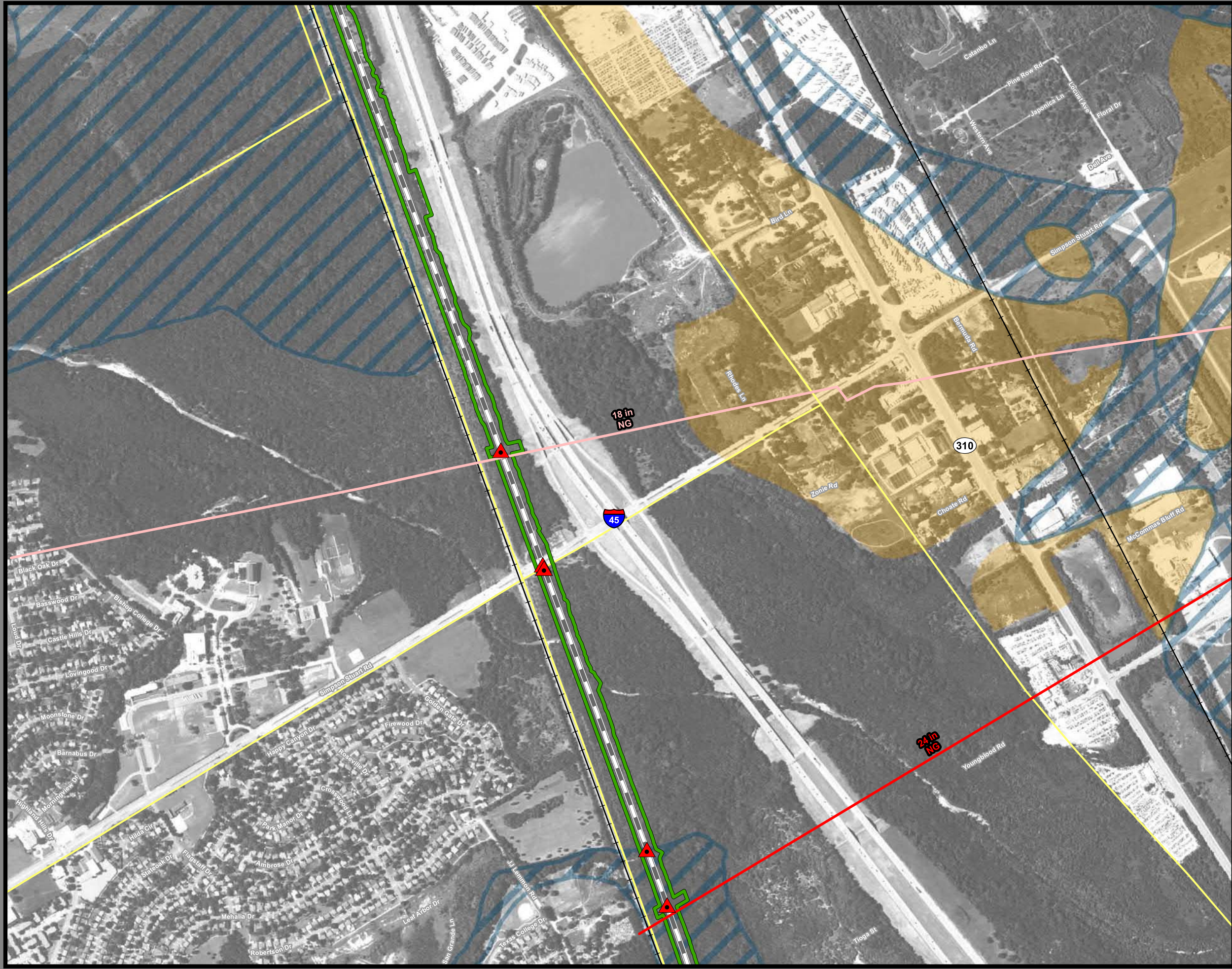
Legend

Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydric
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	Farmland of Statewide Importance
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Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





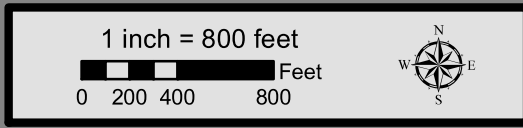
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
Sheet 5 of 257**

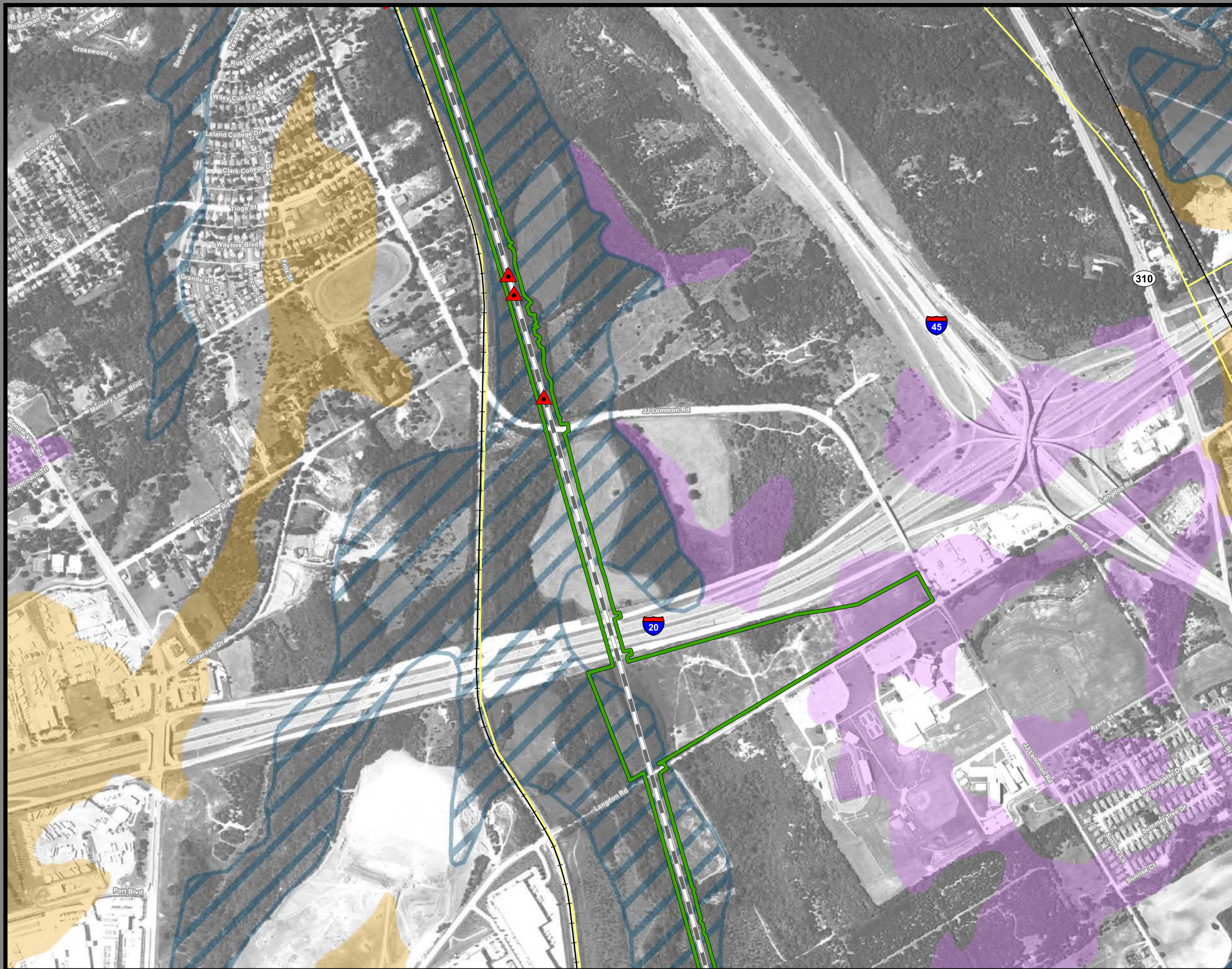
Legend

Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	Soils
County Boundary	Highly Erodible
Railroad	Hydric
Faults	Prime Farmland
	Farmland of Statewide Importance
	Prime Farmland if Drained

Abbreviated Pipeline Labels:
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Aerial Imagery: USDA NAIP 2014





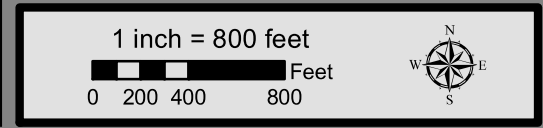
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
Sheet 6 of 257**

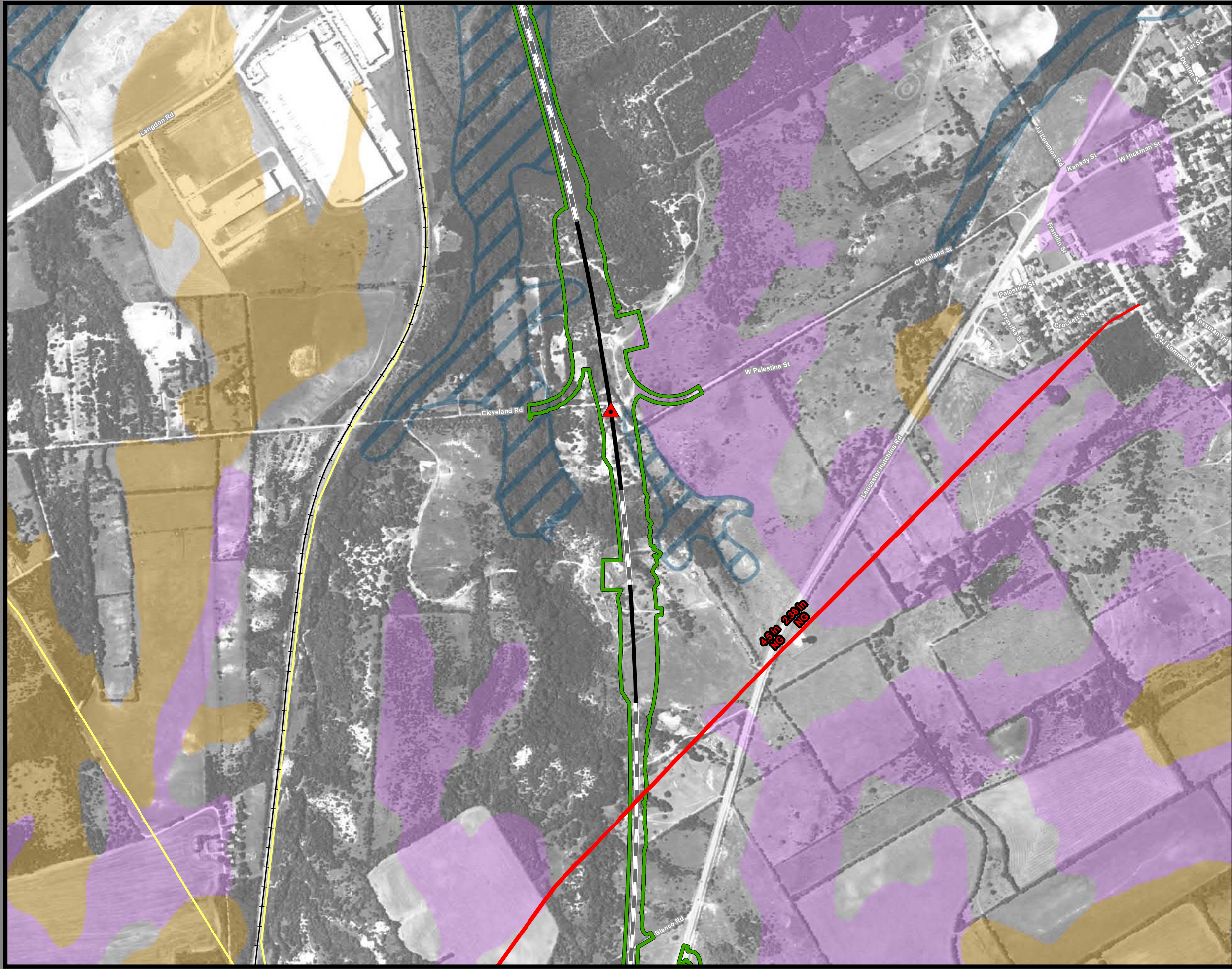
Legend

Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydric
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Aerial Imagery: USDA NAIP 2014





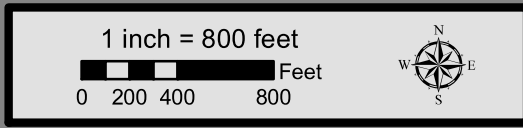
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
Sheet 7 of 257**

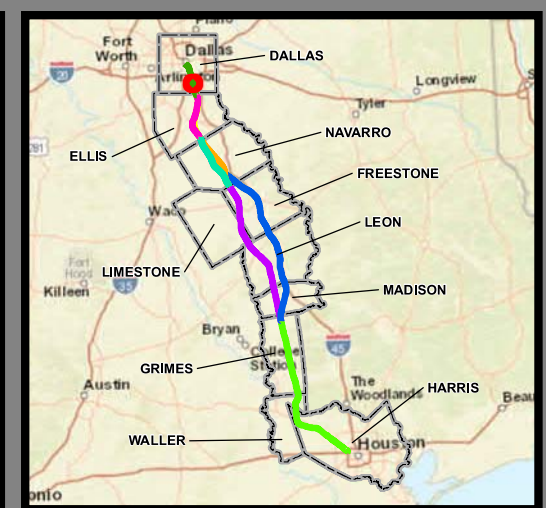
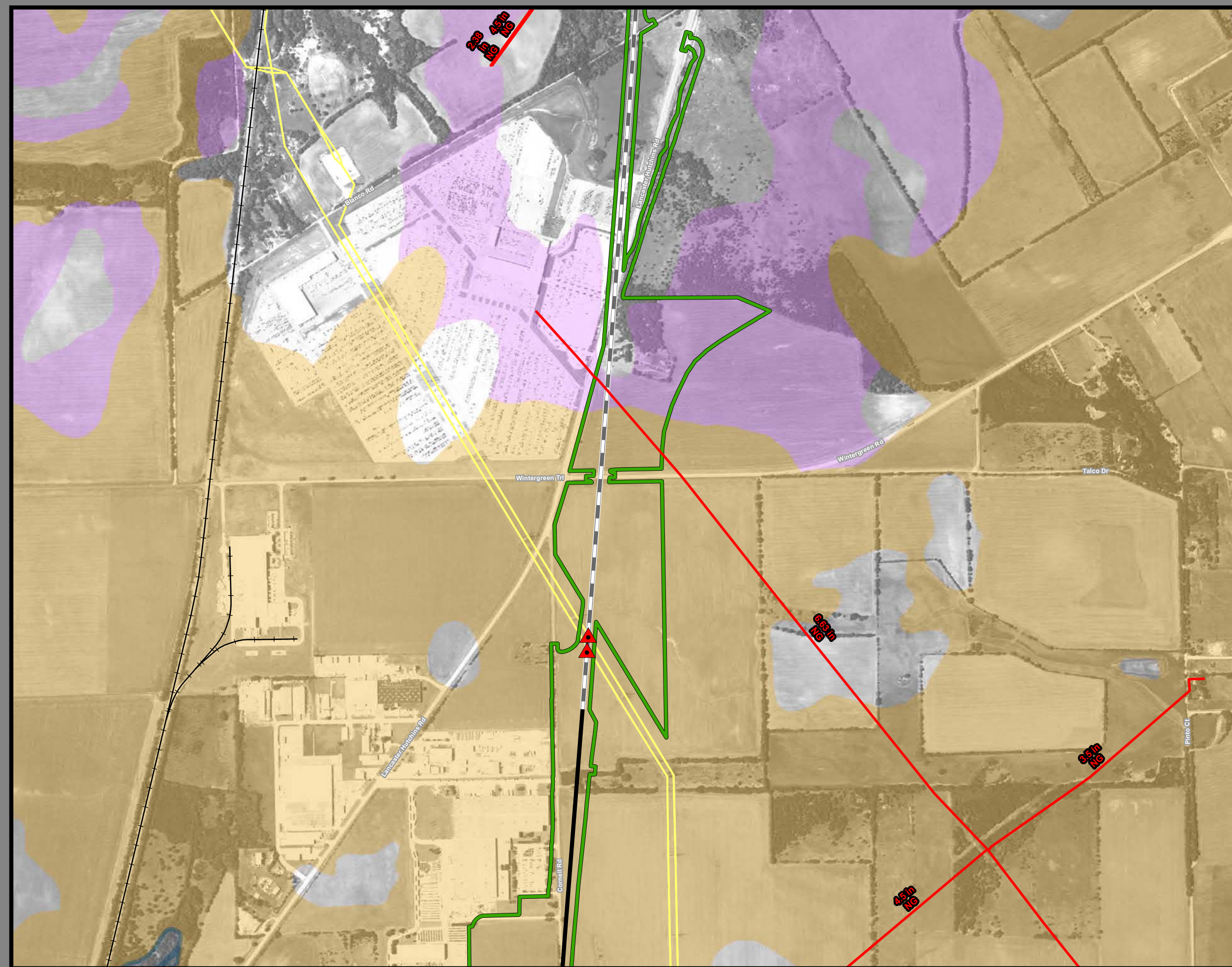
Legend

Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydric
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	Prime Farmland if Drained

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Aerial Imagery: USDA NAIP 2014





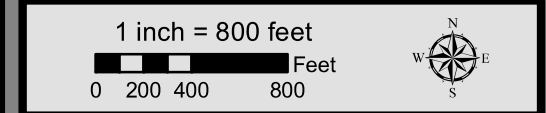
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
Sheet 8 of 257**

Legend

Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
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Aerial Imagery: USDA NAIP 2014





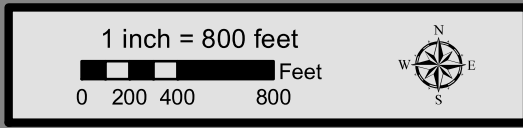
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
Sheet 9 of 257**

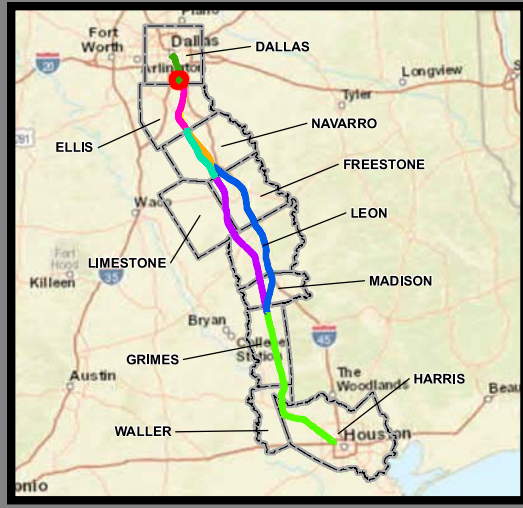
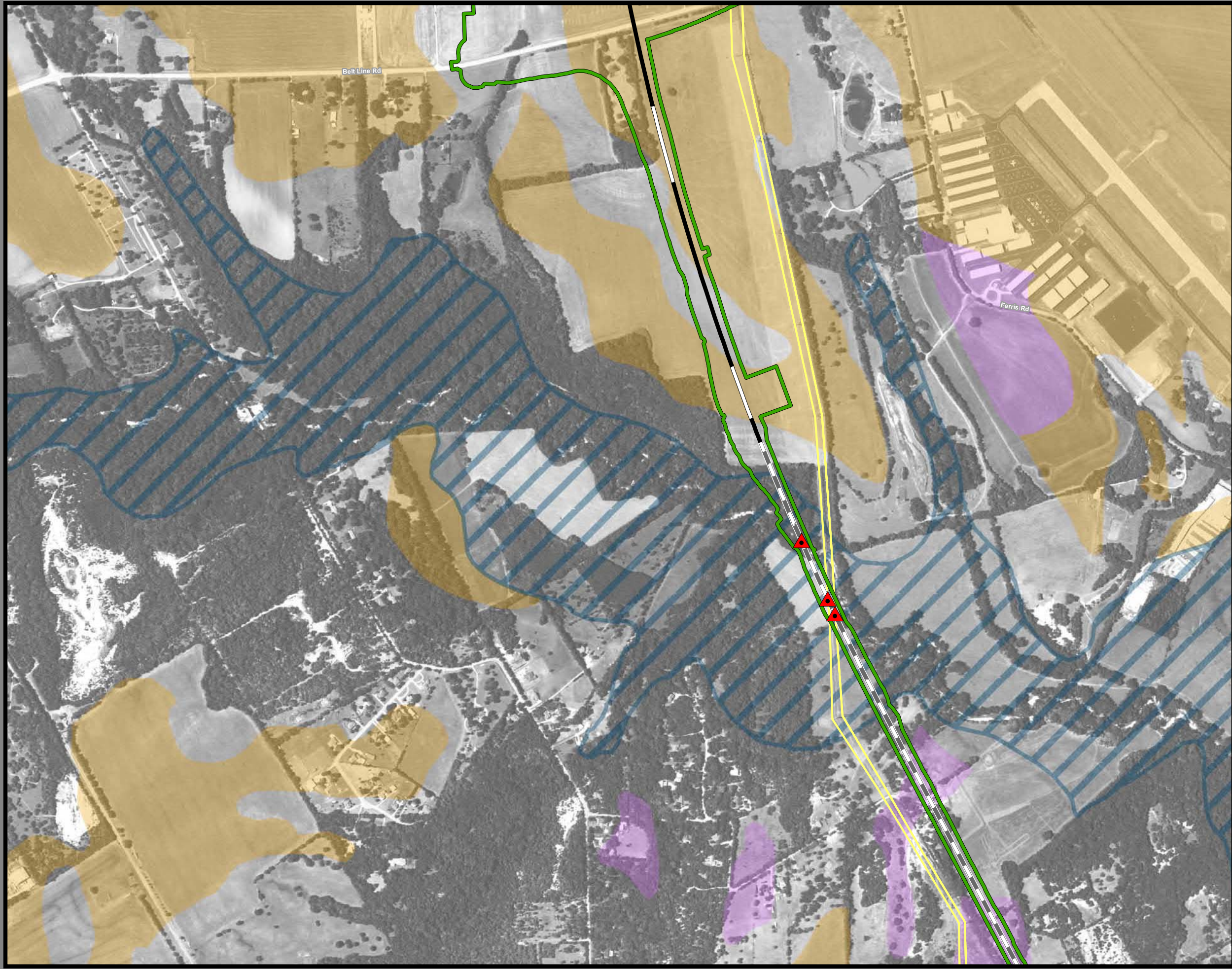
Legend

Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	Soils
County Boundary	Highly Erodible
Railroad	Hydric
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Aerial Imagery: USDA NAIP 2014





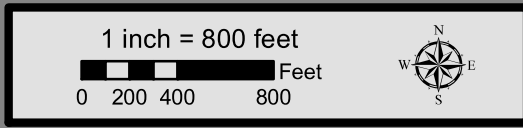
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 1
Sheet 10 of 257**

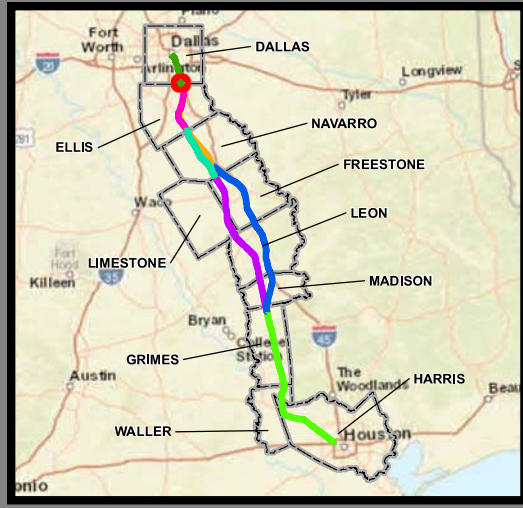
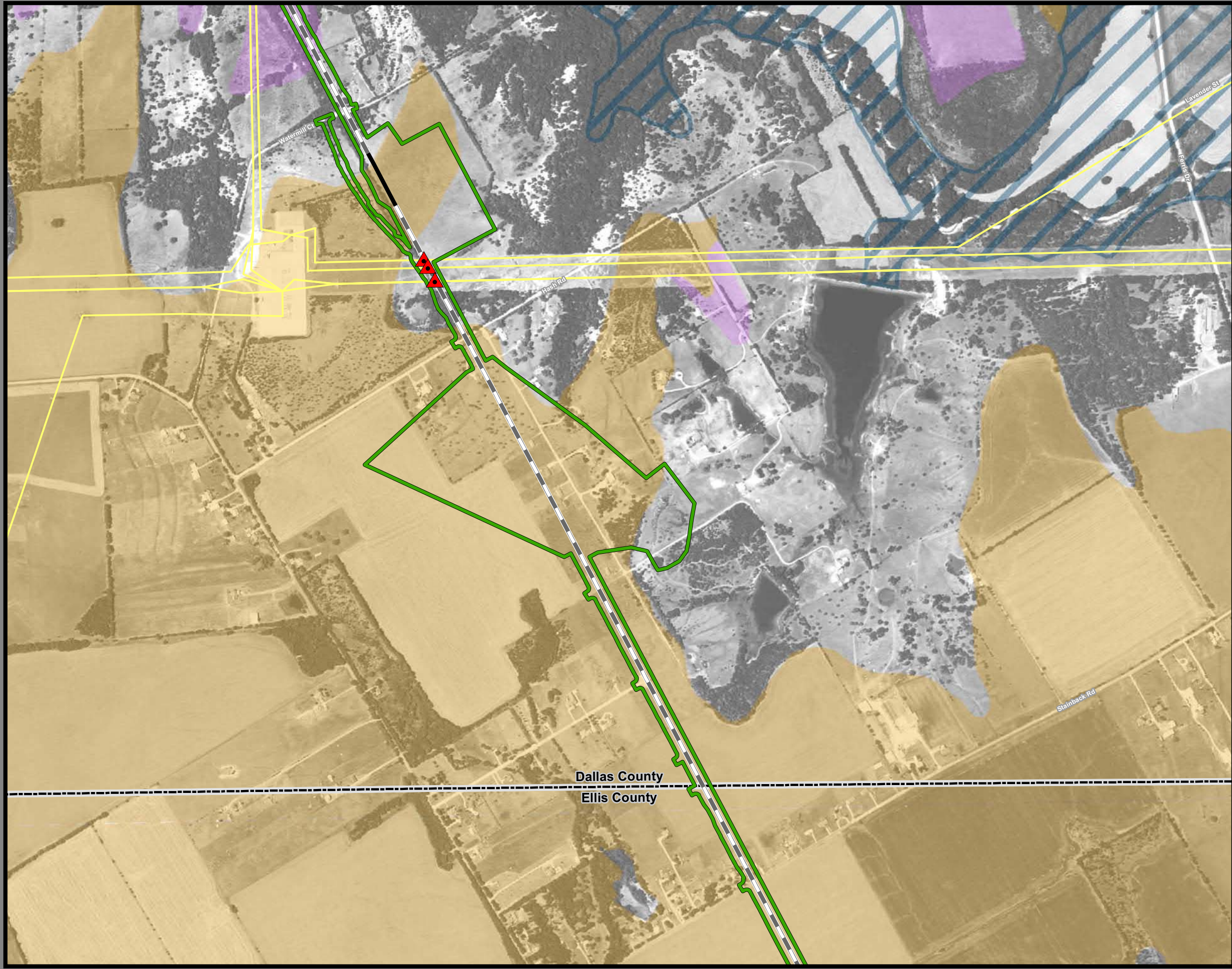
Legend

Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	Soils
County Boundary	Highly Erodible
Railroad	Hydric
Faults	Prime Farmland
	Farmland of Statewide Importance
	Prime Farmland if Drained

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Aerial Imagery: USDA NAIP 2014





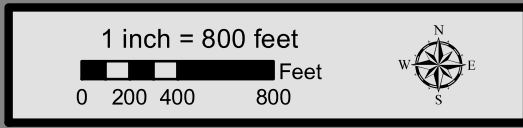
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment
Sheet 11 of 257**

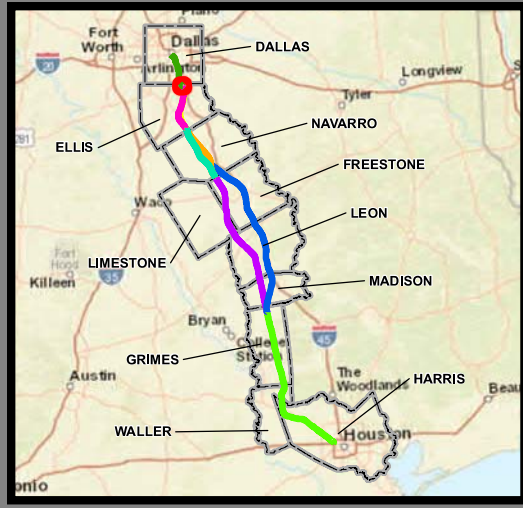
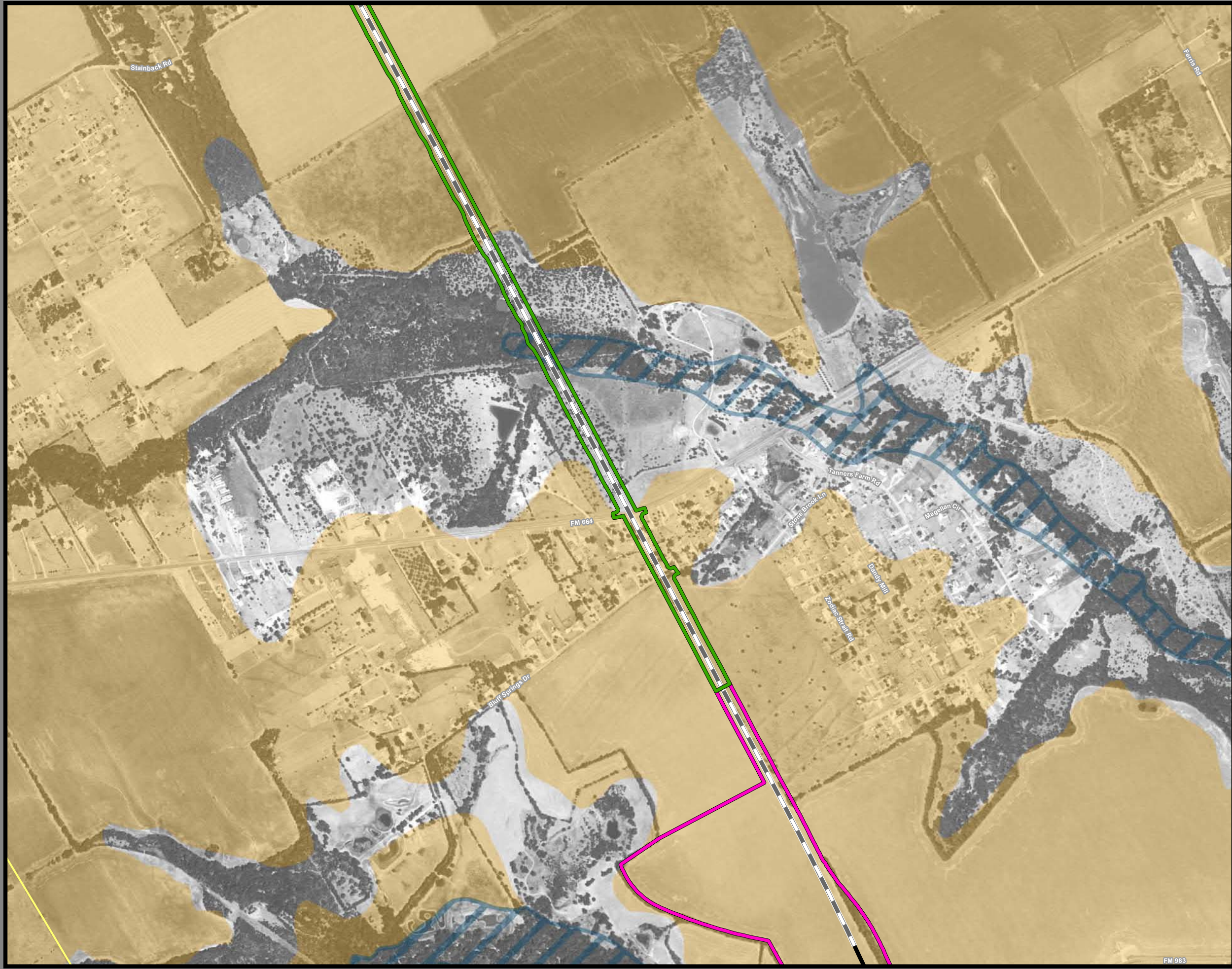
Legend

Limits of Disturbance	Utilities
Segment 1 (Green outline)	Mine (Blue circle)
Segment 2A (Pink outline)	Utility Crossing (Red triangle)
Segment 2B (Yellow outline)	Electric Transmission Line (Yellow line)
Segment 3A (Cyan outline)	Oil/Gas Wells
Segment 3B (Orange outline)	Vertical (Yellow square)
Segment 3C (Blue outline)	Directional: Surface (Red square)
Segment 4 (Purple outline)	Directional: Bottom (Orange square)
Segment 5 (Green outline)	Directional Well Lines (Red dashed line)
Track Configuration	Oil/Gas Pipelines
Viaduct (Grey dashed line)	Active (Red line)
Embankment (Black solid line)	Abandoned (Pink line)
Cut (White solid line)	Soils
County Boundary (Dashed line)	Highly Erodible (Pink hatched)
Railroad (Black line with cross-ticks)	Hydric (Blue hatched)
Faults (Orange line)	Prime Farmland (Yellow)
	Farmland of Statewide Importance (Purple)
	Prime Farmland if Drained (Cyan)

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 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

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Aerial Imagery: USDA NAIP 2014





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

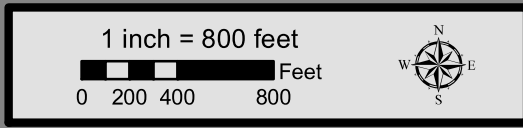
Legend

Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	Soils
County Boundary	Highly Erodible
Railroad	Hydric
Faults	Prime Farmland
	Farmland of Statewide Importance
	Prime Farmland if Drained

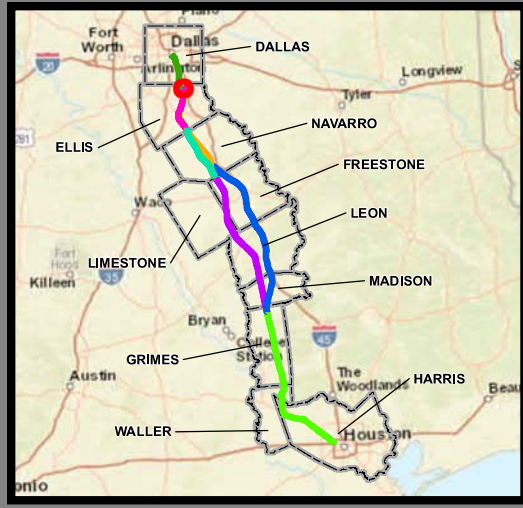
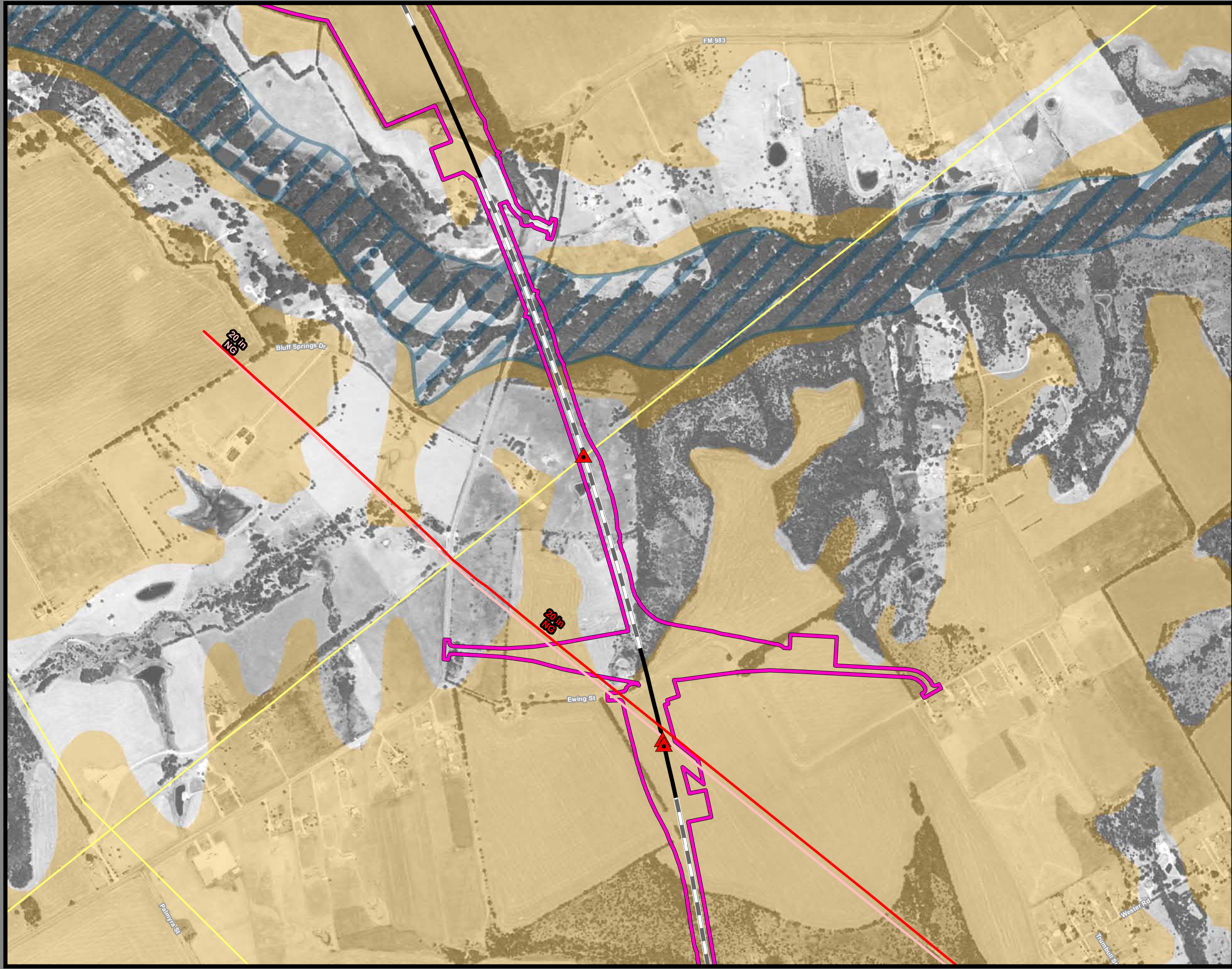
This Sheet only depicts Segment 2A; Segment 2B is also located in this same area and can be referenced on Sheet 28.

Abbreviated Pipeline Labels:
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Aerial Imagery: USDA NAIP 2014



FM 983



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

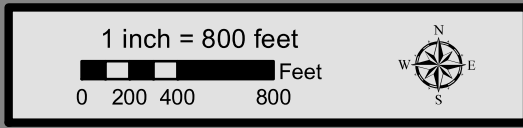
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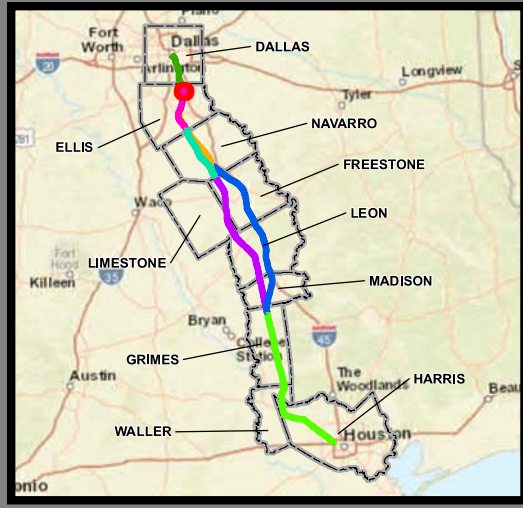
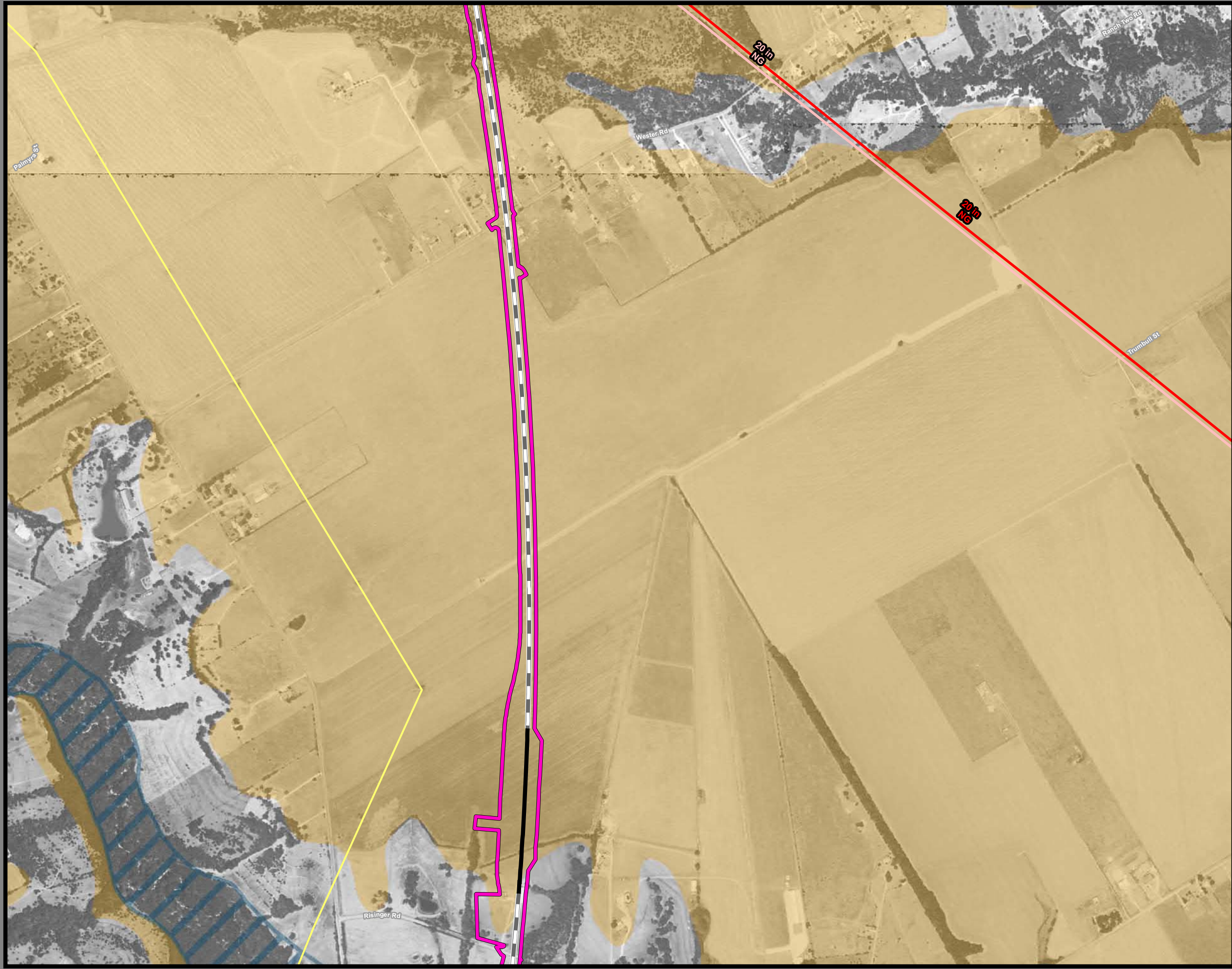
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	Soils
County Boundary	Highly Erodible
Railroad	Hydric
Faults	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 29.

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

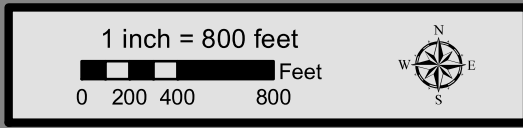
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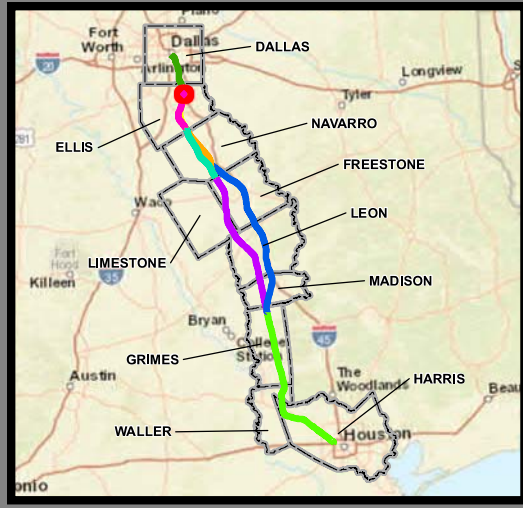
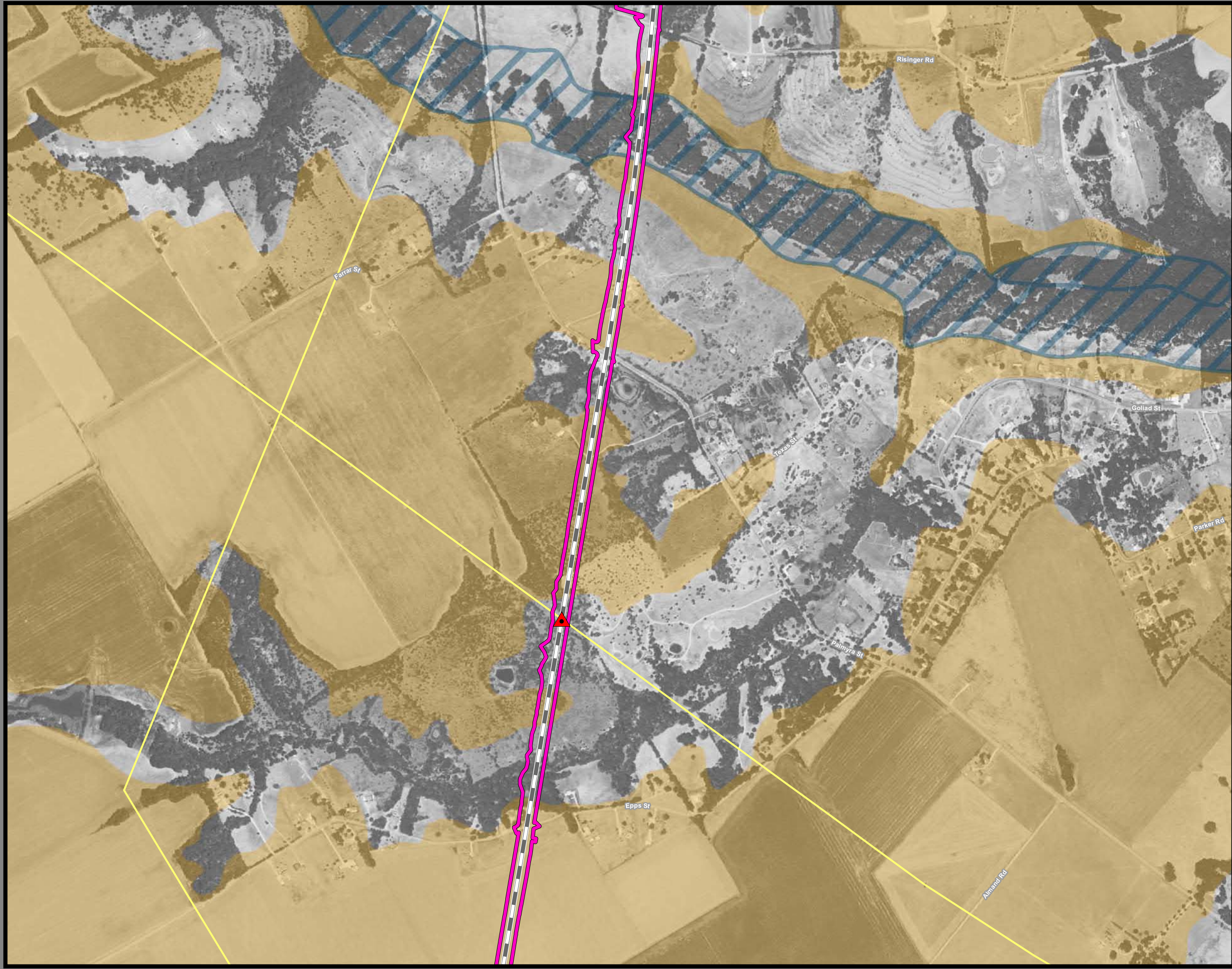
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	Soils
County Boundary	Highly Erodible
Railroad	Hydric
Faults	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 30.

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

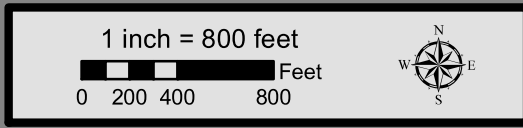
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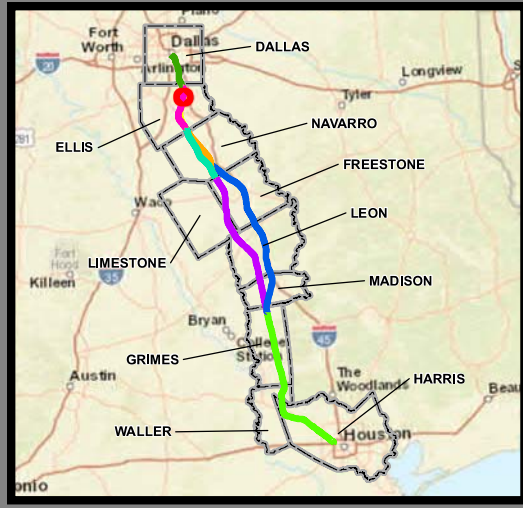
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	Soils
County Boundary	Highly Erodible
Railroad	Hydric
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

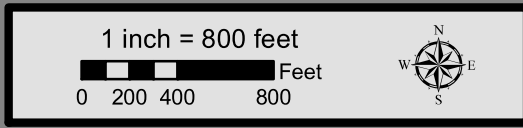
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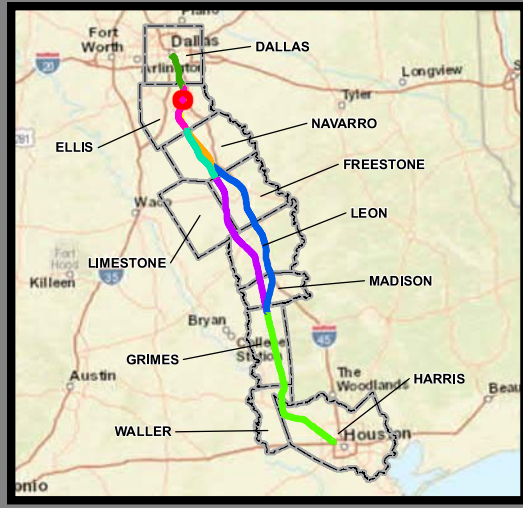
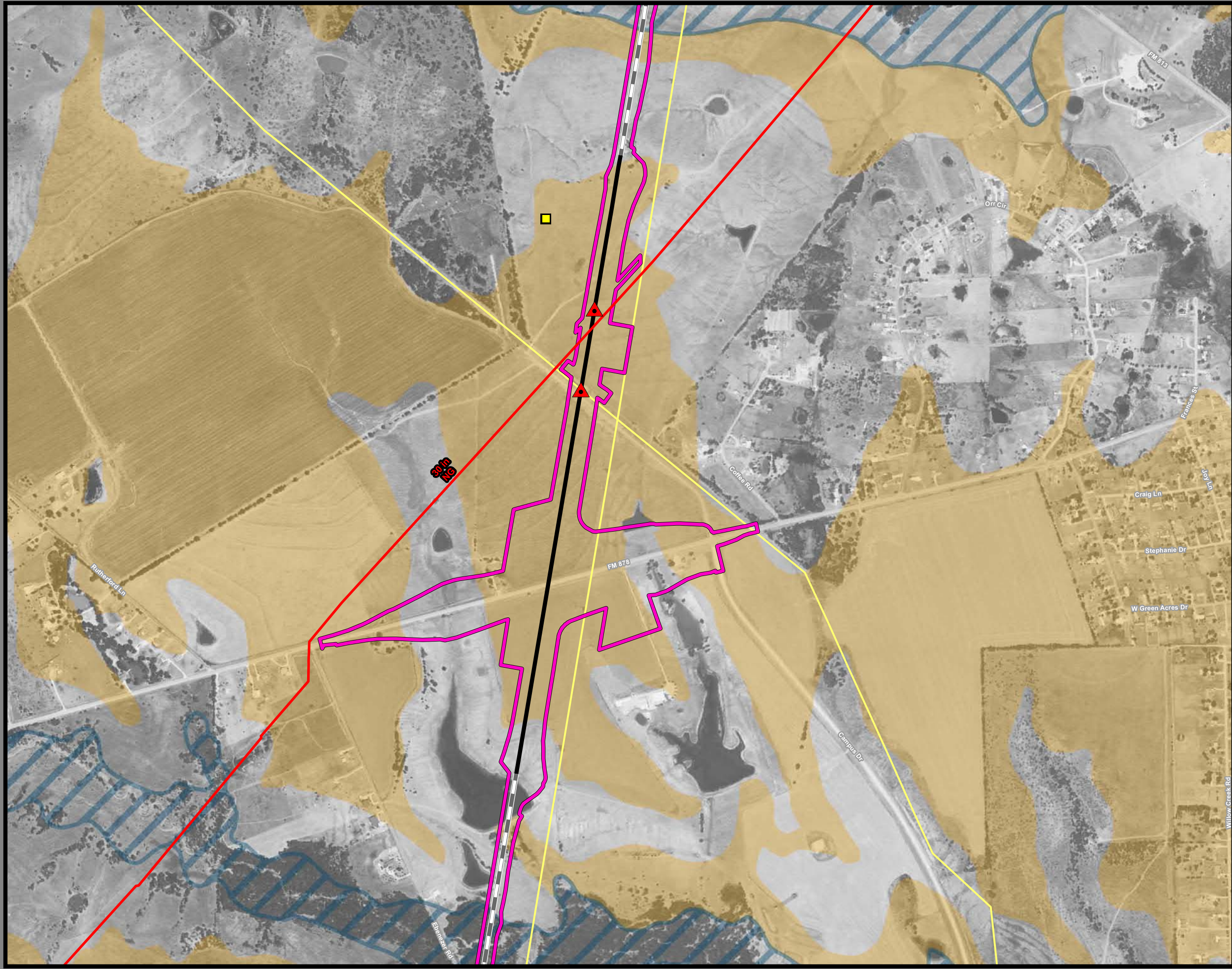
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

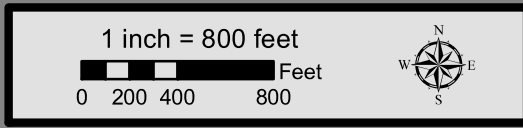
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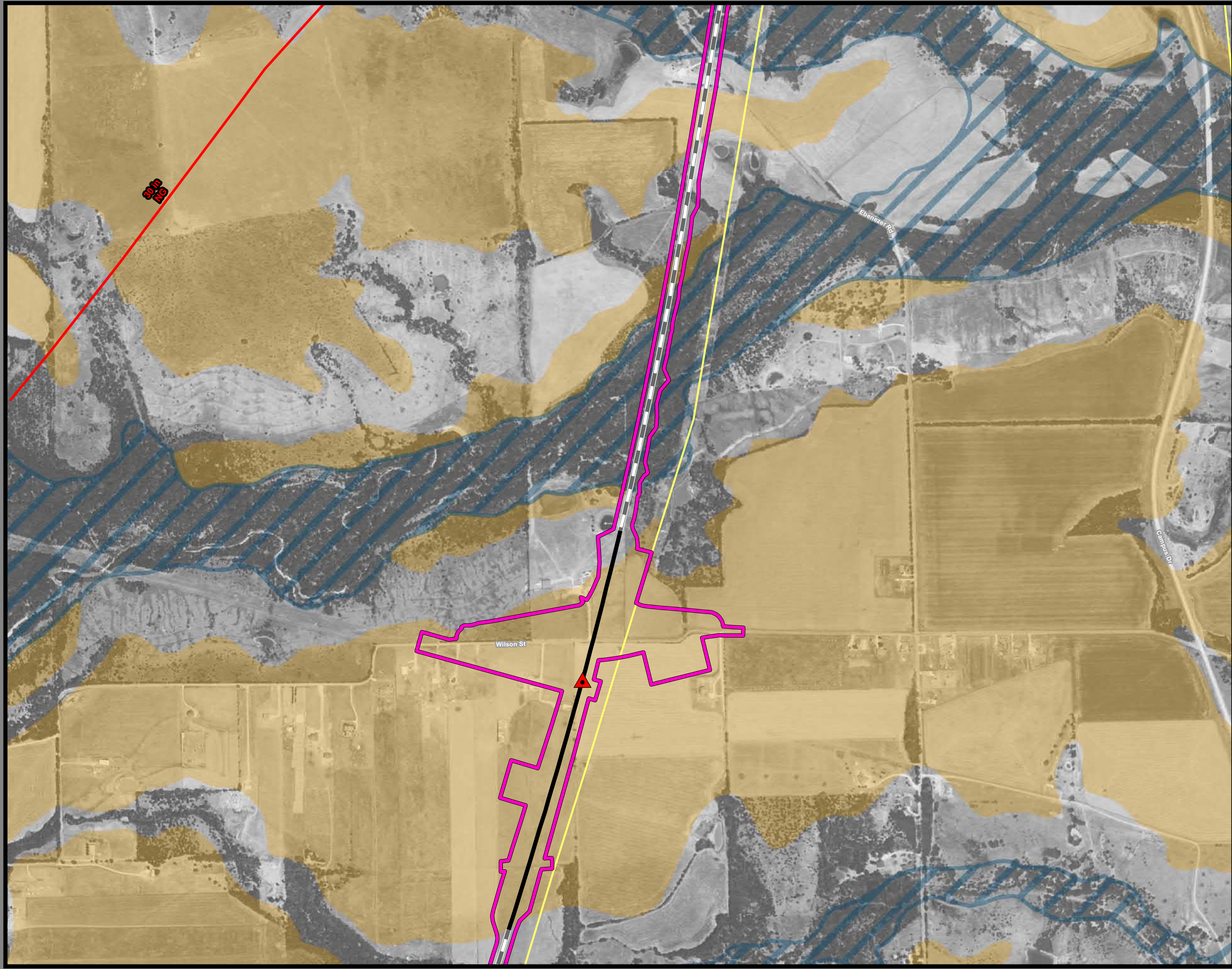
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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 33.

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

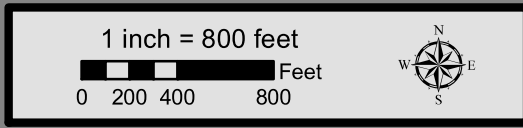
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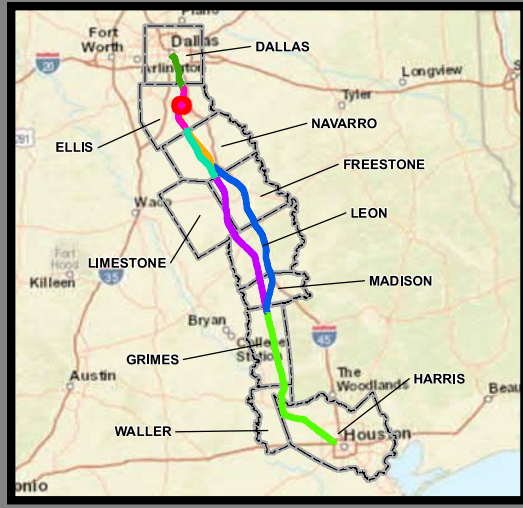
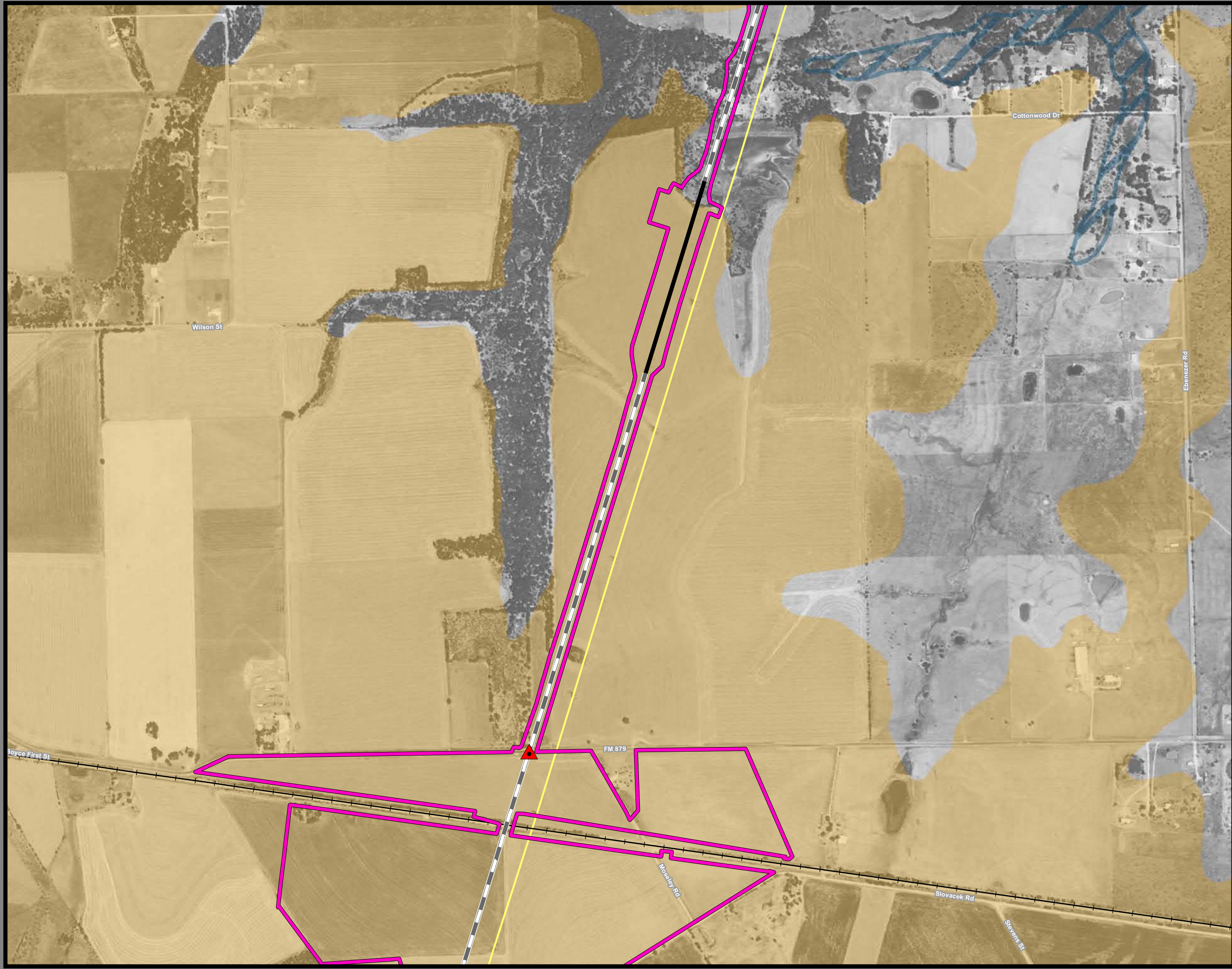
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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 34.

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

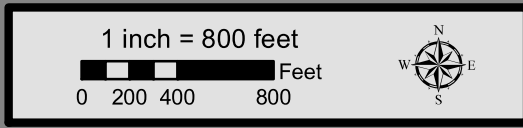
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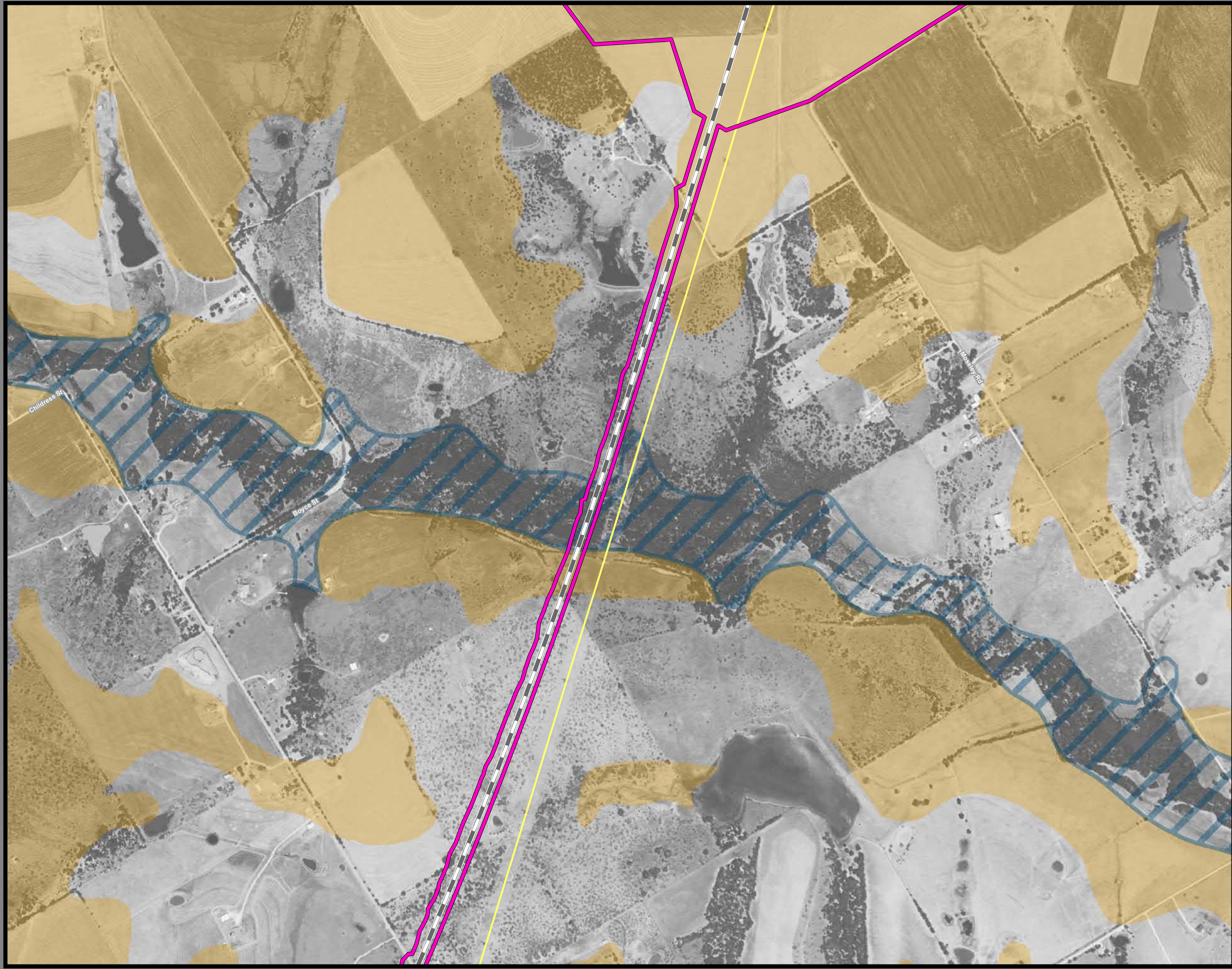
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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 35.

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

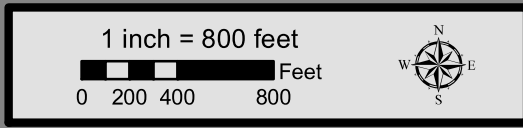
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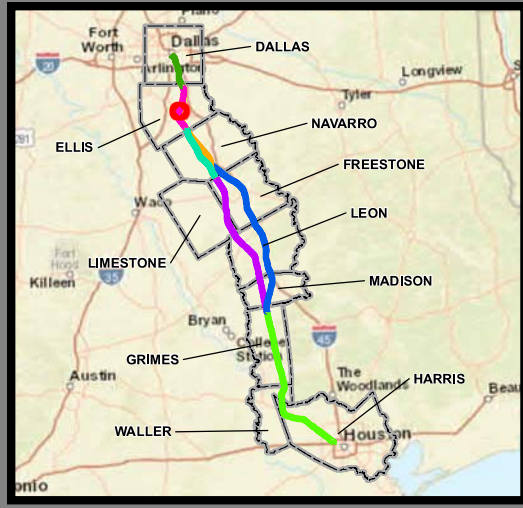
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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 36.

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

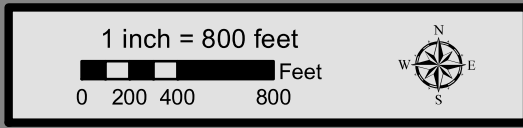
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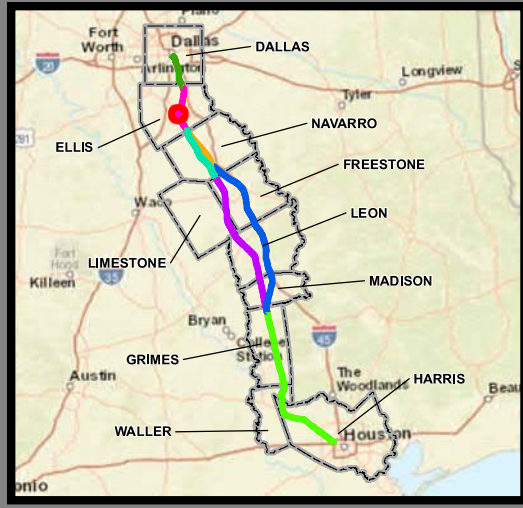
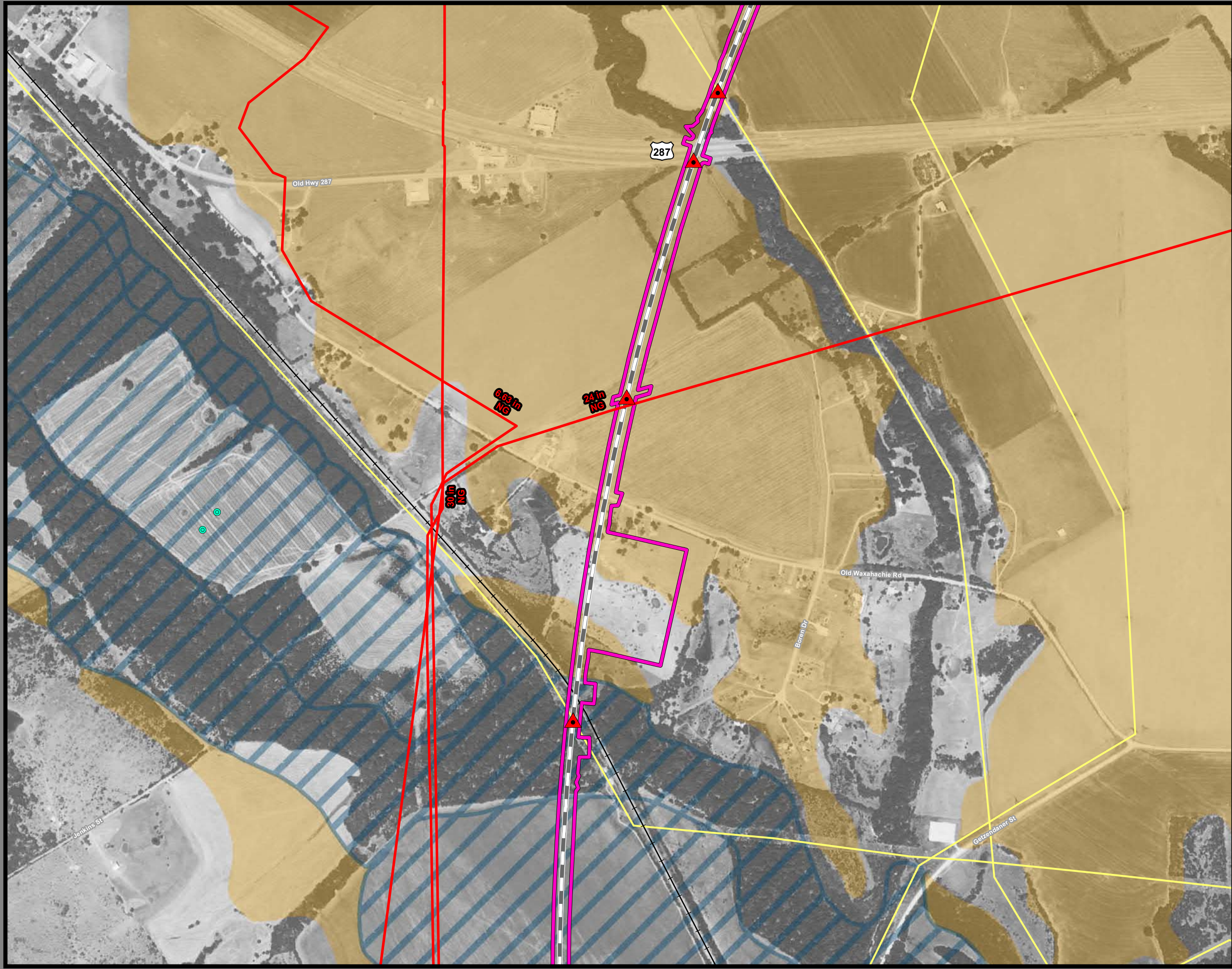
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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 37.

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 2A
Sheet 22 of 257**

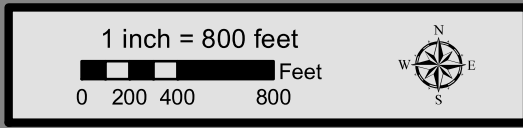
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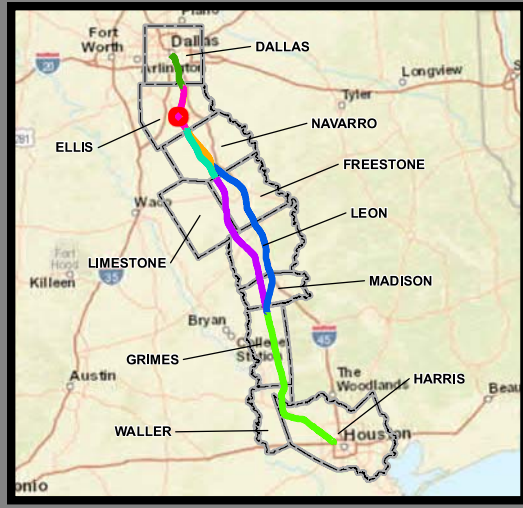
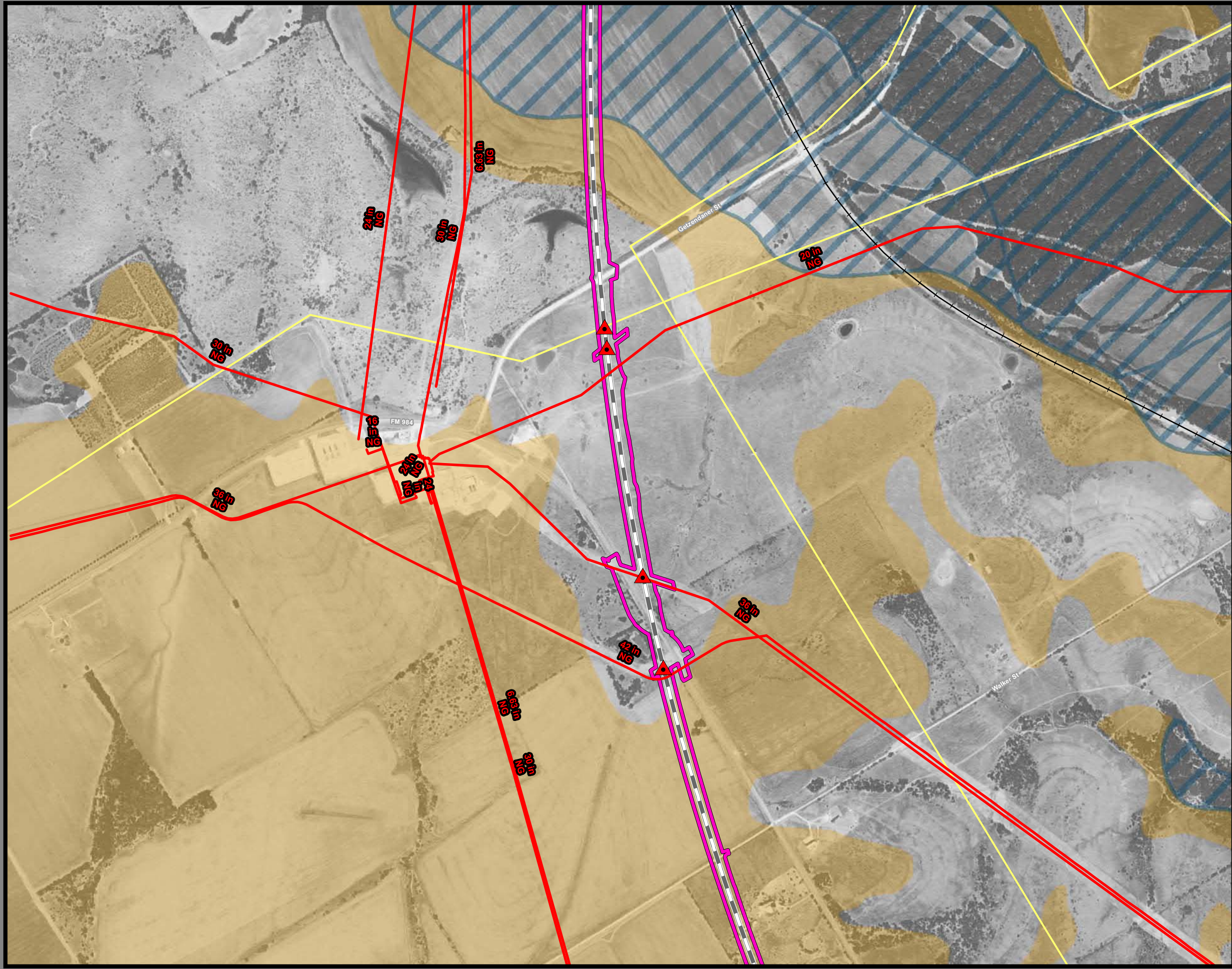
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

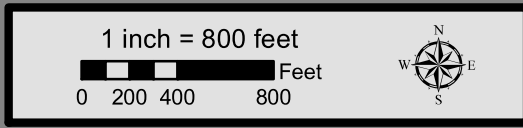
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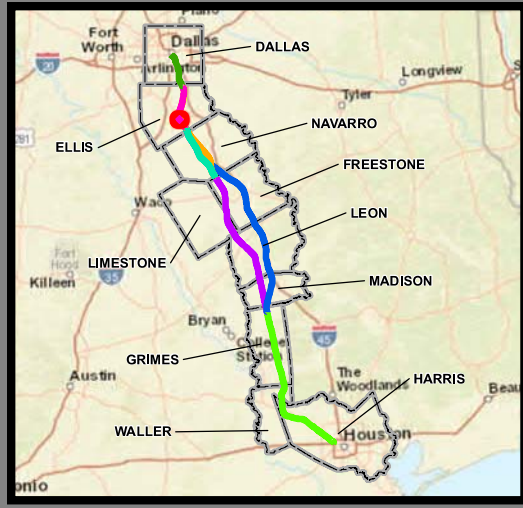
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	Soils
County Boundary	Highly Erodible
Railroad	Hydric
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

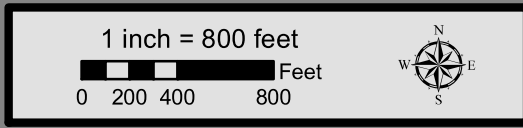
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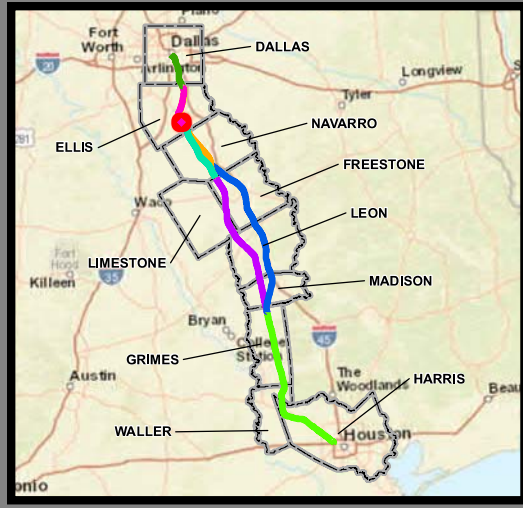
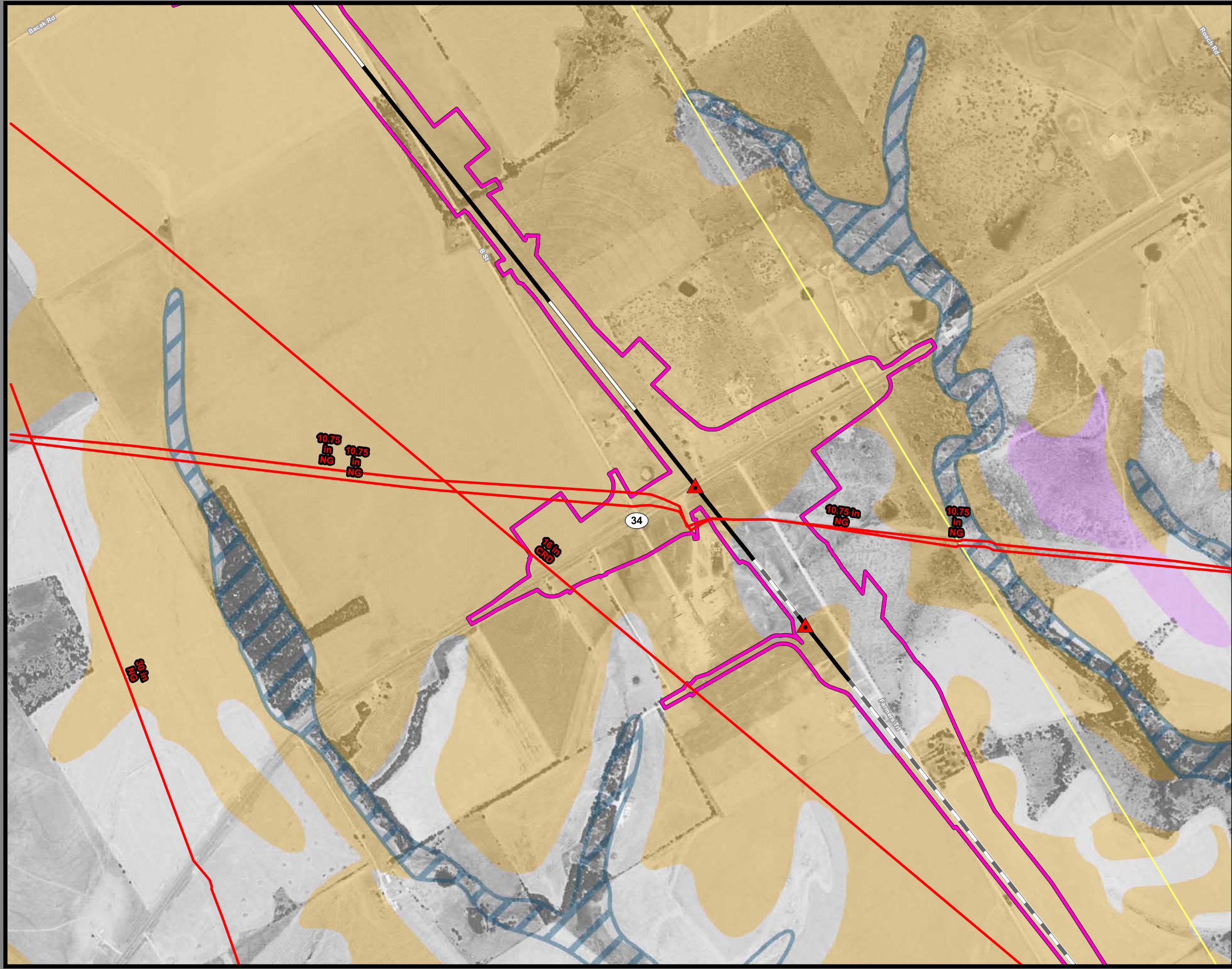
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

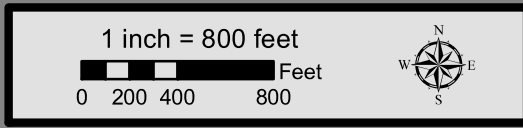
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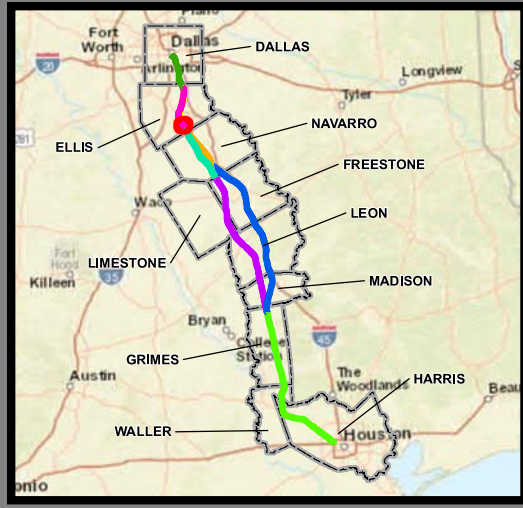
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

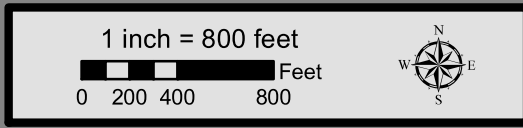
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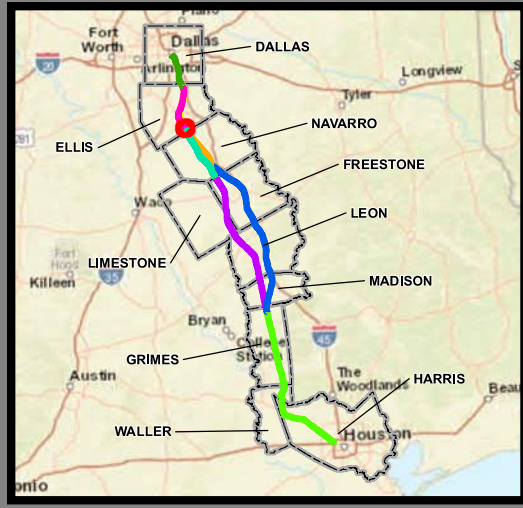
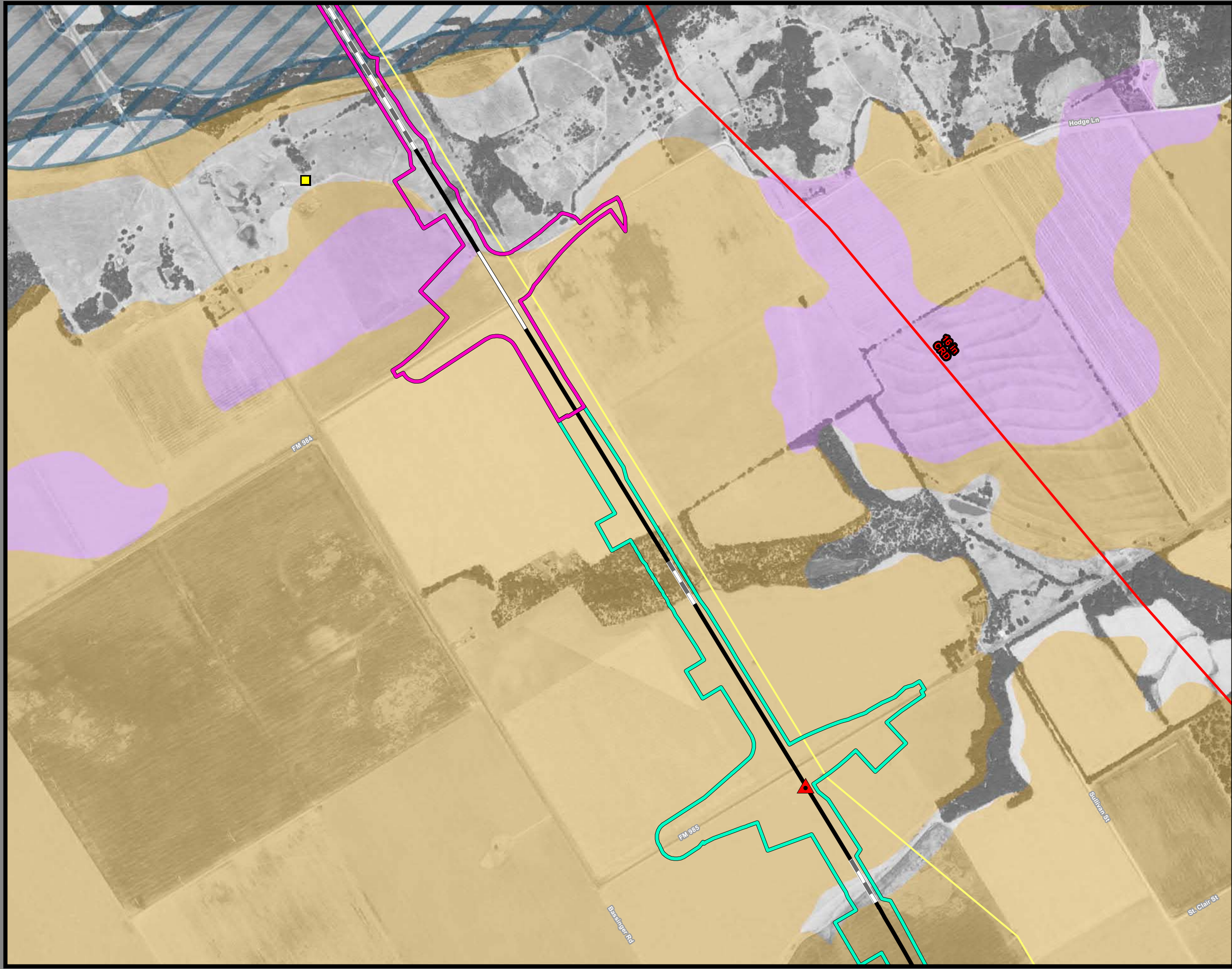
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

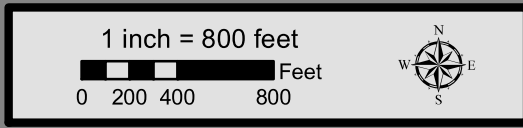
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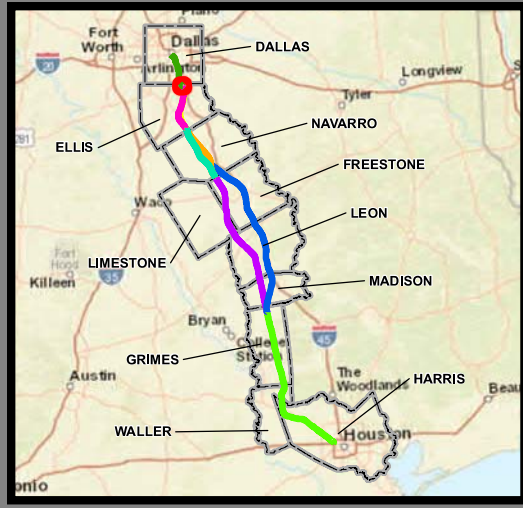
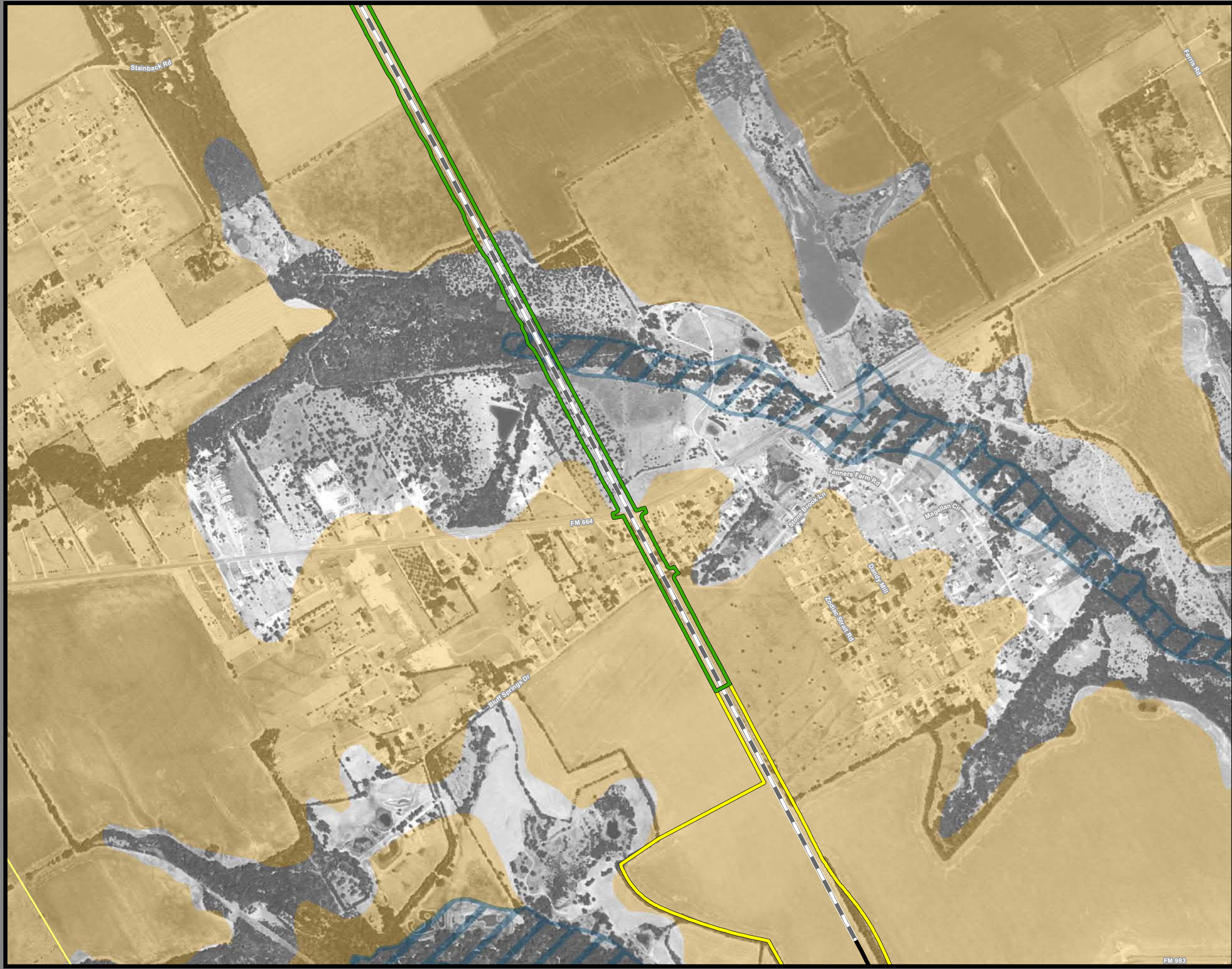
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

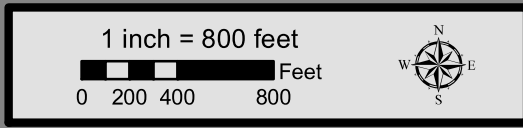
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Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	Soils
County Boundary	Highly Erodible
Railroad	Hydric
Faults	Prime Farmland
	Farmland of Statewide Importance
	Prime Farmland if Drained

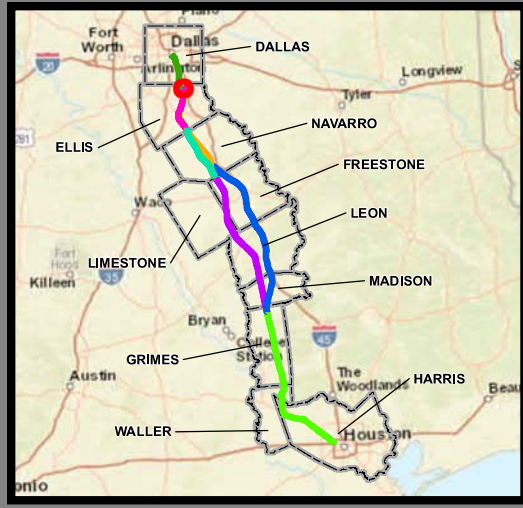
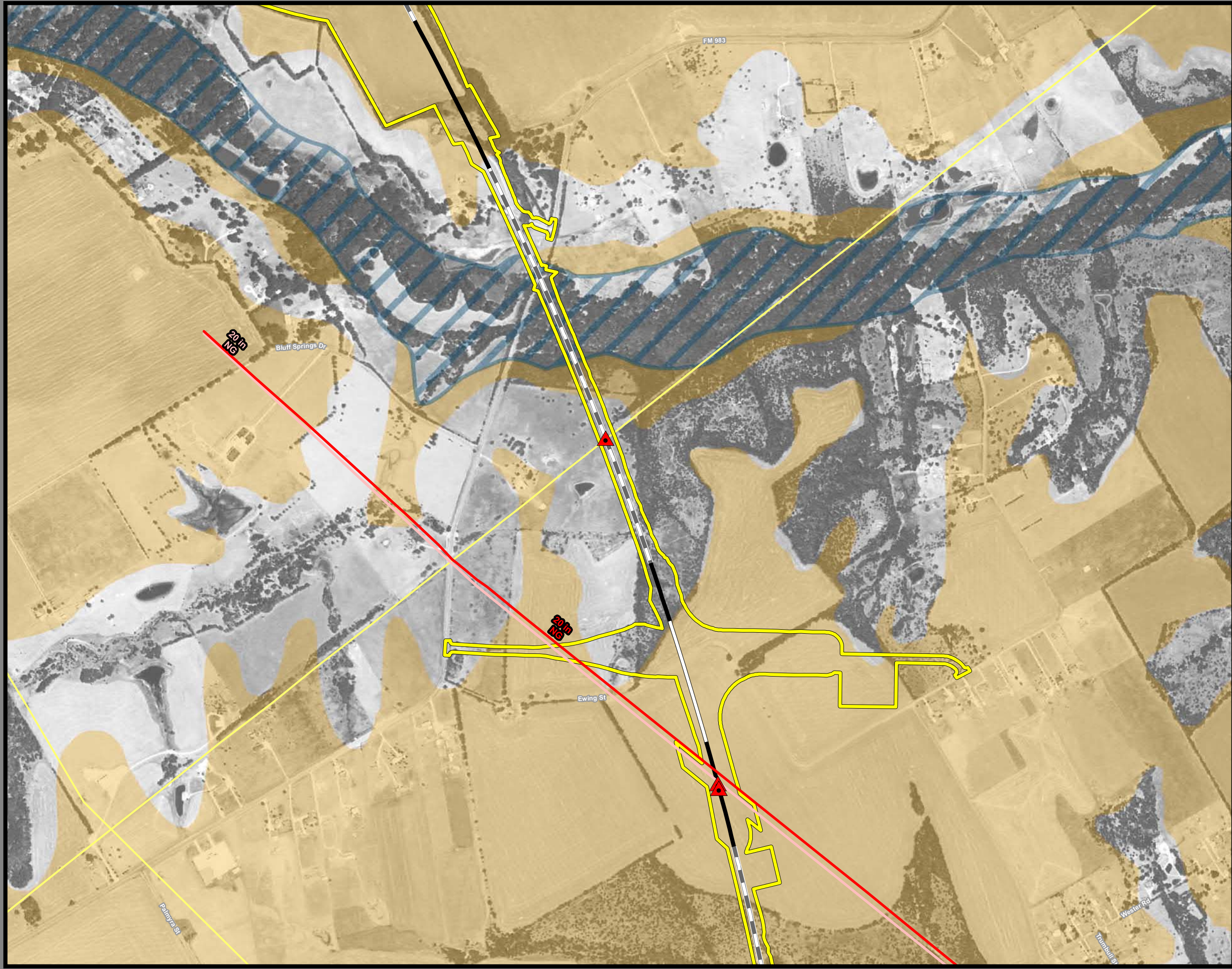
This Sheet only depicts Segment 2B; Segment 2A is also located in this same area and can be referenced on Sheet 12.

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014



FM 983



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

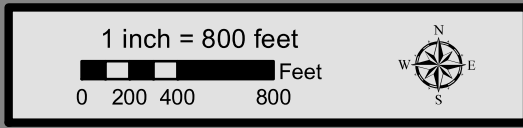
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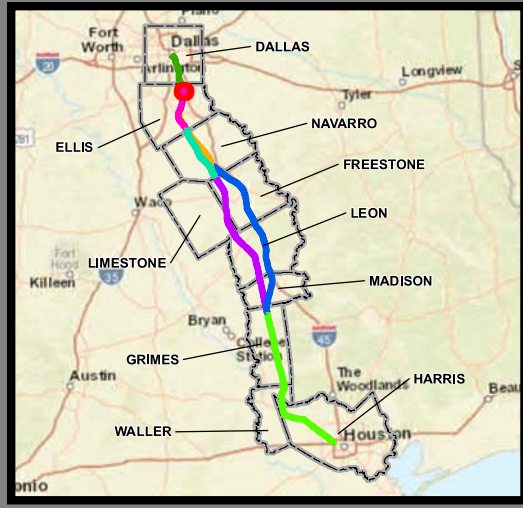
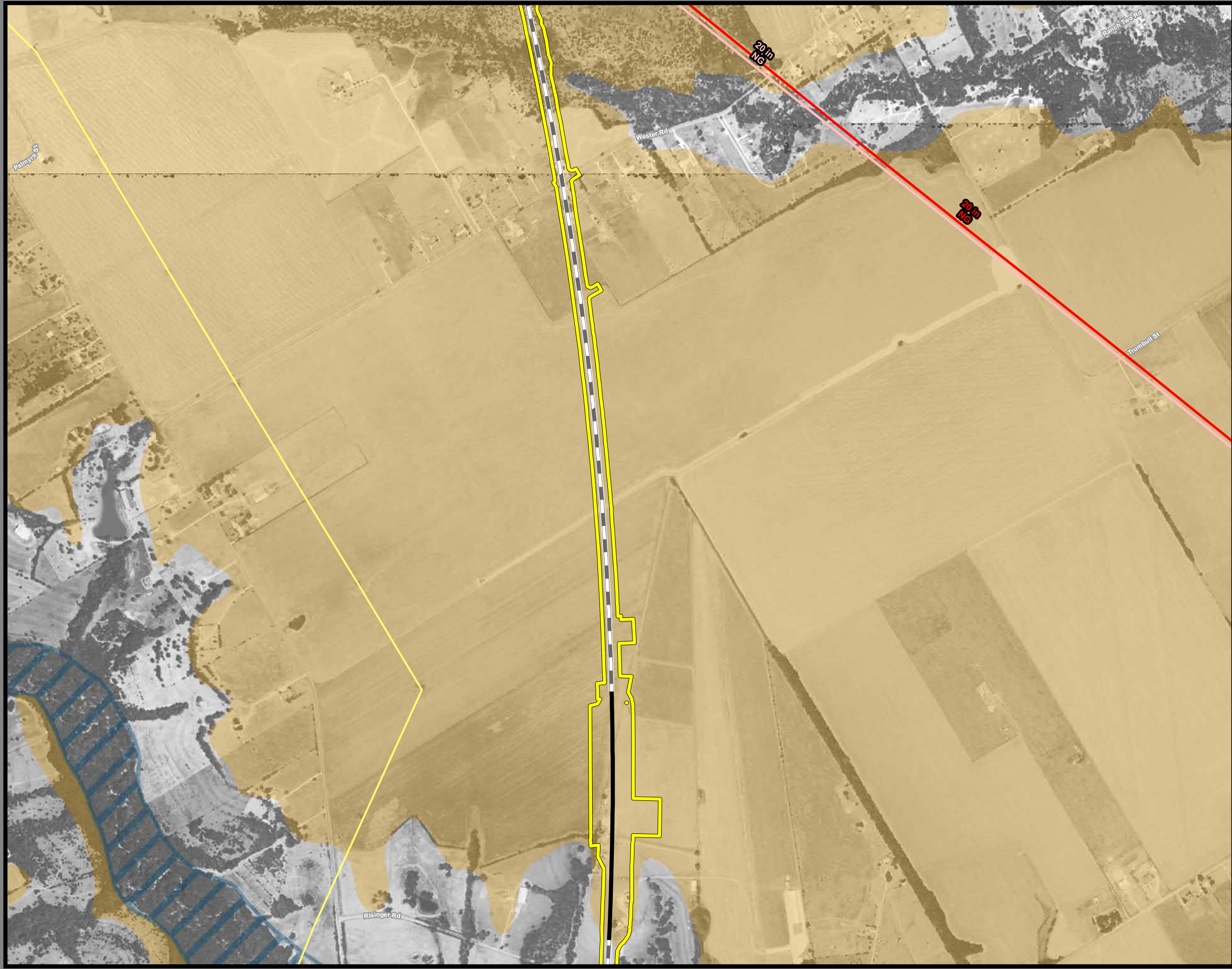
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

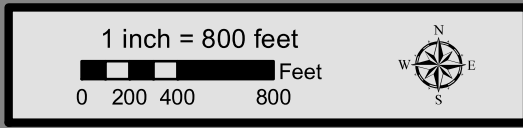
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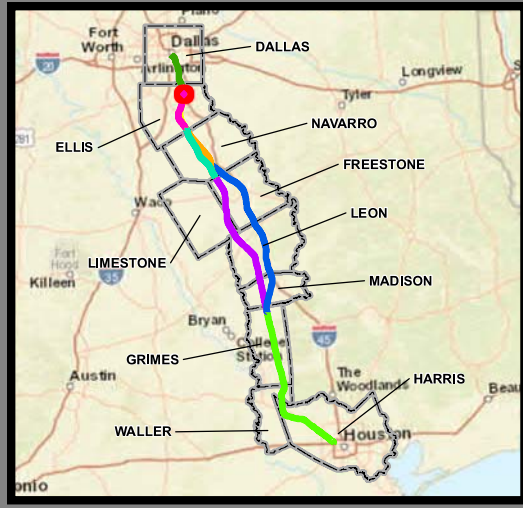
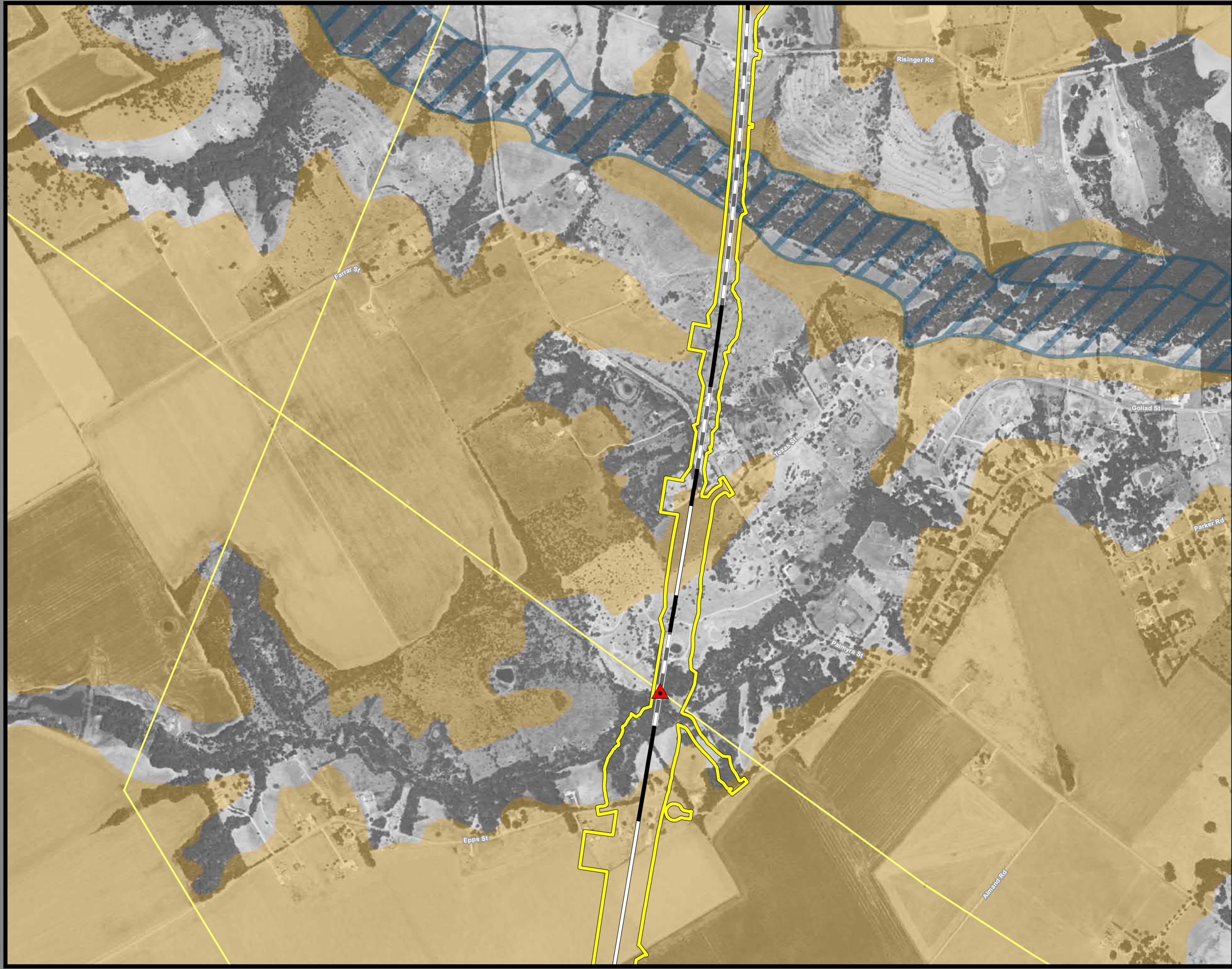
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	Soils
County Boundary	Highly Erodible
Railroad	Hydric
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

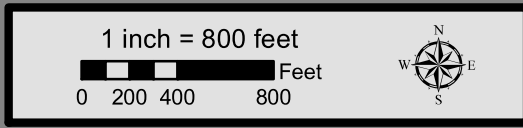
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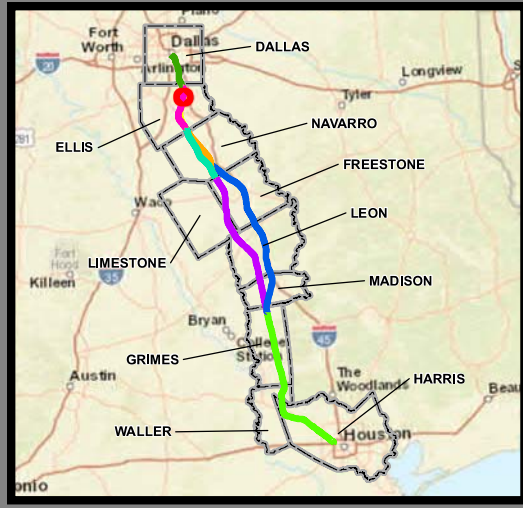
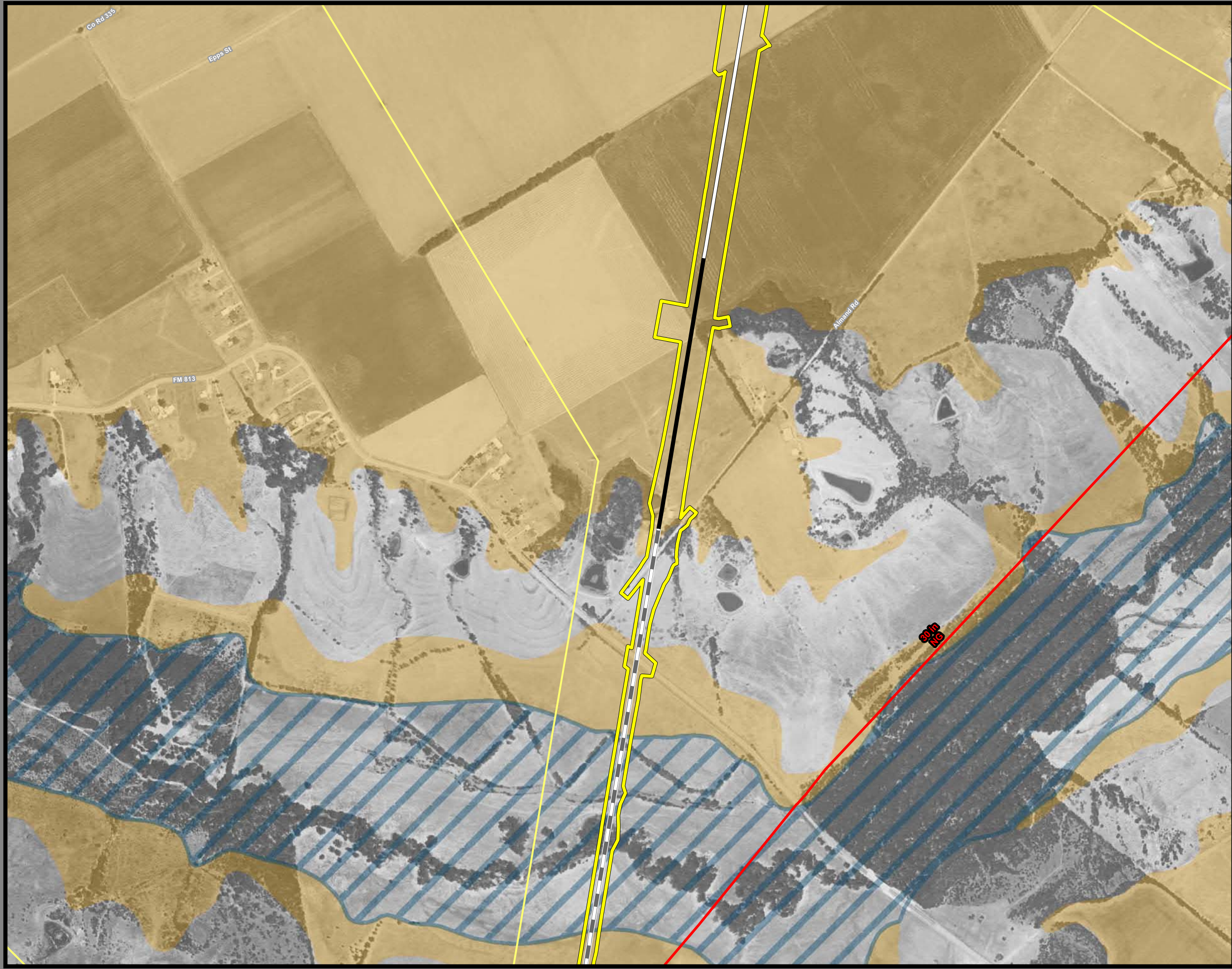
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	Soils
County Boundary	Highly Erodible
Railroad	Hydric
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

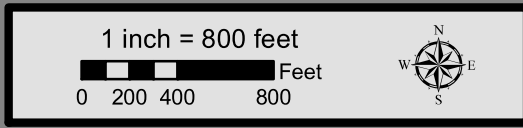
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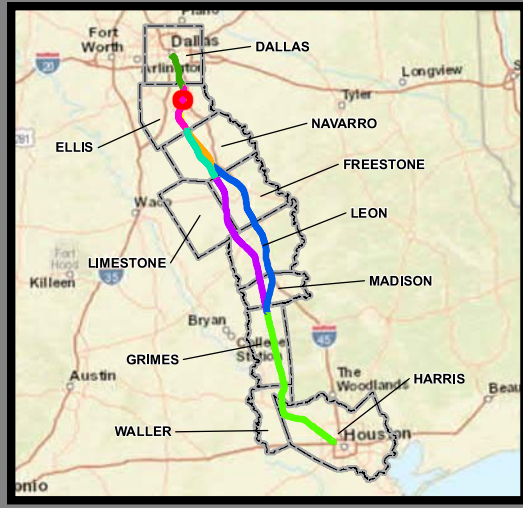
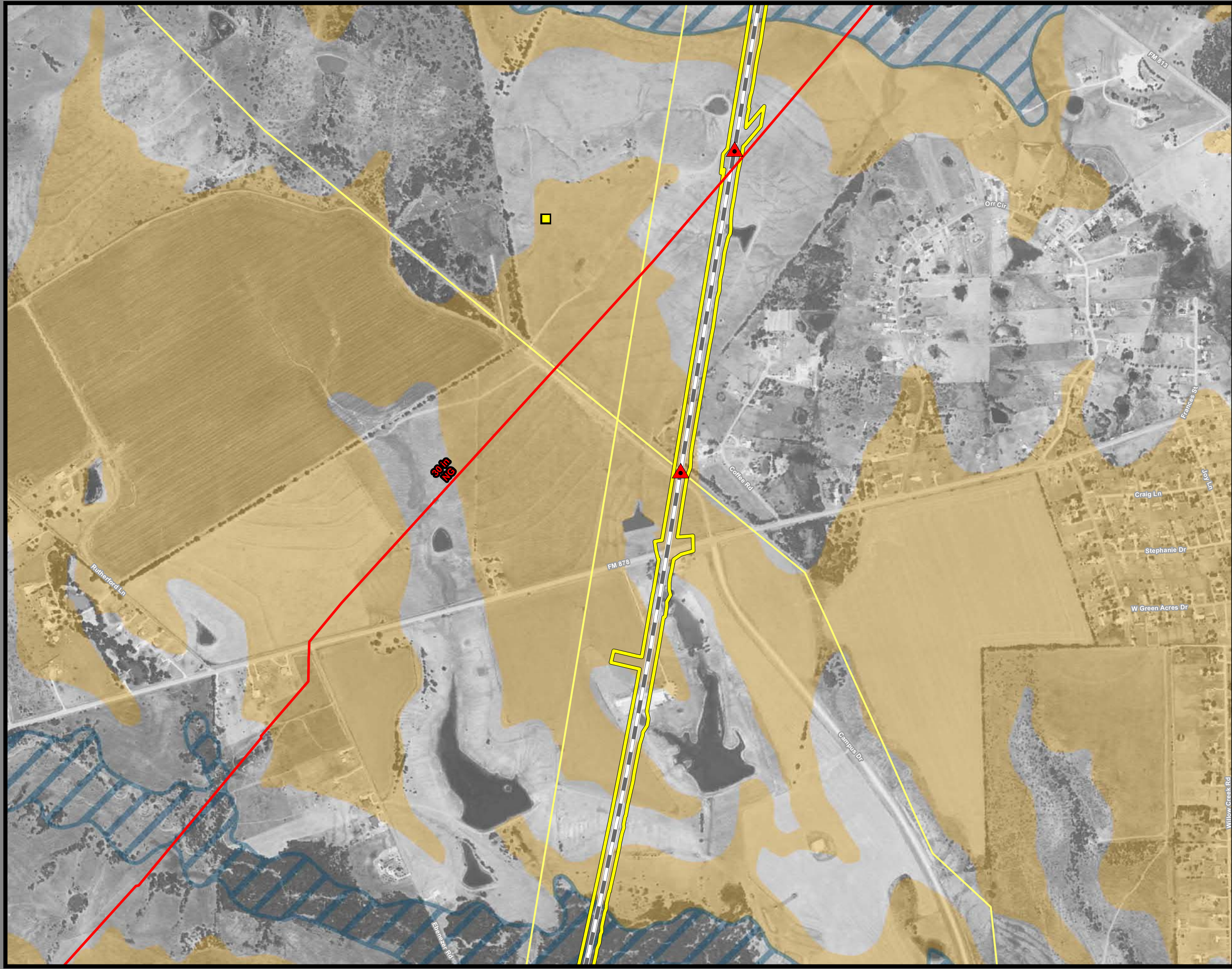
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	Soils
County Boundary	Highly Erodible
Railroad	Hydric
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

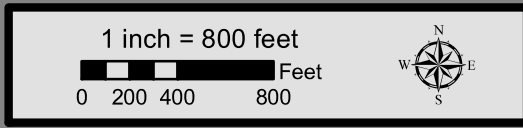
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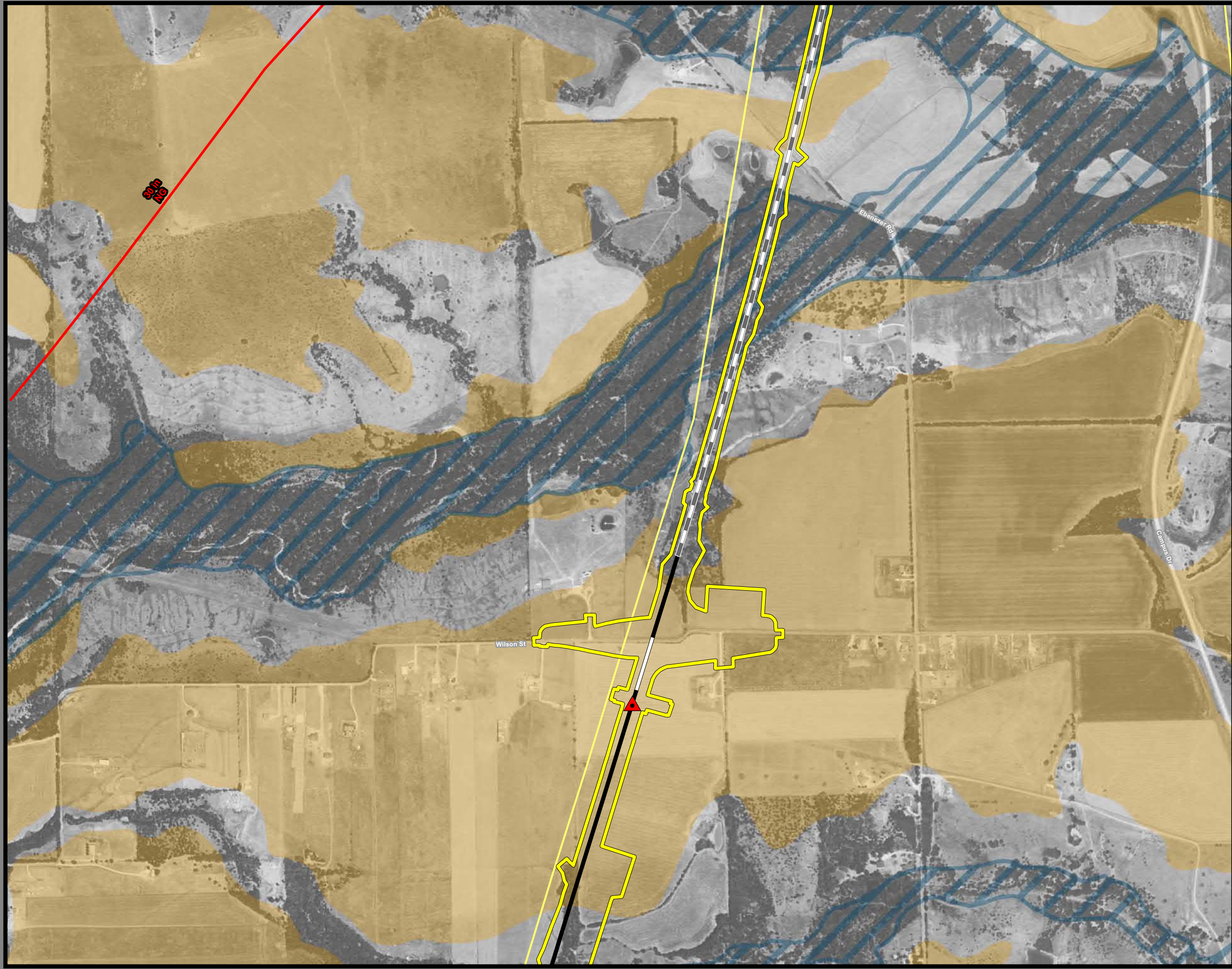
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

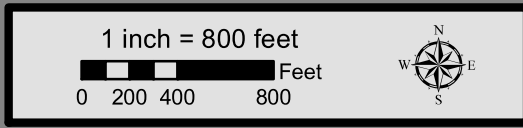
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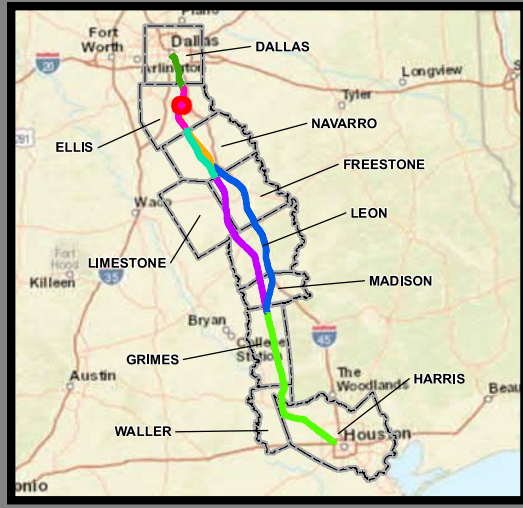
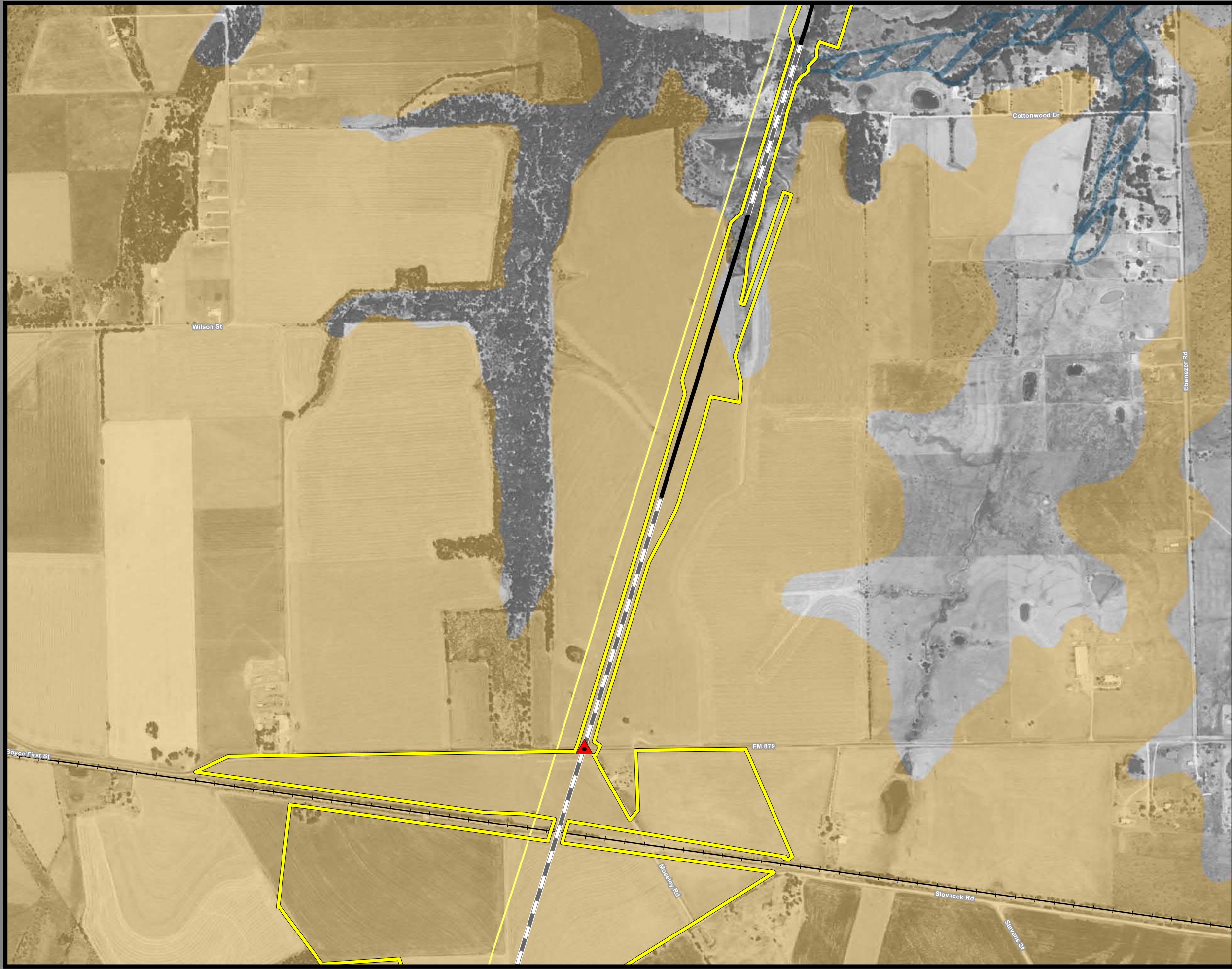
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

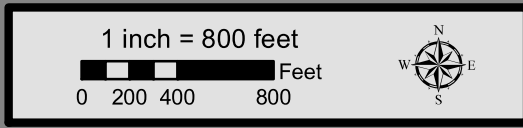
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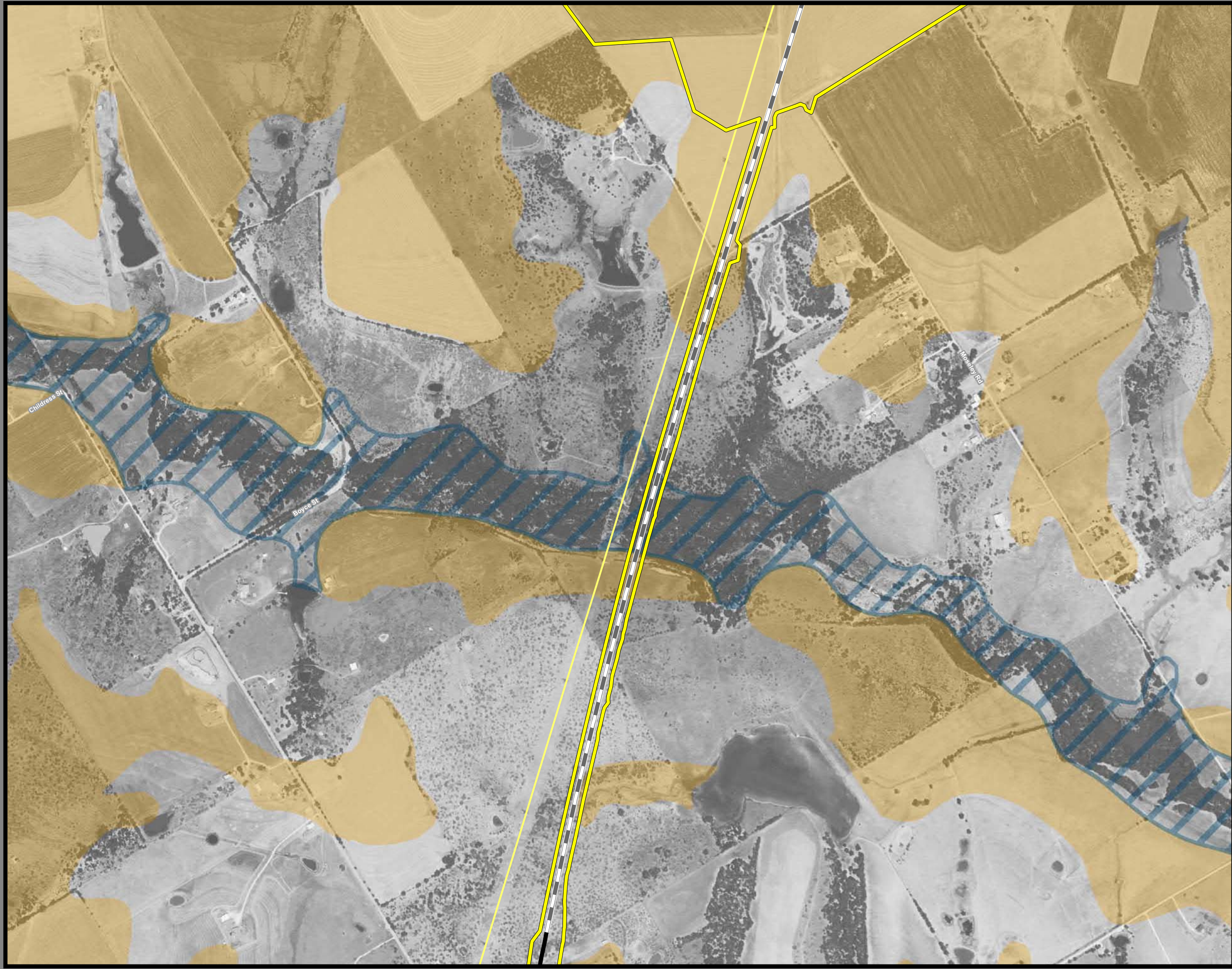
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

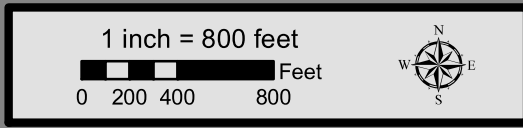
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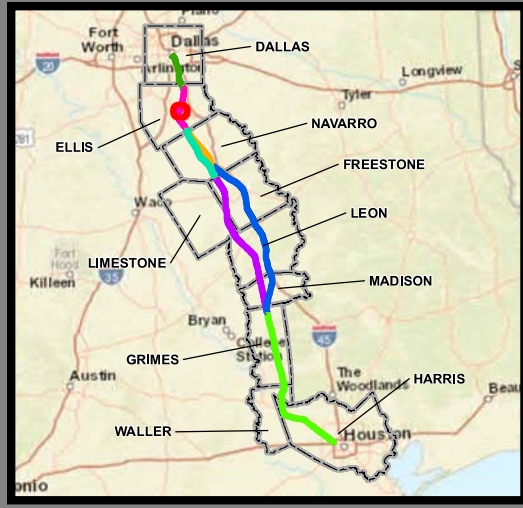
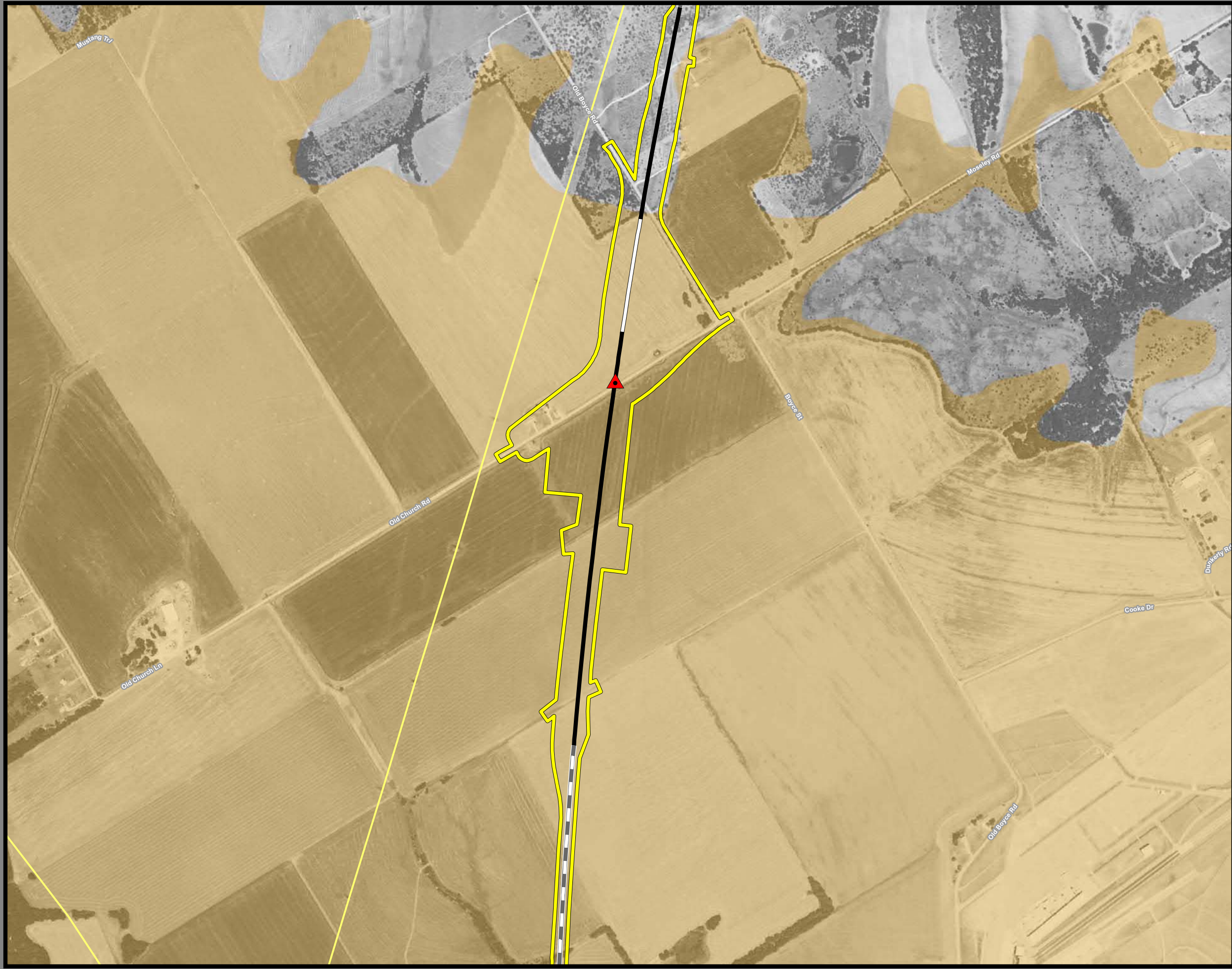
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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 Segment 2B
 Sheet 37 of 257

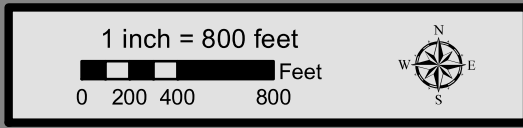
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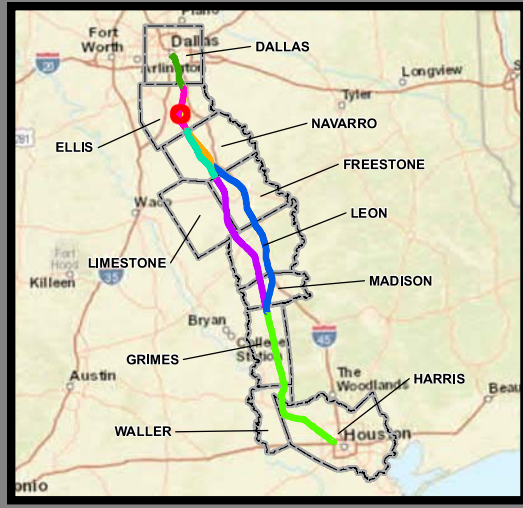
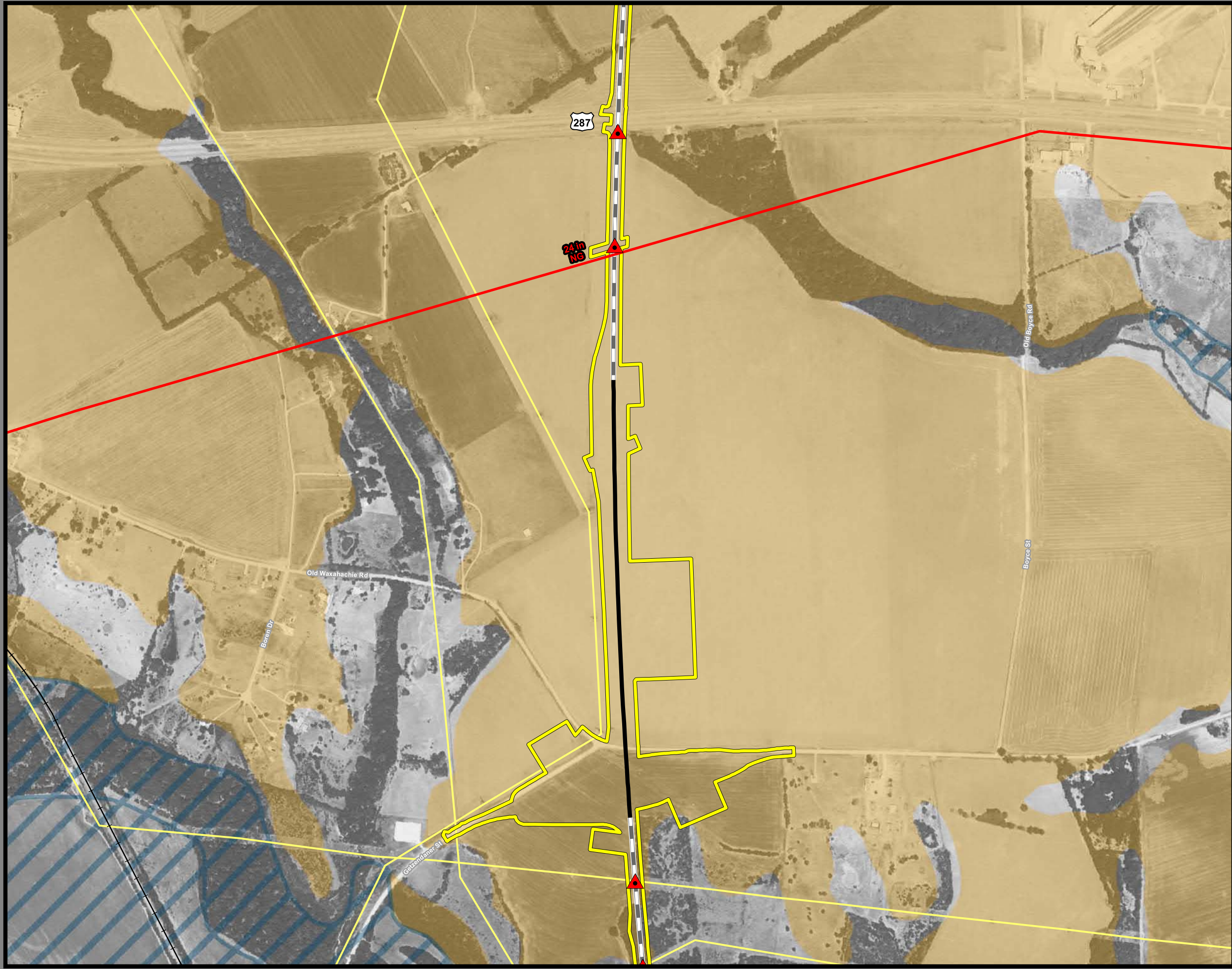
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

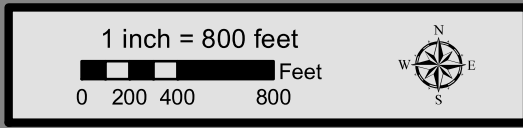
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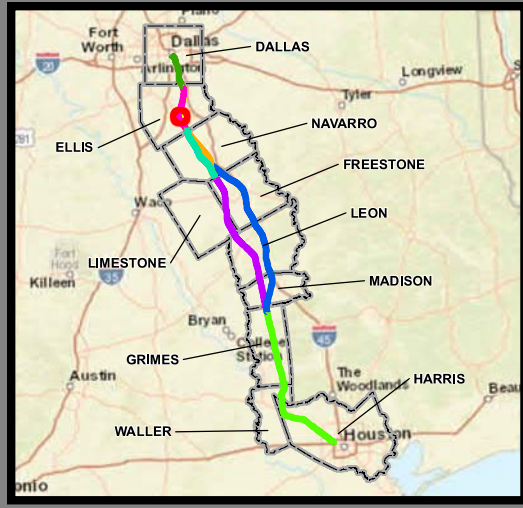
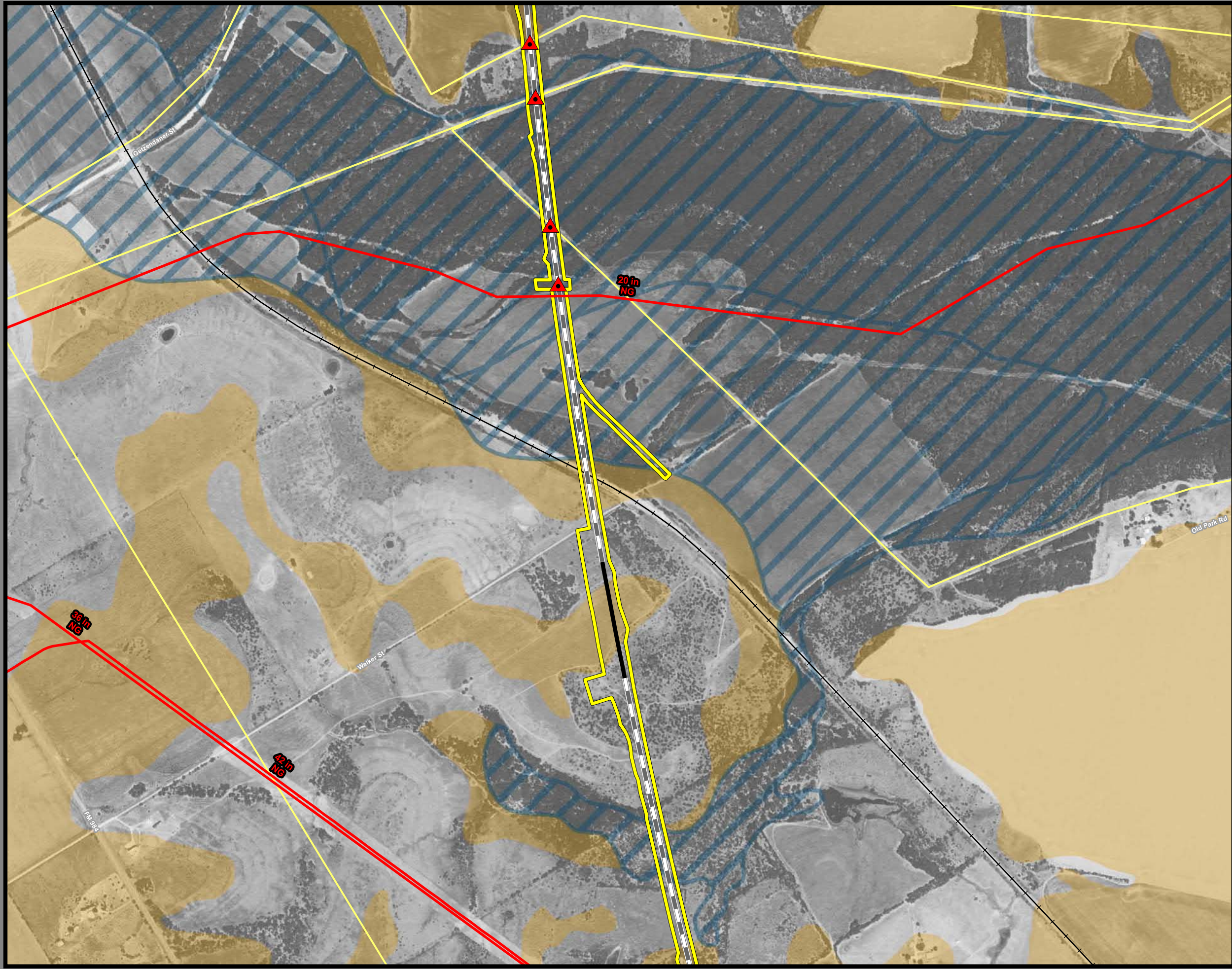
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

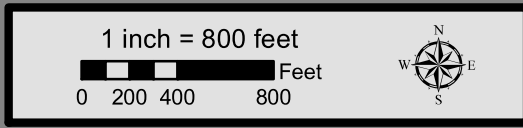
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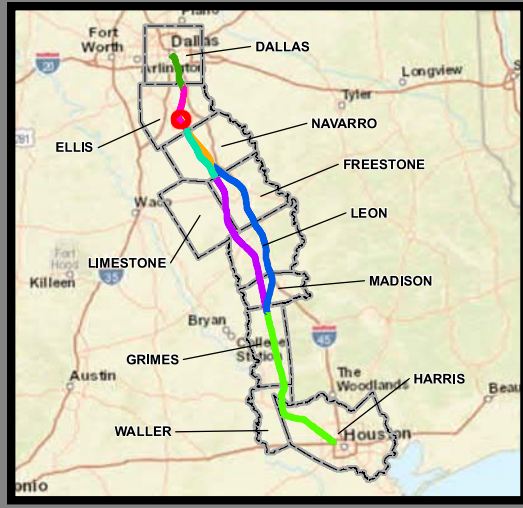
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

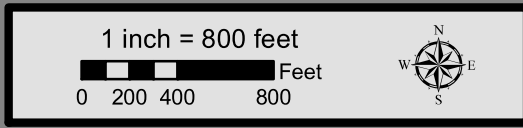
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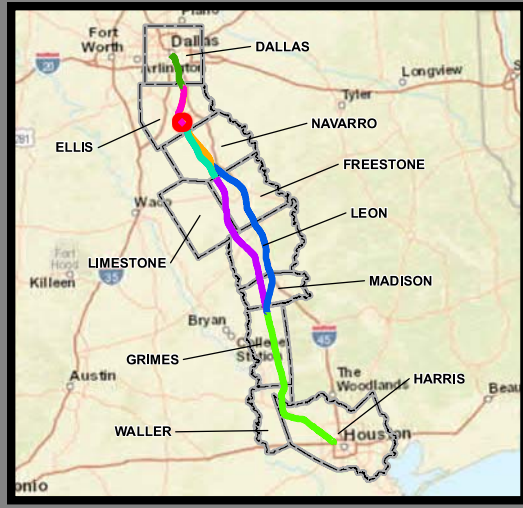
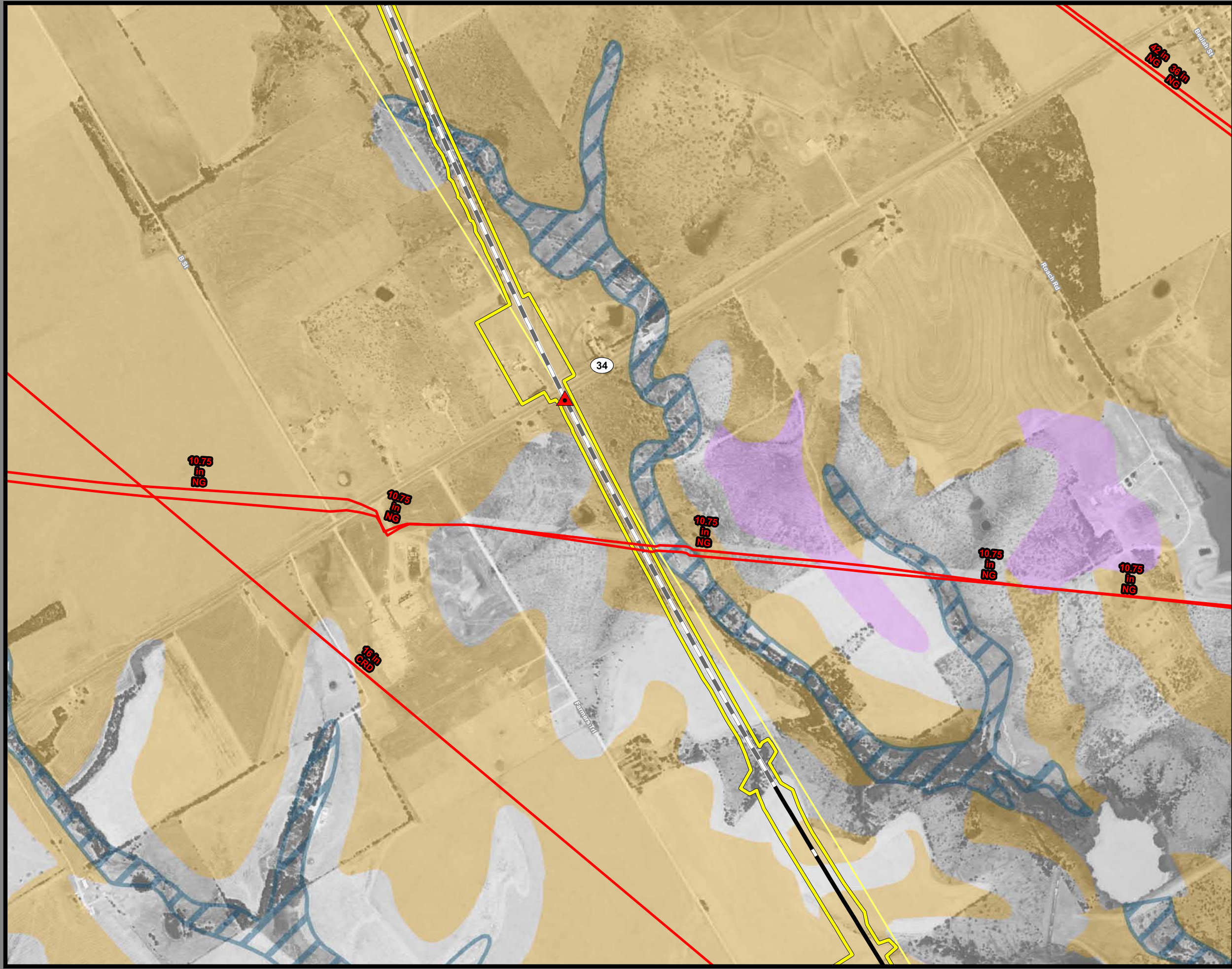
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

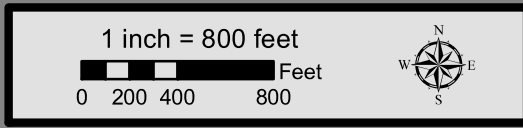
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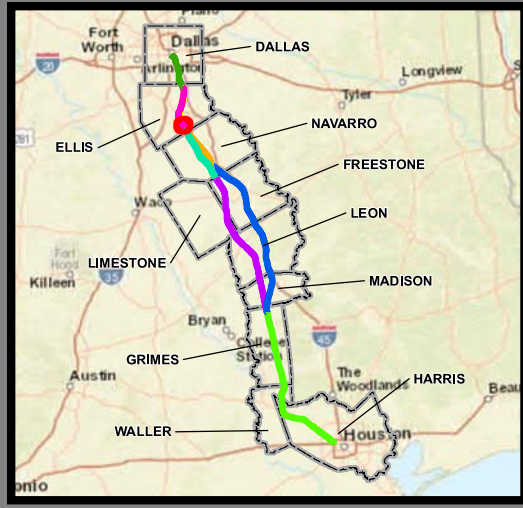
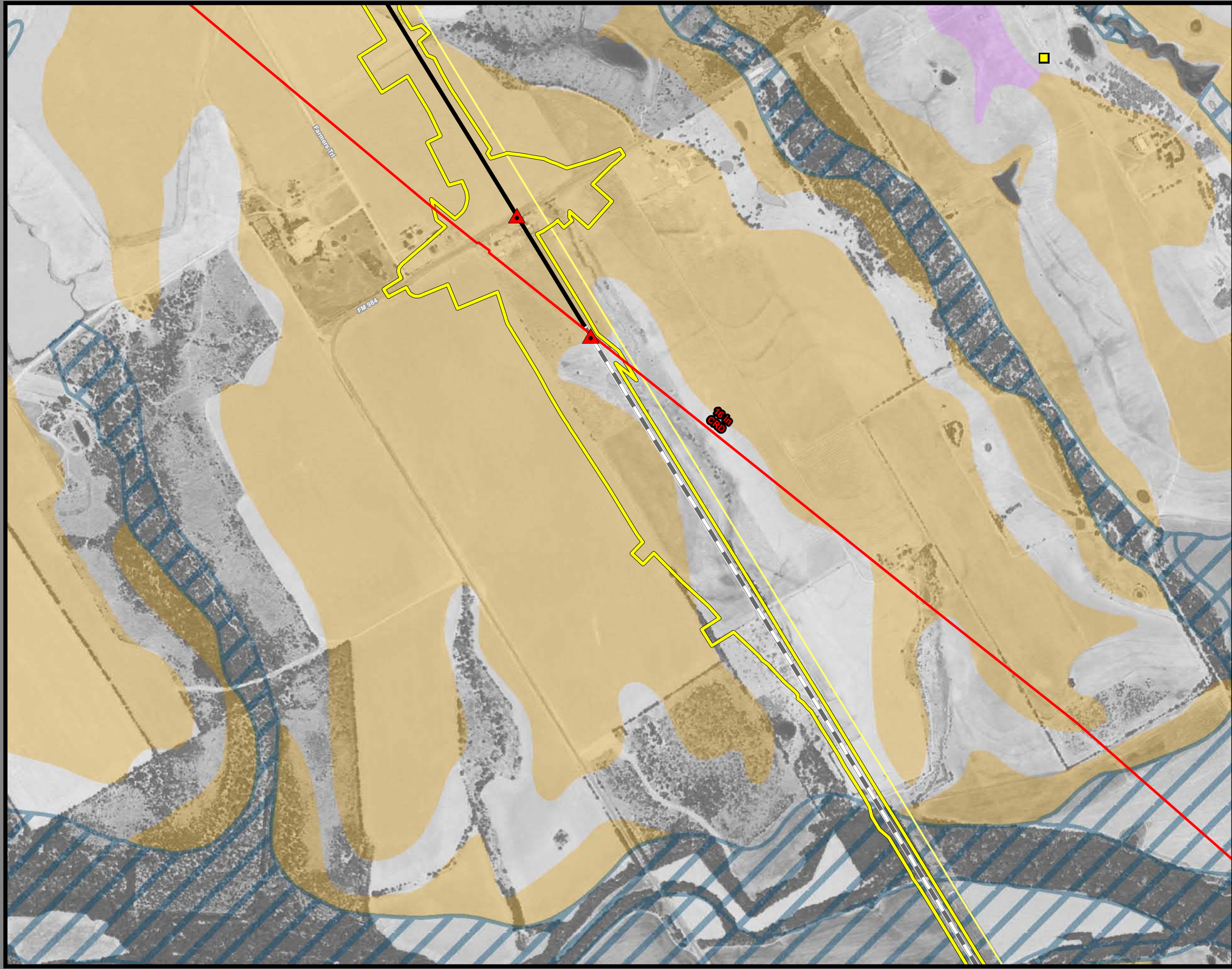
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

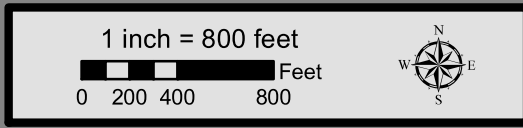
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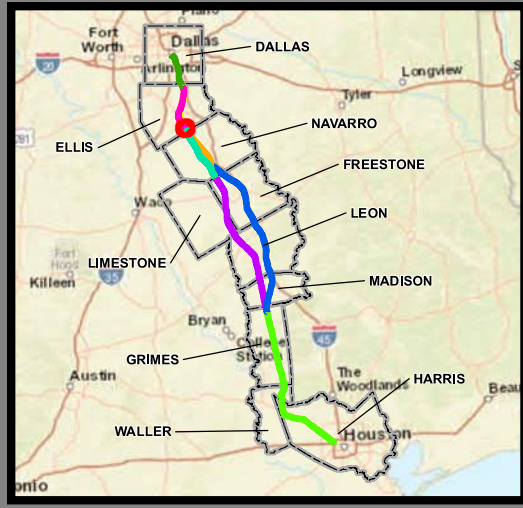
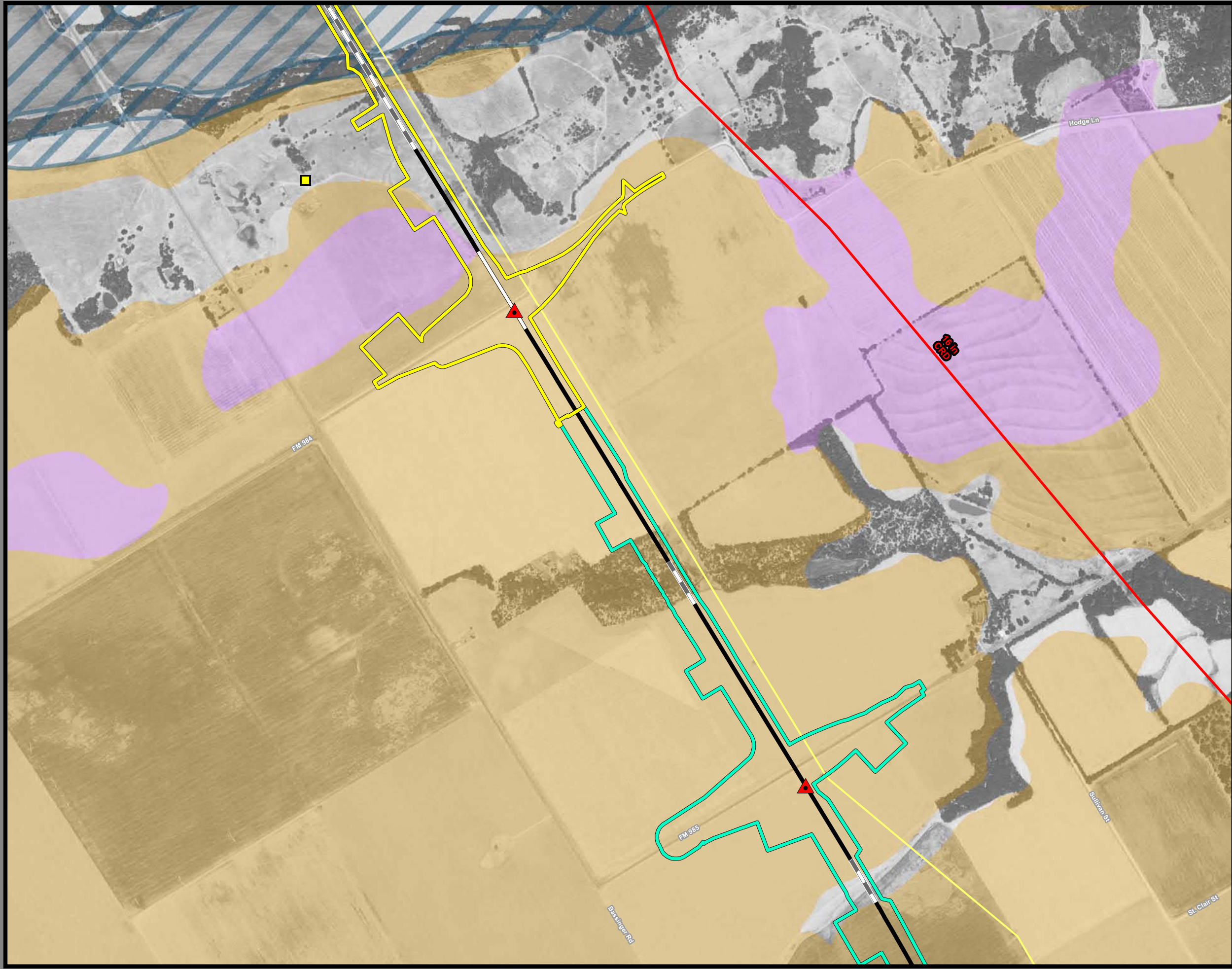
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

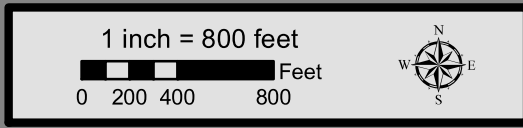
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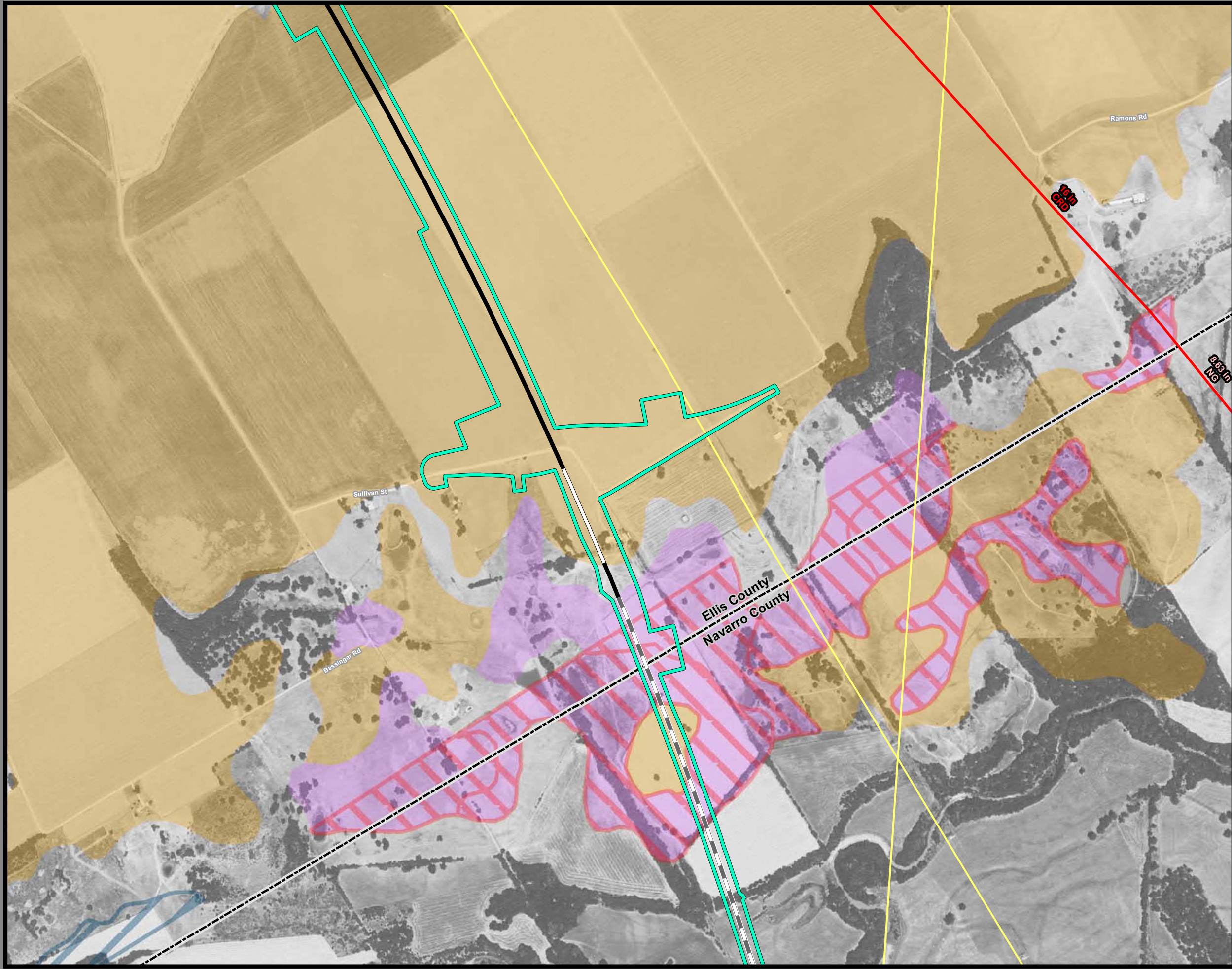
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

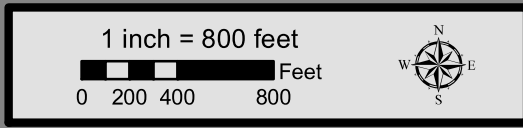
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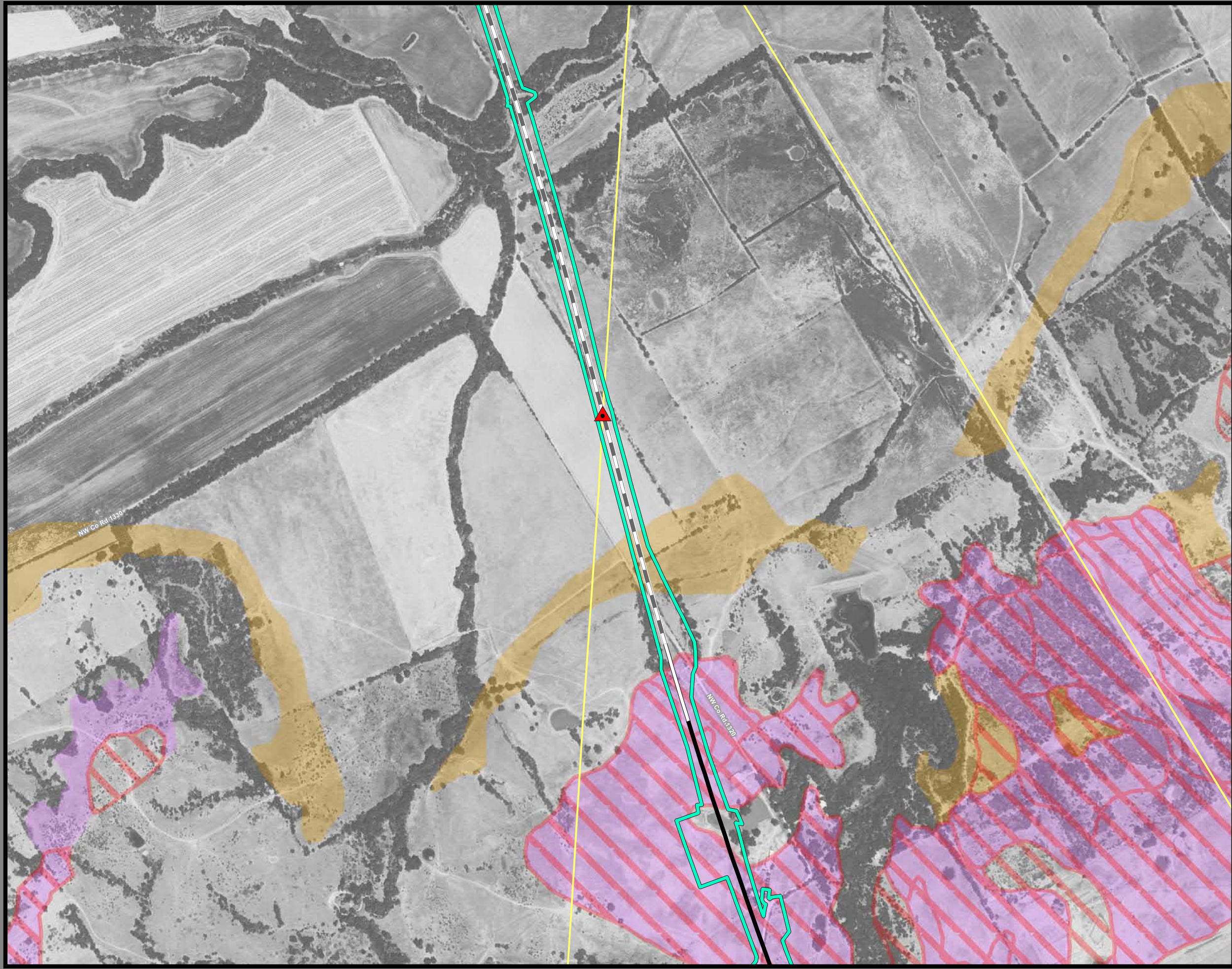
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

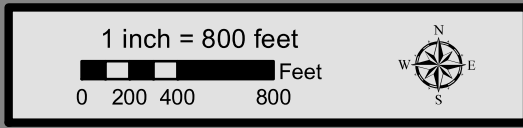
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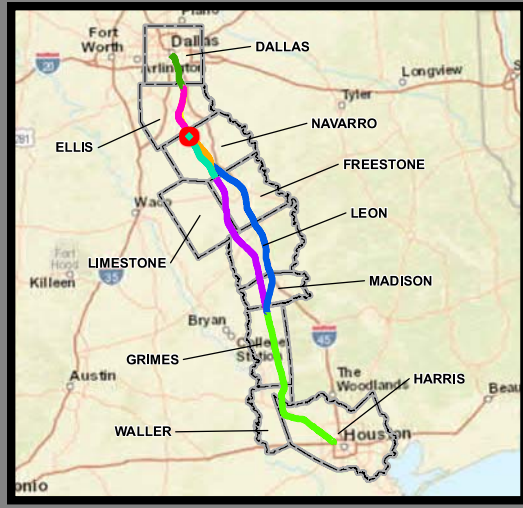
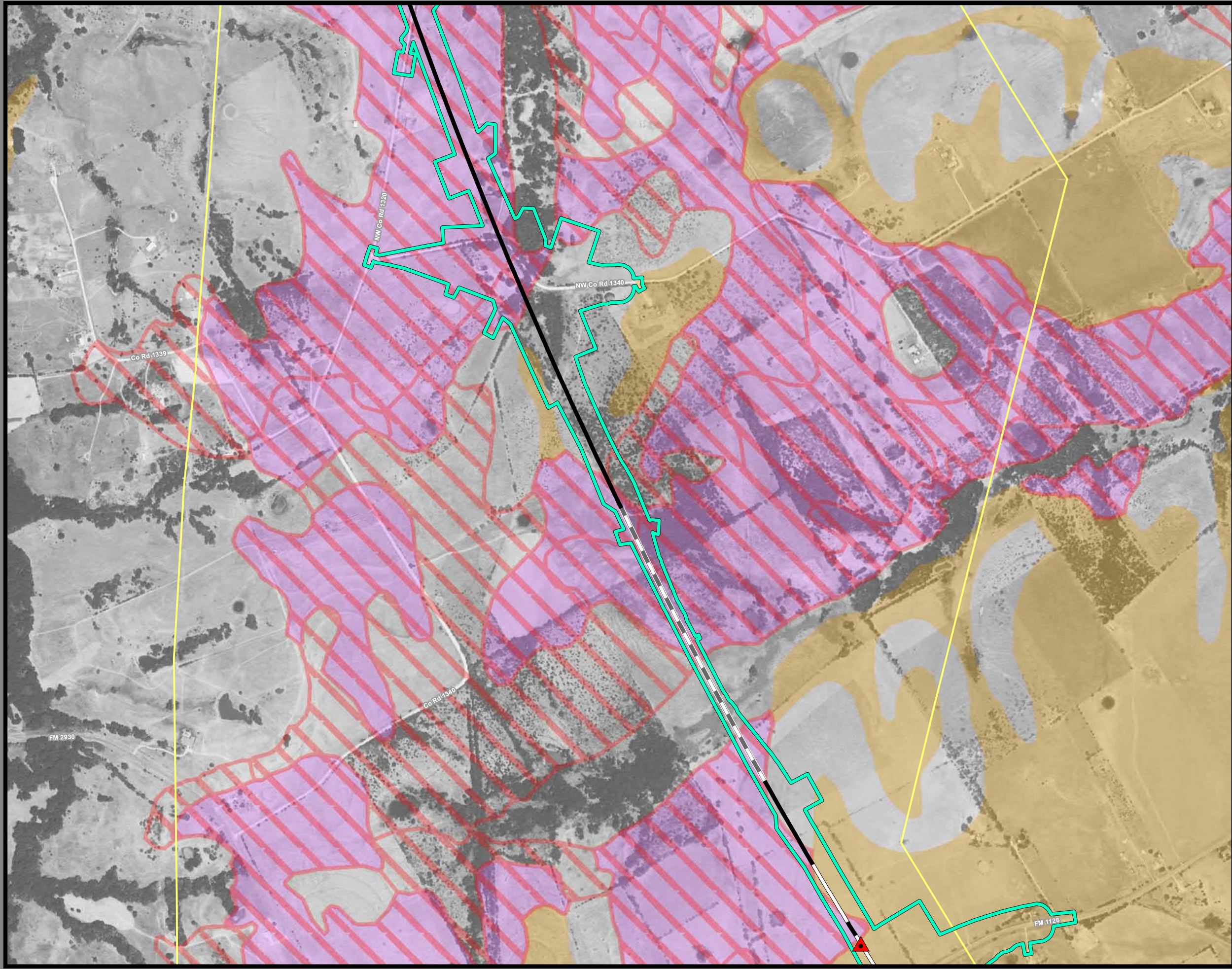
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

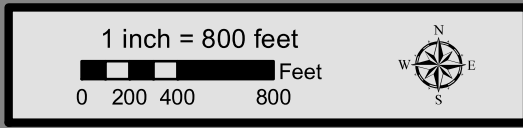
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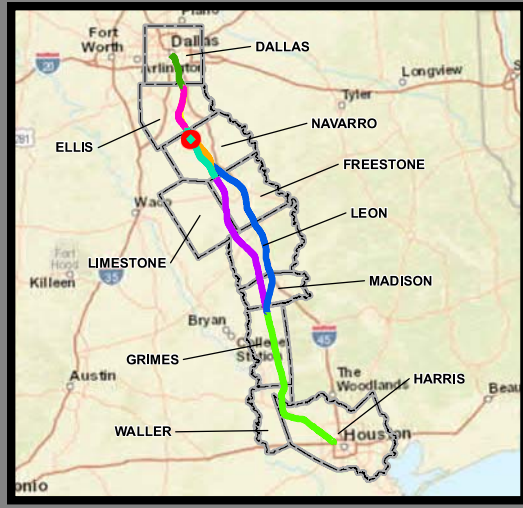
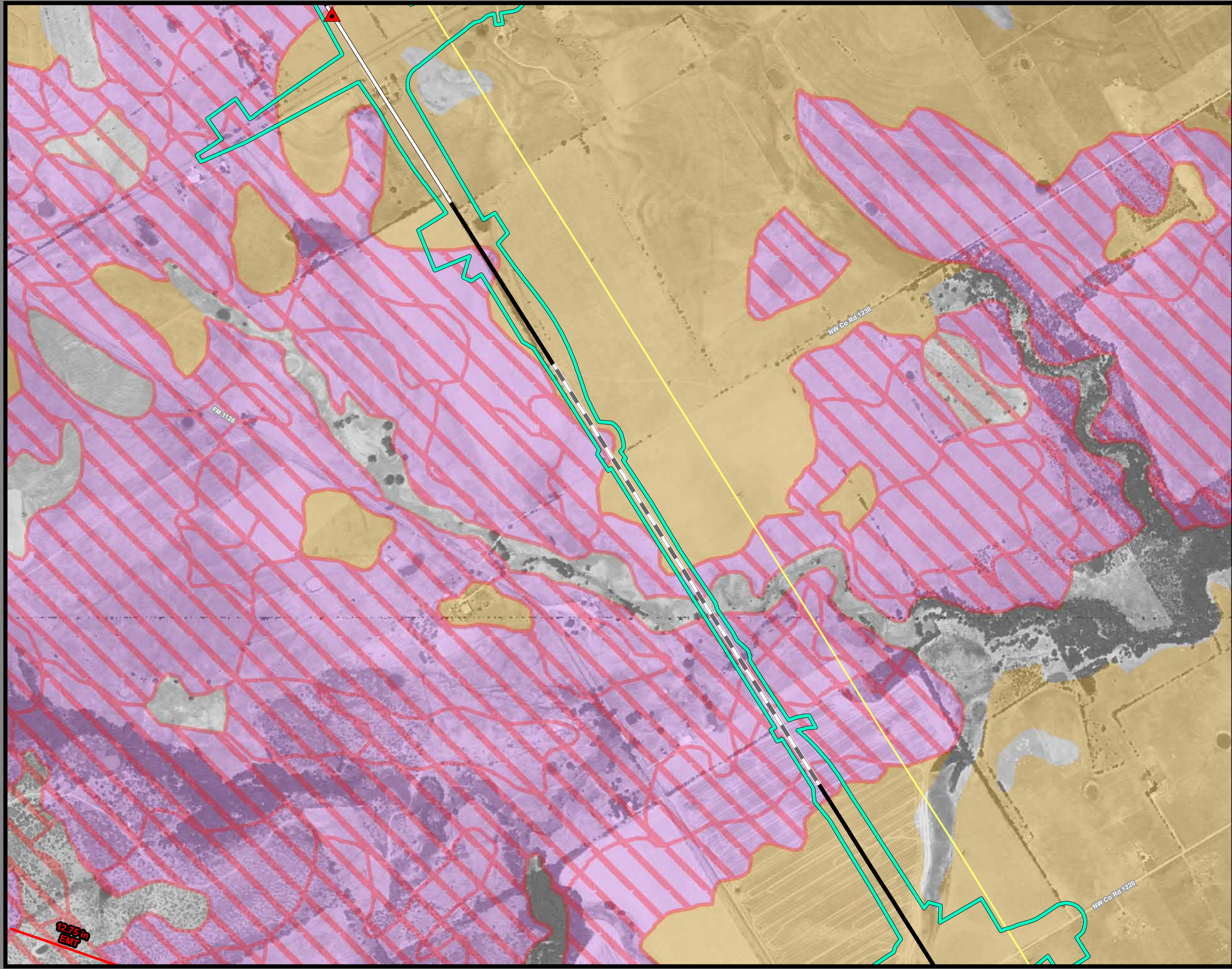
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

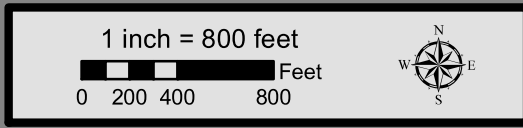
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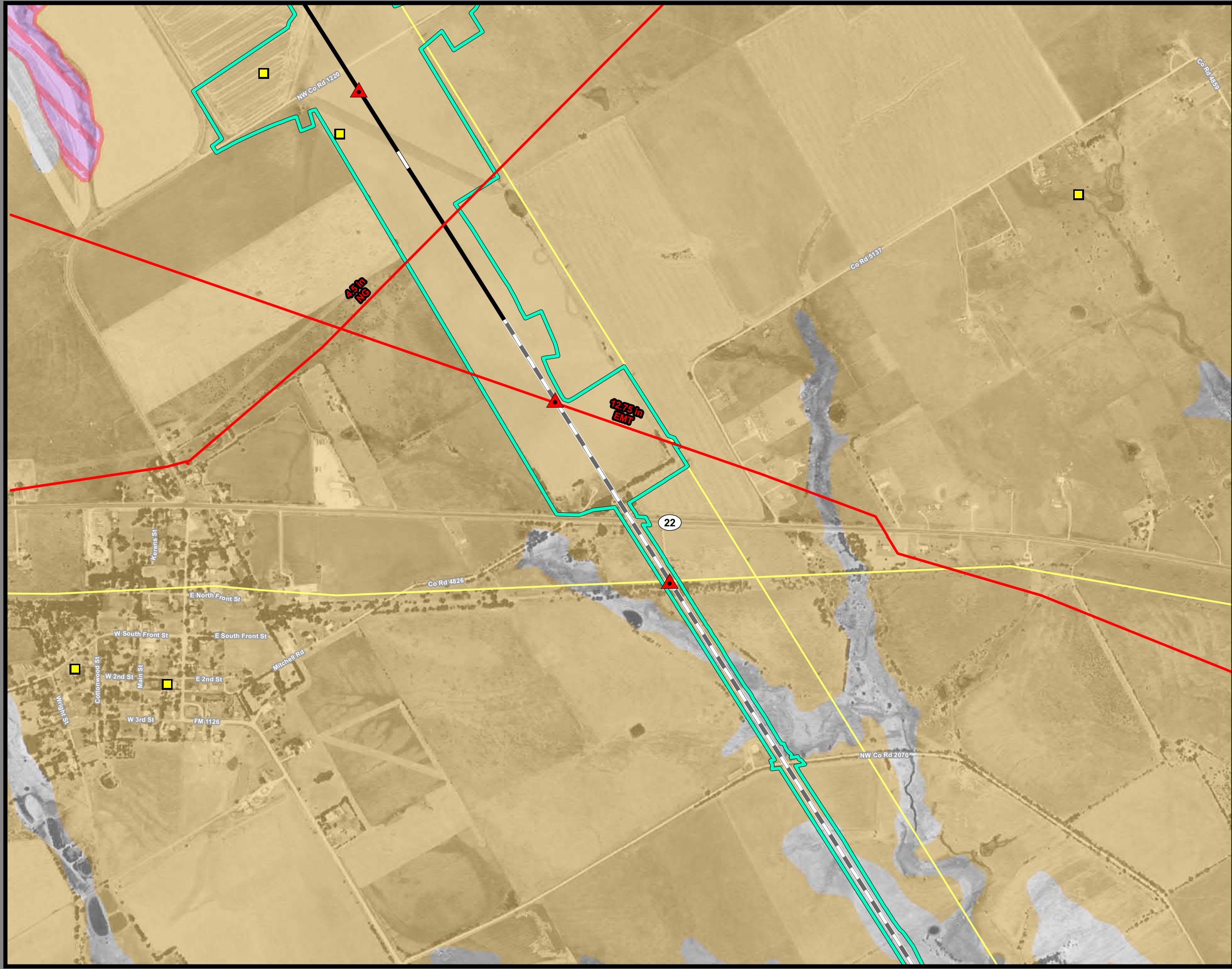
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

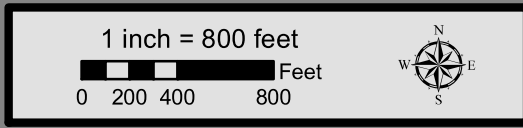
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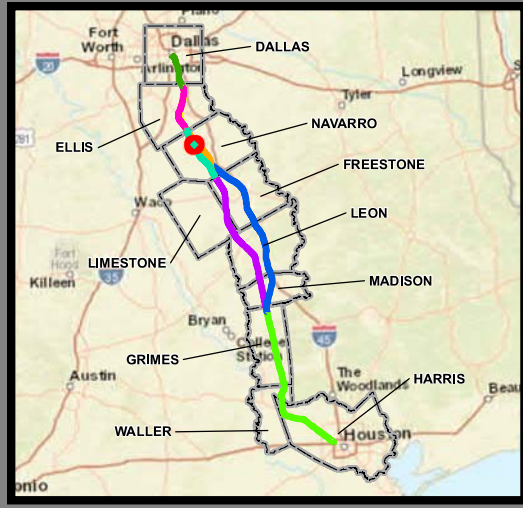
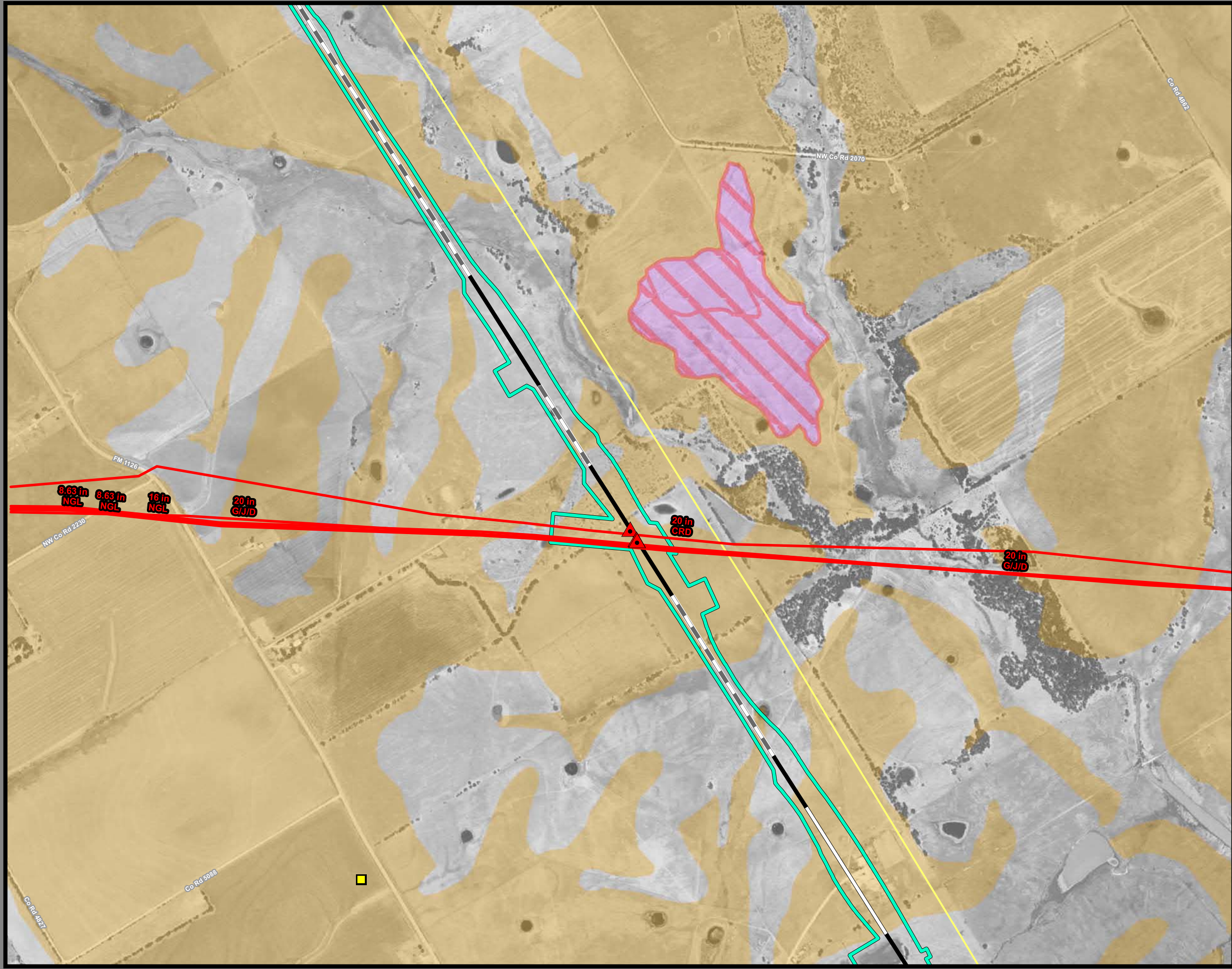
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

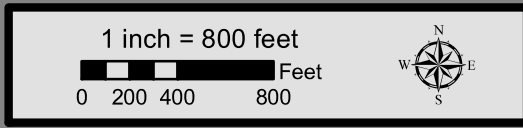
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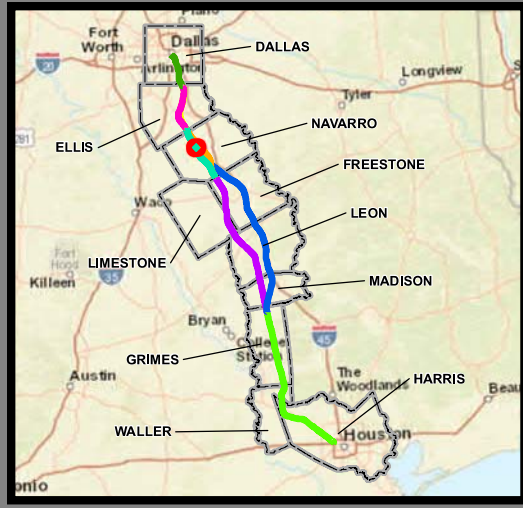
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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Mineral and Utility Resources
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Sheet 50 of 257**

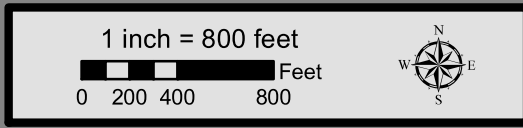
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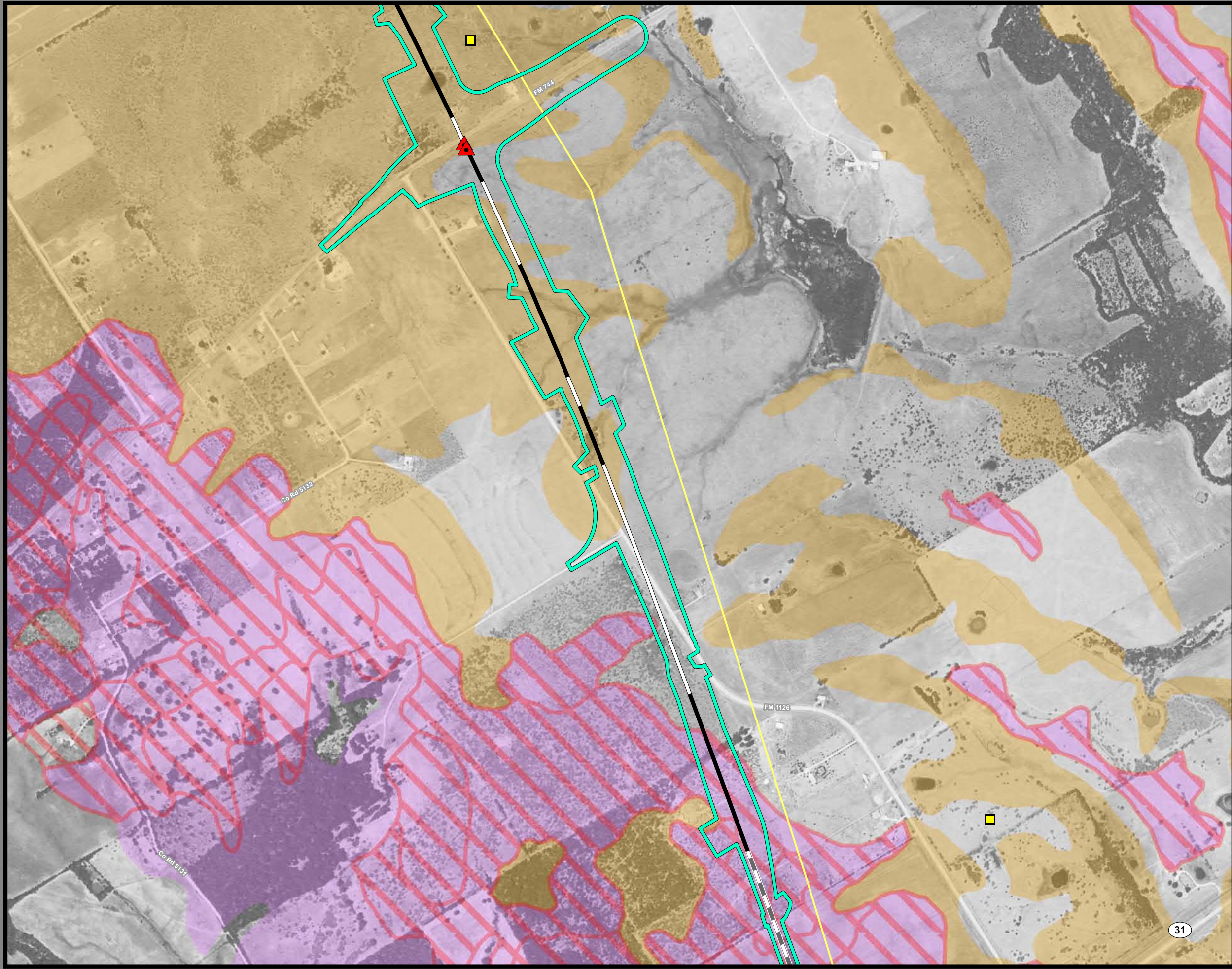
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





**Dallas to Houston
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Mineral and Utility Resources
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Sheet 51 of 257**

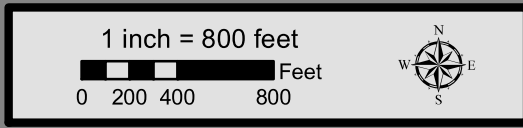
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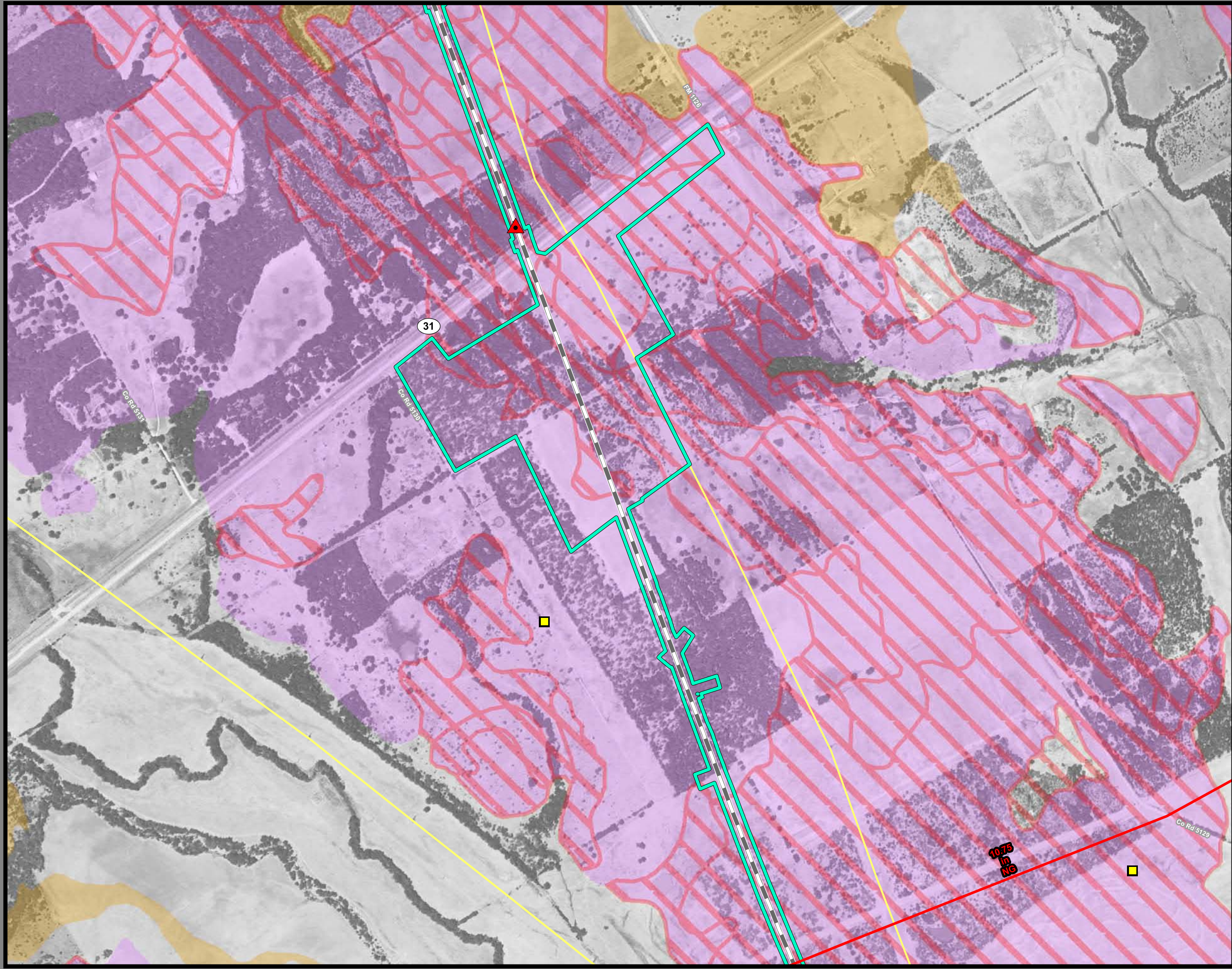
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





**Dallas to Houston
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Mineral and Utility Resources
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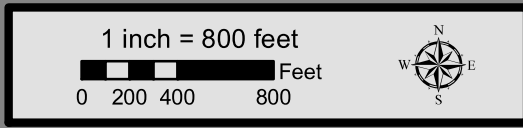
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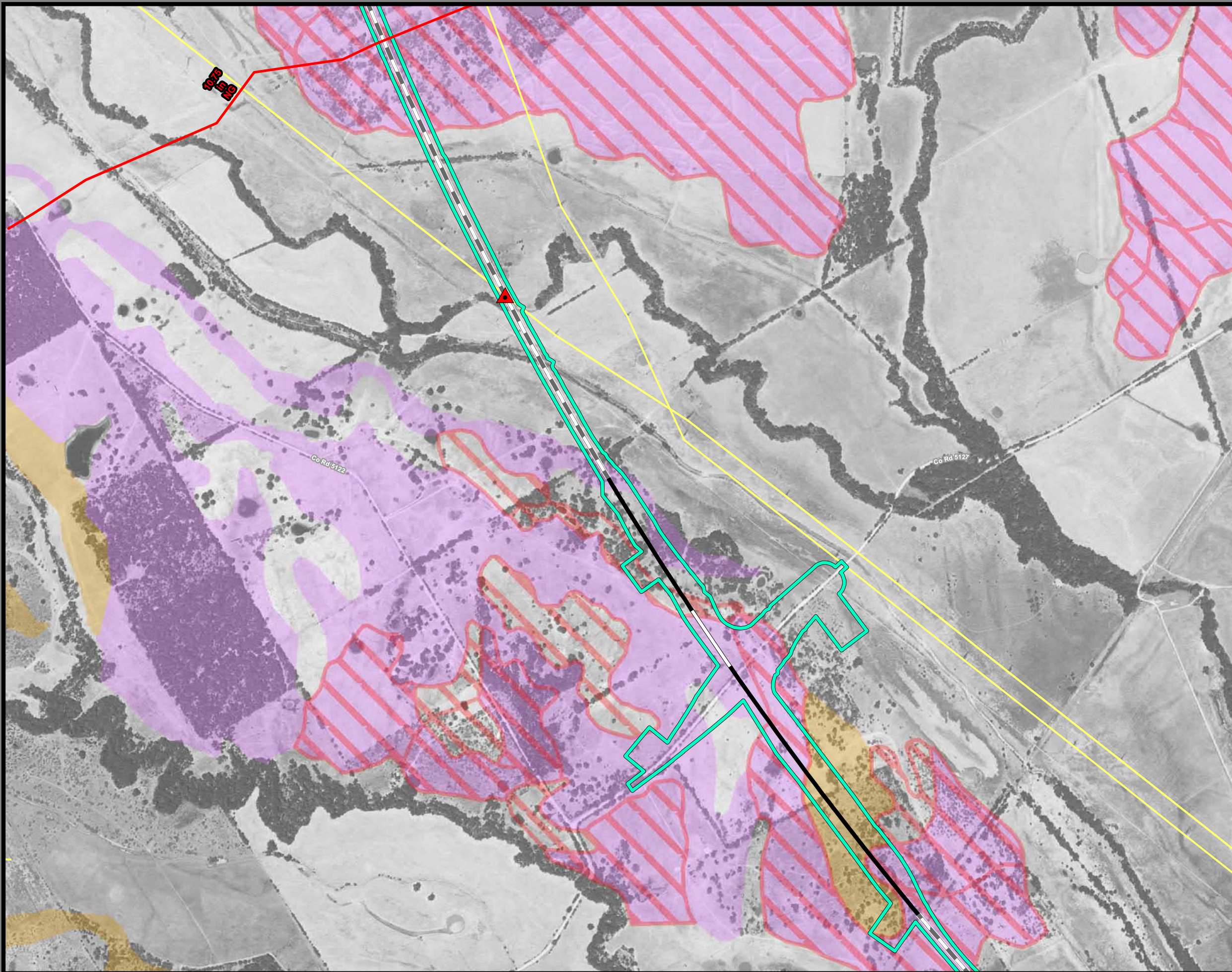
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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 90.

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





**Dallas to Houston
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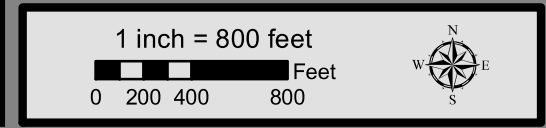
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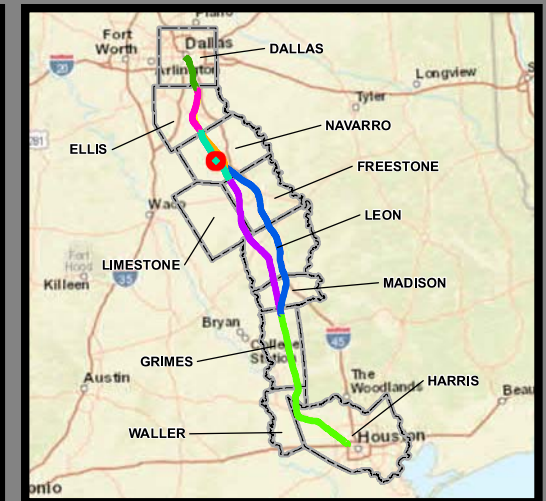
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
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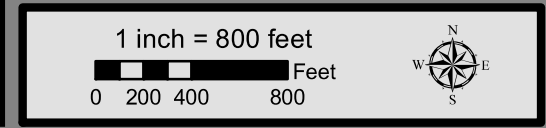
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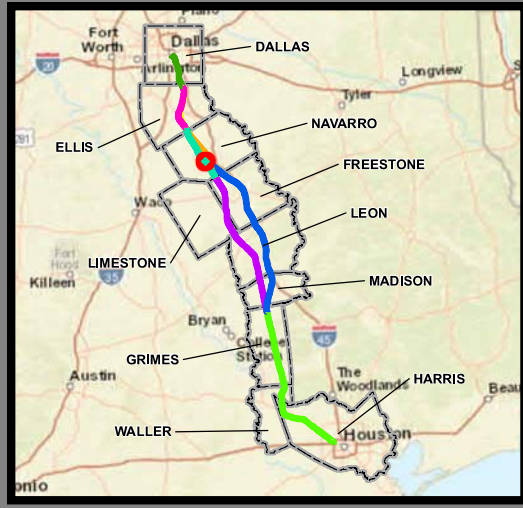
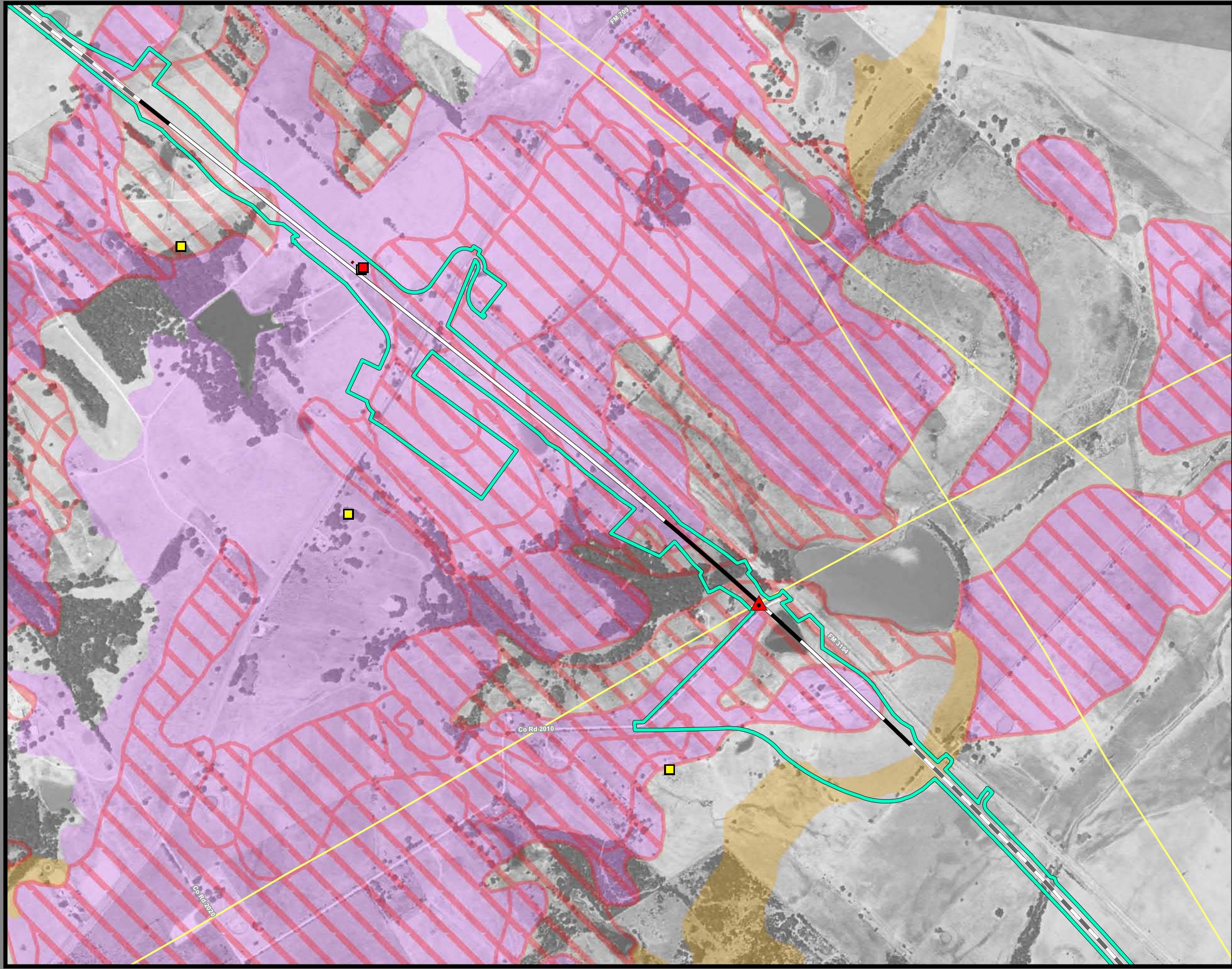
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
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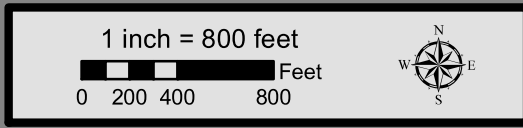
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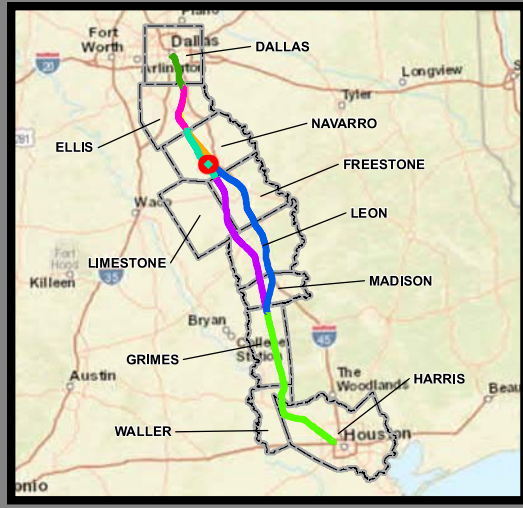
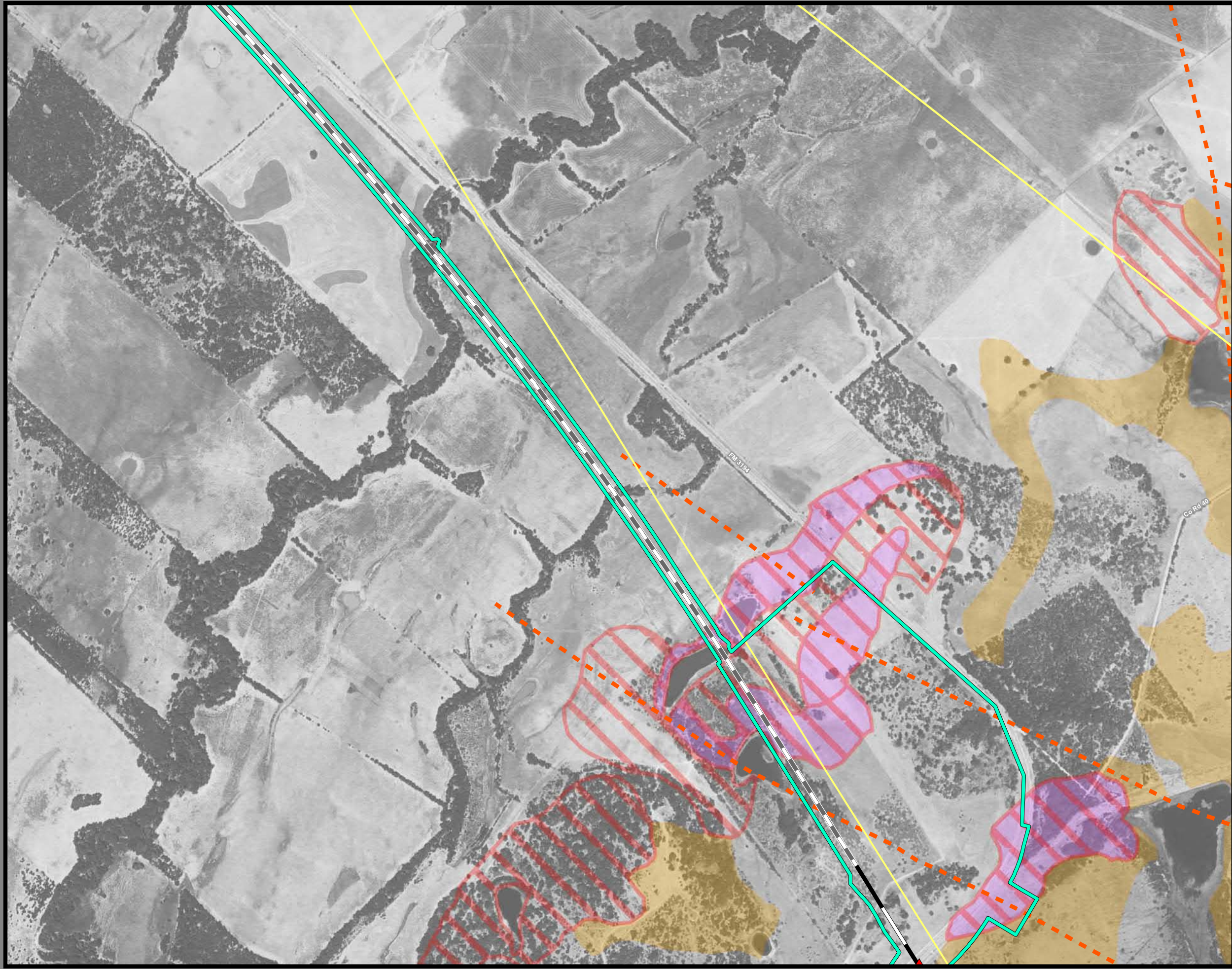
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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High-Speed Rail Project
Mineral and Utility Resources
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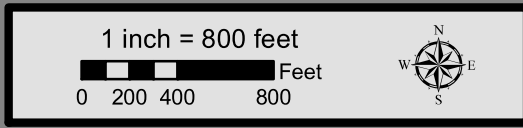
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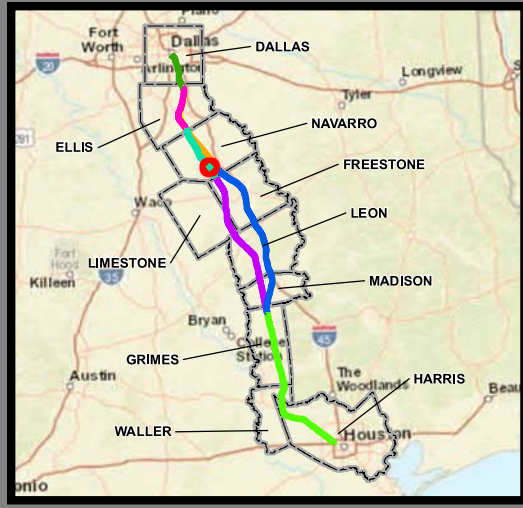
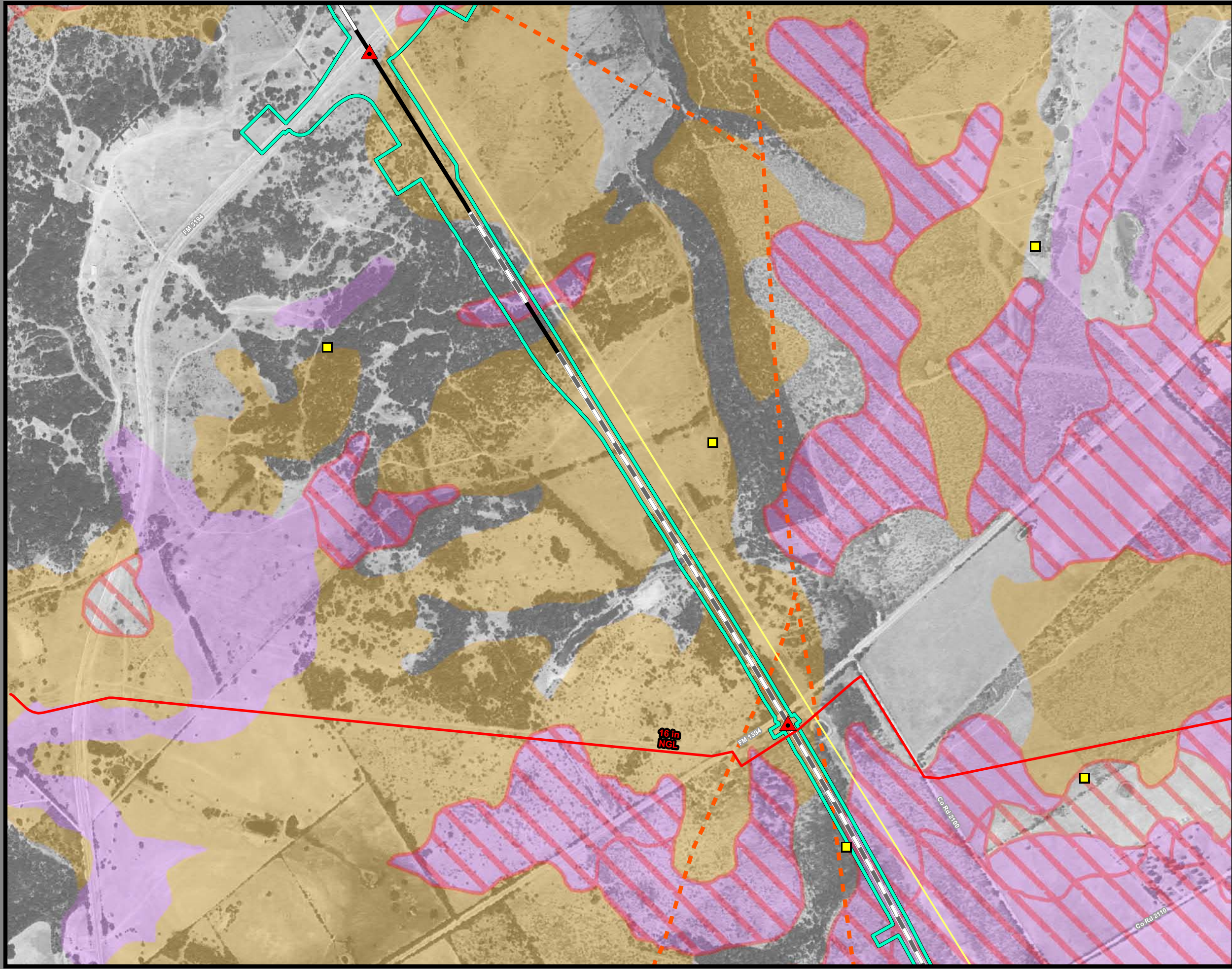
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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 94.

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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Mineral and Utility Resources
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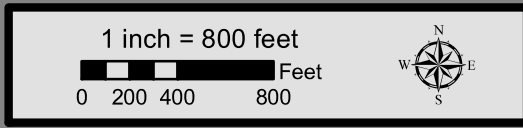
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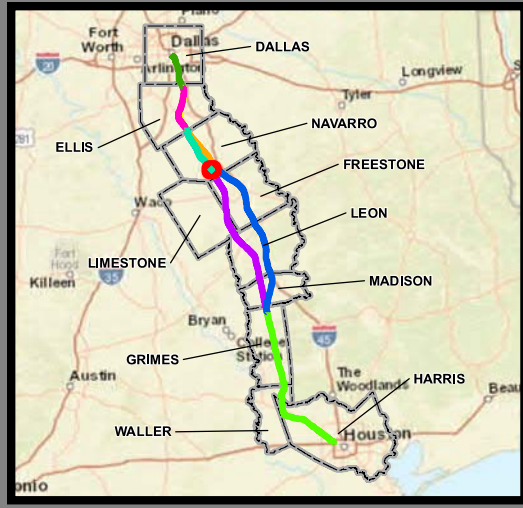
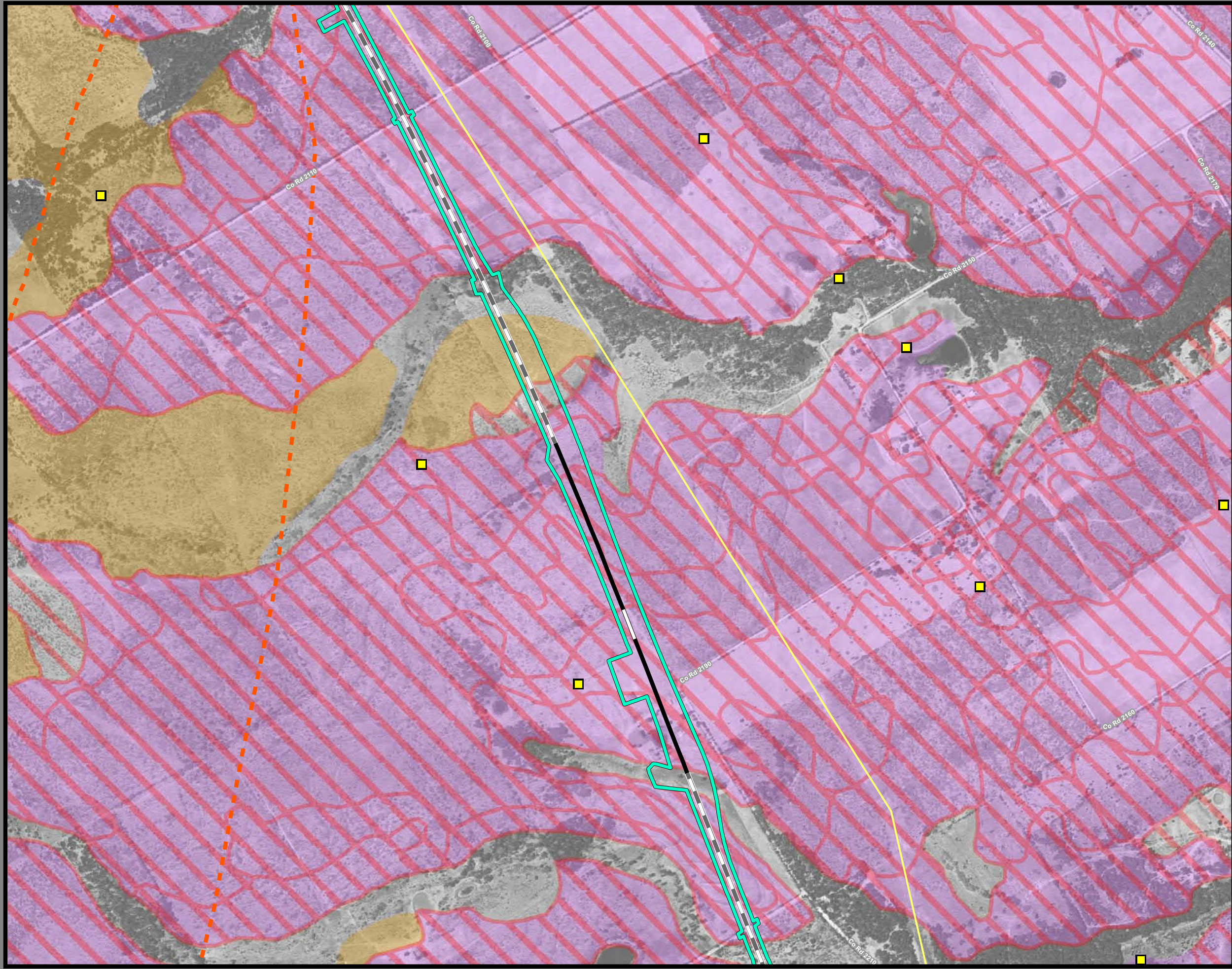
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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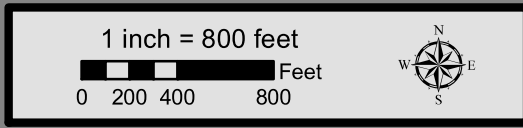
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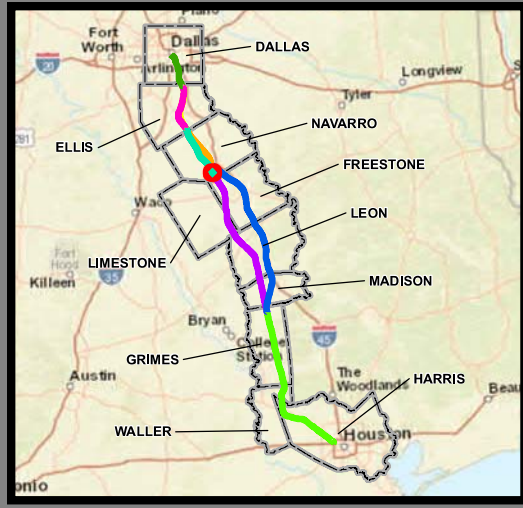
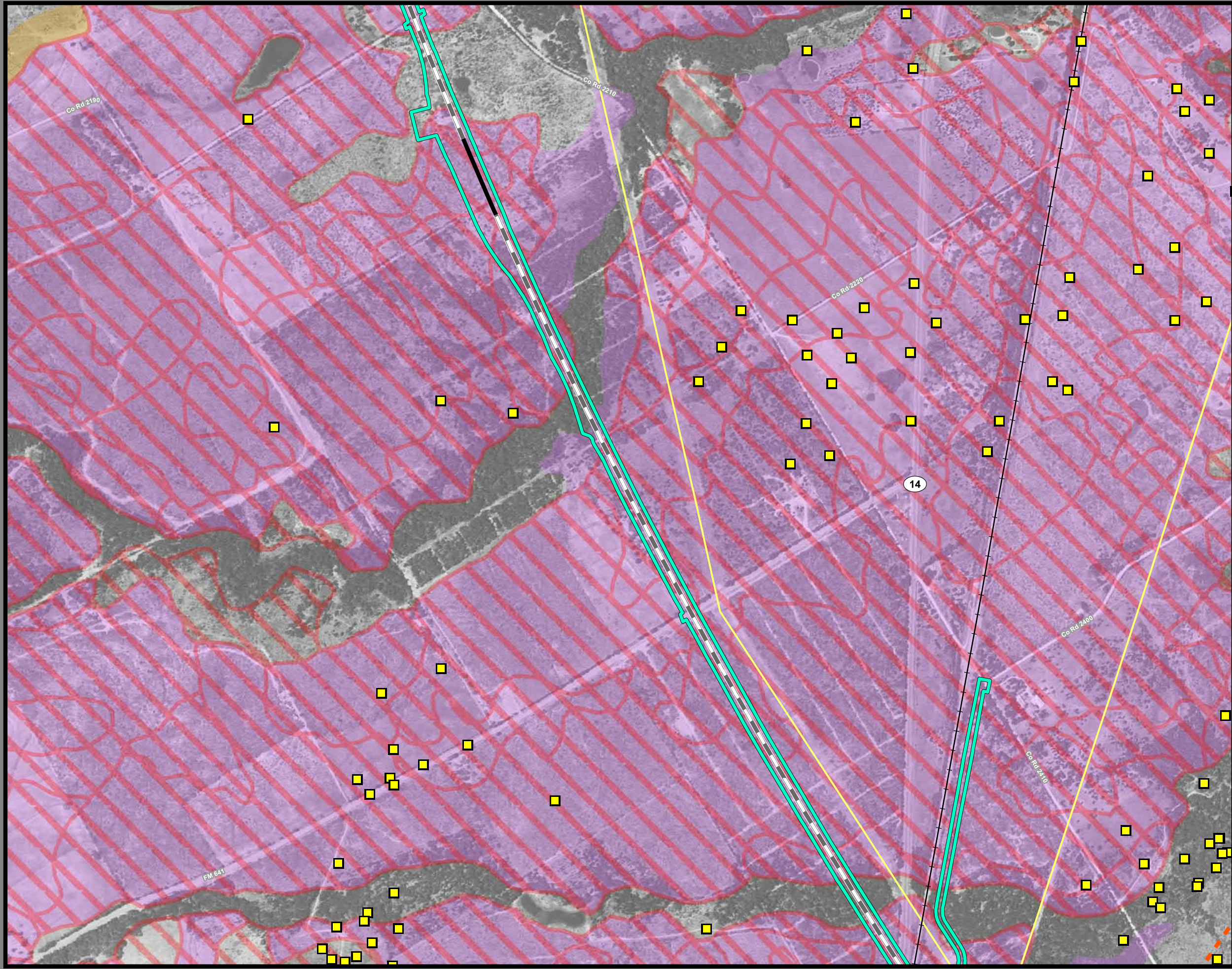
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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Sheet 59 of 257**

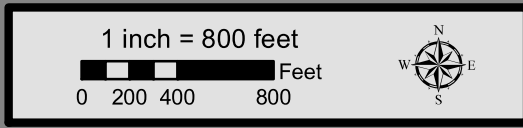
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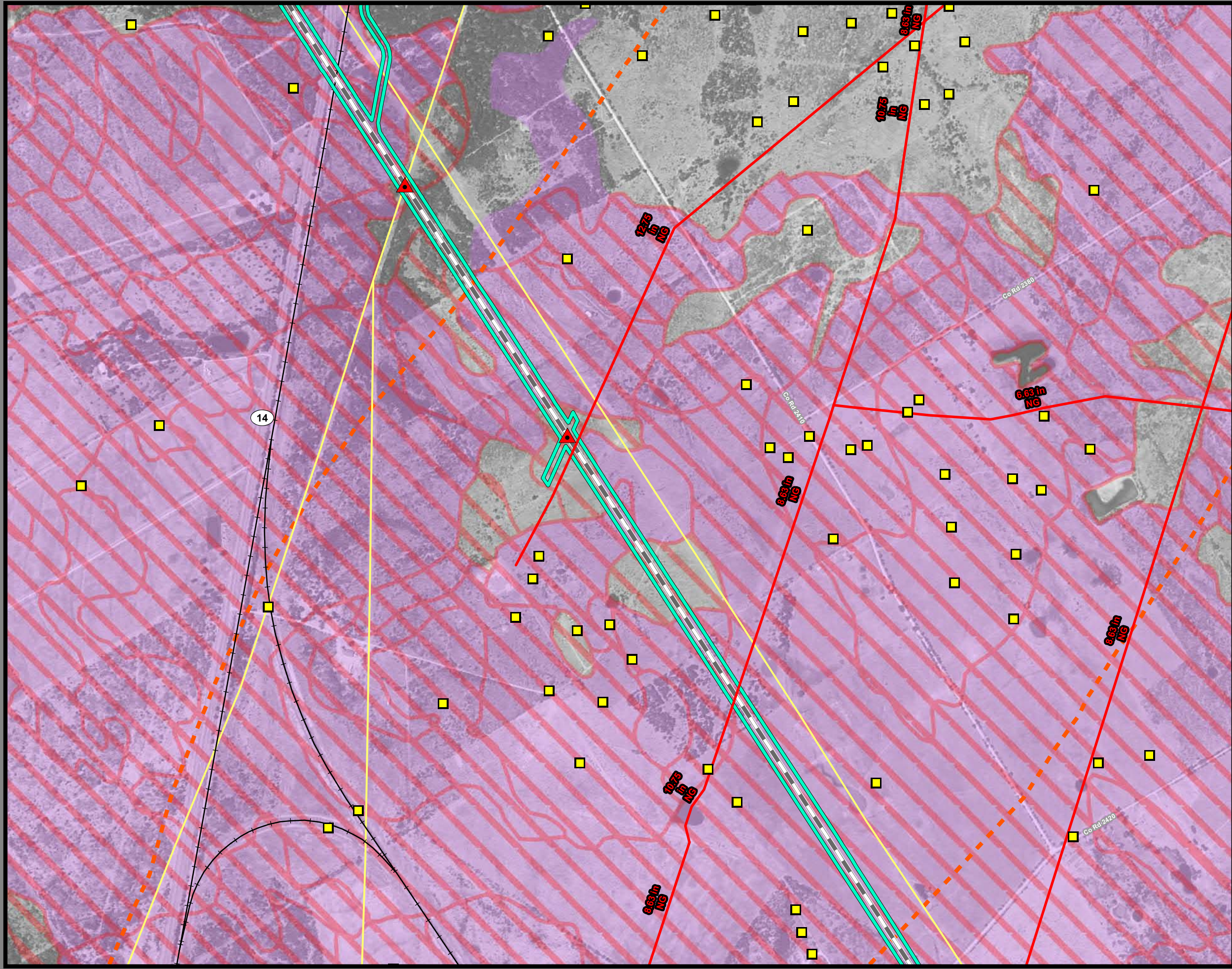
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydic
	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





**Dallas to Houston
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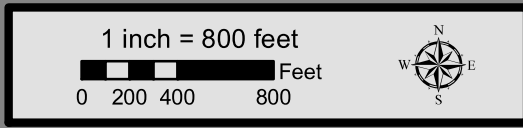
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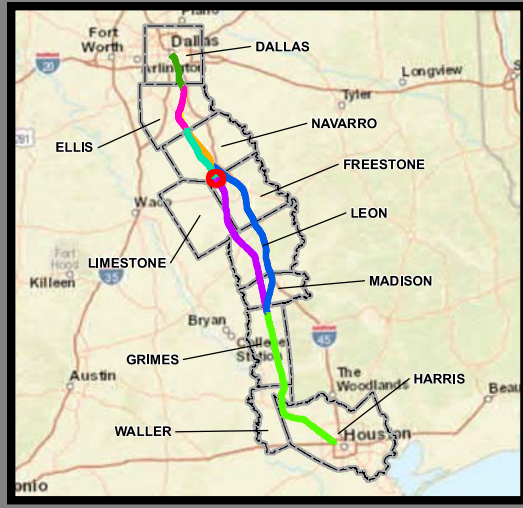
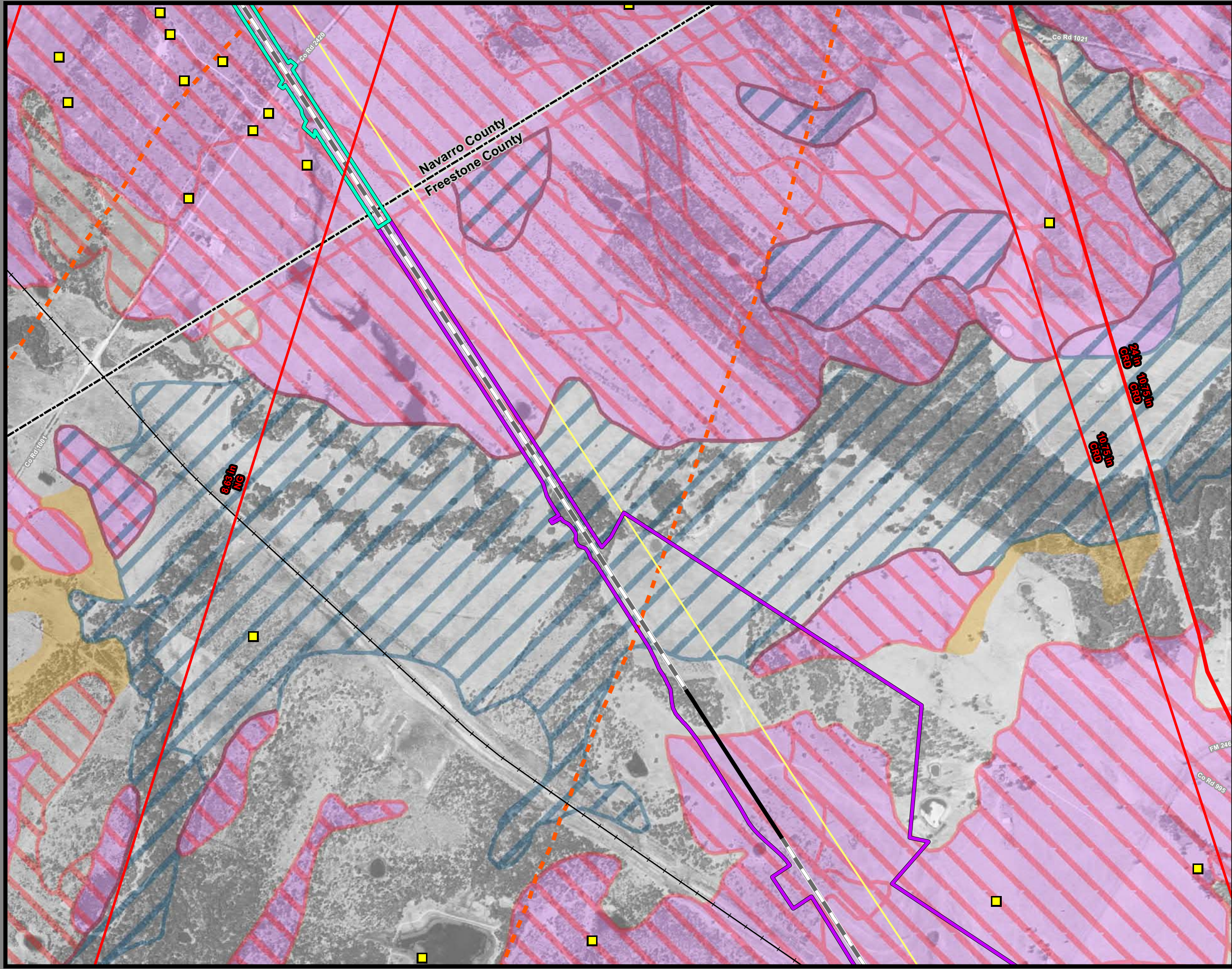
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

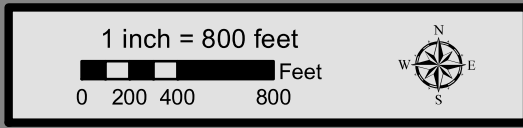
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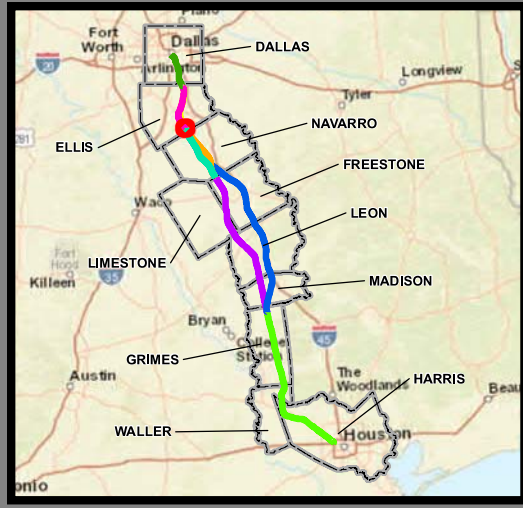
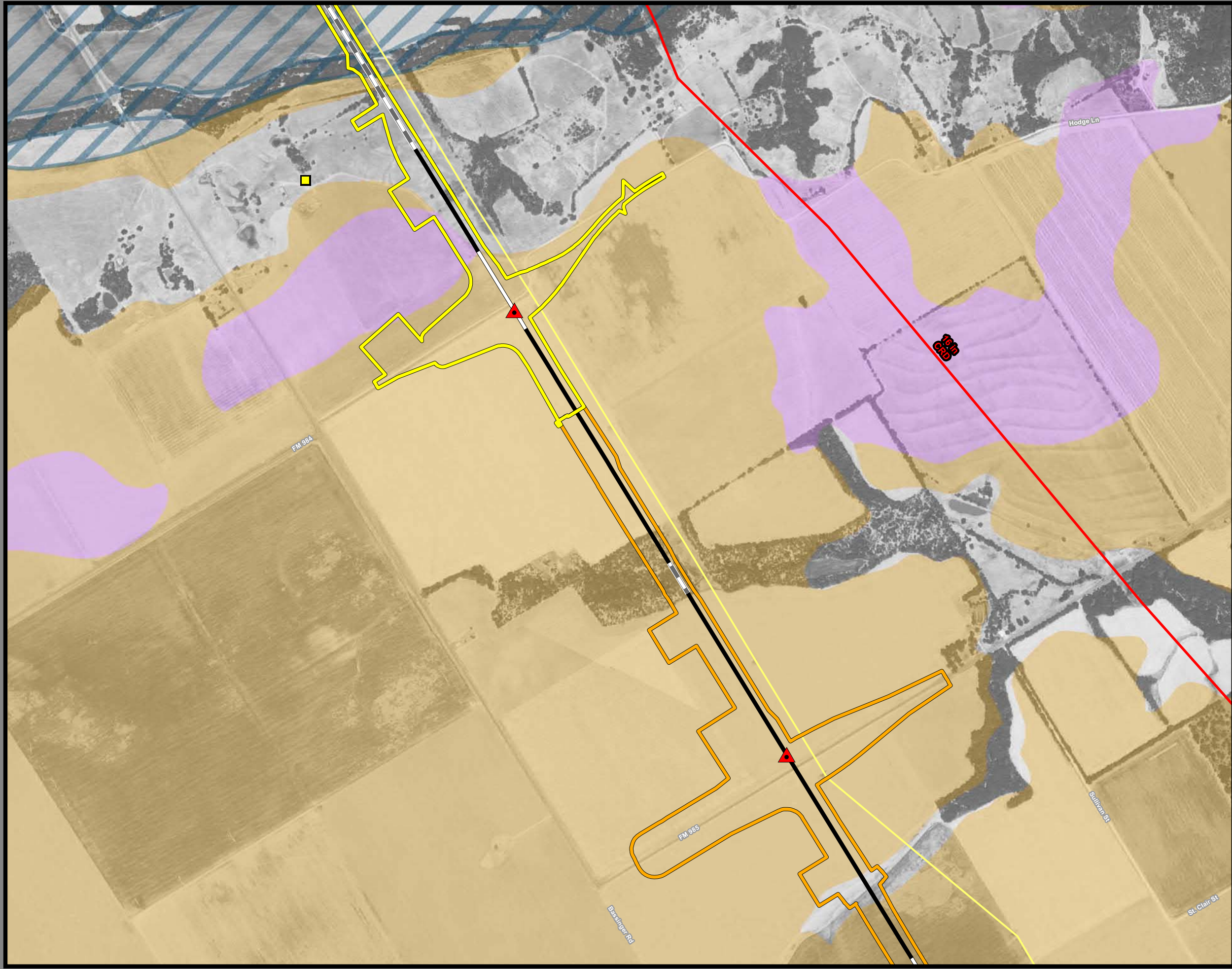
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

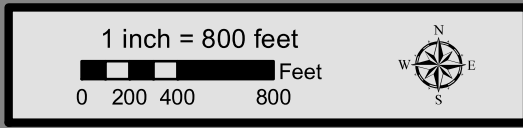
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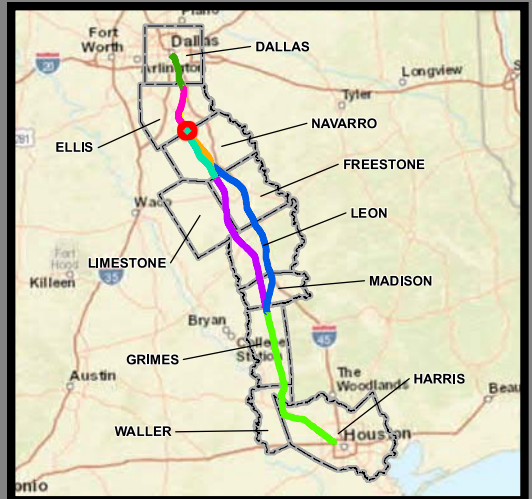
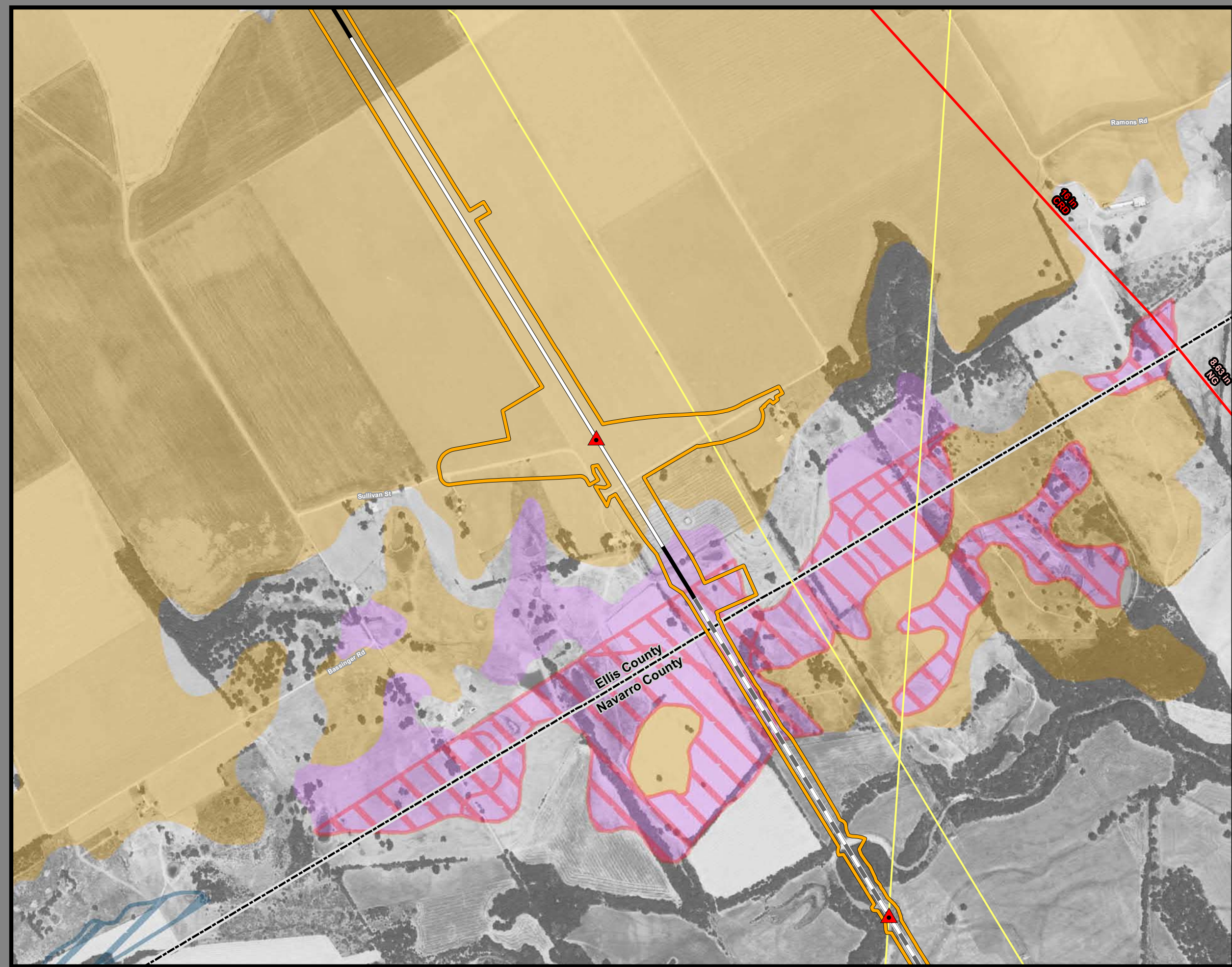
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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, 44 & 82.

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

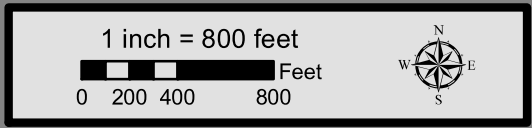
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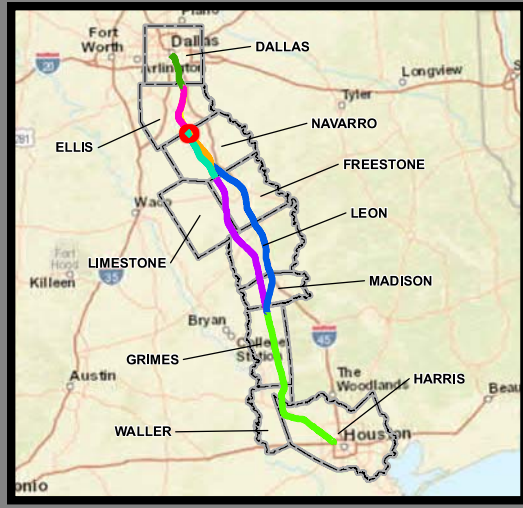
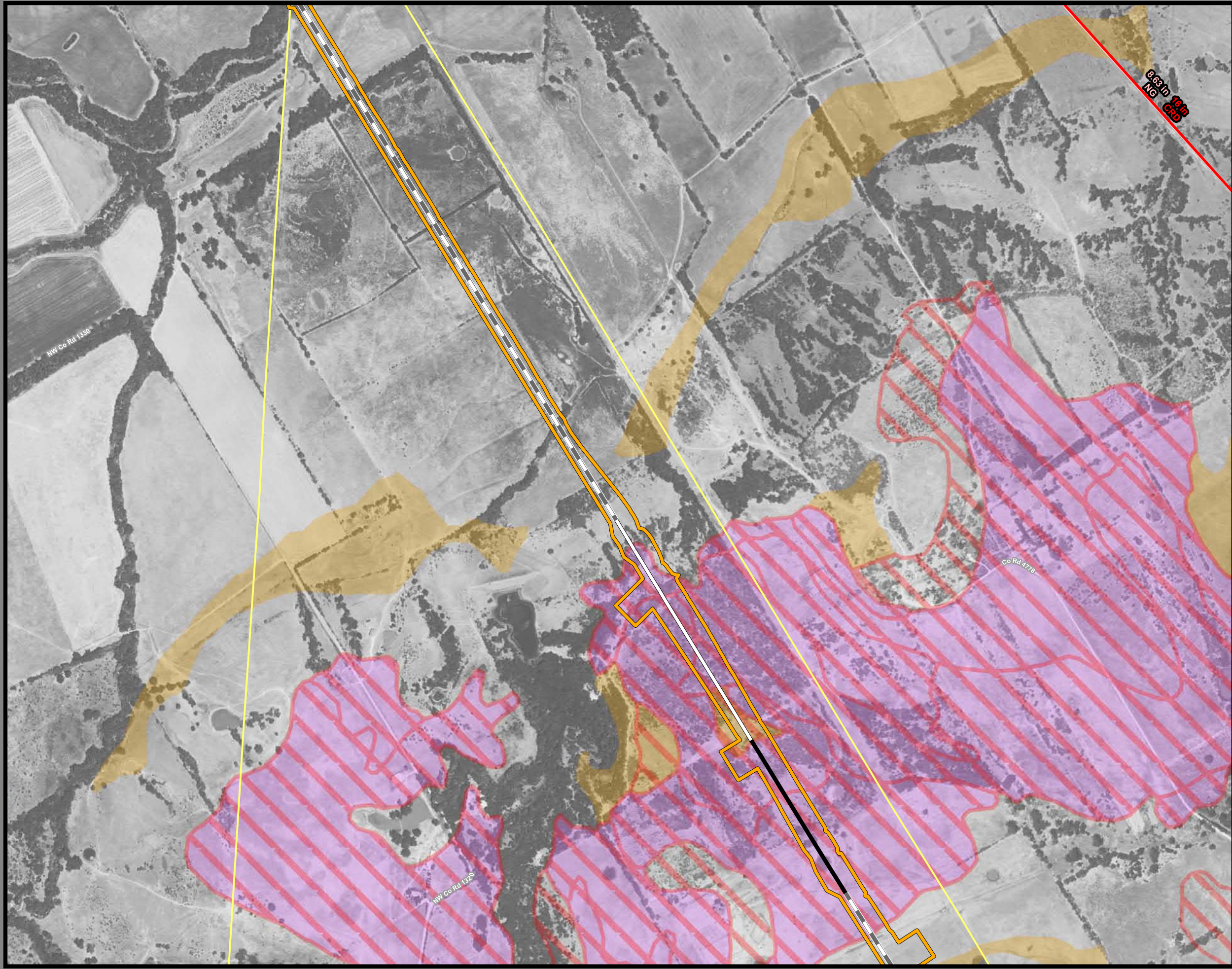
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

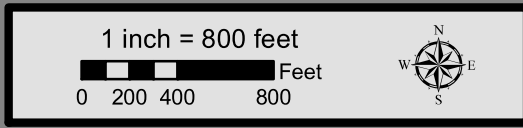
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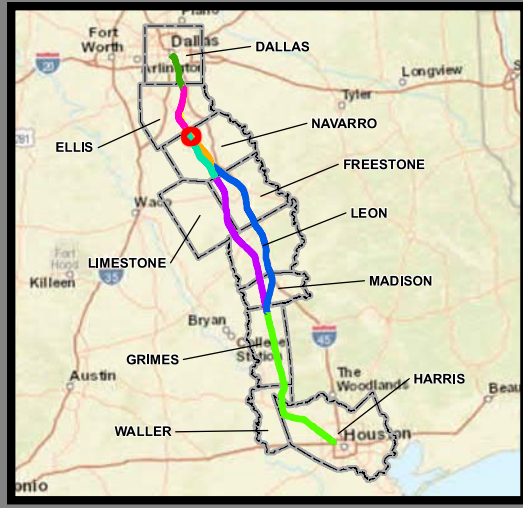
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
Sheet 65 of 257**

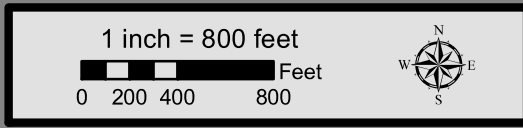
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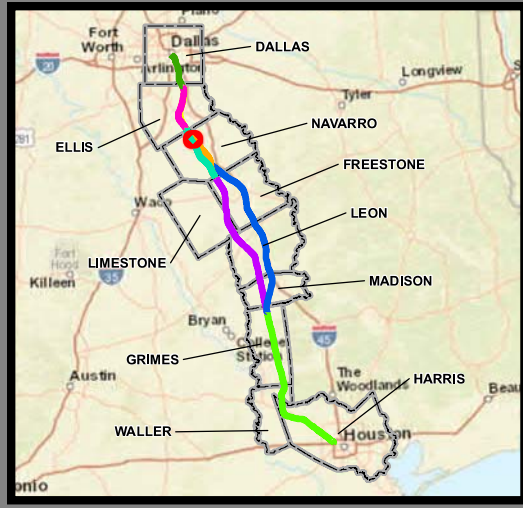
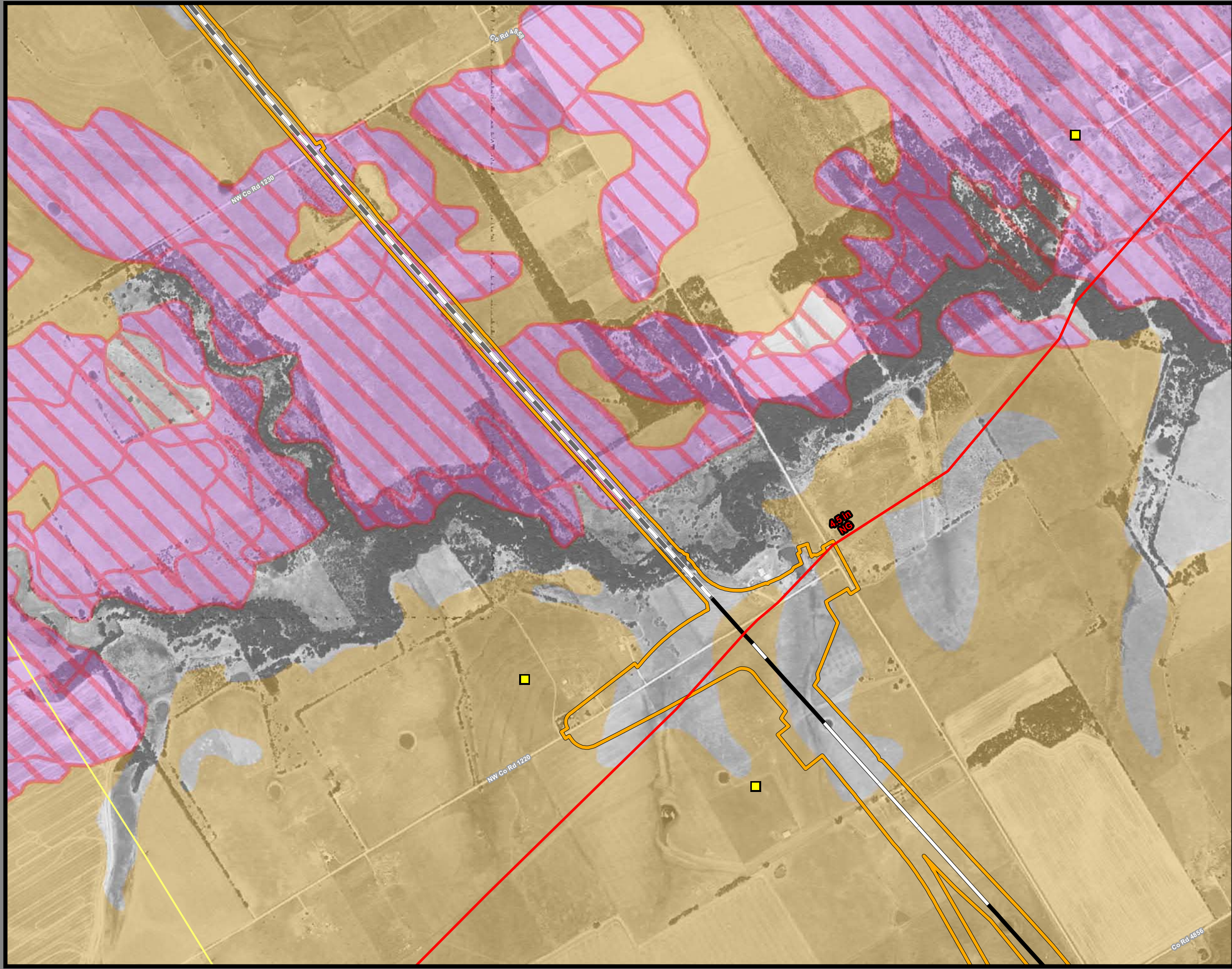
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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 46 & 84.

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
Sheet 66 of 257**

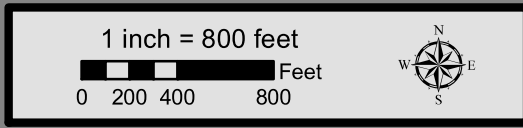
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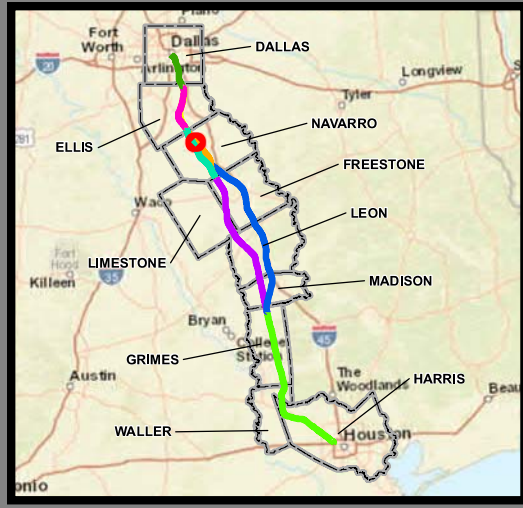
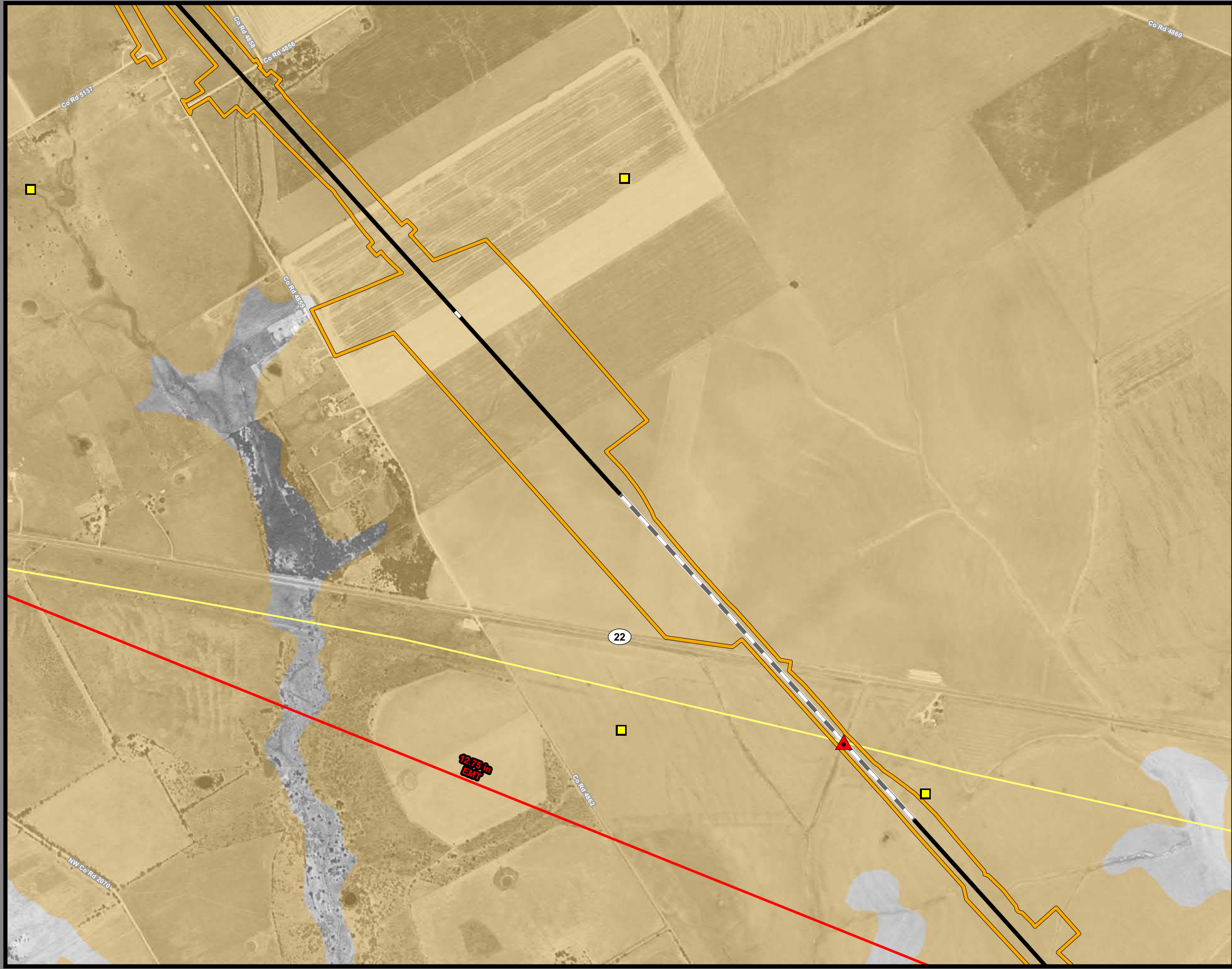
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	Soils
County Boundary	Highly Erodible
Railroad	Hydric
Faults	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 47 & 85.

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





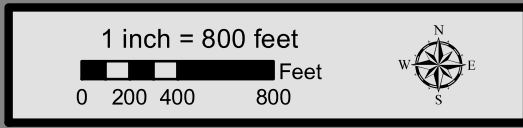
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
Sheet 67 of 257**

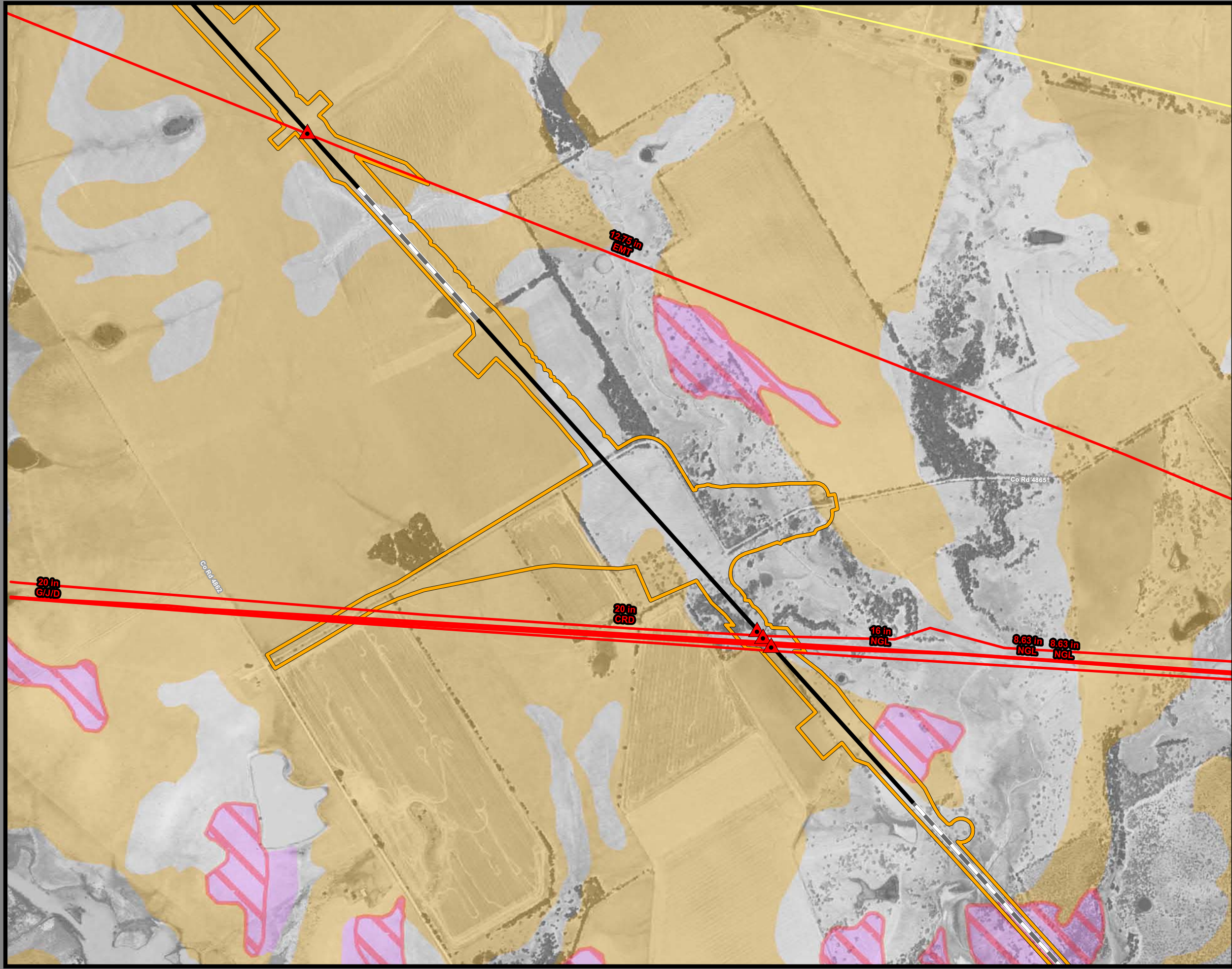
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Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydric
	Prime Farmland
	Farmland of Statewide Importance
	Prime Farmland if Drained

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





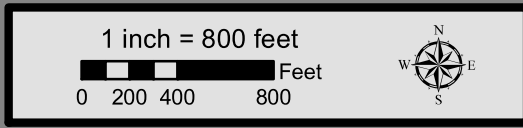
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
Sheet 68 of 257**

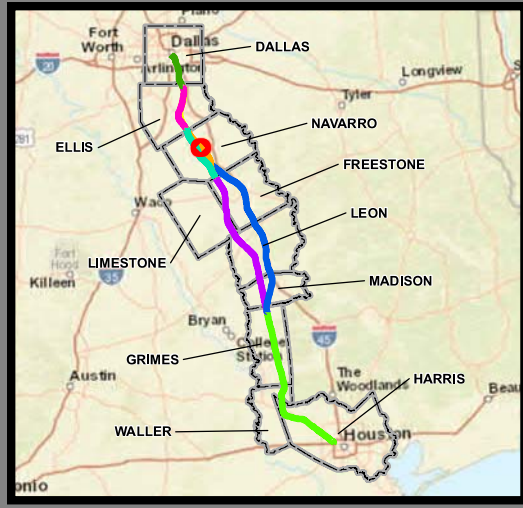
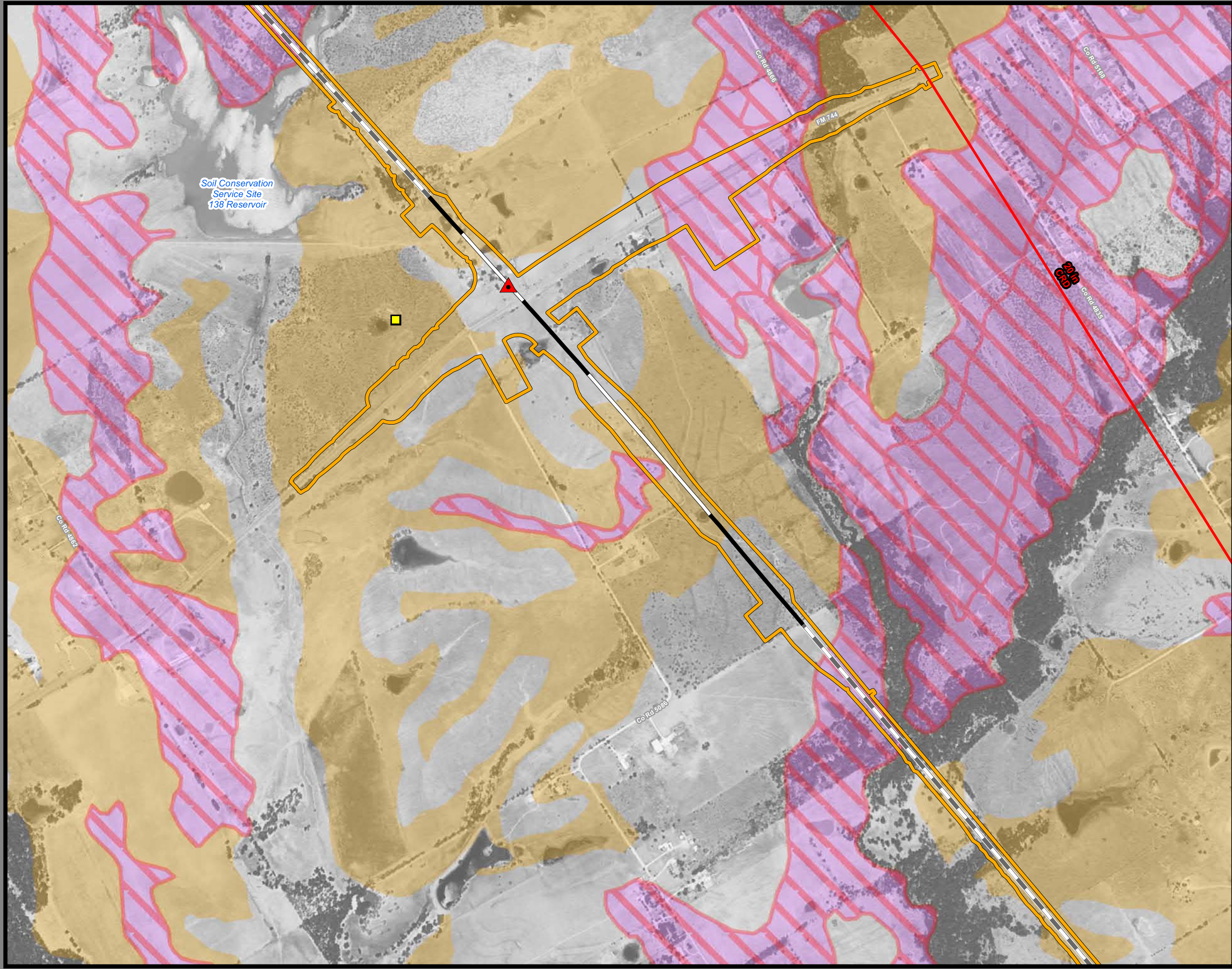
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Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydric
	Prime Farmland
	Farmland of Statewide Importance
	Prime Farmland if Drained

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





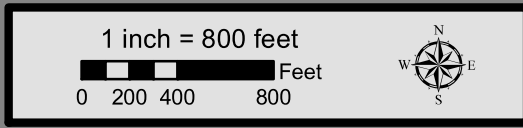
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
Sheet 69 of 257**

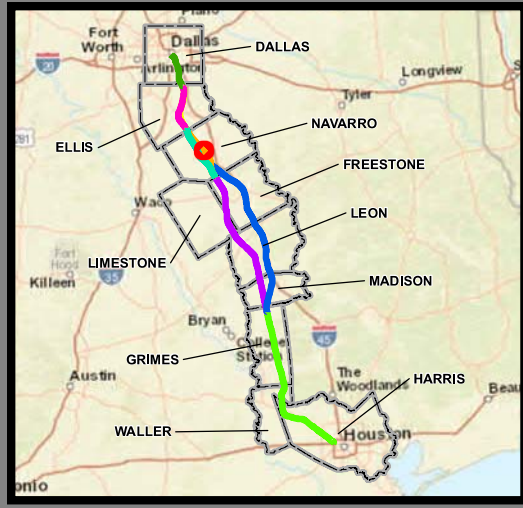
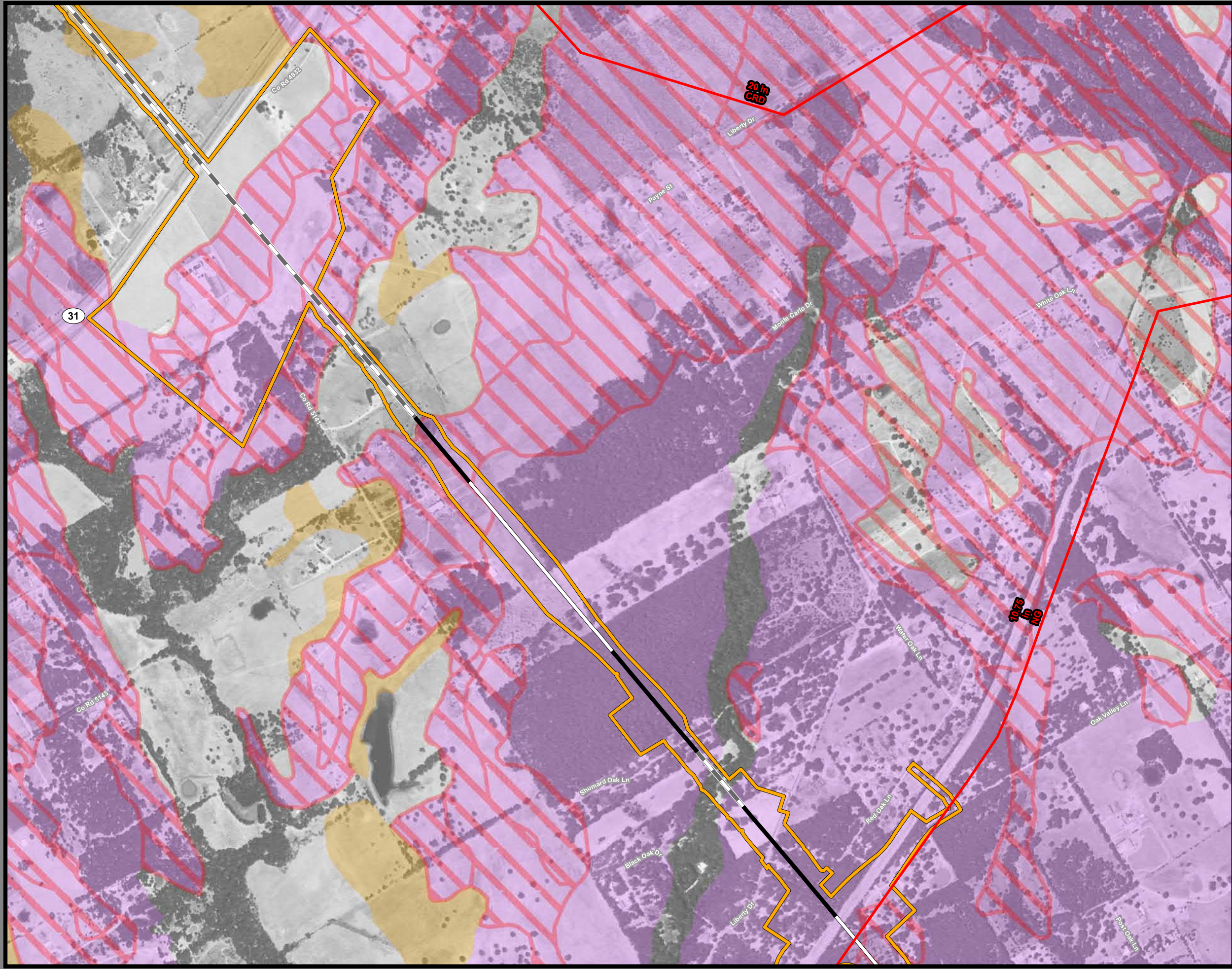
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Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydric
	Prime Farmland
	Farmland of Statewide Importance
	Prime Farmland if Drained

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





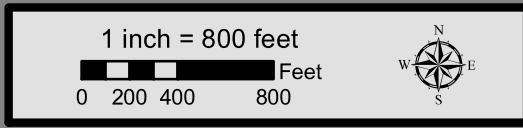
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
Sheet 70 of 257**

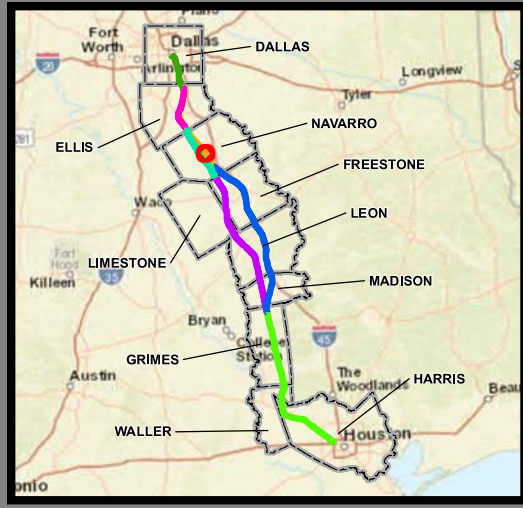
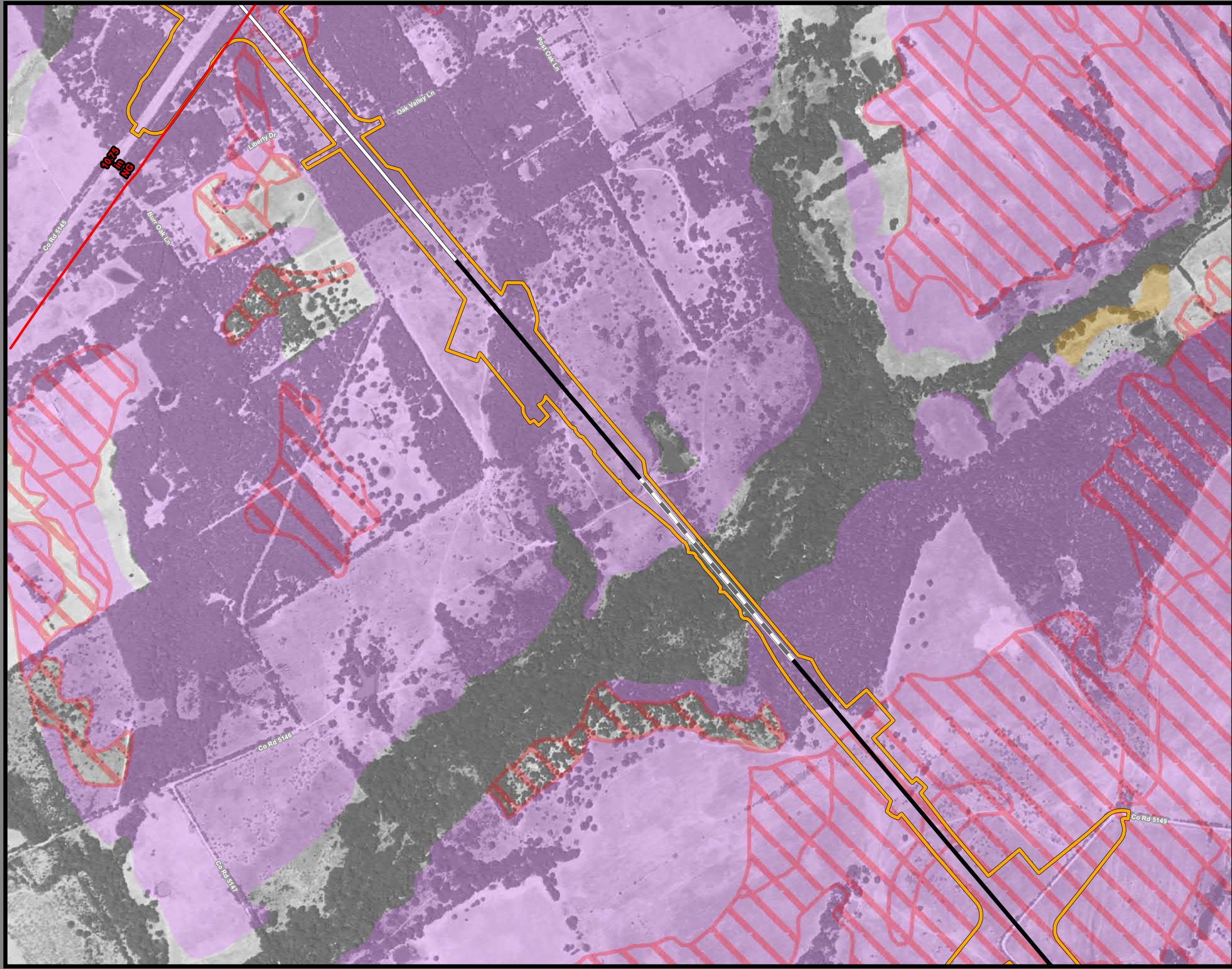
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Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydric
	Prime Farmland
	Farmland of Statewide Importance
	Prime Farmland if Drained

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





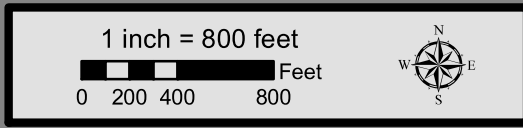
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
Sheet 71 of 257**

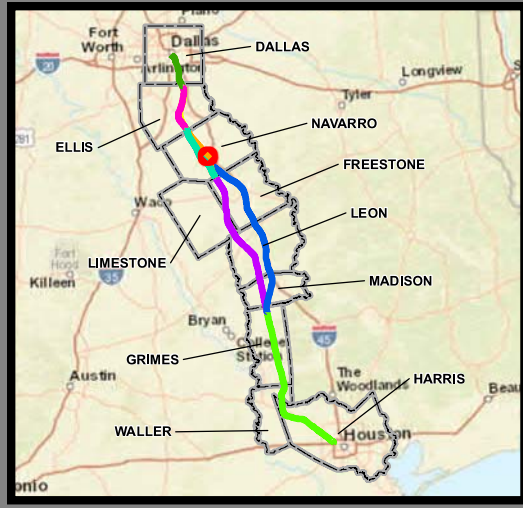
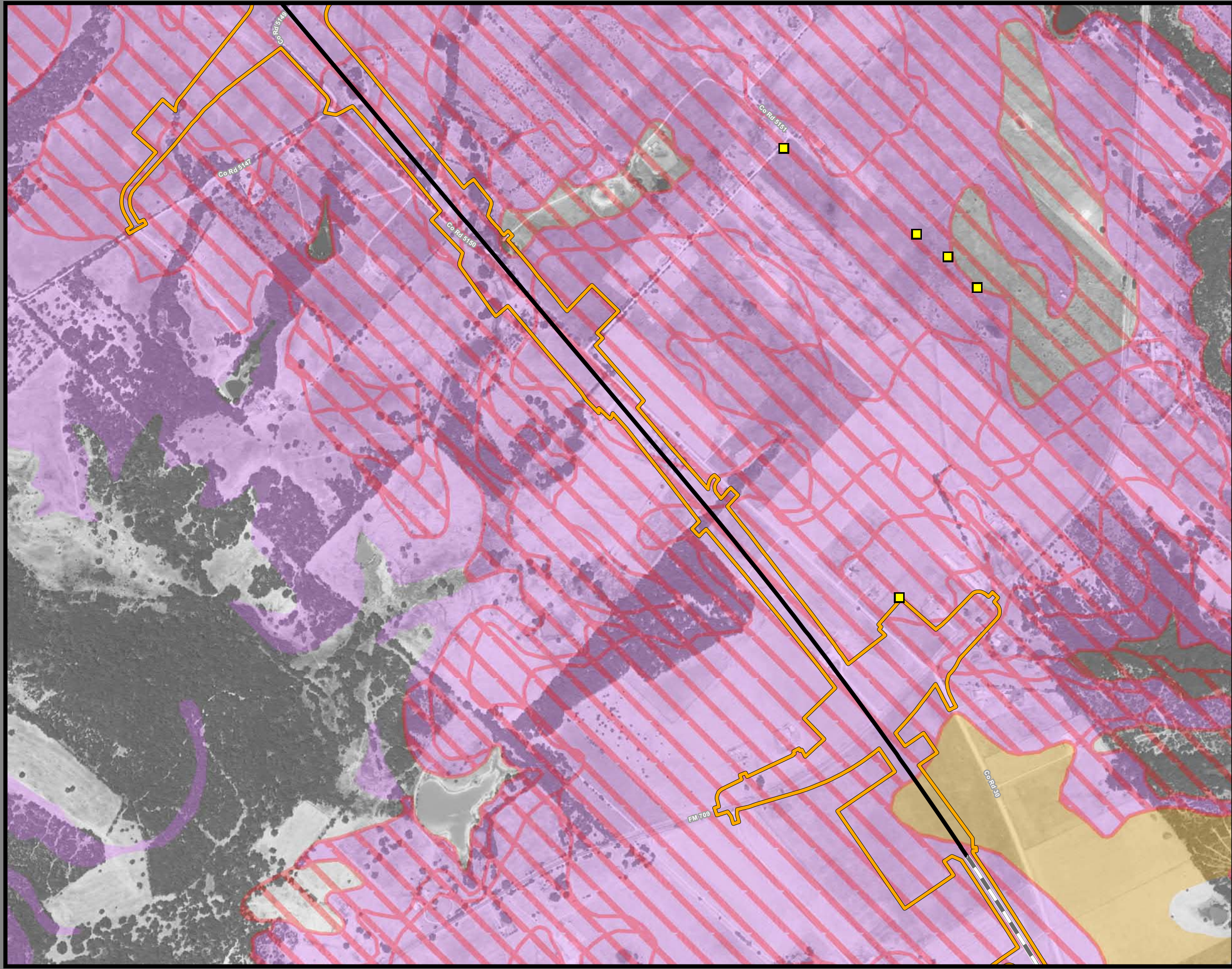
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Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydric
	Prime Farmland
	Farmland of Statewide Importance
	Prime Farmland if Drained

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





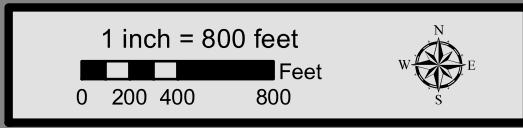
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3B
Sheet 72 of 257**

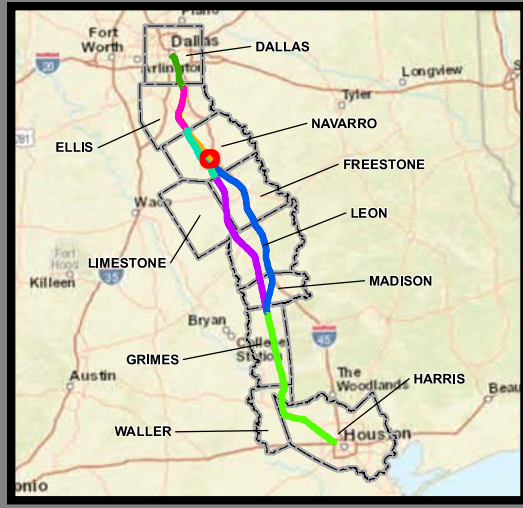
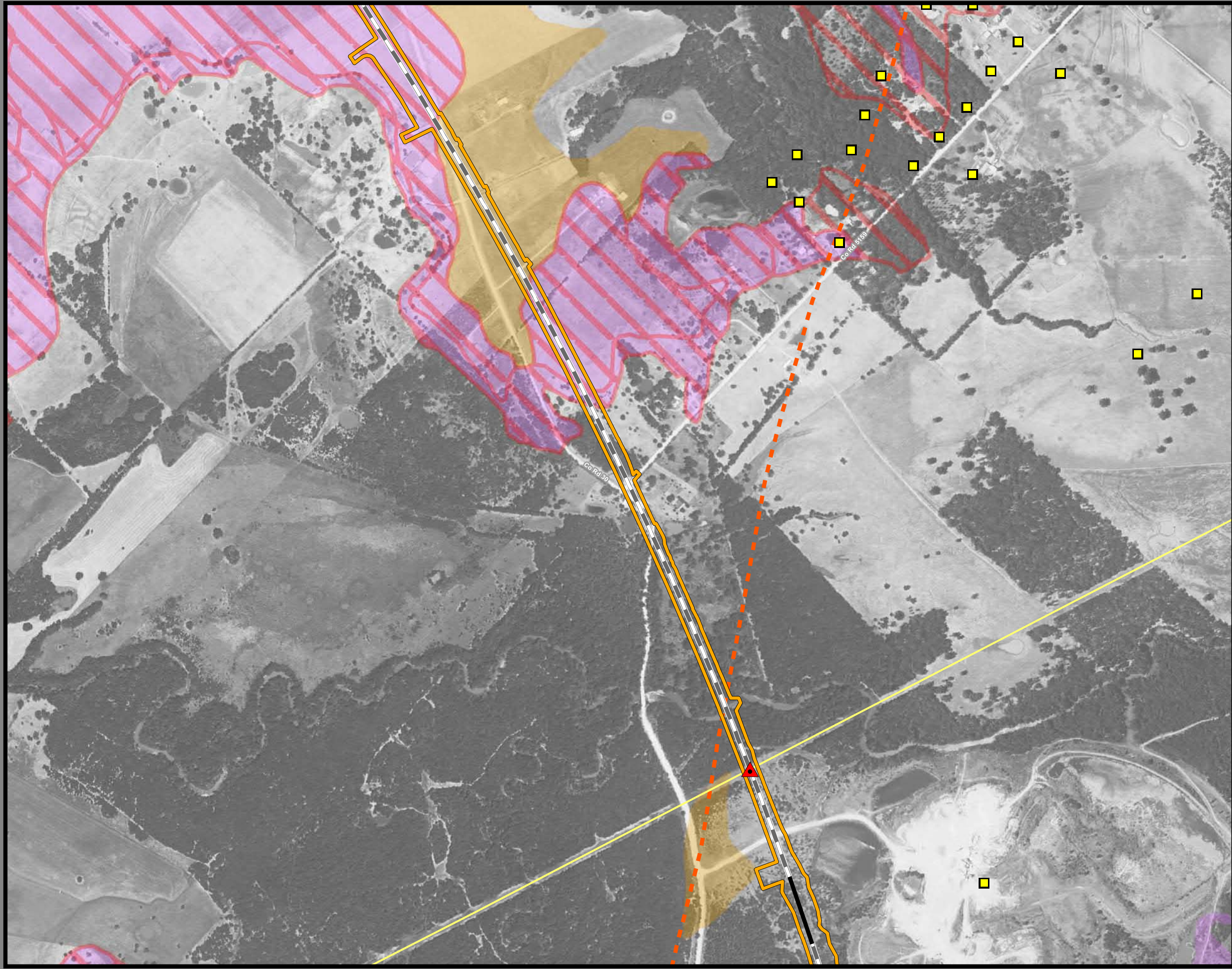
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Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydric
	Prime Farmland
	Farmland of Statewide Importance
	Prime Farmland if Drained

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





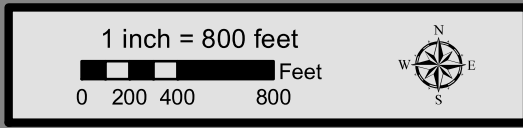
**Dallas to Houston
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Segment 3B
Sheet 73 of 257**

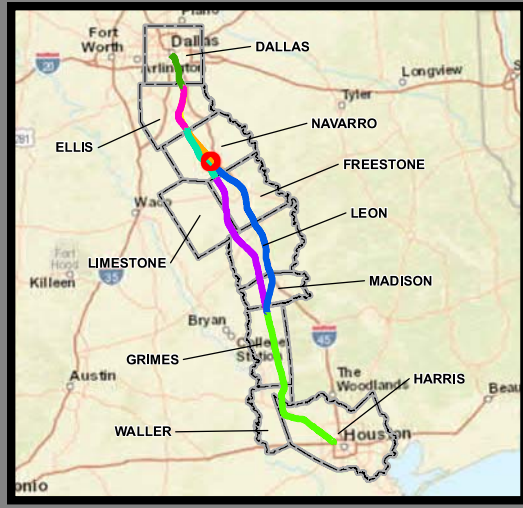
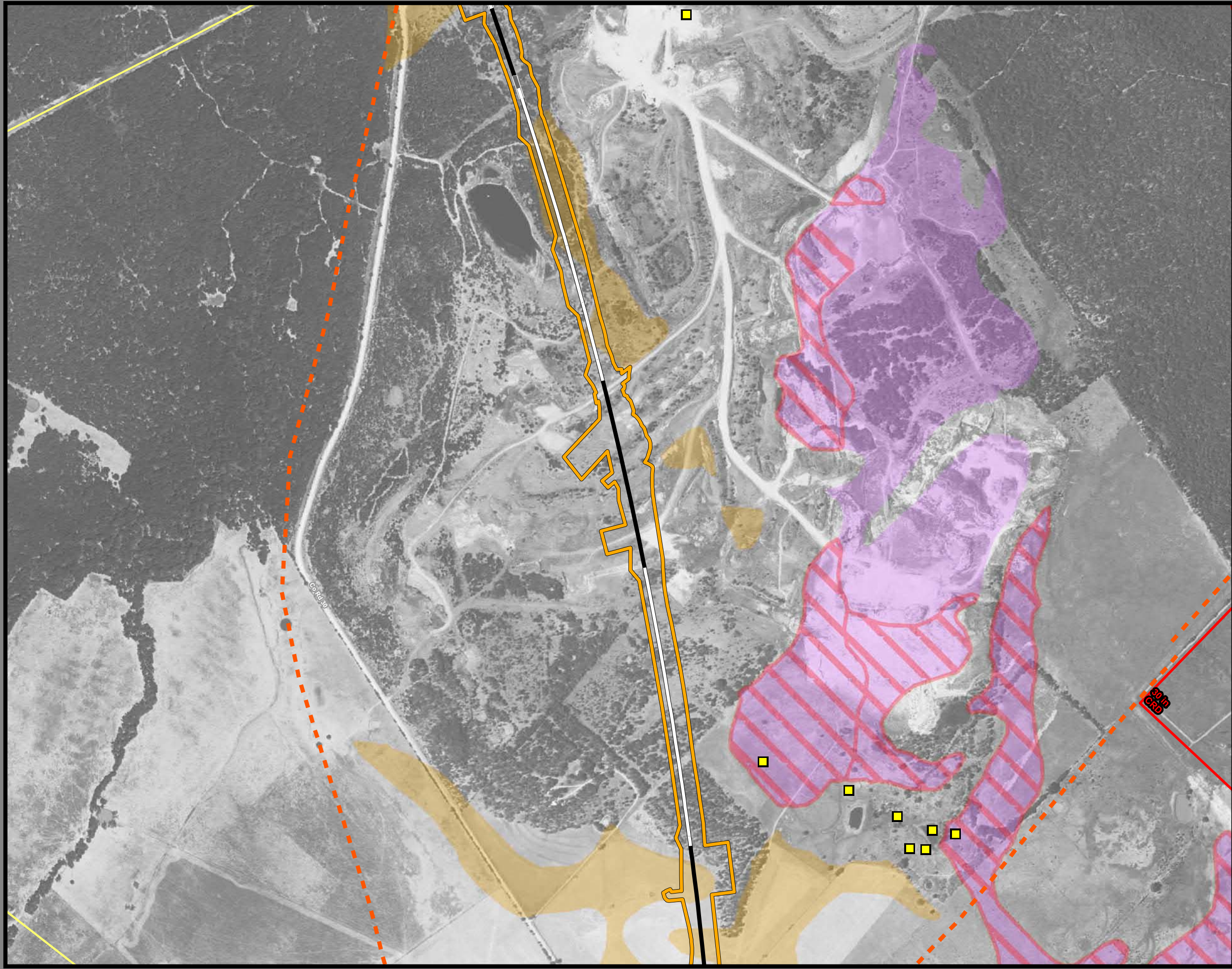
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Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydric
	Prime Farmland
	Farmland of Statewide Importance
	Prime Farmland if Drained

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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High-Speed Rail Project
Mineral and Utility Resources
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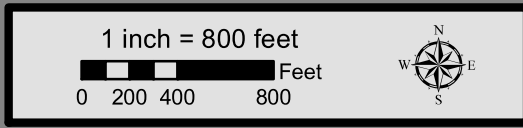
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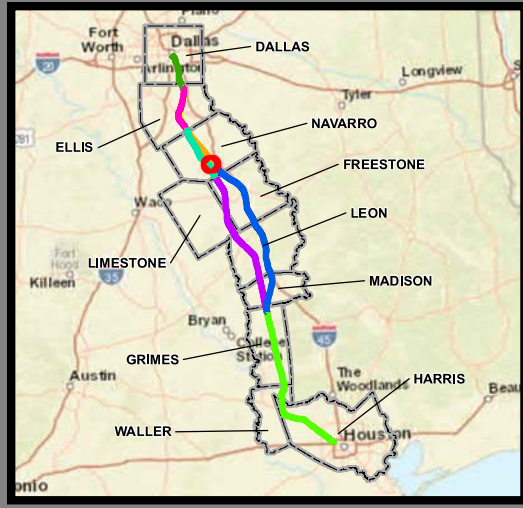
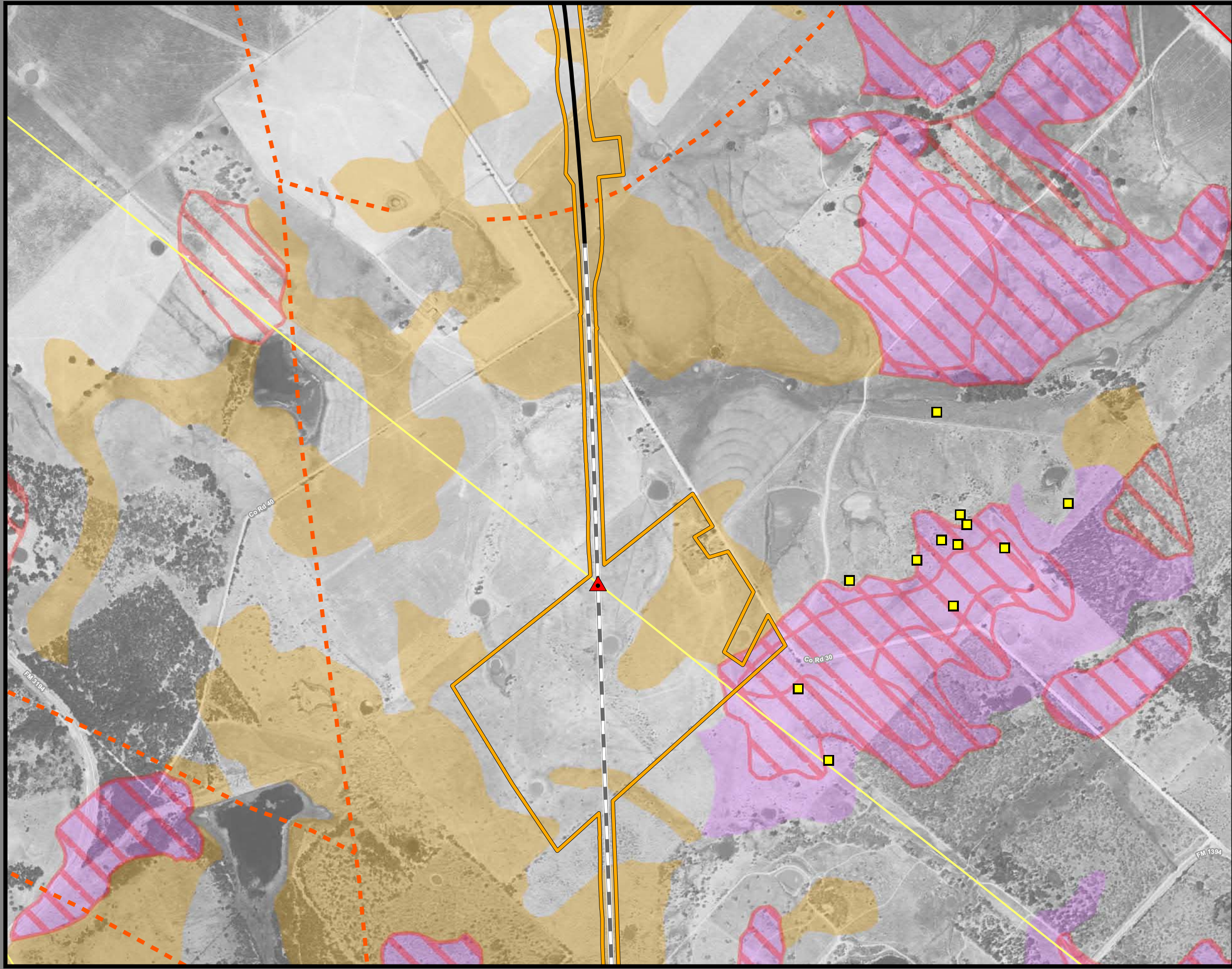
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydric
	Prime Farmland
	Farmland of Statewide Importance
	Prime Farmland if Drained

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

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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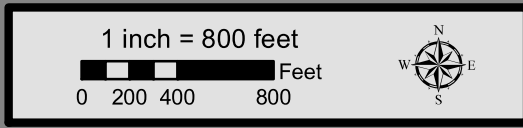
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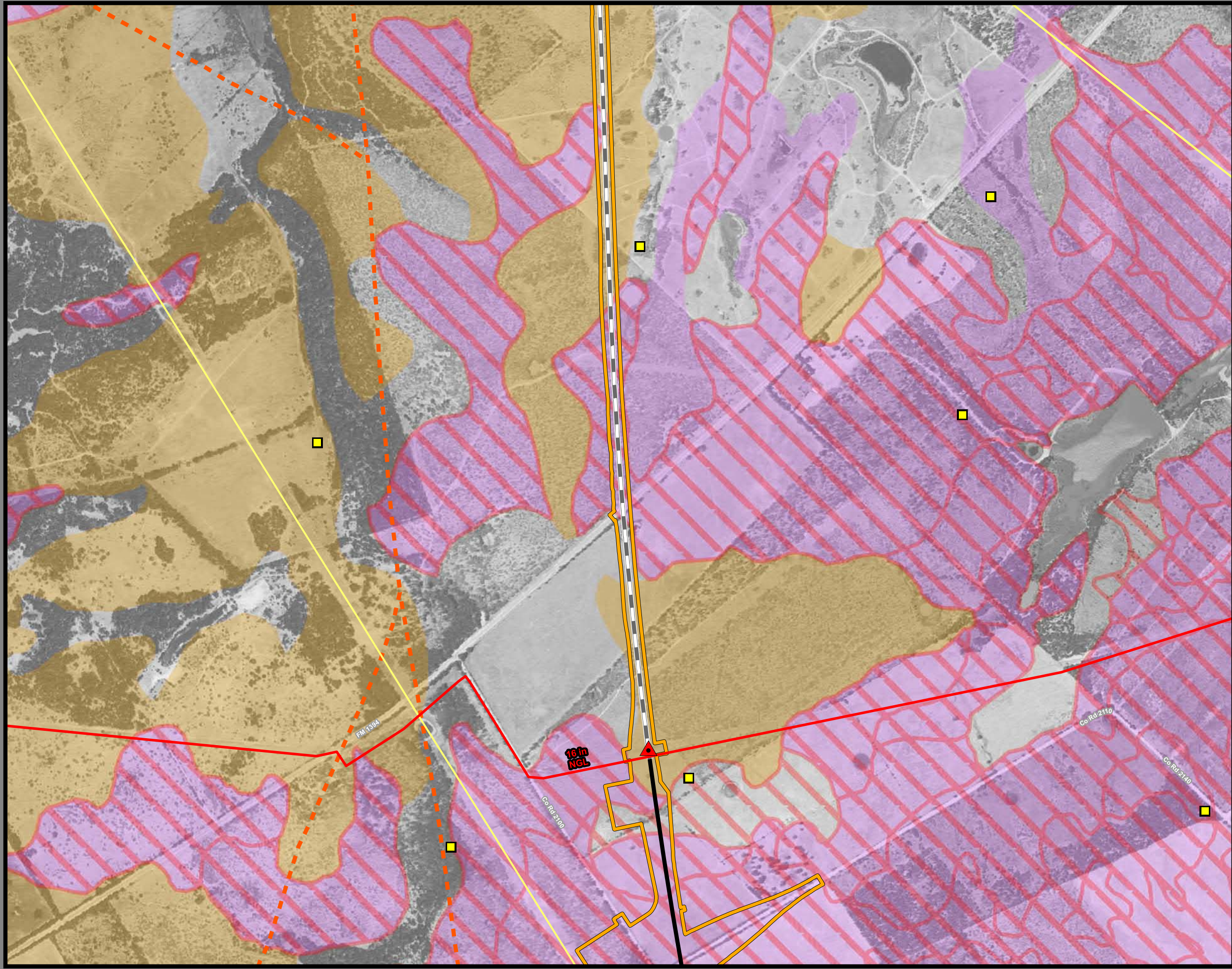
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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High-Speed Rail Project
Mineral and Utility Resources
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Sheet 76 of 257**

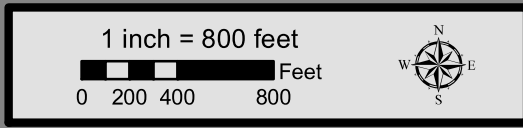
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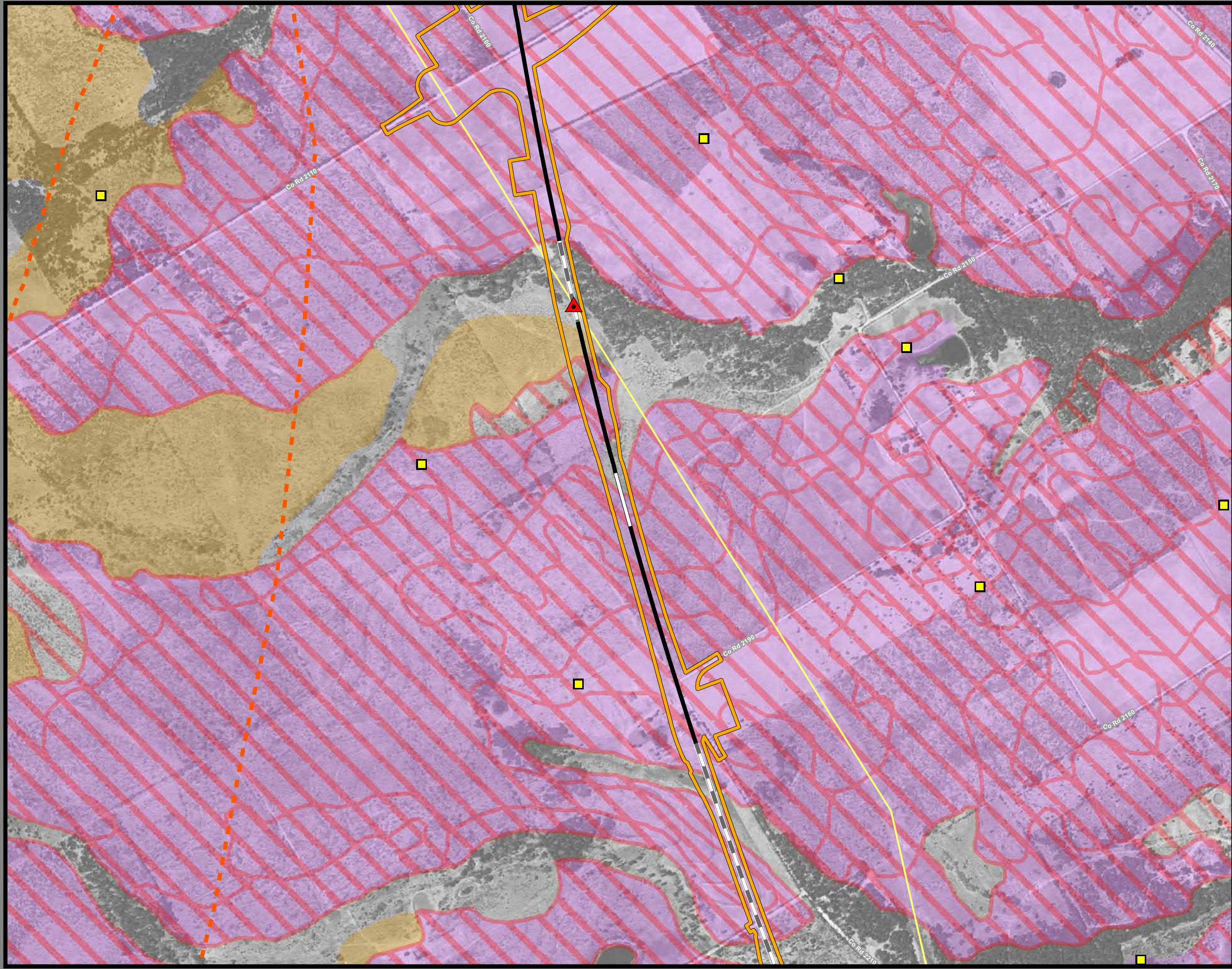
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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High-Speed Rail Project
Mineral and Utility Resources
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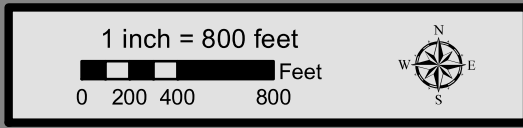
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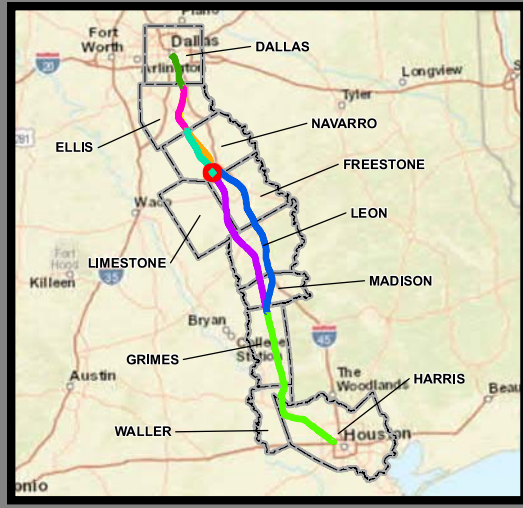
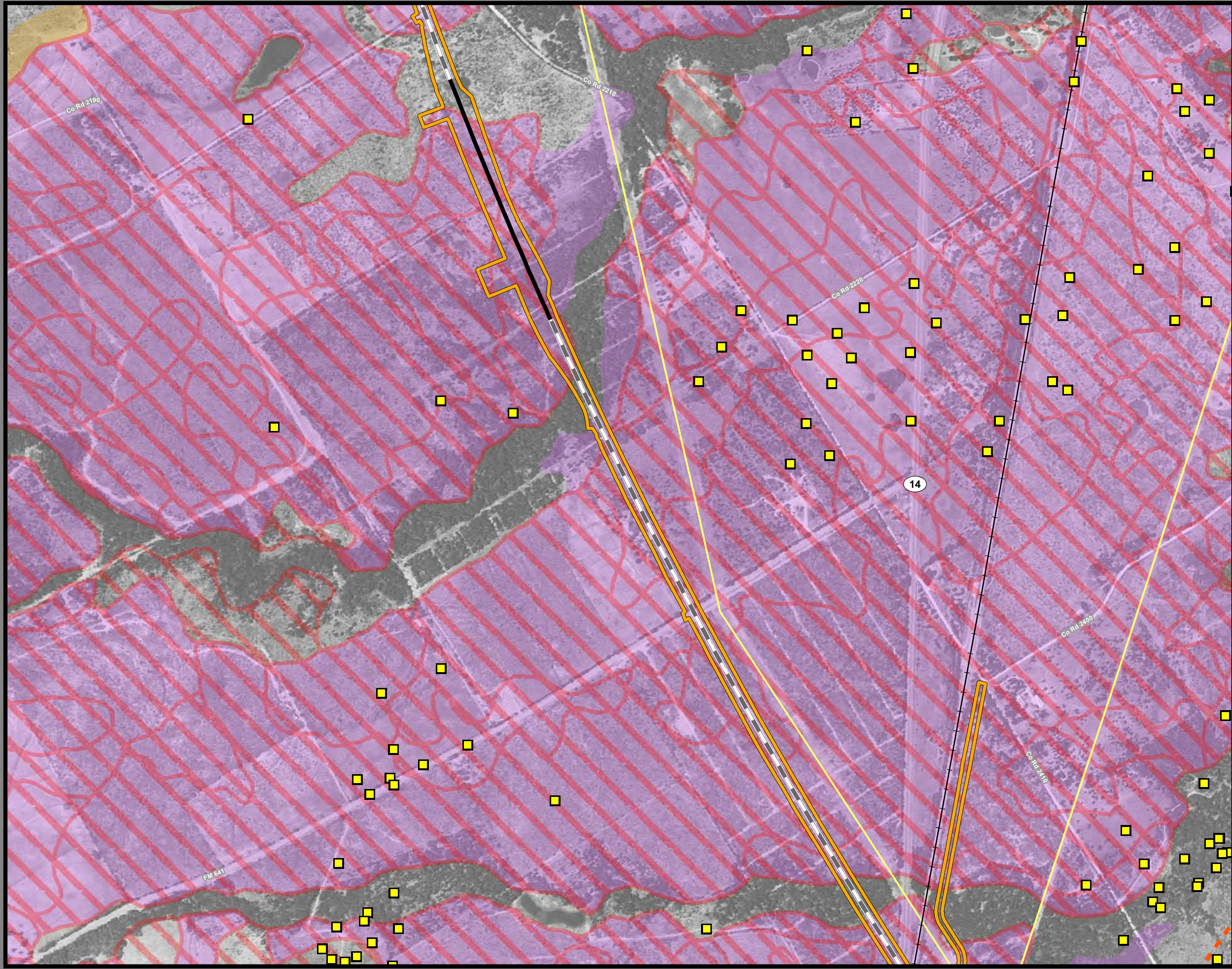
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
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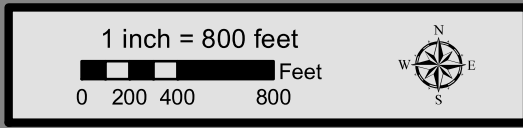
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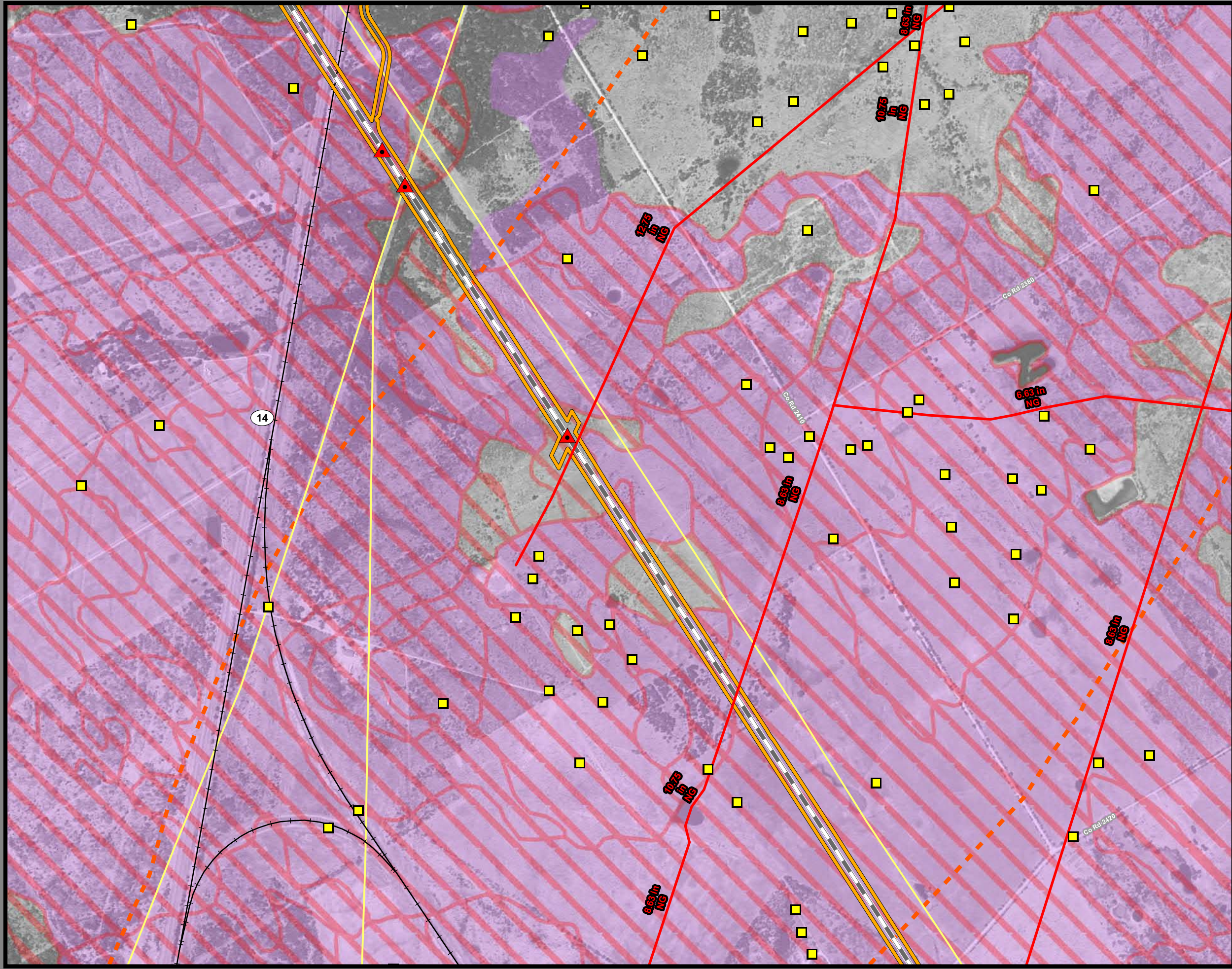
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	Soils
County Boundary	Highly Erodible
Railroad	Hydic
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

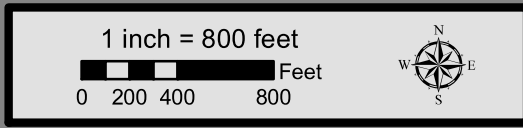
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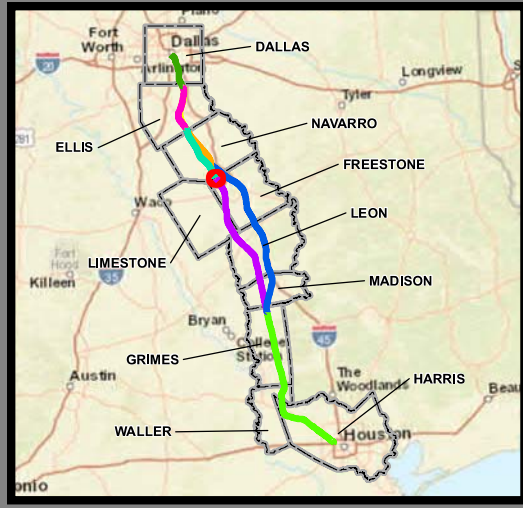
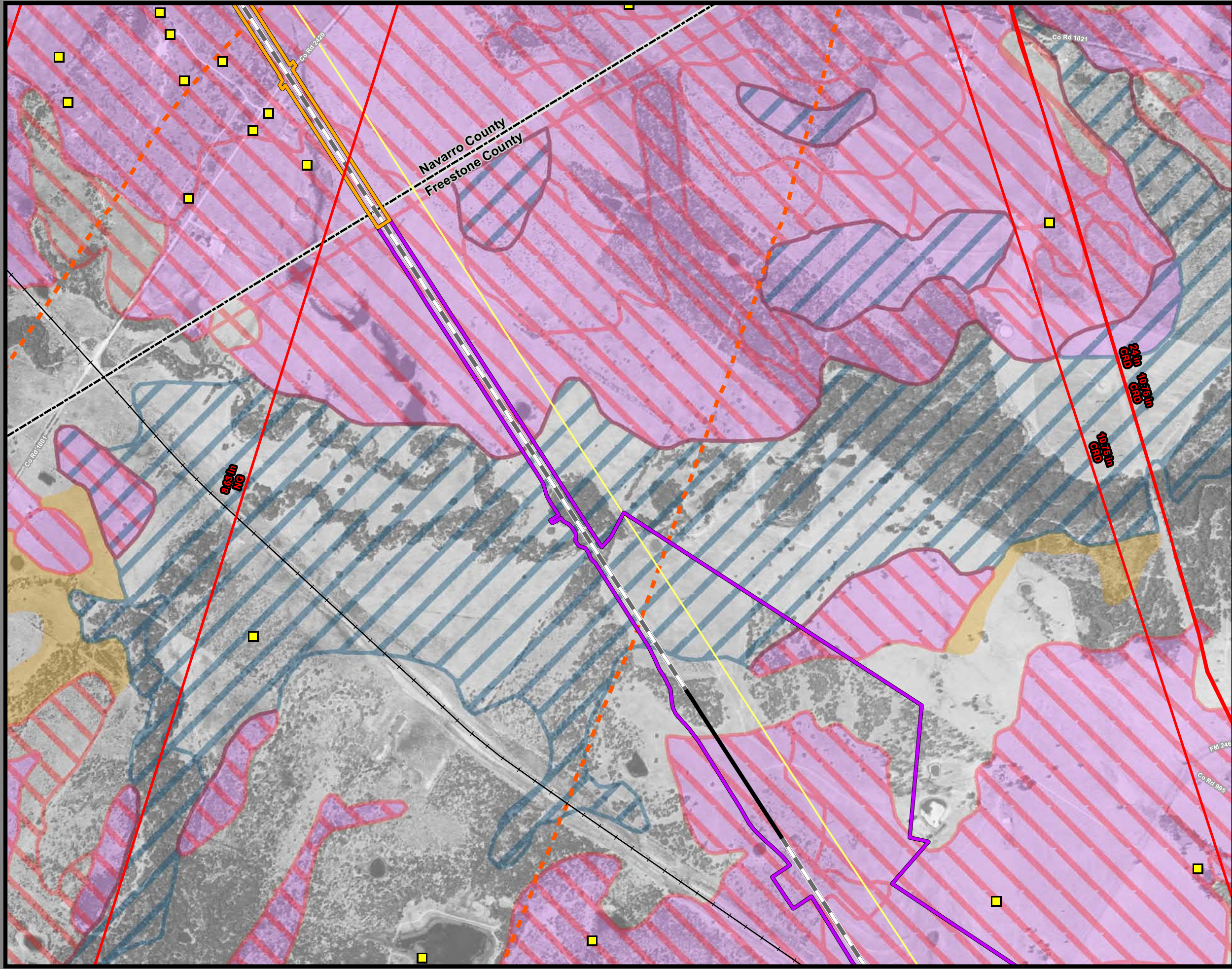
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

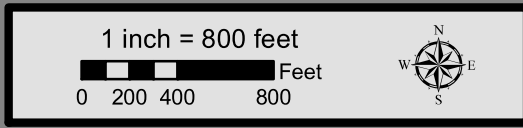
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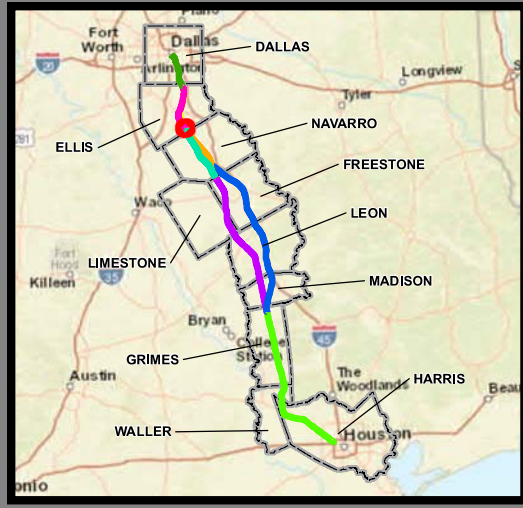
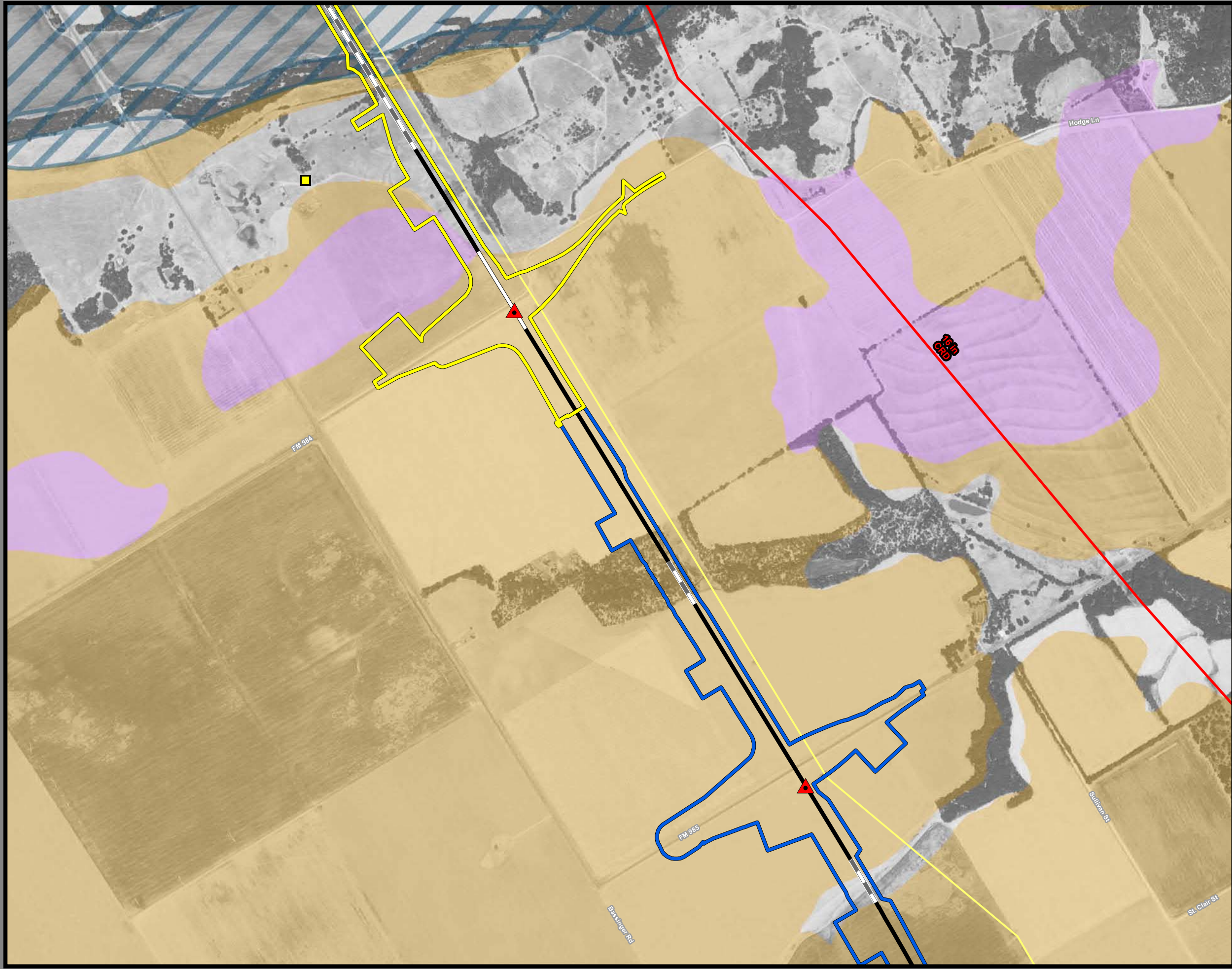
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

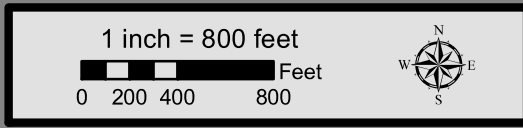
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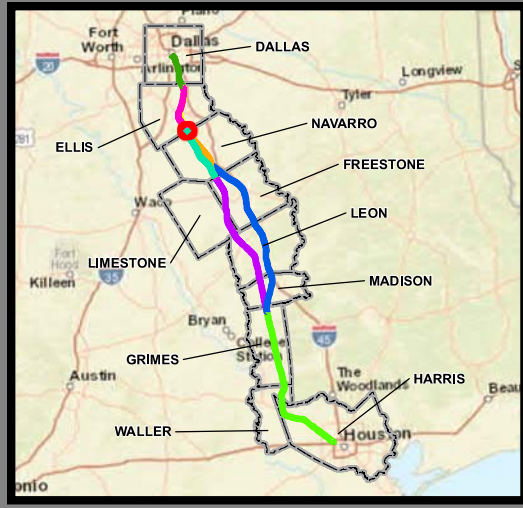
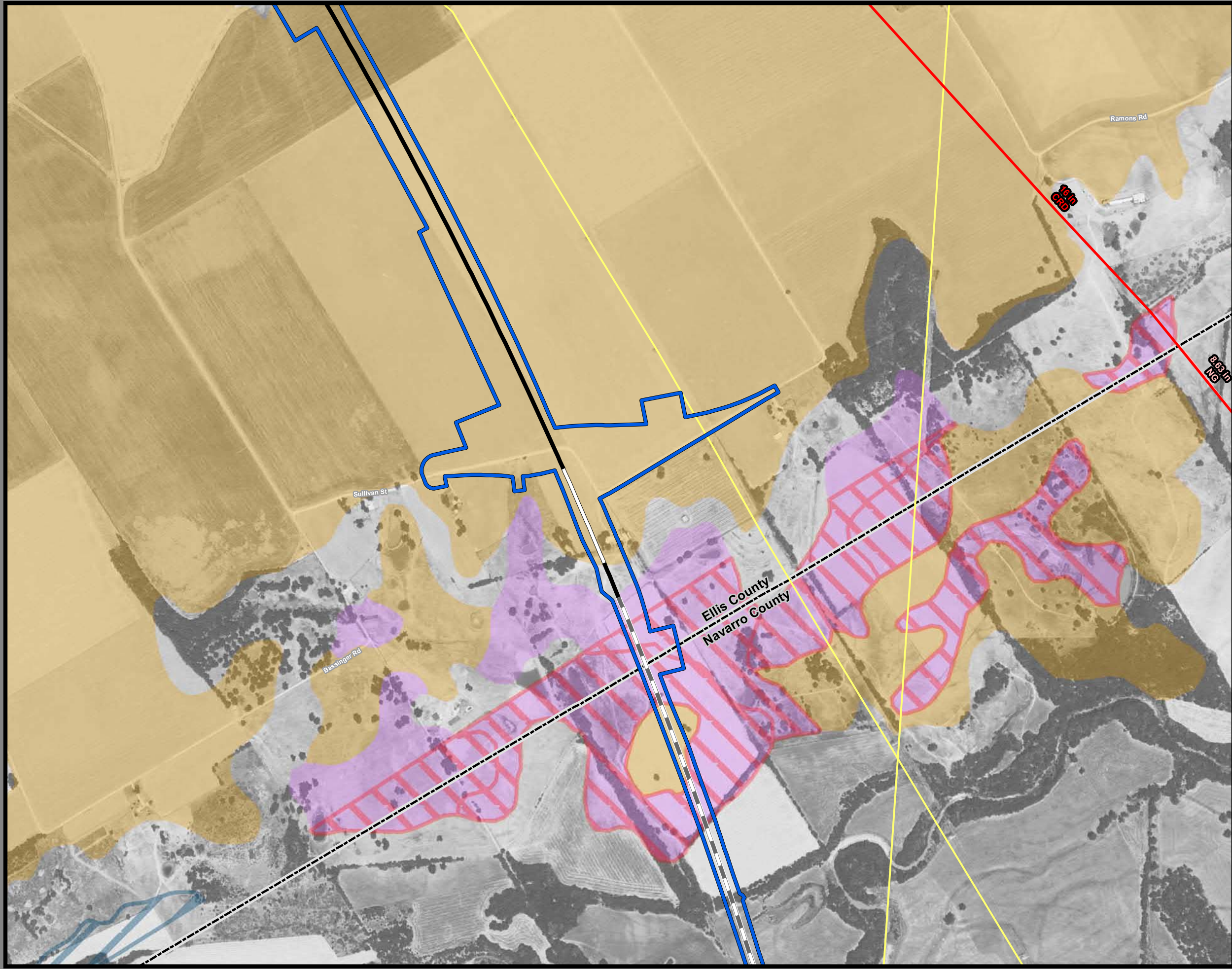
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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, 44 & 63.

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





**Dallas to Houston
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Mineral and Utility Resources
Segment 3C
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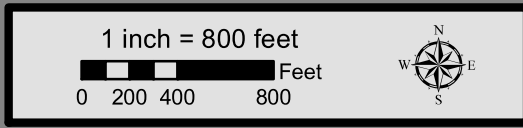
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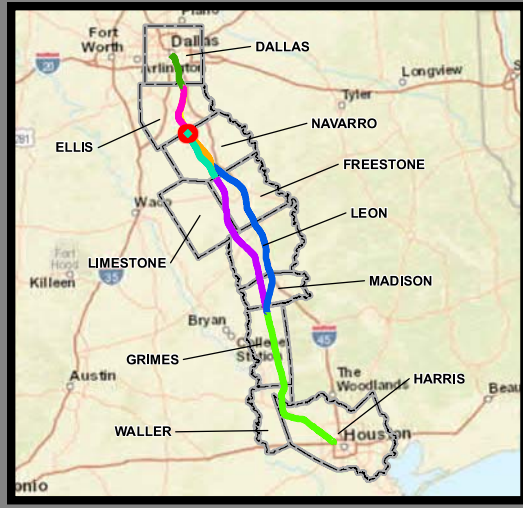
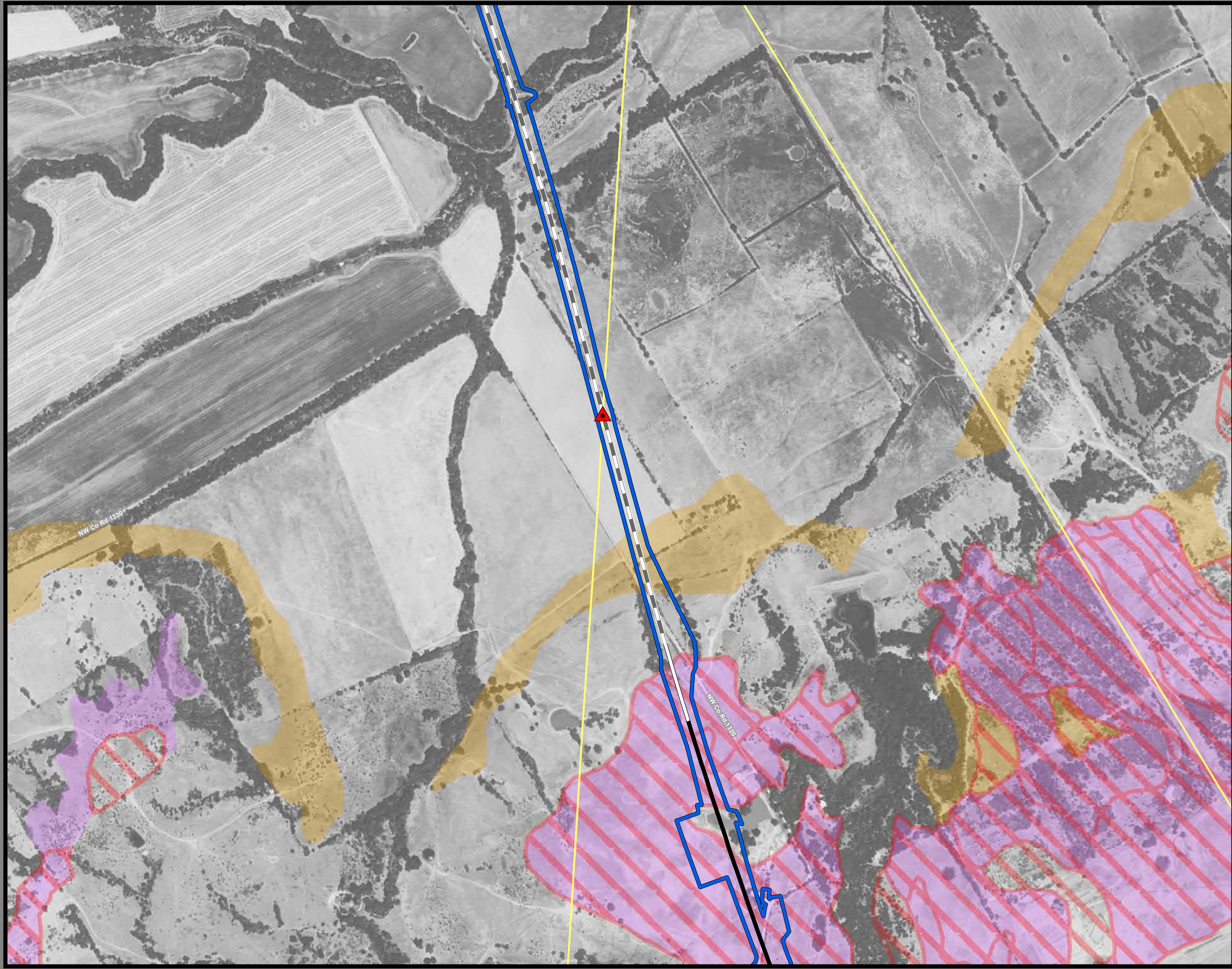
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydic
	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

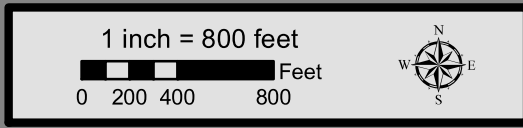
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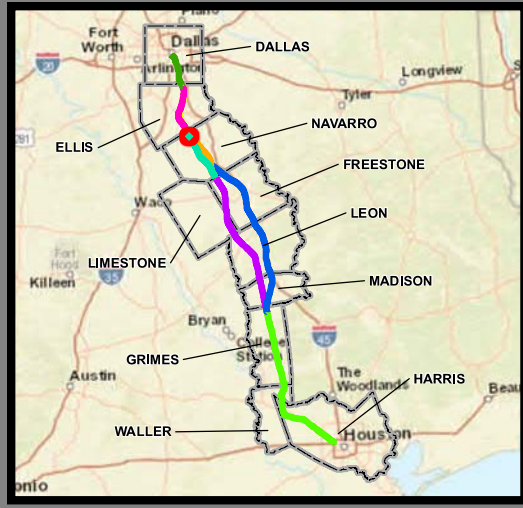
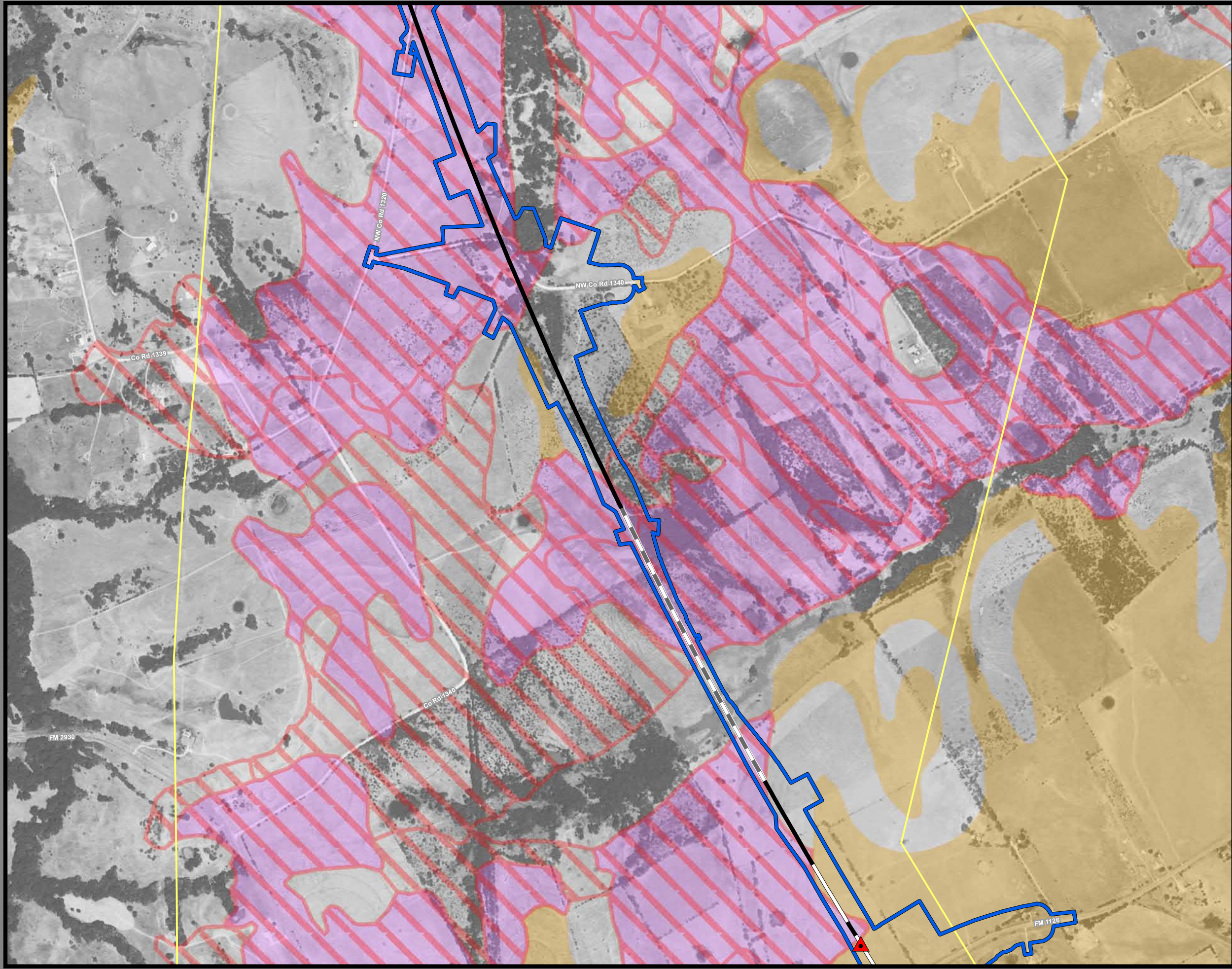
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

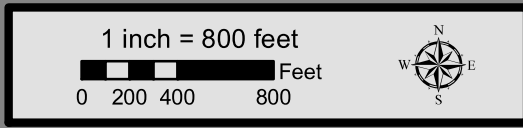
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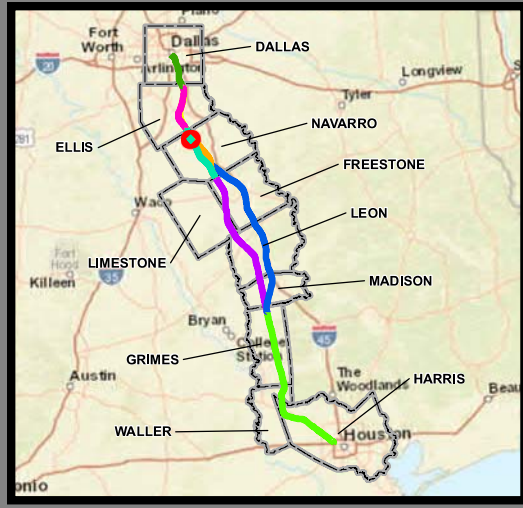
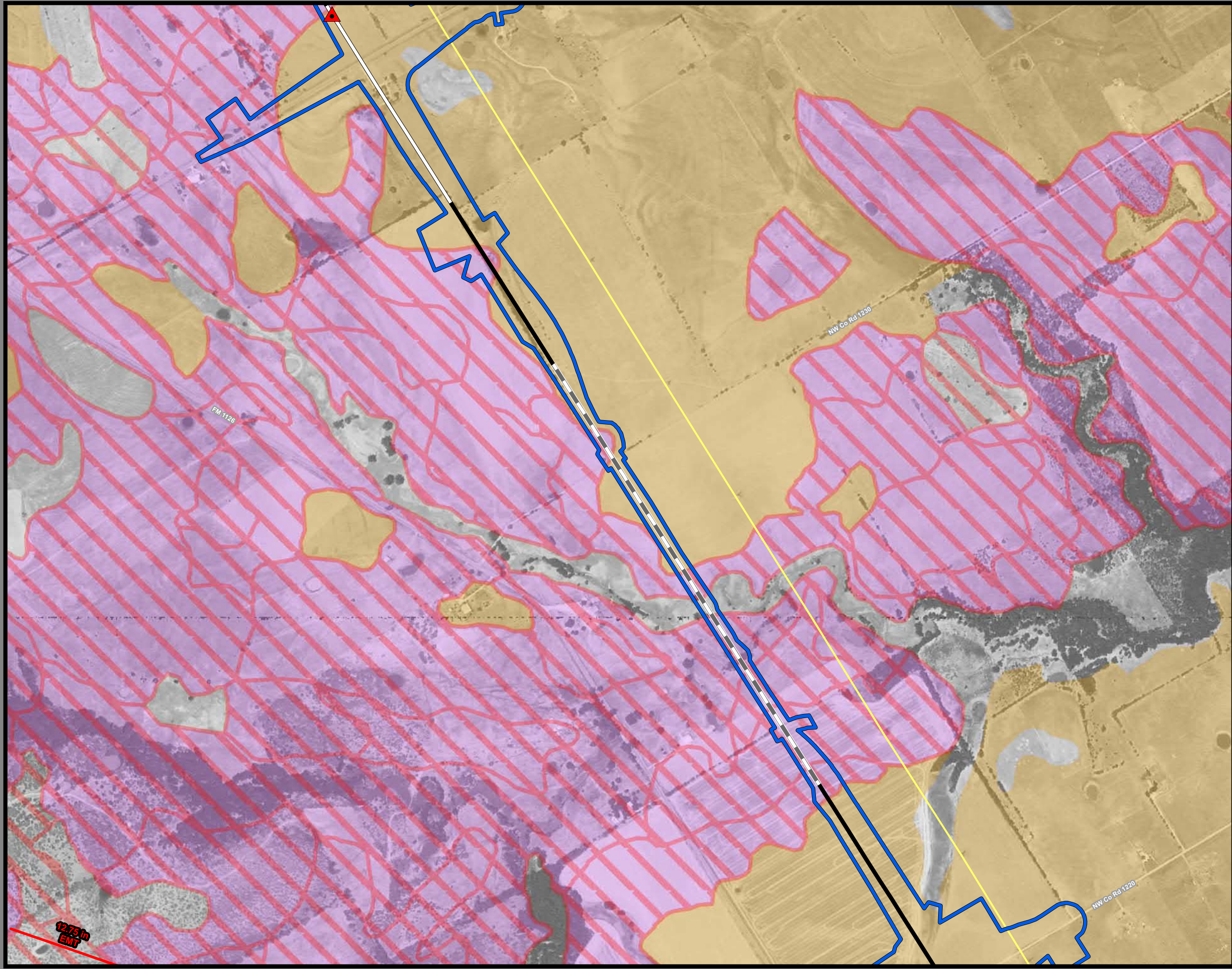
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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

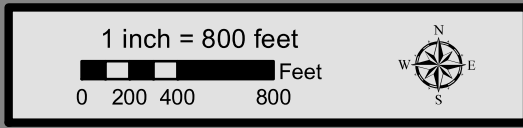
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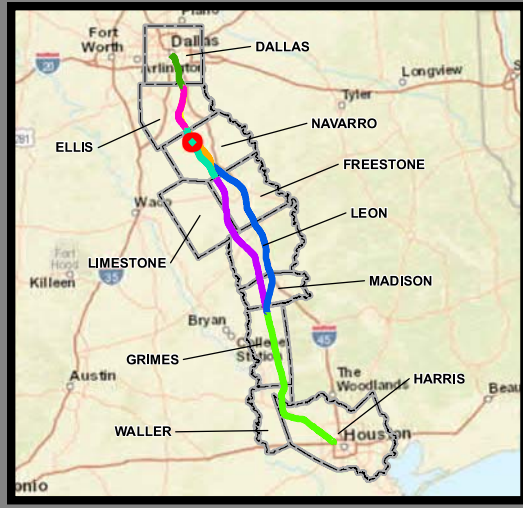
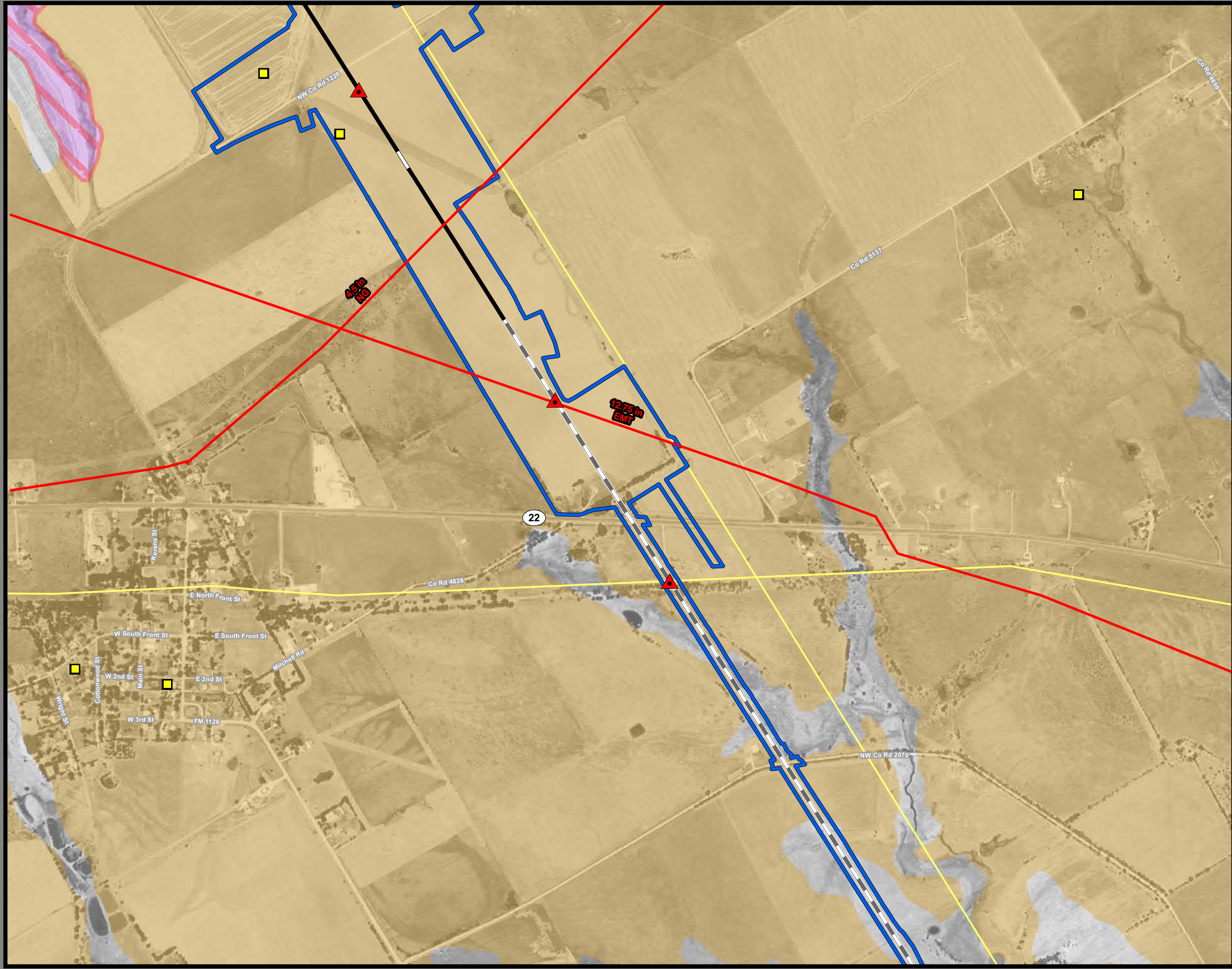
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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High-Speed Rail Project
Mineral and Utility Resources
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Sheet 86 of 257**

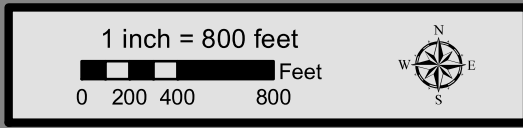
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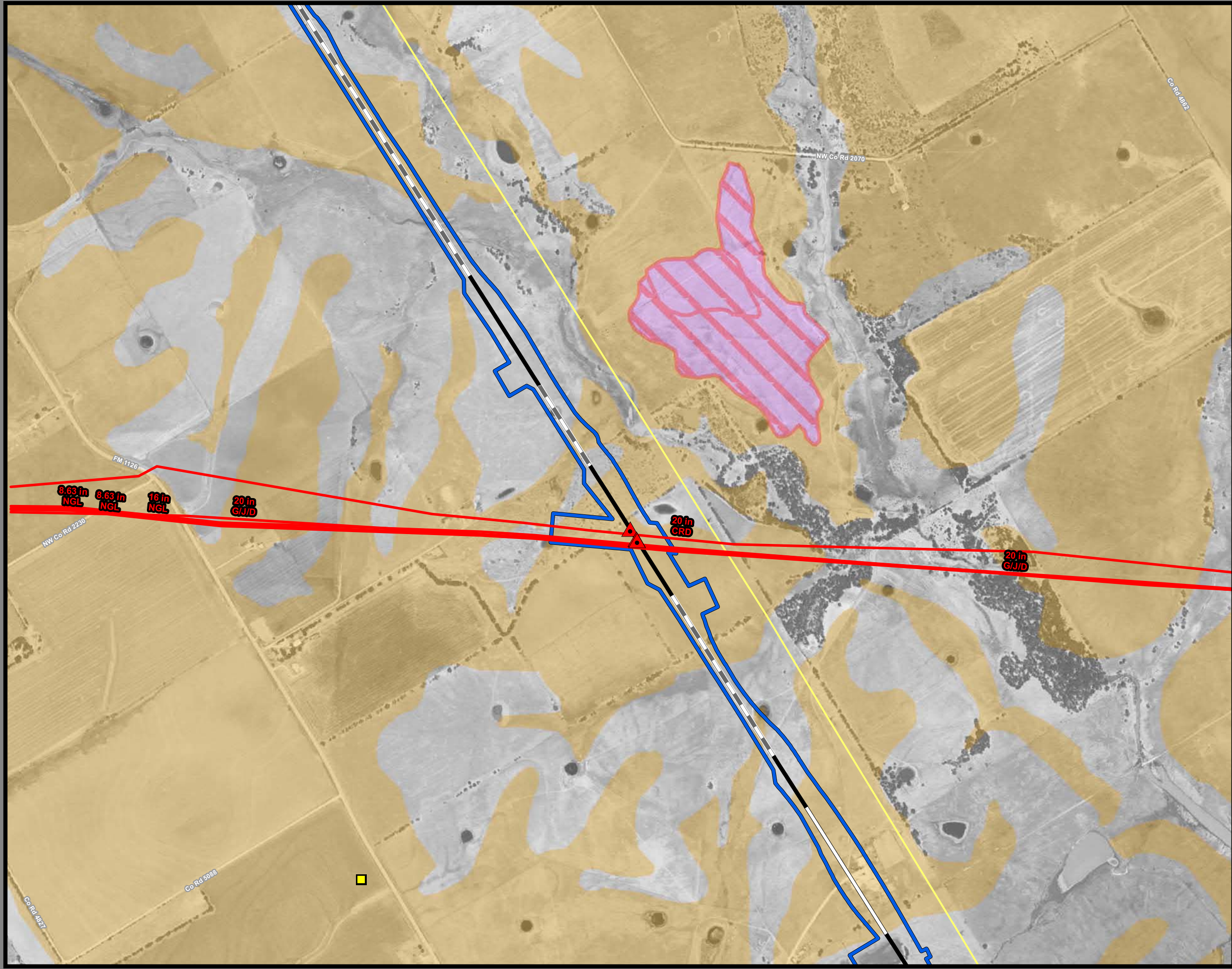
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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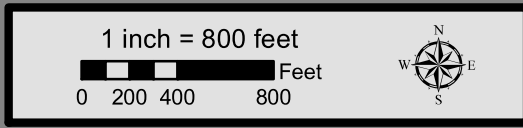
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Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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High-Speed Rail Project
Mineral and Utility Resources
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Sheet 88 of 257**

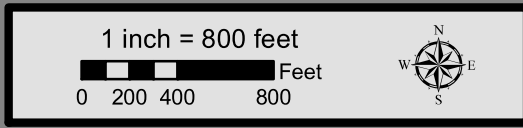
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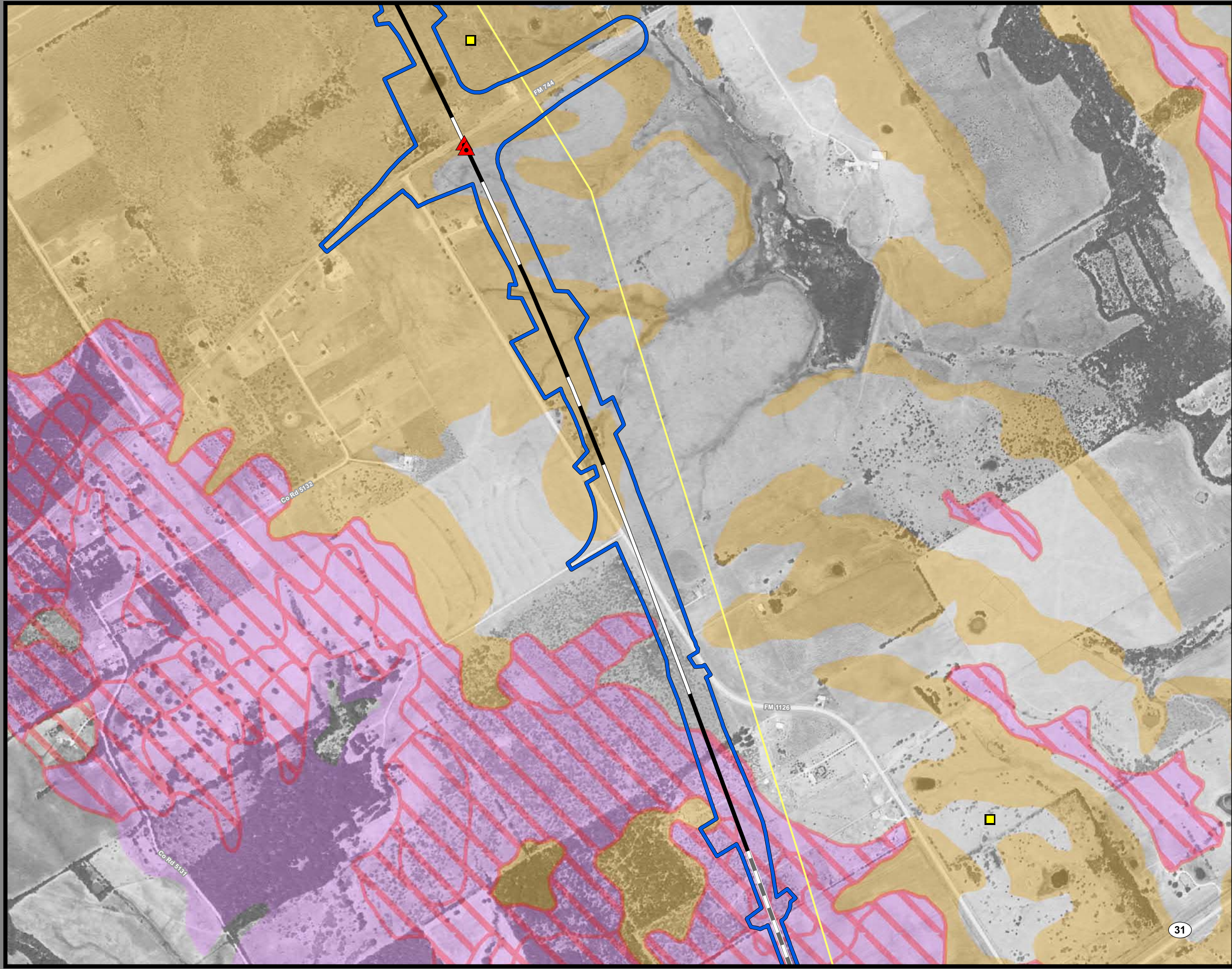
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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Mineral and Utility Resources
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Sheet 89 of 257**

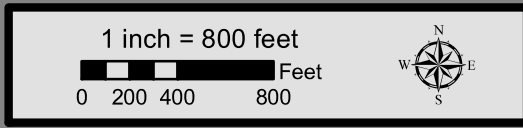
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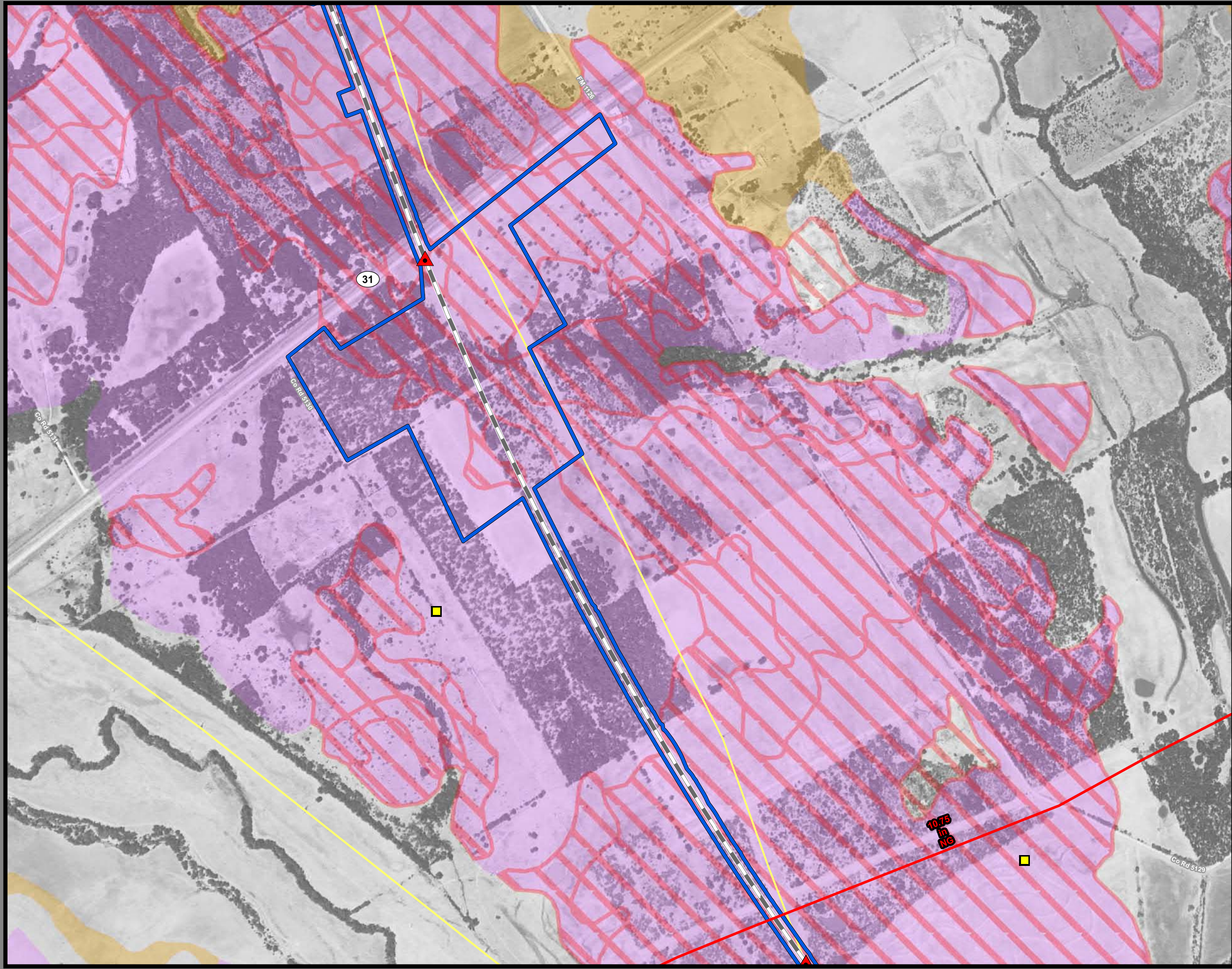
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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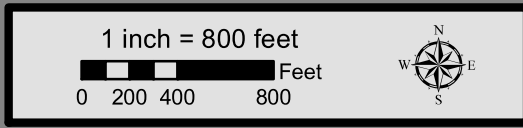
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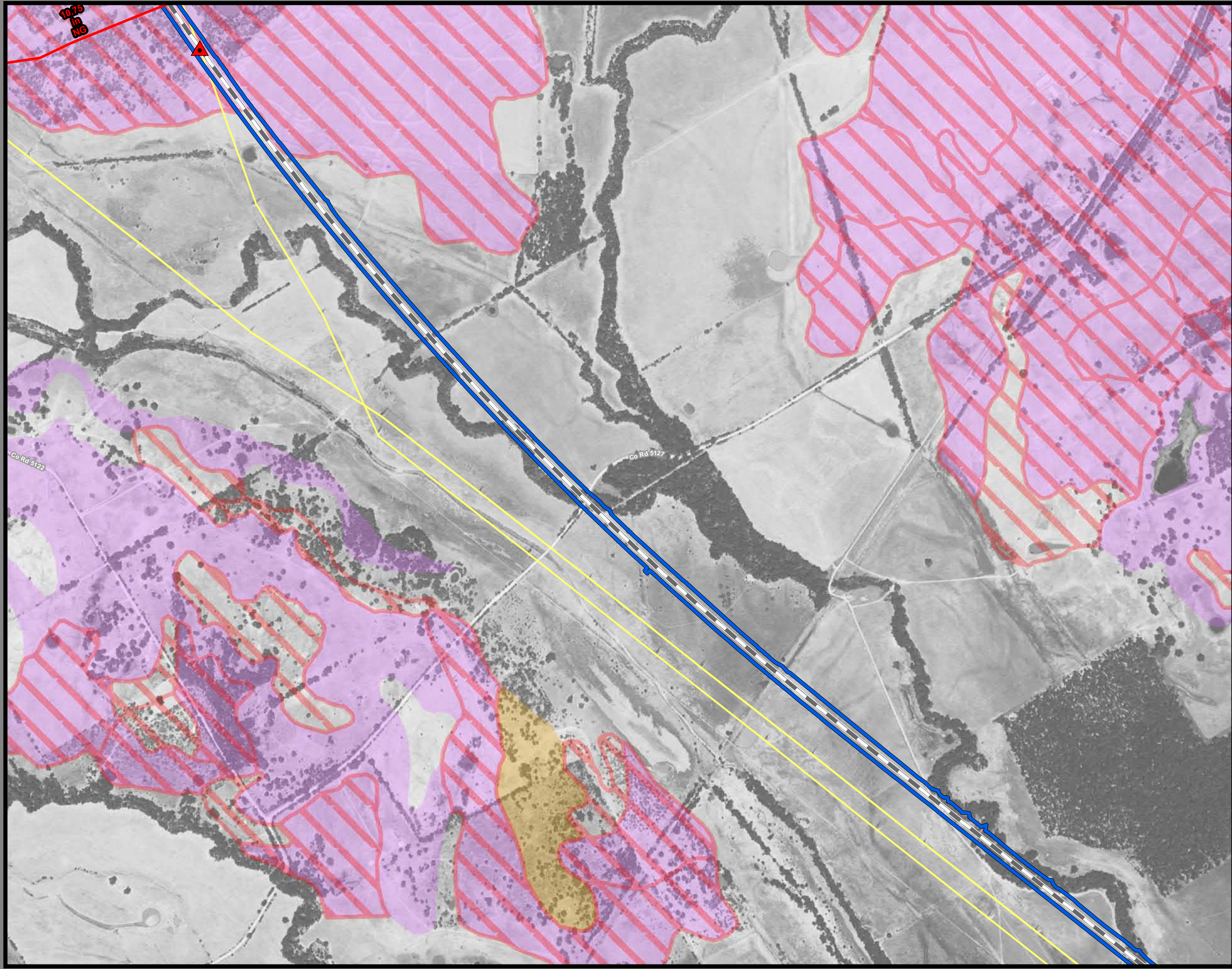
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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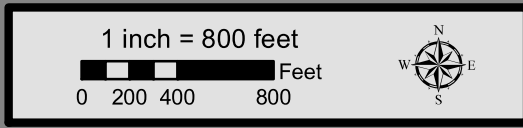
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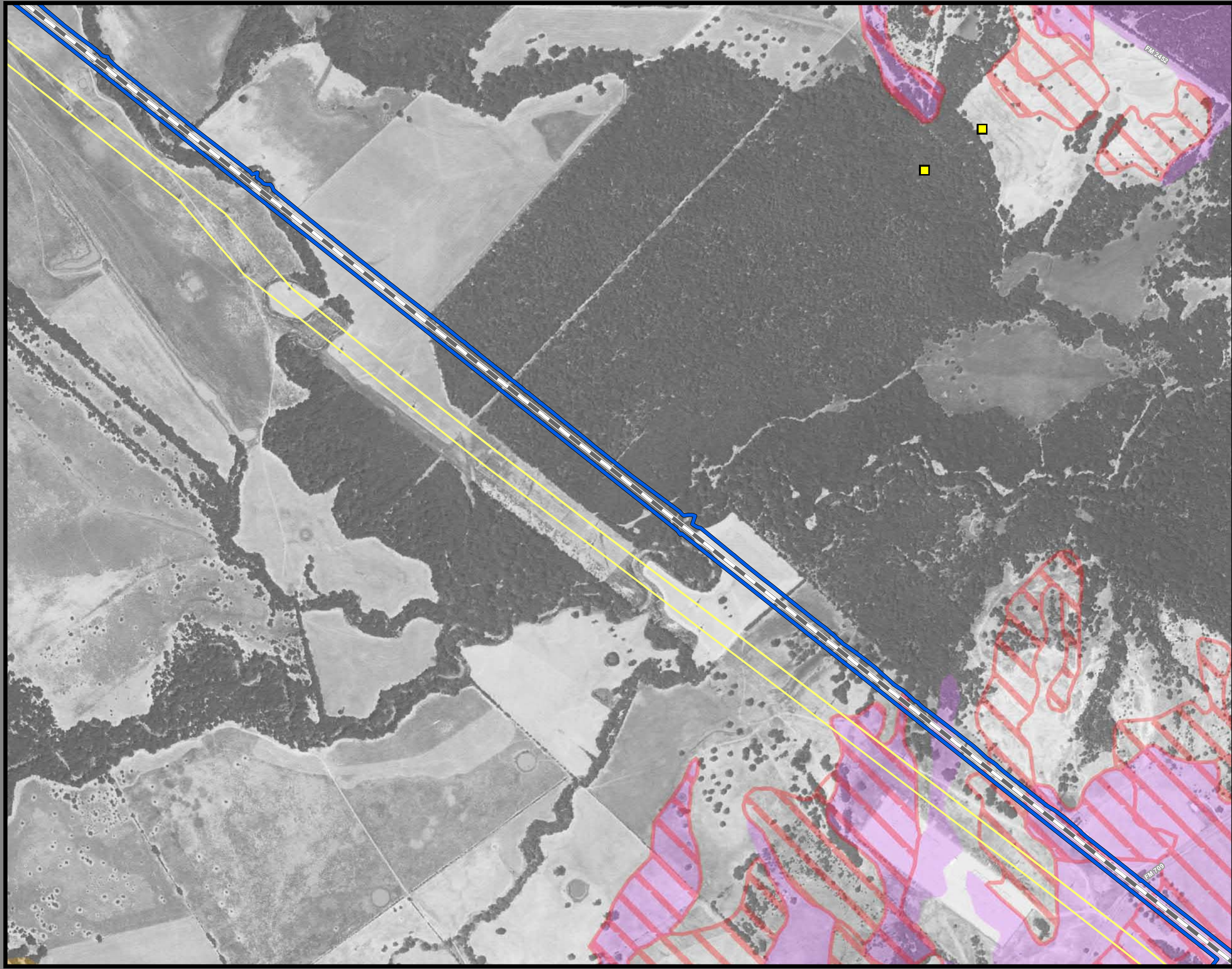
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
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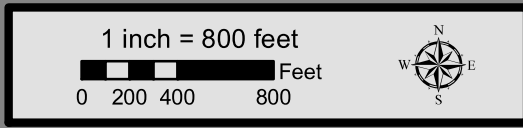
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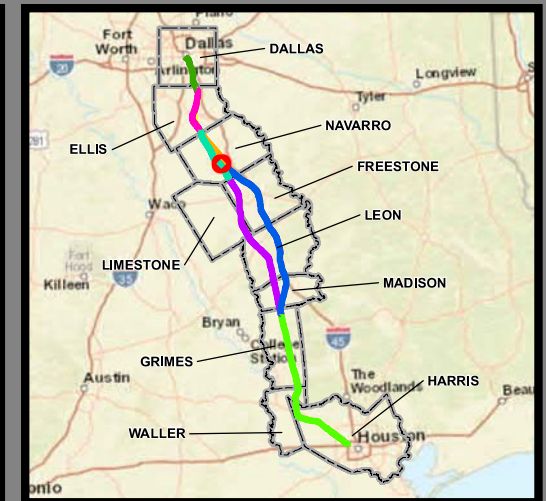
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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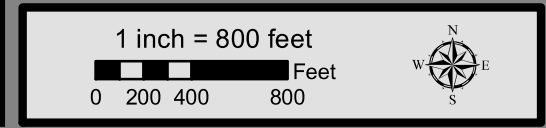
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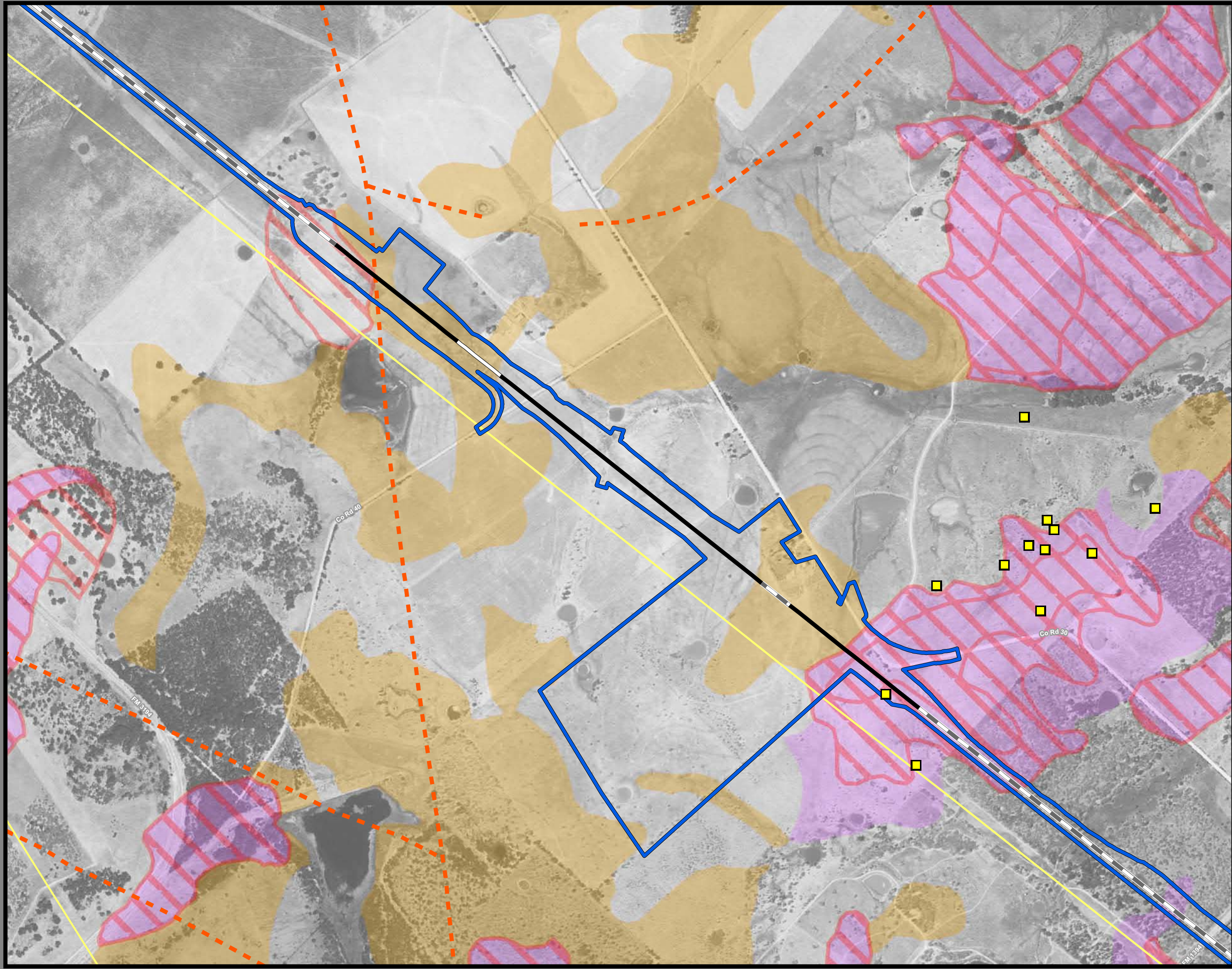
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





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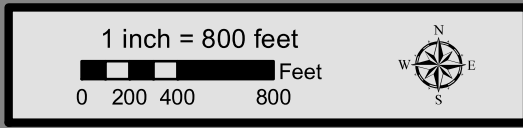
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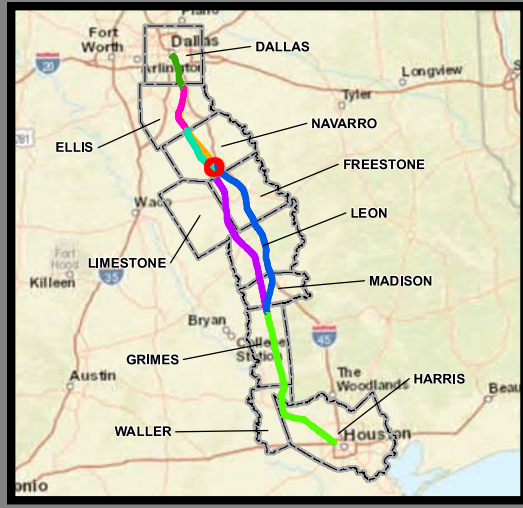
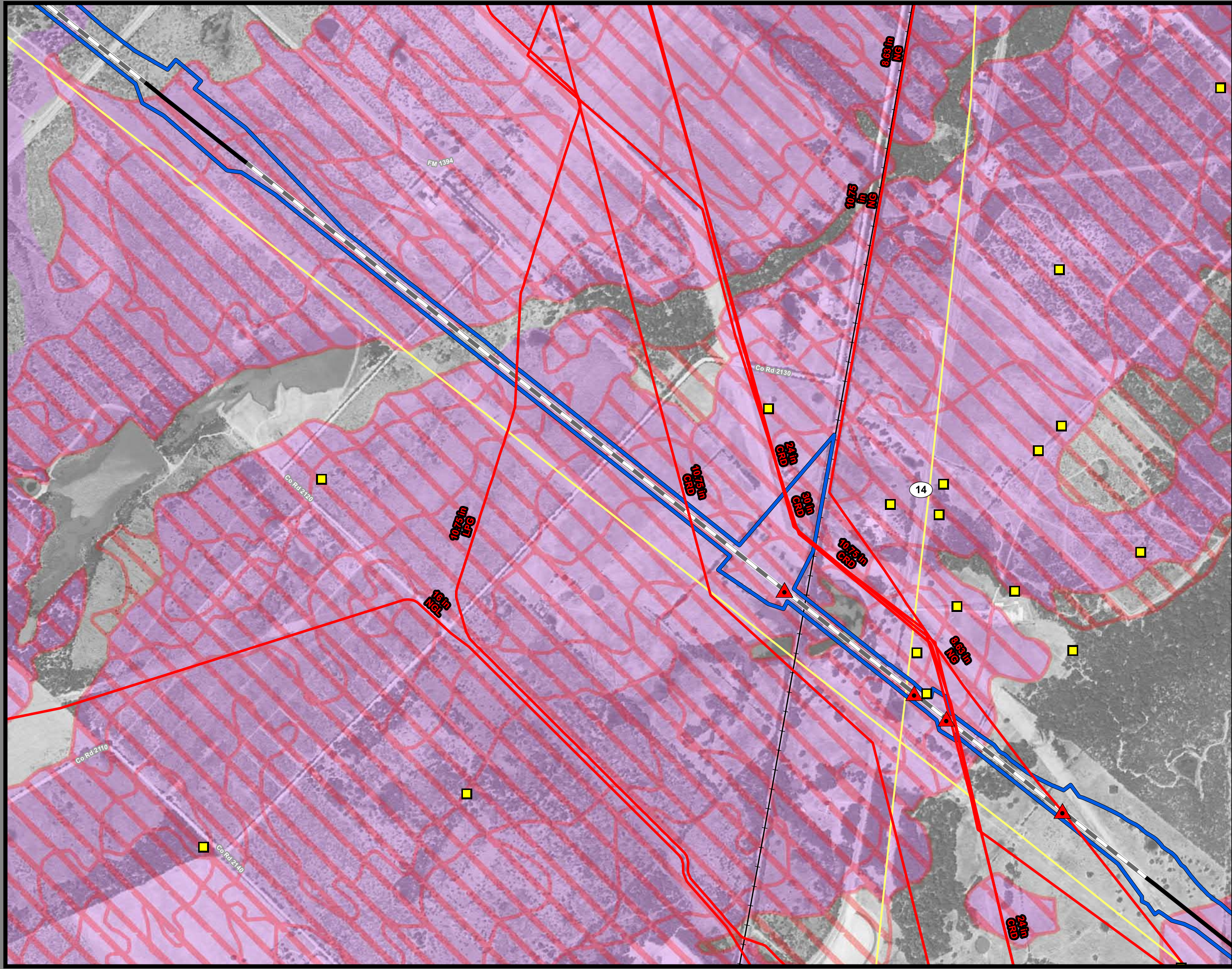
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; Y-P - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





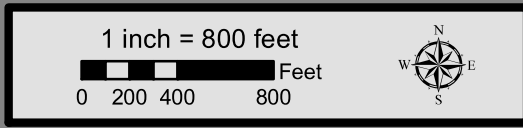
**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
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Sheet 95 of 257**

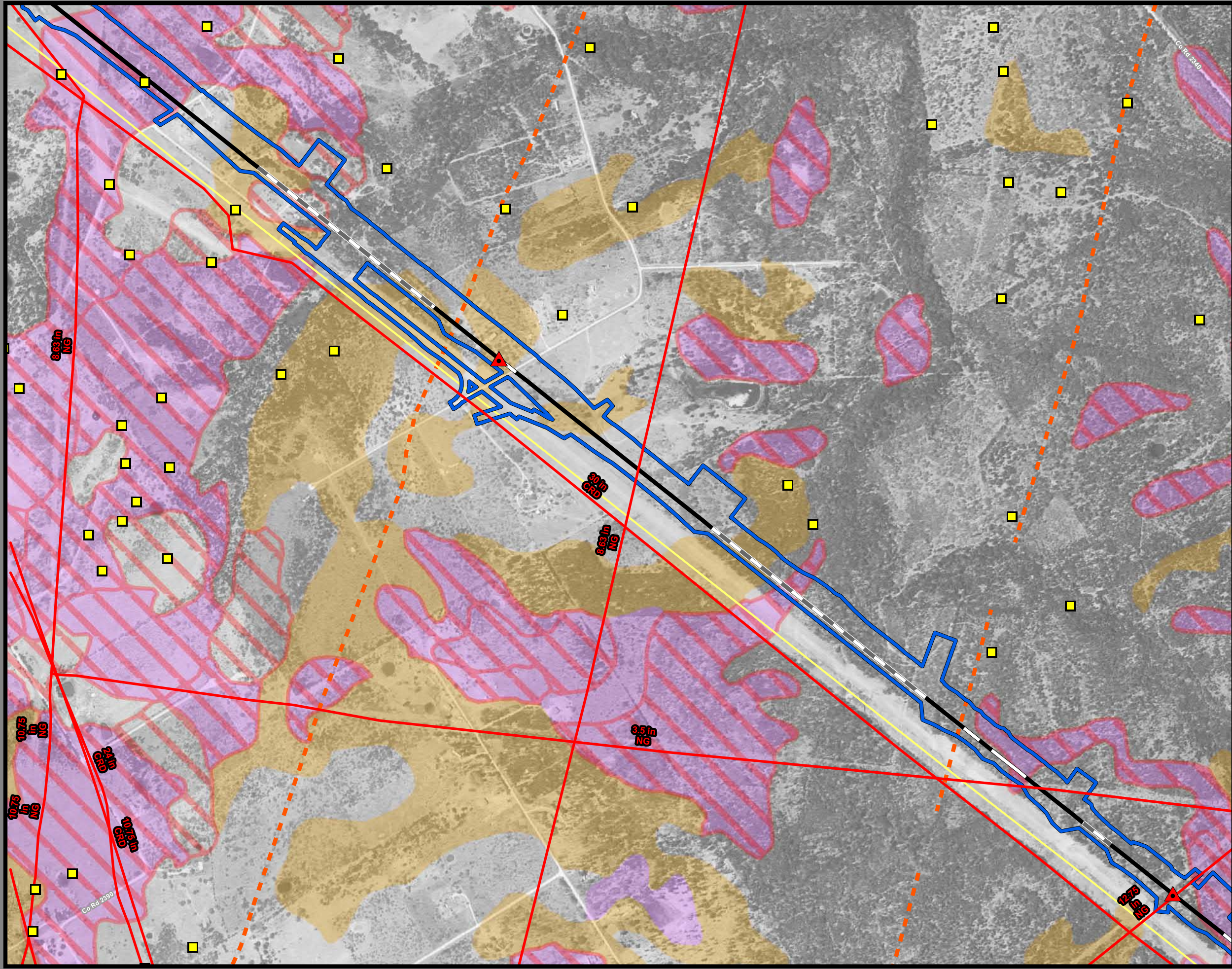
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Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydric
	Prime Farmland
	Farmland of Statewide Importance
	Prime Farmland if Drained

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





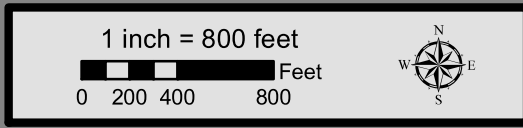
**Dallas to Houston
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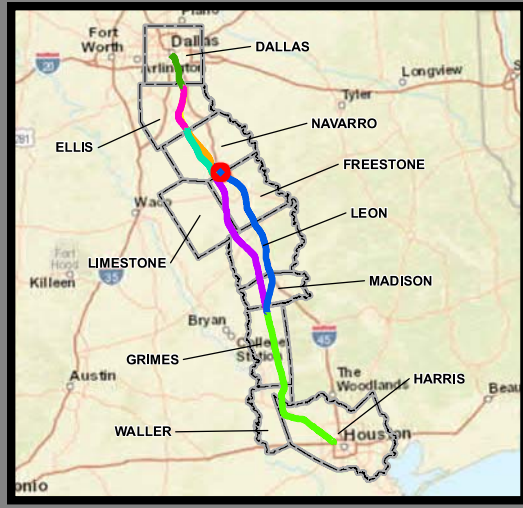
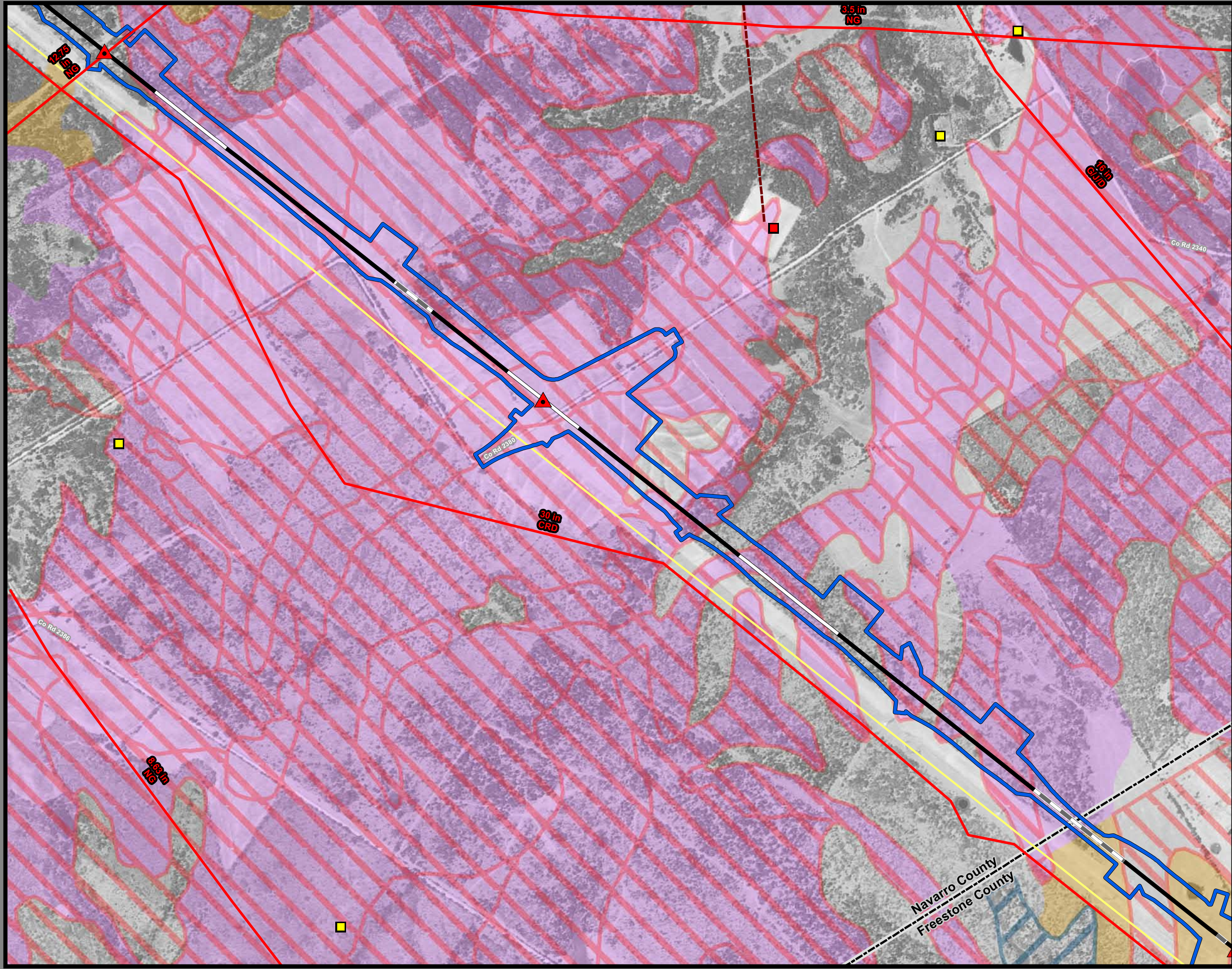
Legend

Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	Hydric
	Prime Farmland
	Farmland of Statewide Importance
	Prime Farmland if Drained

Abbreviated Pipeline Labels:
 CRD - Crude Oil; E/P - Ethane/Propane; EMT - Empty; GJD - Gasoline/Jet Fuel/Diesel; GR - Gasoline Regular; LPG - Liquefied Petroleum Gas; N - Nitrogen; NG - Natural Gas; NG-FWS - Natural Gas FWS; NGL - Natural Gas Liquids; PC - Propylene Chem; R-LPG - Raw LPG; RPP - Refined Petroleum Products; R-PRD - Refined Products; Y-NGL - Y-Grade NGL; YP - Y-Grade Products

Data Sources: Faults - UT Bureau of Economic Geology; Soil Data - USDA/NRCS SSURGO 2016; Mines - USGS 2003; Electric Transmission Lines - Platts 2013; Oil/Gas Wells, Pipelines - Texas Railroad Commission 2015; Roads, Railroads - TxDOT 2015; Utility Crossings - ARUP 2017; ESRI Street Map
Aerial Imagery: USDA NAIP 2014





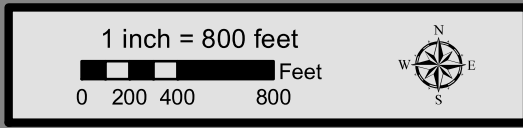
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Mineral and Utility Resources
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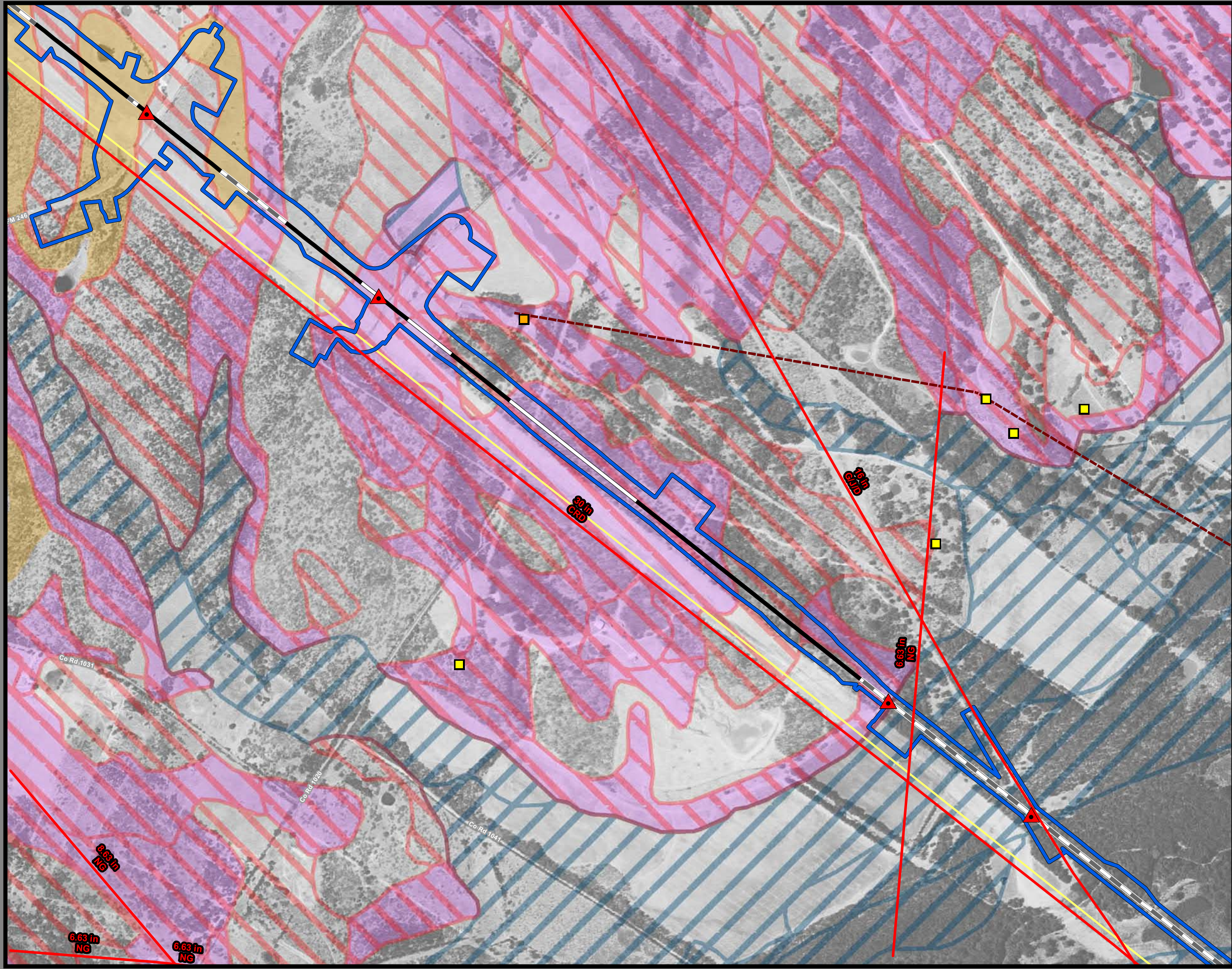
Legend

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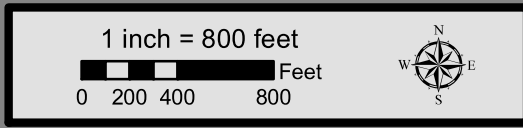
**Dallas to Houston
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Segment 3C
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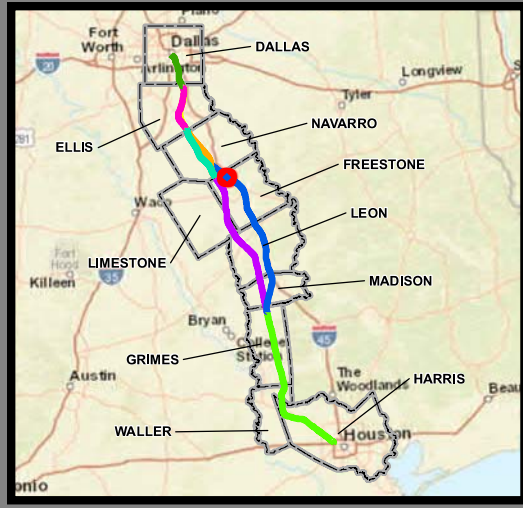
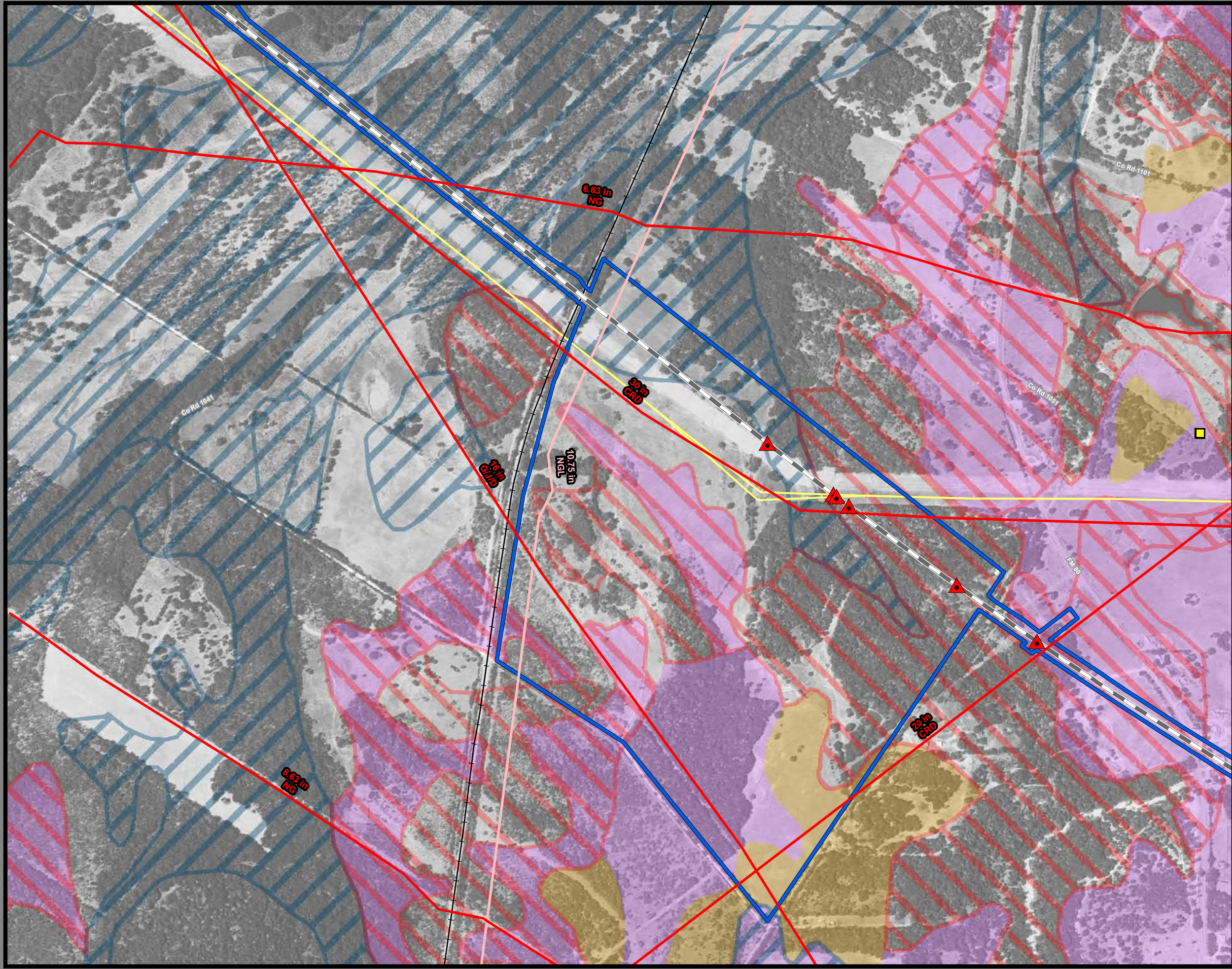
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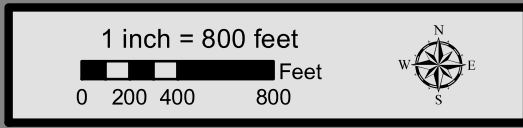
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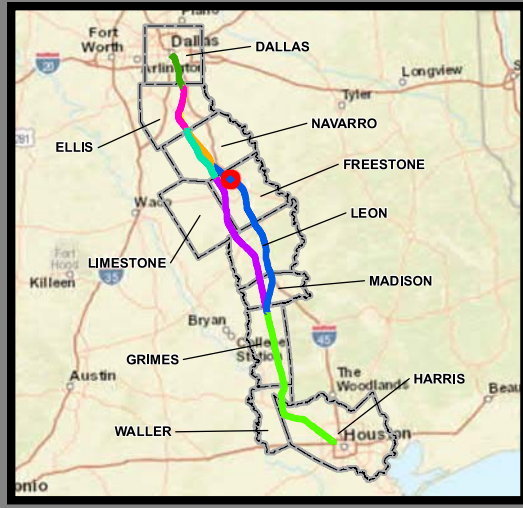
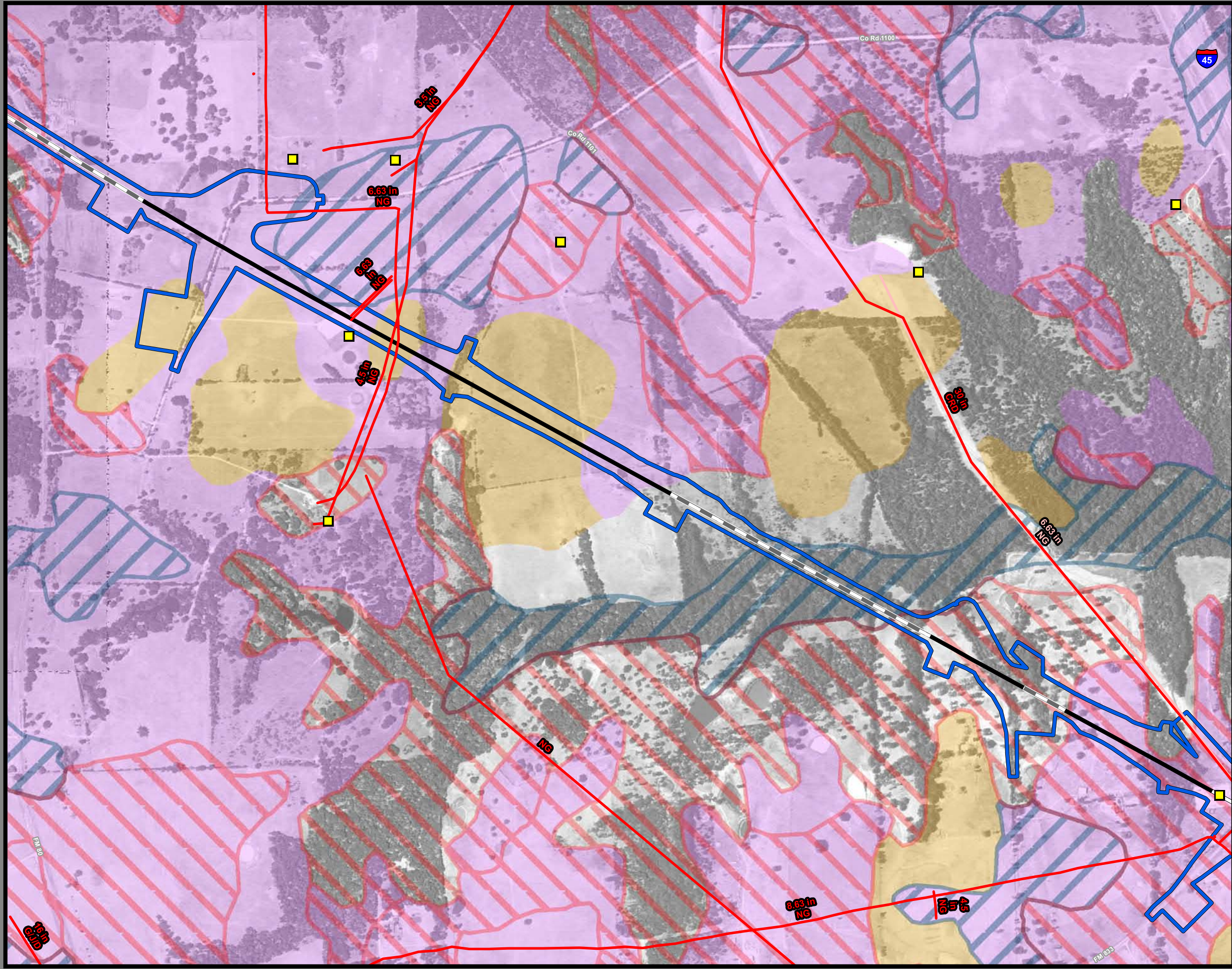
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Legend

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