

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

Legend

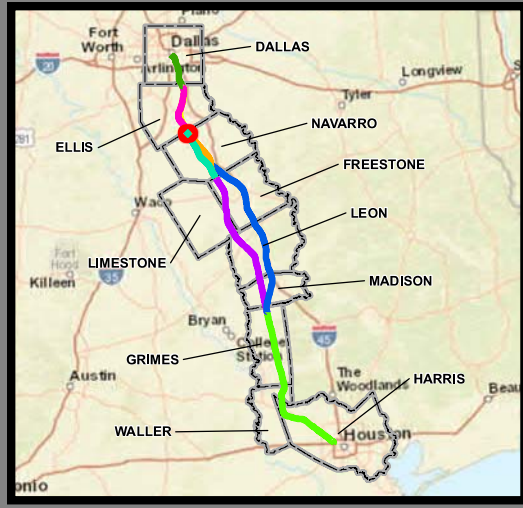
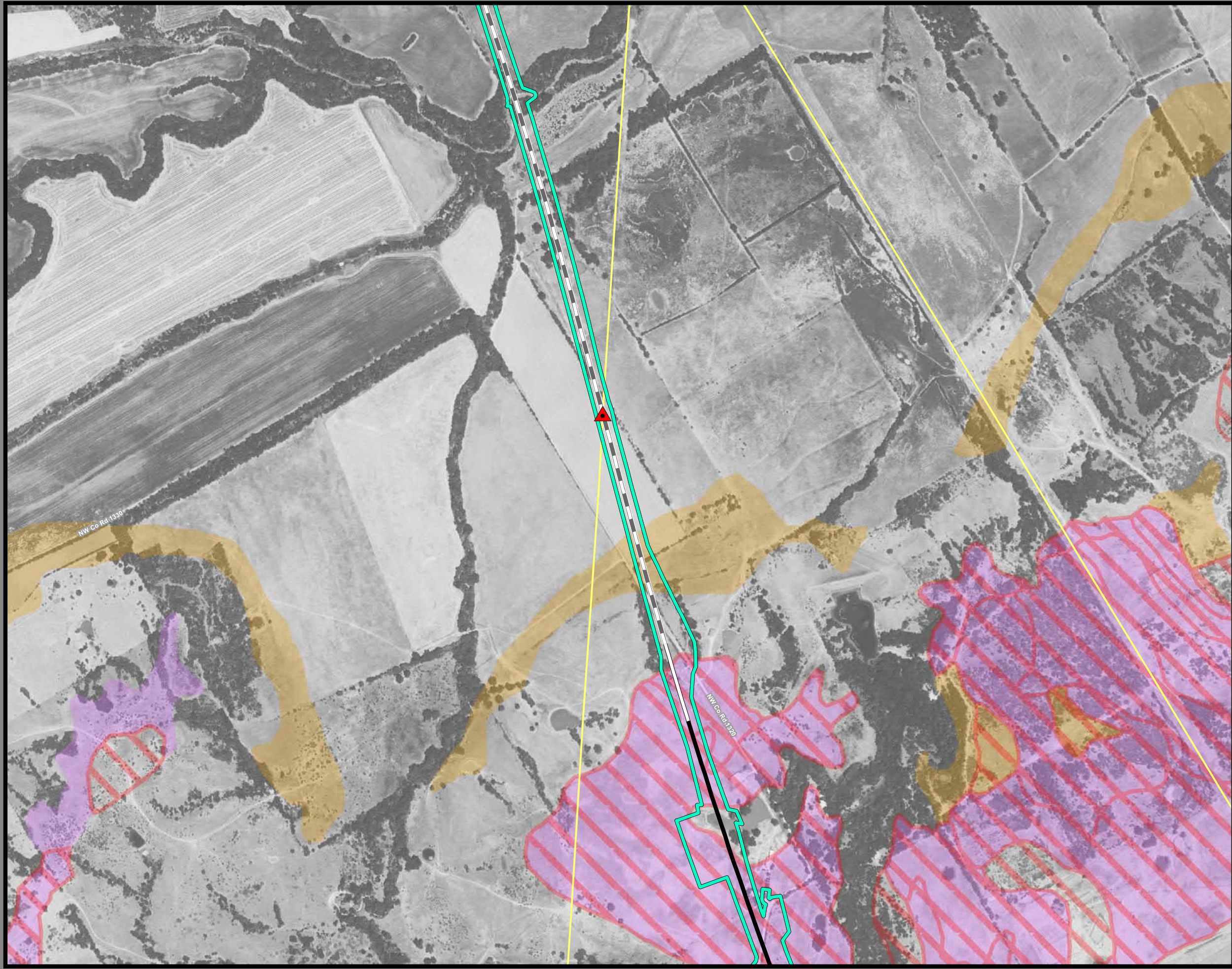
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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**

Legend

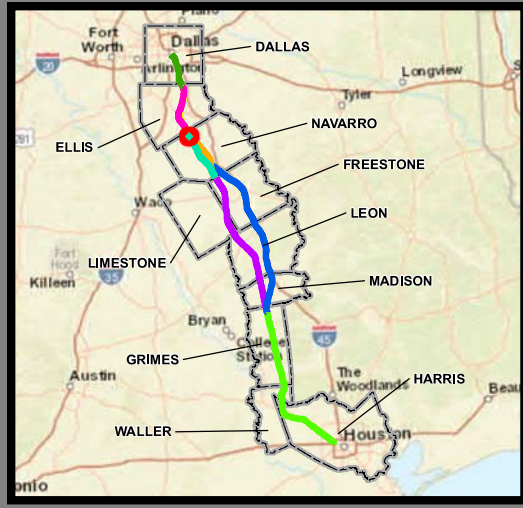
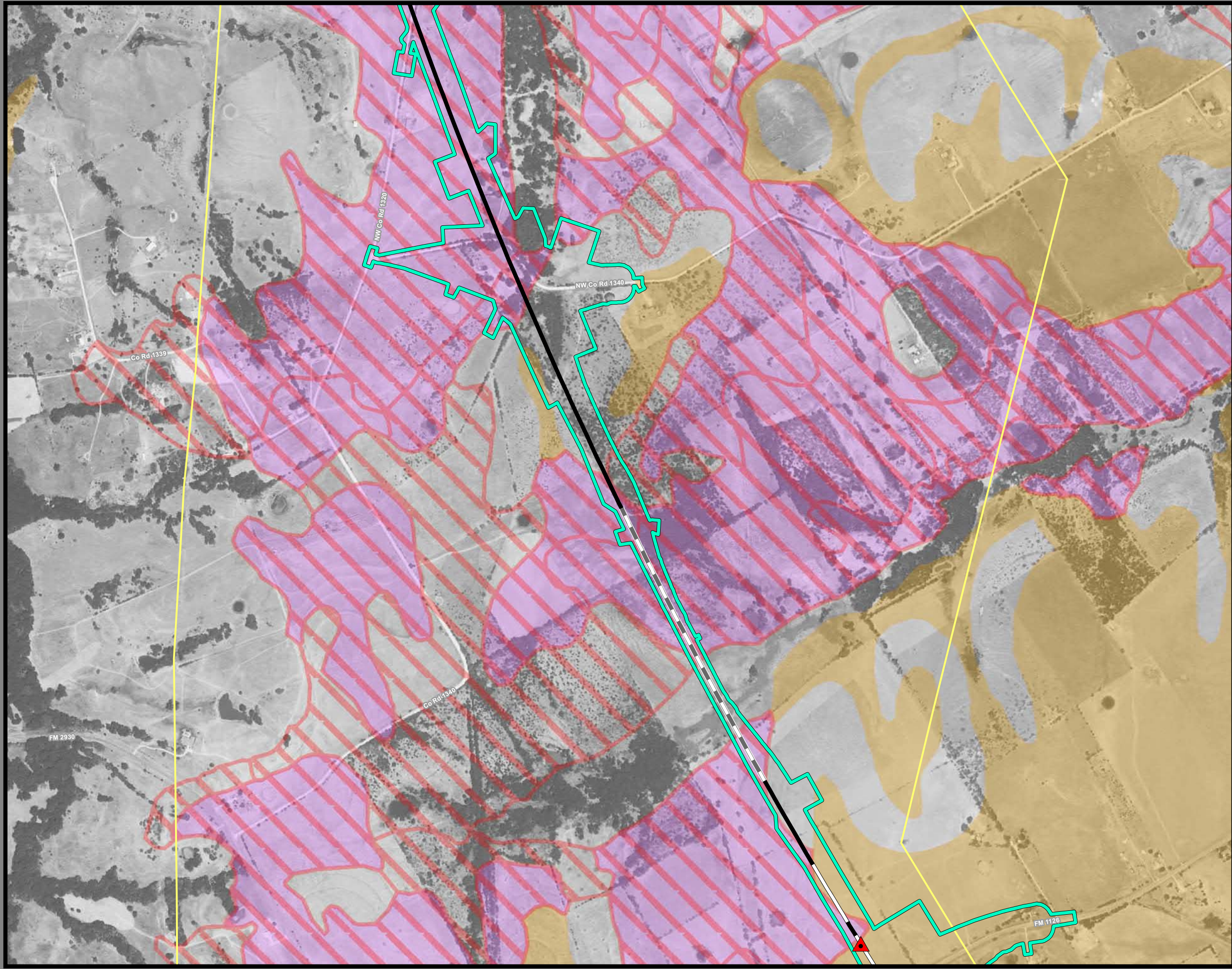
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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**

Legend

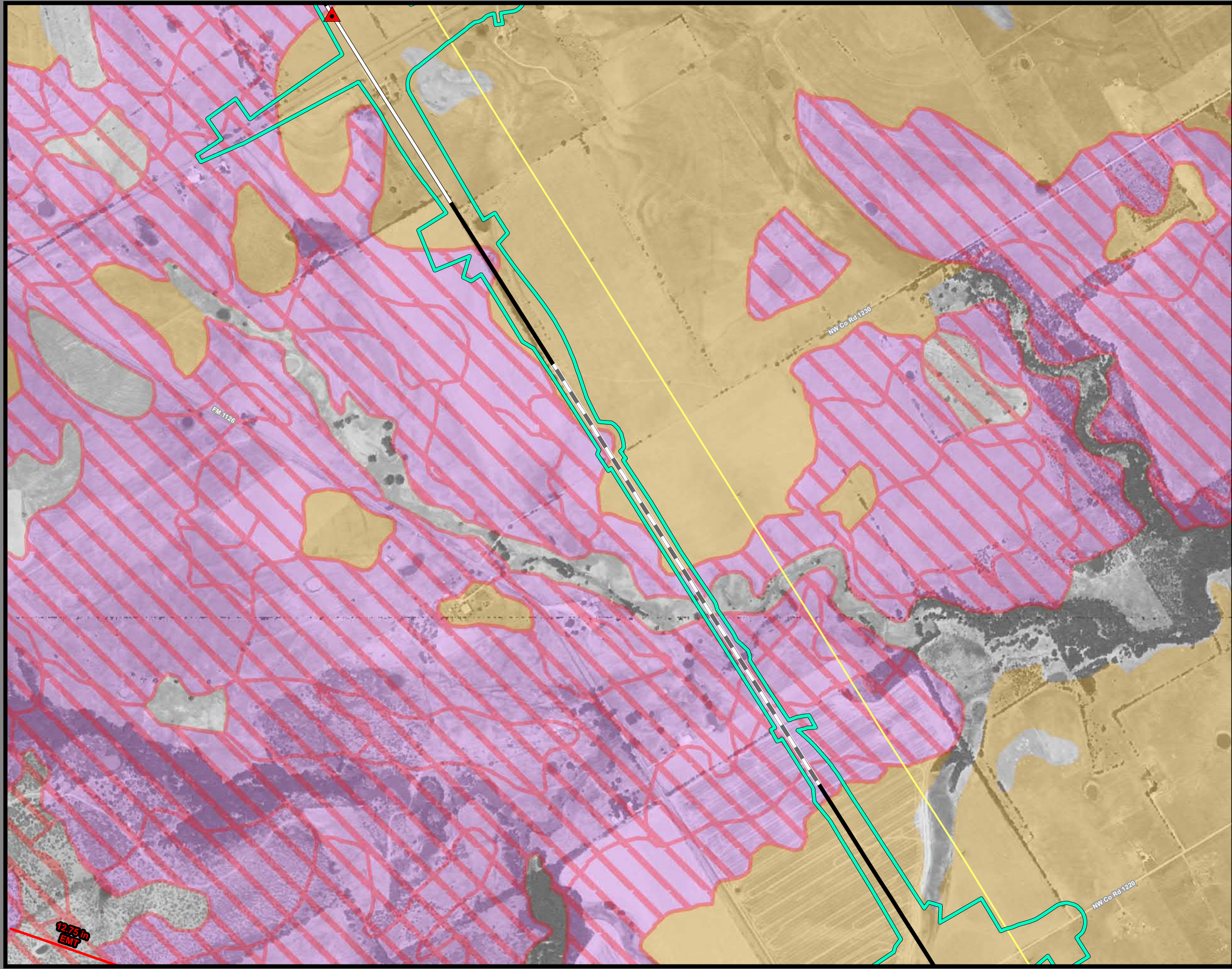
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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**

Legend

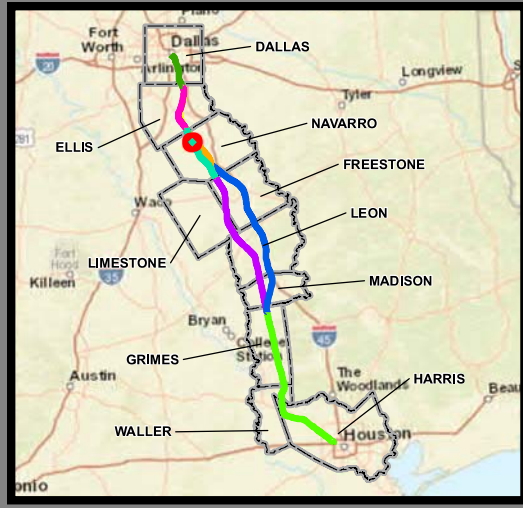
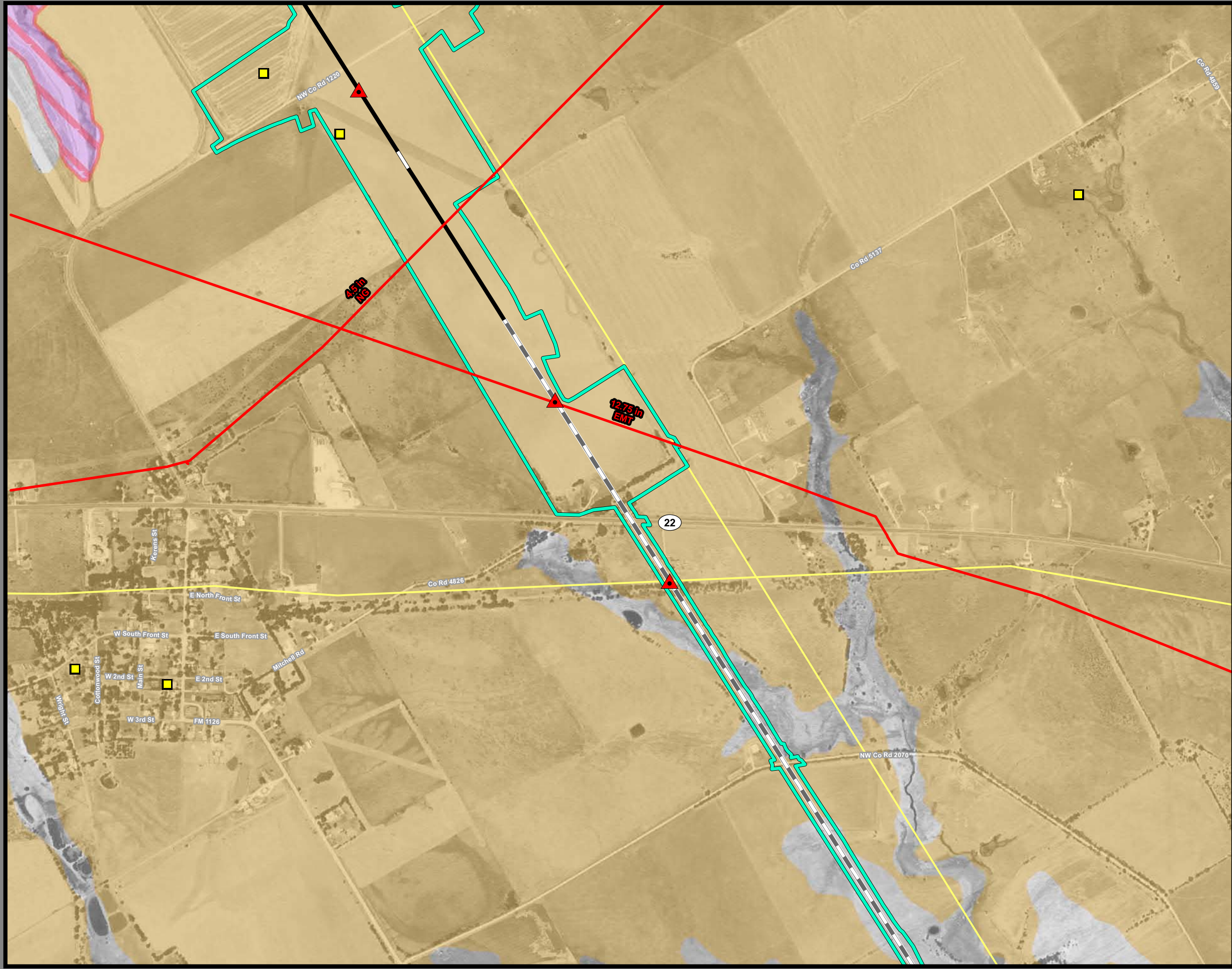
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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**

Legend

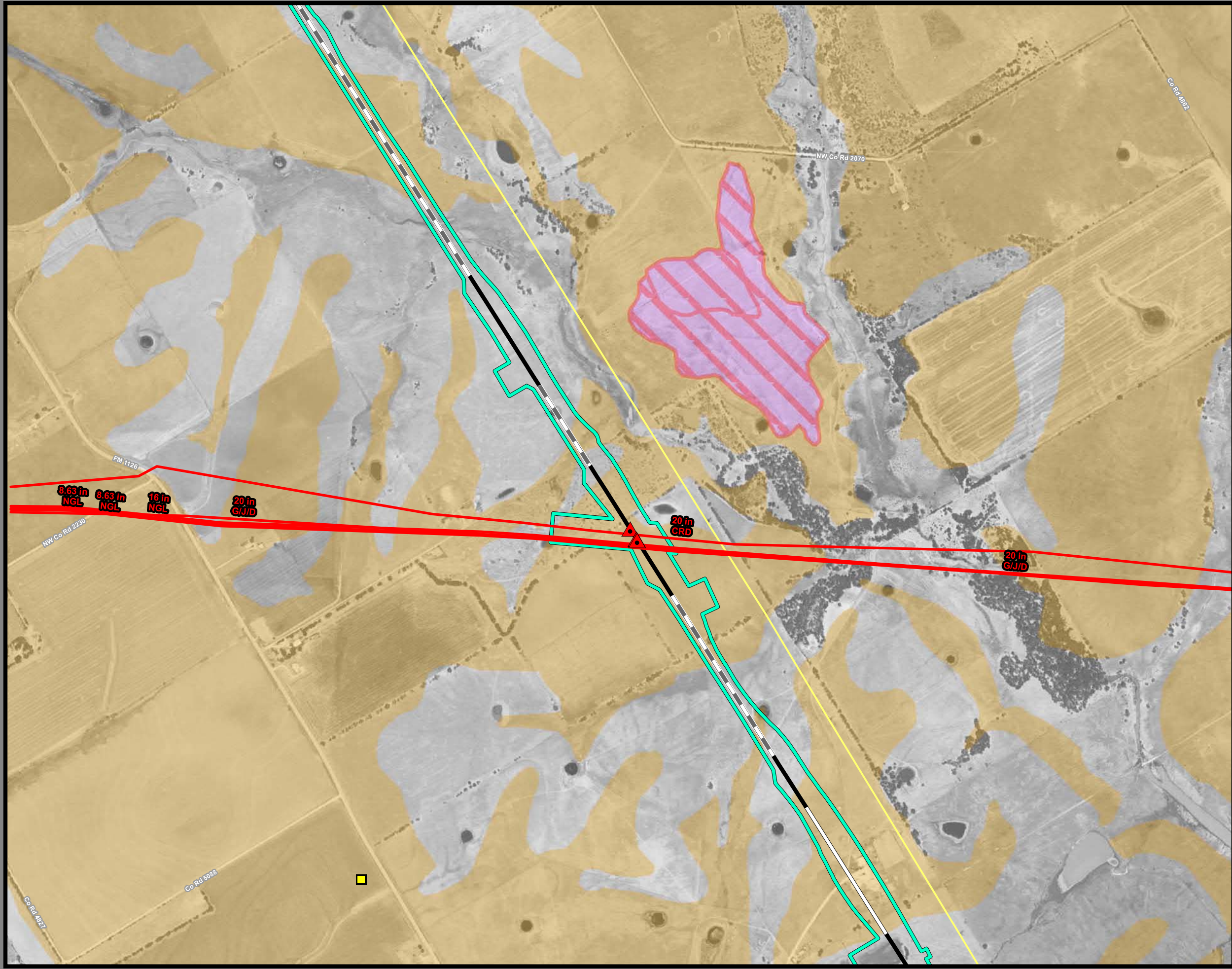
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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**

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

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; R-PP - 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 50 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

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
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 51 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

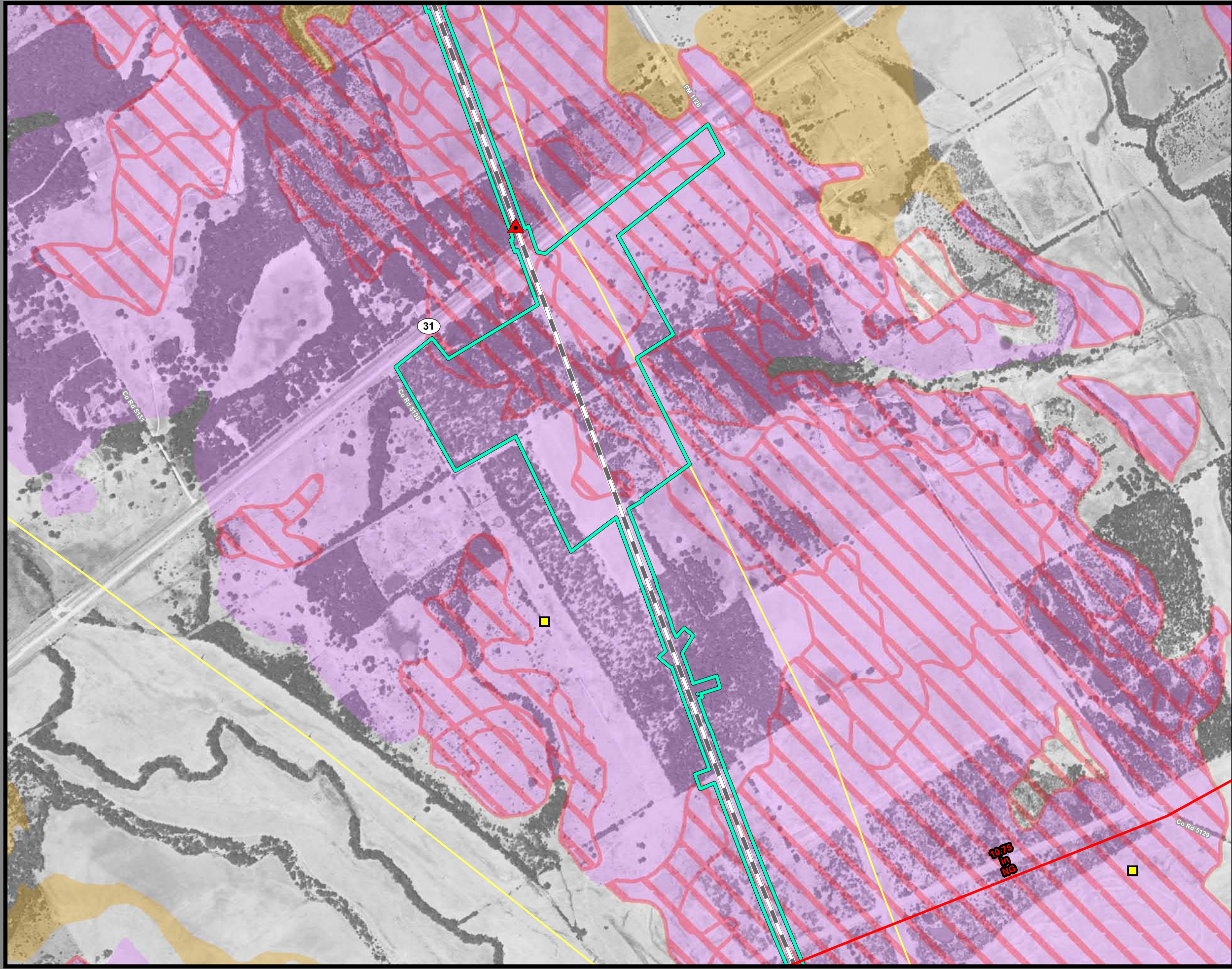
This Sheet only depicts Segment 3A; Segment 3C is also located in this same area and can be referenced on Sheet 89.

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

1 inch = 800 feet

0 200 400 800 Feet



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

Legend

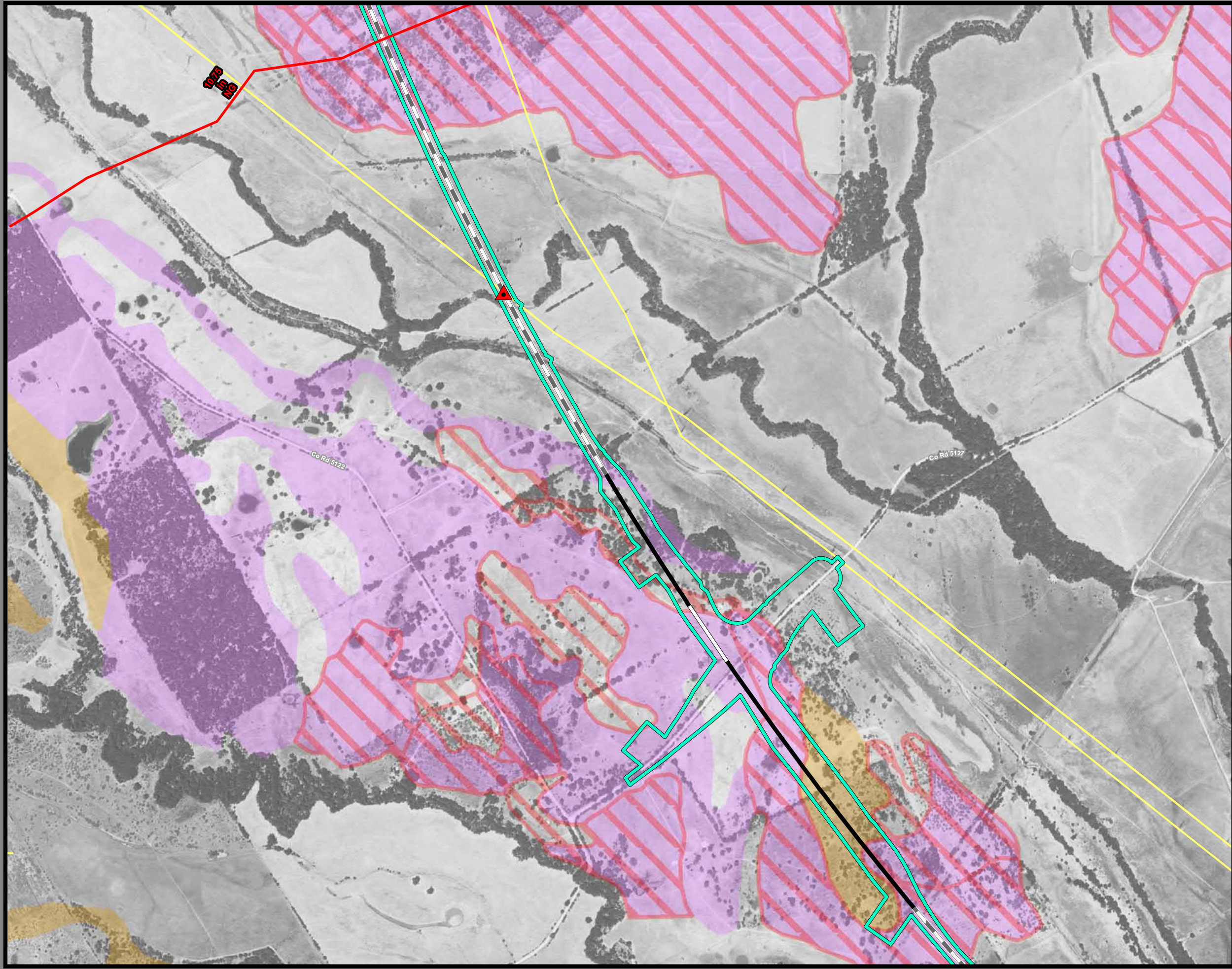
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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

Legend

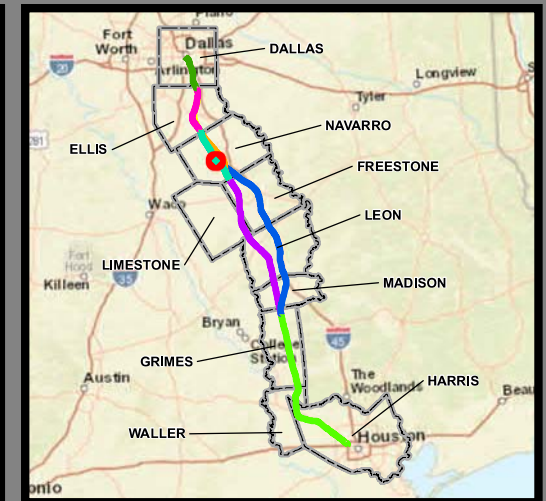
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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
 Segment 3A
Sheet 54 of 257

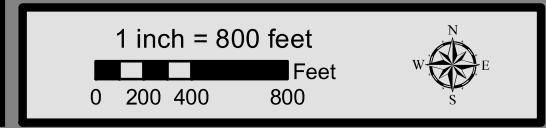
Legend

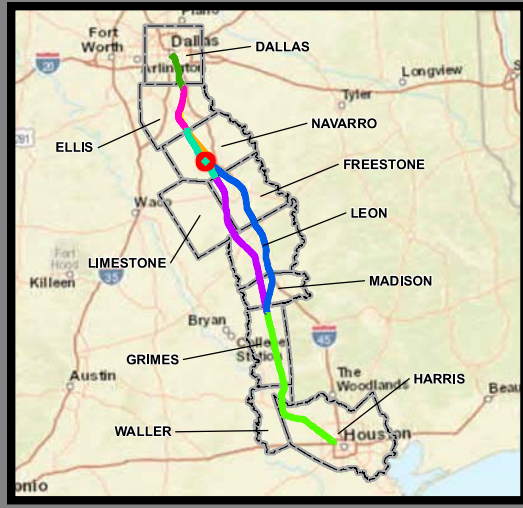
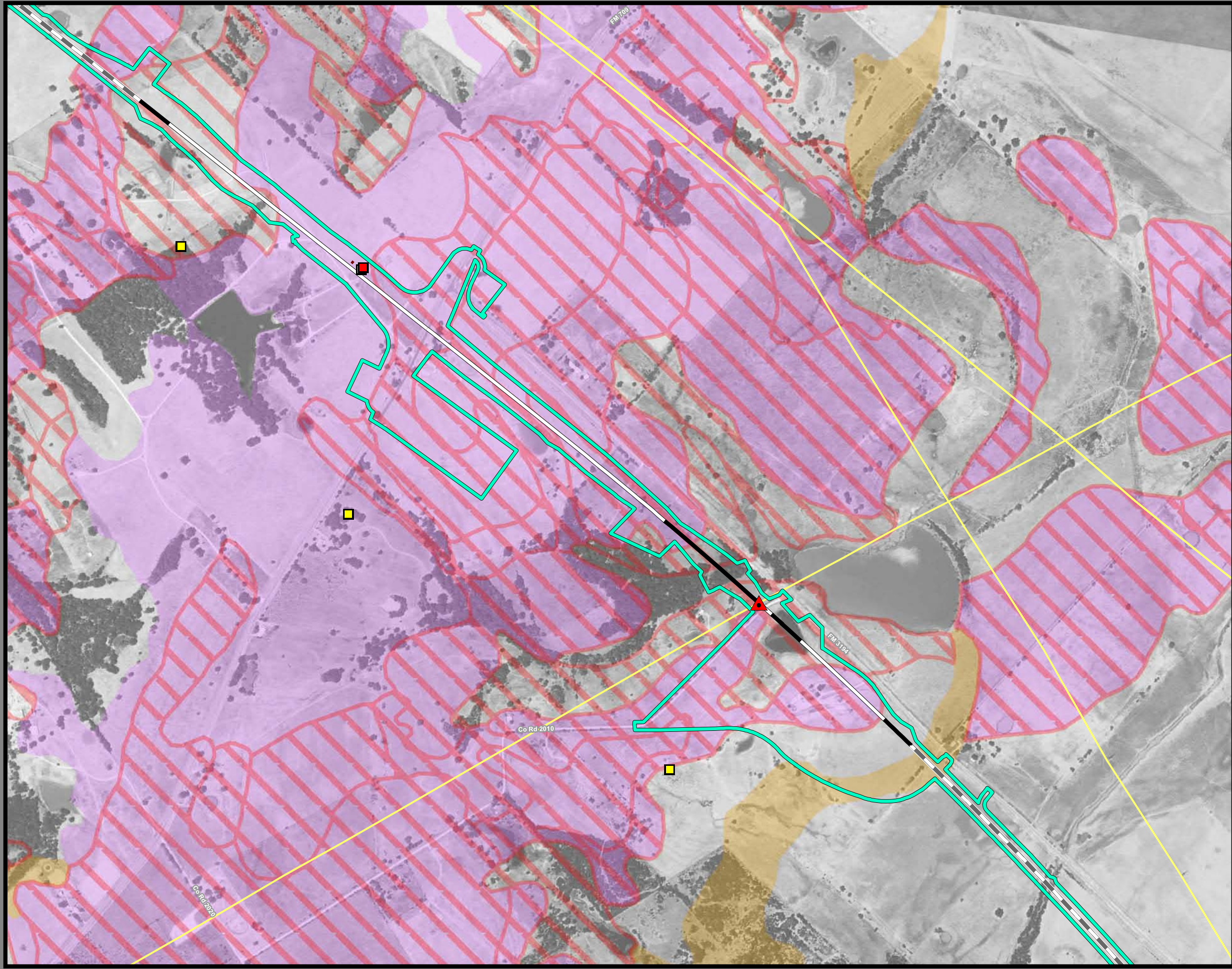
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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
Segment 3A
Sheet 55 of 257**

Legend

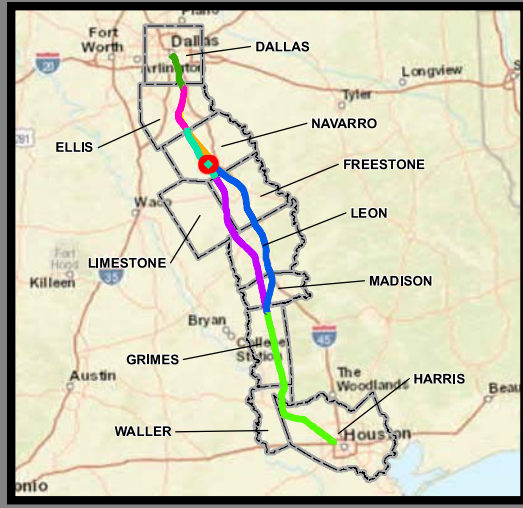
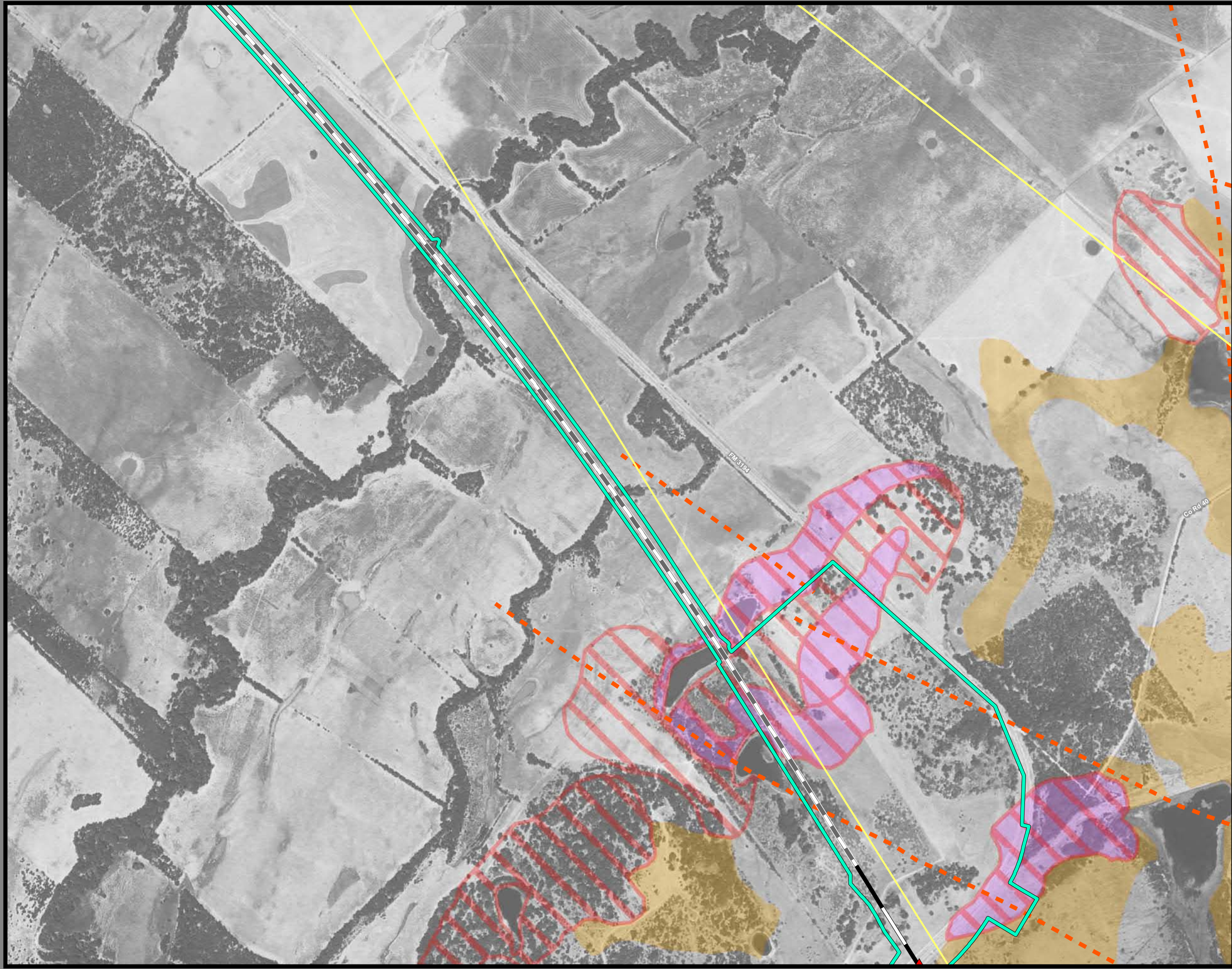
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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





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

Legend

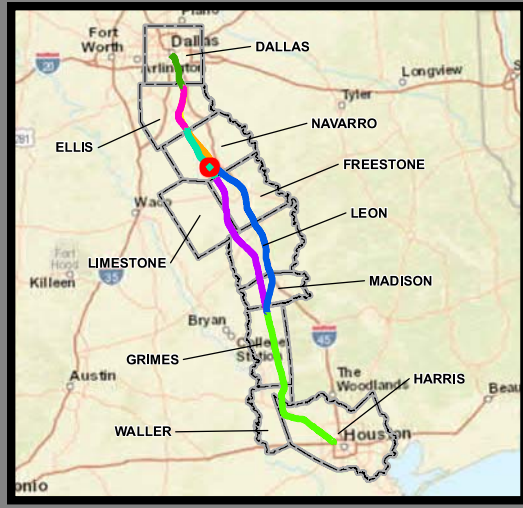
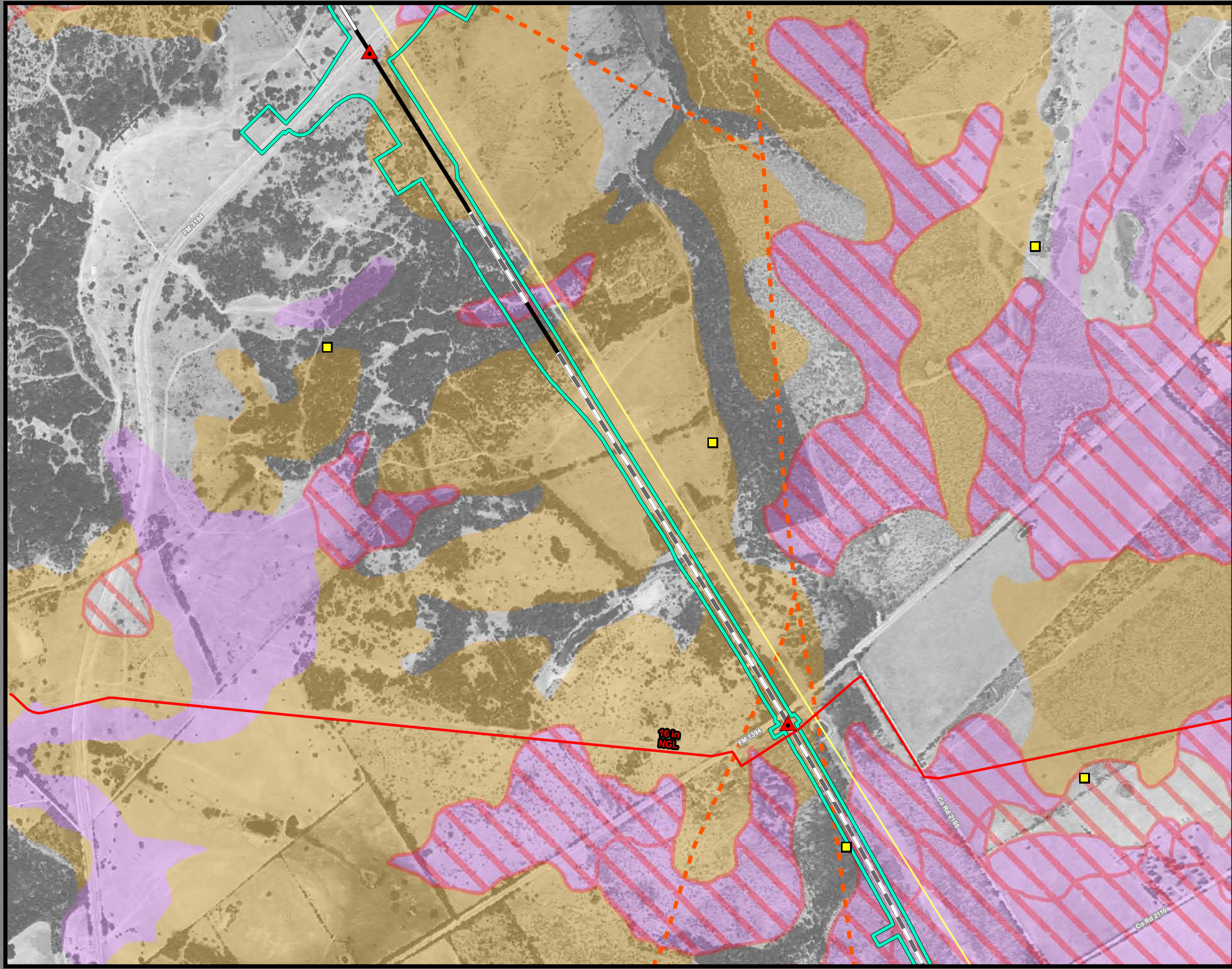
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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





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

Legend

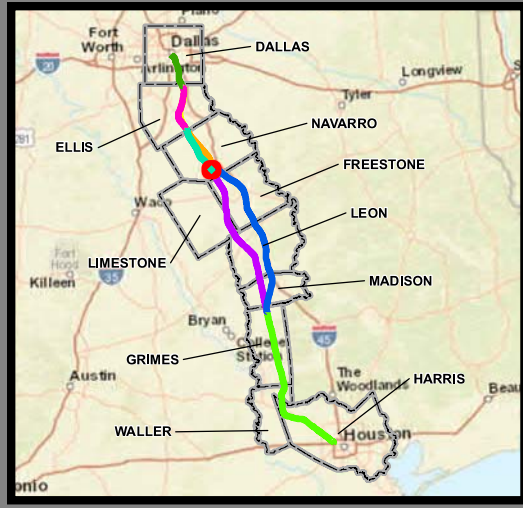
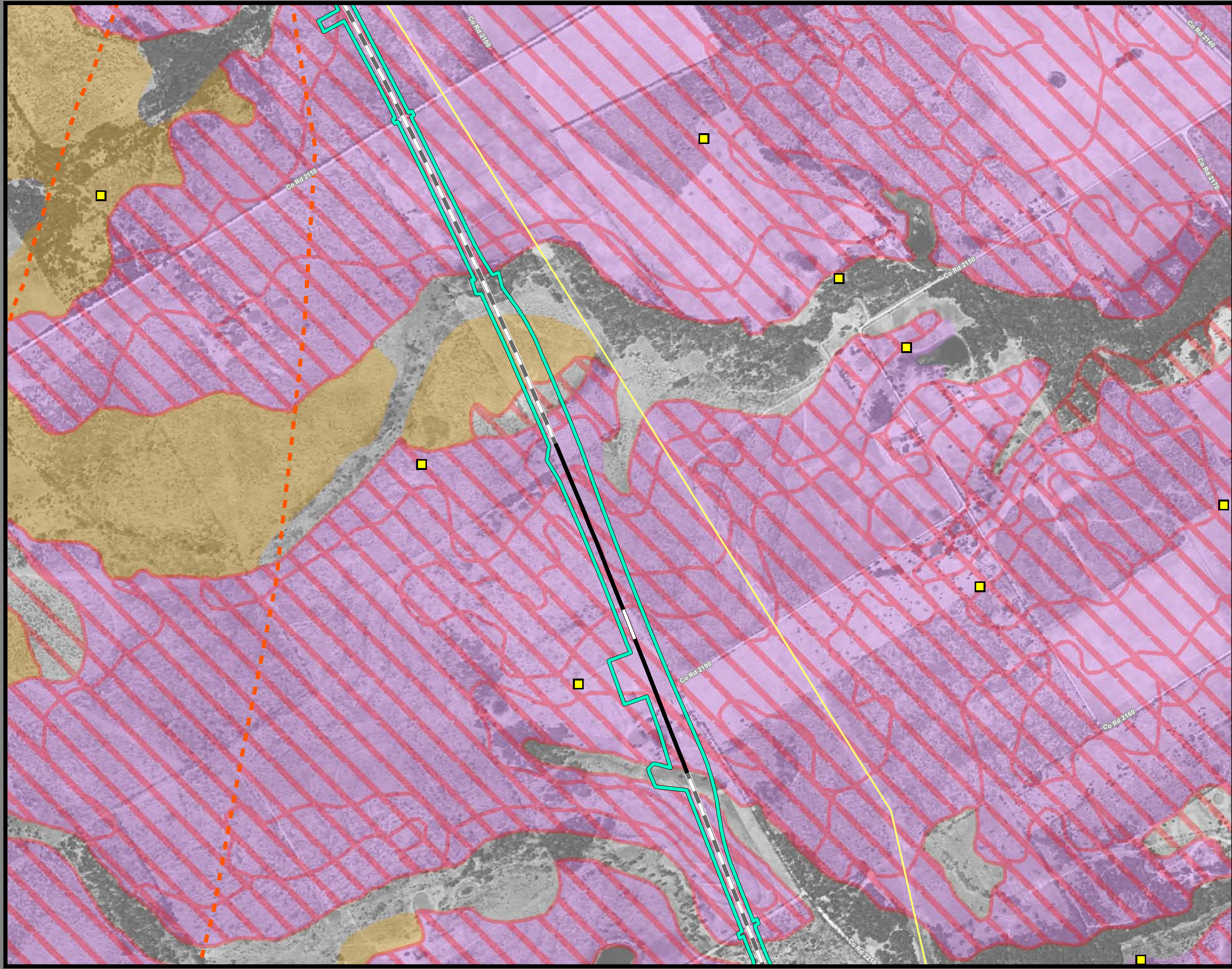
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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





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

Legend

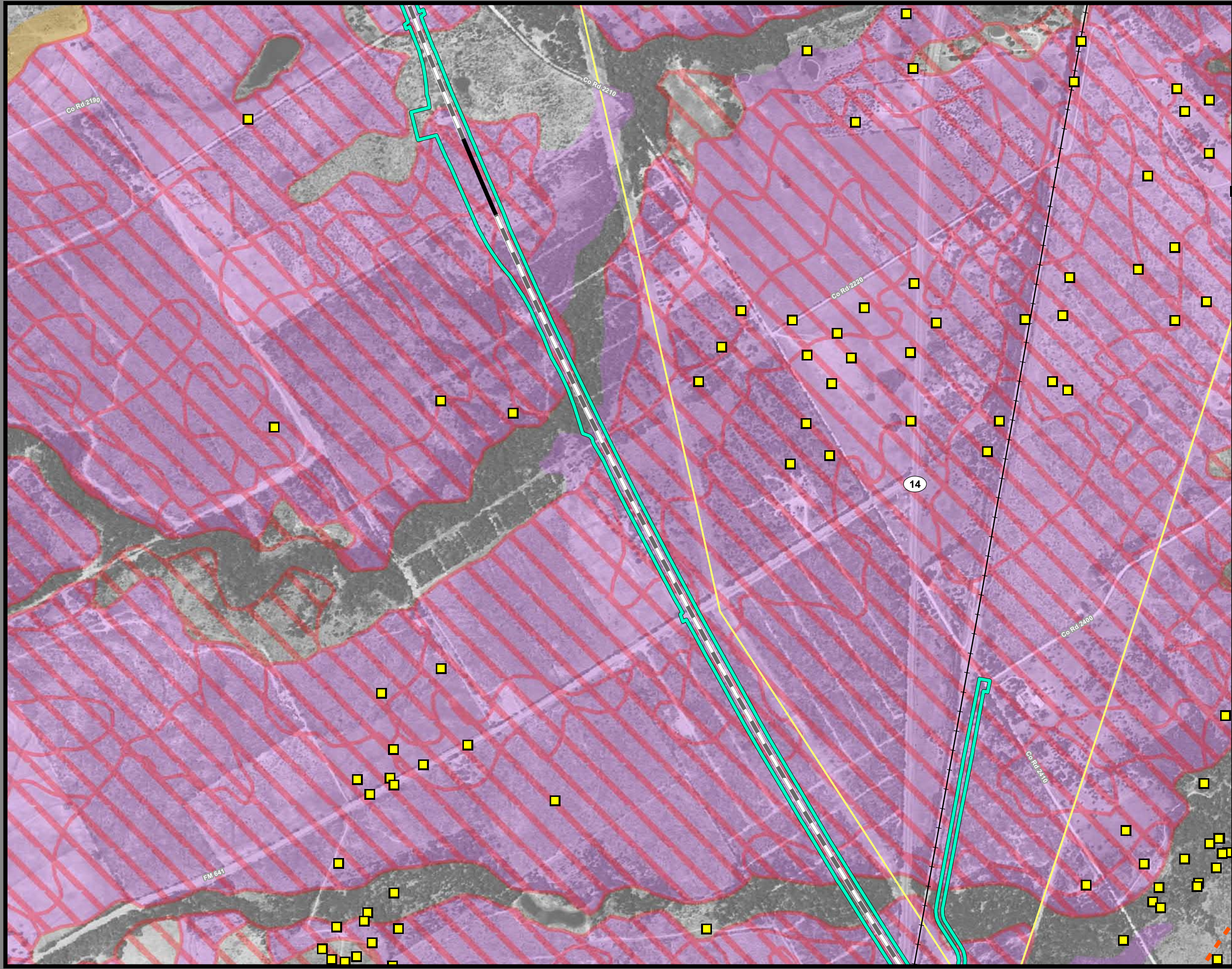
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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; 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 59 of 257**

Legend

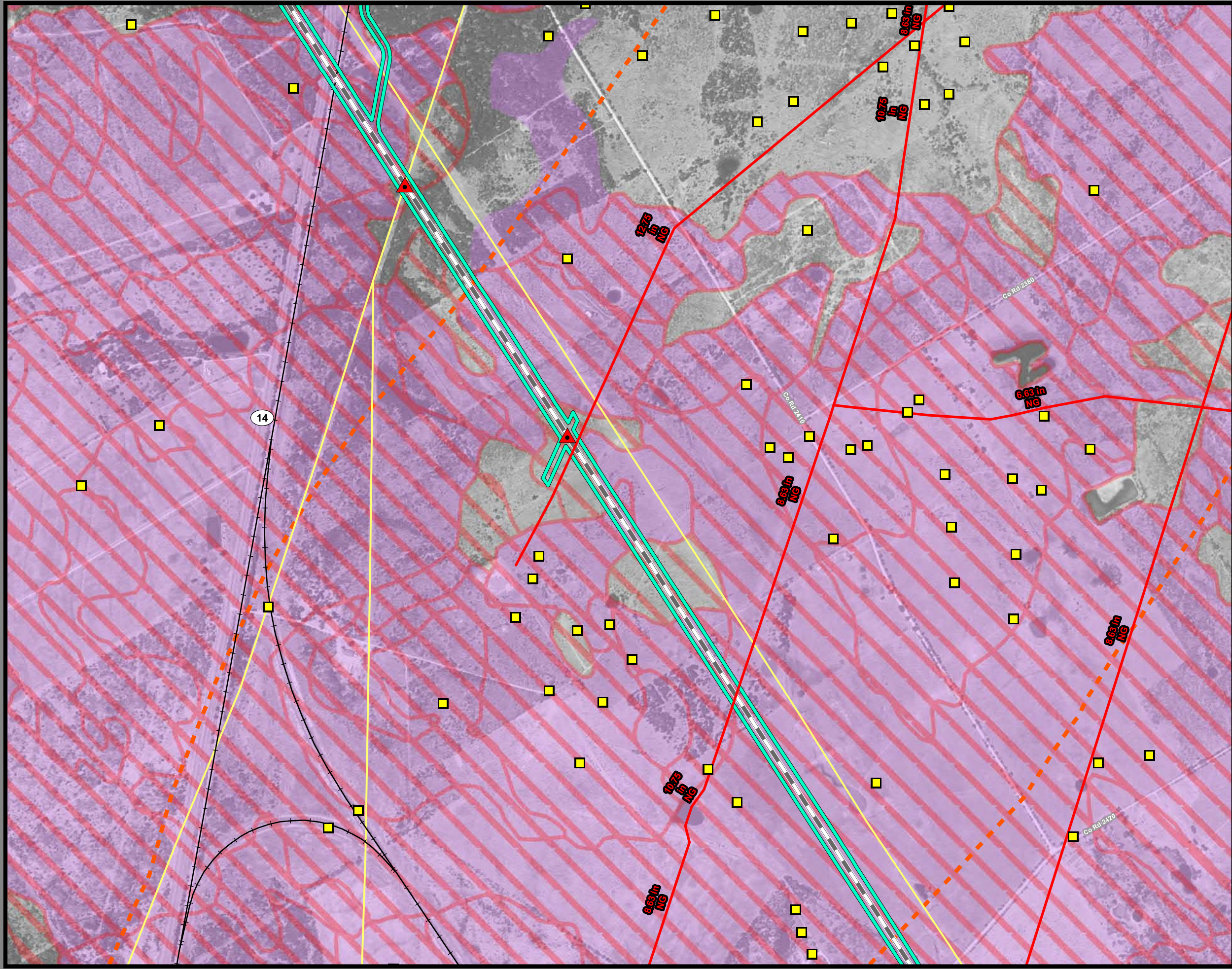
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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
High-Speed Rail Project
Mineral and Utility Resources
Segment 3A
Sheet 60 of 257**

Legend

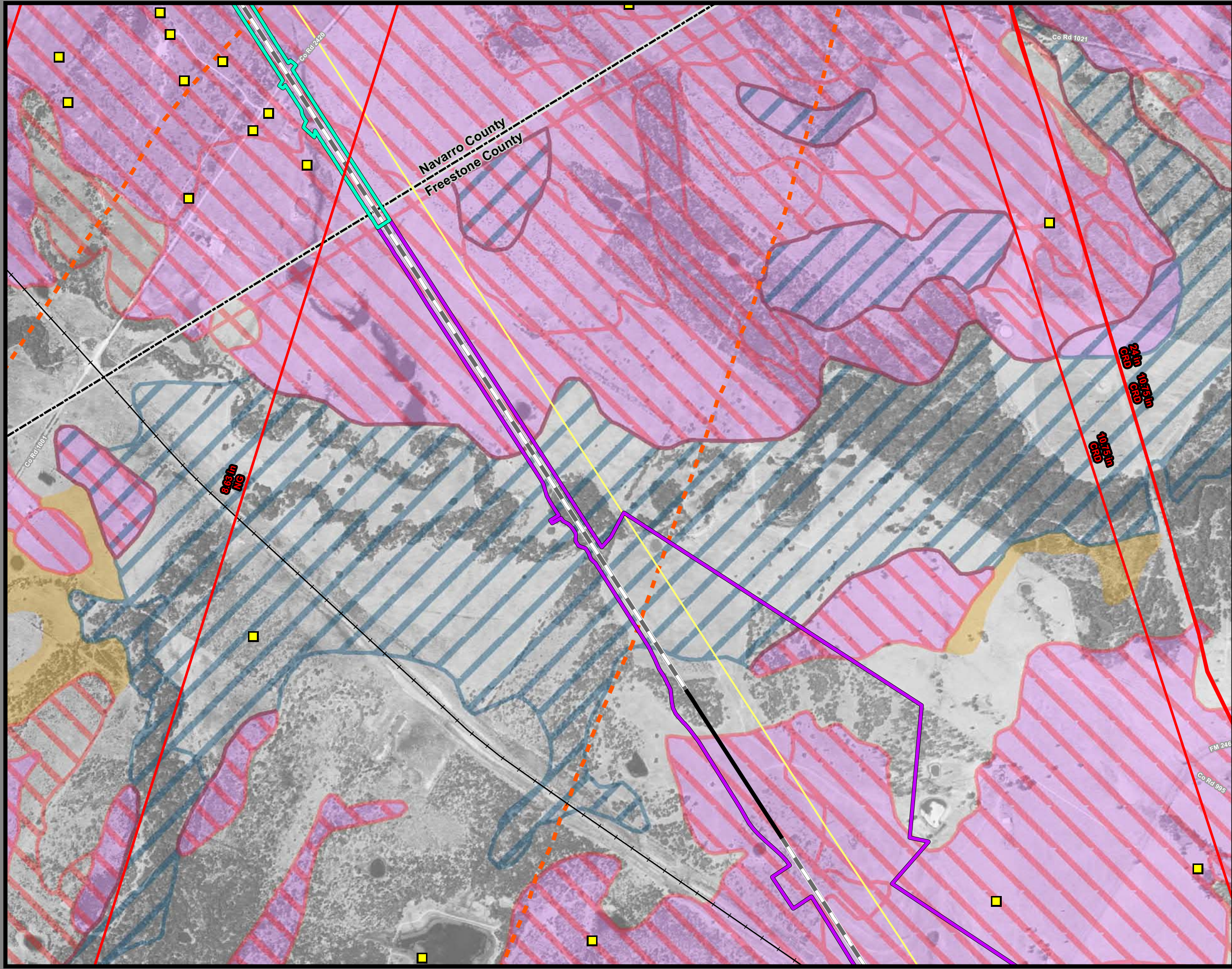
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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**

Legend

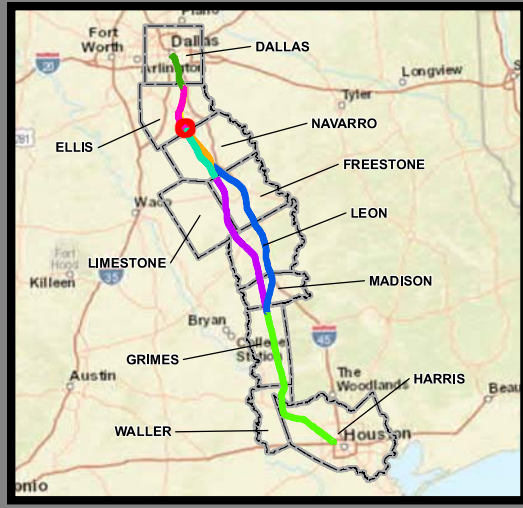
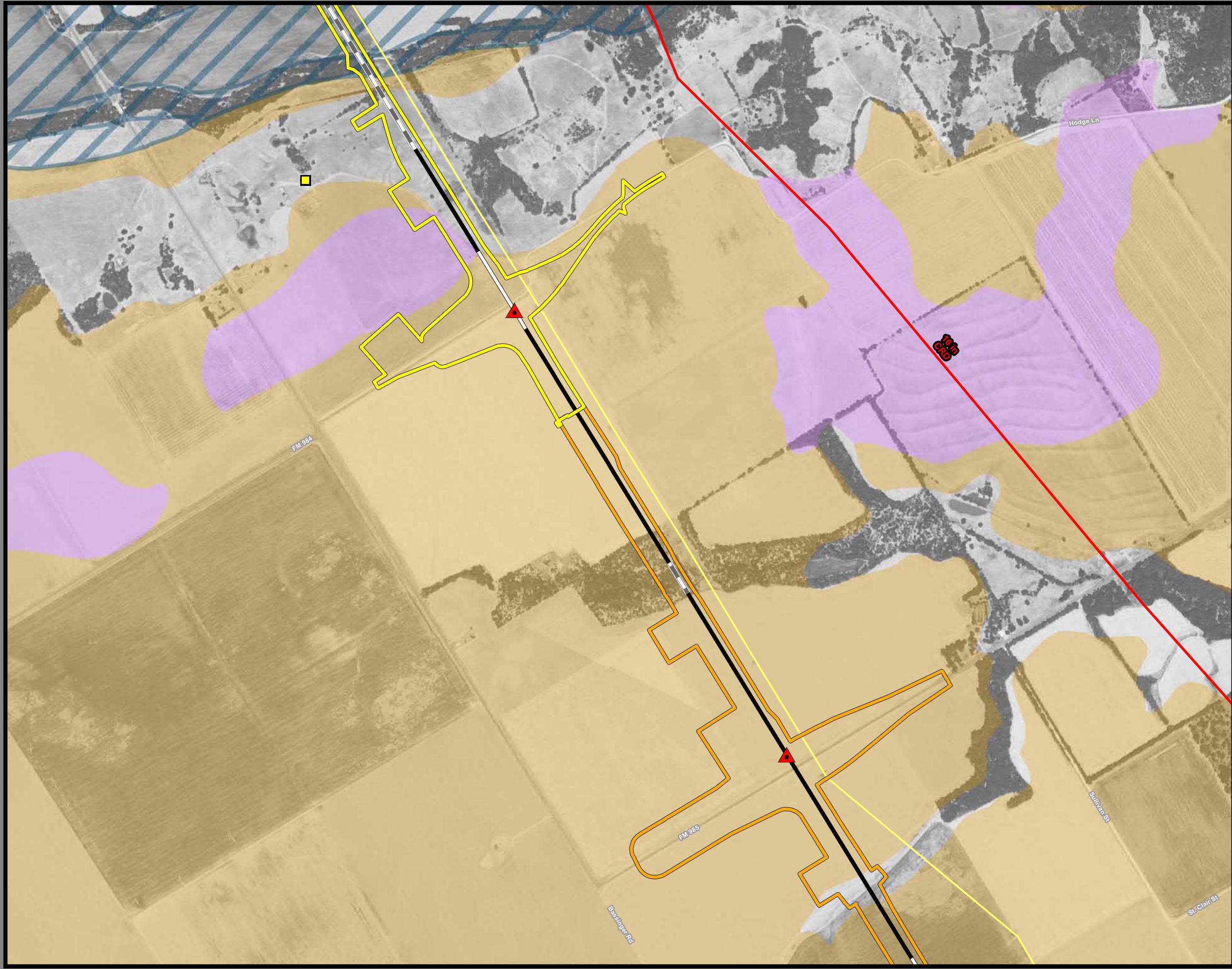
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active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

Legend

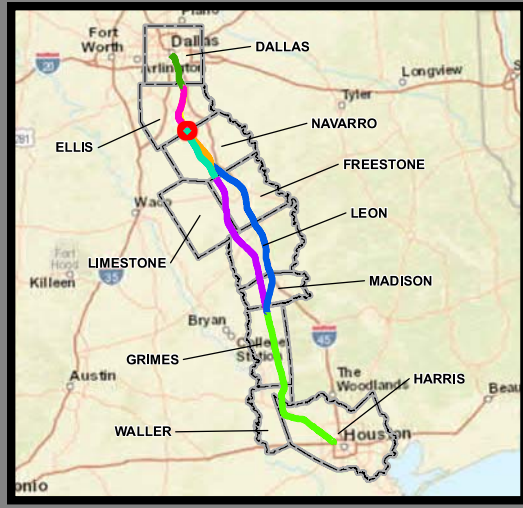
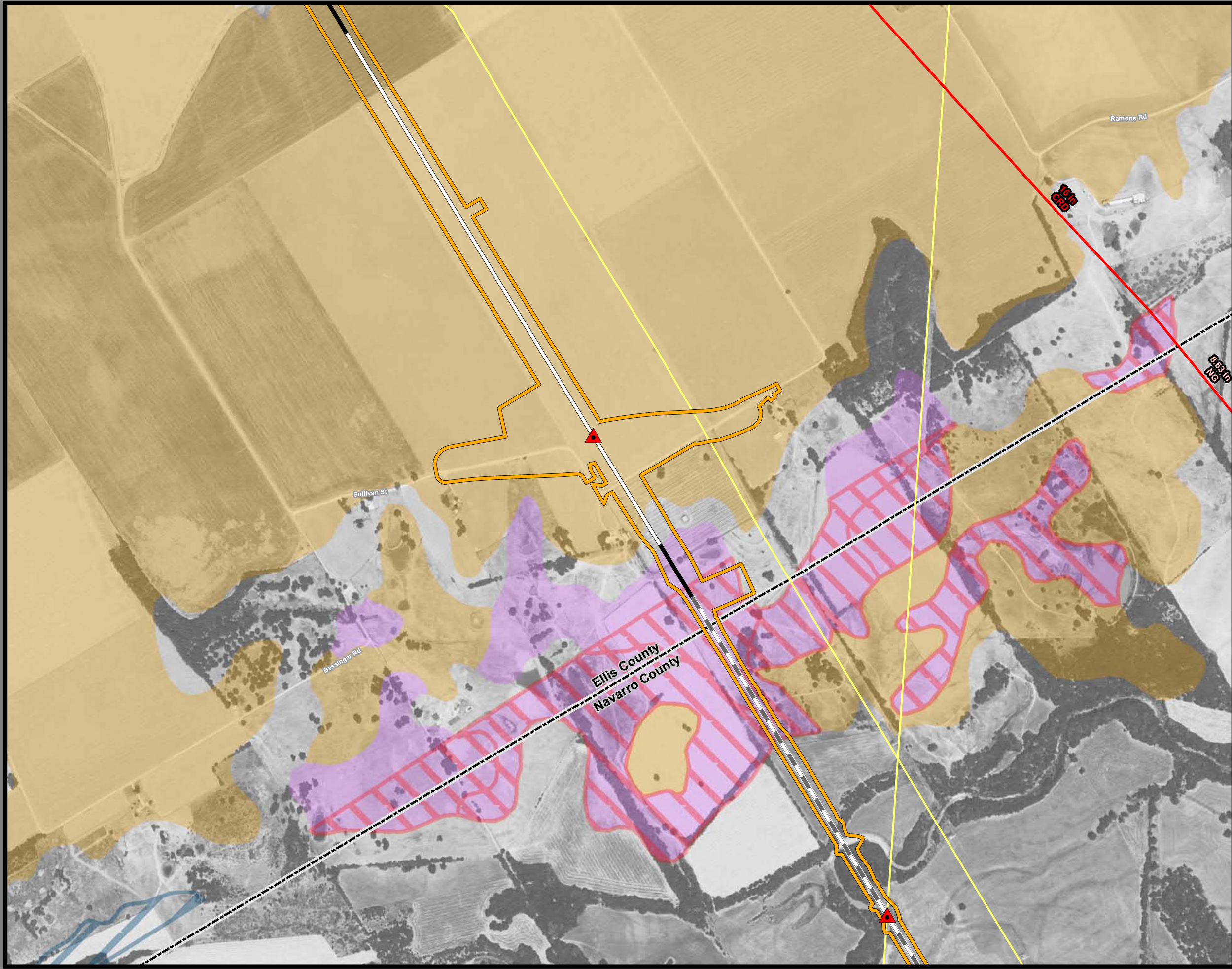
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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**

Legend

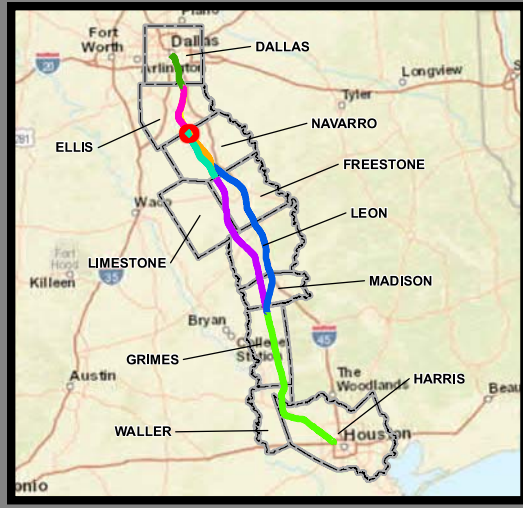
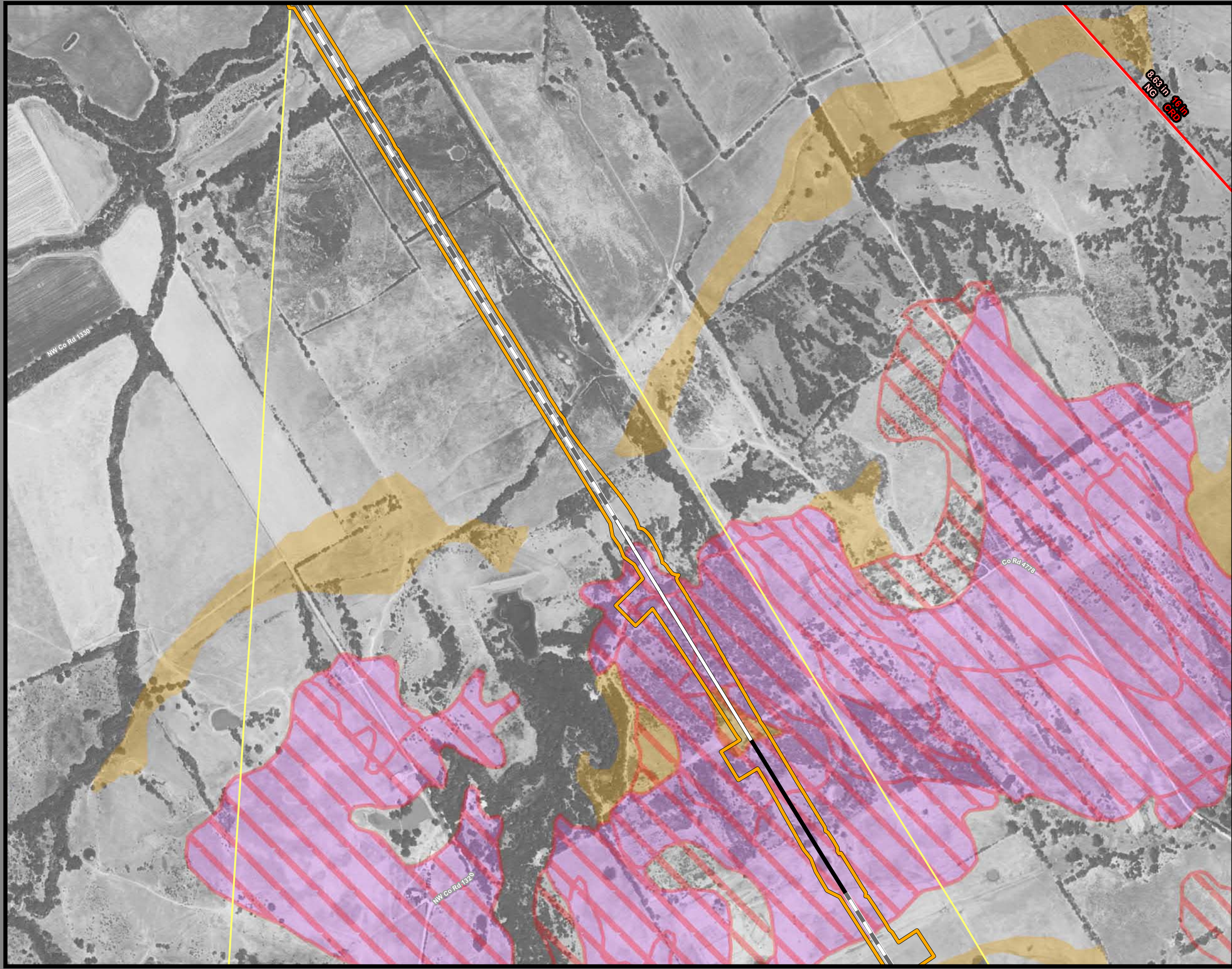
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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**

Legend

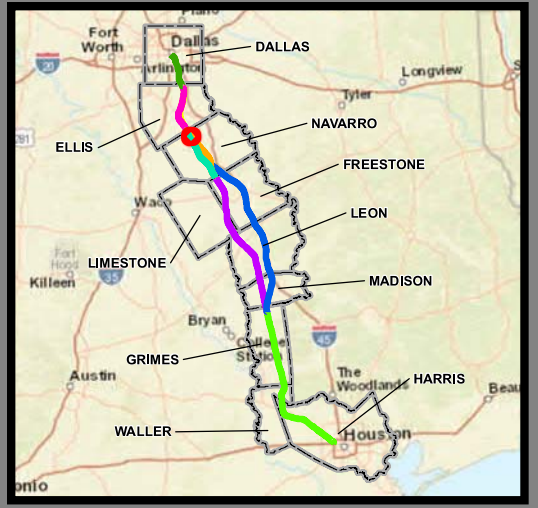
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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**

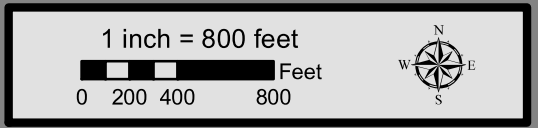
Legend

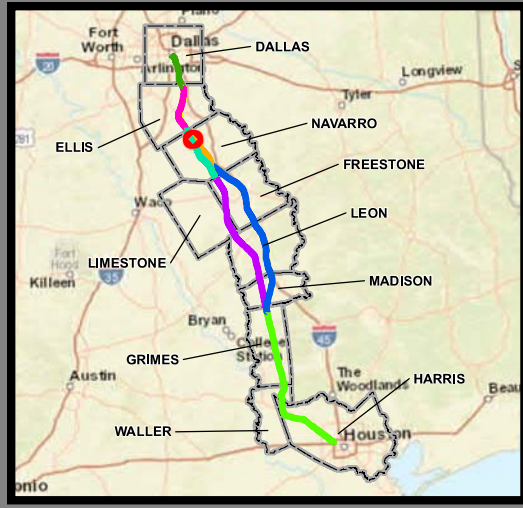
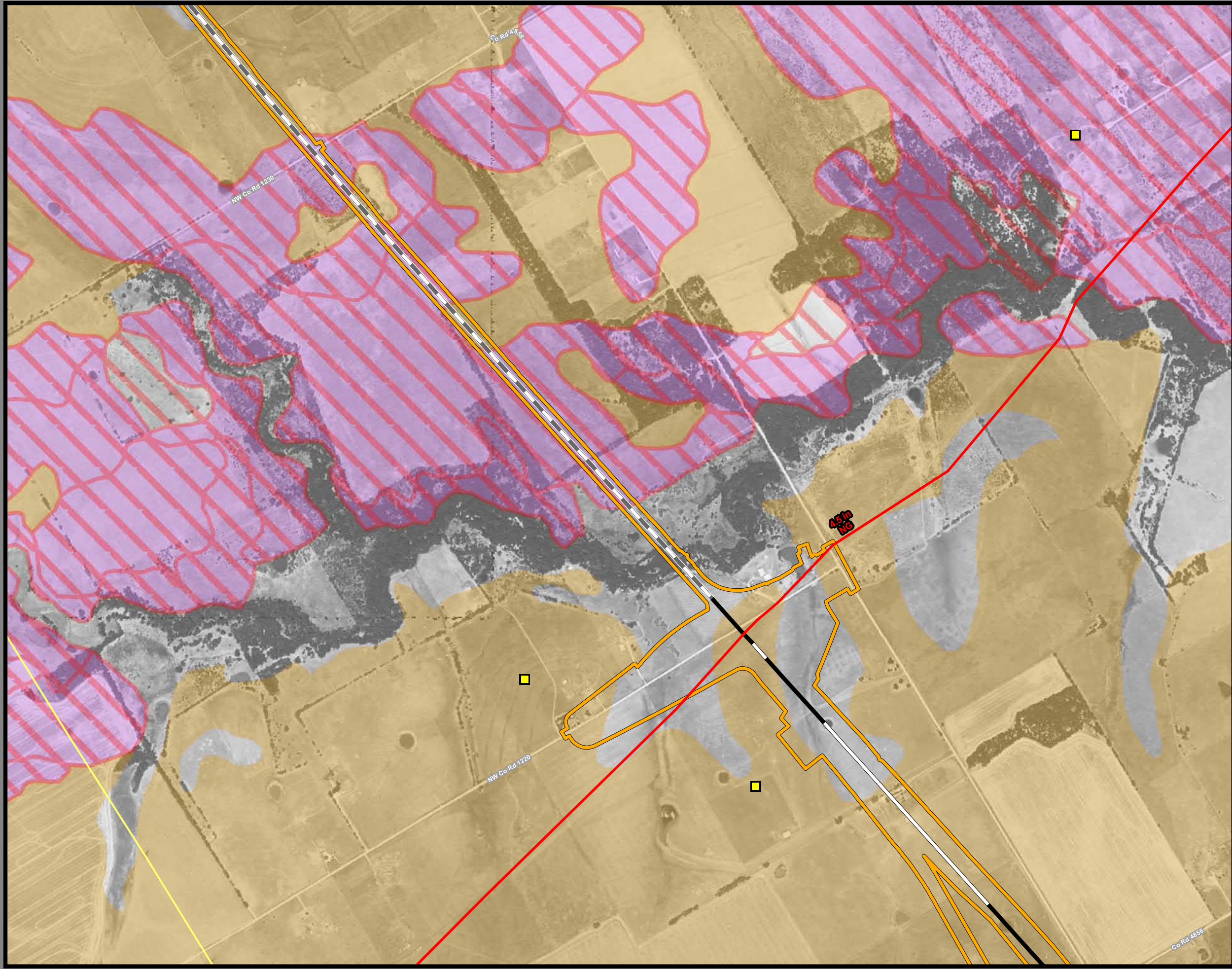
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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; 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 66 of 257**

Legend

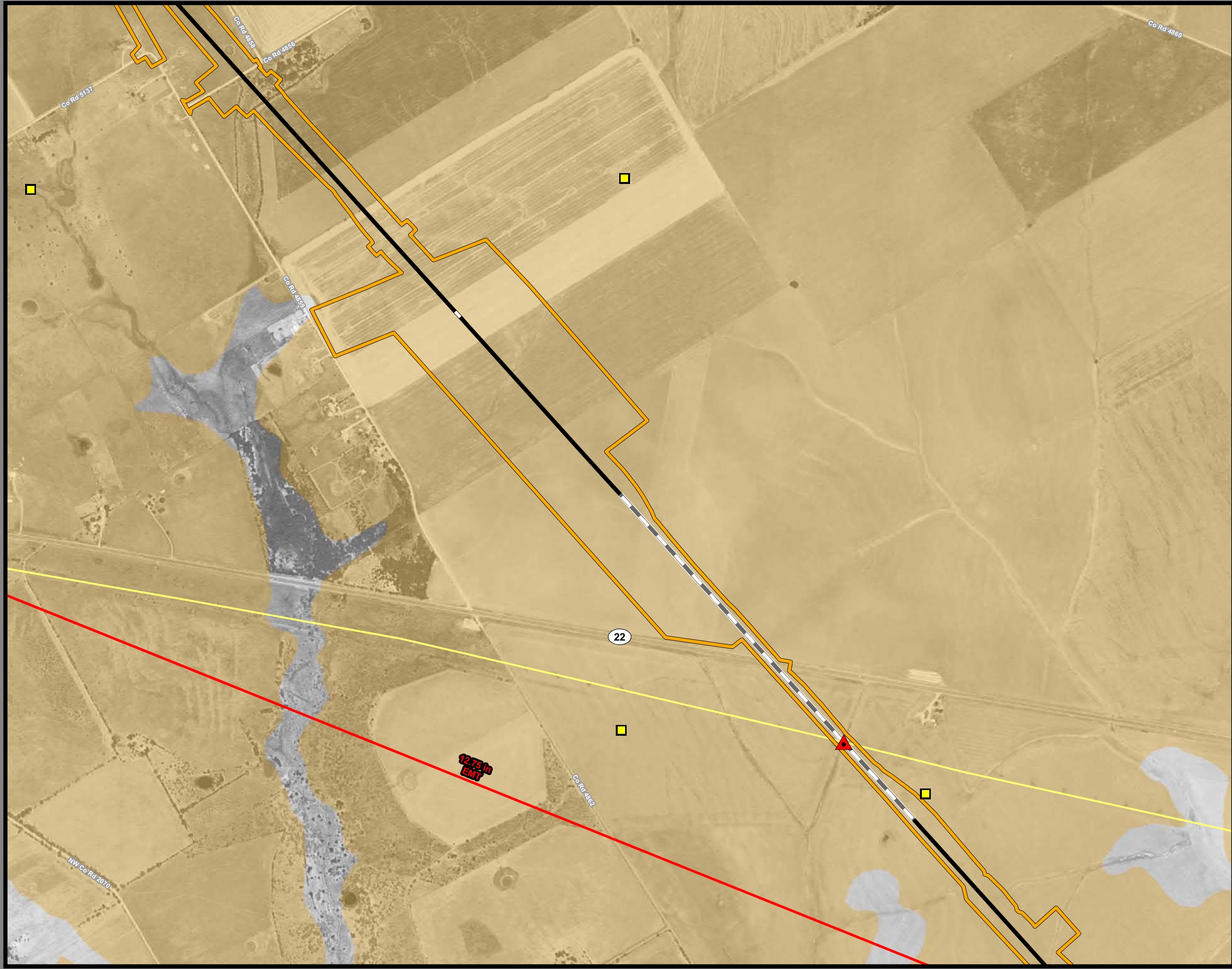
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	Oil/Gas Wells
Segment 3B	Vertical
Segment 3C	Directional: Surface
Segment 4	Directional: Bottom
Segment 5	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active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

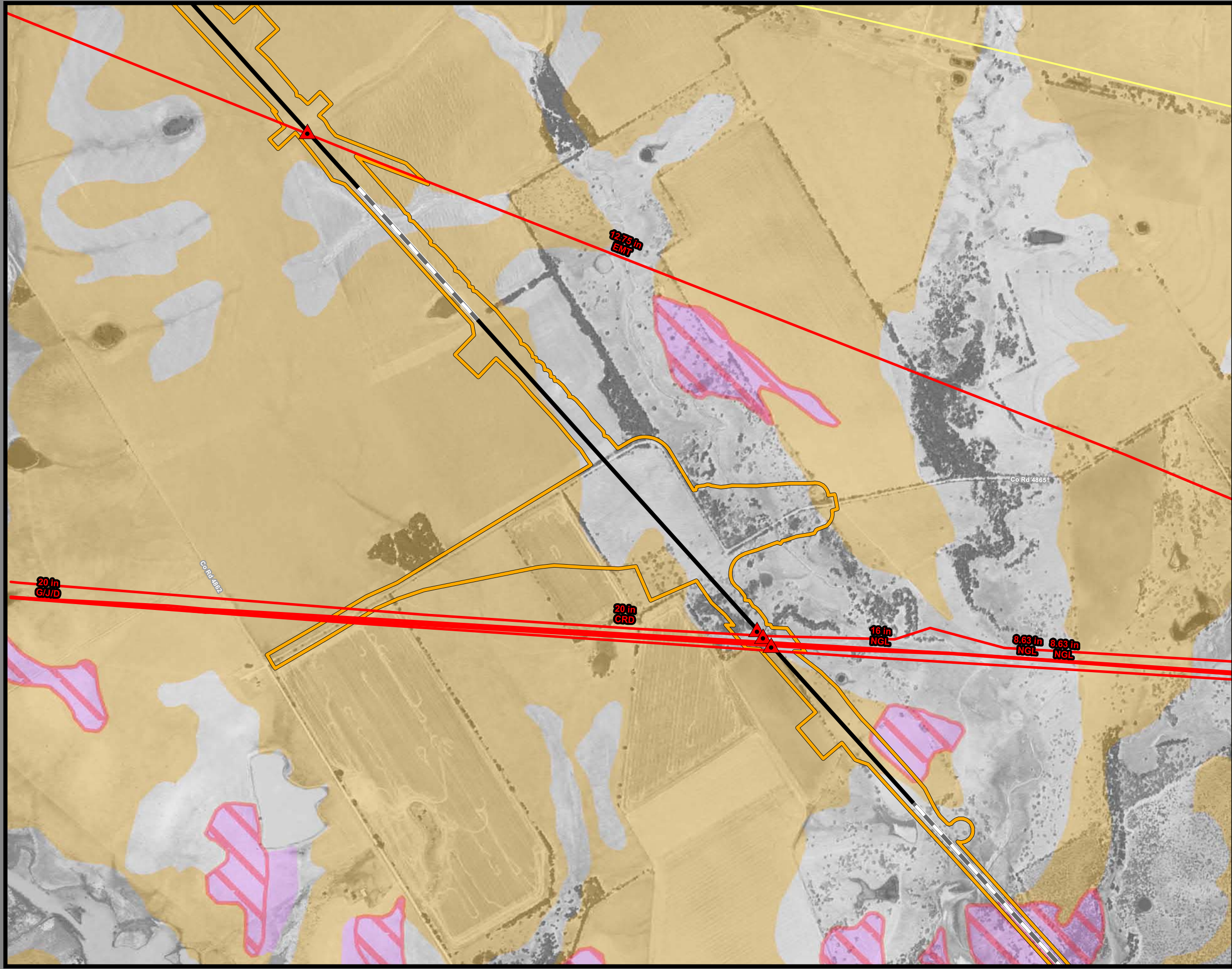
Legend

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





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

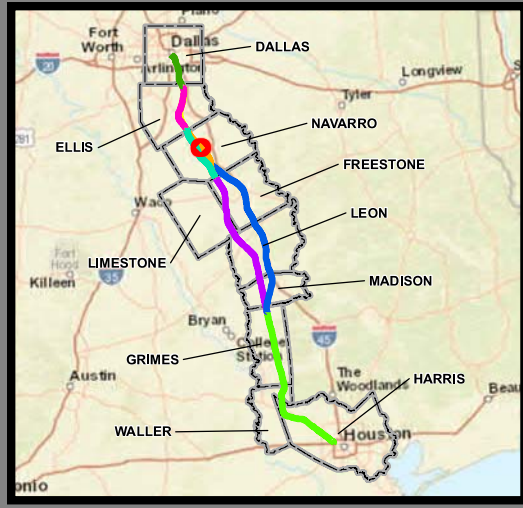
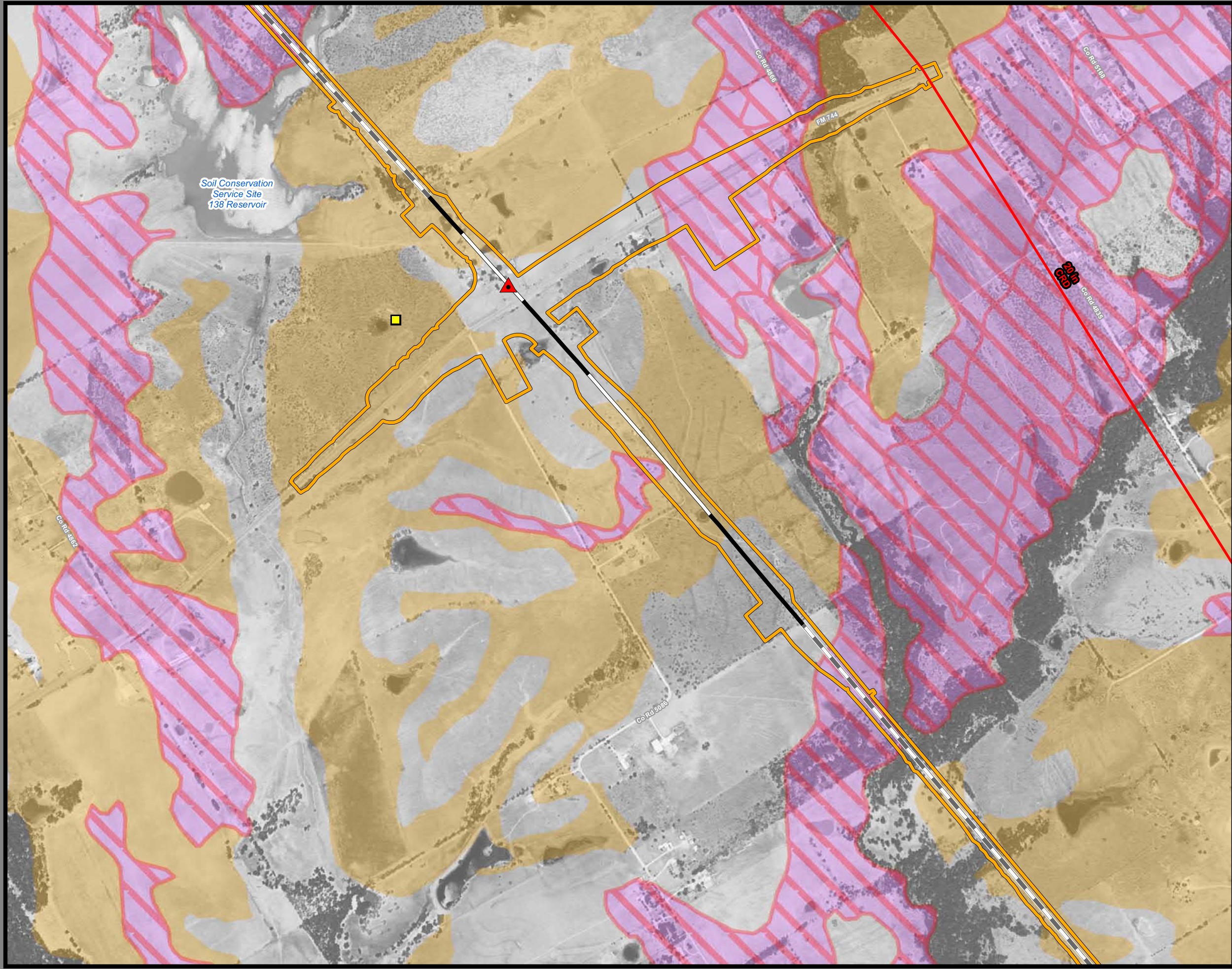
Legend

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; 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**

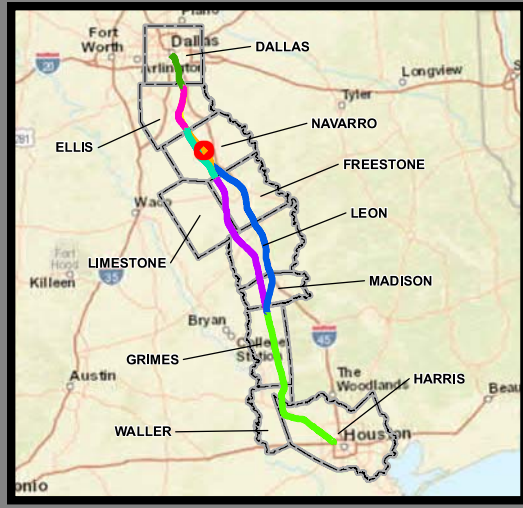
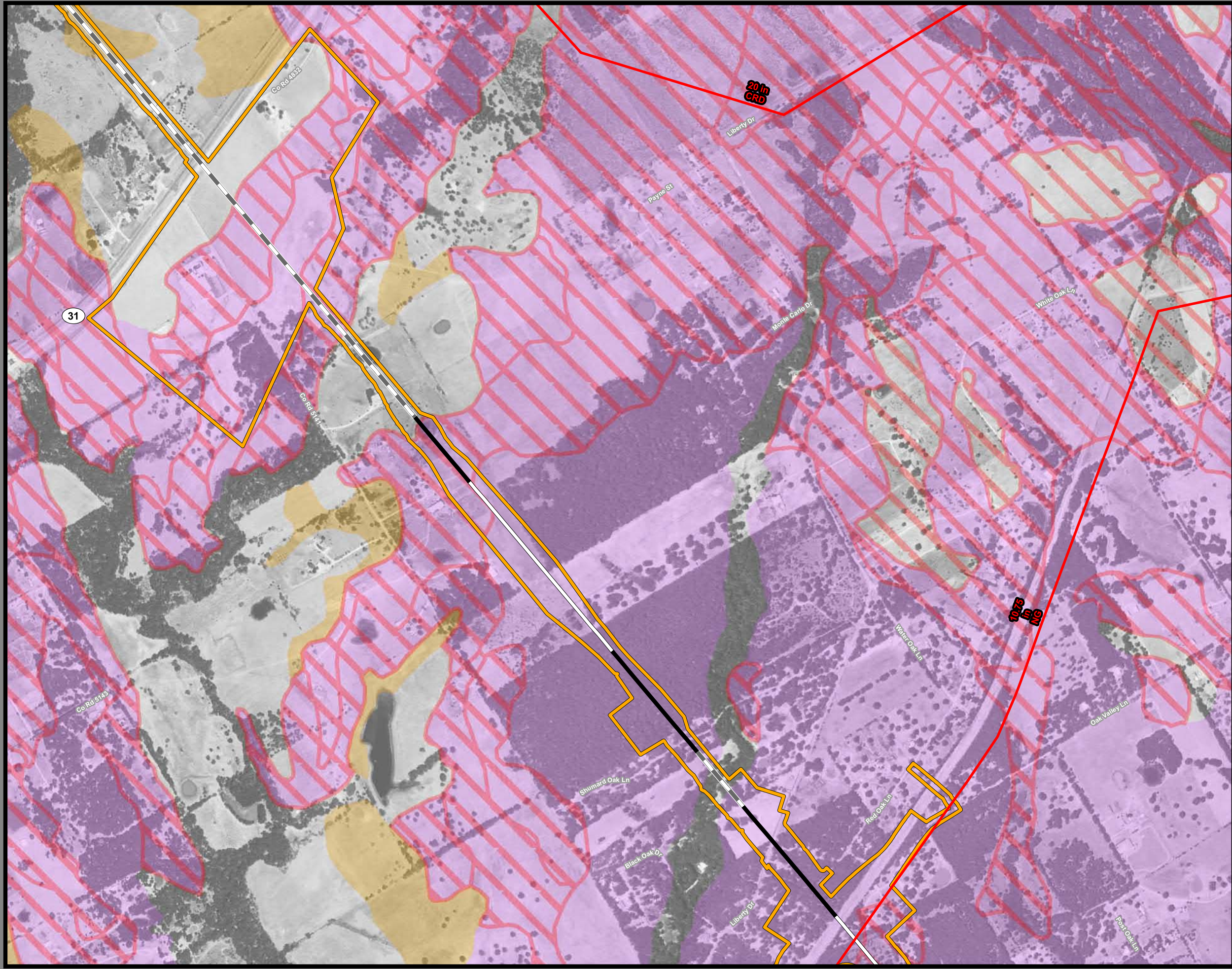
Legend

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 3B
Sheet 70 of 257**

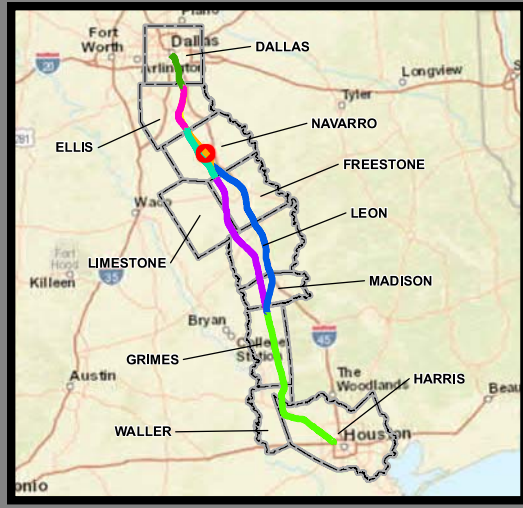
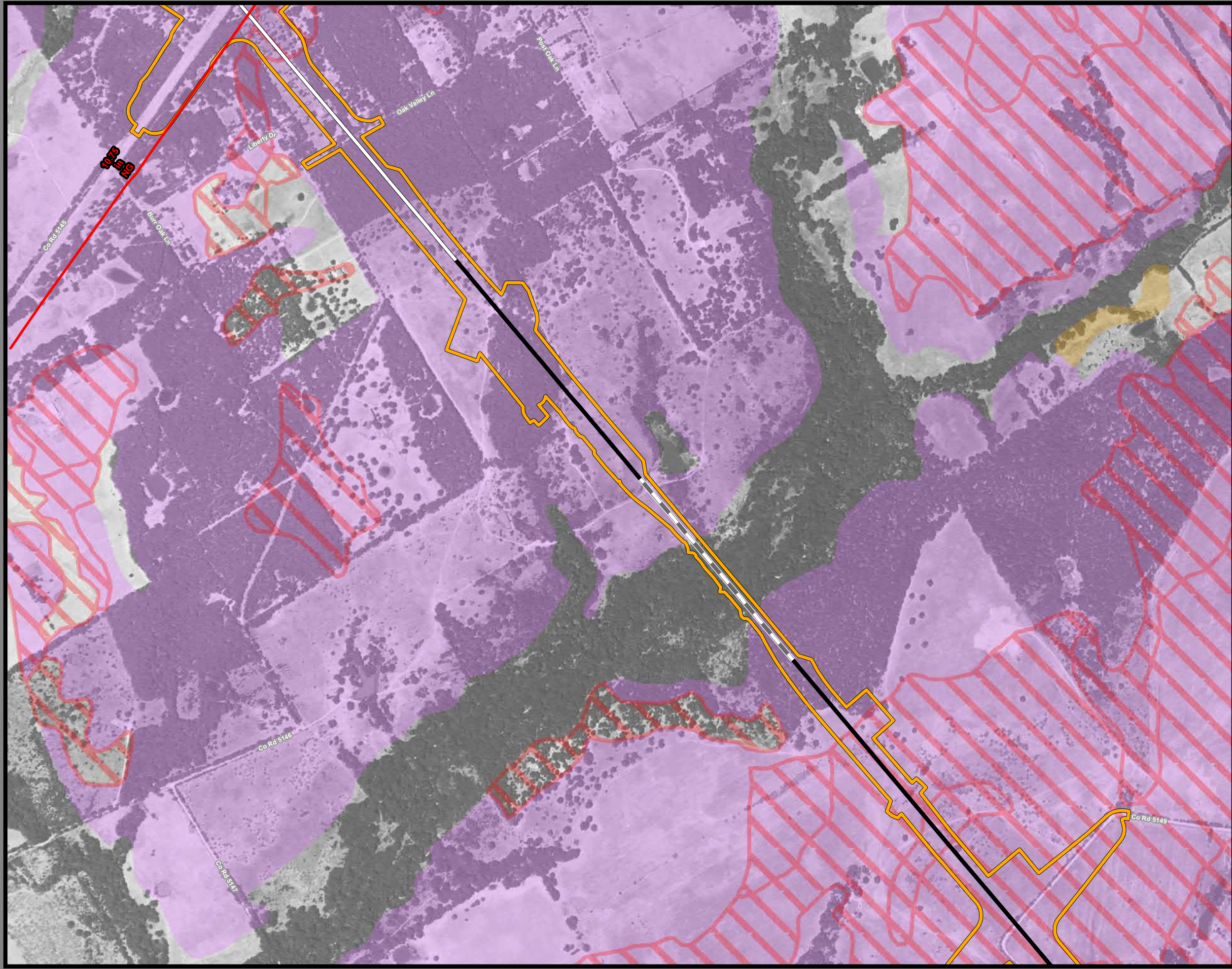
Legend

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; 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

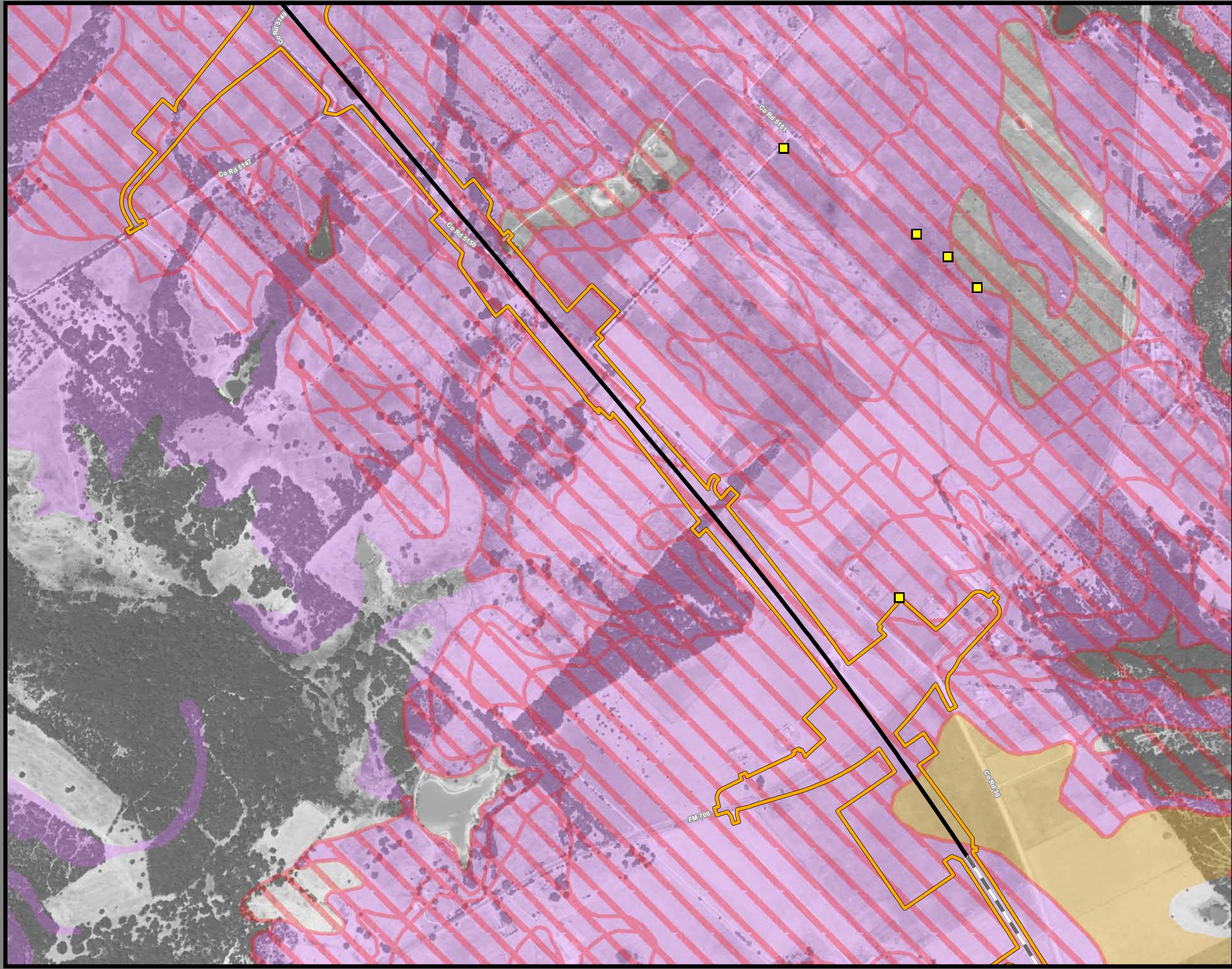
Legend

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





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

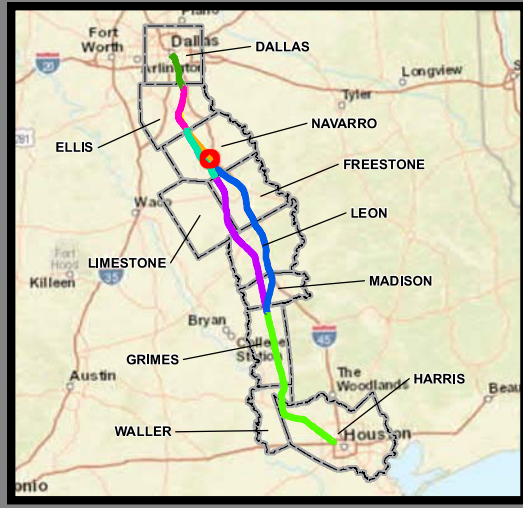
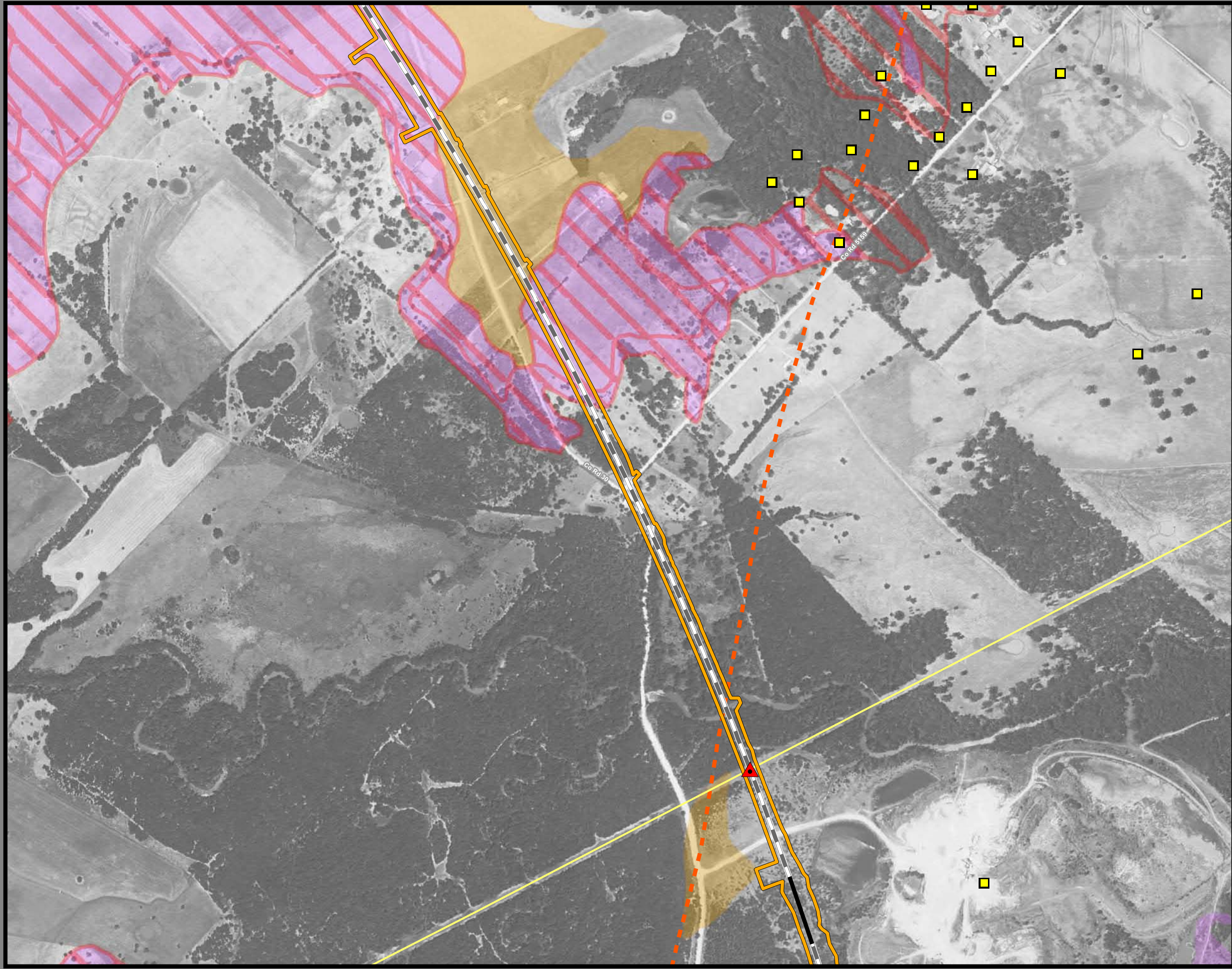
Legend

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; 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 73 of 257**

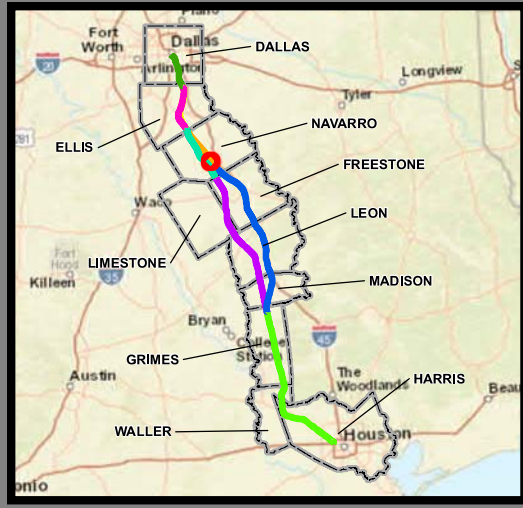
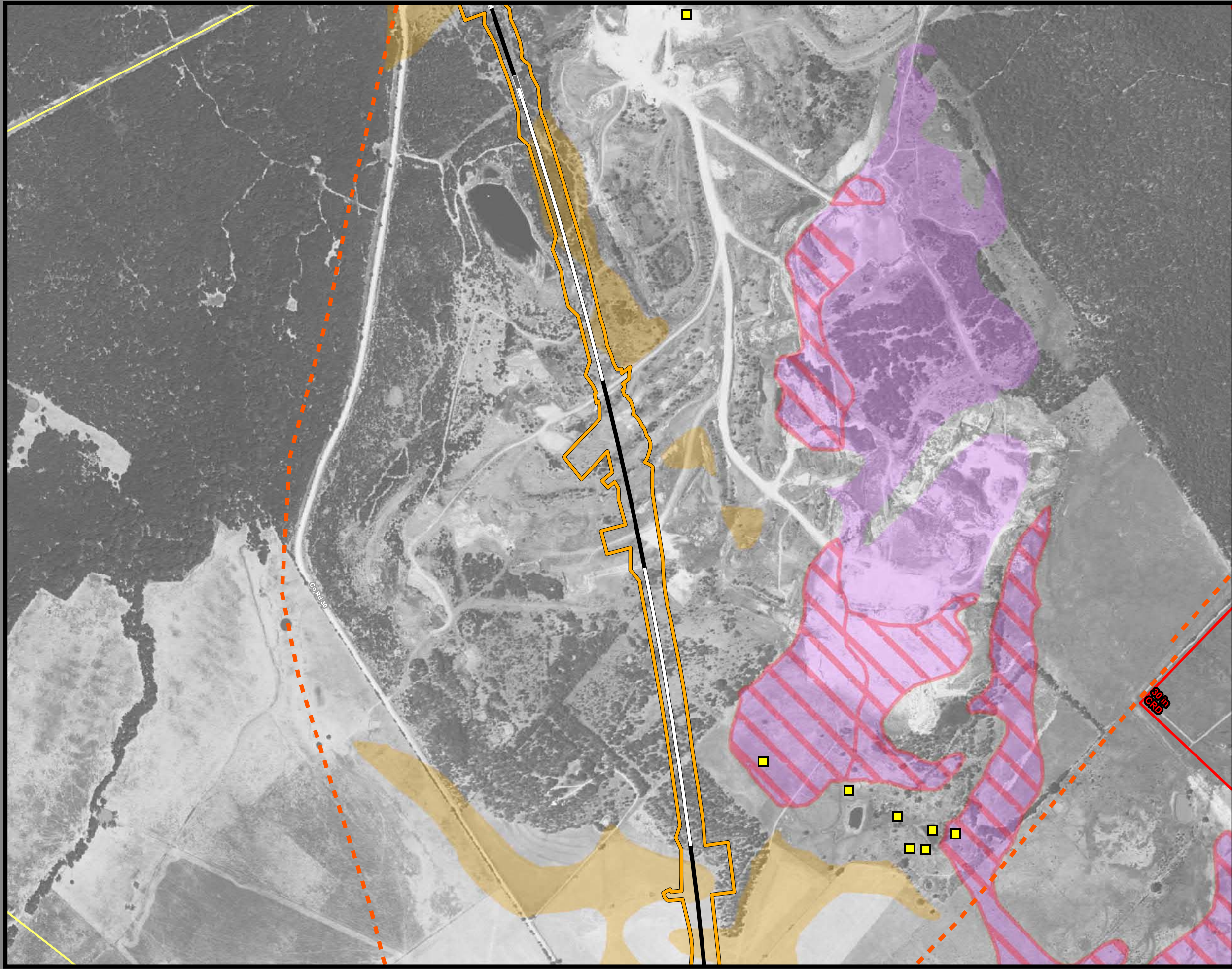
Legend

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; 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 74 of 257**

Legend

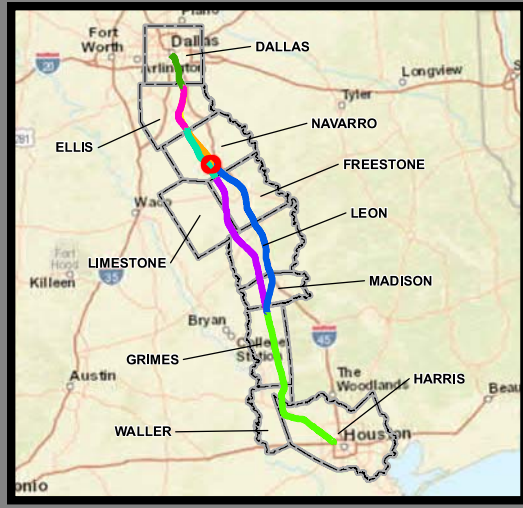
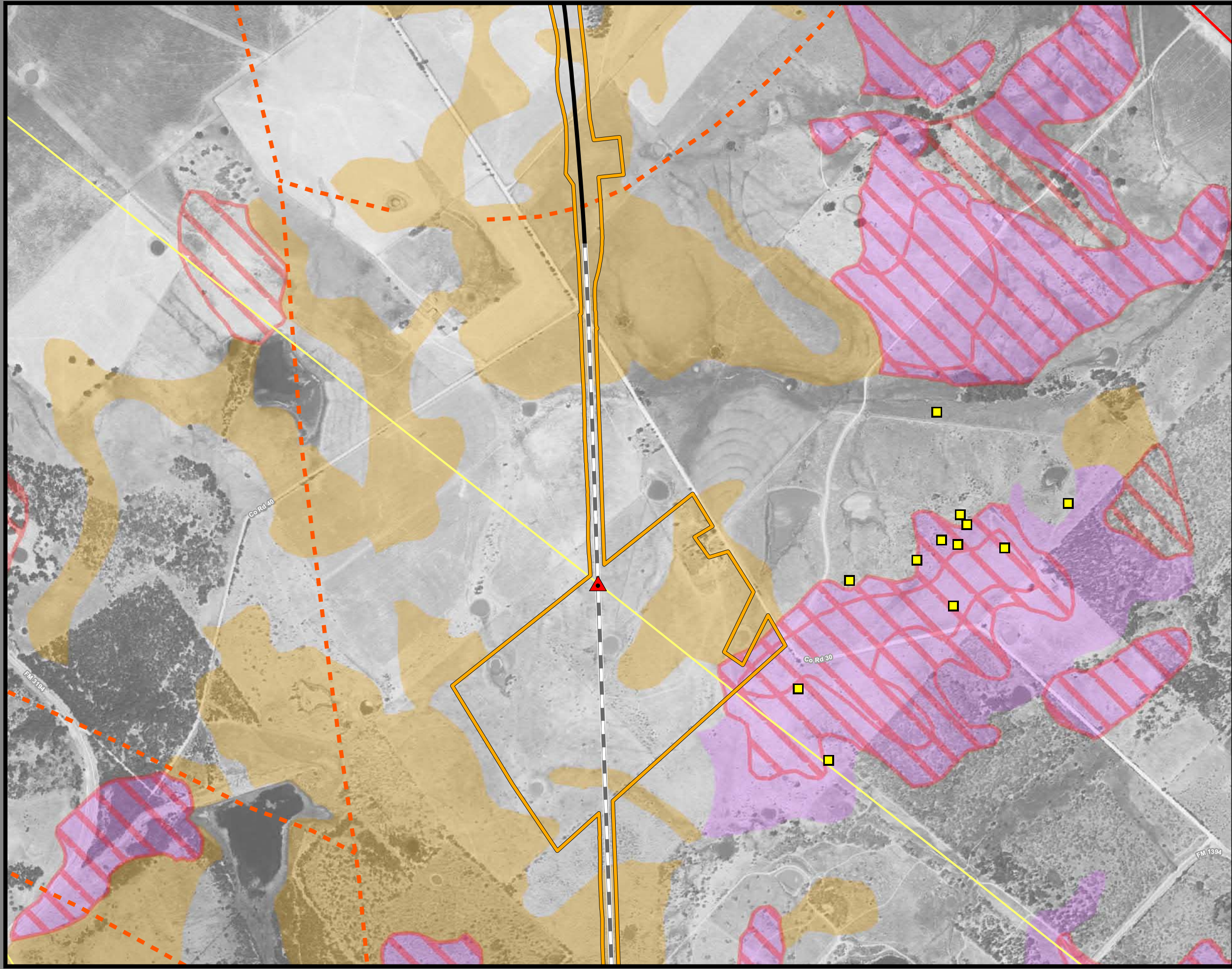
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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





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

Legend

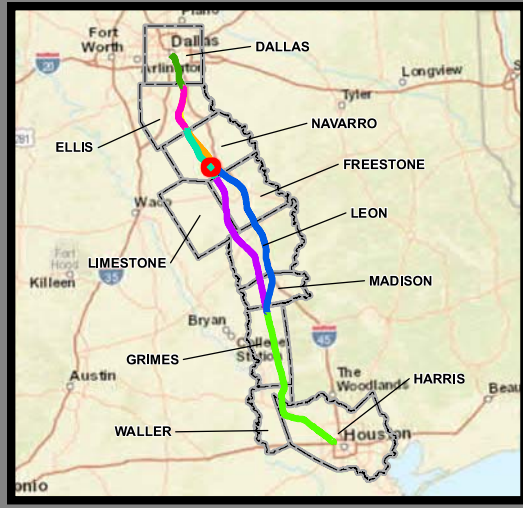
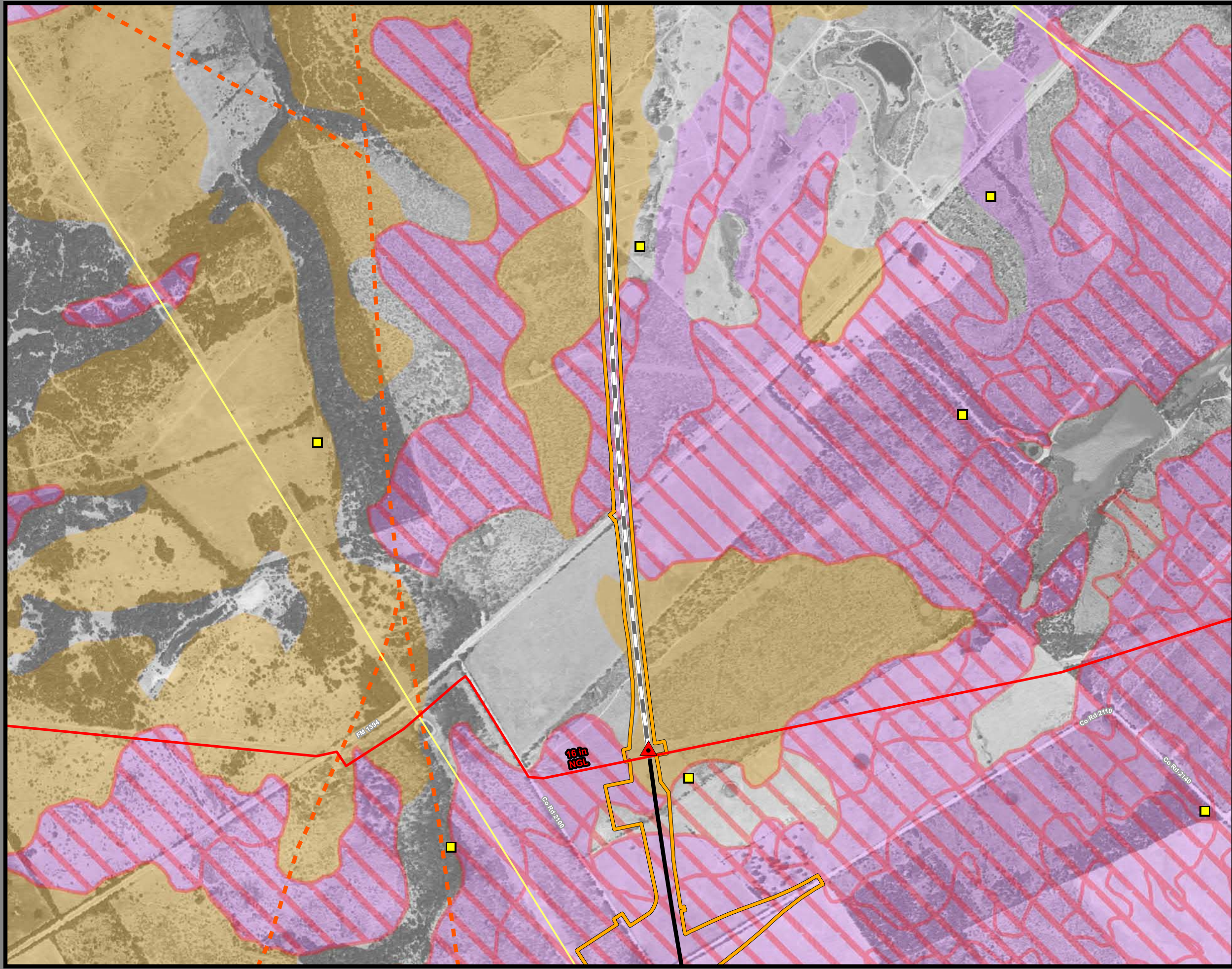
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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





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

Legend

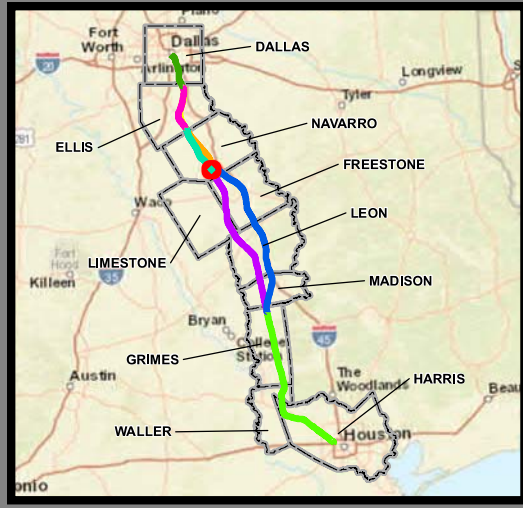
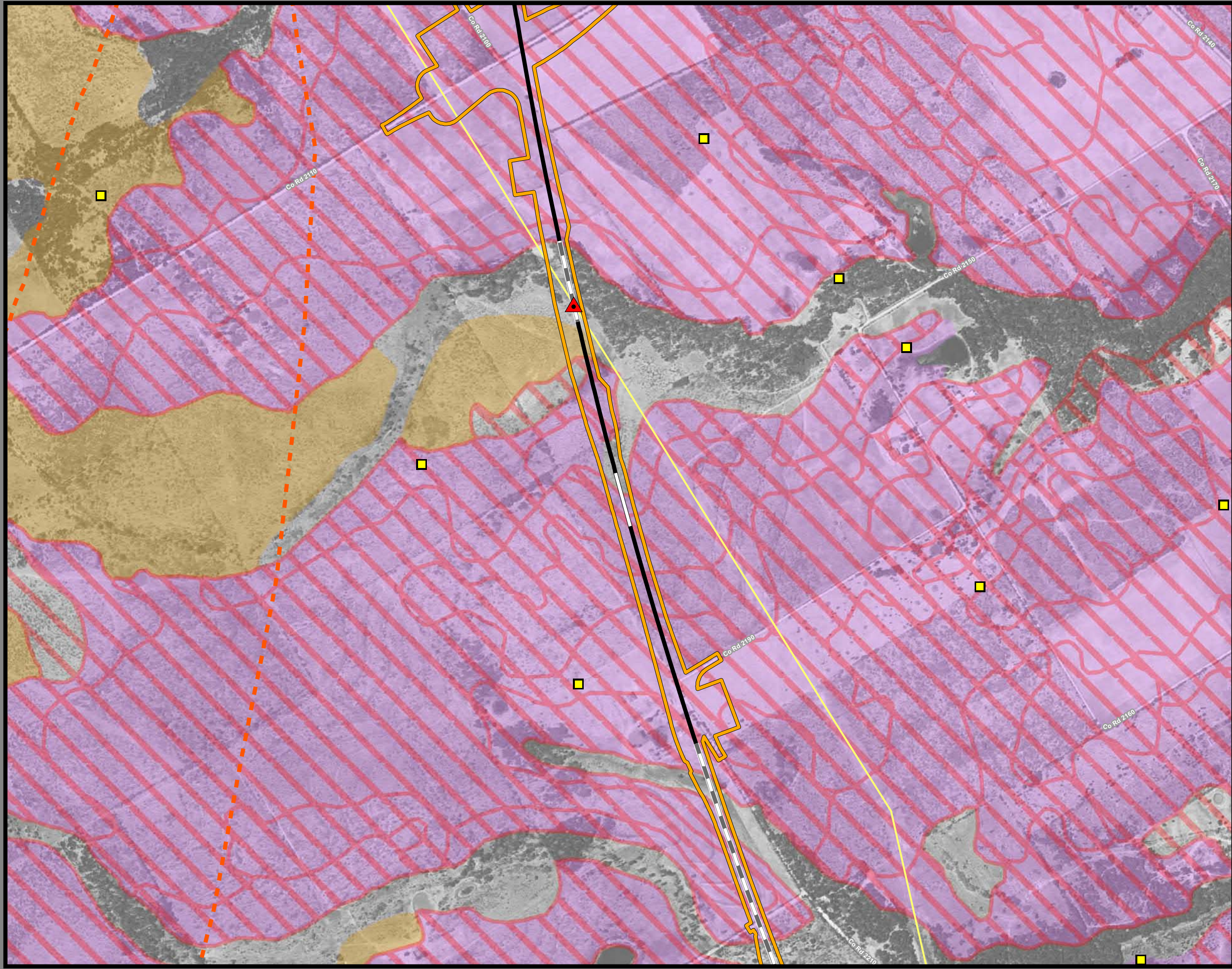
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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





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

Legend

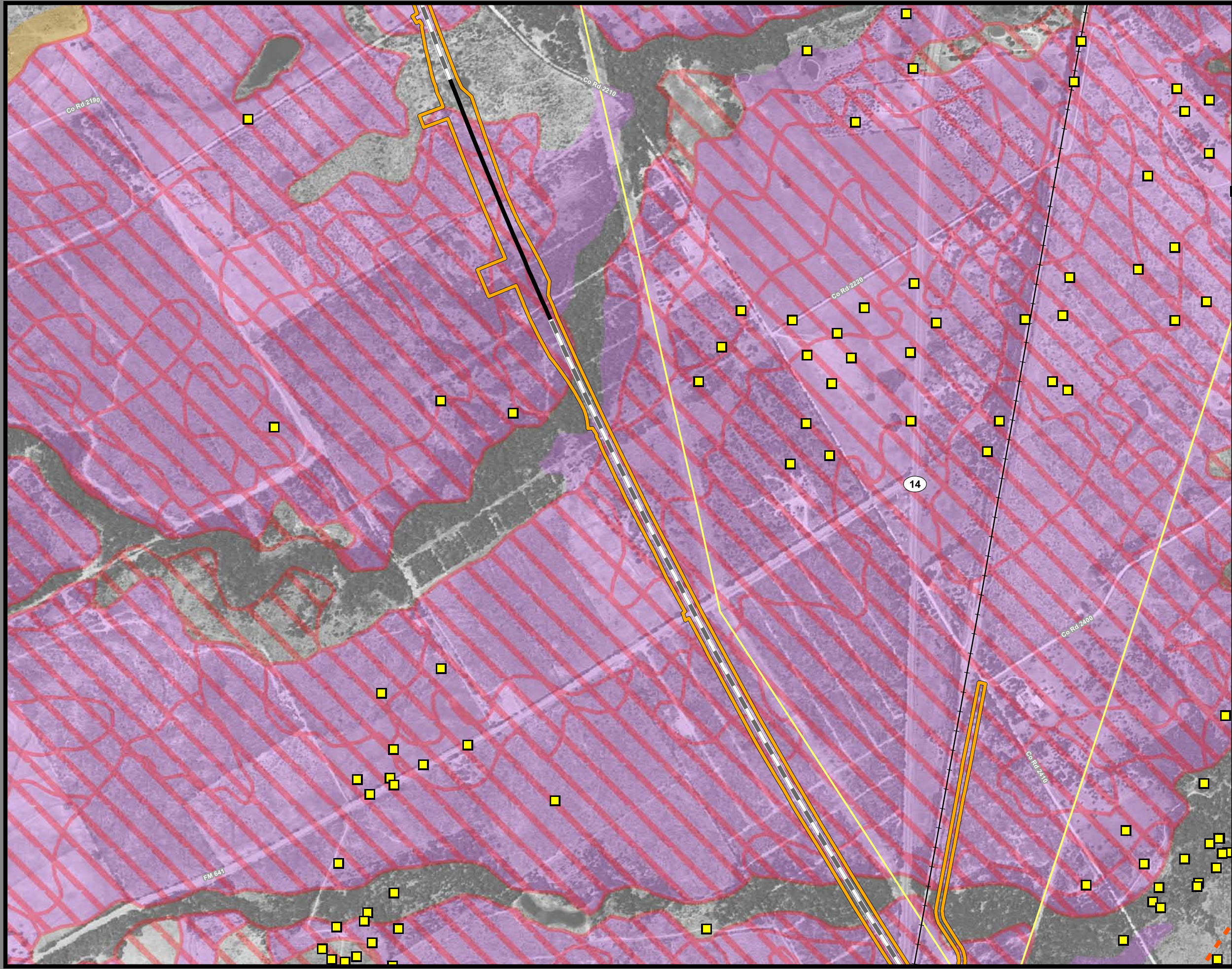
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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
Segment 3B
Sheet 78 of 257**

Legend

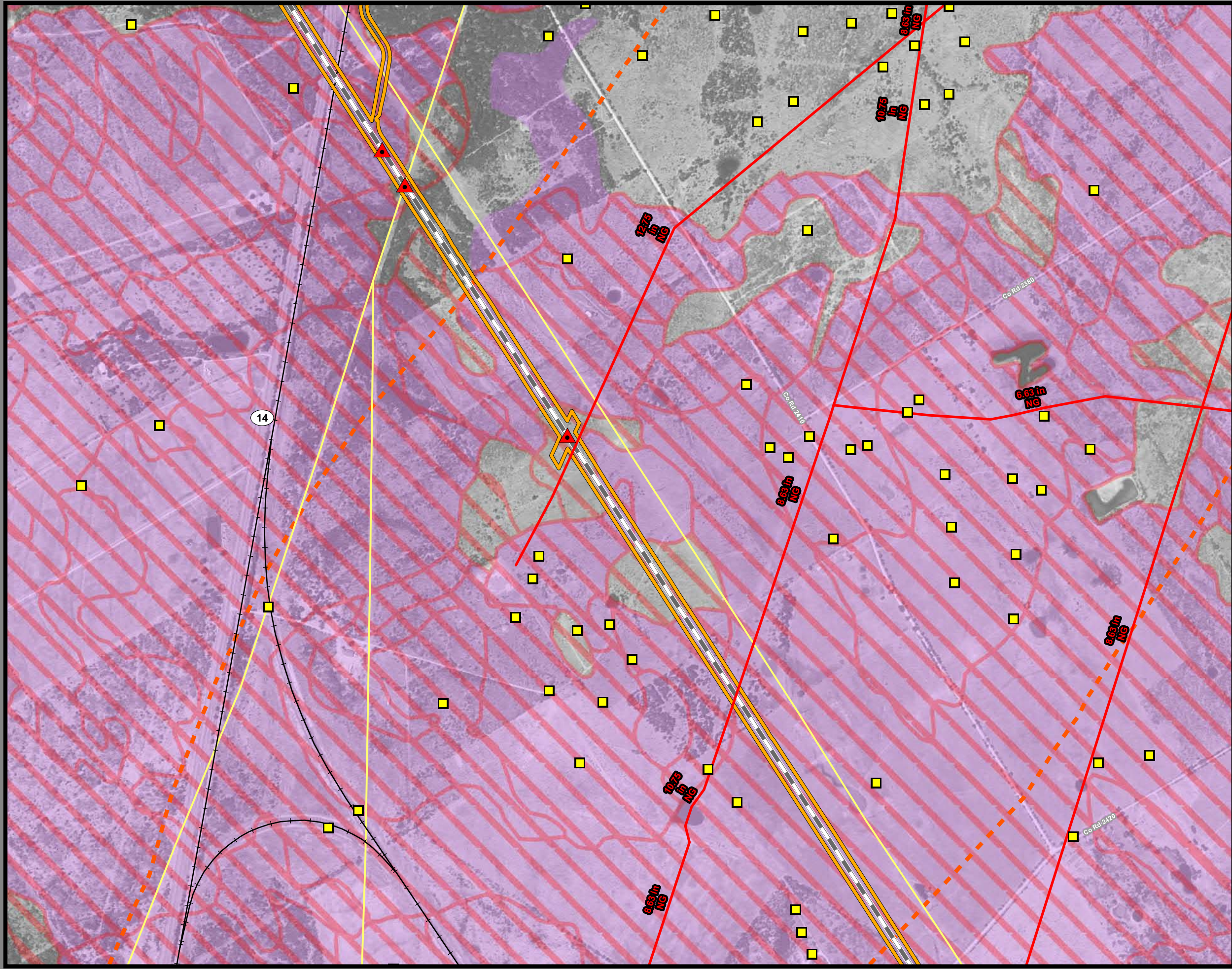
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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





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

Legend

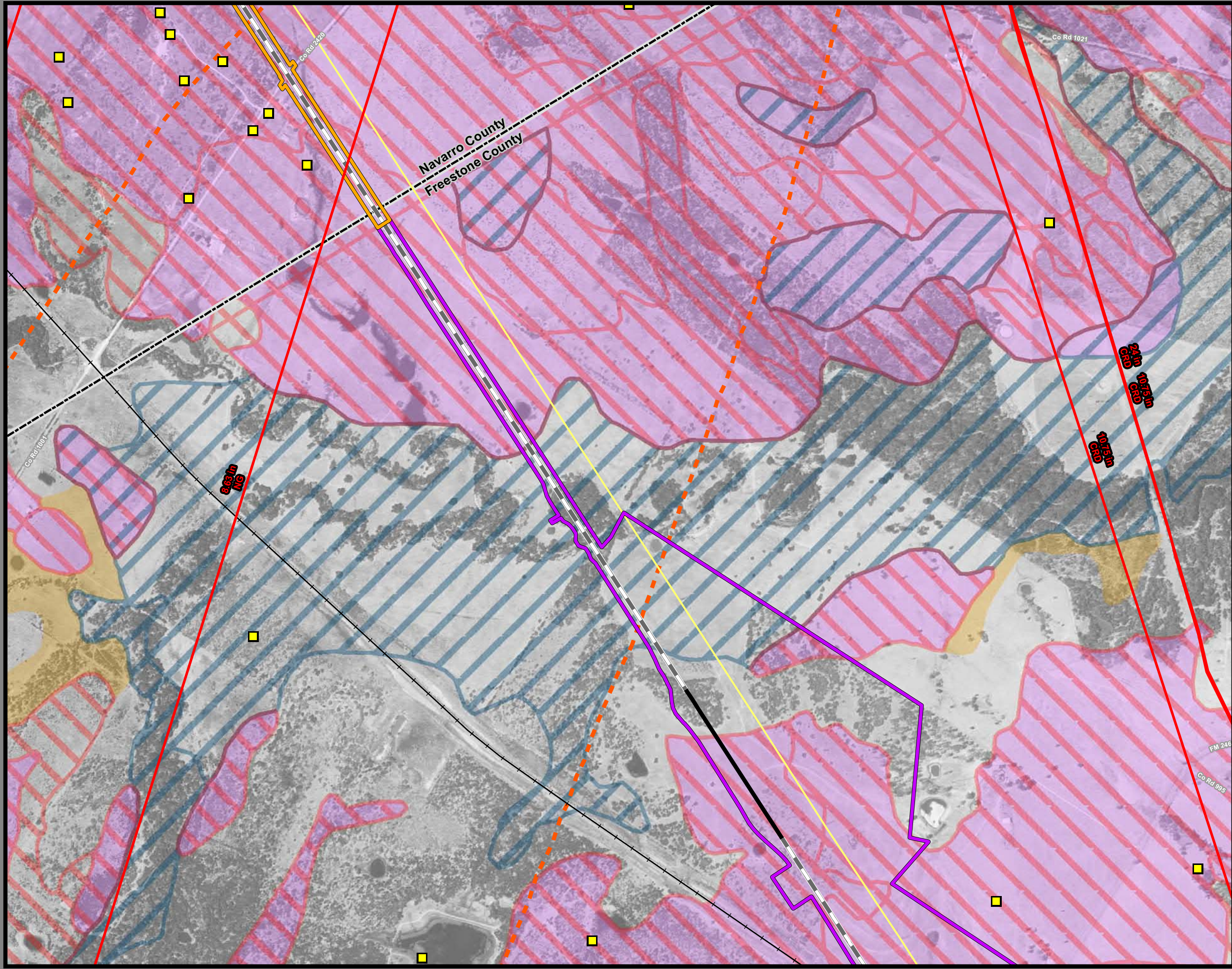
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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





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

Legend

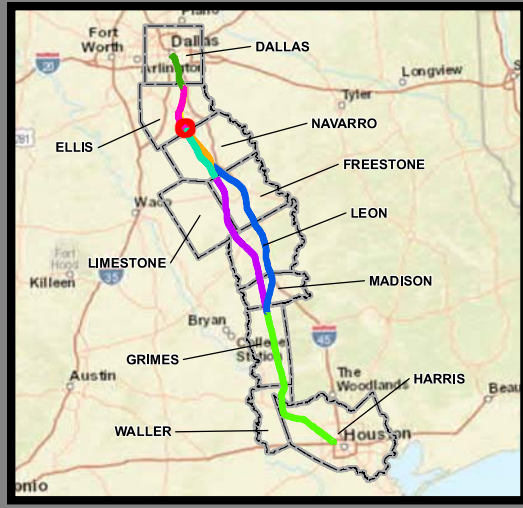
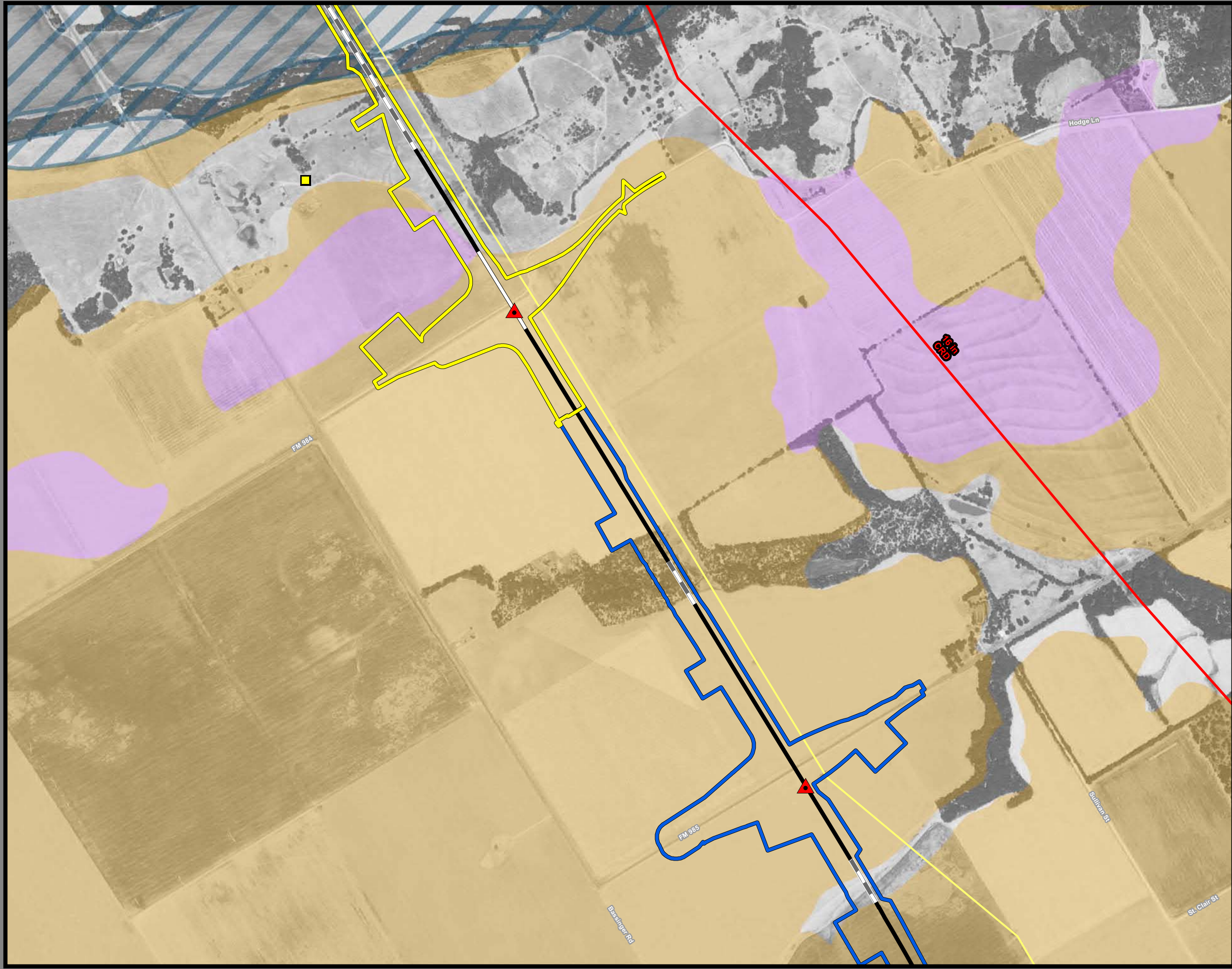
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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





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

Legend

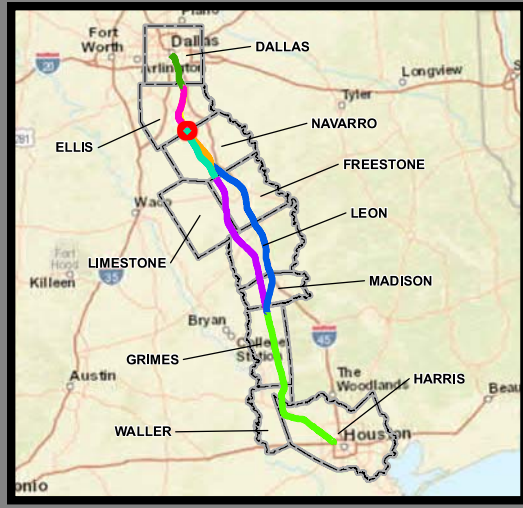
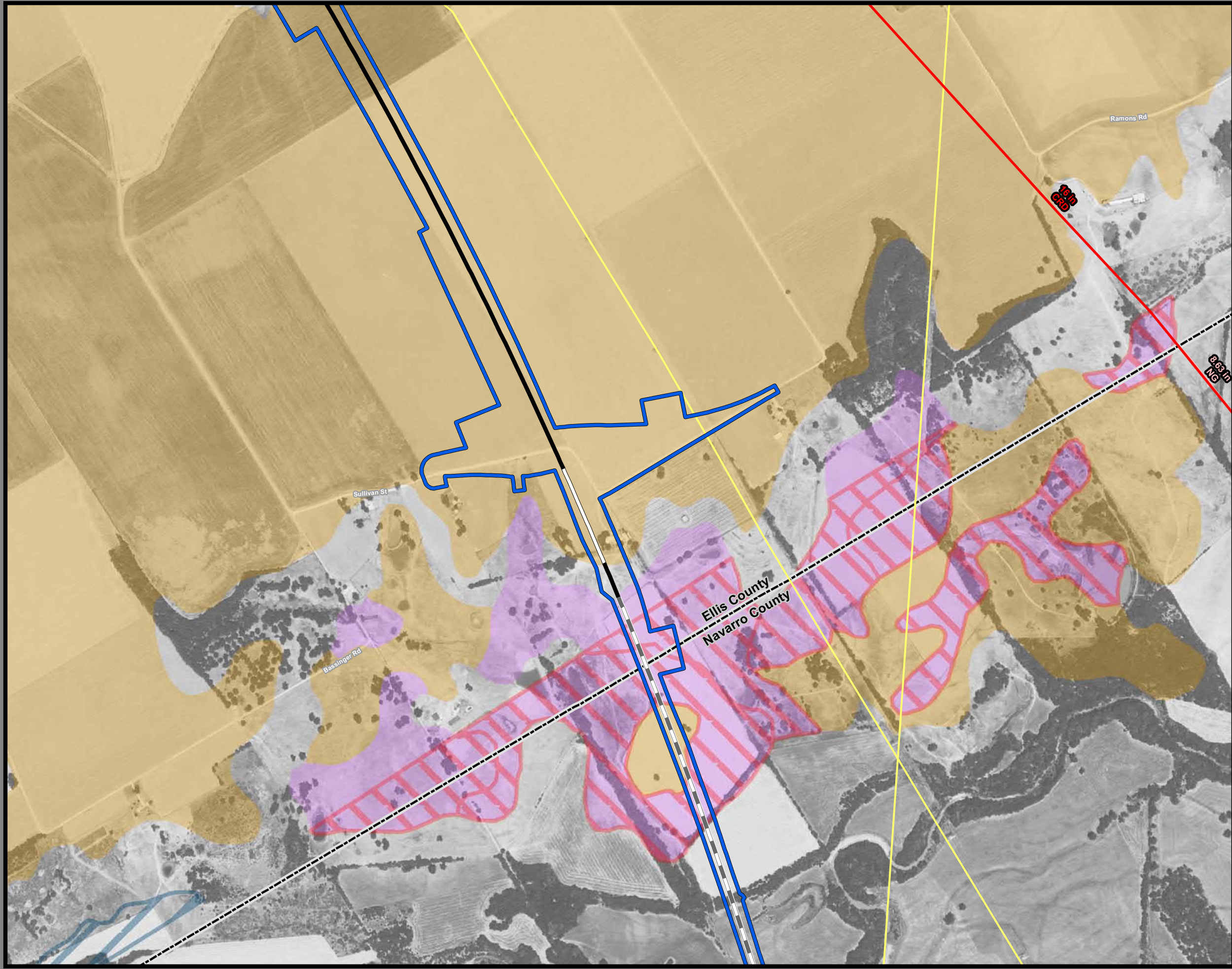
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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; 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 3C
Sheet 82 of 257**

Legend

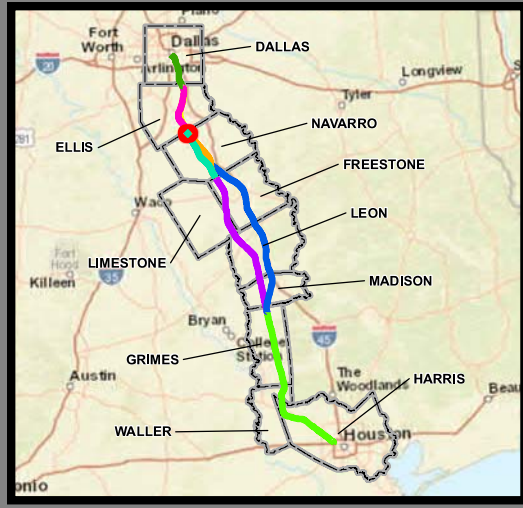
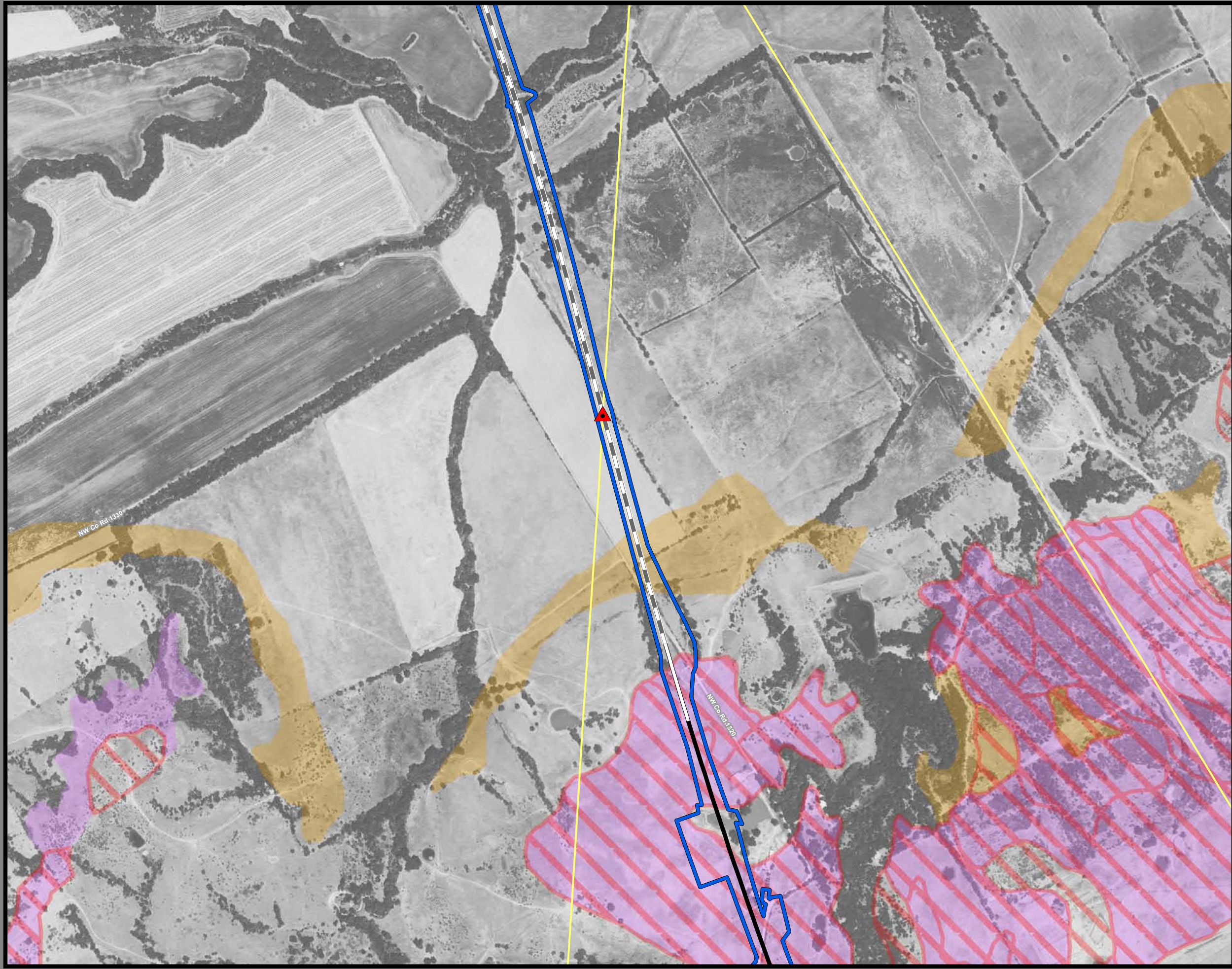
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

Legend

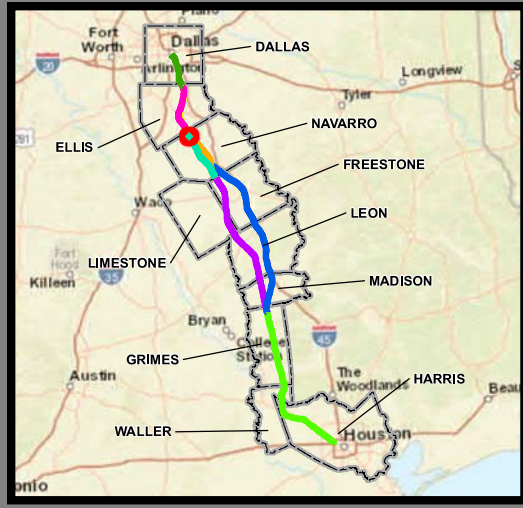
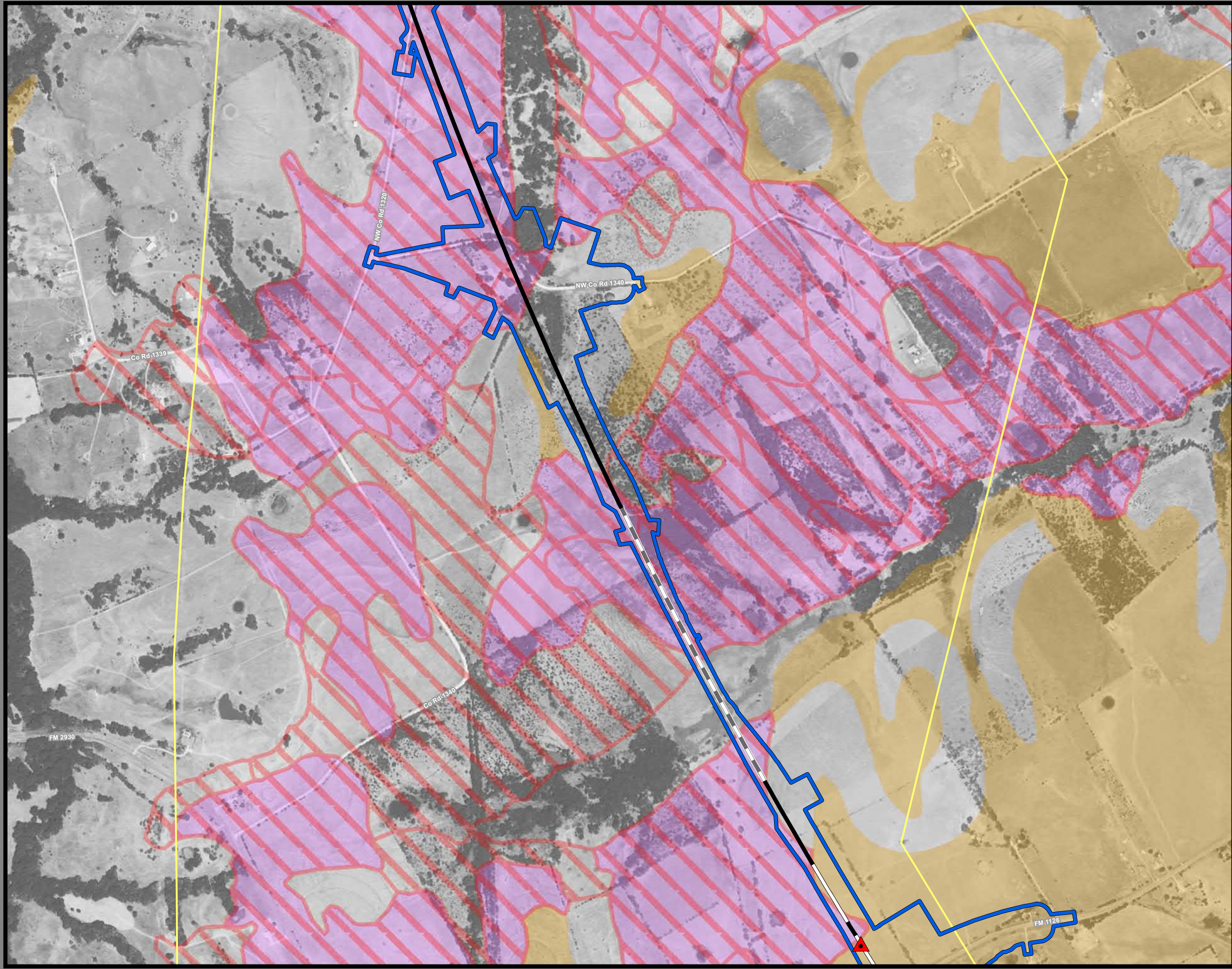
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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**

Legend

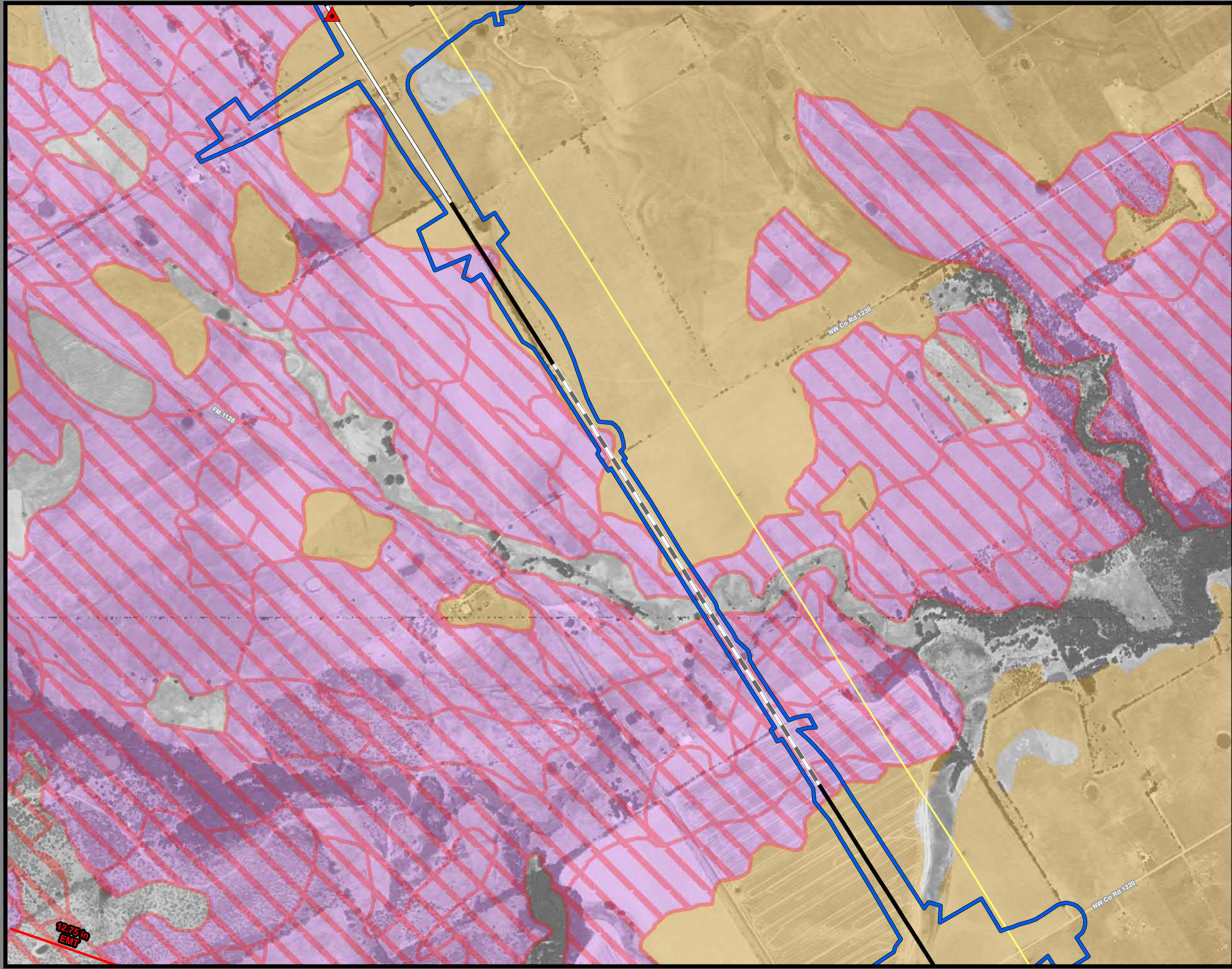
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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





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

Legend

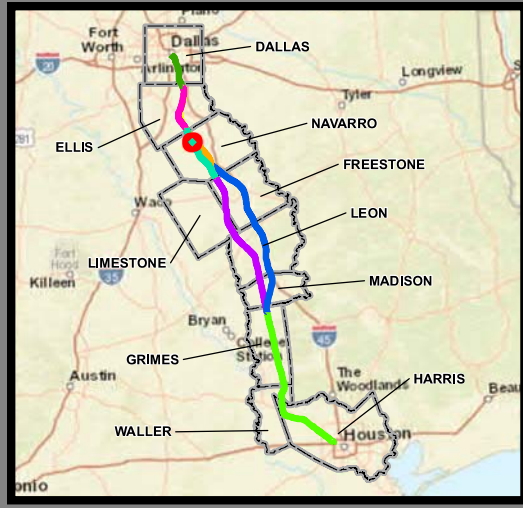
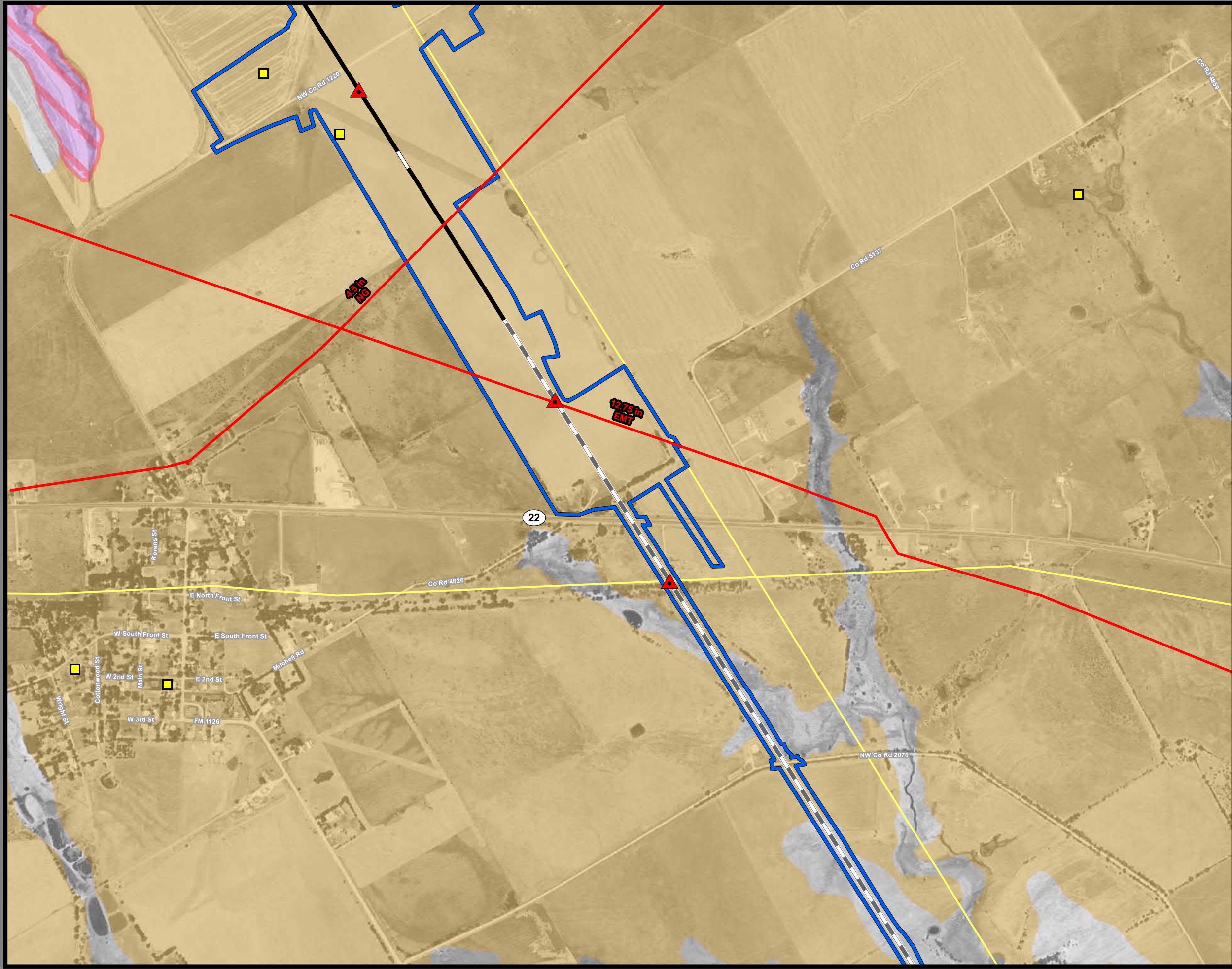
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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





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

Legend

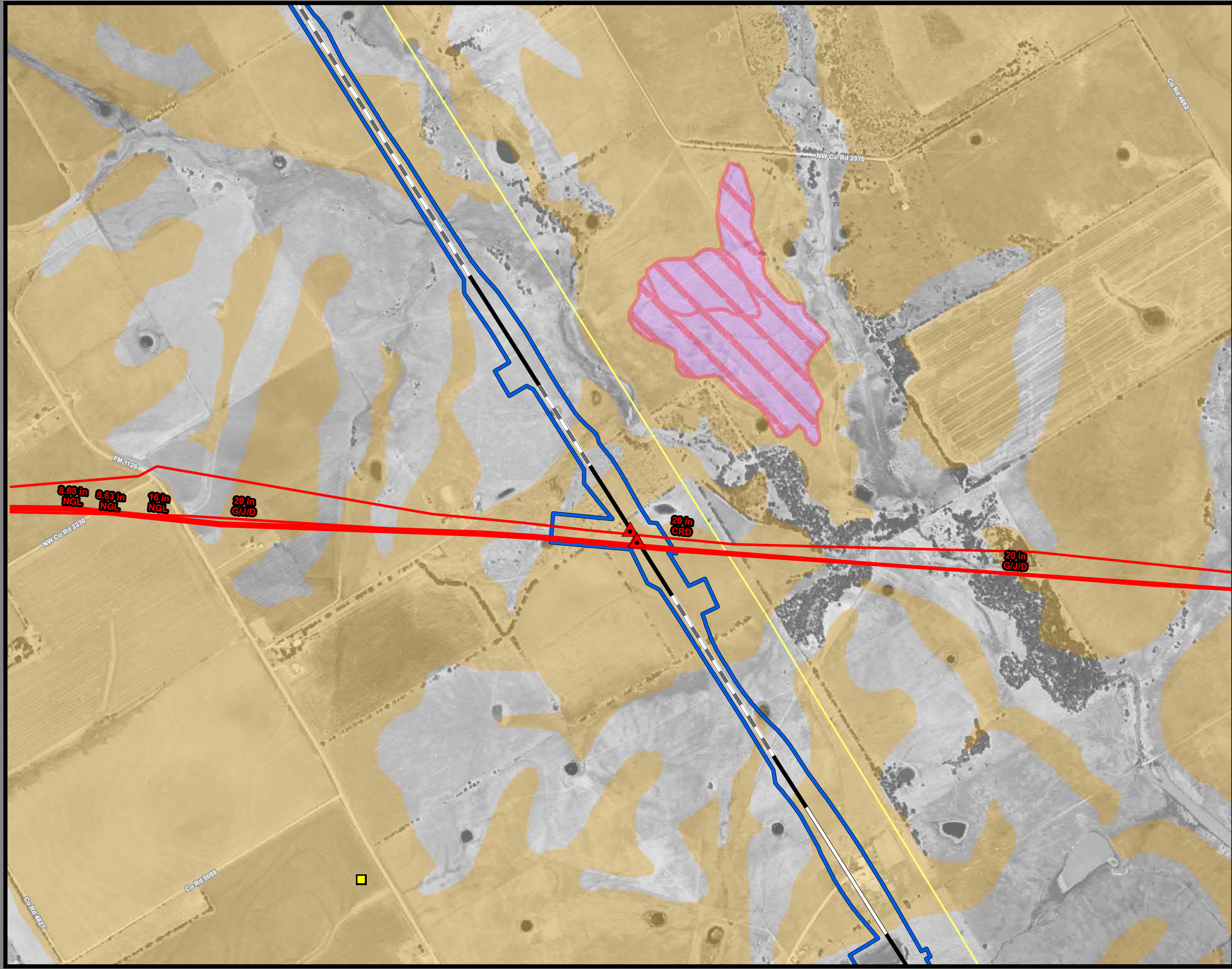
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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





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

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; R-PP - 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 3C
Sheet 88 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

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





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

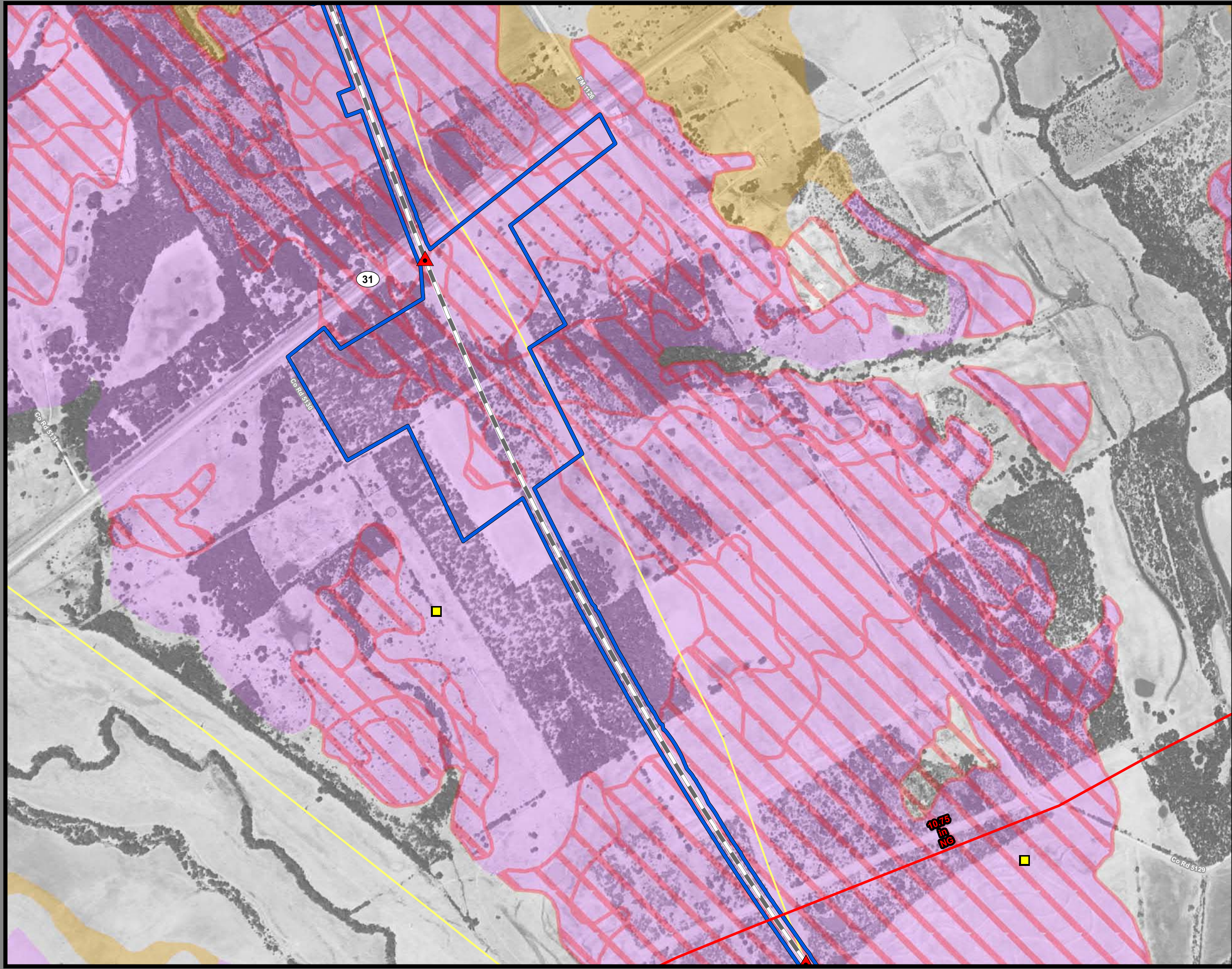
This Sheet only depicts Segment 3C; Segment 3A is also located in this same area and can be referenced on Sheet 51.

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

1 inch = 800 feet

0 200 400 800 Feet



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

Legend

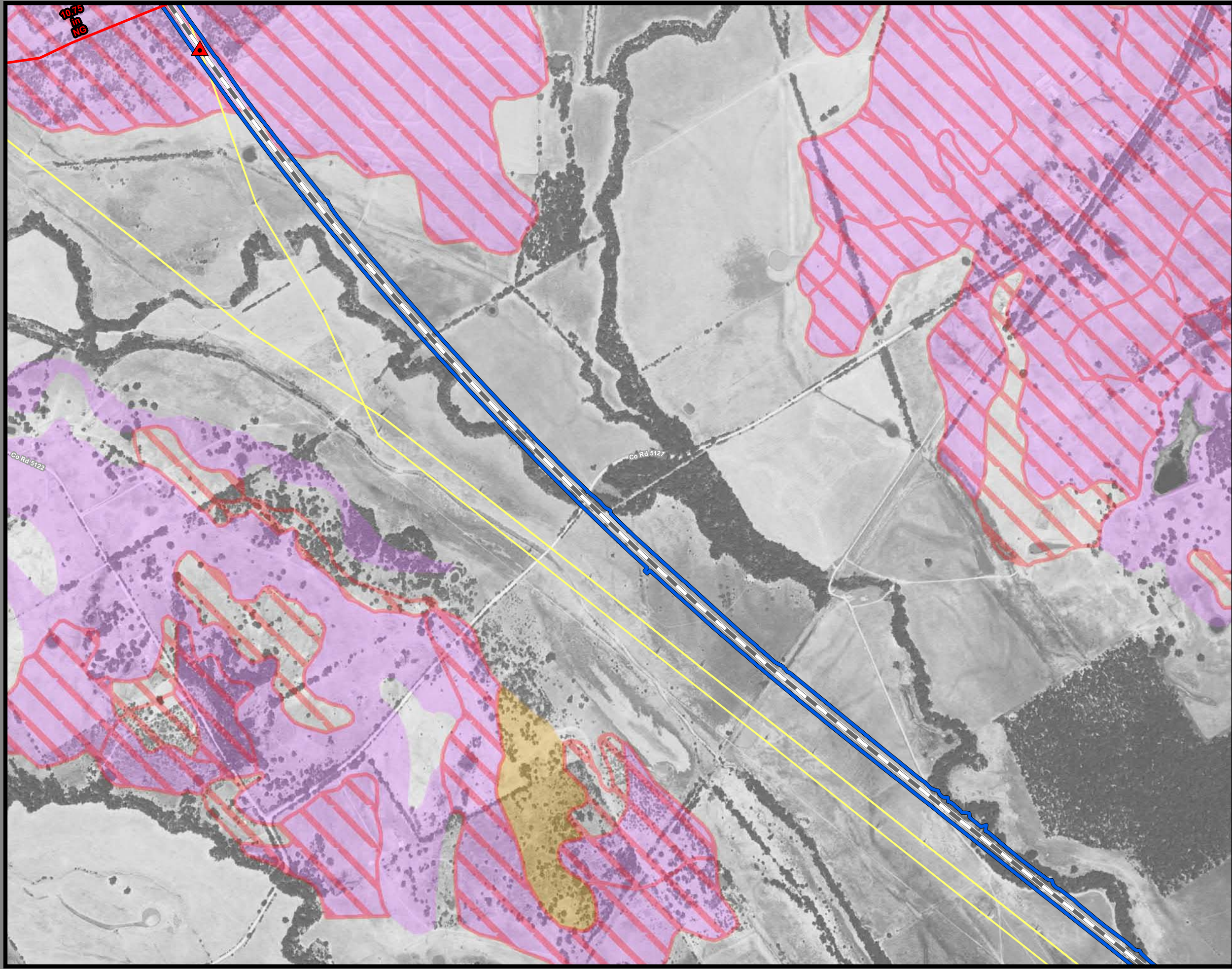
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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





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

Legend

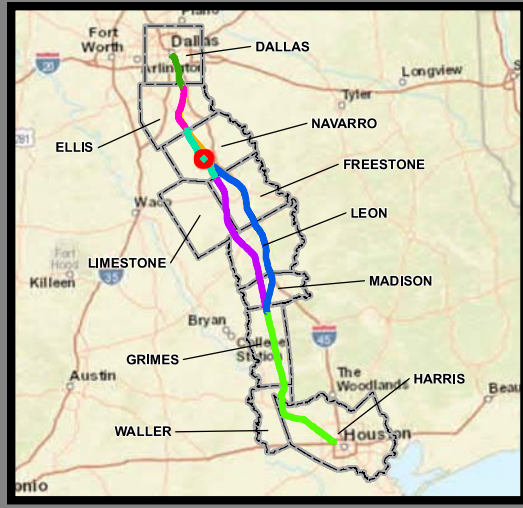
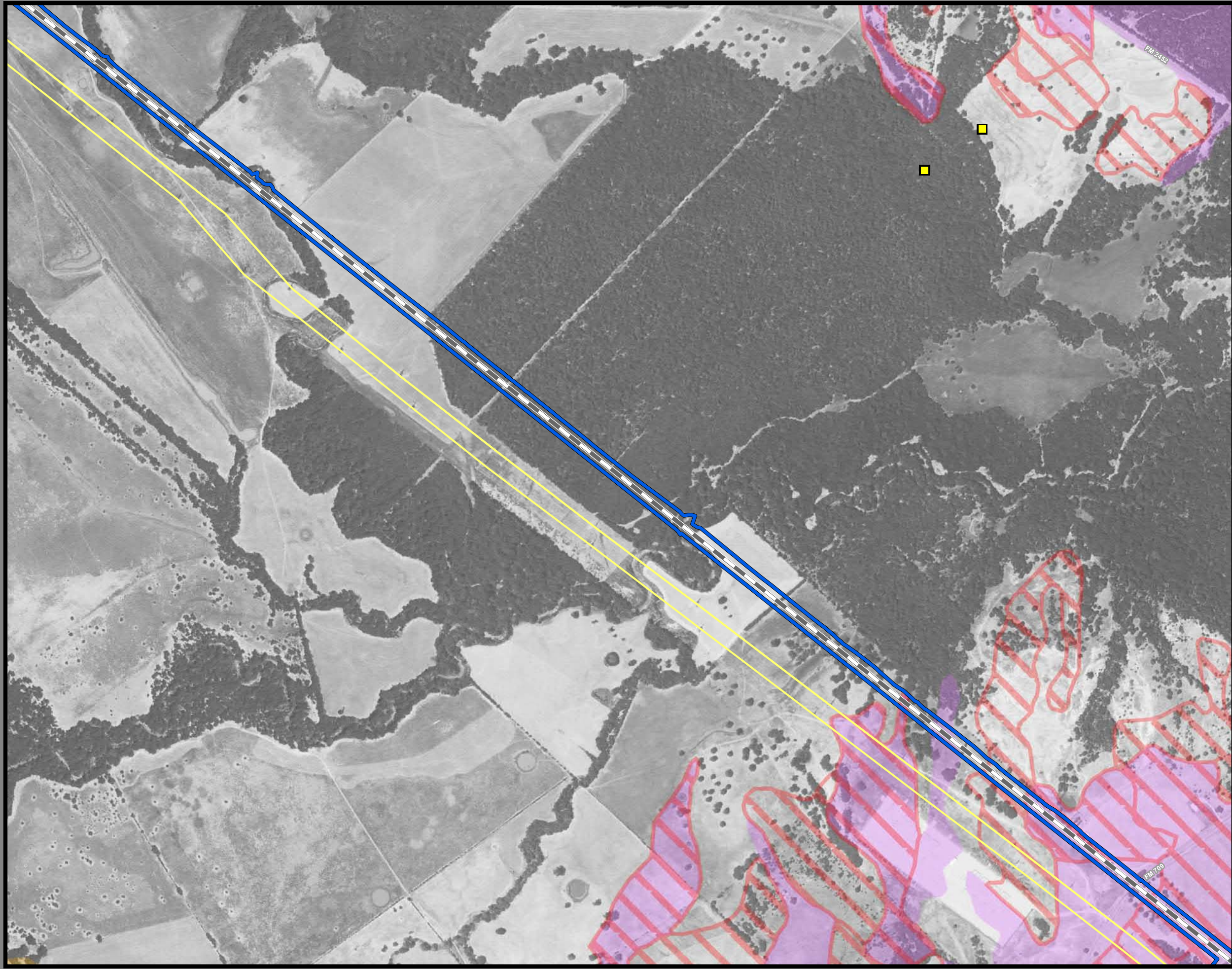
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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
Aerial Imagery: USDA NAIP 2014





**Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
Segment 3C
Sheet 92 of 257**

Legend

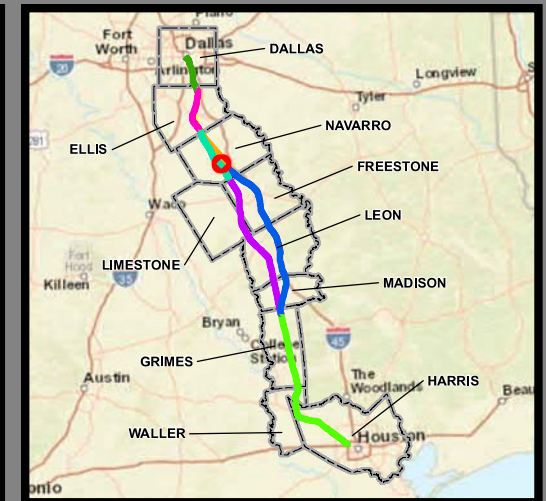
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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





Dallas to Houston
High-Speed Rail Project
Mineral and Utility Resources
 Segment 3C
Sheet 93 of 257

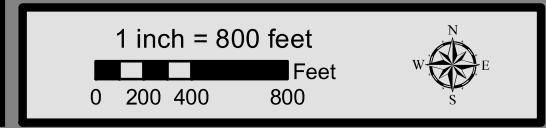
Legend

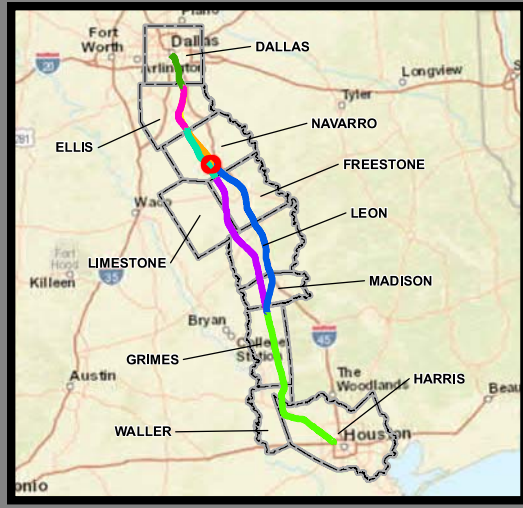
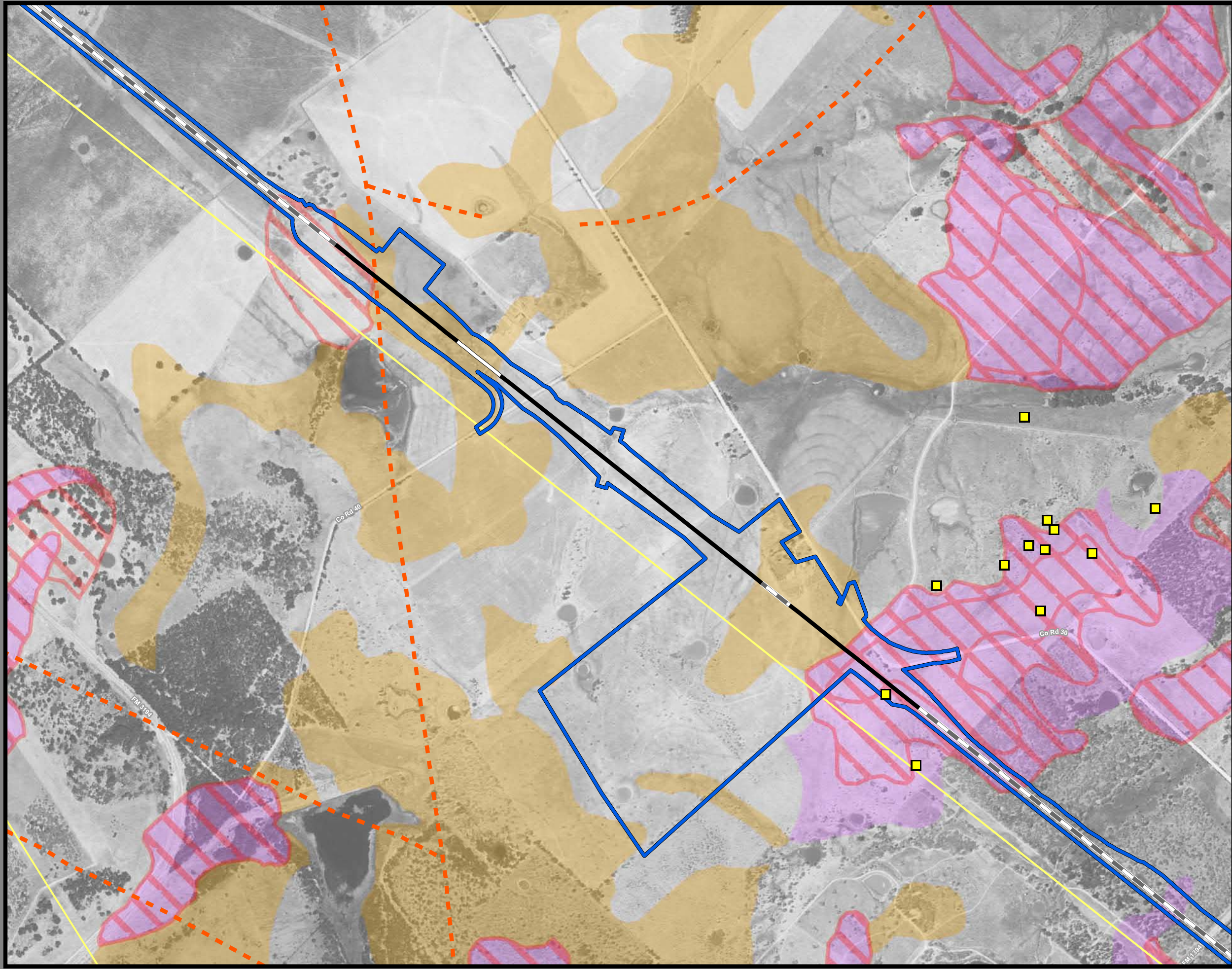
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct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

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





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

Legend

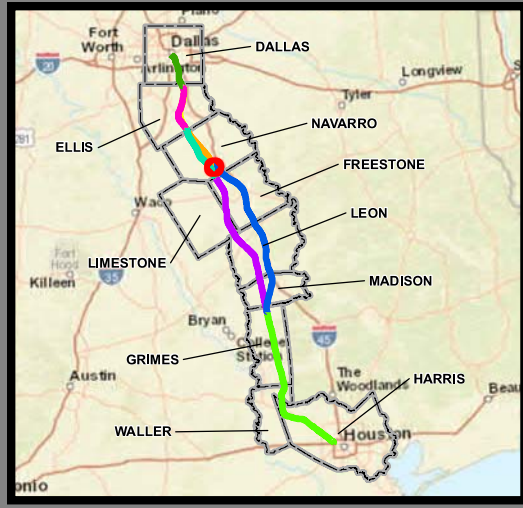
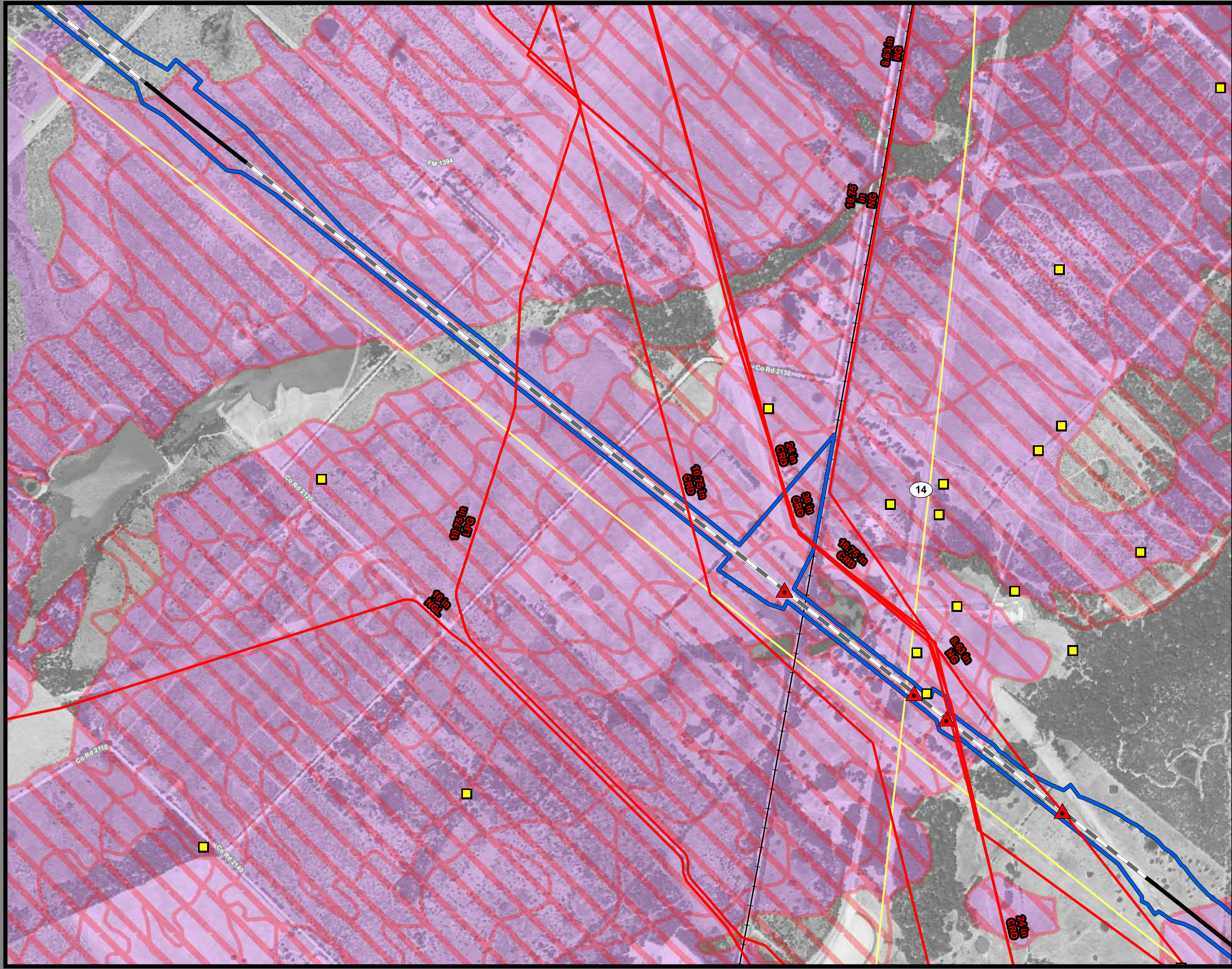
Limits of Disturbance	Utilities
Segment 1	Mine
Segment 2A	Utility Crossing
Segment 2B	Electric Transmission Line
Segment 3A	
Segment 3B	Oil/Gas Wells
Segment 3C	Vertical
Segment 4	Directional: Surface
Segment 5	Directional: Bottom
	Directional Well Lines
Track Configuration	Oil/Gas Pipelines
Viaduct	Active
Embankment	Abandoned
Cut	
County Boundary	Soils
Railroad	Highly Erodible
Faults	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 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
Segment 3C
Sheet 95 of 257**

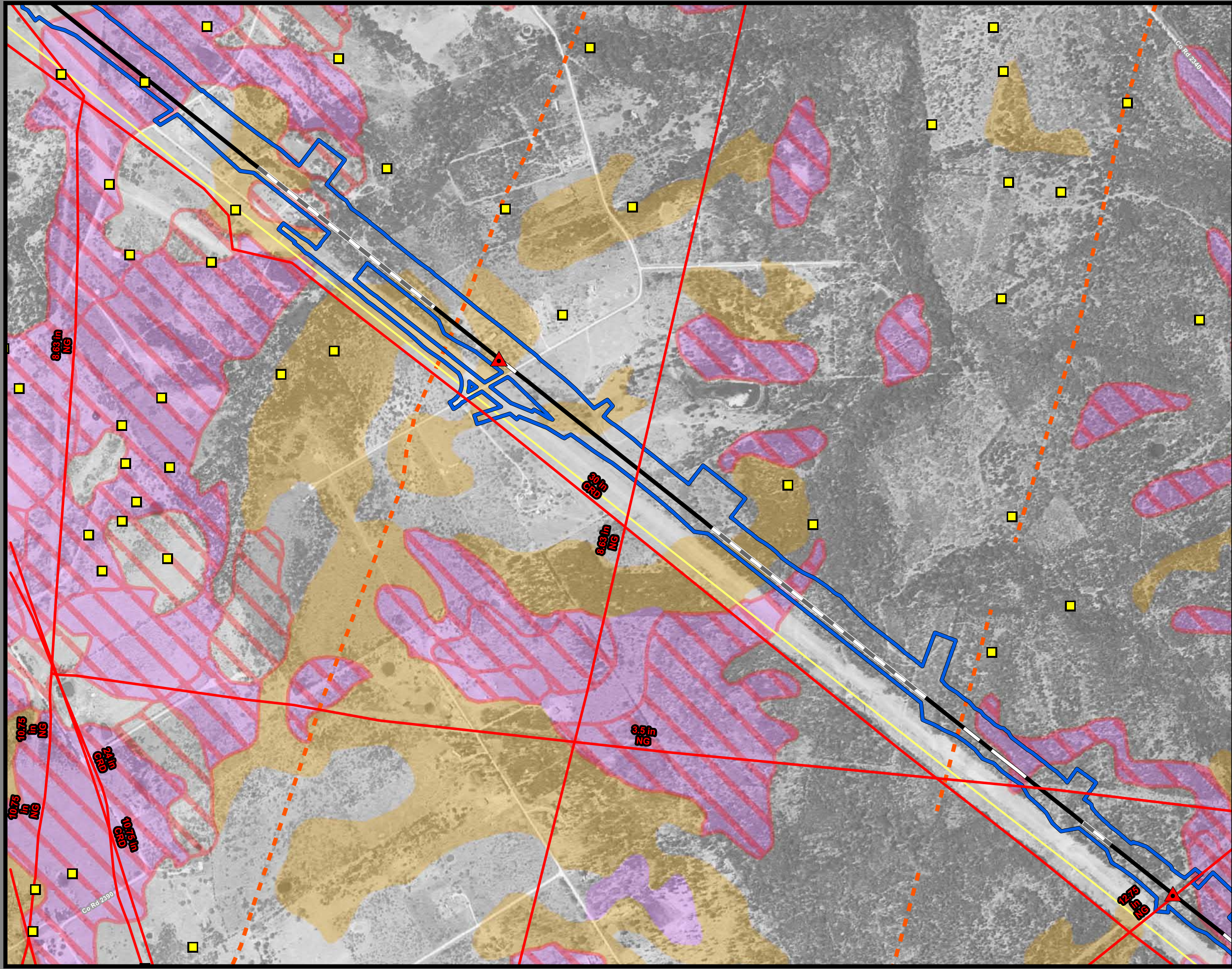
Legend

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; R-PP - 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 3C
Sheet 96 of 257**

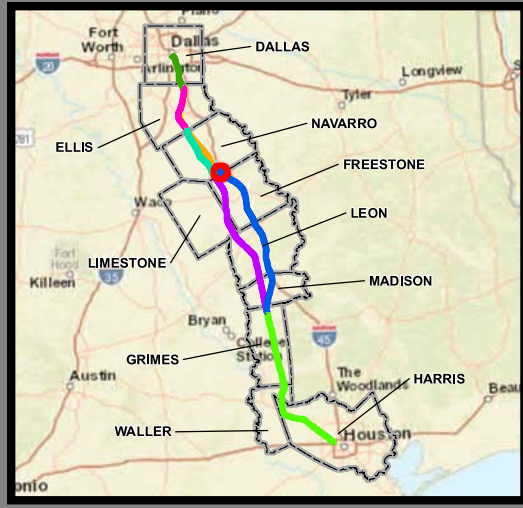
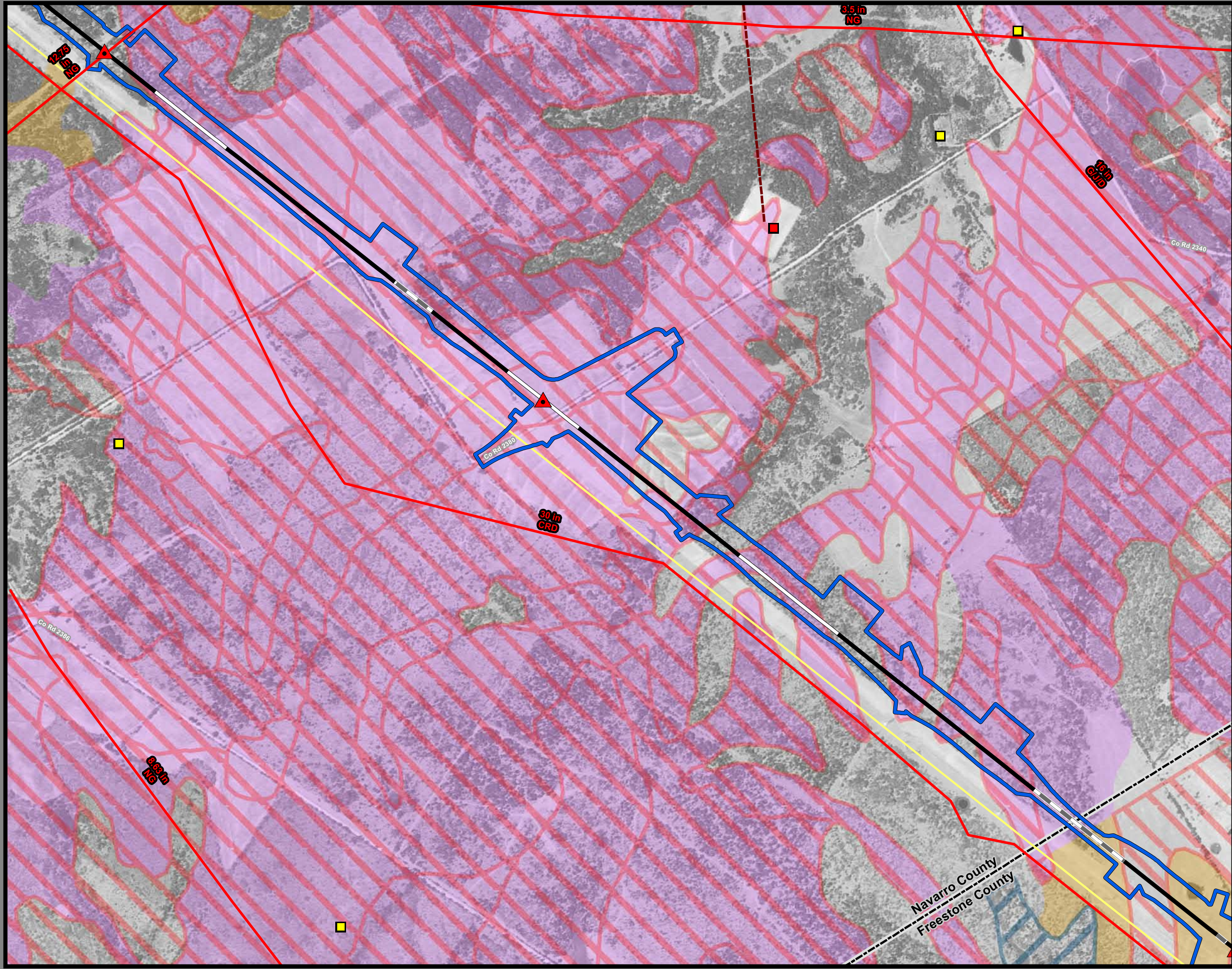
Legend

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; 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 97 of 257**

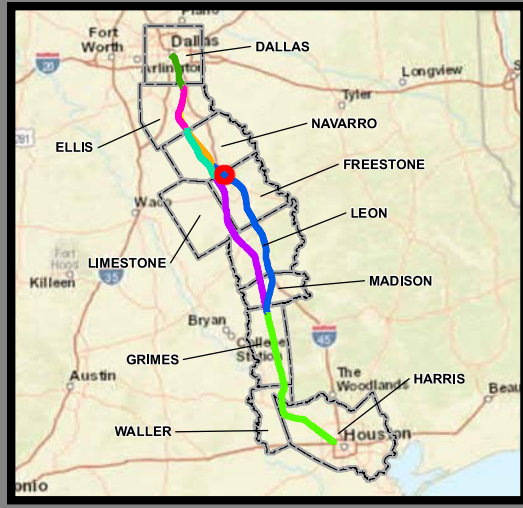
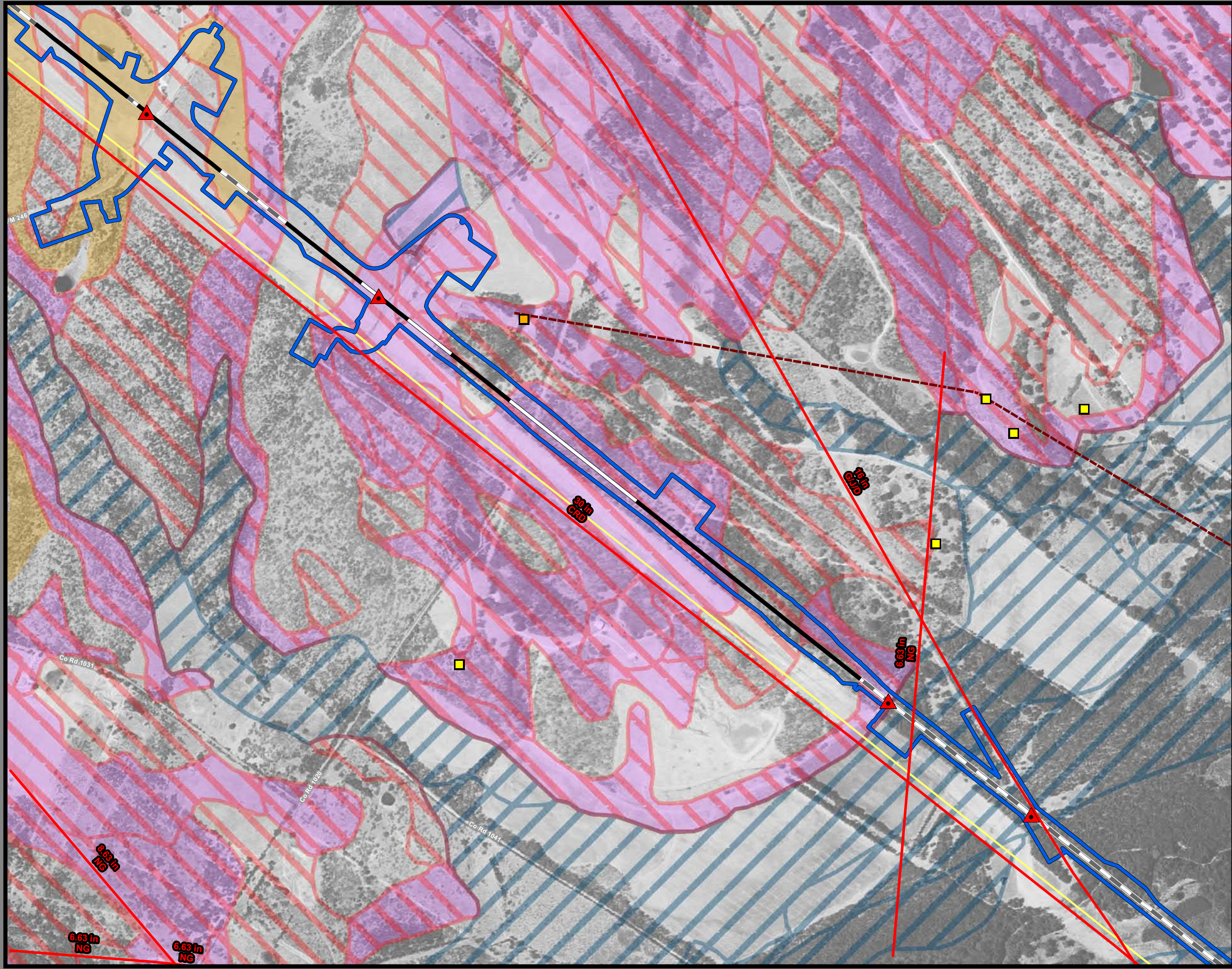
Legend

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; 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 98 of 257**

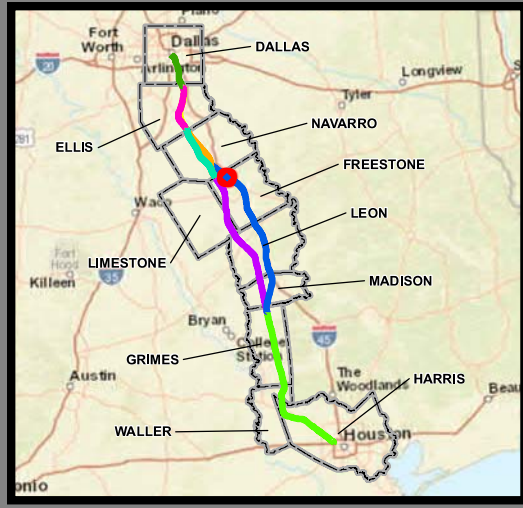
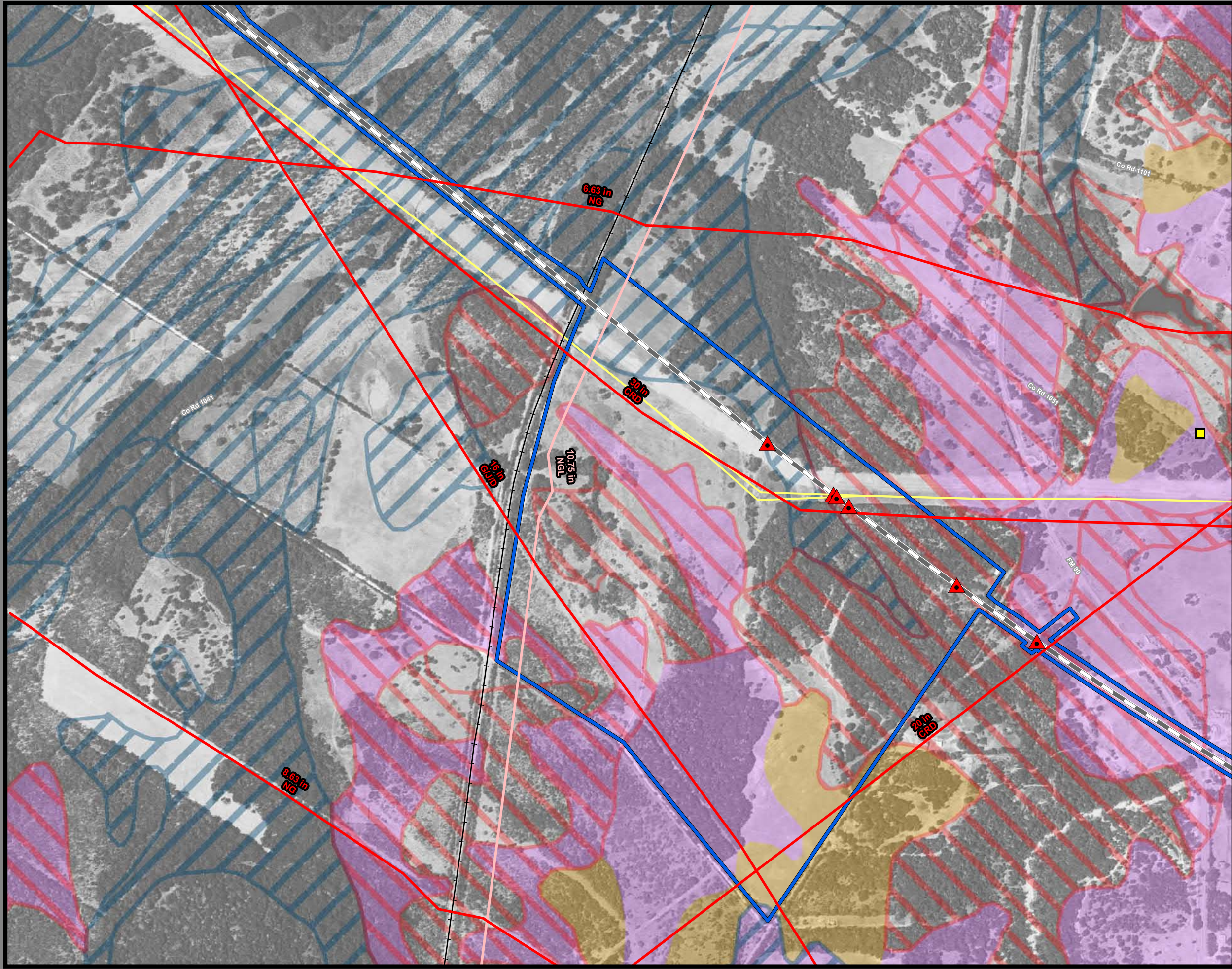
Legend

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 3C
Sheet 99 of 257**

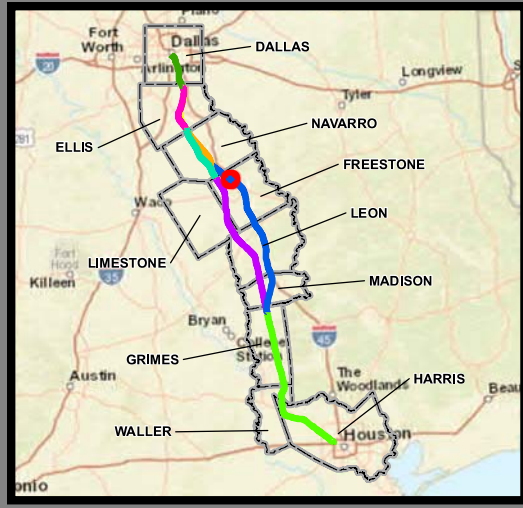
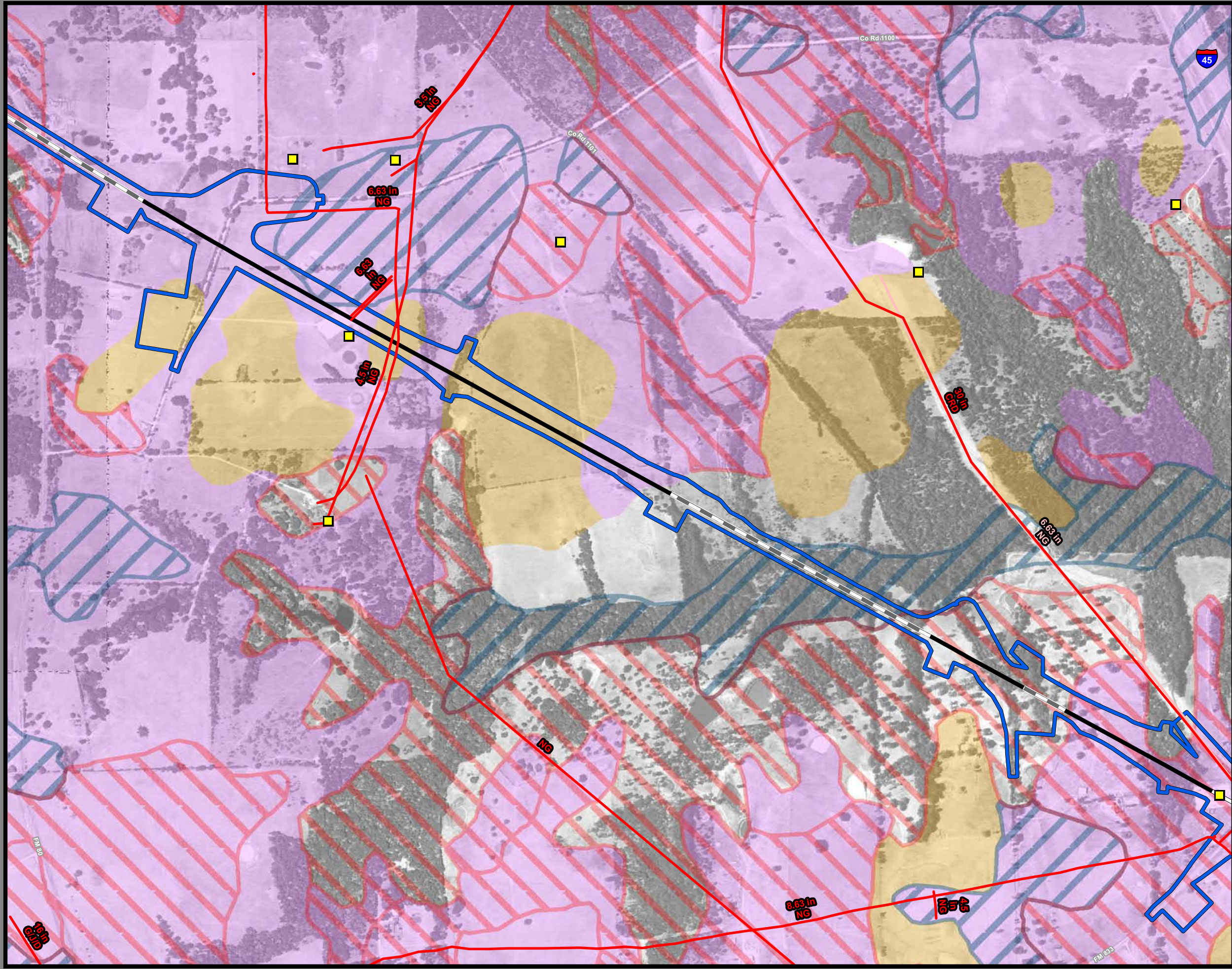
Legend

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; 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 100 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; 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

