

# **Texas Department of Agriculture**

## **Community Development Program**

### **Environmental Review Record for**

***Grantee: City of Terrell***

***Project Title/ERR Description: Terrell CDV21-0329-EA-Water***

**ERR#:** CDV21-0329

### **Prepared by:**

Cave Consulting

(214) 307-4161

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**Cave Consulting**

HUD Environmental Specialists of Texas

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# Authorization to Use Funds

**FONSI**

**COMBINED NOTICE**  
**NOTICE OF FINDING OF NO SIGNIFICANT IMPACT AND**  
**NOTICE OF INTENT TO REQUEST RELEASE OF FUNDS**

September 7, 2023

**Project Name:** Terrell CDV21-0329-EA-Water

**Responsible Entity:** City of Terrell

**State/Local Identifier:** CDV21-0329

These notices shall satisfy two separate but related procedural requirements for activities to be undertaken by the City of Terrell.

**REQUEST FOR RELEASE OF FUNDS**

On or about September 27, 2023, the City of Terrell will submit a request to the Texas Department of Agriculture for the release of Community Development Block Grant Program funds under Section 104 of Title I of the Housing and Community Development Act of 1974, as amended, to undertake a project known as Terrell CDV21-0329-EA-Water, #CDV21-0329 for an estimated cost of \$350,000.00 in HUD funds and \$556,510 in non-HUD funds.

**Description:**

**Water Loop Services:**

The City will install sections of 12" water lines connecting other 12" mains in the City. These sections will complete the water loop in critical sections of the system that are not currently connected. The City will install approximately:

- 3,150 lf of 12" water main
- 7 hydrants
- boring
- connections
- associated appurtenances

**Acquisition**

In addition, carry out all acquisition of needed real property, easements, and/or rights-of-way including acquisition of the proposed easement, in compliance with program requirements.

Professional Services including Grant Administrator and Project Engineer activities.

**LOCATION:**

All work will occur in the City of Terrell, Kaufman County, Texas in the following locations:

Water loop installation:

- Poetry Rd from Walnut St to 840 lf north of Forest Creek Ln
- Cross Country from Tanger Dr to Interstate 20

**Alternative project activities if funds allow:**

Valves on proposed Poetry and Cross Country locations; extending water lines approx 100' either direction with line installation/replacement

## FINDING OF NO SIGNIFICANT IMPACT

The City of Terrell has determined that the project will have no significant impact on the human environment. Therefore, an Environmental Impact Statement under the National Environmental Policy Act of 1969 (NEPA) is not required. Additional project information and environmental determinations are contained in the Environmental Review Record (ERR) on file at the City of Terrell, City Hall, 201 E. Nash St., Terrell, TX and may be examined or copied weekdays Monday - Friday: 8:00am - 5:00pm.

## PUBLIC COMMENTS

Any individual, group, or agency may submit written comments on the ERR to the City of Terrell, City Hall, 201 E. Nash St., Terrell, TX or [mmikeska@cityofterrell.org](mailto:mmikeska@cityofterrell.org). All comments received by September 26, 2023 will be considered by the City of Terrell prior to authorizing submission of a request for release of funds. Comments should specify which Notice they are addressing.

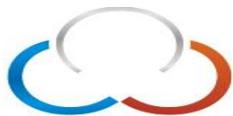
## ENVIRONMENTAL CERTIFICATION

The City of Terrell certifies to the State of Texas that Mike Sims in their capacity as City Manager consents to accept the jurisdiction of the Federal Courts if an action is brought to enforce responsibilities in relation to the environmental review process and that these responsibilities have been satisfied. The State's approval of the certification satisfies its responsibilities under NEPA and related laws and authorities and allows the City of Terrell to use Program funds.

## OBJECTIONS TO RELEASE OF FUNDS

The State will accept objections to its release of funds and the City of Terrell's certification for a period of fifteen days following the anticipated submission date or its actual receipt of the request (whichever is later) only if they are on one of the following bases: (a) the certification was not executed by the Certifying Officer of the City of Terrell (b) the City of Terrell has omitted a step or failed to make a decision or finding required by HUD regulations at 24 CFR part 58; (c) the grant recipient or other participants in the development process have committed funds, incurred costs or undertaken activities not authorized by 24 CFR Part 58 before approval of a release of funds by the State; or (d) another Federal agency acting pursuant to 40 CFR Part 1504 has submitted a written finding that the project is unsatisfactory from the standpoint of environmental quality. Objections must be prepared and submitted in accordance with the required procedures (24 CFR Part 58, Sec. 58.76) and shall be addressed to Texas Department of Agriculture at [CDBG\\_EnvReview@TexasAgriculture.gov](mailto:CDBG_EnvReview@TexasAgriculture.gov) or PO Box 12847, Austin, Texas 78711. Potential objectors should contact the State to verify the actual last day of the objection period.

Mike Sims, City Manager



Todd Cave <todd@caveconsulting.com>

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## Terrell CDV21-0329-EA-Water

1 message

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**Todd Cave** <todd@texasenvironmentals.com>  
To: houston.robert@epa.gov

Wed, Aug 23, 2023 at 2:21 PM

Robert,

Attached is the FONSI which will be posted for the above project.

Please let me know if you have any questions.

Thanks,

Todd Cave, President  
(214) 307-4161  
[texasenvironmentals.com](http://texasenvironmentals.com)



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 **Terrell CDV21-0329-EA-Water -fonsi - Google Docs.pdf**  
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# Checklists

# Environmental Review Checklist

## Basic Information

Level of Review \*

Exempt Level of Review

Categorically Excluded (b), Not Subject to 58.5

Categorically Excluded (a), Subject to 58.5

Environmental Assessment

Determine If Proposal is in a Floodplain or Wetland \*

located in floodplain or wetlands

not located in floodplain or wetlands

Determine if a Tiered Environmental Review will be completed \*

No, the project site(s) are known and a standard environmental review will be completed prior to receiving an Authority to Use Grant Funds clearance.

Yes, a tiered environmental review is appropriate because project site(s) have not yet been selected - the broad-level review is addressed below.

Project Site photos \*

Terrell Pics all.pdf

Other supporting documentation (optional)

Note: please refer to TxCDBG Implementation Manual Chapter 3 or 24 CFR 58 for the full text of activities subject to each level of review.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps required? *	Are mitigation steps required? *	Description of Source Documentation *	Compliance determinations *	Description of Mitigation Measures *
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## Section A (24 CFR §58.6)

Airport Hazards 24 CFR part 51 Subpart D	No	No	<p>According to Google Maps and a Military Bases Map the project is within 2,500 feet of a civilian airport or within 15,000 feet of a military airport.</p> <p>However, according to Google Maps, the project are is not within a RPZ.</p>	<p>Review is in compliance with 24 CFR Part 51 Subpart D. (see Airport Hazards)</p>	none
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	No	No	<p>According to the GLO Coastal Barrier Map, the project is not located in a coastal barrier area.</p>	<p>Review is in compliance with the Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]. (See Coastal Barriers)</p>	none

<b>Flood Insurance</b>  Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	No	No	<p>According to FEMA floodplain map 48257C0185D eff. 7/3/2012 and 48257C0070D eff. 7/3/2012 the entire project will occur within Zone X (area of minimal flooding).</p> <p>According to the FEMA Community Status Book Report, the City of Terrell is participating in the National Flood Insurance Program.</p>	<p>Review is in compliance with the Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a].</p> <p>(See Flood Insurance and Floodplain Management)</p>	none
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## Section B (24 CFR §58.5)

<b>Clean Air</b>  Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	No	No	<p>According to the EPA Texas County Nonattainment/Maintenance Status, Kaufman County is considered a Non-Attainment area for 8-hour ozone.</p> <p>However, the project conforms to the Finding on Air Quality General Conformity Review Summary Projects which was issued on 9/23/21.</p>	<p>Review is in compliance with the Clean Air Act, as amended, particularly section 176(c) &amp; (d); 40 CFR Parts 6, 51, 93. (See Clean Air)</p>	none
<b>Coastal Zone Management</b>  Coastal Zone Management Act, sections 307(c) & (d)	No	No	<p>According to the GLO, the project is not located in a Coastal Zone and will not require consistency review.</p>	<p>Review is in compliance with the Coastal Zone Management Act, sections 307(c) &amp; (d). (See Coastal Zone Management)</p>	none

			<p><i>would restrict the intended uses of the property or to the occupants were identified:</i></p> <p><i>State Databases: Industrial and Hazardous Waste (IHW); Petroleum Storage Tanks (PST); Leaking Petroleum Storage Tanks (LPST); Brownfield Site Assessments (BSA); State superfund (SF); Municipal Solid Waste Landfill Sites (MSWLF); and Radioactive Materials Superfund Voluntary Cleanup Closed and Abandoned Landfill Inventory (County).</i></p> <p><i>Federal (NEPAssist Databases): National Priorities List (NPL); Resource Conservation and Recovery Act – Corrective Action (RCRAC); Resource Conservation and Recovery Act – Generator (RCRAG); Brownfield Management System (BF); Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) EPA - Cleanup Sites</i></p> <p><i>Potential Sources of Contamination:</i>  <i>Two (4) LPSTs are located within ½ mile of the project area.</i>  <i>One (1) PST is located on an adjoining property.</i></p>	<p><i>Review is in compliance with 24 CFR Part 50.3(i) &amp; 58.5(i)(2).</i>  <i>(See Contamination and Toxic Substances)</i></p>	<p><i>none</i></p>

		<p><i>The City considered the necessity to have a ASTM Phase I Environmental Soil Analysis completed and rejected the idea for the following reasons:</i></p> <p><i>The LPSTs were listed as inactive.</i></p> <p><i>There were no signs of contamination of the project area during an on-site review.</i></p> <p><i>The project will occur above the water line.</i></p> <p><i>The project does not involve a habitable structure.</i></p> <p><i>No impact from these facilities is expected.</i></p>	
		<p><i>On-site inspection, review of the TPWD County Species List and consultation with the USFWS and TPWD revealed the following:</i></p> <p><i>USFWS:</i></p> <p><i>Endangered Species:</i> There are a total of six (6) threatened, endangered or candidate species that may occur or could potentially be affected by activities in the general project area:</p> <p><i>Tricolored Bat</i> <i>Perimyotis subflavus</i> <i>Piping Plover</i> <i>(Charadrius melanodus)</i> <i>Red Knot</i> (<i>Calidris canutus rufa</i>) <i>Whooping Crane</i> (<i>Grus americana</i>) <i>Alligator Snapping Turtle</i> (<i>Macrochelys temminckii</i>) <i>Monarch Butterfly</i> <i>Danaus plexippus</i></p> <p><i>After review of the</i></p>	

<b>Endangered Species</b> Endangered Species Act of 1973, particularly section 7; 50 CFR part 402	No	<p><i>habitat requirements, it was determined that no habitat is present as all work will occur in developed areas which are frequently disturbed.</i></p> <p><i>Critical Habitat:</i>  <i>None exists in the project area.</i></p> <p><i>Wildlife Refuges and Fish Hatcheries:</i>  <i>None exist.</i></p> <p><i>Wetlands in the National Wetlands Inventory:</i>  <i>According to the USFWS wetland map and review of the project description, no portion of the project will occur within or otherwise disturb a wetland.</i></p> <p><i>Migratory Birds</i>  <i>The habitat for no migratory birds exists in the project area all work will occur in developed areas which are frequently disturbed.</i></p> <p><i>The proposed project would have “no effect” on federally listed species or critical habitat and no impact on state-listed species.</i></p>	Review is in compliance with the Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402. (See Endangered Species)	none
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<b>Explosive and Flammable Hazards</b> 24 CFR Part 51 Subpart C	No	No	<p><i>Based upon the HUD Checklist regarding Explosive and Flammable Hazards, because the proposed HUD-assisted project does not include a hazardous facility (a facility that mainly stores, handles or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries) and does not include any of the following activities: development, construction, rehabilitation that will increase residential densities, or conversion, the project is in compliance.</i></p>	<p><i>The review is in compliance with 24 CFR Part 51 Subpart C.</i>  <i>(See Explosive and Flammable Hazards)</i></p>	none
<b>Farmlands Protection</b> Farmland protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	No	No	<p><i>According to the USDA Soil Survey, the Cross Country Portion of the project will occur on areas that are considered of State Importance and Prime Farmland.</i></p> <p><i>However, according to the USDA, the project is not subject to FPPA for the following: Project on land already in urban development or used for water storage.</i></p> <p><i>Further, according to the HUD Checklist on Farmlands Protection, because the Poetry project area does not include activities that could convert agricultural land to non-agricultural land, no further action is required.</i></p>	<p><i>Review is in compliance with the Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658. (See Farmlands Protection)</i></p>	none

<b>Floodplain Management</b>  Executive Order 11988, particularly section 2(a); 24 CFR part 55	No	According to FEMA floodplain map 48257C0185D eff. 7/3/2012 and 48257C0070D eff. 7/3/2012 the entire project will occur within Zone X (area of minimal flooding).  No further action is required.	Review is in compliance with the Executive Order 11988, particularly section 2(a); 24 CFR Part 55. (See Section 17, Floodplain Management)	none
		According to the Texas Historical Commission:  Above-Ground Resources No historic properties are present or affected by the project as proposed.  Archeology Comments No historic properties affected.  According to the HUD Tribal Directory Assessment Tool, there are seven (7) tribes with an interest in the County.  Comment letters were sent out on April 10, 2023.	Above-Ground Resources If historic properties are discovered or unanticipated effects on historic properties are found, work should cease in the immediate area; work can continue where no historic properties are present. Please contact the THC's History Programs Division at 512-463-5853 to consult on further actions that may be necessary to protect historic properties.	Archeology Comments If cultural materials are encountered during construction or disturbance activities, work should cease in the immediate area; work can continue where no cultural materials are present. Please contact the THC's Archeology Division at 512-463-6096 to consult on further actions that may be necessary to protect the cultural remains.
<b>Historic Preservation</b>  National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	No	BMP  Tribal Comments: Delaware Nation: "Our office is committed to protecting tribal heritage, culture and religion with particular	Review is in compliance with the National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800. (See	Tribal Comments: Delaware Nation: Please continue with the project as planned keeping in mind during construction should human remains and/or

	<p>concern for archaeological sites potentially containing burials and associated funerary objects. According to our files, the proposed project should have no adverse effect on any known cultural or religious sites of interest to the Delaware Nation, but there is always the potential for discovery of archaeological resources in this area."</p> <p>Caddo Nation: "Upon review of the project and location I have determined that it does not affect known cultural, traditional or sacred sites of interest to the Caddo Nation. As such, the Caddo Nation has no objection to the project at this time."</p>	<p><i>Historical Preservation)</i></p>	<p>any Native American archaeological resources inadvertently be uncovered, all construction and ground disturbing activities should immediately be halted until the appropriate state agencies, as well as this office, are notified (within 24 hours), and a proper archaeological assessment can be made. If the project moves into the second phase, consultation with our office will need to be reinitiated.</p> <p>Caddo Nation: However, in the event that an inadvertent discovery of potentially relevant cultural sites, funerary objects, or human remains occurs, we request that the project be immediately halted and the proper authorities be contacted. Additionally, The Caddo Nation would need to be notified of an inadvertent discovery with 24 hours. Caddo Nation (405)656-0970 ext. 2070.</p>
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<b>Noise Abatement and Control</b>  Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	No	No	<i>According to the HUD Checklist on Noise Abatement Control, because, the project does not involve a noise sensitive use such as a residential structure, school, hospital, nursing home, library, etc., no further action required.</i>	<i>Review is in compliance with the Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B. (See Noise Abatement and Control)</i>	none
			<i>During construction, noise levels are anticipated to increase at the site which could disturb residents in the area.</i>		
<b>Sole Source Aquifers</b>  Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	No	No	<i>According to the EPA Sole Source Aquifer Map, the project is not near a sole source aquifer.</i>	<i>Review is in compliance with the Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149. (See Sole Source Aquifers)</i>	none
<b>Wetlands Protection</b>  Executive Order 11990, particularly sections 2 and 5	No	No	<i>According to the USFWS wetland map and review of the project description, no portion of the project will occur within or otherwise disturb a wetland.</i>	<i>Review is in compliance with Executive Order 11990, particularly sections 2 and 5. (See Wetlands Protection)</i>	none
<b>Wild and Scenic Rivers</b>  Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	No	No	<i>According to the Texas Wild and Scenic and Inventory Rivers map, the project is not within one (1) mile proximity of a designated Wild, Scenic River; Study River or a river segment that potentially qualifies as a national wild, scenic or recreational river area.</i>	<i>Review is in compliance with the Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c). (See Wild and Scenic Rivers)</i>	none

<b>Environmental Justice</b> Executive Order 12898	No	No	<i>According to the HUD Checklist on Environmental Justice, because no adverse environmental impacts were identified in any other compliance reviewportion of this project's total environmental review, the project is in compliance.</i>	<i>Review is in compliance with the Executive Order 12898. (See Environmental Justice)</i>	none
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### Section C

Environmental Assessment Factor	Impact Code *	Impact Evaluation *
<b>Land Development</b>		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	<p><i>Review of Google Maps and onsite photos indicated that the project is in conformance with local development plans and no special permit or change in zoning will be required as the project involves improving and installing water lines which are already in conformance with local plans.</i></p> <p><i>The project is in compliance with surrounding land uses and there will be no change in land use as the water lines will be underground.</i></p> <p><i>The project does not constitute an activity that would contribute to urban sprawl as it involves improving and installing water lines.</i></p> <p><i>There will be no long-term impact of the project on the visual character of its surroundings and ultimately, on the residents, users and/or visitors of the project as the project involves improving and installing water lines.</i></p>

Soil Suitability/ Slope/ Erosion/ Drainage/	<p>According to the National Seismic Hazard map, the project area is in a low-hazard area.</p> <p>The project will not be affected by a high water table as construction activities will occur well above the water line.</p> <p>No unusual soil conditions were identified during an onsite review of the project area and there was no visible evidence of soil problems or filled ground.</p> <p>No soil studies have been conducted. However, the project engineer has determined that the soil is suitable for the project and unsuitable soil conditions are not expected to affect the project.</p> <p>The project does not include activities that could convert agricultural land to non-agricultural land and the project will not significantly affect soils that may be better suited for natural resource management activities such as farming, forestry, unique natural area preservation, etc.</p> <p>There was no visual indication of previous slides or slumps in the project area, such as tilted trees or fences, that would affect this project. Therefore the project will significantly affect or be affected by slope conditions.</p> <p>Onsite inspection revealed no evidence of sedimentation and standard erosion controls will be installed. Therefore, no erosion or sedimentation is expected to result from this project.</p> <p>Because the project may involve site clearance, the removal of soil and some native grasses, which could contribute to soil erosion, will likely occur.</p> <p>Based upon on-site observation, there was no indication of cross-lot runoff or swales. There were also no indications of active rills or gullies at the site and there was no evidence of filled ground in the project area.</p> <p>The project involves improving existing water lines and installing new water lines, which will create a loop to support pressures in the area.</p> <p>There is no public storm sewer available in the project area. Instead, streets, bar ditches and culverts are utilized to control stormwater runoff.</p> <p>The project itself will not cause or substantially contribute to off-site pollution by stormwater run-off, leaching of chemicals, or other pollutants nor will it significantly affect or be affected by drainage and stormwater conditions as standard BMP's will be utilized.</p>

Hazards and Nuisances including Site Safety and Noise	3	<p><i>On-site observations, review of onsite photos and aerial photos revealed that the project will not be affected by natural hazards, but will be affected by man-made hazards during construction: (Hazardous Street and Underground/Above Ground Utilities).</i></p> <p><i>No unusual conditions were found at the site and review of state and federal hazmat databases indicated that the site has not been used as a dump, sanitary landfill or mine waste disposal area.</i></p> <p><i>There was no indication of contaminated soil or, fill/vent pipes, pipelines, drainage structures and there are no air pollution generators which would adversely affect the site.</i></p> <p><i>The project will not be affected by any nuisances as it involves replacing existing water line which have been in existence for years and does not constitute a place where people will live, study or work.</i></p> <p><i>The project itself is not a noise-generating facility in a noise-sensitive area. Therefore, no such facility will be affected by this project.</i></p> <p><i>Potential negative impacts of Hazards and Nuisances including Site Safety will be reduced as state-mandated dig tests will be performed as necessary and appropriate traffic controls will be incorporated into construction contracts as necessary.</i></p>
Energy Consumption	3	<p><i>The project does not involve constructing an energy using activity. However, during construction, energy consumption is expected to slightly increase, but should not significantly impact existing supplies.</i></p>
<b>Socioeconomic</b>		
Employment and Income Patterns	1	<p><i>The project involves improving existing water facilities which will result in no changes in employment and income patterns, will not significantly increase or decrease employment opportunities and will create conditions favorable to commercial, industrial or institutional operation or development by helping ensure an adequate water system is available to the community.</i></p>
Demographic Character Changes, Displacement	2	<p><i>After reviewing project area photos, it was concluded that the project will not have a measurable effect on the demographic character of the area, will not severely alter residential, commercial or industrial uses and will not destroy or harm any community institution, such as a church.</i></p> <p><i>The proposed will not cause the relocation or displacement of any residence or business or adversely affect planned development, businesses, residences, or neighborhoods near the project area.</i></p>
<b>Community Facilities and Services</b>		

Educational and Cultural Facilities	3	<p>Based upon review of on-site and aerial photos, the project will not directly serve or be affected by educational or cultural facilities and according to Google Maps, an elementary school and a High school are located adjacent to one of the project sites and a second elementary school is located within close proximity of the same project site.</p> <p>The project does not involve a housing development and will not directly serve an educational or cultural facility. Therefore, adequate access to such facilities, as it pertains to housing, does not apply.</p> <p>During construction, vital utilities such as electric, water and internet, could be damaged which could endanger students and staff, school traffic could be disrupted and school children could enter the project area and get injured.</p> <p>Any impacts are expected to be minimal as state-mandated dig tests will be performed prior to construction and appropriate traffic and site-safety controls will be incorporated into construction documents.</p> <p>However, due to the proximity of the schools.</p>
Commercial Facilities	3	<p>The project includes improving existing water facilities which will not directly affect or be affected by commercial facilities and according to Google Maps, a few such facilities exist in the project area.</p> <p>During construction, vital utilities such as electric, water, telephone and internet could be damaged and street detours could occur which would disrupt commercial activities.</p> <p>Any impacts are anticipated to be minimal, state-mandated dig tests will be performed and appropriate traffic controls will be incorporated into construction contracts.</p>
Health Care and Social Services	2	<p>Based upon review of onsite photos and Google Maps, the project includes waterline system improvements which will not directly affect or be affected by health care or social services facilities and there are no such facilities in the general project area.</p>
Solid Waste Disposal / Recycling	2	<p>Based upon review of onsite photos and Google Maps, the project will not directly serve a solid waste facility and there are no such facilities in the project area.</p> <p>In addition, the project does not involve housing or commercial development. Therefore, consideration of adequate solid waste disposal/recycling, as it pertains to these activities, does not apply.</p> <p>It is anticipated that waste associated with the project will be generated during construction. The contractor will be responsible for disposing of the waste in accordance to state laws, including those pertaining to hazardous materials.</p> <p>Due to the small amount of waste anticipated to be produced, existing landfill capacities in the area are expected to be adequate.</p>
Waste Water / Sanitary Sewers	3	<p>The project does not involve housing or commercial development. Therefore, consideration of adequate sewer service, as it pertains to these activities, does not apply.</p> <p>During construction sewer lines could be damaged which could interrupt service to customers.</p> <p>Potential negative impacts will be reduced as state-mandated dig tests will be performed.</p>

Water Supply	3	<p><i>The project does not involve a housing or commercial development and will not directly serve a public safety facility. Therefore, water supply, as it pertains to these activities, does not apply.</i></p> <p><i>During construction water lines will be shut off for tie-in connections, also waterlines could be damaged which could interrupt service to customers.</i></p> <p><i>Potential negative impacts will be reduced as state-mandated dig tests will be performed and customers will be notified prior to any system shutdowns which may be necessary.</i></p>
Public Safety - Police, Fire, and Emergency Medical	3	<p><i>The project does not involve a housing or commercial development and will not directly serve a public safety facility. Therefore, adequate police, fire and emergency medical access, as it pertains to these activities, does not apply.</i></p> <p><i>Review of onsite-photos and Google Maps indicated no Public Safety Facilities in or near the general project area.</i></p> <p><i>During construction, lane/road closures could occur, which could impede public safety vehicles.</i></p> <p><i>Potential negative impacts to Public Safety Facilities will be reduced as appropriate traffic controls will be incorporated into construction contracts.</i></p>
Parks, Open Space and Recreation	2	<p><i>The project does not involve a housing development. Therefore, adequate access to parks, open space and recreation, as it pertains to housing, does not apply.</i></p> <p><i>According to on-site inspection, Google Maps and review of project area photographs there are no parks, open space or recreational sites in the general project area.</i></p> <p><i>No impacts to parks, open space or recreational facilities are anticipated.</i></p>
Transportation and Accessibility	3	<p><i>The project does not involve a housing or commercial development. Therefore, adequate access to transportation facilities and parking, as it pertains to these activities, does not apply.</i></p> <p><i>During construction, lane/road closures could occur which could disrupt traffic.</i></p> <p><i>Potential negative impacts to Transportation and Accessibility will be reduced as appropriate traffic controls will be incorporated into construction contracts.</i></p>
<b>Natural Features</b>		
Unique Natural Features, Water Resources	2	<p><i>Review of Google Maps and onsite photos indicated that there are no natural features (bluffs or cliffs) or public or private scenic areas near the project site.</i></p> <p><i>According to the EPA Sole Source Aquifer Map, the project is not near a sole source aquifer.</i></p>

Vegetation, Wildlife	3	<p><i>The project will not create problems by introducing nuisance or non-indigenous species of vegetation that may be ecologically disruptive, be invasive, threaten survival of indigenous plant habitats, or disrupt agricultural or silvicultural activities as only native plants will be used.</i></p> <p><i>The project will not damage or destroy existing remnant or endemic plant communities, especially those containing nationally, regionally or locally rare species (e.g., prairie grasslands, ice-age disjuncts, local soil-type endemics, etc.) as none exist in the project area.</i></p> <p><i>The project will not damage or destroy plant species that are legally protected by state or local ordinances as none exist in the project area.</i></p> <p><i>There is a potential that the project will damage or destroy trees in the project area as construction activities may include removing branches and or trees. However, impacts are expected to be minimal as few trees appear to be in the anticipated construction zone.</i></p> <p><i>The project will create special hazards for animal life as ground soil, native grasses and small trees which serve as habitat for some species, may be removed during construction. However, the disturbance is expected to be minimal and most affected animal life should be able to relocate on adjacent properties.</i></p> <p><i>The project will not impact migratory birds as their habitat does not exist in the project area.</i></p> <p><i>The project site does not host species that are monitored or listed by local, state, tribal or the federal government.</i></p> <p><i>The project will not damage or destroy existing wildlife habitats (e.g., removal or blockage of wildlife corridors, such as a riparian buffer) as none exist in the project area.</i></p> <p><i>The project will not include excessive grading that will alter the groundwater level and thus cause death of trees and ground cover which in turn diminishes animal habitat as no such grading is included in this project.</i></p> <p><i>The project will not damage game fish habitat or spawning grounds as none exist in the project area.</i></p> <p><i>During construction, storm drainage could be disrupted. However, any disruption is expected to be minimal as drainage controls will be incorporated into the construction contract where needed.</i></p> <p><i>The project will not create conditions favorable to the proliferation of pest species as it is anticipated that only native plants/soils will be utilized in the project as native grasses and landscaping will be utilized.</i></p> <p><i>The project will not create conditions (e.g., generate excessive noise or introduce pesticide usage) that could harm or harass wildlife species that are nationally, regionally or locally rare or protected by state or local ordinance as none exist in the project area.</i></p>
		Other Factors

**Field Inspection Date: \*** 1/20/2023

**Field Inspection completed by: \*** Lisette Howard

**Additional Studies Performed: \***

None

**List of Sources, Agencies, and Persons Consulted: \*****Sources:**

*US Census  
Google Maps  
Aerial Photos  
Onsite Observation  
Military Bases in the Continental United States  
General Land Office Coastal Barrier Map  
FEMA Community Status Book Report  
NEPA Assist  
Closed and Abandoned Landfills - Regional COG  
TCEQ - CQR  
General Land Office Coastal Zone Map  
USFWS IPAC Report and Official Species List  
TPWD County Species List  
USDA Soil Survey  
USDA Farmlands Protection Act  
FEMA floodplain map  
HUD Tribal Directory  
EPA Sole Source Aquifer Map  
USFWS Wetland Mapper  
Texas Wild and Scenic and Inventory Maps  
National Seismic Hazard Map*

**Agencies:**

*USFWS - 3/07/2022  
Texas Historical Commission - 3/13/2023  
Apache Tribe of Oklahoma - 4/5/23  
Caddo Nation of Oklahoma - 4/5/23  
Comanche Nation of Oklahoma - 4/5/23  
Coushatta Tribe of Louisiana - 4/5/23  
Delaware Nation, Oklahoma - 4/5/23  
Tonkawa Tribe of Indians of Oklahoma - 4/5/23  
Wichita and Affiliated Tribes - (Wichita, Keechi, Waco & Tawakonie), Oklahoma - 4/5/23*

**List of Permits Obtained:**

*None*

**Public Outreach [24 CFR 50.23 & 58.43]: \***

*During Application Process  
During FONSI comment period*

**Cumulative Impact Analysis [24 CFR 58.32] \***

**Project Size and Beneficiaries**

Total area of disturbance is 0.36 acres and these activities shall have a city wide benefit: 15,640 citizens of which 10,010 are low to moderate income.

**Resource Study Area**

Based on review of the performance statement in the grant contract with TDA, the relevant resource study area (RSA) is the City of Terrell and the area served by the area of the water system to be improved with this project.

**The Context**

The project will occur in three (2) developed locations in the City. All work will occur within existing ROW and land acquired through acquisition and the area to be benefited are areas near and downstream from the areas to be addressed.

The City of Terrell does not have a complete water loop and redundant feeds for the entire system. Not having complete loops creates insufficient service in the City because it strains the system as a whole when demand increases from events such as main breaks and fire flow needs. Inadequate looping to provide system capacity results in low water pressure, reduced circulation, and poor service to residents in the City.

With the aid of federal grant funds, the City has been able to upgrade other infrastructure in the City. In addition, planning studies have been commissioned which will help the City better allocate their funds for such projects.

**Cumulative Effects**

Cumulative Effects are defined as environmental effects that are greater in magnitude, extent, or duration than the direct and indirect effects of a proposed action when combined with the effects of other current and future actions, regardless of the proponent.

Using a trends method to analyze the cumulative effects on the resources over time along with consultation with federal, state authorities, the City and the project engineer, the effect or cumulative stresses were determined for the RSA.

As part of this analysis, the following other projects within the same geographic scope were considered:

Installing main water looping lines in the northwestern part of the city.

Other cumulative impacts which were considered include:

**Community Growth**

As a result of the project, the City will have a more reliable water system which could encourage residential and commercial growth.

No other cumulative impacts are expected to occur from the Proposed Action in combination with actions occurring near the project area.

The project will have no adverse impact on the communities water supply or water service.

No other cumulative impacts are expected to occur from the Proposed Action in combination with actions occurring near the project area.

**Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]\*****BUILD**

Install different-sized water line. The project engineer has determined that the proposed water line is optimally sized for the project. However, it is possible that different-sized water line could be utilized. (Viable)

Address water line in different area of the City. The City considered addressing different water lines in the City and concluded that those identified in this project are the most critical to address. However, it is possible that additional water lines will be addressed if funding allows, but a reevaluation of the environmental assessment would be required. (viable if adequate funding becomes available)

**BUILD/PROPOSED**

Construct the project as proposed. The City has determined that the project, as proposed, is the best solution to the water system issues. (viable)

**No Action Alternative [24 CFR 58.40(e)]: \***

*A no-action alternative was considered. Some elements of the water system are currently not functioning properly and could pose a health hazard to the community if not addressed. (Not Viable)*

**Summary of Findings and Conclusions: \*****Foreseeable Actions**

*It has been determined that addressing the water system improvements in the project area will occur.*

**Conclusion**

*It was concluded that the project will have minimal cumulative impacts to the resources within the RSA, given past, current, and reasonably foreseeable actions. It was determined that, as proposed, the project will result in no significant impact to the environment.*

# Project Information

RESOLUTION NO. 1020

**A RESOLUTION OF THE CITY COUNCIL OF TERRELL, TEXAS, AUTHORIZING THE SUBMISSION OF A TEXAS COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM APPLICATION TO THE TEXAS DEPARTMENT OF AGRICULTURE FOR THE COMMUNITY DEVELOPMENT FUND; AND AUTHORIZING THE MAYOR AND THE CITY MANAGER TO ACT AS THE CITY'S EXECUTIVE OFFICERS AND AUTHORIZED REPRESENTATIVES IN ALL MATTERS PERTAINING TO THE CITY'S PARTICIPATION IN THE TEXAS COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM.**

**WHEREAS**, the City Council of Terrell desires to develop a viable community, including decent housing and a suitable living environment and expanding economic opportunities, principally for persons of low-to- moderate income; and

**WHEREAS**, certain conditions exist which represent a threat to the public health and safety; and

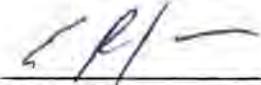
**WHEREAS**, it is necessary and in the best interests of the City of Terrell to apply for funding under the Texas Community Development Block Grant Program;

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF TERRELL, TEXAS:**

1. That a Texas Community Development Block Grant Program application for the Community Development Fund is hereby authorized to be filed on behalf of the City with the Texas Department of Agriculture.
2. That the City's application be placed in competition for funding under the Community Development Fund.
3. That the application be for \$350,000 of grant funds for water improvements in the City.
4. That the City Council directs and designates the following to act in all matters in connection with this application and the City's participation in the Texas Community Development Block Grant Program:
  - The Mayor and City Manager shall serve as the City's Chief Executive Officers and Authorized Representatives to execute this application and any subsequent contractual documents;
  - The Mayor and City Manager are authorized to execute environmental review documents between the Texas Department of Agriculture and the City; and
  - If this application is funded, the Mayor, Mayor Pro-Tem, City Manager, and City Secretary are authorized to execute the Request for Payment Form documents and/or other forms required for requesting funds to reimburse project costs.
5. That all funds will be used in accordance with all applicable federal, state, local and programmatic requirements including but not limited to procurement, environmental review, labor standards, real property acquisition, and civil rights requirements.

6. That it further be stated that the City of Terrell is committing \$556,510 from its Utility Fund as contribution toward this project.

Passed and approved this 6<sup>th</sup> day of April, 2021.



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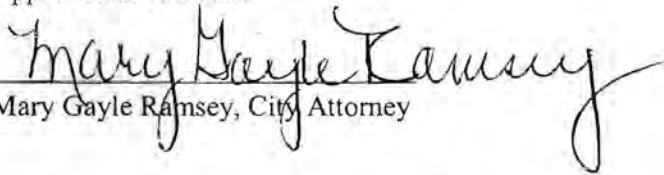
E. Rick Carmona, Mayor

Attest:



Dawn Steil, City Secretary  
City of Terrell, Texas

Approved as to Form:



Mary Gayle Ramsey, City Attorney

# Description and Budget



## TEXAS DEPARTMENT OF AGRICULTURE

### GRANT AGREEMENT

<b>GRANTEE</b>	Terrell
<b>GRANT PROGRAM</b>	CDBG - Community Development Fund - 2021
<b>PROJECT TITLE</b>	CDBG - Community Development Fund - 2021
<b>CFDA NUMBER</b>	14.228
<b>PERFORMANCE PERIOD/ AGREEMENT TERM</b>	2/1/2023 Through 1/31/2025

### **AUTHORITY AND PURPOSE**

The United States Government has awarded Community Development Block Grant "CDBG" funds to the State of Texas for activities authorized under Title I of the Housing and Community Development Act of 1974 "HCD Act," as amended (42 U.S.C. 5301 et seq.). The Texas Department of Agriculture "Department" administers the State Community Development Block Grant "TxCDBG" Program. "TxCDBG" means the Texas Community Development Block Grant Program, as established by the Texas Legislature and administered by the Texas Department of Agriculture.

Grant Recipient has submitted a request for assistance under this Grant Program, hereinafter referred to as the "Application," hereby incorporated by reference into this Grant Agreement "Agreement." This Agreement sets forth the obligations of the parties along with the terms and conditions under which the Department will provide Grant Program funds to Grant Recipient under this award. Grant Recipient agrees to administer the project as described herein ("Project"), and the Department agrees to fund the Project up to the Grant Amount.

### **PROJECT DESCRIPTION**

Water main construction in north and south Terrell

Grant Recipient agrees to carry out the Project and complete all approved activities in accordance with the terms of this Agreement, including the following Exhibits which are attached hereto and incorporated by reference: "Exhibit A" is the Project Budget (Exhibit B), General Terms and Conditions (Exhibit C), Certifications and Assurances (Exhibit D), and to comply with all statutes and regulations as applicable to this award and such regulations and procedures as the Department may prescribe.

<b>TOTAL GRANT AMOUNT NOT TO EXCEED</b>	\$350,000.00
<b>MATCH AMOUNT (if applicable)</b>	\$556,510.00

GRANTEE	GRANTOR
Terrell	<b>TEXAS DEPARTMENT OF AGRICULTURE Trade and Business Development</b>
201 East Nash Terrell, Texas 75160	3922" P" Eqp i tguu" Cxg" Cwuvkp. "VZ" "9:923"
<b>AUTHORIZED SIGNATORY/AUTHORITY TO BIND"</b>	
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PRINTED NAME AND TITLE OF PERSON SIGNING: Mike Sims	PRINTED NAME AND TITLE OF PERSON SIGNING: Karen Reichek
DATE SIGNED: 4/17/2023	DATE SIGNED: 4/18/2023

## **Exhibit A**

### **Performance Plan and Specific Award Conditions**

#### **A. Eligible Use of Funds**

1. As a condition of receiving this award, Grant Recipient shall administer the Project funded under this Agreement and complete all activities described in this Exhibit A in accordance with the Project Schedule and performance goals outlined herein. Grant Recipient shall perform and complete all work and activities in a manner satisfactory to the Department and consistent with the terms of conditions of this Agreement and applicable statutes and regulations.
2. The use of Grant Program funds is premised upon, and conditioned on, Grant Recipient fulfilling one of the program's national objectives. Grant Recipient certifies that the activity (ies) carried out under this Agreement will meet the national objective of Activities benefitting low-to-moderate income persons. If Grant Recipient fails to meet a national program objective, as specified in this Exhibit A, Grant Recipient shall reimburse the Department all grant funds received under this Agreement within 30 days of notice or such timeframe as requested by the Department.
3. Grant Recipient will undertake the following activities and provide the following levels of program services.

#### **City of Terrell - 03J**

Grant Recipient shall address the following local need:

Inadequate looping resulting in low water pressure, reduced circulation and poor water service

Grant Recipient shall complete the following work:

Install approximately three thousand, one hundred fifty linear feet (3,150 l.f.) of twelve-inch (12 in.) water main, hydrants, boring, related service reconnections, and all associated appurtenances.

Carry out all acquisition of needed real property, easements, and/or rights-of-way, including cross county from Tanger Drive to Interstate 20 in the southeastern section of the city, in compliance with program requirements.

Grant Recipient shall perform this work in the following location(s):

Poetry Road and cross country from Tanger Drive to Interstate 20. This location is more fully described in Figure A1 below, which is incorporated herein. In the event of a conflict between this description and Figure A1, Figure A1 controls.

These activities shall benefit 15,640 persons, of which 10,010 or 64.00 percent are of low- to moderate-income.

4. Grant Recipient shall ensure that all required engineering services are completed as required by state law, including preliminary and final design plans and specifications, interim and final inspections, and all relevant special services. Grant Recipient shall ensure that all projectrelated administration activities are completed as described in the current TxCDBG Project Implementation Manual.

## **B. Prohibited Activities**

Grant Recipient may only use grant funds to carry out the activities described in this Agreement. Grant Recipient is prohibited from charging to this award the costs of ineligible activities, including those described at 24 CFR 570.207, and from using funds provided herein or personnel employed in the administration of activities under this Agreement for political activities, inherently religious activities, or lobbying.

## **C. Timeline**

Grant Recipient will comply with the following Project Schedule. Failure to meet any of the below milestones may result in sanctions as outlined in the TxCDBG Project Implementation Manual, Requests for Applications, other published guidance, and conditions of this agreement.

Pre-Agreement Cost Begins:	5/3/2021
Grant Contract Period Begins:	2/1/2023
Environmental Review/Plans & Specifications Recommended to be Complete:	8/1/2023
Group B Forms Required to be Complete:	2/1/2024
Project Recommended to be Complete, including inspections:	10/1/2024
Grant Contract Period Ends:	1/31/2025
Final Payment and Closeout Documentation Required to be Submitted:	4/1/2025

## **D. Special Conditions**

Grant Recipient agrees and assures the Department that it will comply with all the special provisions and requirements of the award described herein.

# Location Maps / Drawings

Terrell CDV21-0329-Water

4 views  
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 Add layer  Share  Preview

Water Line Installation

Individual styles

Poetry Bd Water Line

POETRY ALT

## POETRY

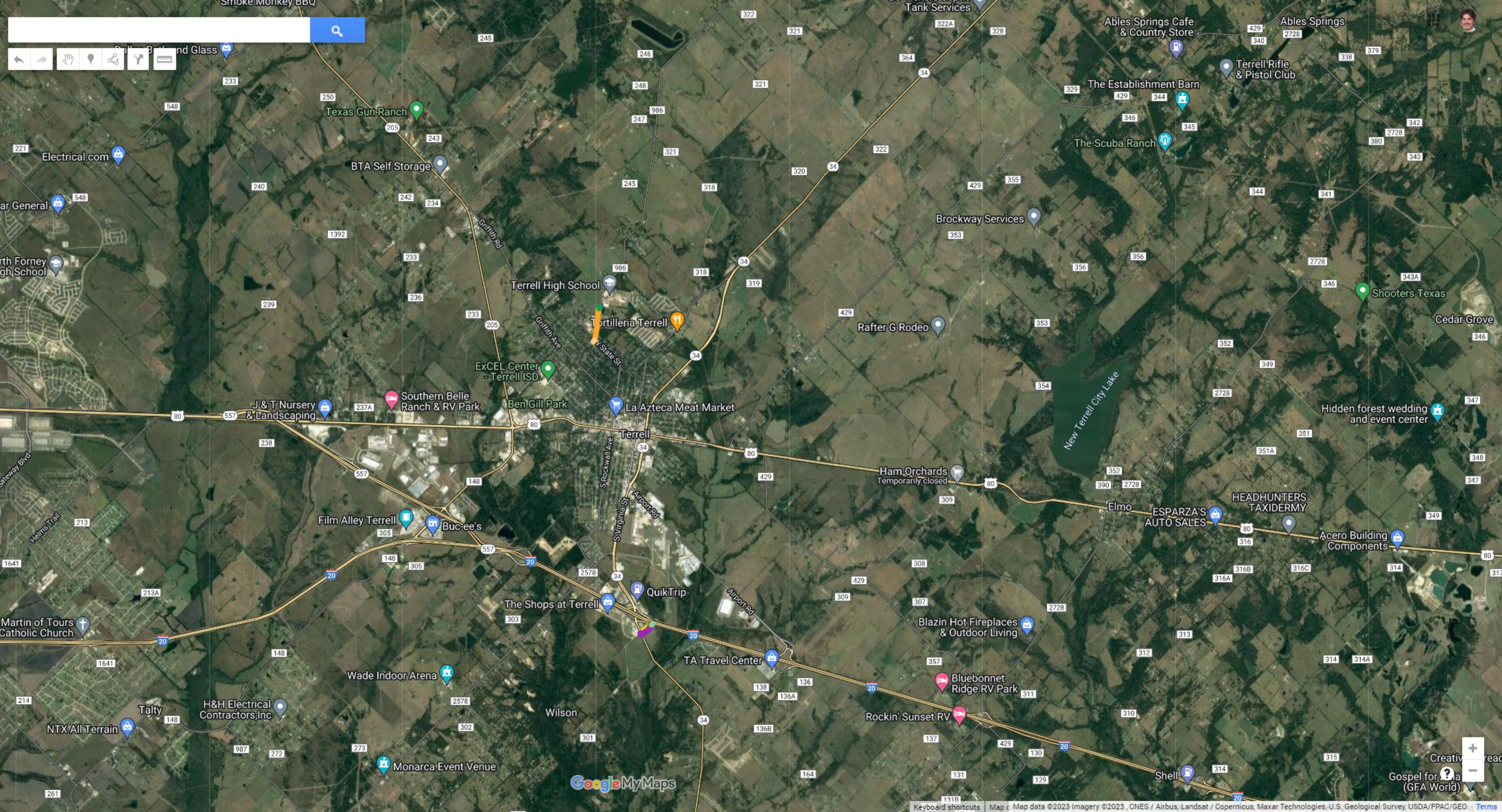
## • Cross Country

### • Gross Country

### cross country

## Cross Country -

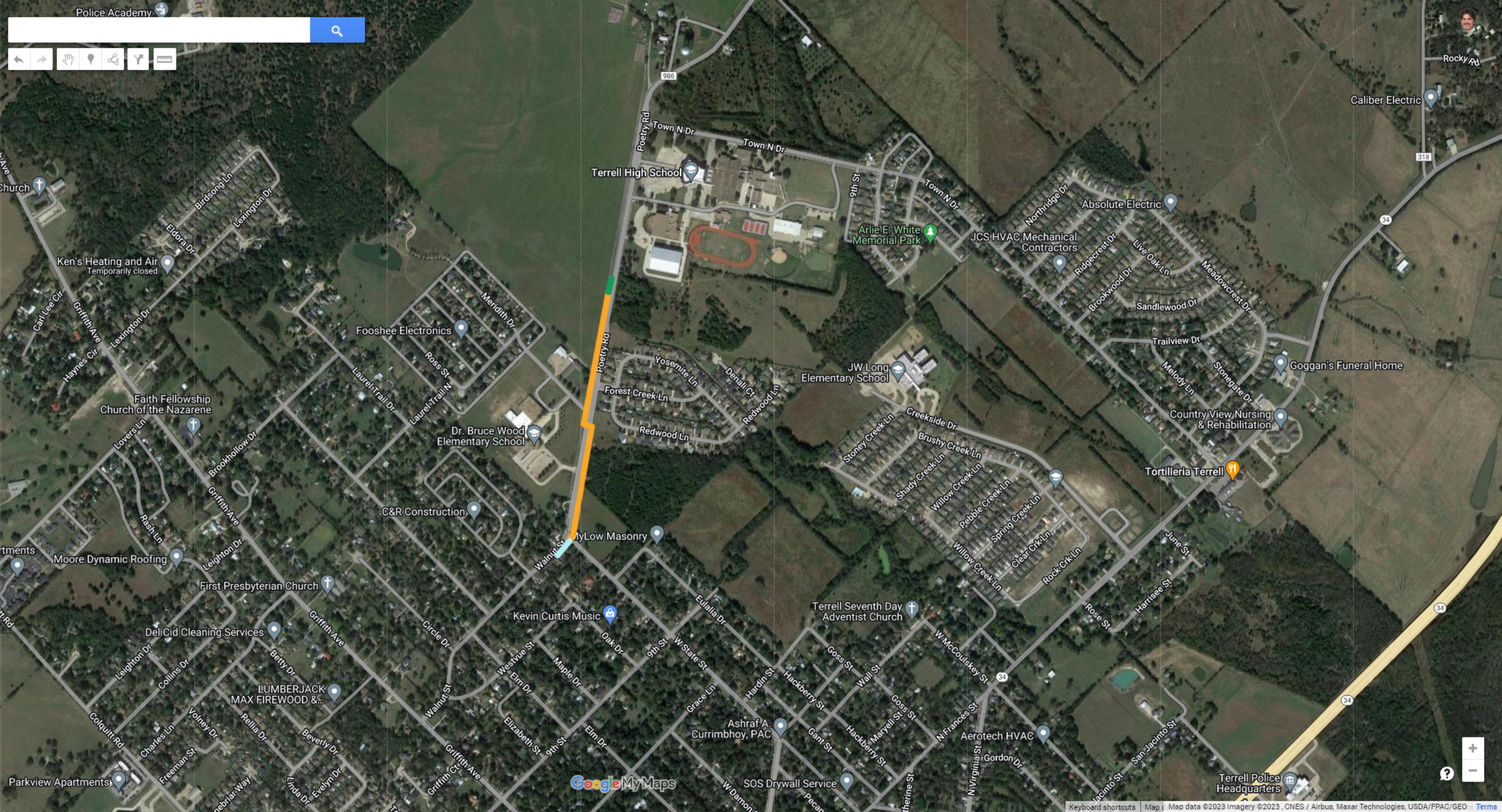
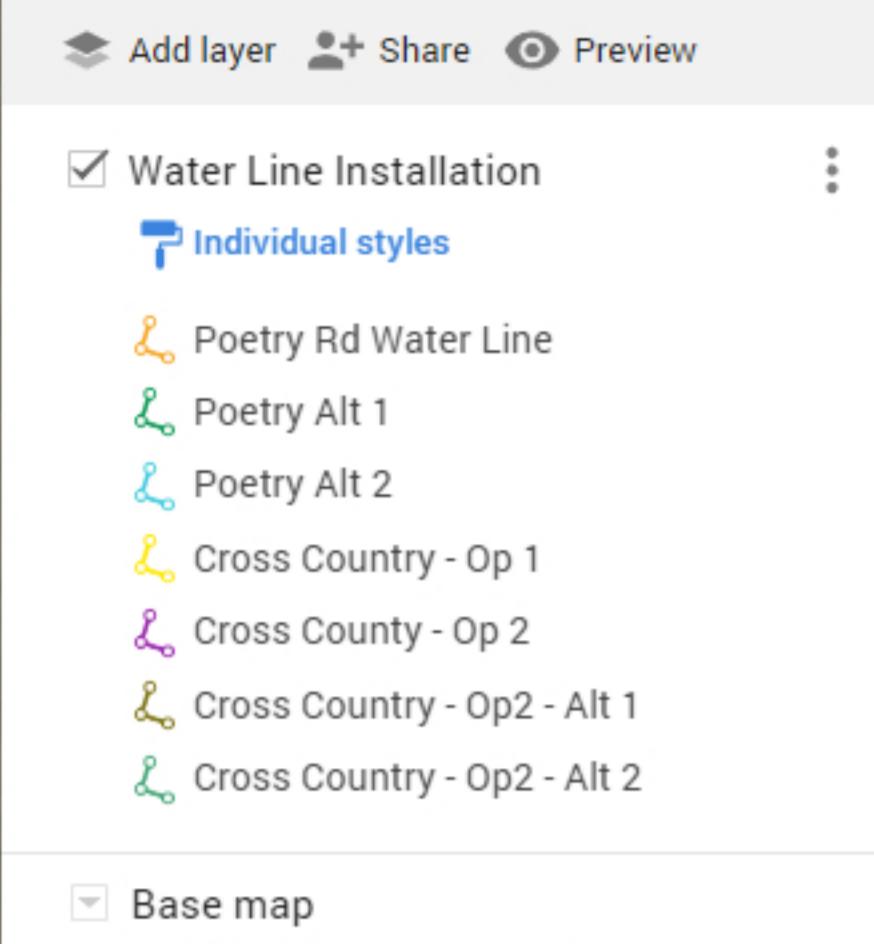
## Cross Country -



Terrell CDV21-0329-Water

4 views

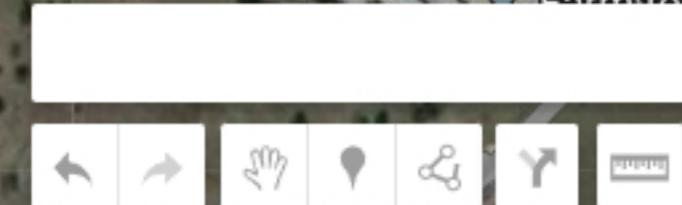
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Terrell CDV21-0329-Water

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 Add layer  Share  Preview

### Water Line Installation

## Individual styles

 Poetry Rd Water Line

L Poetry Alt 1

Poetry Alt 2

### Lesson 10

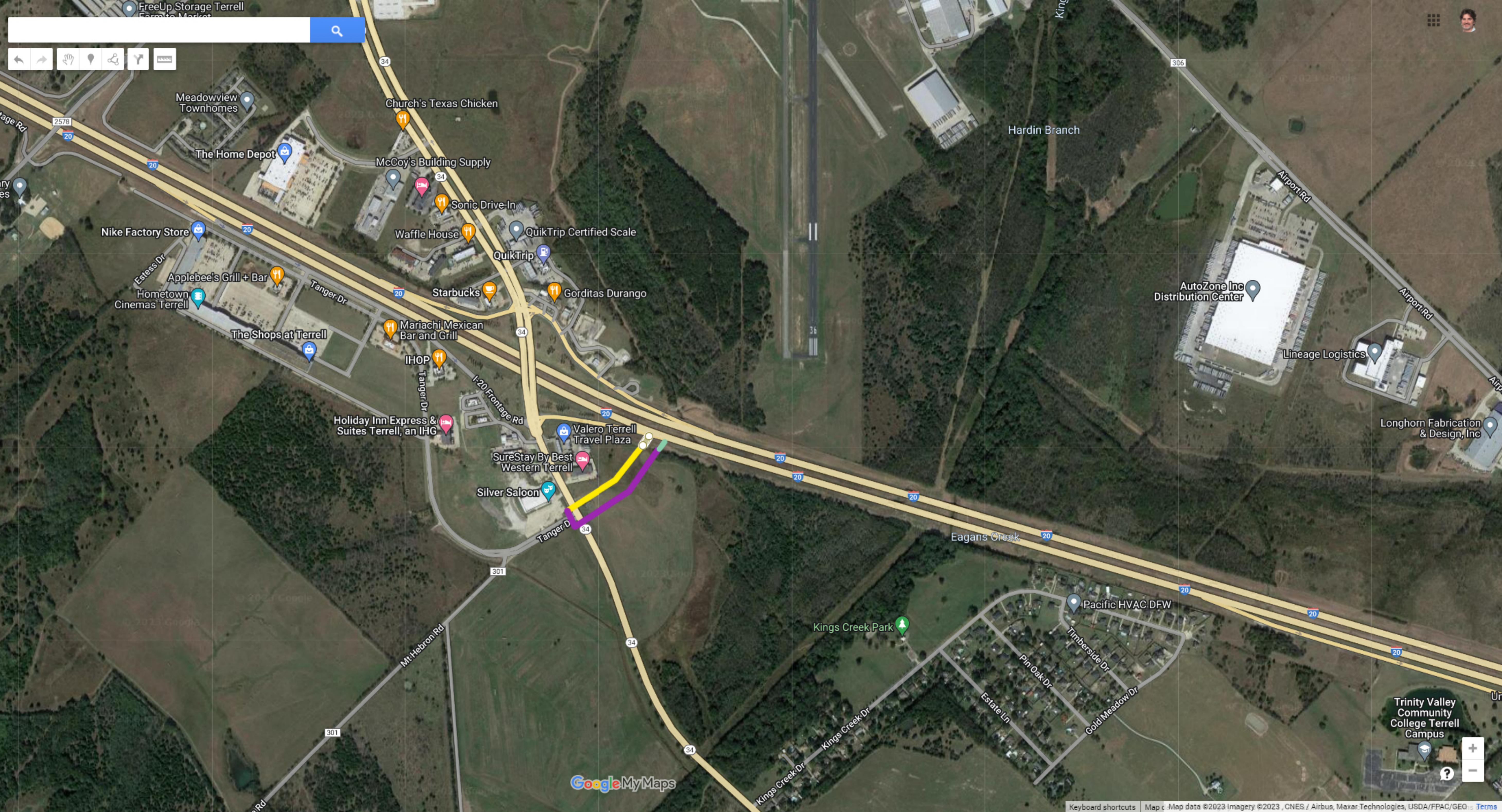
## KEY cross country - up to

Cross County - Op 2

L Cross Country - Op2 - Alt 1

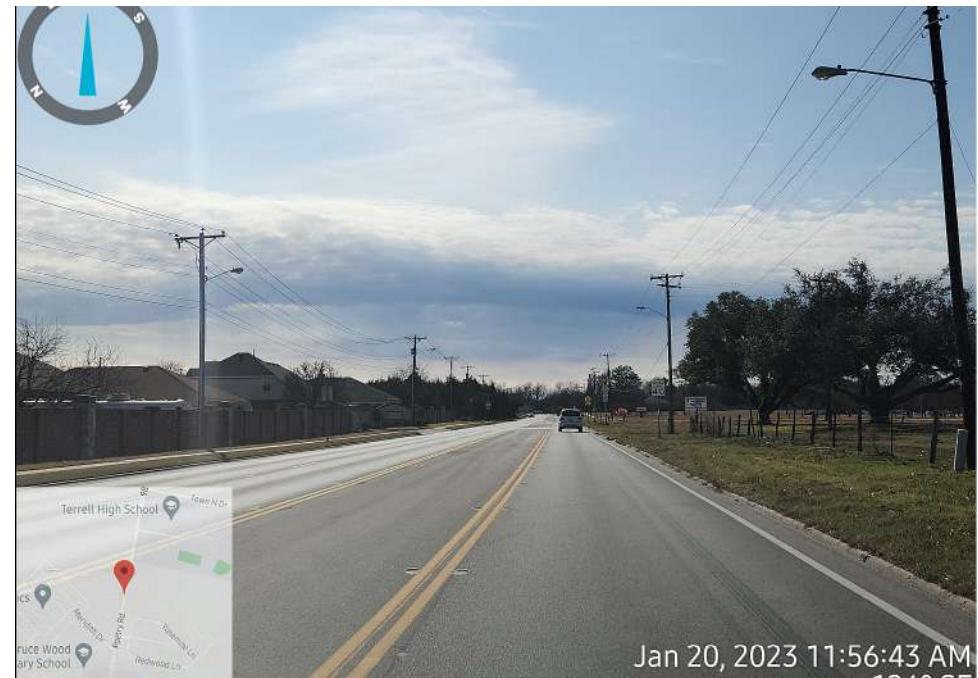
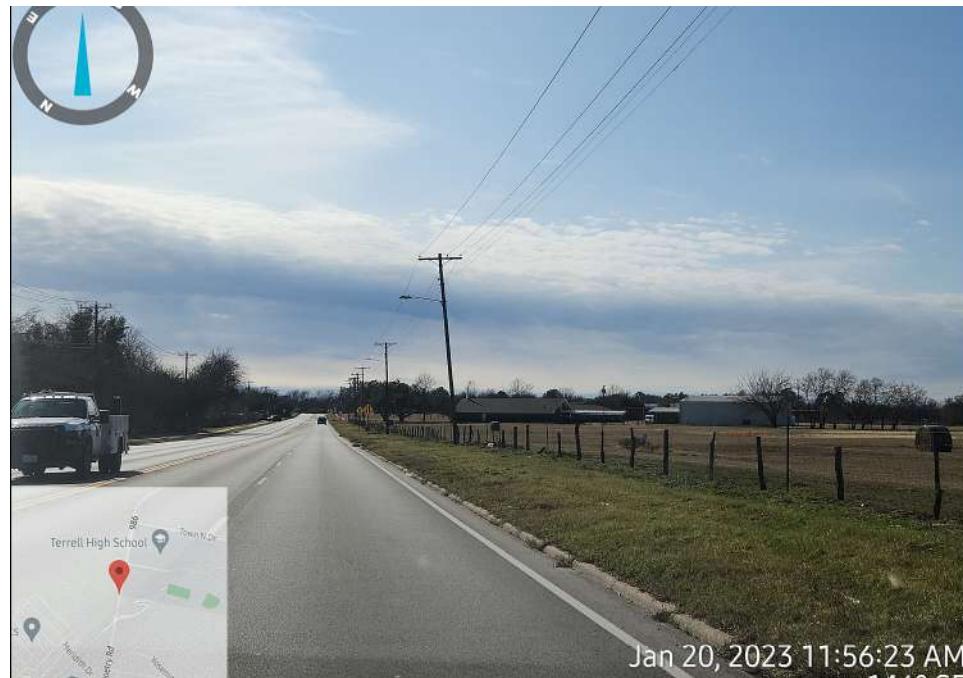
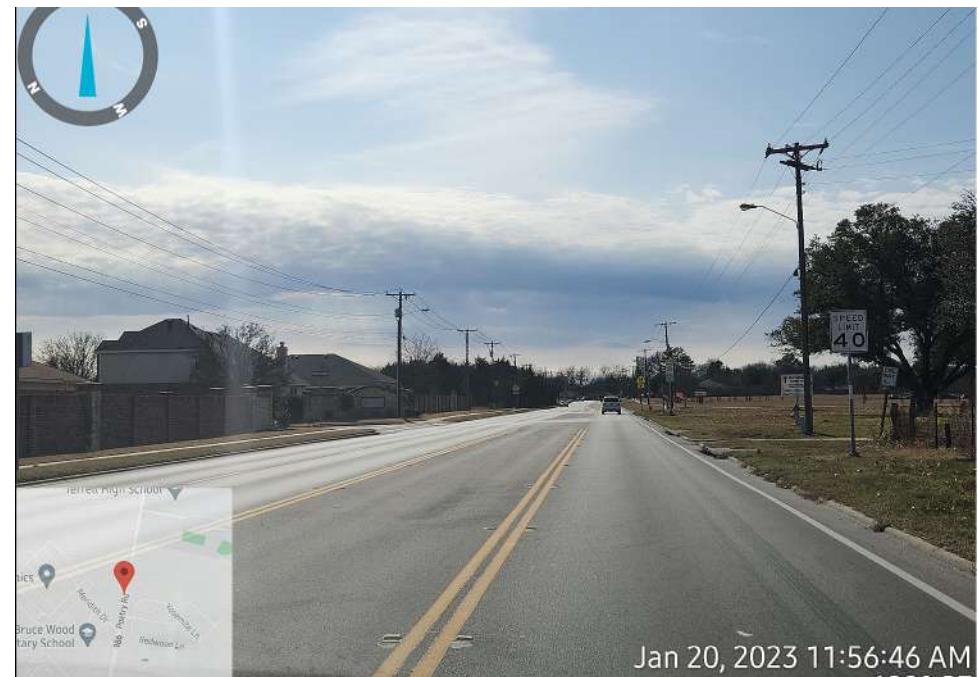
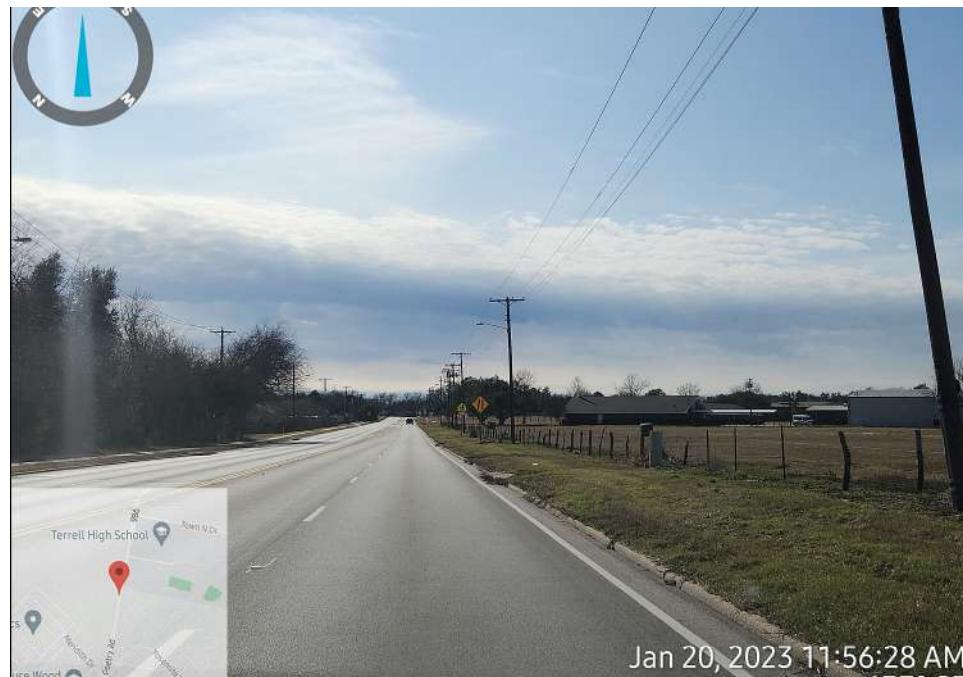
 Cross Country - Op2 - Alt 2

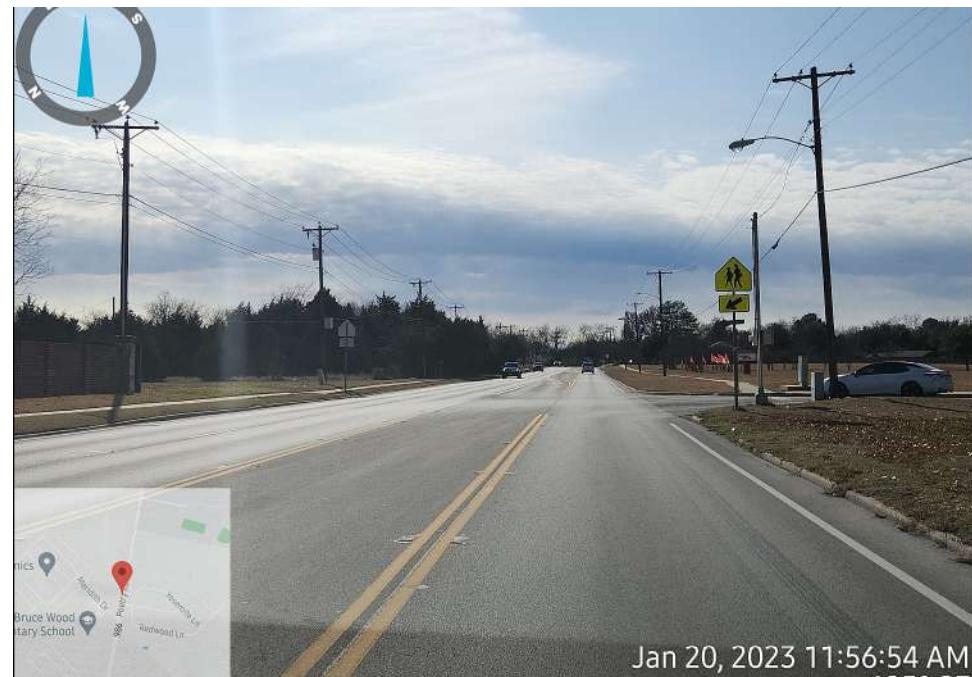
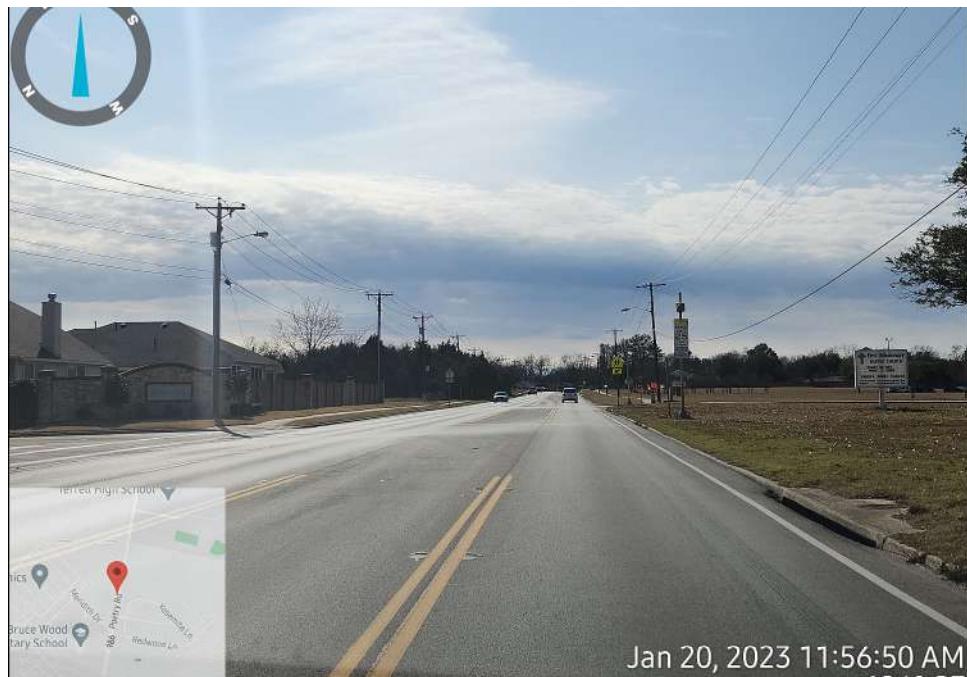
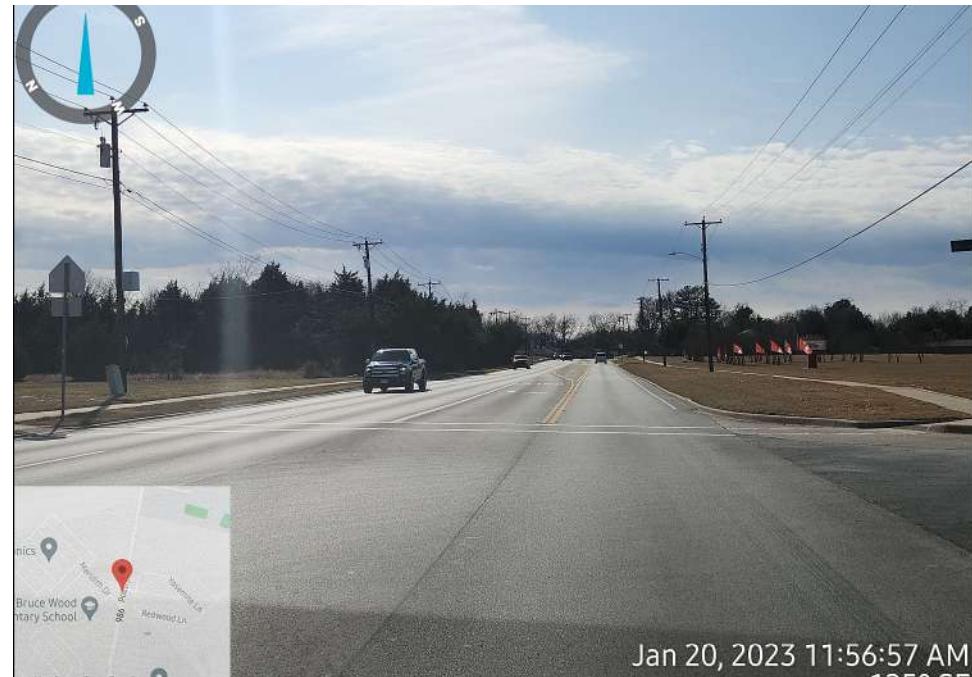
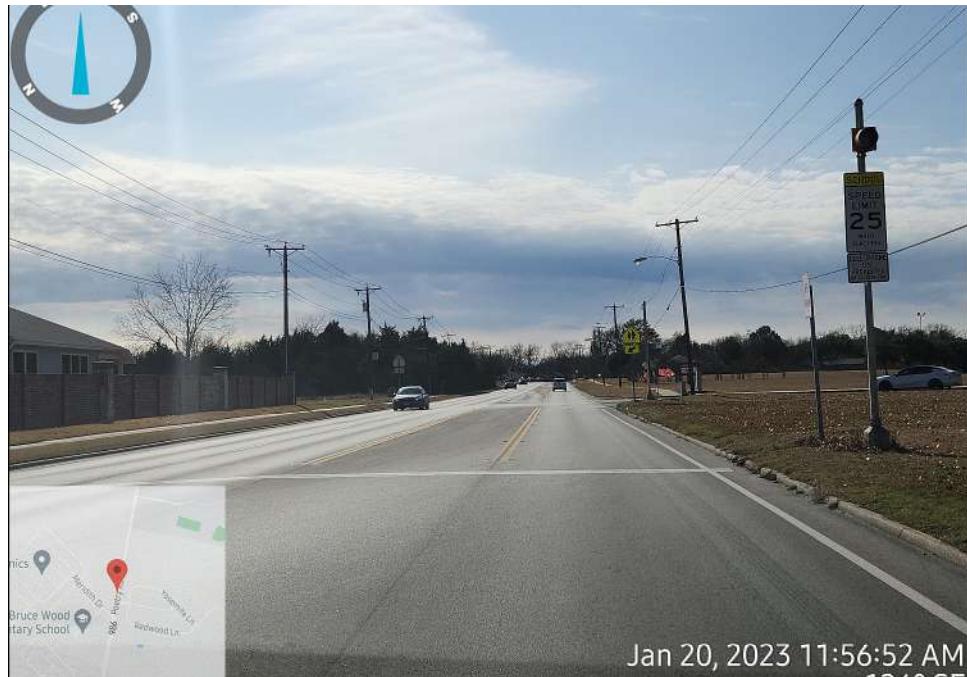
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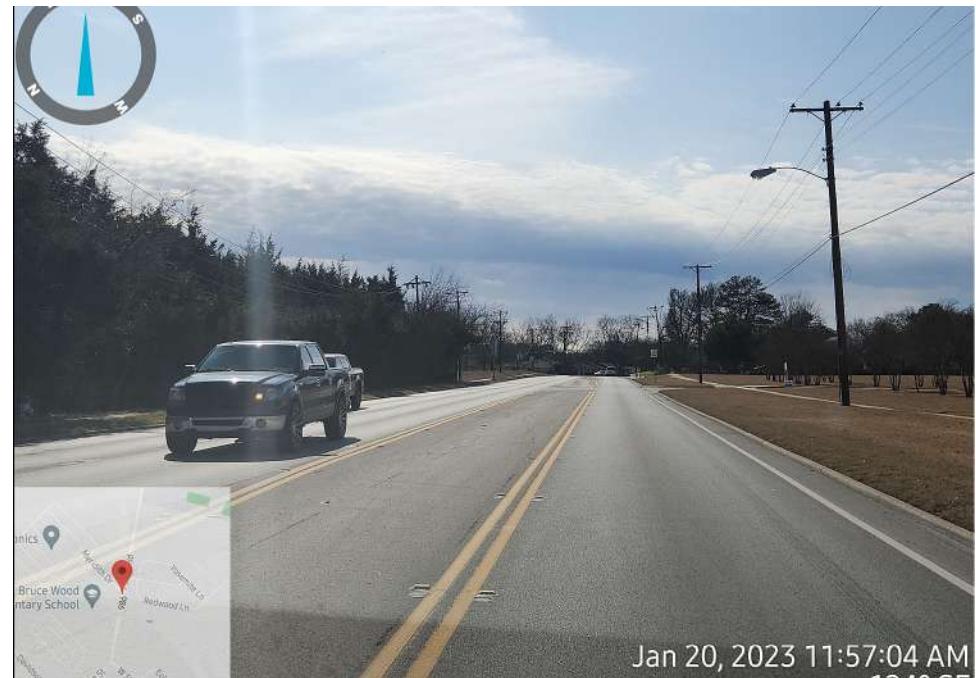
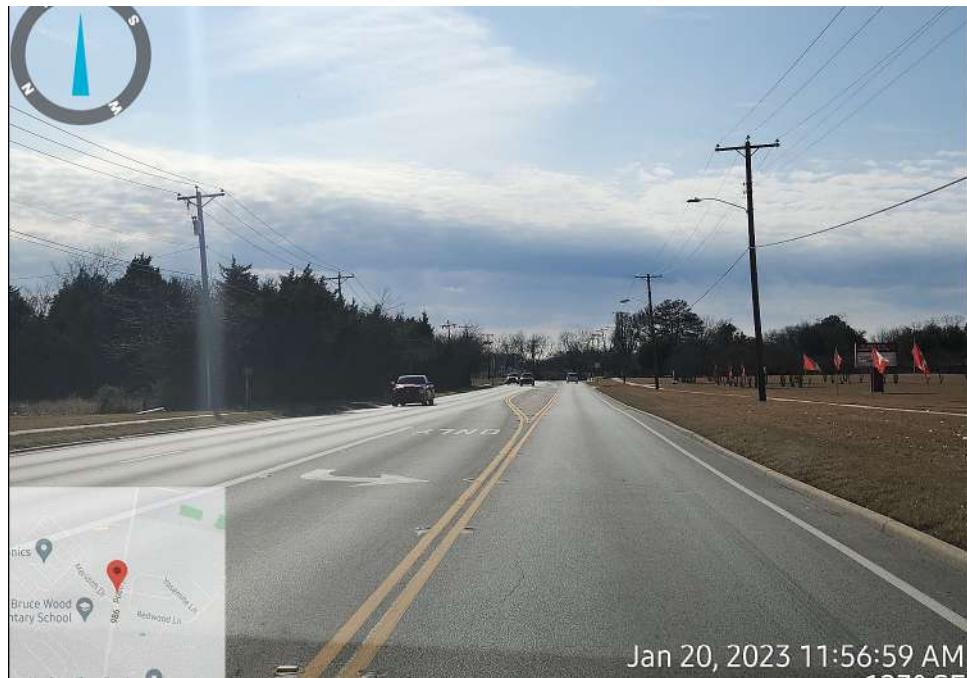
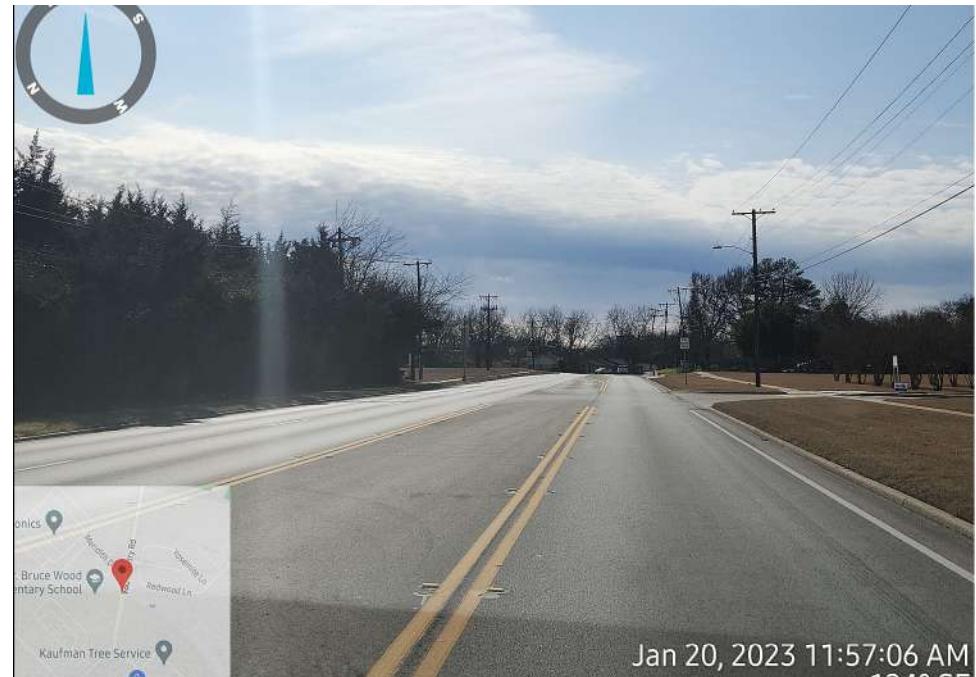
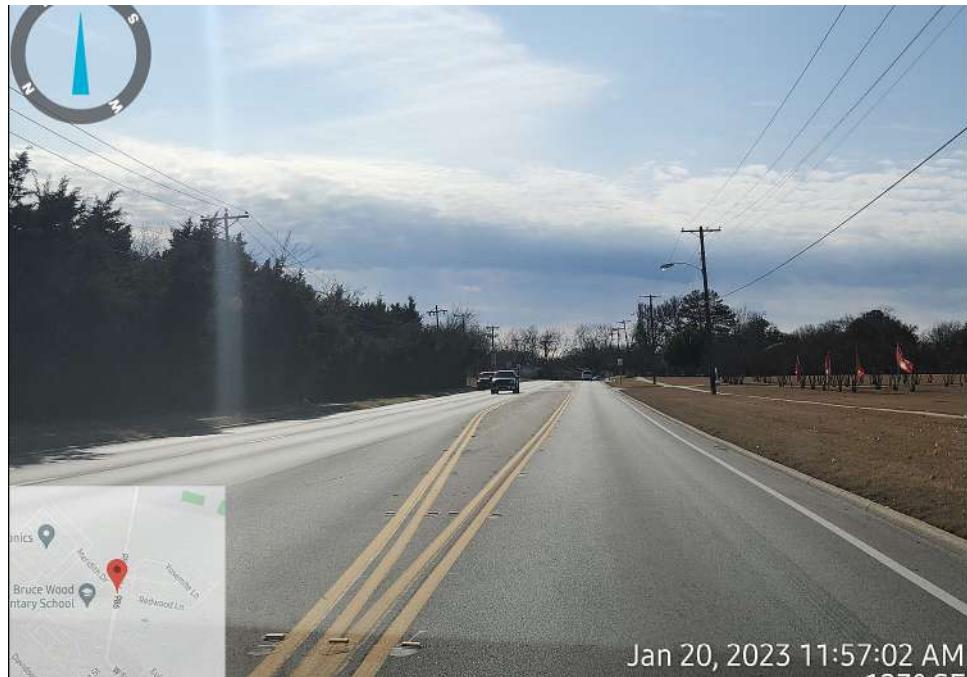


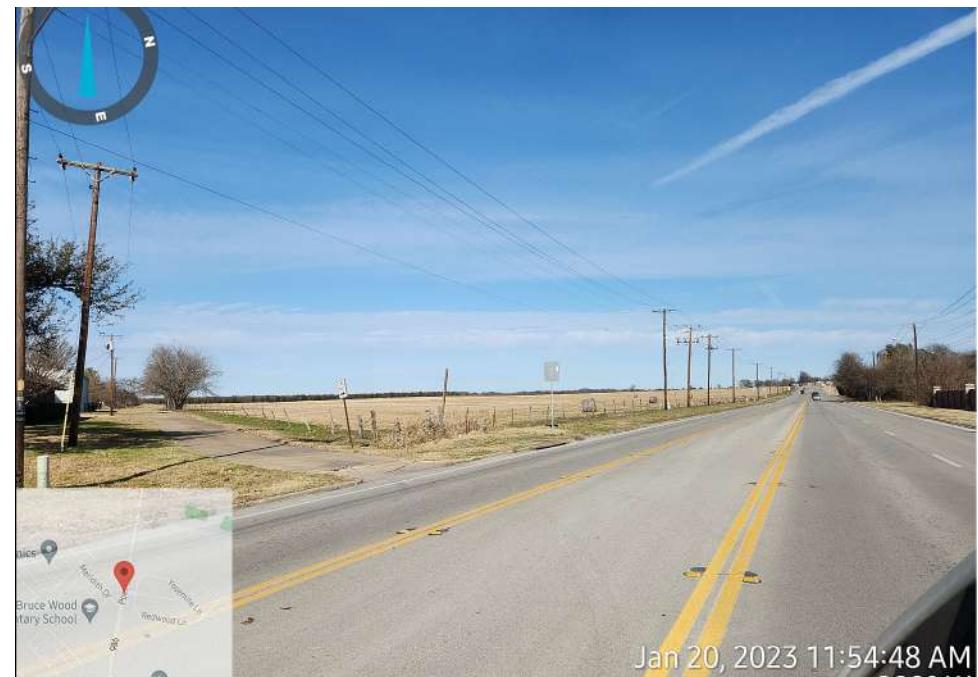
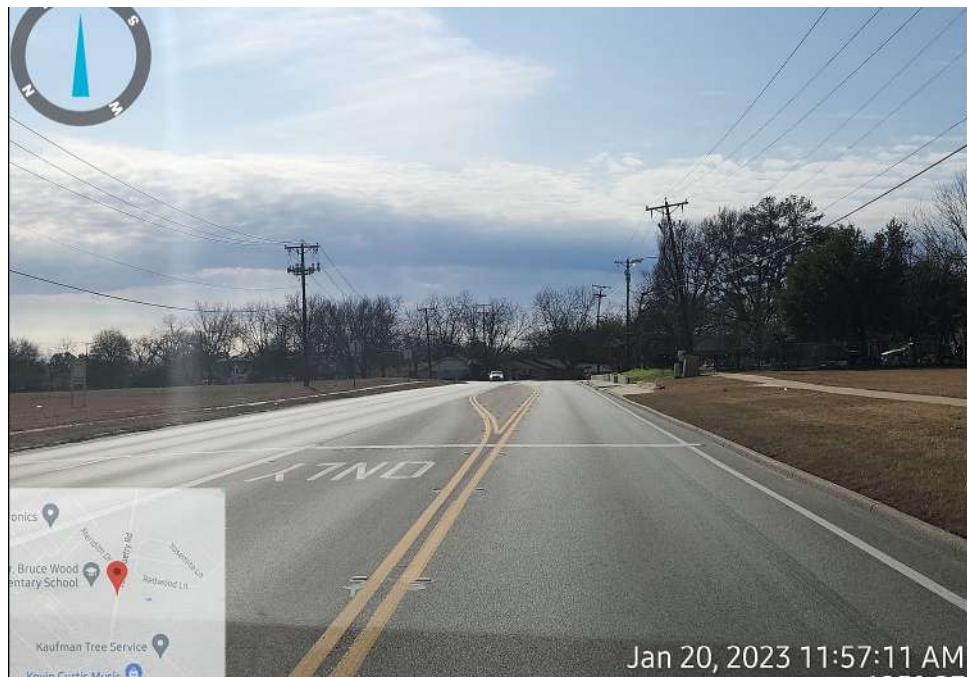
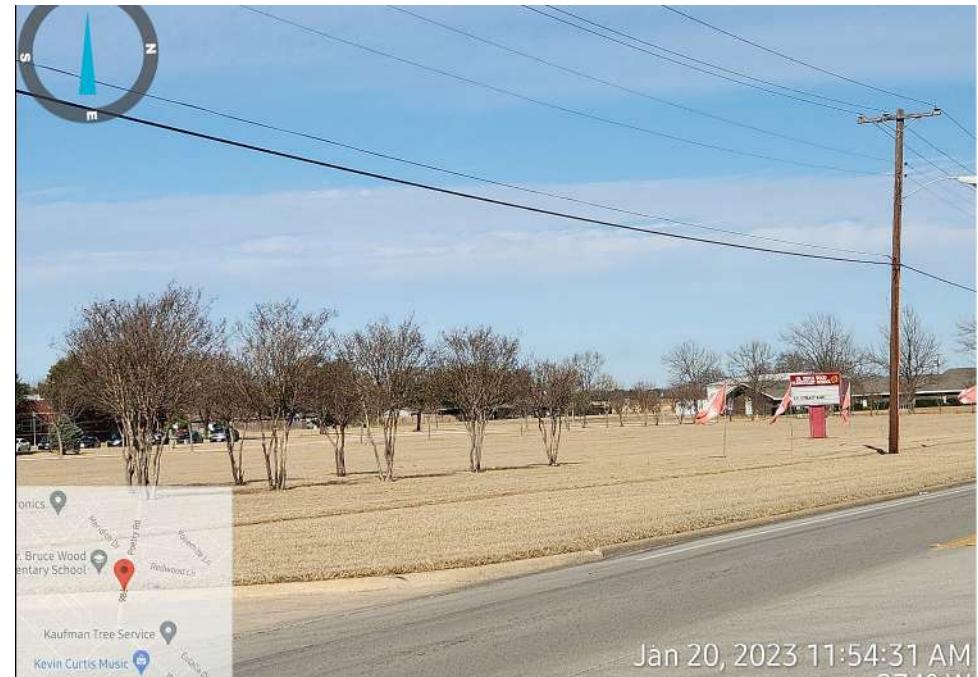
# Pictures

Taken by Lisette Howard  
- 1/20/23









## Terrell CDV21-0329 Cross Country Site Pictures



## Terrell CDV21-0329 Cross Country Site Pictures



# On-Site Checklist

## Field Observation Report

**Project Name:** Terrell - Poetry Road

**ERR #:** CDV21-0329

**Date of Field Visit:** 01/20/2023

### General Information

County	Kaufman
City	Terrell
GPS Site Location	32.756167, -96.284109

### Ecological Site Information

General site description (residential, commercial, forested, grassland, etc.):

Residential/Commercial

Water bodies present? If yes, describe (pond, lake, creek, river, wetland, etc.):

None

Special or unique vegetation features?

Trees/Vegetation on East Side of Road

Special wildlife habitat?

None

Observed wildlife:

Birds

National, state, or locally designated park or natural reserve at, or adjacent to, project site?

None

### Hazardous Material Issues

Yes/No	Does the project include any of the following activities (indicate all that apply)?
No	Structure demolition operations or structure modifications.
No	If yes, is there potential for the building to contain asbestos or lead-based paint?
Yes	Pipeline and underground utility installation or adjustments.
No	De-watering.
No	Purchase of new ROW or easement.
Yes	Trenching, drilled shafts, cuts or other excavations.

### Project Site Survey

(Yes/No)	Specific concerns identified on, or adjacent to, project area:
No	aboveground storage tanks
No	underground storage tanks

No	vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground
No	electrical and transformer equipment
No	If yes, are there signs of leaking transformers oil (PCBs) on the ground?
No	injection wells, cisterns, sumps, dry wells flooring, drains, or walls stained by substances other than water or emitting foul odors
No	vats, 55-gallon drums (labeled/unlabeled), canisters, barrels, bottles, etc.
No	surface dumping of trash, garbage, refuse, rubbish, debris half exposed/buried, landfill, stockpiling, storage, etc.
No	damaged or discarded automotive or industrial batteries
No	stained, discolored, barren, exposed or foreign (fill) soil
No	dead, damaged or stressed vegetation
No	oil sheen or films on surface water, seeps, lagoons, ponds, or drainage basins
No	pits, ponds, or lagoons associated with waste treatment or waste disposal
No	changes in drainage patterns from possible fill areas
No	security fencing, protected areas, placards, warning signs
No	dead animals possibly due to contamination
No	other concerns (Describe below):
<b>Miscellaneous Observations</b>	
<b>(Yes/No)</b>	<b>Other compliance factors identified on, or adjacent to, project area:</b>
No	Historic age buildings
No	Refineries
No	Airports, runway strips
Yes	Educational facilities
Yes	Commercial facilities
No	Healthcare facilities
No	Social services facilities

**Describe any “Yes” answers indicated above:**

Middle School and Church, Previous ground disturbance, including underground cables/pipelines

**Any additional information:**

None

Lisette Howard

Lisette Howard

Project Manager

Public Management, Inc.

01/20/2023

Date

## Field Observation Report

**Project Name:** Terrell - Water line Cross Country Tanger to I20

**ERR #:** CDV21-0329

**Date of Field Visit:** 01/20/2023

### General Information

County	Kaufman
City	Terrell
GPS Site Location	32.698431, -96.273247

### Ecological Site Information

General site description (residential, commercial, forested, grassland, etc.):

Commercial

Water bodies present? If yes, describe (pond, lake, creek, river, wetland, etc.):

None

Special or unique vegetation features?

Open Grass Field

Special wildlife habitat?

None

Observed wildlife:

None

National, state, or locally designated park or natural reserve at, or adjacent to, project site?

None

### Hazardous Material Issues

Yes/No	Does the project include any of the following activities (indicate all that apply)?
No	Structure demolition operations or structure modifications.
No	If yes, is there potential for the building to contain asbestos or lead-based paint?
No	Pipeline and underground utility installation or adjustments.
No	De-watering.
Yes	Purchase of new ROW or easement.
No	Trenching, drilled shafts, cuts or other excavations.

### Project Site Survey

(Yes/No)	Specific concerns identified on, or adjacent to, project area:
No	aboveground storage tanks
Yes	underground storage tanks

No	vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground
No	electrical and transformer equipment
No	If yes, are there signs of leaking transformers oil (PCBs) on the ground?
No	injection wells, cisterns, sumps, dry wells flooring, drains, or walls stained by substances other than water or emitting foul odors
No	vats, 55-gallon drums (labeled/unlabeled), canisters, barrels, bottles, etc.
No	surface dumping of trash, garbage, refuse, rubbish, debris half exposed/buried, landfill, stockpiling, storage, etc.
No	damaged or discarded automotive or industrial batteries
No	stained, discolored, barren, exposed or foreign (fill) soil
No	dead, damaged or stressed vegetation
No	oil sheen or films on surface water, seeps, lagoons, ponds, or drainage basins
No	pits, ponds, or lagoons associated with waste treatment or waste disposal
No	changes in drainage patterns from possible fill areas
No	security fencing, protected areas, placards, warning signs
No	dead animals possibly due to contamination
No	other concerns (Describe below):
<b>Miscellaneous Observations</b>	
<b>(Yes/No)</b>	<b>Other compliance factors identified on, or adjacent to, project area:</b>
No	Historic age buildings
No	Refineries
Yes	Airports, runway strips
No	Educational facilities
Yes	Commercial facilities
No	Healthcare facilities
No	Social services facilities

**Describe any “Yes” answers indicated above:**

Commercial Area, Adjacent Hotel and Gas Station with underground storage tanks, Terrell Municipal Airport Runway across I-20 Highway (approx 2000 linear feet), Anticipated easement acquisition

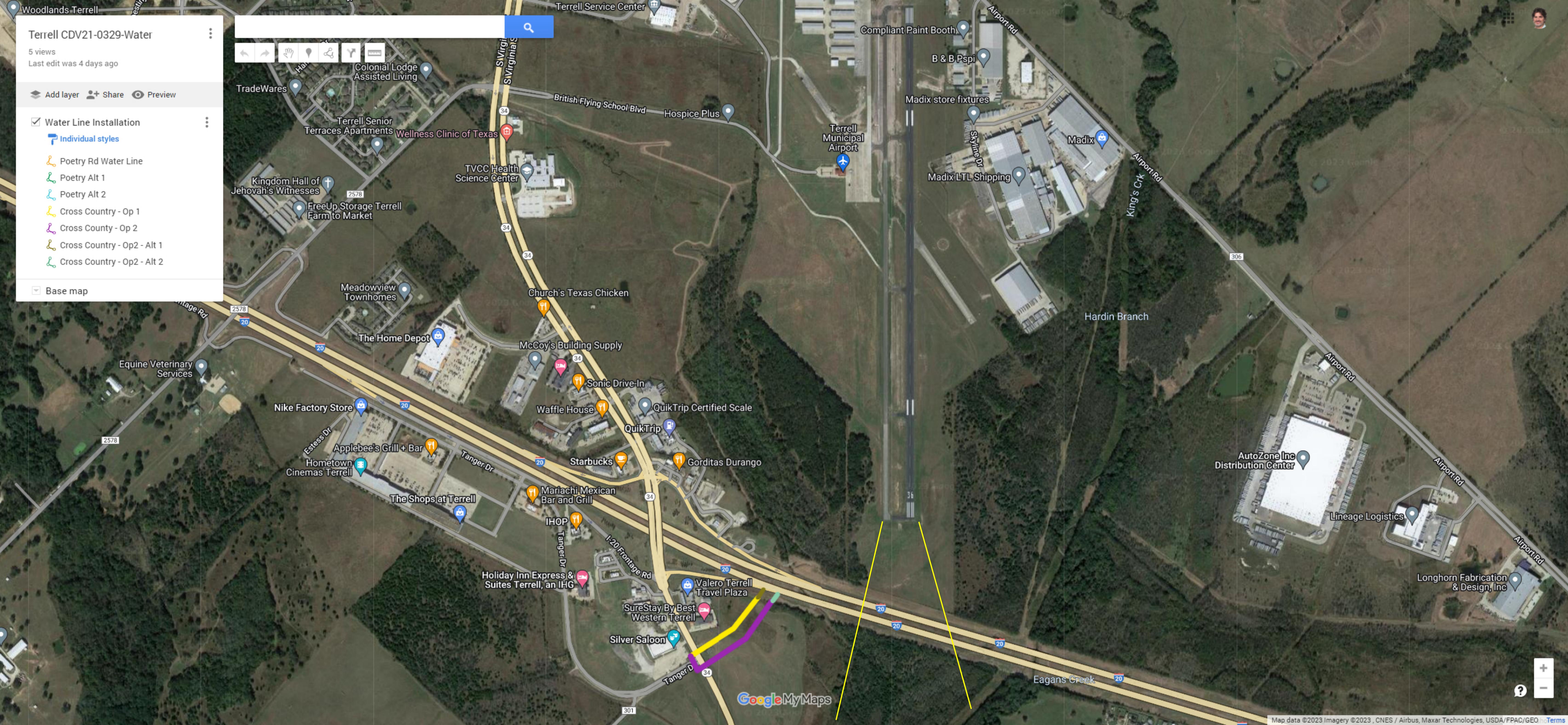
**Any additional information:**

Lisette Howard  
Lisette Howard  
Project Manager  
Public Management, Inc.

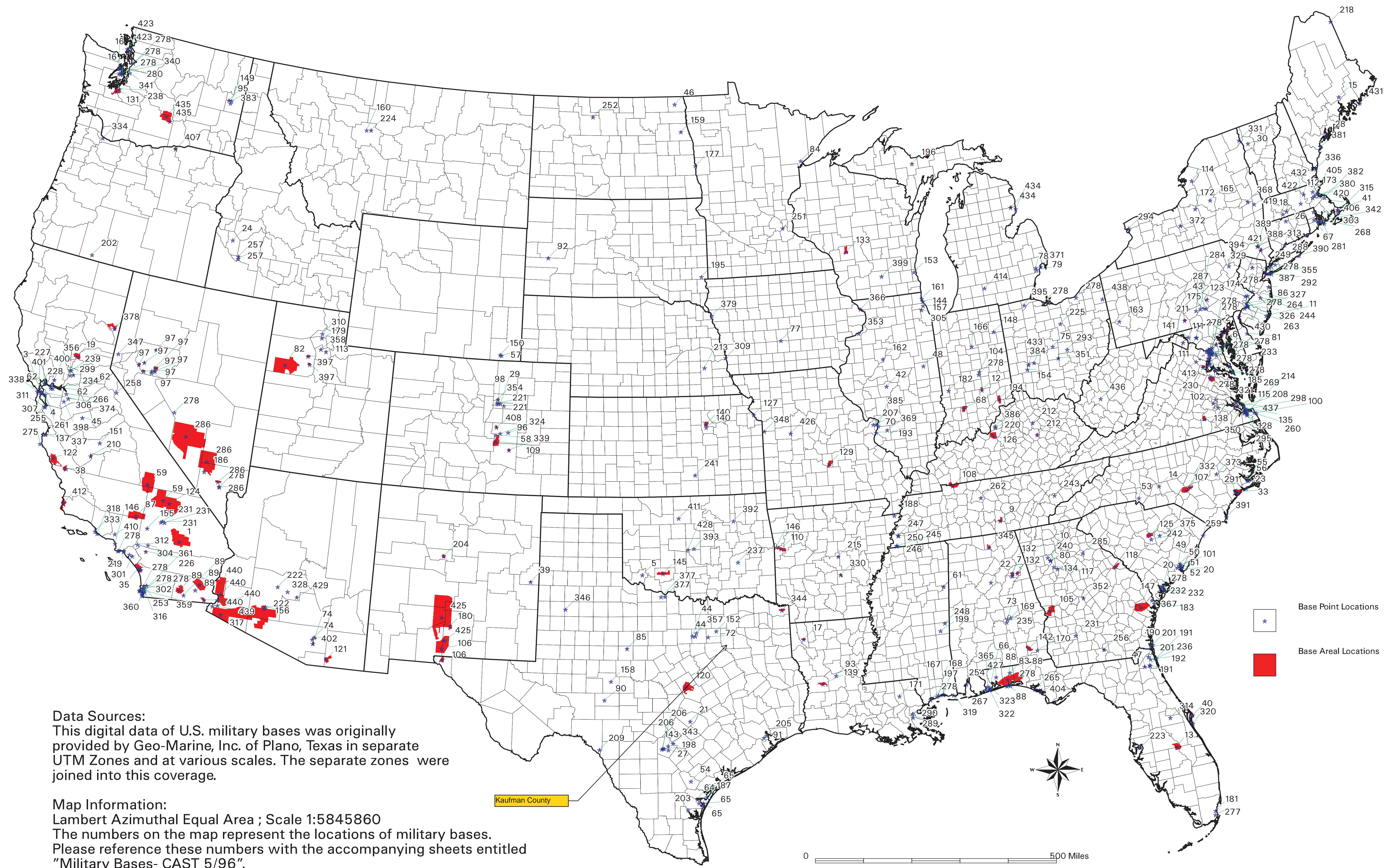
01/20/2023  
Date

# **COMPLIANCE CHECKLIST BACKUP**

# Airport Hazards



# Military Bases in the Continental United States

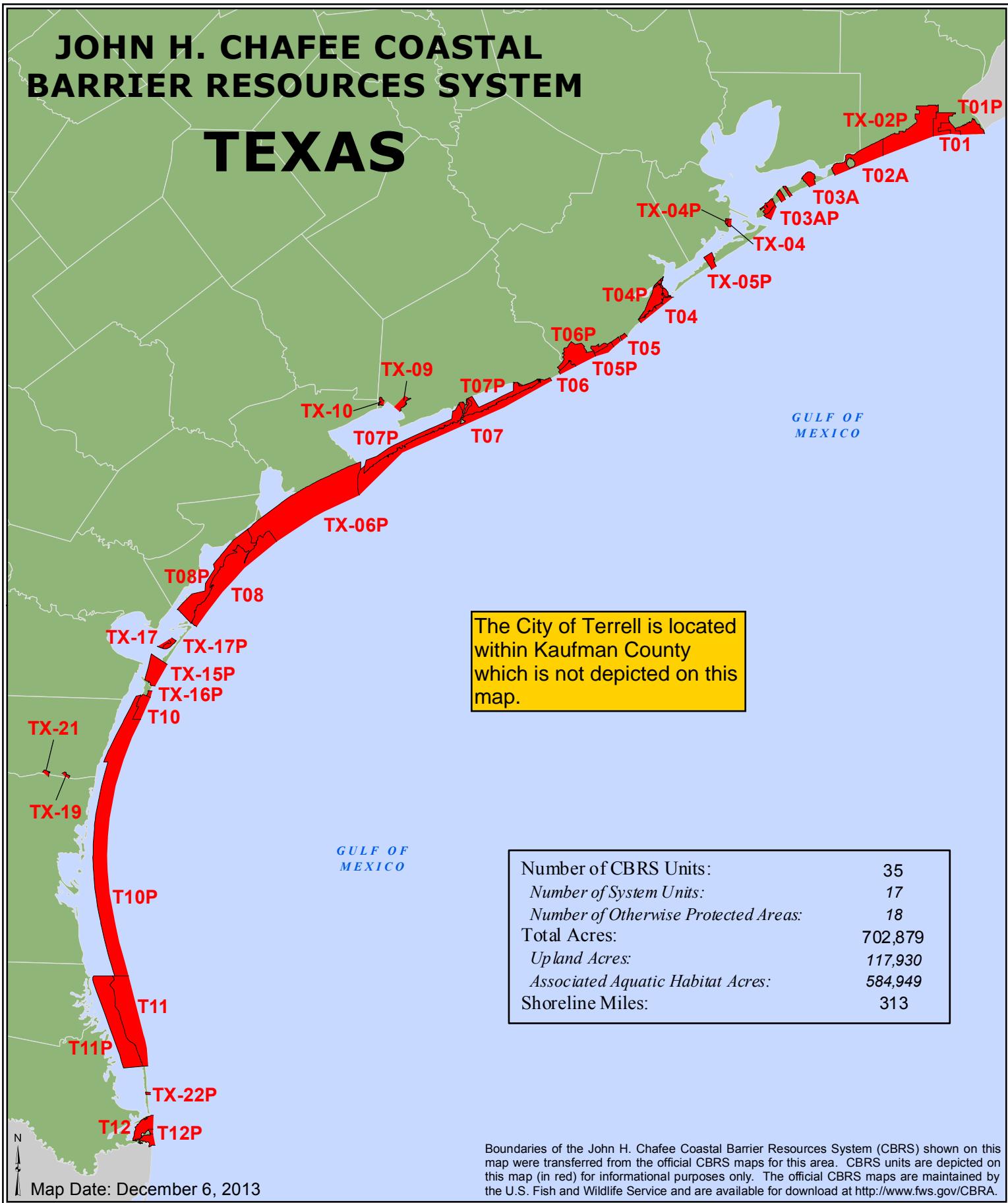




# Coastal Barriers

# JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

# TEXAS



# Flood Insurance

# Federal Emergency Management Agency

## Community Status Book Report

### TEXAS

#### Communities Participating in the National Flood Program

CID	Community Name	County	Init FHB Identified	Init FIRM Identified	Curr Eff Map Date	Reg-Emer Date	Tribal
481633#	STAR HARBOR, CITY OF  The City of Star Harbor has adopted panels of the Henderson County Map.	HENDERSON COUNTY		09/27/91	04/05/10	04/28/10	No
480575#	STARR COUNTY*	STARR COUNTY	11/01/74	07/01/87	04/19/10(M)	07/01/87	No
481244A	STEPHENS COUNTY *	STEPHENS COUNTY	12/11/81	01/02/91	04/05/19	01/02/91	No
480220#	STEPHENVILLE, CITY OF	ERATH COUNTY	06/28/74	07/05/77	11/16/11	07/05/77	No
480579	STERLING CITY, CITY OF	STERLING COUNTY	05/24/74	08/01/87	08/01/87(L)	08/01/87	No
481245	STERLING COUNTY *	STERLING COUNTY				03/06/00(E)	No
480673#	STOCKDALE, CITY OF	WILSON COUNTY	05/31/74	03/01/78	11/26/10	03/01/78	No
481246	STONEWALL COUNTY *	STONEWALL COUNTY				12/01/00(E)	No
480965B	STRAWN, CITY OF	PALO PINTO COUNTY	07/16/76	11/01/89	04/05/19	11/01/89	No
480234#	SUGAR LAND, CITY OF  INCLUDES FT. BEND COUNTY WATER CONTROL and IMPROVEMENT DISTRICT #4	FORT BEND COUNTY	05/31/74	11/04/81	04/02/14	11/04/81	No
480909#	SULLIVAN CITY, CITY OF	HIDALGO COUNTY		01/02/81	01/02/81	05/11/12	No
480358#	SULPHUR SPRINGS, CITY OF	HOPKINS COUNTY	02/01/74	12/15/89	03/17/11	12/15/89	No
480355	SUNDOWN,CITY OF	HOCKLEY COUNTY	04/12/74	08/01/87	08/01/87(L)	08/01/87	No
480188#	SUNNYVALE, TOWN OF	DALLAS COUNTY	06/28/74	02/01/80	07/07/14	02/01/80	No
480492	SUNRAY, CITY OF	MOORE COUNTY	05/24/74	01/03/86	01/03/86(M)	01/03/86	No
481531#	SUNRISE BEACH VILLAGE, CITY OF	LLANO COUNTY	06/19/79	09/27/91	05/02/12	09/27/91	No
481127#	SUNSET VALLEY, CITY OF	TRAVIS COUNTY	11/05/76	03/01/79	09/26/08	03/01/79	No
481266#	SURFSIDE BEACH, CITY OF	BRAZORIA COUNTY		05/08/71	09/22/99	06/10/77	No
481247#	SUTTON COUNTY*	SUTTON COUNTY	06/24/80	09/01/87	09/01/87(L)	09/01/87	No
485512#	SWEENEY, CITY OF	BRAZORIA COUNTY		12/23/71	09/22/99	12/17/71	No
480502#	SWEETWATER, CITY OF	NOLAN COUNTY	10/18/74	06/19/89	06/19/89	05/05/81	No
481010	SWISHER COUNTY*	SWISHER COUNTY	12/13/77	07/01/87	07/01/87(L)	07/01/87	No
481506B	TAFT, CITY OF	SAN PATRICIO COUNTY		11/04/16	11/04/16(M)	11/04/16	No
480454	TAHOKA, CITY OF	LYNN COUNTY	05/10/74	10/15/85	10/15/85(M)	10/15/85	No
480468#	TALTY, TOWN OF	KAUFMAN COUNTY		07/03/12	07/03/12	01/06/10	No
	The enrollment package references the Kauffman county map 480411. PDS						
480582B	TARRANT COUNTY*	TARRANT COUNTY	02/07/75	08/04/87	03/21/19	08/04/87	No
480995#	TATUM, CITY OF	PANOLA COUNTY/RUSK COUNTY	07/11/75	04/17/85	09/29/10(M)	04/17/85	No
481014#	TAYLOR COUNTY*	TAYLOR COUNTY	11/29/77	06/01/87	01/06/12	06/01/87	No
485513G	TAYLOR LAKE VILLAGE, CITY OF	HARRIS COUNTY	11/17/70	12/31/74	01/06/17	11/13/70	No
481698#	TAYLOR LANDING, CITY OF  Taylor Landing adopted Jefferson County FIRM Index 480385 dated 08/06/2002, panel 4803850270C and 4803850385C dated 08/06/2002, and 4803850425C dated 04/02/1992.	JEFFERSON COUNTY		08/06/02	08/06/02	11/14/08	No
480670B	TAYLOR, CITY OF	WILLIAMSON COUNTY	03/29/74	03/01/82	12/20/19	03/01/82	No
480236	TEAGUE, CITY OF	FREESTONE COUNTY	02/06/76		(NSFHA)	10/28/77	No
480034#	TEMPLE, CITY OF	BELL COUNTY	11/08/77	01/19/83	09/26/08	01/19/83	No
481006	TENAHA, CITY OF	SHELBY COUNTY	07/30/76	07/03/85	07/03/85(M)	07/03/85	No
480619#	TERRELL COUNTY*	TERRELL COUNTY	08/16/74	09/01/87	09/01/87(L)	09/01/87	No
480048#	TERRELL HILLS, CITY OF	BEXAR COUNTY	05/17/74	01/16/81	09/29/10	01/16/81	No
480416#	TERRELL, CITY OF	KAUFMAN COUNTY	12/20/74	09/30/80	07/03/12	09/30/80	No

# **STATUTORY CHECKLIST BACKUP**

**Clean Air**

Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Toby Baker, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

September 23, 2021

Leslie Bradley  
Acting Regional Administrator  
U.S. Department of Housing and Urban Development  
Fort Worth Regional Office  
307 W. 7th St., Suite 1000  
Fort Worth, TX 76102

Subject: Finding on Air Quality General Conformity Review

Dear Leslie Bradley:

General conformity regulations in 40 Code of Federal Regulations (CFR) Part 93, Subpart B, and United States Environmental Protection Agency (EPA) guidance,<sup>1</sup> allow a federal agency to determine that an action is exempt from general conformity requirements if it concludes the action to be *de minimis* based on comparison to a previous project that is similar in size and scope to the proposed action and for which an emissions analysis was completed. General conformity *de minimis* thresholds in 40 CFR §93.153(b)(1) are based on criteria pollutant and classification, with lower thresholds associated with higher nonattainment classifications. As of September 23, 2021, the Dallas-Fort Worth (DFW) and Houston-Galveston-Brazoria (HGB) ozone nonattainment areas are classified as serious for the 2008 eight-hour ozone National Ambient Air Quality Standard (NAAQS) (84 FR 44238). The general conformity *de minimis* threshold for this classification is 50 tons per year (tpy) of nitrogen oxides (NO<sub>x</sub>) or volatile organic compounds (VOC) emissions, which is currently the lowest general conformity *de minimis* threshold for any ozone nonattainment area in Texas.

The Texas Commission on Environmental Quality (TCEQ) reviewed a list of historical projects determined by the United States Department of Housing and Urban Development (HUD) Region VI to be categorically similar to HUD-funded projects to assess the methodologies used to calculate NO<sub>x</sub> and VOC emissions. Attachment A: *Finding on Air Quality General Conformity Review* comprises a list of the historical projects found by the TCEQ to contain adequate emissions analysis documentation. The TCEQ finds that proposed HUD-funded projects in Texas, including projects that qualify under 24 CFR §58.35 as categorical exclusions, that are categorically similar to the historical projects listed in Attachment A and that are comparable or smaller in scope and size are not expected to exceed the 50 tpy *de minimis* threshold for serious ozone nonattainment areas.

The TCEQ provides this finding to assist HUD's review of future potential projects. However, it is a federal agency's responsibility to comply with the National Environmental Policy Act and federal general conformity requirements. This finding applies solely to general conformity determinations regarding ozone and is valid until September 23, 2023 or until a final EPA action invalidates the finding. Additionally, the EPA is expected to reclassify the HGB and DFW nonattainment areas to severe for the 2008 eight-hour ozone NAAQS. The historical projects in Attachment A are grouped according to those with estimated NO<sub>x</sub> and/or VOC emissions less than 50 tpy but greater than or equal to 25 tpy, and those less than 25 tpy. These groupings

<sup>1</sup> See Section 3.2 *Emissions Calculations* of the EPA's "General Conformity Training Modules," <https://www.epa.gov/general-conformity/general-conformity-training-modules>, accessed August 31, 2021.  
P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • tceq.texas.gov

Leslie Bradley  
Page 2  
September 23, 2021

indicate which historical projects may be applicable for severe ozone nonattainment areas. When expired or invalidated by EPA action, the finding and project categories and historical analyses included in Attachment A will be re-evaluated.

If you have questions concerning this finding, please contact Jamie Zech at [jamie.zech@tceq.texas.gov](mailto:jamie.zech@tceq.texas.gov) or (512) 239-3935.

Sincerely,



Donna F. Huff, Deputy Director  
Air Quality Division  
Texas Commission on Environmental Quality

Attachment

cc: David W. Gray, U.S. Environmental Protection Agency Region 6 Acting Administrator

## **Attachment A:** **Finding on Air Quality General Conformity Review**

The following is a list of historical projects for use by Region VI of the United States Department of Housing and Urban Development (HUD) to determine whether projects in Texas would be considered by the Texas Commission on Environmental Quality (TCEQ) to be *de minimis* for air quality general conformity purposes. The projects are grouped according to HUD project type and estimated emissions.

It is a federal agency's responsibility to comply with the National Environmental Policy Act and federal general conformity requirements.

### **WATER/WASTEWATER IMPROVEMENTS**

#### **NO<sub>x</sub> and VOC < 50 tpy and ≥ 25 tpy**

None listed

#### **NO<sub>x</sub> and VOC < 25 tpy**

Palos Verdes Recycled Water Pipeline Project, 2017, <https://www.westbasin.org/wp-content/uploads/2017/09/9-22-17-PV-Pipeline-Project-Notice-and-CEQA-Study-PDF.pdf>, accessed July 29, 2021.

Sacramento Regional County Sanitation District's South Sacramento County Agriculture and Habitat Lands Recycled Water Program, 2017, [https://www.regionalsan.com/sites/main/files/file-attachments/feir\\_southcountyag\\_2-10-2017002\\_0\\_0.pdf](https://www.regionalsan.com/sites/main/files/file-attachments/feir_southcountyag_2-10-2017002_0_0.pdf), accessed July 29, 2021.

Las Vegas Paiute Tribe Snow Mountain Reservation Public Water System Improvement Project, 2017, [https://www.epa.gov/sites/production/files/2017-08/documents/environmental\\_assessment\\_for\\_the\\_las\\_vegas\\_paiute\\_tribe\\_snow\\_mountain\\_reservation\\_public\\_water\\_system\\_improvement\\_project.pdf](https://www.epa.gov/sites/production/files/2017-08/documents/environmental_assessment_for_the_las_vegas_paiute_tribe_snow_mountain_reservation_public_water_system_improvement_project.pdf), accessed July 29, 2021.

Bay Bridge Pump Station and Force Mains Replacement Project (Project No. SP-178), 2017, <https://www.ocsd.com/Home/ShowDocument?id=19600>, accessed July 29, 2021.

### **FLOOD AND DRAINAGE IMPROVEMENTS**

#### **NO<sub>x</sub> and VOC < 50 tpy and ≥ 25 tpy**

Alamo Creek and Ulatis Creek Detention Basins Project (SCH No. 2010022023), 2011, <https://www.ci.vacaville.ca.us/departments/public-works/flood-control-storm-information/alamo-creek-and-ulatis-creek-detention-basins-project>, accessed July 29, 2021.

#### **NO<sub>x</sub> and VOC < 25 tpy**

Termino Avenue Drain Project (SCH No. 2000111022), 2008, [http://www.ladpw.org/pdd/reports/Termino\\_EIR08\\_Final.pdf](http://www.ladpw.org/pdd/reports/Termino_EIR08_Final.pdf), accessed July 29, 2021.

Fagatogo Stormwater Modification, American Samoa Disaster Relief Office (FEMA-1506-DR-AS, HMGP #1506-4), 2008, <https://www.hSDL.org/?view&did=484703>, accessed July 29, 2021.

### **STREET IMPROVEMENTS**

#### **NO<sub>x</sub> and VOC < 50 tpy and ≥ 25 tpy**

None listed

#### **NO<sub>x</sub> and VOC < 25 tpy**

Century Boulevard Extension Project Between Grape Street and Alameda Street, City of Los Angeles (CML-5006(810)), 2016, <http://eng2.lacity.org/techdocs/emg/docs/CenturyBoulevardExtension/EnvironmentalAssessment.pdf>, accessed July 29, 2021.

Period of Applicability: 09/23/21 to 09/23/23

## **PUBLIC FACILITIES**

### **NO<sub>x</sub> and VOC < 50 tpy and ≥ 25 tpy**

None listed

### **NO<sub>x</sub> and VOC < 25 tpy**

Los Angeles Department of Water and Power West Los Angeles District Headquarters Administration Building, 2005,  
[https://www.ladwp.com/cs/idcplg?IdcService=GET\\_FILE&dDocName=LADWP004459&RevisionSelectionMethod=LatestReleased](https://www.ladwp.com/cs/idcplg?IdcService=GET_FILE&dDocName=LADWP004459&RevisionSelectionMethod=LatestReleased), accessed July 29, 2021.

Hollywood-La Kretz Customer Service and Community Center Project, 2011,  
[https://www.ladwp.com/cs/idcplg?IdcService=GET\\_FILE&dDocName=LADWP003782&RevisionSelectionMethod=LatestReleased](https://www.ladwp.com/cs/idcplg?IdcService=GET_FILE&dDocName=LADWP003782&RevisionSelectionMethod=LatestReleased), accessed July 29, 2021.

## **HOUSING**

### **NO<sub>x</sub> and VOC < 50 tpy and ≥ 25 tpy**

13-Lot Residential Development (APN 224-142-01) and Annexation, Escondido, California, 2014,  
[https://www.escondido.org/Data/Sites/1/media/PDFs/Planning/Pickering/Initial%20Study-MNDPickering2ResidentialAnnexationProject2014-06-17\(Final\).pdf](https://www.escondido.org/Data/Sites/1/media/PDFs/Planning/Pickering/Initial%20Study-MNDPickering2ResidentialAnnexationProject2014-06-17(Final).pdf), accessed July 29, 2021.

### **NO<sub>x</sub> and VOC < 25 tpy**

Reseda Boulevard Mixed-Use Project, City of Los Angeles (Case No. ENV-2015-3703-MND), 2018,  
<http://planning.lacity.org/StaffRpt/InitialRpts/CPC-2015-3702.PDF>, accessed July 29, 2021.

The Alexan Project, City of Los Angeles (Case No. ENV-2006-6302-MND-REC 1), 2016,  
<http://planning.lacity.org/StaffRpt/MND/ENV-2006-6302-MND-REC1.pdf>, accessed July 29, 2021.

Sepulveda LLC Apartments Project, City of Los Angeles (Case No. ENV-2016-2752-MND), 2016,  
<https://planning.lacity.org/StaffRpt/InitialRpts/CPC-2016-2751.PDF>, accessed July 29, 2021.

Morgan Knolls Subdivision, Placer County, California, 2018,  
<https://www.placer.ca.gov/DocumentCenter/View/32554/Morgan-Knolls-Tentative-Subdivision-Map-and-Variance---Extension-of-Time-20130316-PDF>, accessed July 29, 2021.

Quail Cove Subdivision Project, Antioch, California, 2018,  
<https://www.antiochca.gov/fc/community-development/planning/QuailCove/QuailCoveISMND.pdf>, accessed July 29, 2021.

## Finding on Air Quality General Conformity Review Summary of Projects

Valid Sept. 23, 2019-Sept. 23, 2021

Projects	Project Summary
<b>Water/Wastewater Improvements</b>	
Palos Verdes Recycled Water Pipeline Project, 2017	Extending an existing water pipeline 20,000 linear feet to provide service to additional facilities, additional laterals to other facilities, a new 100 hp booster pump station
Sacramento Regional County Sanitation District's South Sacramento County Agriculture and Habitat Lands Recycled Water Program, 2017	Installation of 13.8 miles of transmission pipelines and distribution mains, and an undetermined length of service lateral connections.
Las Vegas Paiute Tribe Snow Mountain Reservation Public Water System Improvement Project, 2017	Installation of a new well, water tank, pump, shut off valves, connection piping, and other essential system components
Bay Bridge Pump Station and Force Mains Replacement Project, 2017	Replacement of the existing pump station and force mains
Regional Salinity Management Project - Hueneme Outfall Replacement Project, 2007	Installation and operation of approximately 2 miles of 48-inch diameter pipeline using traditional trenching methods and replacement of outfall structure
<b>Flood and Drainage Improvements</b>	
Termino Avenue Drain Project, 2008	Construction of a storm drain mainline, six lateral drains, low flow treatment pump station, catch basin screens and an outlet.
Fagatogo Stormwater Modification, American Samoa Disaster Relief Office, 2019	Excavation and installation of box drains and culverts, placement of riprap and/or gabions, installation of trench drains.
Wildwood Creek Detention Basins, City of Yucaipa, 2007	Construction of one desilting basin, two detention basins, and a natural bottom channel on approx 20-25 acres.
Alamo Creek and Ulatis Creek Detention Basins Project, 2011	Construction of a detention basin on approx 77 acres, inlet and outfall structures, berms, emergency spillway, an access road, two parking areas, perimeter fencing and gates.
Lawton Interceptor Protection, City of Reno, 2010	River bank stabilazation and installation of a refusal trench parallel to the existing sewer line.
<b>Street Improvements</b>	
Century Boulevard Extension Project Between Grape Street and Alameda Street, City of Los Angeles	Extension of Century Boulevard approx 2600 feet including instersecting streets. The street would include one lane in each direction, parking lanes along the street, dedicated bike lane in each direction, landscaped parkways and pedestrian amenities.

<b>Public Facilities</b>	
Los Angeles Department of Water and Power West Los Angeles District Headquarters, Administration Building, 2005	Demolition and removal of the existing asphalt parking lot and construction of a new two-story administration building.
Hollywood-La Kretz Customer Service and Community Center Project, 2011	Demolition of the existing structures and construction of a new customer service and community center. The new facility would be a one story building with a customer payment center/waiting area, office area, community center, offices for staff, public restrooms, courtyard with water feature, exterior lighting, and landscaping.
<b>Housing</b>	
Reseda Boulevard Mixed-Use Project, City of Los Angeles, 2018	Demolition of the existing Post Office, surface parking lot and landscaping for the construction of a 4 story mixed-use development with 128 residential units, 5,725 square-feet of ground floor commercial uses, 240 subterranean parking spaces and 157 bike spaces.
The Alexan Project, City of Los Angeles, 2016	Construction of a 27-story mixed-use highrise with up to 305 residential units, 3500 sq ft of restaurant uses, 2671 sq ft of retail uses, and 336 parking spaces.
Sepulveda LLC Apartments Project, City of Los Angeles, 2016	Demolition of a former commercial plant nursery and associated parking for the construction of a multi-story residential apartment complex. The project includes 364 dwelling units, 557 parking spaces and 405 bike parking spaces.
Morgan Knolls Subdivision, Placer County, California, 2018	Development of a 16.4 acre project site for a residential subdivision with 61 single family lots. Homes constructed will be both one and two story single-family homes.
Quail Cove Subdivision Project, Antioch, California, 2018	Development of a 5.59-acre vacant parcel as a 30 lot single-family residential subdivision with associated infrastructure and connections to water, sewer, storm drainage, electricity, natural gas service, communications, and City circulation system.
13-Lot Residential Development (APN 224-142-01) and Annexation, Escondido, California, 2014	Development of approximately 5.7 acres and demolition of one single-family dwelling and related storage structures for the construction of a 13-lot single family residential subdivision.



You are here: EPA Home > Green Book > National Area and County-Level Multi-Pollutant Information > Texas Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

## Texas Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

Data is current as of December 31, 2019

Listed by County, NAAQS, Area. The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

\* The 1997 Primary Annual PM-2.5 NAAQS (level of 15  $\mu\text{g}/\text{m}^3$ ) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. (81 FR 58009)

Change the State:

TEXAS

Important Notes

Download National Dataset: [dbf](#) | [xls](#) | [Data dictionary \(PDF\)](#)

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Cl
<b>TEXAS</b>					
Anderson County	Sulfur Dioxide (2010)	Freestone and Anderson Counties, TX	17 18 19	//	
Bexar County	8-Hour Ozone (2015)	San Antonio, TX	18 19	//	
Brazoria County	1-Hour Ozone (1979)-NAAQS revoked	Houston-Galveston-Brazoria, TX	92 93 94 95 96 97 98 99 00 01 02 03 04	//	
Brazoria County	8-Hour Ozone (1997)-NAAQS revoked	Houston-Galveston-Brazoria, TX	04 05 06 07 08 09 10 11 12 13 14	//	
Brazoria County	8-Hour Ozone (2008)	Houston-Galveston-Brazoria, TX	12 13 14 15 16 17 18 19	//	
Brazoria County	8-Hour Ozone (2015)	Houston-Galveston-Brazoria, TX	18 19	//	
Chambers County	1-Hour Ozone (1979)-NAAQS revoked	Houston-Galveston-Brazoria, TX	92 93 94 95 96 97 98 99 00 01 02 03 04	//	
Chambers County	8-Hour Ozone (1997)-NAAQS revoked	Houston-Galveston-Brazoria, TX	04 05 06 07 08 09 10 11 12 13 14	//	
Chambers County	8-Hour Ozone (2008)	Houston-Galveston-Brazoria, TX	12 13 14 15 16 17 18 19	//	
Chambers County	8-Hour Ozone (2015)	Houston-Galveston-Brazoria, TX	18 19	//	
Collin County	1-Hour Ozone (1979)-NAAQS revoked	Dallas-Fort Worth, TX	92 93 94 95 96 97 98 99 00 01 02 03 04	//	
Collin County	8-Hour Ozone (1997)-NAAQS revoked	Dallas-Fort Worth, TX	04 05 06 07 08 09 10 11 12 13 14	//	

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Cl
Collin County	8-Hour Ozone (2008)	Dallas-Fort Worth, TX	12 13 14 15 16 17 18 19	//	
Collin County	8-Hour Ozone (2015)	Dallas-Fort Worth, TX	18 19	//	
Collin County	Lead (1978)	Collin Co, TX	92 93 94 95 96 97 98		12/13/1999
Collin County	Lead (2008)	Frisco, TX	10 11 12 13 14 15 16		09/27/2017
Dallas County	1-Hour Ozone (1979)-NAAQS revoked	Dallas-Fort Worth, TX	92 93 94 95 96 97 98 99 00 01 02 03 04		//
Dallas County	8-Hour Ozone (1997)-NAAQS revoked	Dallas-Fort Worth, TX	04 05 06 07 08 09 10 11 12 13 14		//
Dallas County	8-Hour Ozone (2008)	Dallas-Fort Worth, TX	12 13 14 15 16 17 18 19		//
Dallas County	8-Hour Ozone (2015)	Dallas-Fort Worth, TX	18 19		//
Denton County	1-Hour Ozone (1979)-NAAQS revoked	Dallas-Fort Worth, TX	92 93 94 95 96 97 98 99 00 01 02 03 04		//
Denton County	8-Hour Ozone (1997)-NAAQS revoked	Dallas-Fort Worth, TX	04 05 06 07 08 09 10 11 12 13 14		//
Denton County	8-Hour Ozone (2008)	Dallas-Fort Worth, TX	12 13 14 15 16 17 18 19		//
Denton County	8-Hour Ozone (2015)	Dallas-Fort Worth, TX	18 19		//
El Paso County	1-Hour Ozone (1979)-NAAQS revoked	El Paso, TX	92 93 94 95 96 97 98 99 00 01 02 03 04		//
El Paso County	Carbon Monoxide (1971)	El Paso, TX	92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07	10/03/2008	M
El Paso County	PM-10 (1987)	El Paso Co, TX	92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19	//	
Ellis County	8-Hour Ozone (1997)-NAAQS revoked	Dallas-Fort Worth, TX	04 05 06 07 08 09 10 11 12 13 14		//
Ellis County	8-Hour Ozone (2008)	Dallas-Fort Worth, TX	12 13 14 15 16 17 18 19		//
Ellis County	8-Hour Ozone (2015)	Dallas-Fort Worth, TX	18 19		//
Fort Bend County	1-Hour Ozone (1979)-NAAQS revoked	Houston-Galveston-Brazoria, TX	92 93 94 95 96 97 98 99 00 01 02 03 04		//
Fort Bend County	8-Hour Ozone (1997)-NAAQS revoked	Houston-Galveston-Brazoria, TX	04 05 06 07 08 09 10 11 12 13 14		//
Fort Bend County	8-Hour Ozone (2008)	Houston-Galveston-Brazoria, TX	12 13 14 15 16 17 18 19		//
Fort Bend County	8-Hour Ozone (2015)	Houston-Galveston-Brazoria, TX	18 19		//
Freestone County	Sulfur Dioxide (2010)	Freestone and Anderson Counties, TX	17 18 19		//

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Cl
Galveston County	1-Hour Ozone (1979)-NAAQS revoked	Houston-Galveston-Brazoria, TX	92 93 94 95 96 97 98 99 00 01 02 03 04 12 13 14 15 16 17 18 19	//	
Galveston County	8-Hour Ozone (1997)-NAAQS revoked	Houston-Galveston-Brazoria, TX	04 05 06 07 08 09 10 11 12 13 14	//	
Galveston County	8-Hour Ozone (2008)	Houston-Galveston-Brazoria, TX	12 13 14 15 16 17 18 19	//	
Galveston County	8-Hour Ozone (2015)	Houston-Galveston-Brazoria, TX	18 19	//	
Hardin County	1-Hour Ozone (1979)-NAAQS revoked	Beaumont-Port Arthur, TX	92 93 94 95 96 97 98 99 00 01 02 03 04	//	
Hardin County	8-Hour Ozone (1997)-NAAQS revoked	Beaumont-Port Arthur, TX	04 05 06 07 08 09	11/19/2010	
Harris County	1-Hour Ozone (1979)-NAAQS revoked	Houston-Galveston-Brazoria, TX	92 93 94 95 96 97 98 99 00 01 02 03 04	//	
Harris County	8-Hour Ozone (1997)-NAAQS revoked	Houston-Galveston-Brazoria, TX	04 05 06 07 08 09 10 11 12 13 14	//	
Harris County	8-Hour Ozone (2008)	Houston-Galveston-Brazoria, TX	12 13 14 15 16 17 18 19	//	
Harris County	8-Hour Ozone (2015)	Houston-Galveston-Brazoria, TX	18 19	//	
Jefferson County	1-Hour Ozone (1979)-NAAQS revoked	Beaumont-Port Arthur, TX	92 93 94 95 96 97 98 99 00 01 02 03 04	//	
Jefferson County	8-Hour Ozone (1997)-NAAQS revoked	Beaumont-Port Arthur, TX	04 05 06 07 08 09	11/19/2010	
Johnson County	8-Hour Ozone (1997)-NAAQS revoked	Dallas-Fort Worth, TX	04 05 06 07 08 09 10 11 12 13 14	//	
Johnson County	8-Hour Ozone (2008)	Dallas-Fort Worth, TX	12 13 14 15 16 17 18 19	//	
Johnson County	8-Hour Ozone (2015)	Dallas-Fort Worth, TX	18 19	//	
Kaufman County	8-Hour Ozone (1997)-NAAQS revoked	Dallas-Fort Worth, TX	04 05 06 07 08 09 10 11 12 13 14	//	
Kaufman County	8-Hour Ozone (2008)	Dallas-Fort Worth, TX	12 13 14 15 16 17 18 19	//	
Kaufman County	8-Hour Ozone (2015)	Dallas-Fort Worth, TX	18 19	//	
Liberty County	1-Hour Ozone (1979)-NAAQS revoked	Houston-Galveston-Brazoria, TX	92 93 94 95 96 97 98 99 00 01 02 03 04	//	

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Cl
Liberty County	8-Hour Ozone (1997)-NAAQS revoked	Houston-Galveston-Brazoria, TX	04 05 06 07 08 09 10 11 12 13 14	//	
Liberty County	8-Hour Ozone (2008)	Houston-Galveston-Brazoria, TX	12 13 14 15 16 17 18 19	//	
Montgomery County	1-Hour Ozone (1979)-NAAQS revoked	Houston-Galveston-Brazoria, TX	92 93 94 95 96 97 98 99 00 01 02 03 04	//	
Montgomery County	8-Hour Ozone (1997)-NAAQS revoked	Houston-Galveston-Brazoria, TX	04 05 06 07 08 09 10 11 12 13 14	//	
Montgomery County	8-Hour Ozone (2008)	Houston-Galveston-Brazoria, TX	12 13 14 15 16 17 18 19	//	
Montgomery County	8-Hour Ozone (2015)	Houston-Galveston-Brazoria, TX	18 19	//	
Orange County	1-Hour Ozone (1979)-NAAQS revoked	Beaumont-Port Arthur, TX	92 93 94 95 96 97 98 99 00 01 02 03 04	//	
Orange County	8-Hour Ozone (1997)-NAAQS revoked	Beaumont-Port Arthur, TX	04 05 06 07 08 09	11/19/2010	
Panola County	Sulfur Dioxide (2010)	Rusk and Panola Counties, TX	17 18 19	//	
Parker County	8-Hour Ozone (1997)-NAAQS revoked	Dallas-Fort Worth, TX	04 05 06 07 08 09 10 11 12 13 14	//	
Parker County	8-Hour Ozone (2008)	Dallas-Fort Worth, TX	12 13 14 15 16 17 18 19	//	
Parker County	8-Hour Ozone (2015)	Dallas-Fort Worth, TX	18 19	//	
Rockwall County	8-Hour Ozone (1997)-NAAQS revoked	Dallas-Fort Worth, TX	04 05 06 07 08 09 10 11 12 13 14	//	
Rockwall County	8-Hour Ozone (2008)	Dallas-Fort Worth, TX	12 13 14 15 16 17 18 19	//	
Rusk County	Sulfur Dioxide (2010)	Rusk and Panola Counties, TX	17 18 19	//	
Tarrant County	1-Hour Ozone (1979)-NAAQS revoked	Dallas-Fort Worth, TX	92 93 94 95 96 97 98 99 00 01 02 03 04	//	
Tarrant County	8-Hour Ozone (1997)-NAAQS revoked	Dallas-Fort Worth, TX	04 05 06 07 08 09 10 11 12 13 14	//	
Tarrant County	8-Hour Ozone (2008)	Dallas-Fort Worth, TX	12 13 14 15 16 17 18 19	//	
Tarrant County	8-Hour Ozone (2015)	Dallas-Fort Worth, TX	18 19	//	
Titus County	Sulfur Dioxide (2010)	Titus County, TX	17 18 19	//	

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Cl
Victoria County	1-Hour Ozone (1979)-NAAQS revoked	Victoria, TX	92 93 94	05/08/1995	I
Waller County	1-Hour Ozone (1979)-NAAQS revoked	Houston-Galveston-Brazoria, TX	92 93 94 95 96 97 98 99 00 01 02 03 04	//	
Waller County	8-Hour Ozone (1997)-NAAQS revoked	Houston-Galveston-Brazoria, TX	04 05 06 07 08 09 10 11 12 13 14	//	
Waller County	8-Hour Ozone (2008)	Houston-Galveston-Brazoria, TX	12 13 14 15 16 17 18 19	//	
Wise County	8-Hour Ozone (2008)	Dallas-Fort Worth, TX	12 13 14 15 16 17 18 19	//	
Wise County	8-Hour Ozone (2015)	Dallas-Fort Worth, TX	18 19	//	

Important Notes

Discover.  
Connect.  
Ask.

Follow.

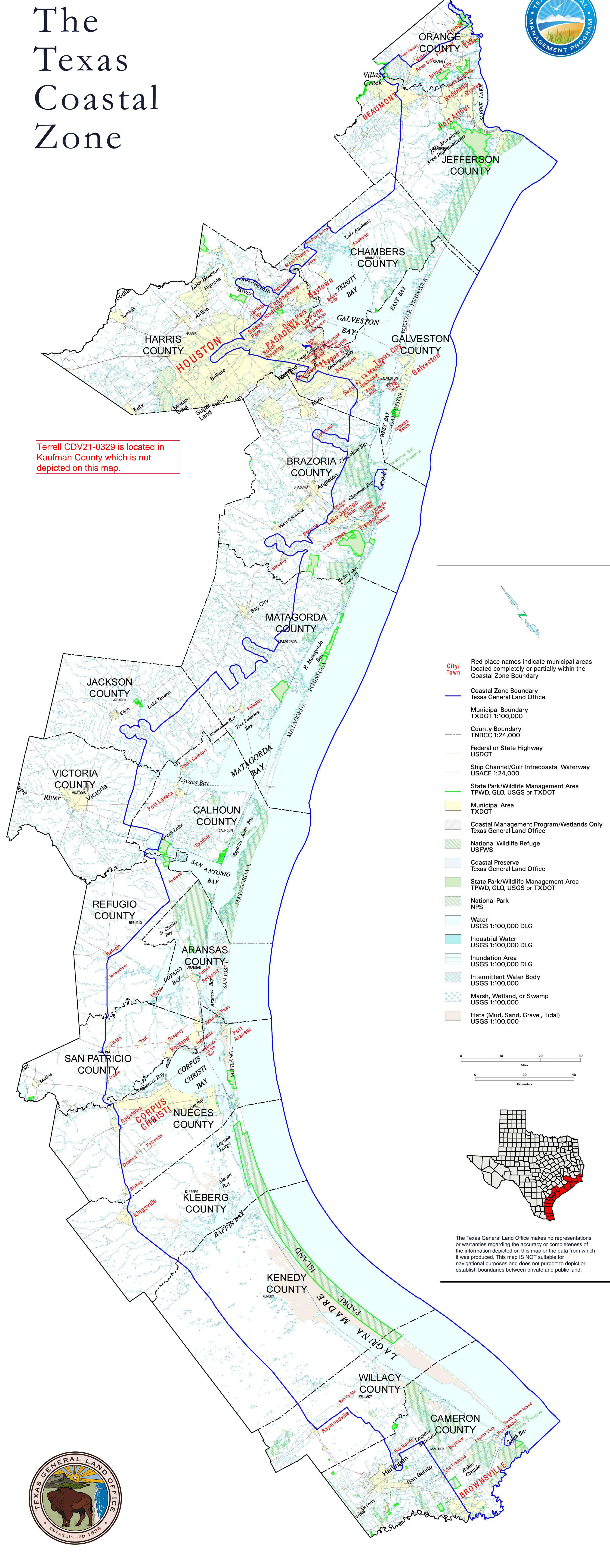
2019-12-31

# Coastal Zone Management

# The Texas Coastal Zone



depicted on this map.



# Contamination and Toxic Substances

Terrell CDV21-0329-EA-Water

The following is a list of HAZMAT databases searched and the number of sites found within the indicated search radius.

<u>Database Searched</u>	<u>Search Distance (miles)</u>	<u>Number of Sites Found</u>
<u>Federal Databases</u>		
NPL Site List	1	0
Delisted NPL sitre list	0.5	0
CERCLIS list	0.5	0
CERCLIS NFRAP site list	0.5	0
RCRA CORRACTS facilities list	1	0
RCRA CORRACTS TSD facilities list	0.5	0
RCRA generators list	property and adjoining properties	0
Institutional control/engineering control registries	property only	0
<u>State Databases</u>		
NPL	0.5	0
CERCLIS	0.5	0
Landfill and/or solid waste disposal site lists	0.5	0
<b>Closed Landfill List</b>	<b>0.5</b>	<b>1</b>
RCRA CORRACTS facilities list	1	0
<b>Leaking storage tank list</b>	<b>0.5</b>	<b>4</b>
<b>Registered storage tank list</b>	<b>property and adjoining properties</b>	<b>1</b>
Institutional control/engineering control registries	property only	0
Brownfield Sites	0.5	0
ERNS list	property only	0
Voluntary Cleanup sites	0.5	0

**NEPA Assist**

## NEPAssist

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## Map

**Geographic coordinates:**

LINE (32.754136,-96.284402,32.759839,-96.283221)  
with buffer 1 mile

Note: The information in the following reports is based on publicly available databases and web services. The National Report uses nationally available datasets and the State Reports use datasets available through the EPA Regions. Click on the hyperlinked question to view the data source and associated metadata.

**National Report**

Length of digitized line	0.40 mi
Within 1 mile of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	yes
Within 1 mile of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	yes
Within 1 mile of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM10 (1987 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a Federal Land?	no
Within 1 mile of an impaired stream?	no
Within 1 mile of an impaired waterbody?	no

Within 1 mile of a waterbody?	yes
Within 1 mile of a stream?	no
Within 1 mile of an NWI wetland?	click here <i>May take several minutes</i>
Within 1 mile of a Brownfields site?	no
Within 1 mile of a Superfund site?	no
Within 1 mile of a Toxic Release Inventory (TRI) site?	no
Within 1 mile of a water discharger (NPDES)?	yes
Within 1 mile of a hazardous waste (RCRA) facility?	yes
Within 1 mile of an air emission facility?	no
Within 1 mile of a school?	yes
Within 1 mile of an airport?	no
Within 1 mile of a hospital?	yes
Within 1 mile of a designated sole source aquifer?	no
Within 1 mile of a historic property on the National Register of Historic Places?	yes
Within 1 mile of a Toxic Substances Control Act (TSCA) site?	no
Within 1 mile of a Land Cession Boundary?	no
Within 1 mile of a tribal area (lower 48 states)?	no
Within 1 mile of the service area of a mitigation or conservation bank?	yes
Within 1 mile of the service area of an In-Lieu-Fee Program?	no
Within 1 mile of a Public Property Boundary of the Formerly Used Defense Sites?	yes
Within 1 mile of a Munitions Response Site?	no
Within 1 mile of an Essential Fish Habitat (EFH)?	no
Within 1 mile of a Habitat Area of Particular Concern (HAPC)?	no
Within 1 mile of an EFH Area Protected from Fishing (EFHA)?	no
Within 1 mile of a Bureau of Land Management Area of Critical Environmental Concern?	no
Within 1 mile of an ESA-designated Critical Habitat Area per U.S. Fish & Wildlife Service?	no
Within 1 mile of an ESA-designated Critical Habitat river, stream or water feature per U.S. Fish & Wildlife Service?	no

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[Texas Report](#) 

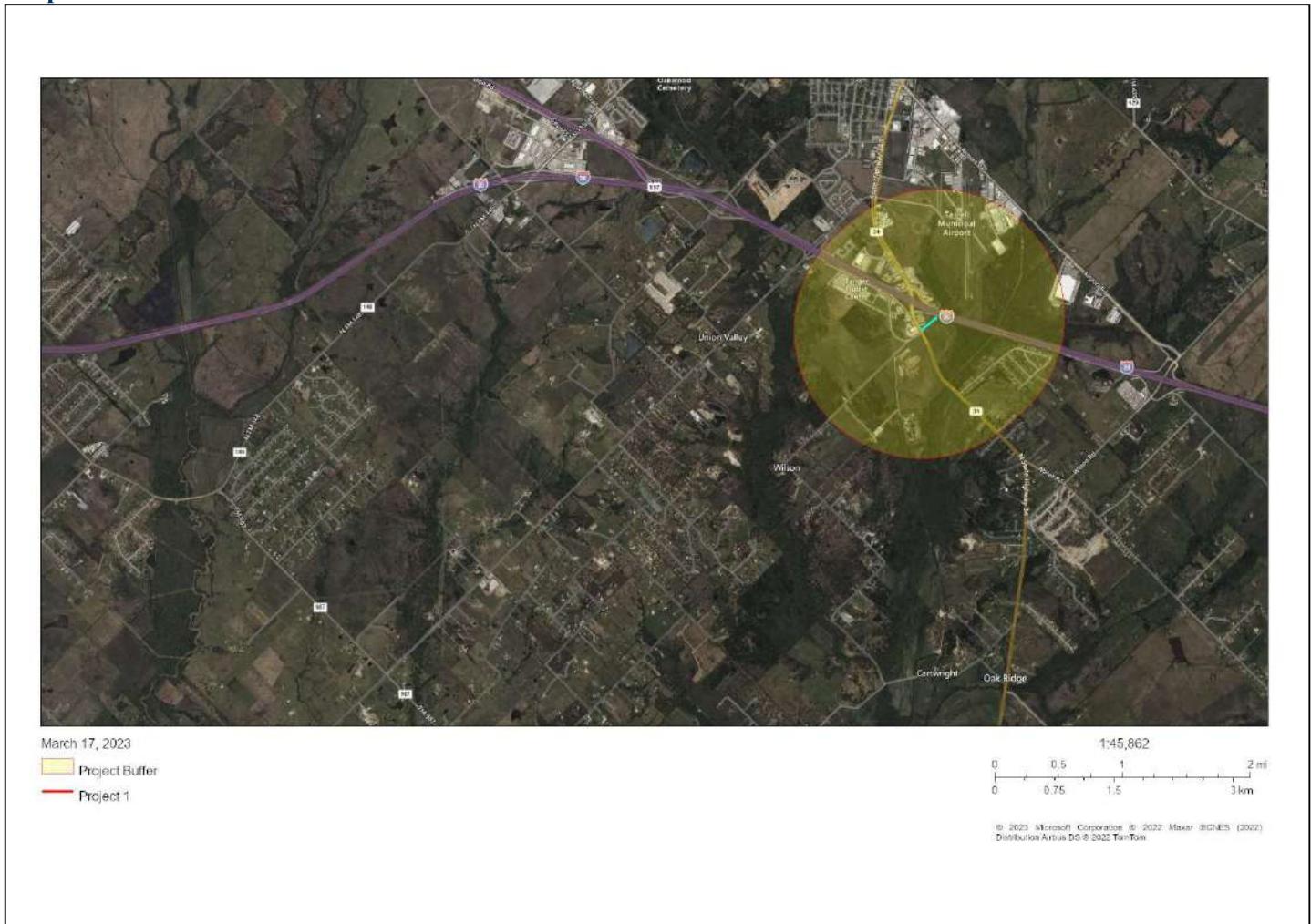
[Demographic Reports](#) 

[USFWS IPaC Report](#) 

## NEPAssist

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## Map

**Geographic coordinates:**

LINE (32.698118,-96.273804,32.699598,-96.271765)  
with buffer 1 mile

Note: The information in the following reports is based on publicly available databases and web services. The National Report uses nationally available datasets and the State Reports use datasets available through the EPA Regions. Click on the hyperlinked question to view the data source and associated metadata.

**National Report**

Length of digitized line

0.16 mi

Within 1 mile of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	yes
Within 1 mile of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	yes
Within 1 mile of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM10 (1987 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a Federal Land?	no
Within 1 mile of an impaired stream?	yes
Within 1 mile of an impaired waterbody?	no

Within 1 mile of a waterbody?	no
Within 1 mile of a stream?	yes
Within 1 mile of an NWI wetland?	<a href="#">click here</a> <i>May take several minutes</i>
Within 1 mile of a Brownfields site?	no
Within 1 mile of a Superfund site?	no
Within 1 mile of a Toxic Release Inventory (TRI) site?	yes
Within 1 mile of a water discharger (NPDES)?	yes
Within 1 mile of a hazardous waste (RCRA) facility?	yes
Within 1 mile of an air emission facility?	yes
Within 1 mile of a school?	no
Within 1 mile of an airport?	yes
Within 1 mile of a hospital?	yes
Within 1 mile of a designated sole source aquifer?	no
Within 1 mile of a historic property on the National Register of Historic Places?	no
Within 1 mile of a Toxic Substances Control Act (TSCA) site?	no
Within 1 mile of a Land Cession Boundary?	no
Within 1 mile of a tribal area (lower 48 states)?	no
Within 1 mile of the service area of a mitigation or conservation bank?	yes
Within 1 mile of the service area of an In-Lieu-Fee Program?	no
Within 1 mile of a Public Property Boundary of the Formerly Used Defense Sites?	no
Within 1 mile of a Munitions Response Site?	no
Within 1 mile of an Essential Fish Habitat (EFH)?	no
Within 1 mile of a Habitat Area of Particular Concern (HAPC)?	no
Within 1 mile of an EFH Area Protected from Fishing (EFHA)?	no
Within 1 mile of a Bureau of Land Management Area of Critical Environmental Concern?	no
Within 1 mile of an ESA-designated Critical Habitat Area per U.S. Fish & Wildlife Service?	no
Within 1 mile of an ESA-designated Critical Habitat river, stream or water feature per U.S. Fish & Wildlife Service?	no

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[Demographic Reports](#) 

[USFWS IPaC Report](#) 

**TCEQ - CRQ**

LPST

## Central Registry Query - Regulated Entity Information

### Regulated Entity Information

**RN Number:** RN102274503

**Name:** I 20 EXXON

**Primary Business:** RETAIL

**Street Address:** 311 E INTERSTATE 20, TERRELL TX 75160 5404

**County:** KAUFMAN

**Nearest City:** TERRELL

**State:** TX

**Near ZIP Code:** 75160

**Physical Location:** --- 311 E IH 20, TERRELL, TX, 75160 ---

### Affiliated Customers - Current

Your Search Returned **1** Current Affiliation Records ( [View Affiliation History ...](#) )

*The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.*

**1-1 of 1 Records**

CN Number	Customer Name	Customer Role(s)	Details
CN600244834	BORDERS & LONG OIL INC	OWNER OPERATOR	

### Industry Type Codes

Code	Classification	Name
447110	NAICS	Gasoline Stations with Convenience Stores

### Permits, Registrations, or Other Authorizations

There are a total of **3** programs and IDs for this regulated entity. Click on a column name to change the sort order.

**1-3 of 3 Records**

Program	ID Type	ID Number	ID Status
LEAKING PETROLEUM STORAGE TANKS REMEDIATION	ID NUMBER	120789	INACTIVE
PETROLEUM STORAGE TANK REGISTRATION	REGISTRATION	37124	MERGED
PETROLEUM STORAGE TANK REGISTRATION	REGISTRATION	65833	INACTIVE

## Central Registry

The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.

Detail of: **Leaking Petroleum Storage Tanks Remediation ID Number 113828**

For: **SHOES COUNTRY STOP (RN101435444 ...)**

1706 STATE HIGHWAY 34 S, TERRELL

ID Number Status: **INACTIVE**

Responsible Parties: **SHOES COUNTRY STOP (CN604460998 ...)** [View Compliance History ...](#)

Mailing Address: Not on file

Legal	Description	Start Date	End Date	Type	Status	Status Date
113828	LEAKING PETROLEUM STORAGE TANK	12/09/1998	06/25/2002	CLEANUP	INACTIVE	06/25/2002

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## Central Registry Query - Regulated Entity Information

### Regulated Entity Information

**RN Number:** RN102004868

**Name:** CIRCLE K 2706342 [View Prior Names ...](#)

**Primary Business:** RETAIL

**Street Address:** 1700 HIGHWAY 34 S, TERRELL TX 75160 2092

**County:** KAUFMAN

**Nearest City:** No near city on file.

**State:** TX

**Near ZIP Code:** 75160

**Physical Location:** --- 1700 HWY 34 S, TERRELL, TX, 75160 ---

### Affiliated Customers - Current

Your Search Returned **2** Current Affiliation Records ( [View Affiliation History ...](#) )

*The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.*

**1-2 of 2 Records**

CN Number	Customer Name	Customer Role(s)	Details
CN600134456	CIRCLE K STORES INC	OWNER OPERATOR	<a href="#">View</a>
CN601674351	CONOCOPHILLIPS COMPANY	OWNER	<a href="#">View</a>

### Industry Type Codes

Code	Classification	Name
No NAICS or SIC Codes on file.		

### Permits, Registrations, or Other Authorizations

There are a total of **3** programs and IDs for this regulated entity. Click on a column name to change the sort order.

**1-3 of 3 Records**

Program	ID Type	ID Number	ID Status
LEAKING PETROLEUM STORAGE TANKS REMEDIATION	ID NUMBER	<a href="#">116060</a>	INACTIVE
LEAKING PETROLEUM STORAGE TANKS REMEDIATION	ID NUMBER	<a href="#">118211</a>	INACTIVE
PETROLEUM STORAGE TANK REGISTRATION	REGISTRATION	<a href="#">67290</a>	ACTIVE

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## Central Registry

The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.

### Detail of: Leaking Petroleum Storage Tanks Remediation ID Number 120789

For: **I 20 EXXON (RN102274503 ...)**

311 E INTERSTATE 20, TERRELL

ID Number Status: **INACTIVE**

Responsible Parties: **Borders & Long Oil, Inc. (CN600244834 ...)** Since 04/22/1997 [View Compliance History](#) ...

Mailing Address: Not on file

Legal	Description	Start Date	End Date	Type	Status	Status Date
120789	LEAKING PETROLEUM STORAGE TANK	08/27/2019	11/18/2019	CLEANUP	INACTIVE	11/18/2019

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# Central Registry Query - Regulated Entity Information

## Regulated Entity Information

**RN Number:** RN102399813

**Name:** VALERO CORNER STORE 4532 [View Prior Names ...](#)

**Primary Business:** RETAIL

**Street Address:** 1703 HIGHWAY 34 S, TERRELL TX 75160 2093

**County:** KAUFMAN

**Nearest City:** No near city on file.

**State:** TX

**Near ZIP Code:** 75160

**Physical Location:** --- 1703 HWY 34 S, TERRELL, TX, 75160 ---

## Affiliated Customers - Current

Your Search Returned **3** Current Affiliation Records ( [View Affiliation History ...](#)

)

*The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.*

### 1-3 of 3 Records

CN Number	Customer Name	Customer Role(s)	Details
CN600134456	CIRCLE K STORES INC	OWNER OPERATOR	
CN600613830	TPI PETROLEUM INC	OWNER	
CN603483397	SUNSHINE BEVERAGE CO	OWNER OPERATOR	

## Industry Type Codes

Code	Classification	Name
No NAICS or SIC Codes on file.		

## Permits, Registrations, or Other Authorizations

There are a total of **3** programs and IDs for this regulated entity. Click on a column name to change the sort order.

### 1-3 of 3 Records

Program	ID Type	ID Number	ID Status
LEAKING PETROLEUM STORAGE TANKS REMEDIATION	ID NUMBER	115959	INACTIVE
LEAKING PETROLEUM STORAGE TANKS REMEDIATION	ID NUMBER	119657	INACTIVE
PETROLEUM STORAGE TANK REGISTRATION	REGISTRATION	45800	ACTIVE

---

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## Central Registry

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Detail of: **Leaking Petroleum Storage Tanks Remediation ID Number 115959**

For: **TOTAL 4532 (RN102399813 ...)**

1703 HIGHWAY 34 S, TERRELL

ID Number Status: **INACTIVE**

Responsible Parties: **TPI Petroleum, Inc. (CN600613830 ...)** Since 01/08/2001 [View Compliance History ...](#)

Mailing Address: PO BOX 696000 SAN ANTONIO, TX 78269 -6000

Legal	Description	Start Date	End Date	Type	Status	Status Date
115959	LEAKING PETROLEUM STORAGE TANK	05/11/2004	04/08/2005	CLEANUP	INACTIVE	04/08/2005

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## Central Registry Query - Regulated Entity Information

### Regulated Entity Information

**RN Number:** RN101435444

**Name:** 34 EXPRESS [View Prior Names ...](#)

**Primary Business:** RETAIL

**Street Address:** 1706 STATE HIGHWAY 34 S, TERRELL TX 75160 2092

**County:** KAUFMAN

**Nearest City:** TERRELL

**State:** TX

**Near ZIP Code:** 75160

**Physical Location:** 1706 HWY 34 S TERRELL TX 75160

### Affiliated Customers - Current

Your Search Returned **2** Current Affiliation Records ( [View Affiliation History ...](#) )

*The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.*

**1-2 of 2 Records**

CN Number	Customer Name	Customer Role(s)	Details
CN603652074	34 EXPRESS INC	OWNER OPERATOR	
CN604460998	SHOES COUNTRY STOP	OWNER	

### Industry Type Codes

Code	Classification	Name
No NAICS or SIC Codes on file.		

### Permits, Registrations, or Other Authorizations

There are a total of **2** programs and IDs for this regulated entity. Click on a column name to change the sort order.

**1-2 of 2 Records**

Program	ID Type	ID Number	ID Status
LEAKING PETROLEUM STORAGE TANKS REMEDIATION	ID NUMBER	<a href="#">113828</a>	INACTIVE
PETROLEUM STORAGE TANK REGISTRATION	REGISTRATION	<a href="#">31351</a>	ACTIVE

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## Central Registry

The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.

Detail of: **Leaking Petroleum Storage Tanks Remediation ID Number 119657**

For: **VALERO CORNER STORE 4532 (RN102399813 ...)**

1703 HIGHWAY 34 S, TERRELL

ID Number Status: **INACTIVE**

Responsible Parties: **Sunshine Beverage Co. (CN603483397 ...)** Since 03/10/2008 [View Compliance History ...](#)

Mailing Address: Not on file

Legal	Description	Start Date	End Date	Type	Status	Status Date
119657	LEAKING PETROLEUM STORAGE TANK	06/15/2015		CLEANUP	INACTIVE	09/11/2015

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## Central Registry

*The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.*

Detail of: **Leaking Petroleum Storage Tanks Remediation ID Number 116060**

For: **CIRCLE K STORE 2706342 (RN102004868 ...)**

1700 HIGHWAY 34 S, TERRELL

ID Number Status: **INACTIVE**

Responsible Parties: **ConocoPhillips Company (CN601674351 ...)** Since 01/19/1998 [View Compliance History ...](#)

Mailing Address: 600 N DAIRY ASHFORD RD HOUSTON, TX 77079 -1100

Legal	Description	Start Date	End Date	Type	Status	Status Date
116060	LEAKING PETROLEUM STORAGE TANK	08/19/2004	03/20/2006	CLEANUP	INACTIVE	03/20/2006

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## Central Registry

*The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.*

Detail of: **Leaking Petroleum Storage Tanks Remediation ID Number 118211**

For: **CIRCLE K STORES 2706342 (RN102004868 ...)**

1700 HIGHWAY 34 S, TERRELL

ID Number Status: **INACTIVE**

Responsible Parties: **Circle K Stores Inc. (CN600134456 ...)** Since 10/28/2003 [View Compliance History ...](#)

Mailing Address: 1130 W WARNER RD TEMPE, AZ 85284 -2816

Legal	Description	Start Date	End Date	Type	Status	Status Date
118211	LEAKING PETROLEUM STORAGE TANK	12/22/2009	04/29/2011	CLEANUP	INACTIVE	04/29/2011

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PST

# Central Registry Query - Regulated Entity Information

## Regulated Entity Information

**RN Number:** RN102399813

**Name:** VALERO CORNER STORE 4532 [View Prior Names ...](#)

**Primary Business:** RETAIL

**Street Address:** 1703 HIGHWAY 34 S, TERRELL TX 75160 2093

**County:** KAUFMAN

**Nearest City:** No near city on file.

**State:** TX

**Near ZIP Code:** 75160

**Physical Location:** --- 1703 HWY 34 S, TERRELL, TX, 75160 ---

## Affiliated Customers - Current

Your Search Returned **3** Current Affiliation Records ( [View Affiliation History ...](#)

)

*The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.*

**1-3 of 3 Records**

CN Number	Customer Name	Customer Role(s)	Details
CN600134456	CIRCLE K STORES INC	OWNER OPERATOR	
CN600613830	TPI PETROLEUM INC	OWNER	
CN603483397	SUNSHINE BEVERAGE CO	OWNER OPERATOR	

## Industry Type Codes

Code	Classification	Name
No NAICS or SIC Codes on file.		

## Permits, Registrations, or Other Authorizations

There are a total of **3** programs and IDs for this regulated entity. Click on a column name to change the sort order.

**1-3 of 3 Records**

Program	ID Type	ID Number	ID Status
LEAKING PETROLEUM STORAGE TANKS REMEDIATION	ID NUMBER	115959	INACTIVE
LEAKING PETROLEUM STORAGE TANKS REMEDIATION	ID NUMBER	119657	INACTIVE
PETROLEUM STORAGE TANK REGISTRATION	REGISTRATION	45800	ACTIVE

## Central Registry

*The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.*

Detail of: **Petroleum Storage Tank Registration 45800**

For: **CIRCLE K STORE 2744532 (RN102399813 ...)**

1703 HIGHWAY 34 S, TERRELL

Registration Status: **ACTIVE**

Held by: **Circle K Stores Inc. (CN600134456 ...)** [View 'Issued To' History ...](#)

**OWNER OPERATOR** Since 08/16/2021 [View Compliance History ...](#)

Mailing Address: 3802 CORPOREX PARK DR STE 200 TAMPA, FL 33619 -1125

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## Investigations

Investigation Date	Investigation Type
01/15/2019	Compliance Investigation
11/30/2021	Compliance Investigation

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## Central Registry

The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.

### Detail of: Petroleum Storage Tank Registration 45800

For: **CIRCLE K STORE 2744532 (RN102399813 ...)**

1703 HIGHWAY 34 S, TERRELL

Registration Status: **ACTIVE**

Held by: **Circle K Stores Inc. (CN600134456 ...)** [View 'Issued To' History ...](#)

**OWNER OPERATOR** Since 08/16/2021 [View Compliance History ...](#)

Mailing Address: 3802 CORPOREX PARK DR STE 200 TAMPA, FL 33619 -1125

## Financial Assurance

1,000,000 Guarantee, expires 08/11/2023

PARENT (GUARANTEE), Agent

## Self-Certification Status by Compartment

**Current:** 1A 2A 3A 4A 5A (through last day of 10/2023)

[View Complete Self-Certification History](#)

## Registered Tanks and Their Associated Systems

**Table 1. Underground Storage Tank Summary**

Tank	Capacity (Gallon)	Date Installed	Status	Substance Stored	Related Information
1	10152	03/01/1988	In Use	A:Gasoline	<a href="#">Tank Details</a> <a href="#">Compartment</a> <a href="#">Piping</a> <a href="#">Vapor Recovery</a>
2	10152	03/01/1988	In Use	A:Diesel	<a href="#">Tank Details</a> <a href="#">Compartment</a> <a href="#">Piping</a> <a href="#">Vapor Recovery</a>
3	10152	03/01/1988	In Use	A:Diesel	<a href="#">Tank Details</a> <a href="#">Compartment</a> <a href="#">Piping</a> <a href="#">Vapor Recovery</a>

**Table 2. Tank Details**

Tank	Design & Materials	Corrosion Protection	Release Detection	Spill Containment and Overfill Prevention	Installation Contractor	Installer	Test Result	Related Information
1	1:Single Wall ( Coated Steel Ext Poly Clad )	Field Install Cath Protec Factory Install Cath Protec Coated Steel (Ext Poly Lam)	A: 8: SIR & Inv Cntrl	A: 1: Tight Fill Fitting 2: Fac Built Spill Cont/Bckt/Sump 3: Delivery Shutoff Valve				<a href="#">Tank Summary</a> <a href="#">Compartment</a> <a href="#">Piping</a> <a href="#">Vapor Recovery</a>

Tank	Design & Materials	Corrosion Protection	Release Detection	Spill Containment and Overfill Prevention	Installation Contractor	Installer	Test Result	Related Information
2	1:Single Wall ( Coated	Field Install	A: 8: SIR	A: 1: Tight Fill Fitting				<a href="#">Tank Summary</a>

**Table 3. Compartment Details**

Tank	Compartment	Capacity (gallons)	Principal Substance	Other Substance	Release Detection	Spill Containment and Overfill Prevention	Related Information
1	A	10152	Gasoline		1 : SIR & Inv Cntrl	1 : Tight Fill Fitting 2 : Fac Built Spill Cont/Bckt/Sump 3 : Delivery Shutoff Valve	<a href="#">Tank Summary</a> <a href="#">Tank Details</a> <a href="#">Piping</a> <a href="#">Vapor Recovery</a>
2	A	10152	Diesel		1 : SIR & Inv Cntrl	1 : Tight Fill Fitting 2 : Fac Built Spill Cont/Bckt/Sump 3 : Delivery Shutoff Valve	<a href="#">Tank Summary</a> <a href="#">Tank Details</a> <a href="#">Piping</a> <a href="#">Vapor Recovery</a>
3	A	10152	Diesel		1 : SIR & Inv Cntrl	1 : Tight Fill Fitting 2 : Fac Built Spill Cont/Bckt/Sump 3 : Delivery Shutoff Valve	<a href="#">Tank Summary</a> <a href="#">Tank Details</a> <a href="#">Piping</a> <a href="#">Vapor Recovery</a>

**Table 4. Piping Systems**

Tank	Type of Piping	Piping Material	Design and External Containment	Connectors and valves	Corrosion Protection	Release Detection	Related Information
1	Pressurized	FRP	Double Wall	1: Shear Impact Valves 2: Flex Connectors	1: FRP (Noncorrodible) 2: Isolated Open Area/2nd Contai	A:Ann Pipe Tightness/Electr Mon A:Auto Line Leak Detector A:SIR & Inv Cntrl	<a href="#">Tank Summary</a> <a href="#">Tank Details</a> <a href="#">Compartment</a> <a href="#">Vapor Recover</a>
2	Pressurized	FRP	Double Wall	1: Shear Impact Valves 2: Flex Connectors	1: FRP (Noncorrodible) 2: Isolated Open Area/2nd Contai	A:Ann Pipe Tightness/Electr Mon A:Auto Line Leak Detector A:SIR & Inv Cntrl	<a href="#">Tank Summary</a> <a href="#">Tank Details</a> <a href="#">Compartment</a> <a href="#">Vapor Recover</a>
3	Pressurized	FRP	Double Wall	1: Shear Impact Valves	1: FRP (Noncorrodible)	A:Ann Pipe Tightness/Electr	<a href="#">Tank Summary</a> <a href="#">Tank Details</a>

**Table 5. Vapor Recovery Systems**

Tank	Type of Stage 1	Date Installed	Type of Stage 2	Date Installed	Related Information
1	Two Point System				<a href="#">Tank Summary</a> <a href="#">Tank Details</a> <a href="#">Compartment</a> <a href="#">Piping</a>
2	Two Point System				<a href="#">Tank Summary</a> <a href="#">Tank Details</a> <a href="#">Compartment</a> <a href="#">Piping</a>
3	Two Point System				<a href="#">Tank Summary</a> <a href="#">Tank Details</a> <a href="#">Compartment</a> <a href="#">Piping</a>

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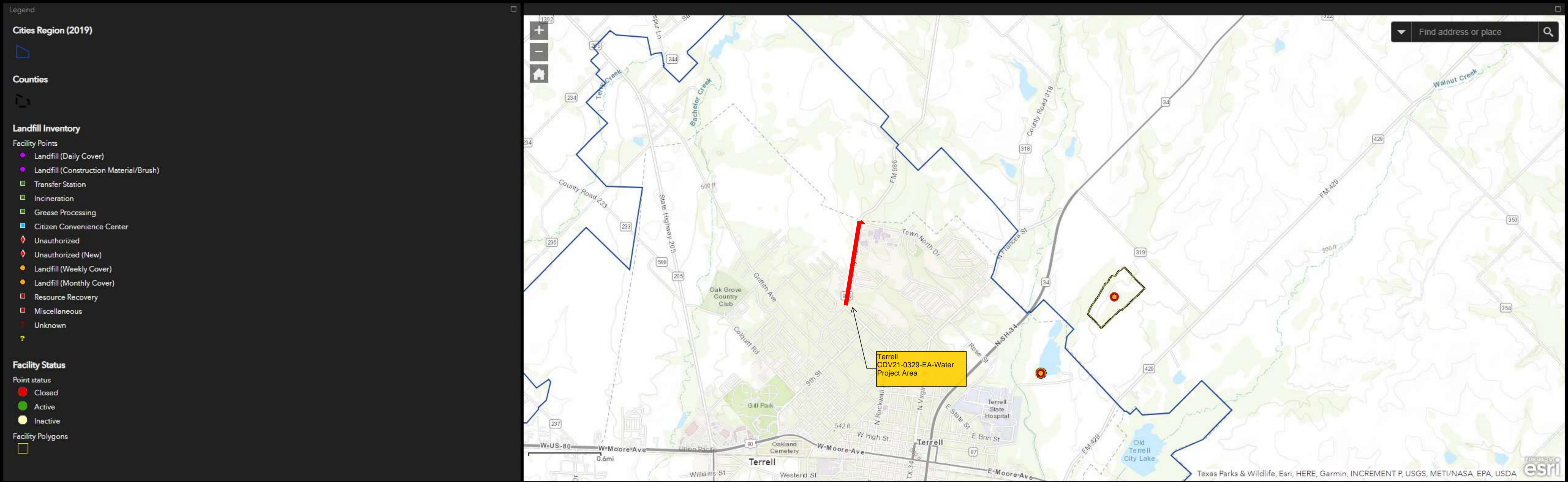
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# Closed Landfills



Layer List

Layers

- Cities Region (2019)
- Counties
- Landfill Inventory
- Facility Status

Filter

Facility Type

Type is

- empty -

Status

Status is

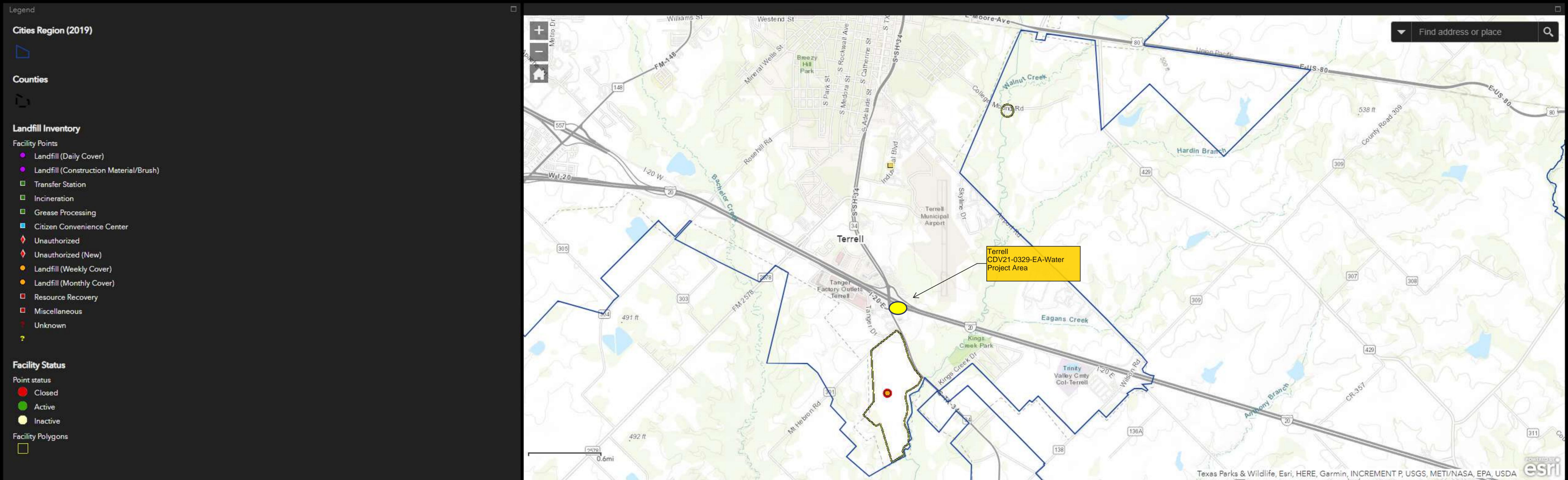
- empty -

County

County is

- empty -

Info Summary



Layer List

Layers

- Cities Region (2019)
- Counties
- Landfill Inventory
- Facility Status

Filter

Facility Type

Type is

- empty -

Status

Status is

- empty -

County

County is

- empty -

Info Summary

Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA  
POWERED BY esri

# Endangered Species

**Certification  
Endangered Species  
Environmental Review**

**Project Name:** Terrell CDV21-0329-EA-Water

**State/Local Identifier:** CDV21-0329

**PROPOSED ACTION:**

**Description of Aggregated Project (must include work to be funded by TxCDBG):**

**Water Loop Services:**

The City will install sections of 12" water lines connecting other 12" mains in the City. These sections will complete the water loop in critical sections of the system that are not currently connected. The City will install approximately:

- 3,150 lf of 12" water main
- 7 hydrants
- boring
- connections
- associated appurtenances

**Acquisition**

In addition, carry out all acquisition of needed real property, easements, and/or rights-of-way including acquisition of the proposed easement, in compliance with program requirements.

Professional Services including Grant Administrator and Project Engineer activities.

**LOCATION:**

All work will occur in the City of Terrell, Kaufman County, Texas in the following locations:

Water loop installation:

- Poetry Rd from Walnut St to 840 lf north of Forest Creek Ln
- Cross Country from Tanger Dr to Interstate 20

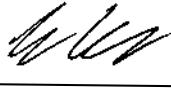
**Alternative project activities if funds allow:**

Valves on proposed Poetry and Cross Country locations; extending water lines approx 100' either direction with line installation/replacement

**FINDING:**

**Based on the proposed action, and my review of the performance statement in the grant contract with TDA, onsite inspection and photos, review of TPWD Listed Species and coordination with the USFWS, I, Todd Cave, have determined that the proposed action will have "no effect" on any federally or state-listed species or result in the destruction or adverse modification of critical habitats of plant and animal life, and no habitat for these species occurs within the proposed action site or adjacent area.**

Todd Cave, ESP  
Cave Consulting, Inc.

  
\_\_\_\_\_  
8/15/23

**USFWS**

Species Name - Common (Scientific)	Species Group	Listing Status	General Habitat Description	Habitat Present
Terrell CDV21-0329				
<a href="http://www.fws.gov/southwest/es/EndangeredSpecies_Main.html">Federally Listed (http://www.fws.gov/southwest/es/EndangeredSpecies_Main.html)</a>				
Tricolored Bat <i>Perimyotis subflavus</i>	Mammals	Proposed Threatened	During the winter, tricolored bats are found in caves and mines, although in the southern United States, where caves are sparse, tricolored bats are often found roosting in road-associated culverts. During the spring, summer and fall, tricolored bats are found in forested habitats where they roost in trees, primarily among leaves	None of the habitat described is in the project area.
Piping Plover ( <i>Charadrius melanotos</i> )	Birds	Threatened	Wintering migrant along the Texas Gulf Coast; beaches and bayside mud or salt flats	None of the habitat described is in the project area.
Red Knot ( <i>Calidris canutus rufa</i> )	Birds	Threatened	Migrant of 1,500 miles or more twice annually. Requires stopover habitats rich in easily digested foods of small invertebrates with thin or no shells.	None of the habitat described is in the project area.
Whooping Crane ( <i>Grus americana</i> )	Birds	Endangered	Whooping cranes winter on the Aransas National Wildlife Refuge's 22,500 acres of salt flats and marshes. The area's coastal prairie rolls gently here and is dotted with swales and ponds. They summer and nest in poorly drained wetlands in Canada's Northwest Territories at Wood Buffalo National Park.	None of the habitat described is in the project area.
Alligator Snapping Turtle ( <i>Macrochelys temminckii</i> )	Reptiles	Proposed Threatened	River systems, lakes, and wetland comprise their preferred habitat.	None of the habitat described is in the project area.
Monarch Butterfly ( <i>Danaus plexippus</i> )	Insects	Candidate	Large patches of native, nectar-producing plants such as milkweed.	None of the habitat described is in the project area.
Migratory Birds	Birds	No habitat present		
Habitat Description from the TPWD County Species List and the USFWS IPAC.				



# United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Arlington Ecological Services Field Office  
501 West Felix Street  
Suite 1105  
Fort Worth, TX 76115-6247  
Phone: (817) 277-1100 Fax: (817) 277-1129  
Email Address: [arles@fws.gov](mailto:arles@fws.gov)

In Reply Refer To:

March 07, 2023

Project Code: 2023-0052970

Project Name: Terrell CDV21-0329

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, which may occur within the boundary of your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under section 7(a)(1) of the Act, Federal agencies are directed to utilize their authorities to carry out programs for the conservation of threatened and endangered species. Under section 7(a)(2) and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to determine whether their actions may affect threatened and endangered species and/or designated critical habitat. A Federal action is an activity or program authorized, funded, or carried out, in whole or in part, by a Federal agency (50 CFR 402.02).

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For Federal actions other than major construction activities, the Service suggests that a biological evaluation (similar to a Biological Assessment) be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

After evaluating the potential effects of a proposed action on federally listed species, one of the following determinations should be made by the Federal agency:

1. *No effect* - the appropriate determination when a project, as proposed, is anticipated to have no effects to listed species or critical habitat. A "no effect" determination does not require section 7 consultation and no coordination or contact with the Service is necessary. However, the action agency should maintain a complete record of their evaluation, including the steps leading to the determination of affect, the qualified personnel conducting the evaluation, habitat conditions, site photographs, and any other related information.
2. *May affect, but is not likely to adversely affect* - the appropriate determination when a proposed action's anticipated effects to listed species or critical habitat are insignificant, discountable, or completely beneficial. Insignificant effects relate to the size of the impact and should never reach the scale where "take" of a listed species occurs. Discountable effects are those extremely unlikely to occur. Based on best judgment, a person would not be able to meaningfully measure, detect, or evaluate insignificant effects, or expect discountable effects to occur. This determination requires written concurrence from the Service. A biological evaluation or other supporting information justifying this determination should be submitted with a request for written concurrence.
3. *May affect, is likely to adversely affect* - the appropriate determination if any adverse effect to listed species or critical habitat may occur as a consequence of the proposed action, and the effect is not discountable or insignificant. This determination requires formal section 7 consultation.

The Service has performed up-front analysis for certain project types and species in your project area. These analyses have been compiled into *determination keys*, which allows an action agency, or its designated non-federal representative, to initiate a streamlined process for determining a proposed project's potential effects on federally listed species. The determination keys can be accessed through IPaC.

The Service recommends that candidate species, proposed species, and proposed critical habitat be addressed should consultation be necessary. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found at: <https://www.fws.gov/service/section-7-consultations>

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.), and projects affecting these species may require development of an eagle conservation plan (<https://www.fws.gov/library/collections/bald-and-golden-eagle-management>). Additionally, wind energy projects should follow the wind energy guidelines (<https://www.fws.gov/media/land-based-wind-energy-guidelines>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <https://www.fws.gov/media/recommended-best-practices-communication-tower-design-siting-construction-operation>. The Federal Aviation Administration (FAA) released specifications for and made mandatory flashing L-810 lights on new towers 150-350 feet AGL, and the elimination of L-810 steady-burning side lights on towers above 350 feet AGL. While the FAA made these changes to reduce the number of migratory bird collisions (by as much as 70%), extinguishing steady-burning side lights also reduces maintenance costs to tower owners. For additional information concerning migratory birds and eagle conservation plans, please contact the Service's Migratory Bird Office at 505-248-7882.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Migratory Birds
- Wetlands

## **OFFICIAL SPECIES LIST**

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**Arlington Ecological Services Field Office**  
501 West Felix Street  
Suite 1105  
Fort Worth, TX 76115-6247  
(817) 277-1100

## PROJECT SUMMARY

Project Code: 2023-0052970  
Project Name: Terrell CDV21-0329  
Project Type: Utility Infrastructure Maintenance  
Project Description: Waterline Improvements  
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.69894845,-96.27291729137903,14z>



Counties: Kaufman County, Texas

## ENDANGERED SPECIES ACT SPECIES

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 2 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## MAMMALS

NAME	STATUS
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10515">https://ecos.fws.gov/ecp/species/10515</a>	Proposed Endangered

## BIRDS

NAME	STATUS
Piping Plover <i>Charadrius melanotos</i> Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. This species only needs to be considered under the following conditions: <ul style="list-style-type: none"> <li>▪ Wind Energy Projects</li> </ul> Species profile: <a href="https://ecos.fws.gov/ecp/species/6039">https://ecos.fws.gov/ecp/species/6039</a>	Threatened
Red Knot <i>Calidris canutus rufa</i> There is <b>proposed</b> critical habitat for this species. This species only needs to be considered under the following conditions: <ul style="list-style-type: none"> <li>▪ Wind Energy Projects</li> </ul> Species profile: <a href="https://ecos.fws.gov/ecp/species/1864">https://ecos.fws.gov/ecp/species/1864</a>	Threatened
Whooping Crane <i>Grus americana</i> Population: Wherever found, except where listed as an experimental population There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/758">https://ecos.fws.gov/ecp/species/758</a>	Endangered

## REPTILES

NAME	STATUS
Alligator Snapping Turtle <i>Macrochelys temminckii</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/4658">https://ecos.fws.gov/ecp/species/4658</a>	Proposed Threatened

## INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Candidate

## CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

## **USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES**

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

## MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

---

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

**The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location.** To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Chimney Swift <i>Chaetura pelasgica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Mar 15 to Aug 25
Little Blue Heron <i>Egretta caerulea</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Mar 10 to Oct 15

## PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the

FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

### Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

### Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

### Survey Effort (|)

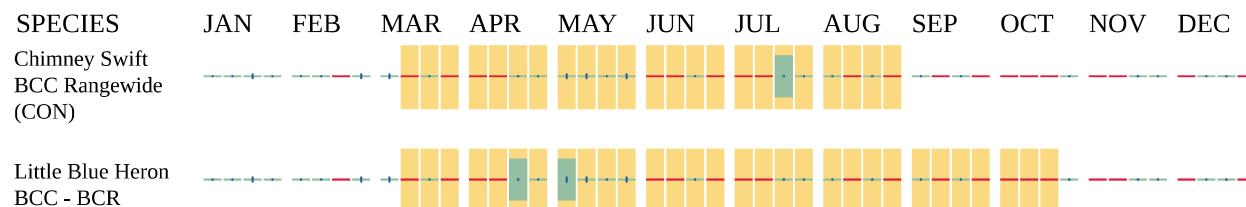
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

### No Data (-)

A week is marked as having no data if there were no survey events for that week.

### Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

## MIGRATORY BIRDS FAQ

**Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.**

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

**What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?**

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

## **What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?**

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

## **How do I know if a bird is breeding, wintering or migrating in my area?**

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the [RAIL Tool](#) and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

## **What are the levels of concern for migratory birds?**

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

## **Details about birds that are potentially affected by offshore projects**

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

### **What if I have eagles on my list?**

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

### **Proper Interpretation and Use of Your Migratory Bird Report**

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

## **WETLANDS**

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.

## **IPAC USER CONTACT INFORMATION**

Agency: Terrell city  
Name: John Murrell  
Address: 15355 Vantage Pkwy W Ste 360  
City: Houston  
State: TX  
Zip: 77032  
Email: [jmurrell@publicmgt.com](mailto:jmurrell@publicmgt.com)  
Phone: 2815920439

## **LEAD AGENCY CONTACT INFORMATION**

Lead Agency: Department of Housing and Urban Development



# United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Arlington Ecological Services Field Office  
501 West Felix Street  
Suite 1105  
Fort Worth, TX 76115-3410  
Phone: (817) 277-1100 Fax: (817) 277-1129  
Email Address: [arles@fws.gov](mailto:arles@fws.gov)

In Reply Refer To:

August 15, 2023

Project Code: 2023-0117061

Project Name: Terrell CDV21-0329-EA-Water - Cross Country Location

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, which may occur within the boundary of your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under section 7(a)(1) of the Act, Federal agencies are directed to utilize their authorities to carry out programs for the conservation of threatened and endangered species. Under and 7(a)(2) and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to determine whether their actions may affect threatened and endangered species and/or designated critical habitat. A Federal action is an activity or program authorized, funded, or carried out, in whole or in part, by a Federal agency (50 CFR 402.02).

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For Federal actions other than major construction activities, the Service suggests that a biological evaluation (similar to a Biological Assessment) be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

After evaluating the potential effects of a proposed action on federally listed species, one of the following determinations should be made by the Federal agency:

1. *No effect* - the appropriate determination when a project, as proposed, is anticipated to have no effects to listed species or critical habitat. A "no effect" determination does not require section 7 consultation and no coordination or contact with the Service is necessary. However, the action agency should maintain a complete record of their evaluation, including the steps leading to the determination of affect, the qualified personnel conducting the evaluation, habitat conditions, site photographs, and any other related information.
2. *May affect, but is not likely to adversely affect* - the appropriate determination when a proposed action's anticipated effects to listed species or critical habitat are insignificant, discountable, or completely beneficial. Insignificant effects relate to the size of the impact and should never reach the scale where "take" of a listed species occurs. Discountable effects are those extremely unlikely to occur. Based on best judgment, a person would not be able to meaningfully measure, detect, or evaluate insignificant effects, or expect discountable effects to occur. This determination requires written concurrence from the Service. A biological evaluation or other supporting information justifying this determination should be submitted with a request for written concurrence.
3. *May affect, is likely to adversely affect* - the appropriate determination if any adverse effect to listed species or critical habitat may occur as a consequence of the proposed action, and the effect is not discountable or insignificant. This determination requires formal section 7 consultation.

The Service has performed up-front analysis for certain project types and species in your project area. These analyses have been compiled into *determination keys*, which allows an action agency, or its designated non-federal representative, to initiate a streamlined process for determining a proposed project's potential effects on federally listed species. The determination keys can be accessed through IPaC.

The Service recommends that candidate species, proposed species, and proposed critical habitat be addressed should consultation be necessary. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found at: <https://www.fws.gov/service/section-7-consultations>

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.), and projects affecting these species may require development of an eagle conservation plan (<https://www.fws.gov/library/collections/bald-and-golden-eagle-management>). Additionally, wind energy projects should follow the wind energy guidelines (<https://www.fws.gov/media/land-based-wind-energy-guidelines>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <https://www.fws.gov/media/recommended-best-practices-communication-tower-design-siting-construction-operation>. The Federal Aviation Administration (FAA) released specifications for and made mandatory flashing L-810 lights on new towers 150-350 feet AGL, and the elimination of L-810 steady-burning side lights on towers above 350 feet AGL. While the FAA made these changes to reduce the number of migratory bird collisions (by as much as 70%), extinguishing steady-burning side lights also reduces maintenance costs to tower owners. For additional information concerning migratory birds and eagle conservation plans, please contact the Service's Migratory Bird Office at 505-248-7882.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Migratory Birds
- Wetlands

## OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**Arlington Ecological Services Field Office**  
501 West Felix Street  
Suite 1105  
Fort Worth, TX 76115-3410  
(817) 277-1100

## PROJECT SUMMARY

Project Code: 2023-0117061  
Project Name: Terrell CDV21-0329-EA-Water - Cross Country Location  
Project Type: Distribution Line - New Construction - Below Ground  
Project Description: Water Loop Services:  
The City will install sections of 12" water lines connecting other 12" mains in the City. These sections will complete the water loop in critical sections of the system that are not currently connected. The City will install approximately:

3,150 lf of 12" water main  
7 hydrants  
boring  
connections  
associated appurtenances

### Acquisition

In addition, carry out all acquisition of needed real property, easements, and/or rights-of-way including acquisition of the proposed easement, in compliance with program requirements.

Professional Services including Grant Administrator and Project Engineer activities.

All work will occur in the City of Terrell, Kaufman County, Texas in the following locations:

Water loop installation:  
Cross Country from Tanger Dr to Interstate 20

Project will be completed within 18 days of start.

### Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.69847294999996,-96.27241473201167,14z>



Counties: Kaufman County, Texas

## ENDANGERED SPECIES ACT SPECIES

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 2 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## MAMMALS

NAME	STATUS
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10515">https://ecos.fws.gov/ecp/species/10515</a>	Proposed Endangered

## BIRDS

NAME	STATUS
Piping Plover <i>Charadrius melanotos</i> Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. This species only needs to be considered under the following conditions: <ul style="list-style-type: none"> <li>▪ Wind Energy Projects</li> </ul> Species profile: <a href="https://ecos.fws.gov/ecp/species/6039">https://ecos.fws.gov/ecp/species/6039</a>	Threatened
Red Knot <i>Calidris canutus rufa</i> There is <b>proposed</b> critical habitat for this species. This species only needs to be considered under the following conditions: <ul style="list-style-type: none"> <li>▪ Wind Energy Projects</li> </ul> Species profile: <a href="https://ecos.fws.gov/ecp/species/1864">https://ecos.fws.gov/ecp/species/1864</a>	Threatened
Whooping Crane <i>Grus americana</i> Population: Wherever found, except where listed as an experimental population There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/758">https://ecos.fws.gov/ecp/species/758</a>	Endangered

## REPTILES

NAME	STATUS
Alligator Snapping Turtle <i>Macrochelys temminckii</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/4658">https://ecos.fws.gov/ecp/species/4658</a>	Proposed Threatened

## INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Candidate

## CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

## USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

## MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

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1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

**The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location.** To learn more about the levels of concern for birds on your list and how this

list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Mar 15 to Aug 25
Little Blue Heron <i>Egretta caerulea</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Mar 10 to Oct 15

## PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

### Probability of Presence

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

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2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

## Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

## Survey Effort (|)

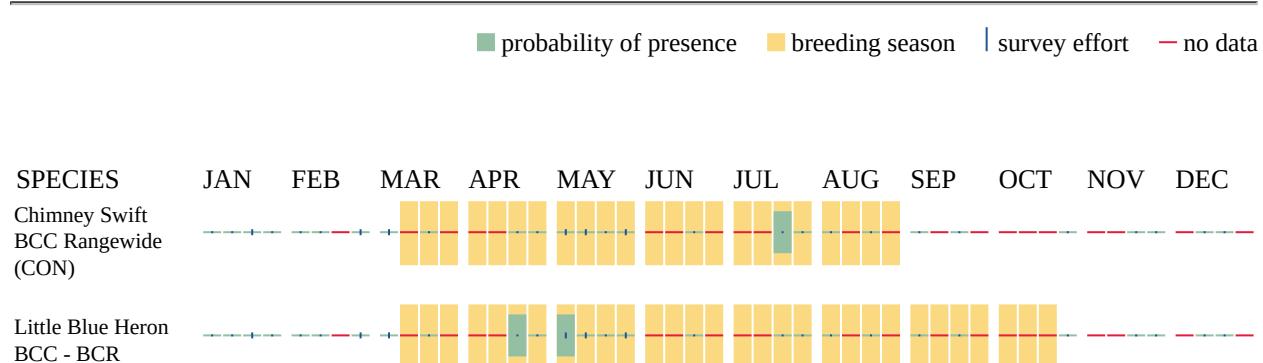
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Additional information can be found using the following links:

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## MIGRATORY BIRDS FAQ

### **Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.**

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

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Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

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Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

### **How do I know if a bird is breeding, wintering or migrating in my area?**

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the [RAIL Tool](#) and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point

within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

### **What are the levels of concern for migratory birds?**

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

### **Details about birds that are potentially affected by offshore projects**

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

### **What if I have eagles on my list?**

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

### **Proper Interpretation and Use of Your Migratory Bird Report**

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no

data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

## **WETLANDS**

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.

## IPAC USER CONTACT INFORMATION

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**TPWD**

## KAUFMAN COUNTY

### AMPHIBIANS

**eastern tiger salamander**

*Ambystoma tigrinum*

Terrestrial adults generally occur under cover objects or in burrows surrounding a variety of lentic freshwater habitats, such as ponds, lakes, bottomland wetlands, or upland ephemeral pools. The specific terrestrial habitats are also varied and the occurrence of this species seems to be more closely associated with sandy, loamy or other soils which have easy burrowing properties, rather than any particular ecological system type. Requires fishless breeding pools for successful reproduction.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3

**southern crawfish frog**

*Lithobates areolatus areolatus*

Terrestrial and aquatic: The terrestrial habitat is primarily grassland and can vary from pasture to intact prairie; it can also include small prairies in the middle of large forested areas. Aquatic habitat is any body of water but preferred habitat is ephemeral wetlands.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4T4	State Rank: S3

**Strecker's chorus frog**

*Pseudacris streckeri*

Terrestrial and aquatic: Wooded floodplains and flats, prairies, cultivated fields and marshes. Likes sandy substrates.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3

**Woodhouse's toad**

*Anaxyrus woodhousii*

Terrestrial and aquatic: A wide variety of terrestrial habitats are used by this species, including forests, grasslands, and barrier island sand dunes. Aquatic habitats are equally varied.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: SU

### BIRDS

**bald eagle**

*Haliaeetus leucocephalus*

Found primarily near rivers and large lakes; nests in tall trees or on cliffs near water; communally roosts, especially in winter; hunts live prey, scavenges, and pirates food from other birds

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3B,S3N

**black rail**

*Laterallus jamaicensis*

The county distribution for this species includes geographic areas that the species may use during migration. Time of year should be factored into evaluations to determine potential presence of this species in a specific county. Salt, brackish, and freshwater marshes, pond borders, wet meadows, and grassy swamps; nests in or along edge of marsh, sometimes on damp ground, but usually on mat of previous years dead grasses; nest usually hidden in marsh grass or at base of Salicornia

Federal Status: LT	State Status: T	SGCN: Y
Endemic: N	Global Rank: G3	State Rank: S2

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## KAUFMAN COUNTY

### BIRDS

**chestnut-collared longspur**

*Calcarius ornatus*

Occurs in open shortgrass settings especially in patches with some bare ground. Also occurs in grain sorghum fields and Conservation Reserve Program lands

Federal Status:

State Status:

SGCN: Y

Endemic: N

Global Rank: G5

State Rank: S3

**Franklin's gull**

*Leucophaeus pipixcan*

The county distribution for this species includes geographic areas that the species may use during migration. Time of year should be factored into evaluations to determine potential presence of this species in a specific county. This species is only a spring and fall migrant throughout Texas. It does not breed in or near Texas. Winter records are unusual consisting of one or a few individuals at a given site (especially along the Gulf coastline). During migration, these gulls fly during daylight hours but often come down to wetlands, lake shore, or islands to roost for the night.

Federal Status:

State Status:

SGCN: Y

Endemic: N

Global Rank: G5

State Rank: S2N

**piping plover**

*Charadrius melodus*

The county distribution for this species includes geographic areas that the species may use during migration. Time of year should be factored into evaluations to determine potential presence of this species in a specific county. Beaches, sandflats, and dunes along Gulf Coast beaches and adjacent offshore islands. Also spoil islands in the Intracoastal Waterway. Based on the November 30, 1992 Section 6 Job No. 9.1, Piping Plover and Snowy Plover Winter Habitat Status Survey, algal flats appear to be the highest quality habitat. Some of the most important aspects of algal flats are their relative inaccessibility and their continuous availability throughout all tidal conditions. Sand flats often appear to be preferred over algal flats when both are available, but large portions of sand flats along the Texas coast are available only during low-very low tides and are often completely unavailable during extreme high tides or strong north winds. Beaches appear to serve as a secondary habitat to the flats associated with the primary bays, lagoons, and inter-island passes. Beaches are rarely used on the southern Texas coast, where bayside habitat is always available, and are abandoned as bayside habitats become available on the central and northern coast. However, beaches are probably a vital habitat along the central and northern coast (i.e. north of Padre Island) during periods of extreme high tides that cover the flats. Optimal site characteristics appear to be large in area, sparsely vegetated, continuously available or in close proximity to secondary habitat, and with limited human disturbance.

Federal Status: LT

State Status: T

SGCN: Y

Endemic: N

Global Rank: G3

State Rank: S2N

**rufa red knot**

*Calidris canutus rufa*

The county distribution for this species includes geographic areas that the species may use during migration. Time of year should be factored into evaluations to determine potential presence of this species in a specific county. Habitat: Primarily seacoasts on tidal flats and beaches, herbaceous wetland, and Tidal flat/shore. Bolivar Flats in Galveston County, sandy beaches Mustang Island, few on outer coastal and barrier beaches, tidal mudflats and salt marshes.

Federal Status: LT

State Status: T

SGCN: Y

Endemic: N

Global Rank: G4T2

State Rank: S2N

**Sprague's pipit**

*Anthus spragueii*

The county distribution for this species includes geographic areas that the species may use during migration. Time of year should be factored into evaluations to determine potential presence of this species in a specific county. Habitat during migration and in winter consists of pastures and weedy fields (AOU 1983), including grasslands with dense herbaceous vegetation or grassy agricultural fields.

Federal Status:

State Status:

SGCN: Y

Endemic: N

Global Rank: G3G4

State Rank: S3N

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## KAUFMAN COUNTY

### BIRDS

<b>western burrowing owl</b>	<i>Athene cunicularia hypugaea</i>	
Open grasslands, especially prairie, plains, and savanna, sometimes in open areas such as vacant lots near human habitation or airports; nests and roosts in abandoned burrows		
Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4T4	State Rank: S2

<b>white-faced ibis</b>	<i>Plegadis chihi</i>	
The county distribution for this species includes geographic areas that the species may use during migration. Time of year should be factored into evaluations to determine potential presence of this species in a specific county. Prefers freshwater marshes, sloughs, and irrigated rice fields, but will attend brackish and saltwater habitats; currently confined to near-coastal rookeries in so-called hog-wallow prairies. Nests in marshes, in low trees, on the ground in bulrushes or reeds, or on floating mats.		
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S4B

<b>whooping crane</b>	<i>Grus americana</i>	
The county distribution for this species includes geographic areas that the species may use during migration. Time of year should be factored into evaluations to determine potential presence of this species in a specific county. Small ponds, marshes, and flooded grain fields for both roosting and foraging. Potential migrant via plains throughout most of state to coast; winters in coastal marshes of Aransas, Calhoun, and Refugio counties.		
Federal Status: LE	State Status: E	SGCN: Y
Endemic: N	Global Rank: G1	State Rank: S1S2N

<b>wood stork</b>	<i>Mycteria americana</i>	
The county distribution for this species includes geographic areas that the species may use during migration. Time of year should be factored into evaluations to determine potential presence of this species in a specific county. Prefers to nest in large tracts of baldcypress ( <i>Taxodium distichum</i> ) or red mangrove ( <i>Rhizophora mangle</i> ); forages in prairie ponds, flooded pastures or fields, ditches, and other shallow standing water, including salt-water; usually roosts communally in tall snags, sometimes in association with other wading birds (i.e. active heronries); breeds in Mexico and birds move into Gulf States in search of mud flats and other wetlands, even those associated with forested areas; formerly nested in Texas, but no breeding records since 1960.		
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: SHB,S2N

### INSECTS

<b>American bumblebee</b>	<i>Bombus pensylvanicus</i>	
Habitat description is not available at this time.		
Federal Status:	State Status:	SGCN: Y
Endemic:	Global Rank: G3G4	State Rank: SNR

### MAMMALS

<b>big brown bat</b>	<i>Eptesicus fuscus</i>	
Any wooded areas or woodlands except south Texas. Riparian areas in west Texas.		
Federal Status:	State Status:	SGCN: Y

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## KAUFMAN COUNTY

## MAMMALS

**black bear** *Ursus americanus*

Generalist. Historically found throughout Texas. In Chisos, prefers higher elevations where pinyon-oaks predominate; also occasionally sighted in desert scrub of Trans-Pecos (Black Gap Wildlife Management Area) and Edwards Plateau in juniper-oak habitat. For ssp. *luteolus*, bottomland hardwoods, floodplain forests, upland hardwoods with mixed pine; marsh. Bottomland hardwoods and large tracts of inaccessible forested areas.

Federal Status: State Status: T SGCN: Y  
Endemic: N Global Rank: G5 State Rank: S3

## **eastern red bat** *Lasiurus borealis*

Red bats are migratory bats that are common across Texas. They are most common in the eastern and central parts of the state, due to their requirement of forests for foliage roosting. West Texas specimens are associated with forested areas (cottonwoods). Also common along the coastline. These bats are highly mobile, seasonally migratory, and practice a type of "wandering migration". Associations with specific habitat is difficult unless specific migratory stopover sites or wintering grounds are found. Likely associated with any forested area in East, Central, and North Texas but can occur statewide.

Federal Status: State Status: SGCN: Y  
Endemic: N Global Rank: G3G4 State Rank: S4

**eastern spotted skunk** *Spilogale putorius*

Generalist: open fields, prairies, croplands, fence rows, farmyards, forest edges & woodlands. Prefer wooded, brushy areas & tallgrass prairies. S.p. ssp. *interrupta* found in wooded areas and tallgrass prairies, preferring rocky canyons and outcrops when such sites are available.

Federal Status: State Status: SGCN: Y  
Endemic: N Global Rank: G4 State Rank: S1S3

**hoary bat** *Lasiurus cinereus*

Hoary bats are highly migratory, high-flying bats that have been noted throughout the state. Females are known to migrate to Mexico in the winter, males tend to remain further north and may stay in Texas year-round. Commonly associated with forests (foliage roosting species) but are found in unforested parts of the state and lowland deserts. Tend to be captured over water and large, open flyways.

Federal Status: State Status: SGCN: Y  
Endemic: N Global Rank: G3G4 State Rank: S4

**long-tailed weasel** *Mustela frenata*

Includes brushlands, fence rows, upland woods and bottomland hardwoods, forest edges & rocky desert scrub. Usually live close to water.

Federal Status: State Status: SGCN: Y  
Endemic: N Global Rank: G5 State Rank: S5

**mountain lion** *Puma concolor*

Generalist; found in a wide range of habitats statewide. Found most frequently in rugged mountains & riparian zones.

Federal Status: State Status: SGCN: Y  
Endemic: N Global Rank: G5 State Rank: S2S3

**musk**rat *Ondatra zibethicus*

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## KAUFMAN COUNTY

### MAMMALS

Found in fresh or brackish marshes, lakes, ponds, swamps, and other bodies of slow-moving water. Most abundant in areas with cattail. Dens in bank burrow or conical house of vegetation in shallow vegetated water. It is primarily found in the Rio Grande near El Paso and in SE Texas in the Houston area.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S5

**southeastern myotis bat** *Myotis austroriparius*

Caves are rare in Texas portion of range; buildings, hollow trees are probably important. Historically, lowland pine and hardwood forests with large hollow trees; associated with ecological communities near water. Roosts in cavity trees of bottomland hardwoods, concrete culverts, and abandoned man-made structures.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S3?

**swamp rabbit** *Sylvilagus aquaticus*

Primarily found in lowland areas near water including: cypress bogs and marshes, floodplains, creeks and rivers.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S5

**tricolored bat** *Perimyotis subflavus*

Forest, woodland and riparian areas are important. Caves are very important to this species.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G3G4	State Rank: S2

### MOLLUSKS

**Louisiana pigtoe** *Pleurobema riddellii*

Occurs in small streams to large rivers in slow to moderate currents in substrates of clay, mud, sand, and gravel. Not known from impoundments (Howells 2010f; Randklev et al. 2013b; Troia et al. 2015). [Mussels of Texas 2019]

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G1G2	State Rank: S1

**sandbox pocketbook** *Lampsilis satula*

Occurs in small streams to large rivers in slow to moderate current in sandy mud to sand and gravel substrate. Can occur in a variety of habitats but most common in littoral habitats such as banks or backwaters or in protected areas along point bars (Randklev et al. 2013b; Randklev et al. 2014a; Troia et al. 2015). [Mussels of Texas 2019]

Federal Status:	State Status: T	SGCN: Y
Endemic:	Global Rank: G2?	State Rank: S1

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## KAUFMAN COUNTY

### MOLLUSKS

#### Texas fawnsfoot

*Truncilla macrodon*

Occurs in large rivers but may also be found in medium-sized streams. Is found in protected near shore areas such as banks and backwaters but also riffles and point bar habitats with low to moderate water velocities. Typically occurs in substrates of mud, sandy mud, gravel and cobble. Considered intolerant of reservoirs (Randklev et al. 2010; Howells 2010a; Randklev et al. 2014b,c; Randklev et al. 2017a,b). [Mussels of Texas 2019]

Federal Status: PT	State Status: T	SGCN: Y
Endemic: Y	Global Rank: G1	State Rank: S2

#### Texas heelsplitter

*Potamilus amphichaenus*

Occurs in small streams to large rivers in standing to slow-flowing water; most common in banks, backwaters and quiet pools; adapts to some reservoirs. Often found in soft substrates such as mud, silt or sand (Howells et al. 1996; Randklev et al. 2017a). [Mussels of Texas 2019]

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G1G3	State Rank: S1

#### Trinity pigtoe

*Fusconaia chunii*

Found in a variety of habitats but most common in riffles. Inhabits various substrates though most often sand, gravel, and cobble (species was recently split from Texas Pigtoe and occurs in similar habitats; Howells 2010a; Randklev et al. 2013b; Randklev et al. 2014a; Troia et al 2015). [Mussels of Texas 2020]

Federal Status:	State Status: T	SGCN: Y
Endemic: Y	Global Rank: GNR	State Rank: S1

### REPTILES

#### alligator snapping turtle

*Macrochelys temminckii*

Aquatic: Perennial water bodies; rivers, canals, lakes, and oxbows; also swamps, bayous, and ponds near running water; sometimes enters brackish coastal waters. Females emerge to lay eggs close to the waters edge.

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G3	State Rank: S2

#### eastern box turtle

*Terrapene carolina*

Terrestrial: Eastern box turtles inhabit forests, fields, forest-brush, and forest-field ecotones. In some areas they move seasonally from fields in spring to forest in summer. They commonly enters pools of shallow water in summer. For shelter, they burrow into loose soil, debris, mud, old stump holes, or under leaf litter. They can successfully hibernate in sites that may experience subfreezing temperatures.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3

#### prairie skink

*Plestiodon septentrionalis*

The prairie skink can occur in any native grassland habitat across the Rolling Plains, Blackland Prairie, Post Oak Savanna and Pineywoods ecoregions.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S2

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## KAUFMAN COUNTY

### REPTILES

**slender glass lizard**

*Ophisaurus attenuatus*

Terrestrial: Habitats include open grassland, prairie, woodland edge, open woodland, oak savannas, longleaf pine flatwoods, scrubby areas, fallow fields, and areas near streams and ponds, often in habitats with sandy soil.

Federal Status:

State Status:

SGCN: Y

Endemic: N

Global Rank: G5

State Rank: S3

**Texas horned lizard**

*Phrynosoma cornutum*

Terrestrial: Open habitats with sparse vegetation, including grass, prairie, cactus, scattered brush or scrubby trees; soil may vary in texture from sandy to rocky; burrows into soil, enters rodent burrows, or hides under rock when inactive. Occurs to 6000 feet, but largely limited below the pinyon-juniper zone on mountains in the Big Bend area.

Federal Status:

State Status: T

SGCN: Y

Endemic: N

Global Rank: G4G5

State Rank: S3

**western box turtle**

*Terrapene ornata*

Terrestrial: Ornate or western box turtles inhabit prairie grassland, pasture, fields, sandhills, and open woodland. They are essentially terrestrial but sometimes enter slow, shallow streams and creek pools. For shelter, they burrow into soil (e.g., under plants such as yucca) (Converse et al. 2002) or enter burrows made by other species.

Federal Status:

State Status:

SGCN: Y

Endemic: N

Global Rank: G5

State Rank: S3

**western chicken turtle**

*Deirochelys reticularia miaria*

Aquatic and terrestrial: This species uses aquatic habitats in the late winter, spring and early summer and then terrestrial habitats the remainder of the year. Preferred aquatic habitats seem to be highly vegetated shallow wetlands with gentle slopes. Specific terrestrial habitats are not well known.

Federal Status:

State Status:

SGCN: Y

Endemic: N

Global Rank: G5T5

State Rank: S2S3

**western hognose snake**

*Heterodon nasicus*

Terrestrial: Shortgrass or mixed grass prairie, with gravel or sandy soils. Often found associated with draws, floodplains, and more mesic habitats within the arid landscape. Frequently occurs in shrub encroached grasslands.

Federal Status:

State Status:

SGCN: Y

Endemic: N

Global Rank: G5

State Rank: S4

**western massasauga**

*Sistrurus tergeminus*

Terrestrial: Shortgrass or mixed grass prairie, with gravel or sandy soils. Often found associated with draws, floodplains, and more mesic habitats within the arid landscape. Frequently occurs in shrub encroached grasslands.

Federal Status:

State Status:

SGCN: Y

Endemic: N

Global Rank: G3G4

State Rank: S3

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## KAUFMAN COUNTY

### PLANTS

<b>Shinner's sedge</b>	<i>Carex shinnersii</i>	
Occurs in ditches and swales in prairie landscapes (Carr 2015).		
Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G3	State Rank: S2
<b>Topeka purple-coneflower</b>	<i>Echinacea atrorubens</i>	
Occurring mostly in tallgrass prairie of the southern Great Plains, in blackland prairies but also in a variety of other sites like limestone hillsides; Perennial; Flowering Apr-June		
Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G3	State Rank: S3

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# Explosive and Flammable Hazards

## Explosive and Flammable Hazards (CEST and EA)

General requirements	Legislation	Regulation
HUD-assisted projects must meet Acceptable Separation Distance (ASD) requirements to protect them from explosive and flammable hazards.	N/A	24 CFR Part 51 Subpart C
<b>Reference</b>		
<a href="https://www.hudexchange.info/environmental-review/explosive-and-flammable-facilities">https://www.hudexchange.info/environmental-review/explosive-and-flammable-facilities</a>		

**1. Does the proposed HUD-assisted project include a hazardous facility (a facility that mainly stores, handles or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries)?**

**No**

→ Continue to Question 2.

Yes

Explain:

→ Continue to Question 5.

**2. Does this project include any of the following activities: development, construction, rehabilitation that will increase residential densities, or conversion?**

**No**

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

Yes

→ Continue to Question 3.

**3. Within 1 mile of the project site, are there any current or planned stationary aboveground storage containers:**

- Of more than 100 gallon capacity, containing common liquid industrial fuels OR
- Of any capacity, containing hazardous liquids or gases that are not common liquid industrial fuels?

No

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide all documents used to make your determination.

Yes

→ Continue to Question 4.

**4. Is the Separation Distance from the project acceptable based on standards in the Regulation?**

Please visit HUD's website for information on calculating Acceptable Separation Distance.

Yes

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide map(s) showing the location of the project site relative to any tanks and your separation distance calculations. If the map identifies more than one tank, please identify the tank you have chosen as the "assessed tank."*

No

→ *Provide map(s) showing the location of the project site relative to any tanks and your separation distance calculations. If the map identifies more than one tank, please identify the tank you have chosen as the "assessed tank."*

Continue to Question 6.

**5. Is the hazardous facility located at an acceptable separation distance from residences and any other facility or area where people may congregate or be present?**

Please visit HUD's website for information on calculating Acceptable Separation Distance.

Yes

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide map(s) showing the location of the project site relative to residences and any other facility or area where people congregate or are present and your separation distance calculations.*

No

→ *Provide map(s) showing the location of the project site relative to residences and any other facility or area where people congregate or are present and your separation distance calculations.*

Continue to Question 6.

**6. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to make the Separation Distance acceptable, including the timeline for implementation. If negative effects cannot be mitigated, cancel the project at this location.**

Note that only licensed professional engineers should design and implement blast barriers. If a barrier will be used or the project will be modified to compensate for an unacceptable separation distance, provide approval from a licensed professional engineer.

## **Worksheet Summary**

### **Compliance Determination**

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

The proposed project does not include a hazardous facility (a facility that mainly stores, handles or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries) and does not include any of the following activities: development, construction, rehabilitation that will increase residential densities, or conversion.

**Are formal compliance steps or mitigation required?**

Yes

No



Todd Cave &lt;todd@caveconsulting.com&gt;

---

## Floodway Memo

4 messages

**Warner, Kelly S** <Kelly.S.Warner@hud.gov>  
To: "todd@caveconsulting.com" <todd@caveconsulting.com>

Thu, Aug 15, 2019 at 11:58 AM

Hi Todd,

It was good to see you again at TDA's training. We talked briefly about the floodway situation that David touched on in his presentation and I wanted to follow up with a copy of the memo (attached). Let me know if you have any questions and I hope this helps!

Sincerely,

Kelly Warner  
Field Environmental Officer, Region VI  
U.S. Department of Housing and Urban Development  
Office of Environment and Energy  
[801 Cherry St., Unit#45, Suite 2500](#)  
Fort Worth, Texas 76102  
[\(817\) 978-5622](#)  
[Environmental Review Website](#)  
[Subscribe to our mailing list](#)

---

 [17-13cpdn.pdf](#)  
167K

**Todd Cave** <todd@caveconsulting.com>  
To: "Warner, Kelly S" <Kelly.S.Warner@hud.gov>

Fri, Aug 16, 2019 at 9:07 AM

Kelly,

It was great visiting with you again!

I will look this memo over and let you know if I have any questions.

**On another note**, the subject of Explosive Facilities came up after you left. As I have understood it, acceptable distance comes into play when you are dealing with projects that involve habitable structures or places where people congregate. So, for example, upgrading a lift station or replacing sewer line would not be subject to the acceptable distance requirement.

However, at the TDA training, it was mentioned that any project which involved "workers" would be subject to this rule due to OSHA safety requirements. This is the first I have heard of this and I do not believe NEPA speaks to OSHA.

Do you have any guidance on this? It would be much appreciated!

Thanks!

Todd Cave, Founding Partner - (COO)  
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[Quoted text hidden]

---

**Warner, Kelly S** <Kelly.S.Warner@hud.gov>  
To: Todd Cave <todd@caveconsulting.com>  
Cc: "Myers, Laura L" <Laura.L.Myers@hud.gov>

Fri, Aug 16, 2019 at 9:56 AM

Hi Todd,

Your understanding is correct. The HUD reg under Part 51 Subpart C refers to HUD-assisted projects "intended for residential, institutional, recreational, commercial, or industrial use." Installation or rehab of the lift station wouldn't trigger the ASD requirements for workers. However, just wanted to mention that if a generator with an associated above-ground fuel source is being installed at the lift station, then you would need to do the ASD for any residences/facilities in the area.

I've cc'd Laura Myers on this email since she is the FEO assigned to TDA and may have additional guidance to offer.

Hope this helps!

[Quoted text hidden]

---

**Todd Cave** <todd@caveconsulting.com>  
To: "Warner, Kelly S" <Kelly.S.Warner@hud.gov>  
Cc: "Myers, Laura L" <Laura.L.Myers@hud.gov>

Fri, Aug 16, 2019 at 9:58 AM

Thank you for the clarification.

Have a great day / weekend!

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# **Farmlands Protection**

## Farmlands Protection (CEST and EA)

General requirements	Legislation	Regulation
The Farmland Protection Policy Act (FPPA) discourages federal activities that would convert farmland to nonagricultural purposes.	Farmland Protection Policy Act of 1981 (7 U.S.C. 4201 et seq.)	<a href="#">7 CFR Part 658</a>
<b>Reference</b>		
<a href="https://www.hudexchange.info/environmental-review/farmlands-protection">https://www.hudexchange.info/environmental-review/farmlands-protection</a>		

**1. Does your project include any activities, including new construction, acquisition of undeveloped land or conversion, that could convert agricultural land to a non-agricultural use?**

Yes → *Continue to Question 2.*

**X**No

**Explain how you determined that agricultural land would not be converted:**

According to the performance statement in the contract, the project involves replacing installing new water line in developed parts of the City.

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documentation supporting your determination.*

**2. Does “important farmland,” including prime farmland, unique farmland, or farmland of statewide or local importance regulated under the Farmland Protection Policy Act, occur on the project site?**

You may use the links below to determine important farmland occurs on the project site:

- Utilize USDA Natural Resources Conservation Service’s (NRCS) Web Soil Survey <http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm>
- Check with your city or county’s planning department and ask them to document if the project is on land regulated by the FPPA (zoning important farmland as non-agricultural does not exempt it from FPPA requirements)
- Contact NRCS at the local USDA service center <http://offices.sc.egov.usda.gov/locator/app?agency=nrcs> or your NRCS state soil scientist [http://soils.usda.gov/contact/state\\_offices/](http://soils.usda.gov/contact/state_offices/) for assistance

No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.*

Yes → *Continue to Question 3.*

**3. Consider alternatives to completing the project on important farmland and means of avoiding impacts to important farmland.**

- Complete form **AD-1006**, "Farmland Conversion Impact Rating" [http://www.nrcs.usda.gov/Internet/FSE\\_DOCUMENTS/stelprdb1045394.pdf](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1045394.pdf) and contact the state soil scientist before sending it to the local NRCS District Conservationist.

(NOTE: for corridor type projects, use instead form **NRCS-CPA-106**, "Farmland Conversion Impact Rating for Corridor Type Projects: [http://www.nrcs.usda.gov/Internet/FSE\\_DOCUMENTS/stelprdb1045395.pdf](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1045395.pdf).)

- Work with NRCS to minimize the impact of the project on the protected farmland. When you have finished with your analysis, return a copy of form AD-1006 (or form NRCS-CPA-106 if applicable) to the USDA-NRCS State Soil Scientist or his/her designee informing them of your determination.

**Document your conclusion:**

Project will proceed with mitigation.

**Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.**

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide form AD-1006 and all other documents used to make your determination.*

Project will proceed without mitigation.

**Explain why mitigation will not be made here:**

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide form AD-1006 and all other documents used to make your determination.*

**Worksheet Summary**

**Compliance Determination**

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

The project does not include activities including new construction, acquisition of undeveloped land or conversion, that could convert agricultural land to non-agricultural land.

**Are formal compliance steps or mitigation required?**

Yes

**X No**



## Land Use

- Cropland
  - Farmland Protection Policy Act
- Forestry
- Range & Pasture
  - Urban Agriculture

## FPPA Forms and Resources

- Farmland Protection Policy Act, Public Law
- FPPA Rule, 7 CFR 658
- Farmland Conversion Impact Rating (Form AD-1006)
- Farmland Conversion Impact Rating, Corridors (Form NRCS-CPA-106)

## Annual Reports

- Farmland Protection Policy Act 2020 Annual Report
- Farmland Protection Policy Act 2019 Annual Report
- Farmland Protection Policy Act 2018 Annual Report
- Farmland Protection Policy Act 2017 Annual Report
- Archived Annual FPPA Reports

## Farmland Protection Policy Act

To learn more about the Farmland Protection Policy Act, you can play the webinar below or download the webinar's [slides as a PDF](#).

Webinar - Farmland Protection Policy Act (FPPA) Overview ...



## Background



The National Agricultural Land Study of 1980-81 found that millions of acres of farmland were being converted in the United States each year. The 1981 Congressional report, *Compact Cities: Energy-Saving Strategies for the Eighties*, identified the need for Congress to implement programs and policies to protect farmland and combat urban sprawl and the waste of energy and resources that accompanies sprawling development.

The Compact Cities report indicated that much of the sprawl was the result of programs funded by the Federal Government. With this in mind, Congress passed the Agriculture and Food Act of 1981 (Public Law 97-98)

containing the Farmland Protection Policy Act (FPPA) [subtitle I of Title XV, Section 1539-1549](#). On June 17, 1994, the [final rules and regulations](#) were published in the Federal Register.

## Purpose

The FPPA is intended to minimize the impact Federal programs have on the unnecessary and irreversible conversion of farmland to nonagricultural uses. It assures that to the extent possible federal programs are administered to be compatible with state, local units of government, and private programs and policies to protect farmland. Federal agencies are required to develop and review their policies and procedures to implement the FPPA every two years.

The FPPA does not authorize the Federal Government to regulate the use of private or nonfederal land or, in any way, affect the property rights of owners.

For the purpose of FPPA, farmland includes prime farmland, unique farmland, and land of statewide or local importance. Farmland subject to FPPA requirements does not have to be currently used for cropland. It can be forest land, pastureland, cropland, or other land, but not water or urban built-up land.

## Projects and Activities

Projects are subject to FPPA requirements if they may irreversibly convert farmland (directly or indirectly) to nonagricultural use and are completed by a Federal agency or with assistance from a Federal agency.

**Assistance from a Federal agency includes:**

- Acquiring or disposing of land.
- Providing financing or loans.
- Managing property.
- Providing technical assistance

**Activities that may be subject to FPPA include:**

- State highway construction projects, (through the Federal Highway Administration)
- Airport expansions
- Electric cooperative construction projects
- Railroad construction projects
- Telephone company construction projects
- Reservoir and hydroelectric projects
- Federal agency projects that convert farmland
- Other projects completed with Federal assistance.

**Activities not subject to FPPA include:**

- Federal permitting and licensing
- Projects planned and completed without the assistance of a Federal agency
- Projects on land already in urban development or used for water storage
- Construction within an existing right-of-way purchased on or before August 4, 1984
- Construction for national defense purposes
- Construction of on-farm structures needed for farm operations
- Surface mining, where restoration to agricultural use is planned
- Construction of new minor secondary structures such as a garage or storage shed.

**Farmland Conversion Impact Rating Form**

If you represent a Federal agency in a project that has the potential to convert important farmland to non-farm use, please contact your local office of the Natural Resources Conservation Service (NRCS) or USDA Service Center. NRCS uses a land evaluation and site assessment (LESA) system to establish a farmland conversion impact rating score on proposed sites of Federally funded and assisted projects. This score is used as an indicator for the project sponsor to consider alternative sites if the potential adverse impacts on the farmland exceed the recommended allowable level.

The assessment is completed on form [AD-1006, Farmland Conversion Impact Rating](#). The sponsoring agency completes the site assessment portion of the AD-1006, which assesses non-soil related criteria such as the potential for impact on the local agricultural economy if the land is converted to non-farm use and compatibility with existing agricultural use.

**Program Contacts**

[David Kingsbury](#), Acting National Leader - Technical Soil Services, 304-284-7589

[John Andreoni](#), Management Analyst - Soil & Plant Science Division, 720-544-2841

State FPPA Contacts

[NRCS Home](#) | [USDA.gov](#) | [Site Map](#) | [Civil Rights](#) | [FOIA](#) | [Plain Writing](#) | [Accessibility Statement](#)

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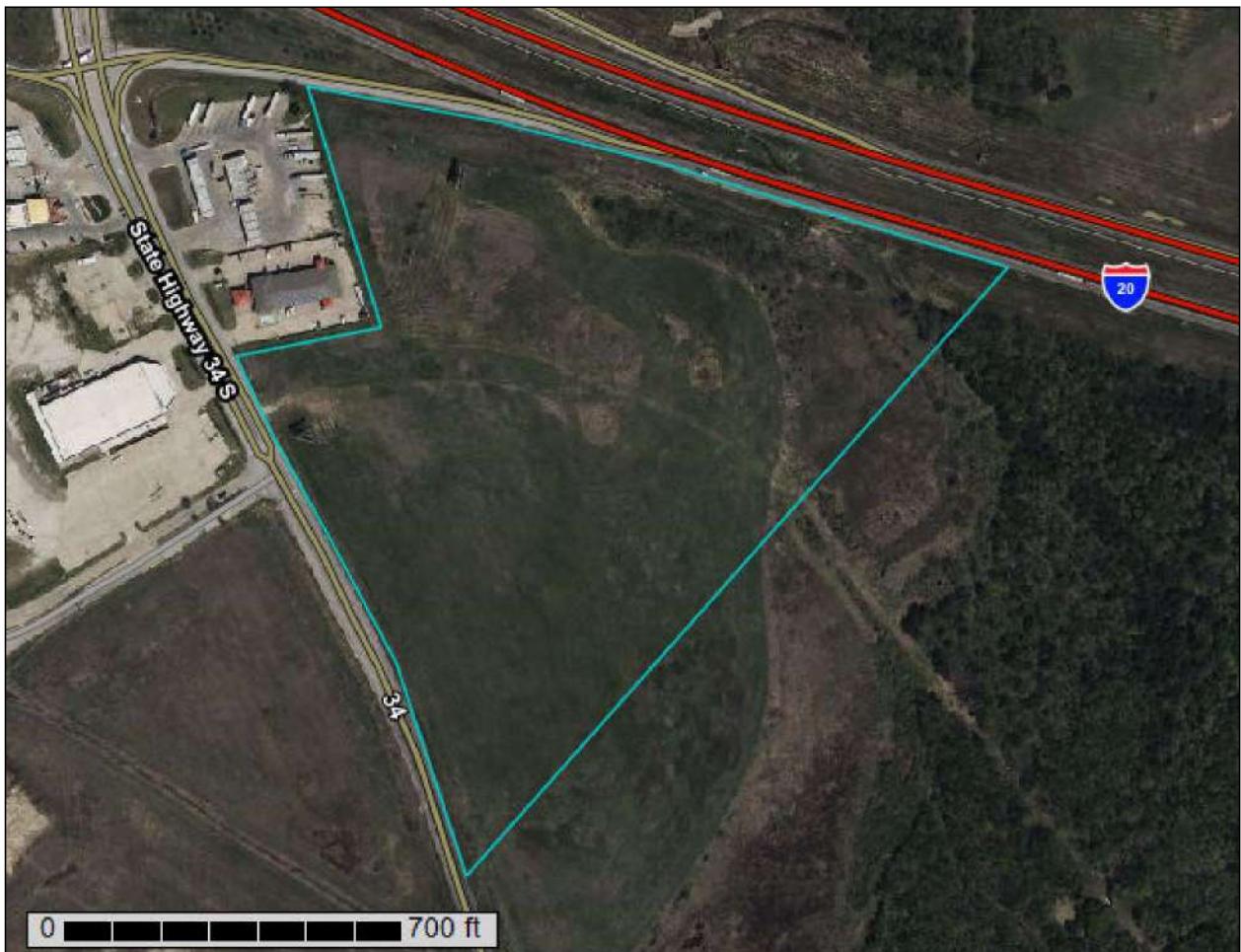
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Agriculture



Natural  
Resources  
Conservation  
Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

# Custom Soil Resource Report for Kaufman and Rockwall Counties, Texas



# Preface

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Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist ([http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2\\_053951](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951)).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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# How Soil Surveys Are Made

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Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units).

Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

## Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

# **Soil Map**

---

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

## Custom Soil Resource Report Soil Map



## MAP LEGEND

<b>Area of Interest (AOI)</b>		Area of Interest (AOI)
<b>Soils</b>		Soil Map Unit Polygons
		Soil Map Unit Lines
		Soil Map Unit Points
<b>Special Point Features</b>		Blowout
		Borrow Pit
		Clay Spot
		Closed Depression
		Gravel Pit
		Gravelly Spot
		Landfill
		Lava Flow
		Marsh or swamp
		Mine or Quarry
		Miscellaneous Water
		Perennial Water
		Rock Outcrop
		Saline Spot
		Sandy Spot
		Severely Eroded Spot
		Sinkhole
		Slide or Slip
		Sodic Spot

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL:  
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Kaufman and Rockwall Counties, Texas  
Survey Area Data: Version 19, Aug 24, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 3, 2022—Apr 7, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CrB	Crockett fine sandy loam, 1 to 3 percent slopes	5.0	17.4%
CrC2	Crockett fine sandy loam, 2 to 5 percent slopes, eroded	6.3	21.9%
FhC	Ferris-Heiden complex, 2 to 5 percent slopes	3.5	12.3%
Gf	Gowen clay loam, frequently flooded	2.0	7.0%
HoB	Houston Black clay, 1 to 3 percent slopes	1.9	6.7%
Ka	Kaufman clay, 0 to 1 percent slopes, occasionally flooded	3.4	11.8%
NoC2	Normangee clay loam, 2 to 8 percent slopes, eroded	6.6	23.0%
<b>Totals for Area of Interest</b>		<b>28.8</b>	<b>100.0%</b>

## Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit

descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

## Kaufman and Rockwall Counties, Texas

### **CrB—Crockett fine sandy loam, 1 to 3 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 2ssh8

*Elevation:* 200 to 810 feet

*Mean annual precipitation:* 36 to 47 inches

*Mean annual air temperature:* 63 to 68 degrees F

*Frost-free period:* 239 to 276 days

*Farmland classification:* Farmland of statewide importance

#### **Map Unit Composition**

*Crockett and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Crockett**

##### **Setting**

*Landform:* Ridges

*Landform position (two-dimensional):* Summit, shoulder

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Linear

*Across-slope shape:* Convex

*Parent material:* Loamy residuum weathered from shale of cretaceous age

##### **Typical profile**

*A - 0 to 8 inches:* fine sandy loam

*Btss - 8 to 25 inches:* clay

*Btkss - 25 to 45 inches:* clay

*BCk - 45 to 53 inches:* clay

*Cdk - 53 to 72 inches:* clay loam

##### **Properties and qualities**

*Slope:* 1 to 3 percent

*Depth to restrictive feature:* 43 to 60 inches to densic bedrock

*Drainage class:* Moderately well drained

*Runoff class:* High

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 30 percent

*Gypsum, maximum content:* 2 percent

*Maximum salinity:* Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 10.0

*Available water supply, 0 to 60 inches:* Moderate (about 8.2 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* D

*Ecological site:* R086AY004TX - Southern Claypan Prairie

*Hydric soil rating:* No

#### **Minor Components**

##### **Normangee**

*Percent of map unit:* 10 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Summit, shoulder

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Linear

*Across-slope shape:* Convex

*Ecological site:* R086AY004TX - Southern Claypan Prairie

*Hydric soil rating:* No

##### **Wilson**

*Percent of map unit:* 5 percent

*Landform:* Stream terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Linear

*Across-slope shape:* Concave

*Ecological site:* R086AY004TX - Southern Claypan Prairie

*Hydric soil rating:* No

## **CrC2—Crockett fine sandy loam, 2 to 5 percent slopes, eroded**

#### **Map Unit Setting**

*National map unit symbol:* 2ssh9

*Elevation:* 230 to 620 feet

*Mean annual precipitation:* 36 to 47 inches

*Mean annual air temperature:* 63 to 68 degrees F

*Frost-free period:* 239 to 276 days

*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Crockett, eroded, and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Crockett, Eroded**

##### **Setting**

*Landform:* Ridges

*Landform position (two-dimensional):* Summit, shoulder

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Linear

*Across-slope shape:* Convex

*Parent material:* Loamy residuum weathered from shale of cretaceous age

##### **Typical profile**

*A - 0 to 8 inches:* fine sandy loam

*Btss - 8 to 25 inches:* clay

*Btkss* - 25 to 45 inches: clay  
*BCk* - 45 to 53 inches: clay  
*Cdk* - 53 to 72 inches: clay loam

#### **Properties and qualities**

*Slope*: 2 to 5 percent  
*Depth to restrictive feature*: 43 to 60 inches to dense bedrock  
*Drainage class*: Moderately well drained  
*Runoff class*: High  
*Capacity of the most limiting layer to transmit water (Ksat)*: Moderately low to moderately high (0.06 to 0.20 in/hr)  
*Depth to water table*: More than 80 inches  
*Frequency of flooding*: None  
*Frequency of ponding*: None  
*Calcium carbonate, maximum content*: 30 percent  
*Gypsum, maximum content*: 2 percent  
*Maximum salinity*: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)  
*Sodium adsorption ratio, maximum*: 10.0  
*Available water supply, 0 to 60 inches*: Moderate (about 8.2 inches)

#### **Interpretive groups**

*Land capability classification (irrigated)*: None specified  
*Land capability classification (nonirrigated)*: 4e  
*Hydrologic Soil Group*: D  
*Ecological site*: R086AY004TX - Southern Claypan Prairie  
*Hydric soil rating*: No

#### **Minor Components**

##### **Normangee**

*Percent of map unit*: 10 percent  
*Landform*: Ridges  
*Landform position (two-dimensional)*: Summit, shoulder  
*Landform position (three-dimensional)*: Interfluve  
*Down-slope shape*: Linear  
*Across-slope shape*: Convex  
*Ecological site*: R086AY004TX - Southern Claypan Prairie  
*Hydric soil rating*: No

##### **Wilson**

*Percent of map unit*: 5 percent  
*Landform*: Stream terraces  
*Landform position (three-dimensional)*: Tread  
*Down-slope shape*: Linear  
*Across-slope shape*: Concave  
*Ecological site*: R086AY004TX - Southern Claypan Prairie  
*Hydric soil rating*: No

## FhC—Ferris-Heiden complex, 2 to 5 percent slopes

### Map Unit Setting

*National map unit symbol: 2v1v7*

*Elevation: 320 to 920 feet*

*Mean annual precipitation: 35 to 39 inches*

*Mean annual air temperature: 64 to 66 degrees F*

*Frost-free period: 233 to 257 days*

*Farmland classification: All areas are prime farmland*

### Map Unit Composition

*Ferris and similar soils: 50 percent*

*Heiden and similar soils: 40 percent*

*Minor components: 10 percent*

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Ferris

#### Setting

*Landform: Ridges*

*Landform position (two-dimensional): Backslope*

*Landform position (three-dimensional): Side slope*

*Microfeatures of landform position: Linear gilgai*

*Down-slope shape: Linear*

*Across-slope shape: Convex*

*Parent material: Clayey residuum weathered from mudstone*

#### Typical profile

*Ap - 0 to 10 inches: clay*

*Bkss1 - 10 to 30 inches: clay*

*Bkss2 - 30 to 45 inches: clay*

*Cdk - 45 to 60 inches: clay*

#### Properties and qualities

*Slope: 3 to 5 percent*

*Depth to restrictive feature: 39 to 60 inches to densic bedrock*

*Drainage class: Well drained*

*Runoff class: Very high*

*Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)*

*Depth to water table: More than 80 inches*

*Frequency of flooding: None*

*Frequency of ponding: None*

*Calcium carbonate, maximum content: 30 percent*

*Gypsum, maximum content: 5 percent*

*Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)*

*Sodium adsorption ratio, maximum: 12.0*

*Available water supply, 0 to 60 inches: Moderate (about 7.6 inches)*

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* D  
*Ecological site:* R086AY009TX - Southern Eroded Blackland  
*Hydric soil rating:* No

### Description of Heiden

#### Setting

*Landform:* Ridges  
*Landform position (two-dimensional):* Shoulder, backslope  
*Landform position (three-dimensional):* Interfluve, side slope  
*Microfeatures of landform position:* Linear gilgai  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Parent material:* Clayey residuum weathered from mudstone

#### Typical profile

*Ap - 0 to 5 inches:* clay  
*A - 5 to 15 inches:* clay  
*Bkss1 - 15 to 38 inches:* clay  
*Bkss2 - 38 to 64 inches:* clay  
*CBdk - 64 to 80 inches:* clay

#### Properties and qualities

*Slope:* 2 to 4 percent  
*Depth to restrictive feature:* 48 to 65 inches to densic material  
*Drainage class:* Well drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 40 percent  
*Gypsum, maximum content:* 5 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 12.0  
*Available water supply, 0 to 60 inches:* High (about 9.6 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* D  
*Ecological site:* R086AY011TX - Southern Blackland  
*Hydric soil rating:* No

### Minor Components

#### Ferris, moderately eroded

*Percent of map unit:* 5 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Microfeatures of landform position:* Linear gilgai

*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Ecological site:* R086AY009TX - Southern Eroded Blackland  
*Hydric soil rating:* No

#### **Altoga**

*Percent of map unit:* 5 percent  
*Landform:* Stream terraces  
*Landform position (three-dimensional):* Riser  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Ecological site:* R086AY007TX - Southern Clay Loam  
*Hydric soil rating:* No

### **Gf—Gowen clay loam, frequently flooded**

#### **Map Unit Setting**

*National map unit symbol:* dkns  
*Elevation:* 200 to 950 feet  
*Mean annual precipitation:* 28 to 40 inches  
*Mean annual air temperature:* 64 to 70 degrees F  
*Frost-free period:* 230 to 270 days  
*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Gowen and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Gowen**

##### **Setting**

*Landform:* Flood plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Loamy alluvium of holocene age derived from mixed sources

##### **Typical profile**

*H1 - 0 to 25 inches:* clay loam  
*H2 - 25 to 60 inches:* clay loam

##### **Properties and qualities**

*Slope:* 0 to 1 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* FrequentNone  
*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 5 percent  
*Gypsum, maximum content:* 2 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water supply, 0 to 60 inches:* High (about 10.8 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 5w  
*Hydrologic Soil Group:* B  
*Ecological site:* R086AY012TX - Loamy Bottomland  
*Hydric soil rating:* No

## **HoB—Houston Black clay, 1 to 3 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 2ssh0  
*Elevation:* 270 to 1,040 feet  
*Mean annual precipitation:* 33 to 43 inches  
*Mean annual air temperature:* 62 to 63 degrees F  
*Frost-free period:* 217 to 244 days  
*Farmland classification:* All areas are prime farmland

**Map Unit Composition**

*Houston black and similar soils:* 80 percent  
*Minor components:* 20 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Houston Black**

**Setting**

*Landform:* Ridges  
*Landform position (two-dimensional):* Summit, shoulder  
*Landform position (three-dimensional):* Interfluve  
*Microfeatures of landform position:* Linear gilgai  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Convex, linear  
*Parent material:* Clayey residuum weathered from calcareous mudstone of upper cretaceous age

**Typical profile**

*Ap - 0 to 6 inches:* clay  
*Bkss - 6 to 70 inches:* clay  
*BCkss - 70 to 80 inches:* clay

**Properties and qualities**

*Slope:* 1 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Moderately well drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)  
*Depth to water table:* More than 80 inches

*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 35 percent  
*Gypsum, maximum content:* 5 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 2.0  
*Available water supply, 0 to 60 inches:* High (about 9.6 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2e  
*Hydrologic Soil Group:* D  
*Ecological site:* R086AY011TX - Southern Blackland  
*Hydric soil rating:* No

#### **Minor Components**

##### **Heiden**

*Percent of map unit:* 15 percent  
*Landform:* Plains  
*Landform position (two-dimensional):* Shoulder  
*Landform position (three-dimensional):* Interfluve  
*Microfeatures of landform position:* Linear gilgai  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Ecological site:* R086AY011TX - Southern Blackland  
*Hydric soil rating:* No

##### **Fairlie**

*Percent of map unit:* 5 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Footslope, toeslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Ecological site:* R086AY011TX - Southern Blackland  
*Hydric soil rating:* No

## **Ka—Kaufman clay, 0 to 1 percent slopes, occasionally flooded**

#### **Map Unit Setting**

*National map unit symbol:* 2ypvg  
*Elevation:* 130 to 670 feet  
*Mean annual precipitation:* 36 to 44 inches  
*Mean annual air temperature:* 63 to 67 degrees F  
*Frost-free period:* 223 to 275 days  
*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Kaufman and similar soils:* 85 percent

*Minor components: 15 percent  
Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Kaufman

#### Setting

*Landform: Flood plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Clayey alluvium derived from mudstone*

#### Typical profile

*A - 0 to 6 inches: clay  
Bss1 - 6 to 69 inches: clay  
Bss2 - 69 to 80 inches: clay*

#### Properties and qualities

*Slope: 0 to 1 percent  
Depth to restrictive feature: More than 80 inches  
Drainage class: Moderately well drained  
Runoff class: High  
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)  
Depth to water table: More than 80 inches  
Frequency of flooding: OccasionalNone  
Frequency of ponding: None  
Calcium carbonate, maximum content: 2 percent  
Gypsum, maximum content: 5 percent  
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
Sodium adsorption ratio, maximum: 4.0  
Available water supply, 0 to 60 inches: Moderate (about 7.4 inches)*

#### Interpretive groups

*Land capability classification (irrigated): None specified  
Land capability classification (nonirrigated): 2w  
Hydrologic Soil Group: D  
Ecological site: R086AY013TX - Clayey Bottomland  
Hydric soil rating: No*

### Minor Components

#### Trinity

*Percent of map unit: 10 percent  
Landform: Flood plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Ecological site: R086AY013TX - Clayey Bottomland  
Hydric soil rating: Yes*

#### Gladewater

*Percent of map unit: 4 percent  
Landform: Flood plains  
Down-slope shape: Linear  
Across-slope shape: Concave  
Ecological site: R086BY007TX - Clayey Bottomland  
Hydric soil rating: No*

**Gowker**

*Percent of map unit:* 1 percent  
*Landform:* Flood plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* R086BY006TX - Loamy Bottomland  
*Hydric soil rating:* No

**NoC2—Normangee clay loam, 2 to 8 percent slopes, eroded**

**Map Unit Setting**

*National map unit symbol:* dkpc  
*Elevation:* 350 to 800 feet  
*Mean annual precipitation:* 32 to 42 inches  
*Mean annual air temperature:* 63 to 70 degrees F  
*Frost-free period:* 220 to 270 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Normangee, eroded, and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Normangee, Eroded**

**Setting**

*Landform:* Ridges  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Parent material:* Residuum weathered from shale of eocene age

**Typical profile**

*H1 - 0 to 2 inches:* clay loam  
*H2 - 2 to 57 inches:* clay  
*H3 - 57 to 80 inches:* stratified channery clay

**Properties and qualities**

*Slope:* 2 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Moderately well drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 5 percent  
*Gypsum, maximum content:* 5 percent  
*Maximum salinity:* Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

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*Sodium adsorption ratio, maximum:* 10.0

*Available water supply, 0 to 60 inches:* High (about 9.0 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* D

*Ecological site:* R086AY003TX - Northern Claypan Prairie

*Hydric soil rating:* No

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# Floodplain Management

# National Flood Hazard Layer FIRMette



96°17'20"W 32°45'38"N

Terrell CDV21-0329-Water



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

### SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)  
Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee Zone D

### OTHER AREAS OF FLOOD HAZARD

- NO SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard Zone D

### OTHER AREAS

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- 8 - - - Coastal Transect
- ~~~513~~~ Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

### OTHER FEATURES

- Digital Data Available
- No Digital Data Available
- Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/27/2023 at 3:56 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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0 250 500

1,000

1,500

Feet

1:6,000

96°16'42"W 32°45'7"N

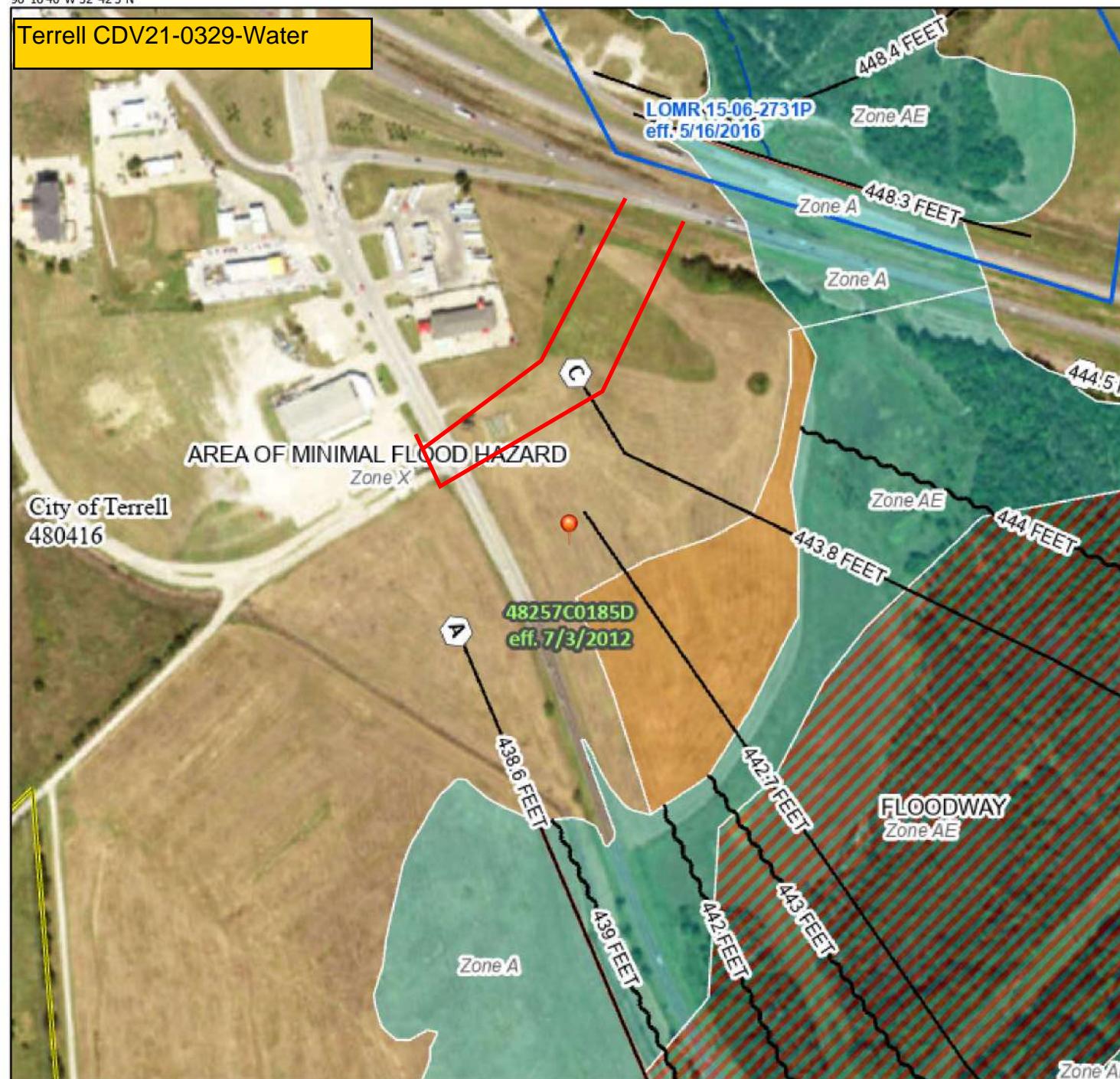
Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

# National Flood Hazard Layer FIRMette



96°16'40"W 32°42'5"N

Terrell CDV21-0329-Water



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

### SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X

Future Conditions 1% Annual Chance Flood Hazard Zone X

Area with Reduced Flood Risk due to Levee. See Notes. Zone X

Area with Flood Risk due to Levee Zone D

NO SCREEN Area of Minimal Flood Hazard Zone X

Effective LOMRs

Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

CROSS SECTIONS

- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation

COASTAL TRANSECT

BASE FLOOD ELEVATION LINE (BFE)

LIMIT OF STUDY

JURISDICTION BOUNDARY

COASTAL TRANSECT BASELINE

PROFILE BASELINE

HYDROGRAPHIC FEATURE

### OTHER FEATURES

DIGITAL DATA AVAILABLE

NO DIGITAL DATA AVAILABLE

UNMAPPED



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/27/2023 at 3:49 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

0 250 500

1,000

1,500

2,000

Feet  
1:6,000

96°16'3"W 32°41'35"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

# Historical Preservation

Texas Historical Commission



John Murrell &lt;jmurrell@publicmgt.com&gt;

## Terrell CDV21-0329-Water

noreply@thc.state.tx.us <noreply@thc.state.tx.us>  
To: jmurrell@publicmgt.com, reviews@thc.state.tx.us

Tue, Apr 4, 2023 at 9:22 AM



**Re:** Project Review under Section 106 of the National Historic Preservation Act and/or the Antiquities Code of Texas  
**THC Tracking #202306030**

**Date:** 04/04/2023

Terrell CDV21-0329-Water  
Poetry Rd North/Cross Country South  
Terrell, TX 75160

**Description:** Install water loop services.

Dear John Murrell:

Thank you for your submittal regarding the above-referenced project. This response represents the comments of the State Historic Preservation Officer, the Executive Director of the Texas Historical Commission (THC), pursuant to review under Section 106 of the National Historic Preservation Act and the Antiquities Code of Texas.

The review staff, led by Arlo McKee and Caitlin Brashear, has completed its review and has made the following determinations based on the information submitted for review:

### Above-Ground Resources

- No historic properties are present or affected by the project as proposed. However, if historic properties are discovered or unanticipated effects on historic properties are found, work should cease in the immediate area; work can continue where no historic properties are present. Please contact the THC's History Programs Division at 512-463-5853 to consult on further actions that may be necessary to protect historic properties.

### Archeology Comments

- No historic properties affected. However, if cultural materials are encountered during construction or disturbance activities, work should cease in the immediate area; work can continue where no cultural materials are present. Please contact the THC's Archeology Division at 512-463-6096 to consult on further actions that may be necessary to protect the cultural remains.

We look forward to further consultation with your office and hope to maintain a partnership that will foster effective historic preservation. Thank you for your cooperation in this review process, and for your efforts to preserve the irreplaceable heritage of Texas. If the project changes, or if new historic properties are found, please contact the review staff. If you have any questions concerning our review or if we can be of further assistance, please email the following reviewers: [Arlo.McKee@thc.texas.gov](mailto:Arlo.McKee@thc.texas.gov), [caitlin.brashier@thc.texas.gov](mailto:caitlin.brashier@thc.texas.gov).

This response has been sent through the electronic THC review and compliance system (eTRAC). Submitting your project via eTRAC eliminates mailing delays and allows you to check the status of the review, receive an electronic response, and generate reports on your submissions. For more information, visit <http://thc.texas.gov/etrac-system>.

Sincerely,



for Mark Wolfe, State Historic Preservation Officer  
Executive Director, Texas Historical Commission

**Please do not respond to this email.**

[Home](#) | [Check Reviews](#) | [Submit](#) | [Abstracts](#) | [Shapefiles](#) |*electronic THC review and compliance*Hello jmurrell@publicmgt.com [Log off](#)

## REVIEW REQUEST CONFIRMATION

**Your request for consultation has been successfully submitted to the Texas Historical Commission.**

**Project Name**

Terrell CDV21-0329-Water

**Track Number**

202306030

**Date Received**

3/13/2023 11:53:00 AM

**Due Date:**

4/12/2023 11:53:00 AM (30 Days)

**Thank you!**

---

© 2023 - Texas Historical Commission



John Murrell &lt;jmurrell@publicmgt.com&gt;

---

## Project Review Submission

---

**NoResponse@thc.state.tx.us** <NoResponse@thc.state.tx.us>  
To: jmurrell@publicmgt.com

Mon, Mar 13, 2023 at 11:53 AM

**Thank you for submitting project:** Terrell CDV21-0329-Water

**Tracking Number:** 202306030

**Due Date:** 4/12/2023 11:53:00 AM (30 days)

**TEXAS HISTORICAL COMMISSION**

# Terrell Atlas



March 9, 2023

1:72,224

- Museum
- ★ National Register Properties
- Historical Marker
- Cemeteries

0 0.5 1 1.5 2 mi  
0 0.75 1.5 3 km

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.  
Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap

# Interested Tribes



John Murrell &lt;jmurrell@publicmgt.com&gt;

## Terrell CDV21-0329-EA-Water - CDV21-0329

1 message

**Jonathan Rohrer** <noreply@jotform.com>  
Reply-To: jrohrer@mycaddonation.com  
To: jmurrell@publicmgt.com

Thu, Apr 13, 2023 at 1:13 PM

John

Thank you for your request for consultation, received on 04-13-2023. The Caddo Nation appreciates your willingness to conduct proper consultation, pursuant to Section 106 of the National Historic Preservation Act.

Upon review of the project and location I have determined that it does not affect known cultural, traditional or sacred sites of interest to the Caddo Nation. As such, the Caddo Nation has no objection to the project at this time. However, in the event that an inadvertent discovery of potentially relevant cultural sites, funerary objects, or human remains occurs, we request that the project be immediately halted and the proper authorities be contacted. Additionally, The Caddo Nation would need to be notified of an inadvertent discovery with 24 hours.

Should you have any question or concerns regarding this response please feel free to contact our office.

Best regards,

Jonathan

**Jonathan M. Rohrer**

Tribal Historic Preservation Officer



Caddo Nation

---

**Caddo Nation**

P.O. Box 487  
Binger, OK 73009  
t: (405)656-0970 Ext. 2070  
e: [jrohrer@mycaddonation.com](mailto:jrohrer@mycaddonation.com)

[www.mycaddonation.com](http://www.mycaddonation.com)





**Delaware Nation  
Historic Preservation Department**

31064 State Highway 281  
Anadarko, OK 73005  
Phone (405) 247-2448

April 18, 2023

To Whom It May Concern:

The Delaware Nation Historic Preservation Department received correspondence regarding the following referenced project(s):

**Project: City of Terrell, HUD Funds, CDV21-0329-EA-Water Improvements,  
Kaufman County, TX**

In accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470f), and implementing regulation 36 CFR 800, "Protection of Historic Properties," **Delaware Nation accepts your invitation for consultation on this project.**

Our office is committed to protecting tribal heritage, culture and religion with particular concern for archaeological sites potentially containing burials and associated funerary objects. According to our files, the proposed project should have **no adverse effect** on any known cultural or religious sites of interest to the Delaware Nation, but there is always the potential for discovery of archaeological resources in this area.

**Please continue with the project as planned** keeping in mind during construction should human remains and/or any Native American archaeological resources inadvertently be uncovered, all construction and ground disturbing activities should immediately be halted until the appropriate state agencies, as well as this office, are notified (within 24 hours), and a proper archaeological assessment can be made. If the project moves into the second phase, consultation with our office will need to be reinitiated.

Please note that Delaware Nation, the Delaware Tribe of Indians, and the Stockbridge Munsee Community are the only Federally Recognized Delaware/Lenape entities in the United States and consultation for Lenape homelands must be made with only the designated staff of these three Nations (and/or other federally recognized tribal nations who may have overlapping areas of interest). We appreciate your cooperation in contacting the Delaware Nation Historic Preservation Office to conduct proper Section 106 consultation. Should you have any questions, feel free to contact our offices at 405-247-2448 ext. 1403.

*Carissa Speck*

Carissa Speck  
Historic Preservation Director  
Delaware Nation  
405-247-2448 ext. 1403  
[cspeck@delawarenation-nsn.gov](mailto:cspeck@delawarenation-nsn.gov)



April 5, 2023

Rick Carmona  
Mayor

Grady Simpson  
Council Member  
District 2

Mayrani Velazquez  
Mayor Pro Tem  
District 3

Stephanie Thomas  
Deputy Mayor Pro Tem  
District 4

Andreia Reese  
Council Member  
District 5

Mike Sims  
City Manager

Durell Cooper, Chairman  
Apache Tribe of Oklahoma  
PO Box 1330  
Anadarko, OK 73005

Re: Terrell CDV21-0329-EA-Water Improvements

Dear Durell Cooper,

The City of Terrell is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of Terrell has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archaeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

The City of Terrell will conduct a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. We would like to invite you to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

To meet project timeframes, if you would like to be a consulting party on this project, can you please let us know of your interest within 30 days? If you have any initial concerns with impacts of the project on religious or cultural properties, can you please note them in your response?

An Aerial Map, Description and THC Atlas map have been enclosed for your reference.

More information on the Section 106 review process is available at <http://www.onecpd.info/environmental-review/historic-preservation/>. HUD's process for tribal consultation under Section 106 is described in a Notice available at <https://www.onecpd.info/resource/2448/notice-cpd-12-006-tribal-consultation-under-24-cfr-part-58>.

April 5, 2023  
Durell Cooper, Chairman  
Apache Tribe of Oklahoma  
Page 2

We kindly request that you send all responses to:

John Murrell, ESP  
Public Management, Inc  
15355 Vantage Pkwy W. Ste 360  
Houston, Tx 77032

[jmurrell@publicmgt.com](mailto:jmurrell@publicmgt.com)  
281-592-0439 x 40

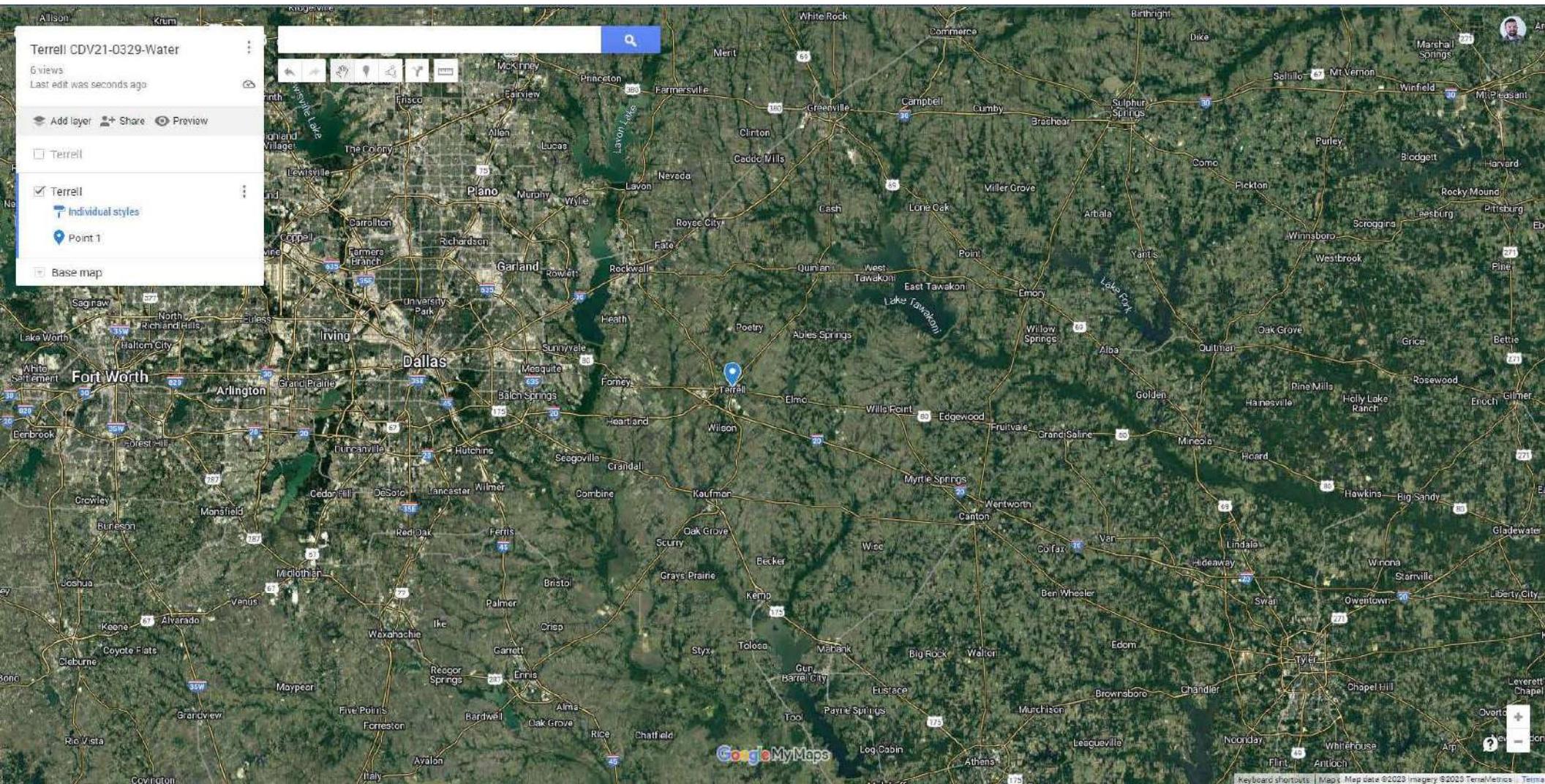
If you do not wish to consult on this project, can you please inform us and include in your reply the name and contact information for the tribe's principal representative in the consultation?

We value your assistance and look forward to consulting further if there are historic properties of religious and cultural significance to your tribe that may be affected by this project.

Sincerely,



Mike Sims, City Manager



# **Environmental Assessment**

## **Determinations and Compliance Findings for HUD-assisted Projects**

### **24 CFR Part 58**

#### **Project Information**

**Project Name:** Terrell CDV21-0329-EA-Water

**Responsible Entity:** City of Terrell

**Grant Recipient** (if different than Responsible Entity):

**State/Local Identifier:** CDV21-0329

#### **Funding Information**

- Estimated HUD Funding: \$350,000
- Estimated Non-HUD Funding: \$556,510

#### **Hours of Availability:**

Monday - Friday: 8:00am - 5:00pm

#### **Office for Information Request:**

Chris Snapp, City Engineer

City of Terrell

City Hall

201 E. Nash St

P.O. Box 310

Terrell, TX 75160

#### **Email Address for Information Request:**

[mmikeska@cityofterrell.org](mailto:mmikeska@cityofterrell.org)

#### **Description of Aggregated Project (must include work to be funded by TxCDBG):**

##### **Water Loop Services:**

The City will install sections of 12" water lines connecting other 12" mains in the City. These sections will complete the water loop in critical sections of the system that are not currently connected. The City will install approximately:

- 3,150 lf of 12" water main
- 7 hydrants
- boring

- connections
- associated appurtenances

#### Acquisition

In addition, carry out all acquisition of needed real property, easements, and/or rights-of-way including acquisition of the proposed drainage easement, in compliance with program requirements. The City anticipates one easement will be acquired for the southern section between Hwy 34 and Interstate 20.

Professional Services including Grant Administrator and Project Engineer activities.

#### LOCATION:

All work will occur in the City of Terrell, Kaufman County, Texas in the following locations:

Water loop installation:

On: Poetry Rd	From: Walnut St	To: 840 lf north of Forest Creek Ln
On: Cross Country	From: Tanger Dr	To: Interstate 20

#### **Alternative project activities if funds allow:**

Valves on Poetry and Cross-Country locations; extend water lines approx. 100' either direction with line installation/replacement

#### State Involvement:

The project occurs on land or property owned by a political subdivision of the State of Texas:

Name of Owner: City of Terrell. City of Terrell is working on acquisition of southern project site

#### Ground Disturbance:

- Area: 0.36 acres, depth: 6 linear feet

#### Previous Land Use:

The Right of Way on Poetry Rd has been in place for years. The easement that needs to be acquired is an open field.

#### Historic Properties: Structures:

The project area or area of potential effects does not include buildings, structures, or designed landscape features (such as parks or cemeteries) that are 45 years of age or older.

The project area or area of potential effects is not within or adjacent to a property or district that is listed in or eligible for listing in the National Register of Historic Places.

There are no buildings, structures, and/or landscape features within the project area or area of potential effect that are 45 years of age or older.

# Terrell Atlas



March 9, 2023

1:72,224

- Museum
- ★ National Register Properties
- Historical Marker
- Cemeteries

0 0.5 1 1.5 2 mi  
0 0.75 1.5 3 km

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.  
Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap



April 5, 2023

Rick Carmona  
Mayor

Grady Simpson  
Council Member  
District 2

Mayrani Velazquez  
Mayor Pro Tem  
District 3

Stephanie Thomas  
Deputy Mayor Pro Tem  
District 4

Andreia Reese  
Council Member  
District 5

Mike Sims  
City Manager

Jonathan Rohrer, THPO  
Caddo Nation of Oklahoma  
PO Box 487  
Binger, OK 73009

Re: Terrell CDV21-0329-EA-Water Improvements

Dear Jonathan Rohrer,

The City of Terrell is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of Terrell has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archaeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

The City of Terrell will conduct a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. We would like to invite you to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

To meet project timeframes, if you would like to be a consulting party on this project, can you please let us know of your interest within 30 days? If you have any initial concerns with impacts of the project on religious or cultural properties, can you please note them in your response?

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April 5, 2023  
Jonathan Rohrer, THPO  
Caddo Nation of Oklahoma  
Page 2

We kindly request that you send all responses to:

John Murrell, ESP  
Public Management, Inc  
15355 Vantage Pkwy W. Ste 360  
Houston, Tx 77032  
jmurrell@publicmgt.com  
281-592-0439 x 40

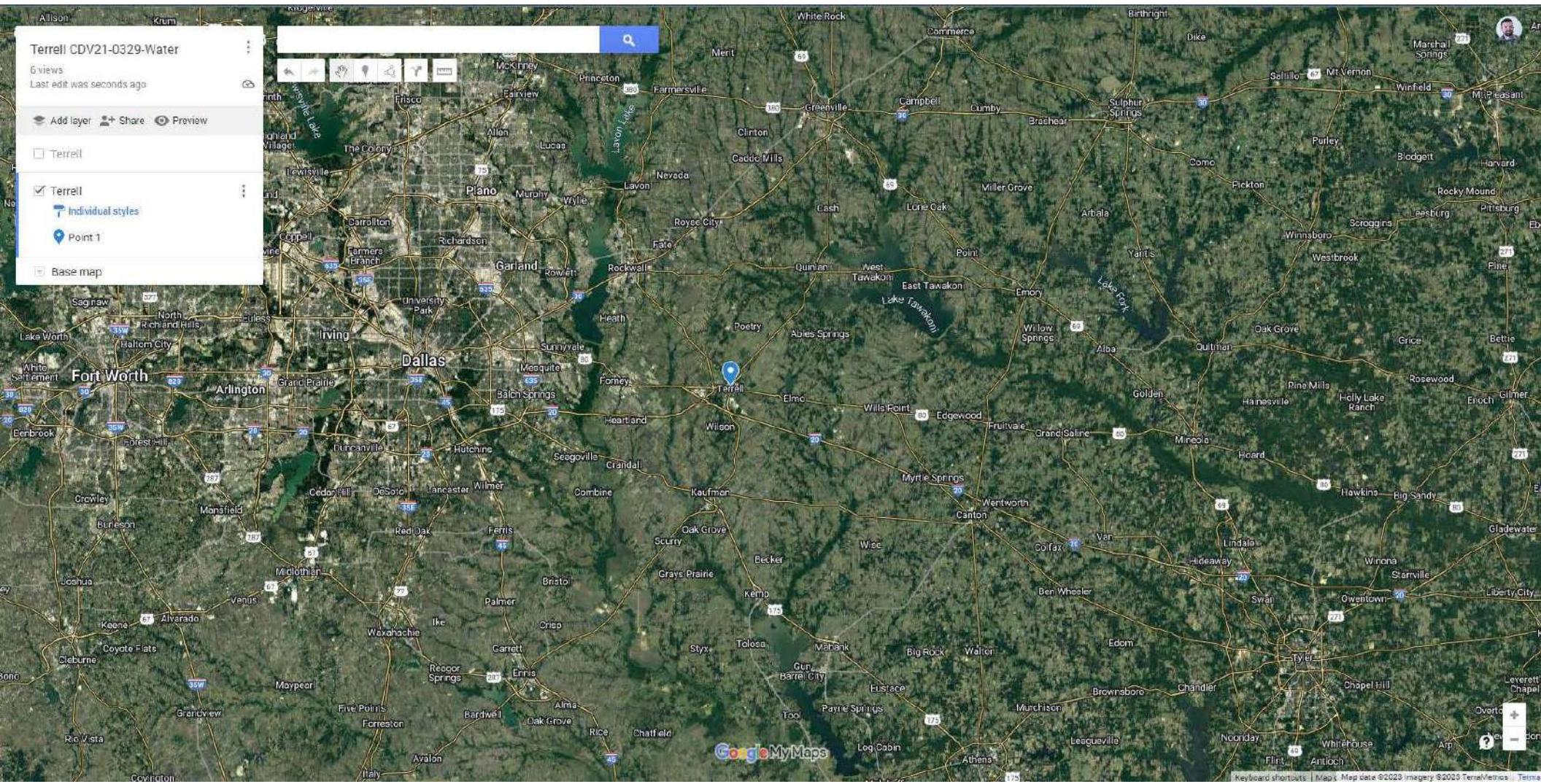
If you do not wish to consult on this project, can you please inform us and include in your reply the name and contact information for the tribe's principal representative in the consultation?

We value your assistance and look forward to consulting further if there are historic properties of religious and cultural significance to your tribe that may be affected by this project.

Sincerely,



Mike Sims, City Manager



# **Environmental Assessment**

## **Determinations and Compliance Findings for HUD-assisted Projects**

### **24 CFR Part 58**

#### **Project Information**

**Project Name:** Terrell CDV21-0329-EA-Water

**Responsible Entity:** City of Terrell

**Grant Recipient** (if different than Responsible Entity):

**State/Local Identifier:** CDV21-0329

#### **Funding Information**

- Estimated HUD Funding: \$350,000
- Estimated Non-HUD Funding: \$556,510

#### **Hours of Availability:**

Monday - Friday: 8:00am - 5:00pm

#### **Office for Information Request:**

Chris Snapp, City Engineer

City of Terrell

City Hall

201 E. Nash St

P.O. Box 310

Terrell, TX 75160

#### **Email Address for Information Request:**

[mmikeska@cityofterrell.org](mailto:mmikeska@cityofterrell.org)

#### **Description of Aggregated Project (must include work to be funded by TxCDBG):**

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- boring

- connections
- associated appurtenances

Acquisition

In addition, carry out all acquisition of needed real property, easements, and/or rights-of-way including acquisition of the proposed drainage easement, in compliance with program requirements. The City anticipates one easement will be acquired for the southern section between Hwy 34 and Interstate 20.

Professional Services including Grant Administrator and Project Engineer activities.

LOCATION:

All work will occur in the City of Terrell, Kaufman County, Texas in the following locations:

Water loop installation:

On: Poetry Rd	From: Walnut St	To: 840 lf north of Forest Creek Ln
On: Cross Country	From: Tanger Dr	To: Interstate 20

**Alternative project activities if funds allow:**

Valves on Poetry and Cross-Country locations; extend water lines approx. 100' either direction with line installation/replacement

State Involvement:

The project occurs on land or property owned by a political subdivision of the State of Texas:

Name of Owner: City of Terrell. City of Terrell is working on acquisition of southern project site

Ground Disturbance:

- Area: 0.36 acres, depth: 6 linear feet

Previous Land Use:

The Right of Way on Poetry Rd has been in place for years. The easement that needs to be acquired is an open field.

Historic Properties: Structures:

The project area or area of potential effects does not include buildings, structures, or designed landscape features (such as parks or cemeteries) that are 45 years of age or older.

The project area or area of potential effects is not within or adjacent to a property or district that is listed in or eligible for listing in the National Register of Historic Places.

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# Terrell Atlas



March 9, 2023

1:72,224

- Museum
- ★ National Register Properties
- Historical Marker
- Cemeteries

0 0.5 1 1.5 2 mi  
0 0.75 1.5 3 km

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.  
Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap



Rick Carmona  
Mayor

Grady Simpson  
Council Member  
District 2

Mayrani Velazquez  
Mayor Pro Tem  
District 3

Stephanie Thomas  
Deputy Mayor Pro Tem  
District 4

Andreia Reese  
Council Member  
District 5

Mike Sims  
City Manager

April 6, 2023  
Martina Minthorn, THPO  
Comanche Nation, Oklahoma  
6 SW D Avenue  
Lawton, OK 73502

Re: Terrell CDV21-0329-EA-Water Improvements

Dear Martina Minthorn,

The City of Terrell is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of Terrell has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archaeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

The City of Terrell will conduct a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. We would like to invite you to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

To meet project timeframes, if you would like to be a consulting party on this project, can you please let us know of your interest within 30 days? If you have any initial concerns with impacts of the project on religious or cultural properties, can you please note them in your response?

An Aerial Map, Description and THC Atlas map have been enclosed for your reference.

More information on the Section 106 review process is available at <http://www.onecpd.info/environmental-review/historic-preservation/>. HUD's process for tribal consultation under Section 106 is described in a Notice available at <https://www.onecpd.info/resource/2448/notice-cpd-12-006-tribal-consultation-under-24-cfr-part-58>.

April 6, 2023  
Martina Minthorn, THPO  
Comanche Nation, Oklahoma  
Page 2

We kindly request that you send all responses to:

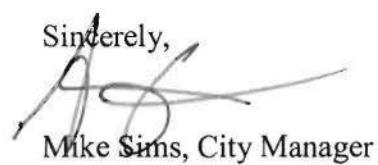
John Murrell, ESP  
Public Management, Inc  
15355 Vantage Pkwy W. Ste 360  
Houston, Tx 77032

[jmurrell@publicmgt.com](mailto:jmurrell@publicmgt.com)  
281-592-0439 x 40

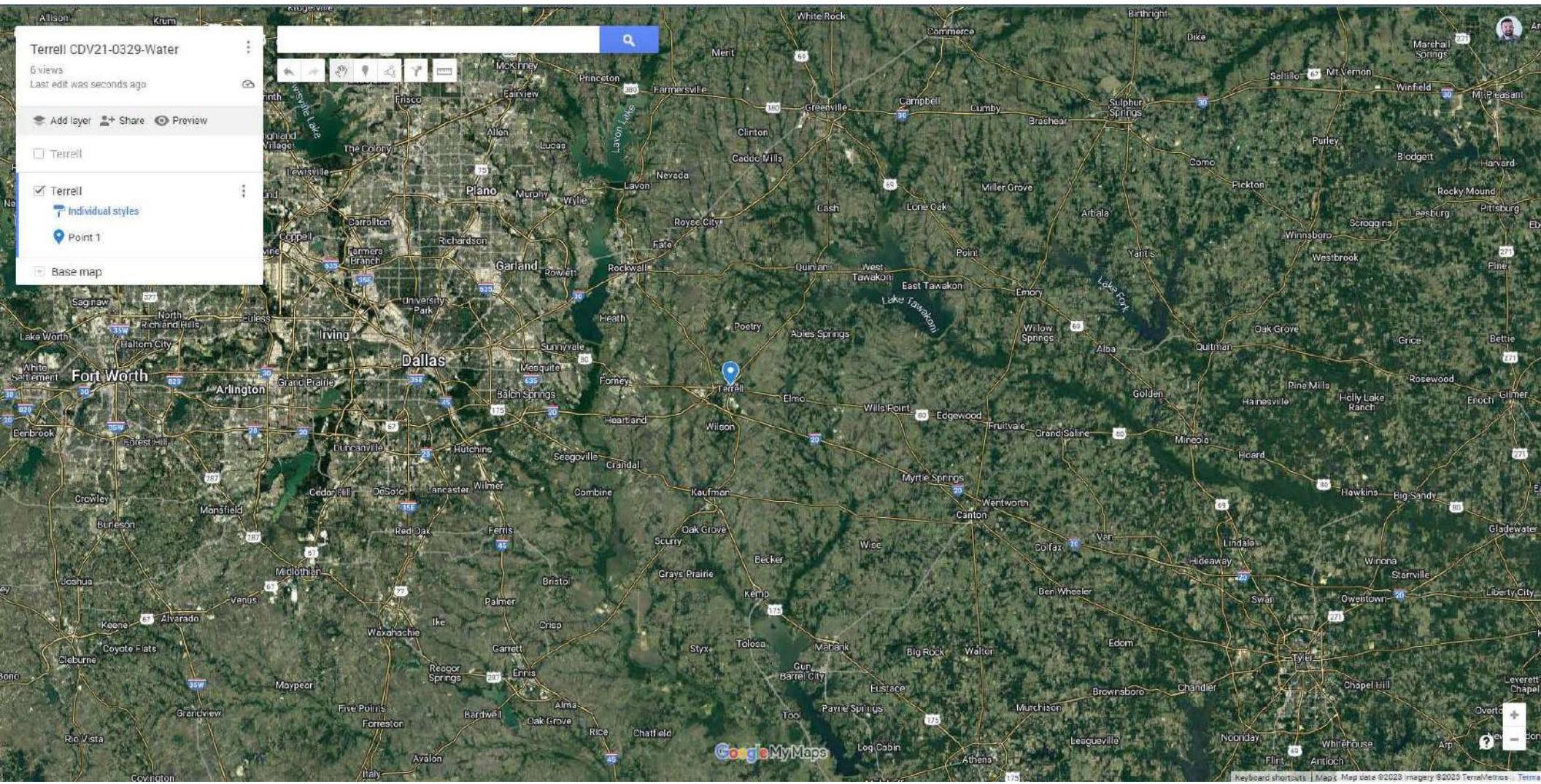
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We value your assistance and look forward to consulting further if there are historic properties of religious and cultural significance to your tribe that may be affected by this project.

Sincerely,

A handwritten signature in black ink, appearing to read "AS".

Mike Sims, City Manager



# **Environmental Assessment**

## **Determinations and Compliance Findings for HUD-assisted Projects**

### **24 CFR Part 58**

#### **Project Information**

**Project Name:** Terrell CDV21-0329-EA-Water

**Responsible Entity:** City of Terrell

**Grant Recipient** (if different than Responsible Entity):

**State/Local Identifier:** CDV21-0329

#### **Funding Information**

- Estimated HUD Funding: \$350,000
- Estimated Non-HUD Funding: \$556,510

#### **Hours of Availability:**

Monday - Friday: 8:00am - 5:00pm

#### **Office for Information Request:**

Chris Snapp, City Engineer

City of Terrell

City Hall

201 E. Nash St

P.O. Box 310

Terrell, TX 75160

#### **Email Address for Information Request:**

[mmikeska@cityofterrell.org](mailto:mmikeska@cityofterrell.org)

#### **Description of Aggregated Project (must include work to be funded by TxCDBG):**

##### **Water Loop Services:**

The City will install sections of 12" water lines connecting other 12" mains in the City. These sections will complete the water loop in critical sections of the system that are not currently connected. The City will install approximately:

- 3,150 lf of 12" water main
- 7 hydrants
- boring

- connections
- associated appurtenances

Acquisition

In addition, carry out all acquisition of needed real property, easements, and/or rights-of-way including acquisition of the proposed drainage easement, in compliance with program requirements. The City anticipates one easement will be acquired for the southern section between Hwy 34 and Interstate 20.

Professional Services including Grant Administrator and Project Engineer activities.

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# Terrell Atlas



March 9, 2023

1:72,224

- Museum
- ★ National Register Properties
- Historical Marker
- Cemeteries

0 0.5 1 1.5 2 mi  
0 0.75 1.5 3 km

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.  
Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap



April 5, 2023

Rick Carmona  
Mayor

Grady Simpson  
Council Member  
District 2

Mayrani Velazquez  
Mayor Pro Tem  
District 3

Stephanie Thomas  
Deputy Mayor Pro Tem  
District 4

Andreia Reese  
Council Member  
District 5

Mike Sims  
City Manager

Kristian Poncho, THPO  
Coushatta Tribe of Louisiana  
PO Box 10  
Elton, LA 70532

Re: Terrell CDV21-0329-EA-Water Improvements

Dear Kristian Poncho,

The City of Terrell is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of Terrell has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archaeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

The City of Terrell will conduct a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. We would like to invite you to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

To meet project timeframes, if you would like to be a consulting party on this project, can you please let us know of your interest within 30 days? If you have any initial concerns with impacts of the project on religious or cultural properties, can you please note them in your response?

An Aerial Map, Description and THC Atlas map have been enclosed for your reference.

More information on the Section 106 review process is available at <http://www.onecpd.info/environmental-review/historic-preservation/>. HUD's process for tribal consultation under Section 106 is described in a Notice available at <https://www.onecpd.info/resource/2448/notice-cpd-12-006-tribal-consultation-under-24-cfr-part-58>.

April 5, 2023  
Kristian Poncho, THPO  
Coushatta Tribe of Louisiana  
Page 2

We kindly request that you send all responses to:

John Murrell, ESP  
Public Management, Inc  
15355 Vantage Pkwy W. Ste 360  
Houston, Tx 77032

[jmurrell@publicmgt.com](mailto:jmurrell@publicmgt.com)  
281-592-0439 x 40

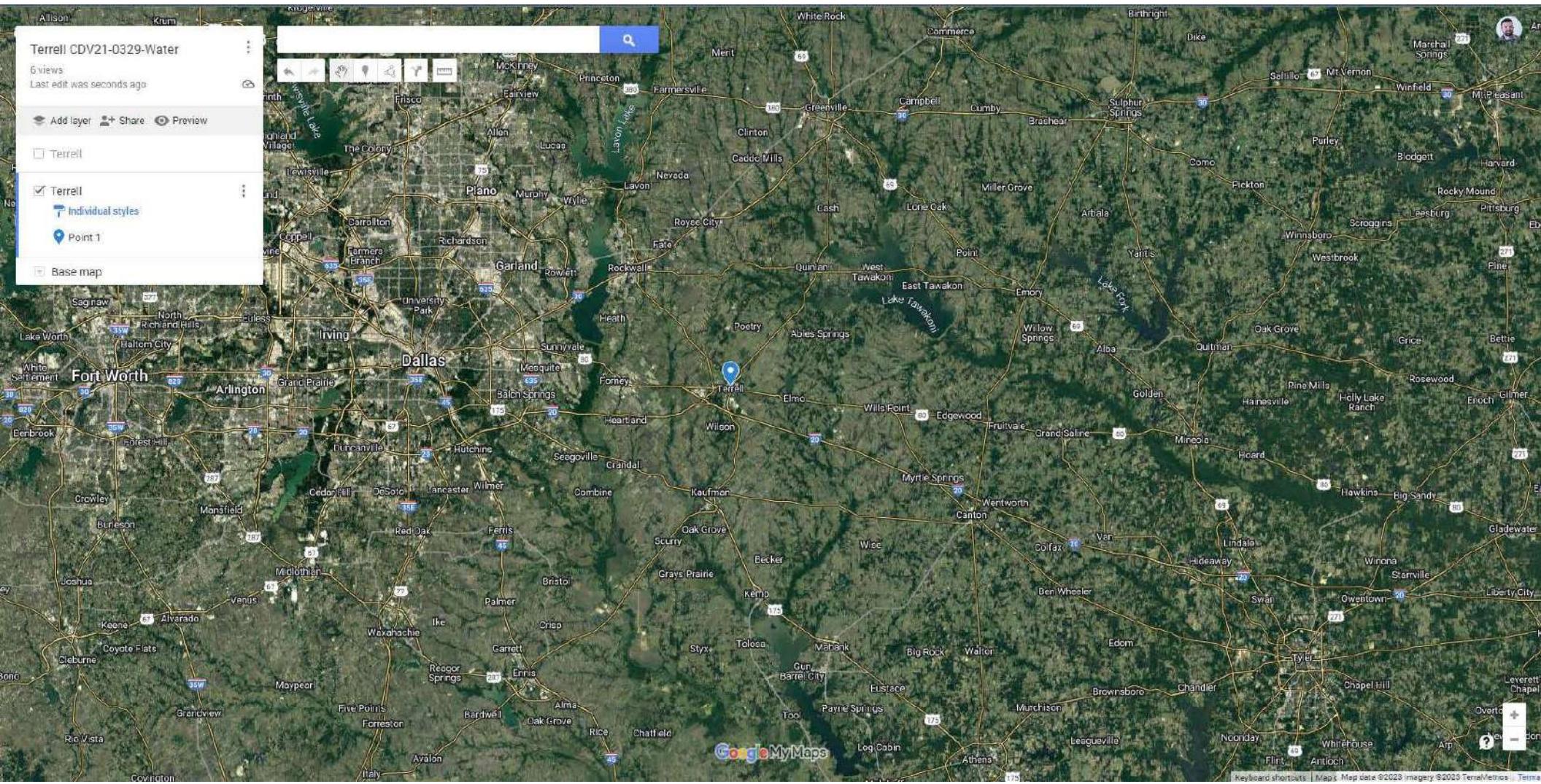
If you do not wish to consult on this project, can you please inform us and include in your reply the name and contact information for the tribe's principal representative in the consultation?

We value your assistance and look forward to consulting further if there are historic properties of religious and cultural significance to your tribe that may be affected by this project.

Sincerely,



Mike Sims, City Manager



# **Environmental Assessment**

## **Determinations and Compliance Findings for HUD-assisted Projects**

### **24 CFR Part 58**

#### **Project Information**

**Project Name:** Terrell CDV21-0329-EA-Water

**Responsible Entity:** City of Terrell

**Grant Recipient** (if different than Responsible Entity):

**State/Local Identifier:** CDV21-0329

#### **Funding Information**

- Estimated HUD Funding: \$350,000
- Estimated Non-HUD Funding: \$556,510

#### **Hours of Availability:**

Monday - Friday: 8:00am - 5:00pm

#### **Office for Information Request:**

Chris Snapp, City Engineer

City of Terrell

City Hall

201 E. Nash St

P.O. Box 310

Terrell, TX 75160

#### **Email Address for Information Request:**

[mmikeska@cityofterrell.org](mailto:mmikeska@cityofterrell.org)

#### **Description of Aggregated Project (must include work to be funded by TxCDBG):**

##### **Water Loop Services:**

The City will install sections of 12" water lines connecting other 12" mains in the City. These sections will complete the water loop in critical sections of the system that are not currently connected. The City will install approximately:

- 3,150 lf of 12" water main
- 7 hydrants
- boring

- connections
- associated appurtenances

Acquisition

In addition, carry out all acquisition of needed real property, easements, and/or rights-of-way including acquisition of the proposed drainage easement, in compliance with program requirements. The City anticipates one easement will be acquired for the southern section between Hwy 34 and Interstate 20.

Professional Services including Grant Administrator and Project Engineer activities.

LOCATION:

All work will occur in the City of Terrell, Kaufman County, Texas in the following locations:

Water loop installation:

On: Poetry Rd	From: Walnut St	To: 840 lf north of Forest Creek Ln
On: Cross Country	From: Tanger Dr	To: Interstate 20

**Alternative project activities if funds allow:**

Valves on Poetry and Cross-Country locations; extend water lines approx. 100' either direction with line installation/replacement

State Involvement:

The project occurs on land or property owned by a political subdivision of the State of Texas:

Name of Owner: City of Terrell. City of Terrell is working on acquisition of southern project site

Ground Disturbance:

- Area: 0.36 acres, depth: 6 linear feet

Previous Land Use:

The Right of Way on Poetry Rd has been in place for years. The easement that needs to be acquired is an open field.

Historic Properties: Structures:

The project area or area of potential effects does not include buildings, structures, or designed landscape features (such as parks or cemeteries) that are 45 years of age or older.

The project area or area of potential effects is not within or adjacent to a property or district that is listed in or eligible for listing in the National Register of Historic Places.

There are no buildings, structures, and/or landscape features within the project area or area of potential effect that are 45 years of age or older.

# Terrell Atlas



March 9, 2023

1:72,224

- Museum
- ★ National Register Properties
- Historical Marker
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April 5, 2023

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Mayor Pro Tem  
District 3

Stephanie Thomas  
Deputy Mayor Pro Tem  
District 4

Andreia Reese  
Council Member  
District 5

Mike Sims  
City Manager

Erin Paden, Director of Historic Preservation  
Delaware Nation, Oklahoma  
PO Box 825  
Andarko, OK 73005

Re: Terrell CDV21-0329-EA-Water Improvements

Dear Erin Paden,

The City of Terrell is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of Terrell has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archaeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

The City of Terrell will conduct a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. We would like to invite you to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

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April 5, 2023

Erin Paden, Director of Historic Preservation

Delaware Nation, Oklahoma

Page 2

We kindly request that you send all responses to:

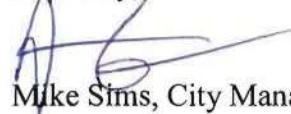
John Murrell, ESP  
Public Management, Inc  
15355 Vantage Pkwy W. Ste 360  
Houston, Tx 77032

[jmurrell@publicmgt.com](mailto:jmurrell@publicmgt.com)  
281-592-0439 x 40

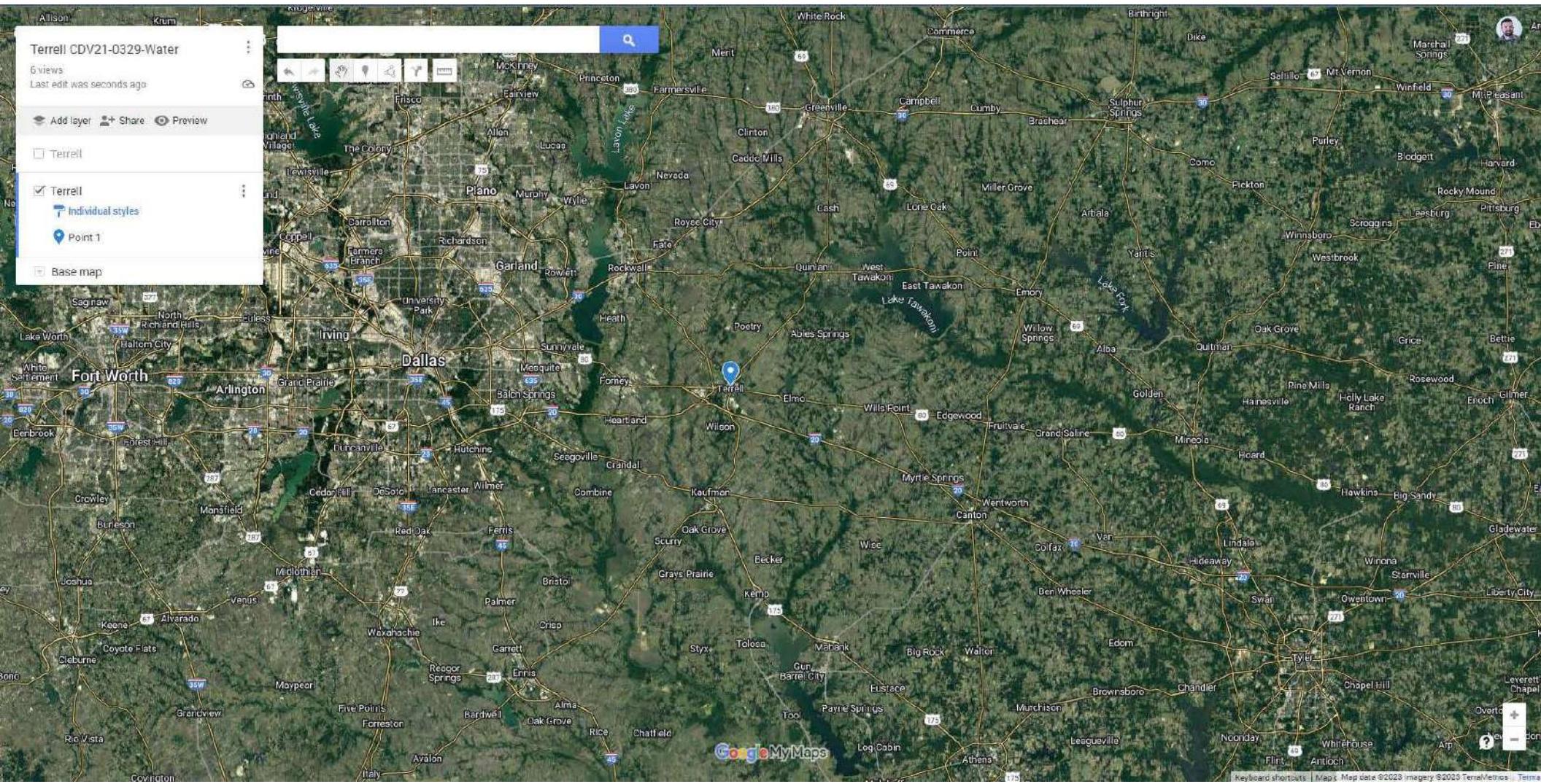
If you do not wish to consult on this project, can you please inform us and include in your reply the name and contact information for the tribe's principal representative in the consultation?

We value your assistance and look forward to consulting further if there are historic properties of religious and cultural significance to your tribe that may be affected by this project.

Sincerely,



Mike Sims, City Manager



# **Environmental Assessment**

## **Determinations and Compliance Findings for HUD-assisted Projects**

### **24 CFR Part 58**

#### **Project Information**

**Project Name:** Terrell CDV21-0329-EA-Water

**Responsible Entity:** City of Terrell

**Grant Recipient** (if different than Responsible Entity):

**State/Local Identifier:** CDV21-0329

#### **Funding Information**

- Estimated HUD Funding: \$350,000
- Estimated Non-HUD Funding: \$556,510

#### **Hours of Availability:**

Monday - Friday: 8:00am - 5:00pm

#### **Office for Information Request:**

Chris Snapp, City Engineer

City of Terrell

City Hall

201 E. Nash St

P.O. Box 310

Terrell, TX 75160

#### **Email Address for Information Request:**

[mmikeska@cityofterrell.org](mailto:mmikeska@cityofterrell.org)

#### **Description of Aggregated Project (must include work to be funded by TxCDBG):**

##### **Water Loop Services:**

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- 3,150 lf of 12" water main
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- boring

- connections
- associated appurtenances

#### Acquisition

In addition, carry out all acquisition of needed real property, easements, and/or rights-of-way including acquisition of the proposed drainage easement, in compliance with program requirements. The City anticipates one easement will be acquired for the southern section between Hwy 34 and Interstate 20.

Professional Services including Grant Administrator and Project Engineer activities.

#### LOCATION:

All work will occur in the City of Terrell, Kaufman County, Texas in the following locations:

Water loop installation:

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#### **Alternative project activities if funds allow:**

Valves on Poetry and Cross-Country locations; extend water lines approx. 100' either direction with line installation/replacement

#### State Involvement:

The project occurs on land or property owned by a political subdivision of the State of Texas:

Name of Owner: City of Terrell. City of Terrell is working on acquisition of southern project site

#### Ground Disturbance:

- Area: 0.36 acres, depth: 6 linear feet

#### Previous Land Use:

The Right of Way on Poetry Rd has been in place for years. The easement that needs to be acquired is an open field.

#### Historic Properties: Structures:

The project area or area of potential effects does not include buildings, structures, or designed landscape features (such as parks or cemeteries) that are 45 years of age or older.

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# Terrell Atlas



March 9, 2023

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- Museum
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April 5, 2023

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Mayor

Grady Simpson  
Council Member  
District 2

Mayrani Velazquez  
Mayor Pro Tem  
District 3

Stephanie Thomas  
Deputy Mayor Pro Tem  
District 4

Andreia Reese  
Council Member  
District 5

Mike Sims  
City Manager

Lauren Norman-Brown, THPO  
Tonkawa Tribe of Indians of Oklahoma  
1 Rush Buffalo Road  
Tonkawa, OK 74653

Re: Terrell CDV21-0329-EA-Water Improvements

Dear Lauren Norman-Brown,

The City of Terrell is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of Terrell has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archaeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

The City of Terrell will conduct a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. We would like to invite you to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

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April 5, 2023  
Lauren Norman-Brown, THPO  
Tonkawa Tribe of Indians of Oklahoma  
Page 2

We kindly request that you send all responses to:

John Murrell, ESP  
Public Management, Inc  
15355 Vantage Pkwy W. Ste 360  
Houston, Tx 77032

jmurrell@publicmgt.com  
281-592-0439 x 40

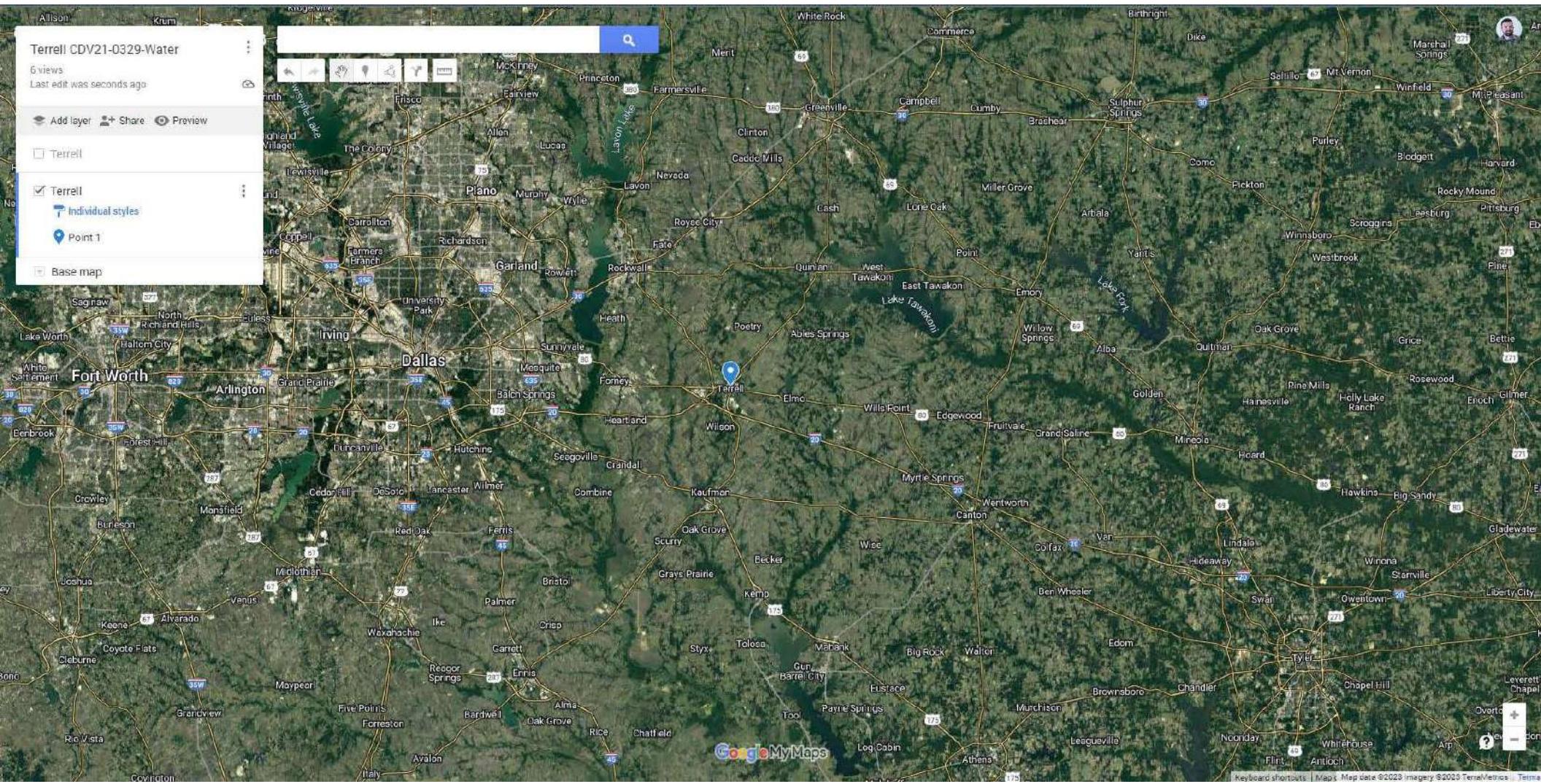
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We value your assistance and look forward to consulting further if there are historic properties of religious and cultural significance to your tribe that may be affected by this project.

Sincerely,



Mike Sims, City Manager



# **Environmental Assessment**

## **Determinations and Compliance Findings for HUD-assisted Projects**

### **24 CFR Part 58**

#### **Project Information**

**Project Name:** Terrell CDV21-0329-EA-Water

**Responsible Entity:** City of Terrell

**Grant Recipient** (if different than Responsible Entity):

**State/Local Identifier:** CDV21-0329

#### **Funding Information**

- Estimated HUD Funding: \$350,000
- Estimated Non-HUD Funding: \$556,510

#### **Hours of Availability:**

Monday - Friday: 8:00am - 5:00pm

#### **Office for Information Request:**

Chris Snapp, City Engineer

City of Terrell

City Hall

201 E. Nash St

P.O. Box 310

Terrell, TX 75160

#### **Email Address for Information Request:**

[mmikeska@cityofterrell.org](mailto:mmikeska@cityofterrell.org)

#### **Description of Aggregated Project (must include work to be funded by TxCDBG):**

##### **Water Loop Services:**

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#### Acquisition

In addition, carry out all acquisition of needed real property, easements, and/or rights-of-way including acquisition of the proposed drainage easement, in compliance with program requirements. The City anticipates one easement will be acquired for the southern section between Hwy 34 and Interstate 20.

Professional Services including Grant Administrator and Project Engineer activities.

#### LOCATION:

All work will occur in the City of Terrell, Kaufman County, Texas in the following locations:

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#### **Alternative project activities if funds allow:**

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#### State Involvement:

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Name of Owner: City of Terrell. City of Terrell is working on acquisition of southern project site

#### Ground Disturbance:

- Area: 0.36 acres, depth: 6 linear feet

#### Previous Land Use:

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March 9, 2023

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April 5, 2023

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Deputy Mayor Pro Tem  
District 4

Andreia Reese  
Council Member  
District 5

Mike Sims  
City Manager

Gary McAdams, THPO  
Wichita and Affiliated Tribes, Oklahoma  
PO Box 729  
Anadarko, OK 73005

Re: Terrell CDV21-0329-EA-Water Improvements

Dear Gary McAdams,

The City of Terrell is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the City of Terrell has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archaeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

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April 5, 2023  
Gary McAdams, THPO  
Wichita and Affiliated Tribes, Oklahoma  
Page 2

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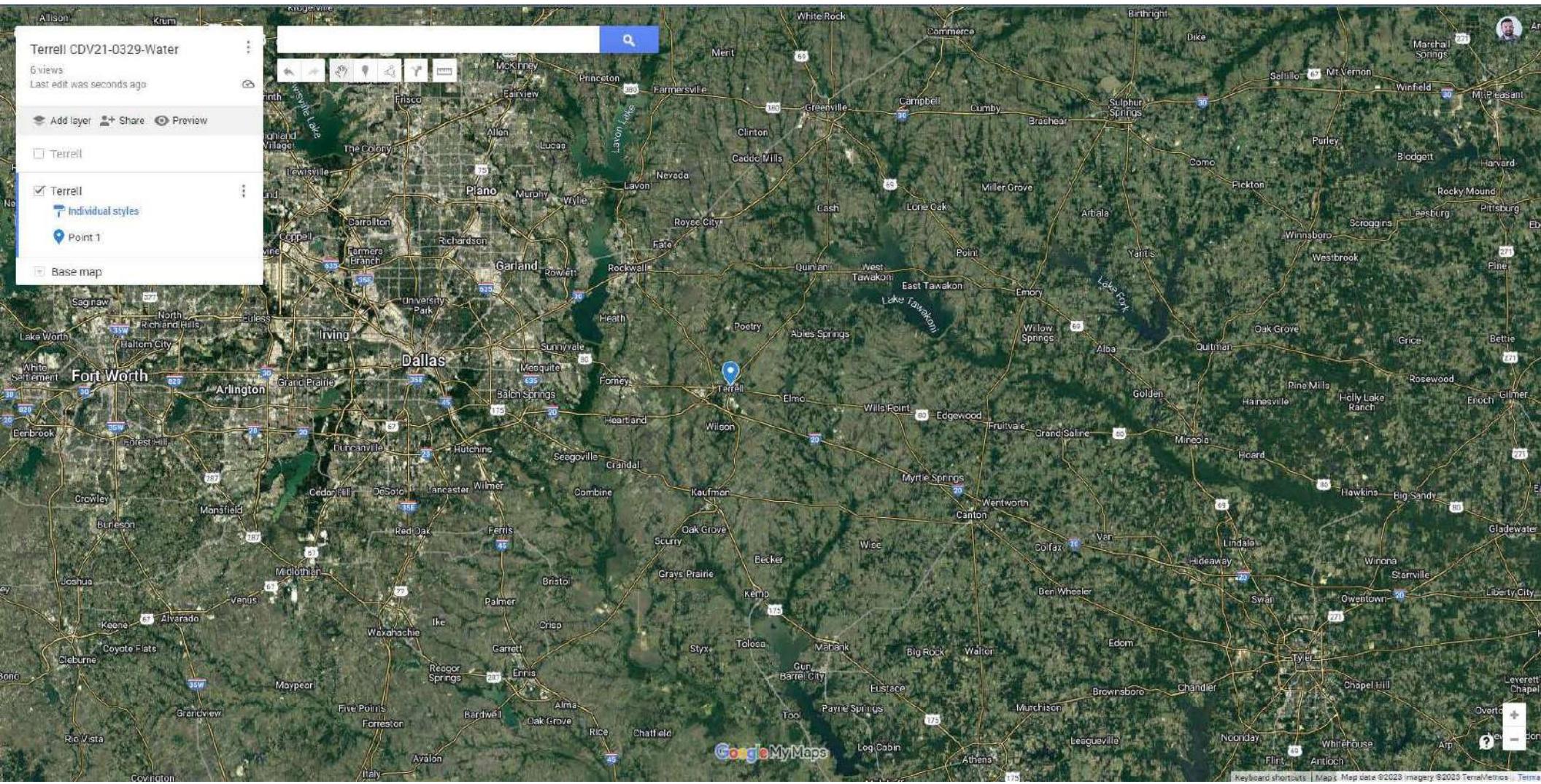
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Mike Sims, City Manager



# **Environmental Assessment**

## **Determinations and Compliance Findings for HUD-assisted Projects**

### **24 CFR Part 58**

#### **Project Information**

**Project Name:** Terrell CDV21-0329-EA-Water

**Responsible Entity:** City of Terrell

**Grant Recipient** (if different than Responsible Entity):

**State/Local Identifier:** CDV21-0329

#### **Funding Information**

- Estimated HUD Funding: \$350,000
- Estimated Non-HUD Funding: \$556,510

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Chris Snapp, City Engineer

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P.O. Box 310

Terrell, TX 75160

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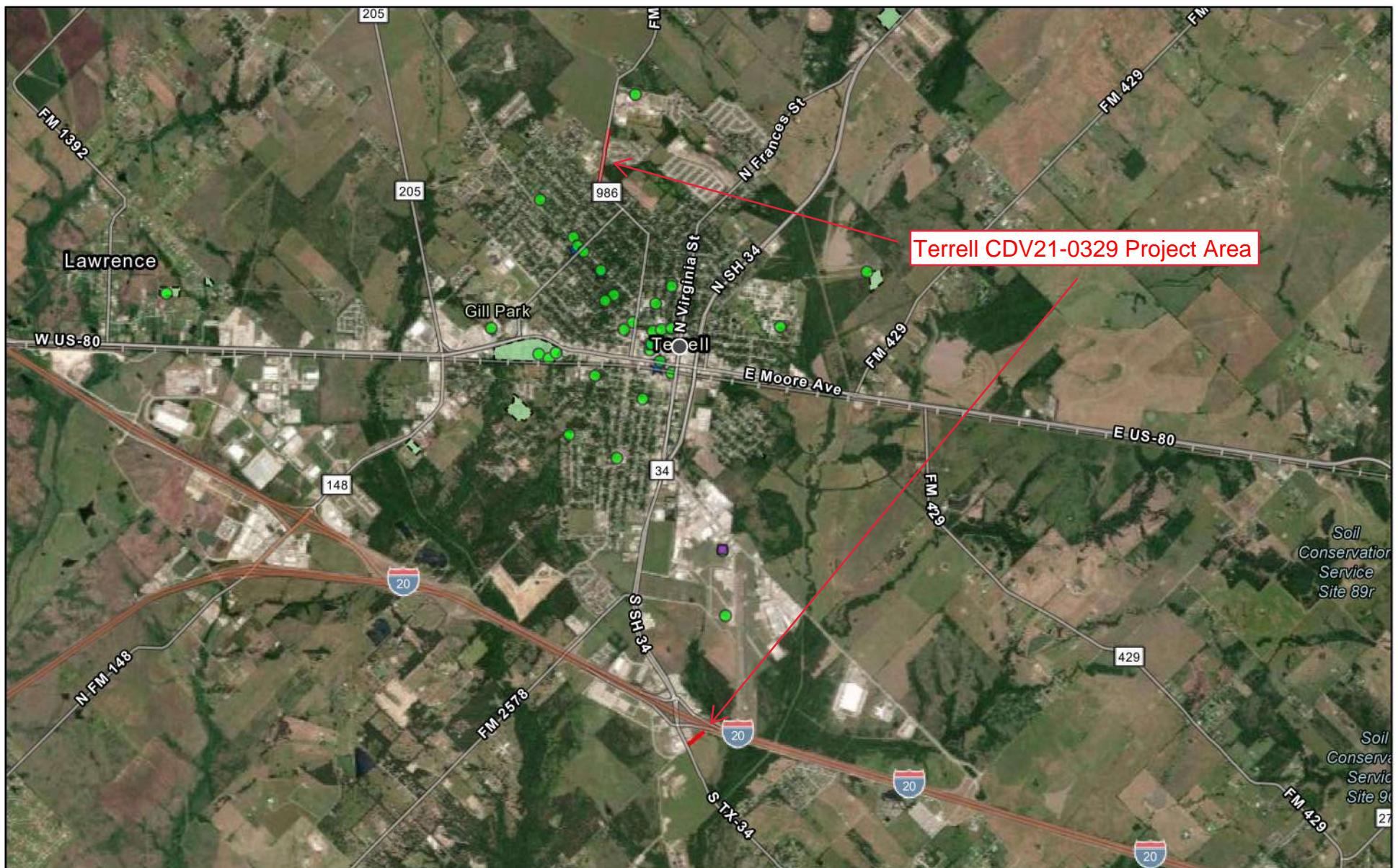
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Anadarko, OK 73005

**OFFICIAL USE**

Certified Mail Fee \$4.15

Extra Services & Fees (check box, add fee as appropriate)  
 Return Receipt (hardcopy) \$ 0.00  
 Return Receipt (electronic) \$ 0.00  
 Certified Mail Restricted Delivery \$ 0.00  
 Adult Signature Required \$ 0.00  
 Adult Signature Restricted Delivery \$ 0.00

Postage \$ 0.87

Total Postage and Fees \$ 8.37

0358

04

Postmark

Here

04/10/2023

Terrell

Sent To

Chairman Durell Cooper

Apache Tribe of Oklahoma

PO Box 1330

Anadarko, OK 73005

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**

*Domestic Mail Only*

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

Lawton, OK 73501

**OFFICIAL USE**

Certified Mail Fee \$4.15

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Postage \$ 0.87

Total Postage and Fees \$ 8.37

0358

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Postmark

Here

04/10/2023

Terrell

Sent To

Martina Minthorn, THPO

Comanche Nation, Oklahoma

6 SW D Avenue

Lawton, OK 73501

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**

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Erin Paden, Director of Historic Preservation

Delaware Nation, Oklahoma

PO Box 825

Anadarko, OK 73005

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Binger, OK 73001

**OFFICIAL USE**

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Extra Services & Fees (check box, add fee as appropriate)  
 Return Receipt (hardcopy) \$ 0.00  
 Return Receipt (electronic) \$ 0.00  
 Certified Mail Restricted Delivery \$ 0.00  
 Adult Signature Required \$ 0.00  
 Adult Signature Restricted Delivery \$ 0.00

Postage \$ 0.87

Total Postage and Fees \$ 8.37

0358

04

Postmark

Here

04/10/2023

Terrell

Jonathan Rohrer, THPO

Caddo Nation of Oklahoma

PO Box 487

Binger, OK 73009

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

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Certified Mail Fee \$4.15

Extra Services & Fees (check box, add fee as appropriate)  
 Return Receipt (hardcopy) \$ 0.00  
 Return Receipt (electronic) \$ 0.00  
 Certified Mail Restricted Delivery \$ 0.00  
 Adult Signature Required \$ 0.00  
 Adult Signature Restricted Delivery \$ 0.00

Postage \$ 0.87

Total Postage and Fees \$ 8.37

0358

04

Postmark

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04/10/2023

Terrell

Kristian Landre, THPO

Coushatta Tribe of Louisiana

PO Box 10

Elton, LA 70532

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

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**OFFICIAL USE**

Certified Mail Fee \$4.15

Extra Services & Fees (check box, add fee as appropriate)  
 Return Receipt (hardcopy) \$ 0.00  
 Return Receipt (electronic) \$ 0.00  
 Certified Mail Restricted Delivery \$ 0.00  
 Adult Signature Required \$ 0.00  
 Adult Signature Restricted Delivery \$ 0.00

Postage \$ 0.87

Total Postage and Fees \$ 8.37

0358

04

Postmark

Here

04/10/2023

Terrell

Lauren Norman-Brown, THPO

Tonkawa Tribe of Indians of Oklahoma

1 Rush Buffalo Road

Tonkawa, OK 74653

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

Terrell CDU21-0329

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ANADARKO OK 73005		C O R R E C T I O N A L U S S E	
Certified Mail Fee \$4.15		0358	04
\$ \$2.75			
Extra Services & Fees (check box, add fee as appropriate)			
<input type="checkbox"/> Return Receipt (Hardcopy) \$ \$0.00			
<input type="checkbox"/> Return Receipt (Electronic) \$ \$1.00			
<input type="checkbox"/> Certified Mail Restricted Delivery \$ \$0.00			
<input type="checkbox"/> Adult Signature Required \$ \$0.00			
<input type="checkbox"/> Adult Signature Restricted Delivery \$			
Postage \$0.87			
\$ \$0.37			
Total Postage and Fees \$0.37			
Sent To: Gary McAdams, THPO Street: Wichita and Affiliated Tribes, Oklahoma City, St: PO Box 729 Zip: Anadarko, OK 73005		04/10/2023	Terrell
See Reverse for Instructions			

PS Form 3800 (April 2015) PSN 155312-003-004

PS80-1800 1501



# Tribal Directory Assessment Information

## Contact Information for Tribes with Interests in Kaufman County, Texas

Tribal Name				County Name						
- Apache Tribe of Oklahoma				Kaufman						
Contact Name				Title	Mailing Address	Work Phone	Fax Number	Cell Phone	Email Address	URL
Bobby Komardley				Chairman	PO Box 1330 Anadarko, OK 73005	(405) 247-9493	(405) 247-2763		bkomardley@outlook.com	<a href="http://www.apachetribe.org/">http://www.apachetribe.org/</a>
- Caddo Nation of Oklahoma				Kaufman						
Contact Name				Title	Mailing Address	Work Phone	Fax Number	Cell Phone	Email Address	URL
Jonathan Rohrer				THPO	PO Box 487 Binger, OK 73009	(405) 656-0970, ext. 2070			jrohrer@mycaddonation.com	
Tamara Francis				Chairperson	PO Box 487 Binger, OK 73009	(405) 656-2344	(405) 656-2892		tffourkiller.cn@gmail.com	
- Comanche Nation, Oklahoma				Kaufman						
Contact Name				Title	Mailing Address	Work Phone	Fax Number	Cell Phone	Email Address	URL
Mark Woommavovah				Chairman	PO Box 908 Lawton, OK 73502	(580) 492-3240			jennifer.rodriguez@comanchenation.com	<a href="http://www.comanchenation.com">www.comanchenation.com</a>
Martina Minthorn				THPO	6 SW D Avenue Lawton, OK 73502	(580) 595-9618	(580) 595-9733		martina.minthorn@comanchenation.com	<a href="http://www.comanchenation.com">www.comanchenation.com</a>
- Coushatta Tribe of Louisiana				Kaufman						
Contact Name				Title	Mailing Address	Work Phone	Fax Number	Cell Phone	Email Address	URL
Jonathan Cernek				Chairman	PO Box 818 Elton, LA 70532	(337) 584-1401	(337) 584-1507		rrich@coushatta.org	<a href="http://koasatihheritage.org/">http://koasatihheritage.org/</a>
Kristian Poncho				THPO	PO Box 10 Elton, LA 70532	(337) 275-1350			kponcho@coushatta.org	<a href="http://koasatihheritage.org/">http://koasatihheritage.org/</a>
- Delaware Nation, Oklahoma				Kaufman						

Contact Name	Title	Mailing Address	Work Phone	Fax Number	Cell Phone	Email Address	URL
Erin Paden	Director of Historic Preservation	PO Box 825 Anadarko, OK 73005	(405) 247-2448	(405) 247-9393		epaden@delawarenation.com	www.delawarenation.com
Deborah Dotson	President	PO Box 825 Anadarko, OK 73005	(405) 247-2448	(405) 247-9393		ddotson@delawarenation-nsn.gov	www.delawarenation.com
—	Tonkawa Tribe of Indians of Oklahoma				Kaufman		
Contact Name	Title	Mailing Address	Work Phone	Fax Number	Cell Phone	Email Address	URL
Russell Martin	President	1 Rush Buffalo Road Tonkawa, OK 74653	(580) 628-2561	(580) 628-3378		rmartin@tonkawatribe.com	http://www.tonkawatribe.com/
Lauren Norman-Brown	THPO	1 Rush Buffalo Road Tonkawa, OK 74653	(580) 628-7027	(580) 628-7027		lbrown@tonkawatribe.com	http://www.tonkawatribe.com/
—	Wichita and Affiliated Tribes (Wichita, Keechi, Waco & Tawakonie), Oklahoma				Kaufman		
Contact Name	Title	Mailing Address	Work Phone	Fax Number	Cell Phone	Email Address	URL
Terri Parton	President	PO Box 729 Anadarko, OK 73005	(405) 247-2425	(405) 247-2430		Terri.Parton@wichitatribe.com	http://www.wichitatribe.com/
Gary McAdams	THPO	Wichita and Affiliated Tribes PO Box 729 Anadarko, OK 73005	(405) 247-8695 ext. 200			gary.mcadams@wichitatribe.com	http://www.wichitatribe.com/

1 - 7 of 7 results

« &lt; 1 &gt; »

10 ▼

# Noise Abatement and Control

## Noise (EA Level Reviews)

General requirements	Legislation	Regulation
HUD's noise regulations protect residential properties from excessive noise exposure. HUD encourages mitigation as appropriate.	Noise Control Act of 1972  General Services Administration Federal Management Circular 75-2: "Compatible Land Uses at Federal Airfields"	Title 24 CFR 51 Subpart B
References		
<a href="https://www.hudexchange.info/programs/environmental-review/noise-abatement-and-control">https://www.hudexchange.info/programs/environmental-review/noise-abatement-and-control</a>		

### 1. What activities does your project involve? Check all that apply:

New construction for residential use

NOTE: HUD assistance to new construction projects is generally prohibited if they are located in an Unacceptable zone, and HUD discourages assistance for new construction projects in Normally Unacceptable zones. See 24 CFR 51.101(a)(3) for further details.

→ Continue to Question 2.

Rehabilitation of an existing residential property

NOTE: For major or substantial rehabilitation in Normally Unacceptable zones, HUD encourages mitigation to reduce levels to acceptable compliance standards. For major rehabilitation in Unacceptable zones, HUD strongly encourages mitigation to reduce levels to acceptable compliance standards. See 24 CFR 51 Subpart B for further details.

→ Continue to Question 2.

A research demonstration project which does not result in new construction or reconstruction, interstate, land sales registration, or any timely emergency assistance under disaster assistance provisions or appropriations which are provided to save lives, protect property, protect public health and safety, remove debris and wreckage, or assistance that has the effect of restoring facilities substantially as they existed prior to the disaster

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

**X None of the above**

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

**2. Complete the Preliminary Screening to identify potential noise generators in the vicinity (1000' from a major road, 3000' from a railroad, or 15 miles from an airport). Indicate the findings of the Preliminary Screening below:**

There are no noise generators found within the threshold distances above.  
→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing the location of the project relative to any noise generators.*

Noise generators were found within the threshold distances.  
→ *Continue to Question 3.*

**3. Complete the Noise Assessment Guidelines to quantify the noise exposure. Indicate the findings of the Noise Assessment below:**

Acceptable: (65 decibels or less; the ceiling may be shifted to 70 decibels in circumstances described in §24 CFR 51.105(a))

Indicate noise level here:

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide noise analysis, including noise level and data used to complete the analysis.*

Normally Unacceptable: (Above 65 decibels but not exceeding 75 decibels; the floor may be shifted to 70 decibels in circumstances described in 24 CFR 51.105(a))

Indicate noise level here:

If project is rehabilitation:

→ *Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis.*

If project is new construction:

**Is the project in a largely undeveloped area<sup>1</sup>?**

No

→ *Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis, and any other relevant information.*

---

<sup>1</sup> A largely undeveloped area means the area within 2 miles of the project site is less than 50 percent developed with urban uses and does not have water and sewer capacity to serve the project.

Yes

→ *Your project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i). Elevate this review to an EIS-level review.*

Unacceptable: (Above 75 decibels)

Indicate noise level here:

If project is rehabilitation:

*HUD strongly encourages conversion of noise-exposed sites to land uses compatible with high noise levels. Consider converting this property to a non-residential use compatible with high noise levels.*

→ *Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis, and any other relevant information.*

If project is new construction:

*Your project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i). You may either complete an EIS or provide a waiver signed by the appropriate authority. Indicate your choice:*

Convert to an EIS

→ *Provide noise analysis, including noise level and data used to complete the analysis.*

*Continue to Question 4.*

Provide waiver

→ *Provide an Environmental Impact Statement waiver from the Certifying Officer or the Assistant Secretary for Community Planning and Development per 24 CFR 51.104(b)(2) and noise analysis, including noise level and data used to complete the analysis.*

*Continue to Question 4.*

4. **HUD strongly encourages mitigation be used to eliminate adverse noise impacts.**  
**Explain in detail the exact measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation. This information will be automatically included in the Mitigation summary for the environmental review.**

Mitigation as follows will be implemented:

→ Provide drawings, specifications, and other materials as needed to describe the project's noise mitigation measures. Continue to the Worksheet Summary.

No mitigation is necessary.

**Explain why mitigation will not be made here:**

→ Continue to the Worksheet Summary.

### **Worksheet Summary**

#### **Compliance Determination**

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

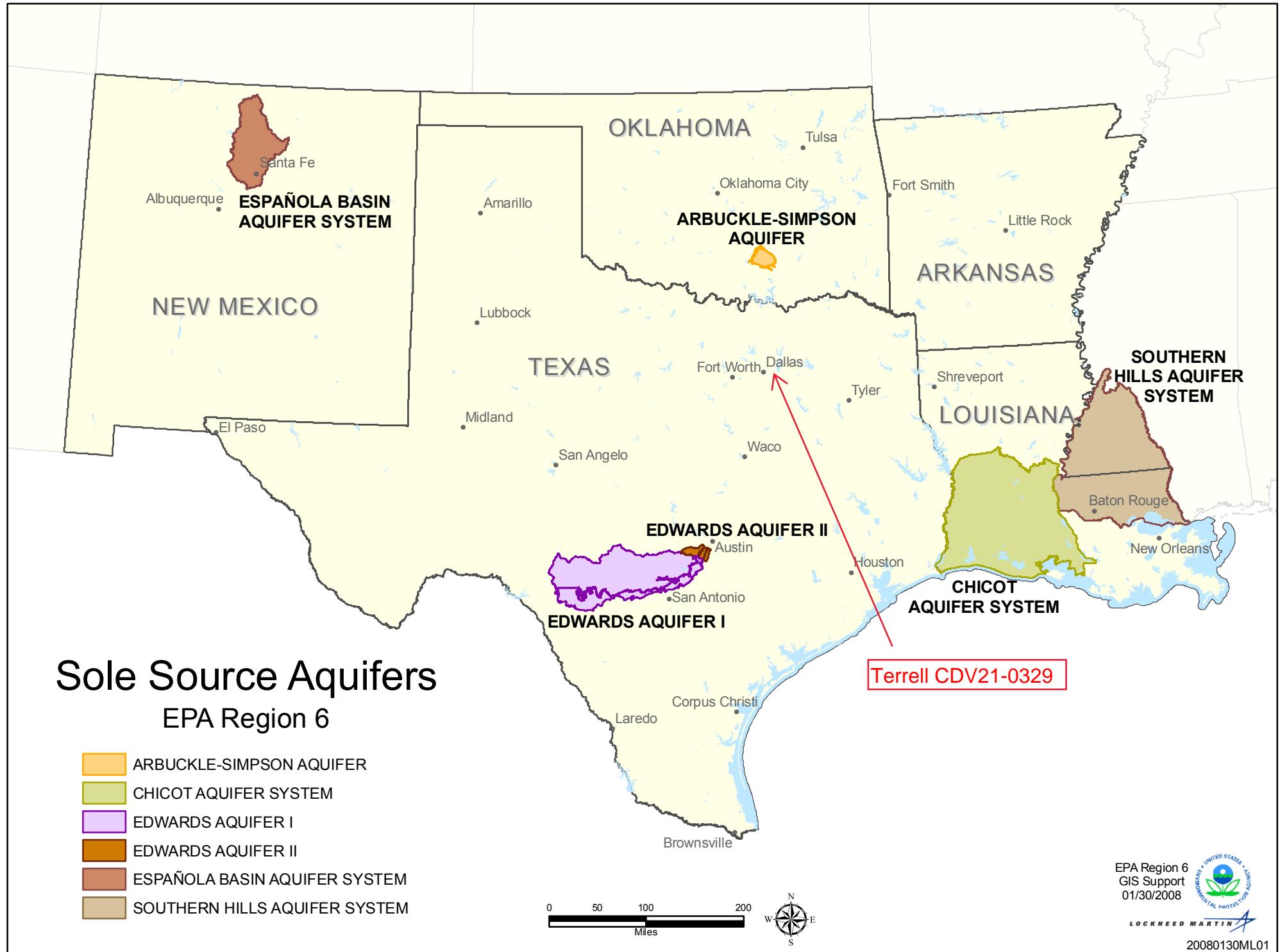
The project does not involve a noise sensitive use such as a residential structure, school, hospital, nursing home, library, etc

**Are formal compliance steps or mitigation required?**

Yes

No

# Sole Source Aquifers



# Wetlands Protection



U.S. Fish and Wildlife Service

# National Wetlands Inventory

## Terrell Wetlands North



February 27, 2023

### Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

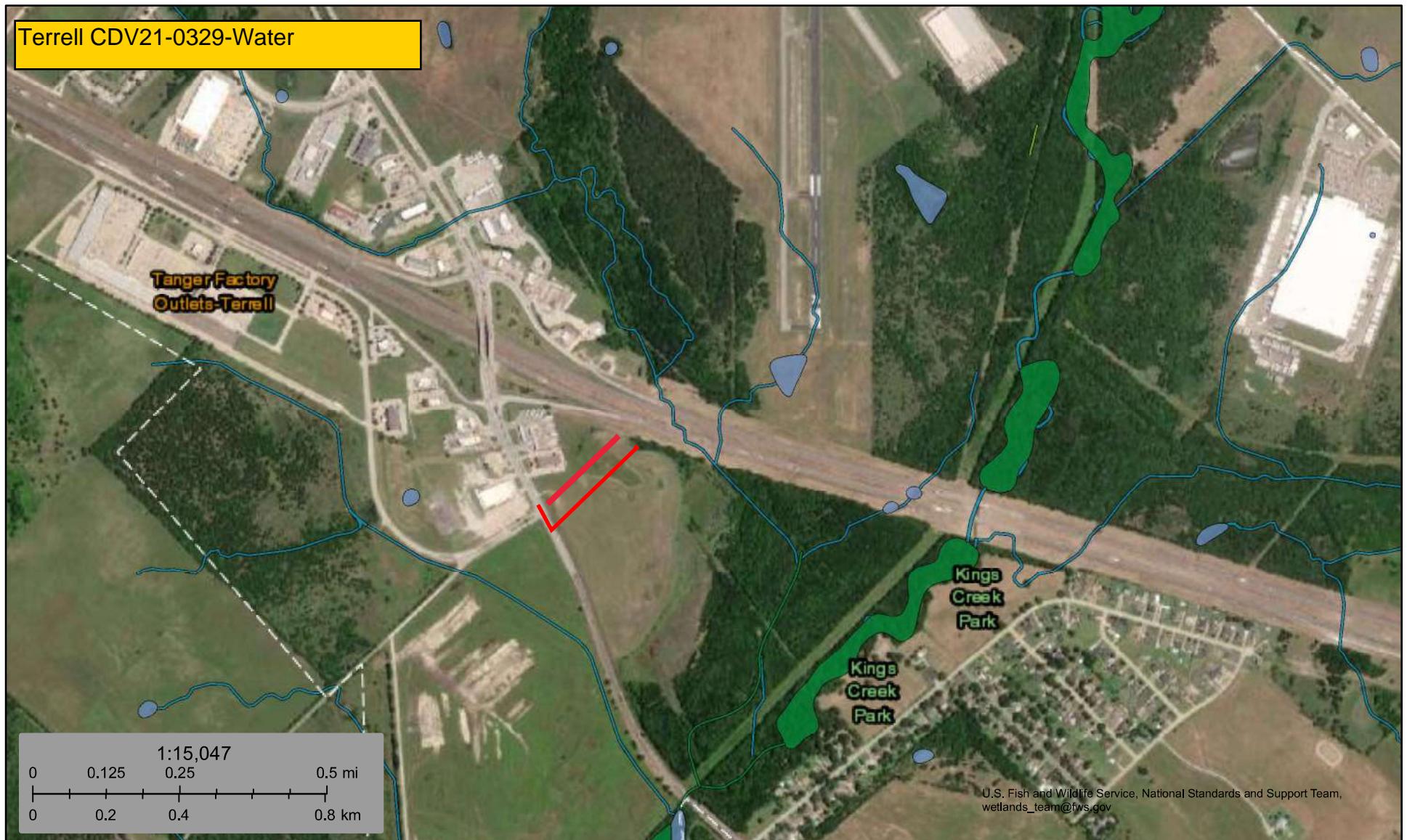
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



U.S. Fish and Wildlife Service

# National Wetlands Inventory

## Terrell Wetlands South



February 27, 2023

### Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# Wild and Scenic Rivers

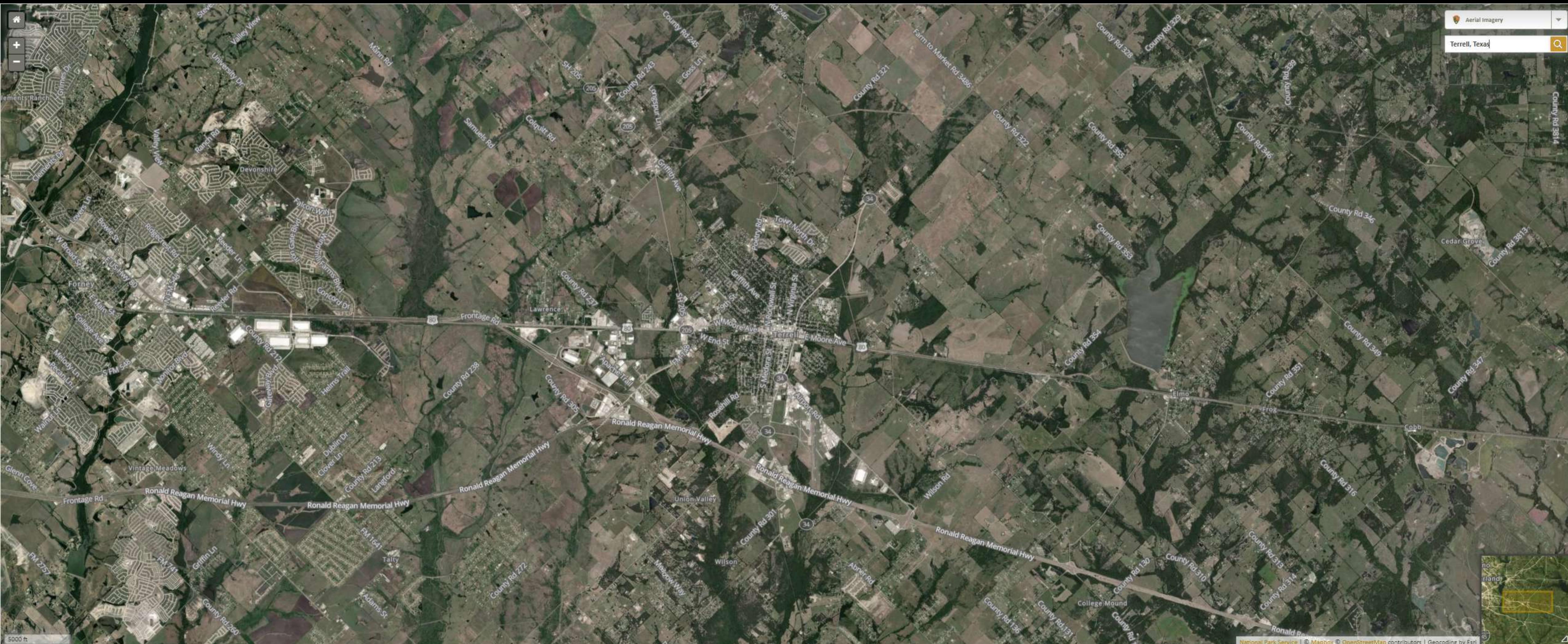
## Nationwide Rivers Inventory

✓ rivers visible

National Park Service  
U.S. Department of the Interior



This is a listing of more than 3,200 free-flowing river segments in the U.S. that are believed to possess one or more "outstandingly remarkable" values.



# Environmental Justice

## Environmental Justice (CEST and EA)

General requirements	Legislation	Regulation
Determine if the project creates adverse environmental impacts upon a low-income or minority community. If it does, engage the community in meaningful participation about mitigating the impacts or move the project.	Executive Order 12898	
<b>References</b>		
<a href="https://www.hudexchange.info/environmental-review/environmental-justice">https://www.hudexchange.info/environmental-review/environmental-justice</a>		

**HUD strongly encourages starting the Environmental Justice analysis only after all other laws and authorities, including Environmental Assessment factors if necessary, have been completed.**

1. Were any adverse environmental impacts identified in any other compliance review portion of this project's total environmental review?

Yes → Continue to Question 2.

No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.*

2. Were these adverse environmental impacts disproportionately high for low-income and/or minority communities?

Yes

Explain:

→ Continue to Question 3. Provide any supporting documentation.

No

Explain:

→ Continue to the Worksheet Summary and provide any supporting documentation.

**3. All adverse impacts should be mitigated. Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.**

Mitigation as follows will be implemented:

→ Continue to Question 4.

No mitigation is necessary.

**Explain why mitigation will not be made here:**

→ Continue to Question 4.

**4. Describe how the affected low-income or minority community was engaged or meaningfully involved in the decision on what mitigation actions, if any, will be taken.**

→ Continue to the Worksheet Summary and provide any supporting documentation.

## **Worksheet Summary**

### **Compliance Determination**

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

No adverse environmental impacts were identified in any other compliance review portion of this project's total environmental review.

### **Are formal compliance steps or mitigation required?**

Yes

No

Location: User-specified linear location

Ring (buffer): 1-miles radius

Description:

Summary of ACS Estimates		2016 - 2020		
		2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population</b>				
Population		388		
Population Density (per sq. mile)		134		
People of Color Population		209		
% People of Color Population		54%		
Households		129		
Housing Units		129		
Housing Units Built Before 1950		2		
Per Capita Income		19,003		
Land Area (sq. miles) (Source: SF1)		2.89		
% Land Area		100%		
Water Area (sq. miles) (Source: SF1)		0.01		
% Water Area		0%		
<b>Population by Race</b>				
Total		388	100%	594
Population Reporting One Race		369	95%	1,106
White		250	64%	616
Black		104	27%	319
American Indian		6	2%	83
Asian		0	0%	14
Pacific Islander		0	0%	14
Some Other Race		9	2%	60
Population Reporting Two or More Races		19	5%	134
Total Hispanic Population		88	23%	563
Total Non-Hispanic Population		300		
White Alone		180	46%	310
Black Alone		104	27%	319
American Indian Alone		6	2%	83
Non-Hispanic Asian Alone		0	0%	14
Pacific Islander Alone		0	0%	14
Other Race Alone		0	0%	14
Two or More Races Alone		10	3%	67
<b>Population by Sex</b>				
Male		176	45%	333
Female		212	55%	328
<b>Population by Age</b>				
Age 0-4		13	3%	67
Age 0-17		81	21%	173
Age 18+		308	79%	337
Age 65+		99	25%	167

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. Source: U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020.

Location: User-specified linear location

Ring (buffer): 1-mile radius

Description:

	2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population 25+ by Educational Attainment</b>			
Total	293	100%	392
Less than 9th Grade	23	8%	93
9th - 12th Grade, No Diploma	35	12%	115
High School Graduate	123	42%	217
Some College, No Degree	50	17%	139
Associate Degree	24	8%	145
Bachelor's Degree or more	37	13%	89
<b>Population Age 5+ Years by Ability to Speak English</b>			
Total	375	100%	565
Speak only English	322	86%	381
Non-English at Home <sup>1+2+3+4</sup>	53	14%	333
<sup>1</sup> Speak English "very well"	38	10%	218
<sup>2</sup> Speak English "well"	5	1%	61
<sup>3</sup> Speak English "not well"	6	2%	76
<sup>4</sup> Speak English "not at all"	4	1%	64
<sup>3+4</sup> Speak English "less than well"	10	3%	98
<sup>2+3+4</sup> Speak English "less than very well"	15	4%	114
<b>Linguistically Isolated Households*</b>			
Total	0	0%	14
Speak Spanish	0	0%	14
Speak Other Indo-European Languages	0	0%	14
Speak Asian-Pacific Island Languages	0	0%	14
Speak Other Languages	0	0%	14
<b>Households by Household Income</b>			
Household Income Base	129	100%	147
< \$15,000	13	10%	42
\$15,000 - \$25,000	24	19%	79
\$25,000 - \$50,000	31	24%	82
\$50,000 - \$75,000	24	19%	104
\$75,000 +	36	28%	115
<b>Occupied Housing Units by Tenure</b>			
Total	129	100%	147
Owner Occupied	67	52%	147
Renter Occupied	61	48%	104
<b>Employed Population Age 16+ Years</b>			
Total	314	100%	423
In Labor Force	164	52%	306
Civilian Unemployed in Labor Force	4	1%	23
Not In Labor Force	150	48%	243

Data Note: Data may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. Source: U.S. Census Bureau, American Community Survey (ACS)

\*Households in which no one 14 and over speaks English "very well" or speaks English only.

Location: User-specified linear location

Ring (buffer): 1-miles radius

Description:

	2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population by Language Spoken at Home*</b>			
Total (persons age 5 and above)	0	0%	721
English	0	0%	580
Spanish	0	0%	307
French, Haitian, or Cajun	0	0%	18
German or other West Germanic	0	0%	20
Russian, Polish, or Other Slavic	0	0%	20
Other Indo-European	0	0%	18
Korean	0	0%	20
Chinese (including Mandarin, Cantonese)	0	0%	23
Vietnamese	0	0%	20
Tagalog (including Filipino)	0	0%	20
Other Asian and Pacific Island	0	0%	20
Arabic	0	0%	20
Other and Unspecified	0	0%	21
Total Non-English	0	0%	925

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. Source: U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020.

\*Population by Language Spoken at Home is available at the census tract summary level and up.

Location: User-specified linear location

Ring (buffer): 1-miles radius

Description:

Summary of ACS Estimates		2016 - 2020	
		Percent	MOE (±)
Population		7,921	666
Population Density (per sq. mile)		2,118	435
People of Color Population		3,947	397
% People of Color Population		50%	14
Households		2,593	377
Housing Units		2,774	328
Housing Units Built Before 1950		553	433
Per Capita Income		22,373	433
Land Area (sq. miles) (Source: SF1)		3.74	14
% Land Area		100%	14
Water Area (sq. miles) (Source: SF1)		0.02	2
% Water Area		0%	0
Population by Race		2016 - 2020 ACS Estimates	
Total		7,921	666
Population Reporting One Race		7,697	1,435
White		5,705	645
Black		1,338	397
American Indian		0	14
Asian		0	14
Pacific Islander		6	15
Some Other Race		648	350
Population Reporting Two or More Races		225	377
Total Hispanic Population		2,460	529
Total Non-Hispanic Population		5,461	
White Alone		3,974	607
Black Alone		1,310	389
American Indian Alone		0	14
Non-Hispanic Asian Alone		0	14
Pacific Islander Alone		0	14
Other Race Alone		67	101
Two or More Races Alone		111	119
Population by Sex			
Male		3,526	314
Female		4,396	461
Population by Age			
Age 0-4		718	175
Age 0-17		2,411	328
Age 18+		5,510	433
Age 65+		1,168	252

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. Source: U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020.

Location: User-specified linear location

Ring (buffer): 1-mile radius

Description:

	2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population 25+ by Educational Attainment</b>			
Total	4,774	100%	440
Less than 9th Grade	360	8%	128
9th - 12th Grade, No Diploma	374	8%	144
High School Graduate	1,341	28%	303
Some College, No Degree	1,246	26%	218
Associate Degree	345	7%	124
Bachelor's Degree or more	1,109	23%	175
<b>Population Age 5+ Years by Ability to Speak English</b>			
Total	7,204	100%	658
Speak only English	5,565	77%	545
Non-English at Home <sup>1+2+3+4</sup>	1,639	23%	337
<sup>1</sup> Speak English "very well"	1,257	17%	300
<sup>2</sup> Speak English "well"	120	2%	119
<sup>3</sup> Speak English "not well"	195	3%	170
<sup>4</sup> Speak English "not at all"	67	1%	74
<sup>3+4</sup> Speak English "less than well"	262	4%	175
<sup>2+3+4</sup> Speak English "less than very well"	382	5%	211
<b>Linguistically Isolated Households*</b>			
Total	58	100%	101
Speak Spanish	58	100%	100
Speak Other Indo-European Languages	0	0%	14
Speak Asian-Pacific Island Languages	0	0%	14
Speak Other Languages	0	0%	14
<b>Households by Household Income</b>			
Household Income Base	2,593	100%	190
< \$15,000	229	9%	138
\$15,000 - \$25,000	200	8%	100
\$25,000 - \$50,000	666	26%	134
\$50,000 - \$75,000	499	19%	99
\$75,000 +	1,000	39%	173
<b>Occupied Housing Units by Tenure</b>			
Total	2,593	100%	190
Owner Occupied	1,826	70%	202
Renter Occupied	767	30%	168
<b>Employed Population Age 16+ Years</b>			
Total	5,817	100%	552
In Labor Force	3,809	65%	355
Civilian Unemployed in Labor Force	211	4%	141
Not In Labor Force	2,008	35%	359

Data Note: Data may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. Source: U.S. Census Bureau, American Community Survey (ACS)

\*Households in which no one 14 and over speaks English "very well" or speaks English only.

Location: User-specified linear location

Ring (buffer): 1-miles radius

Description:

	2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population by Language Spoken at Home*</b>			
Total (persons age 5 and above)	7,157	100%	774
English	5,757	80%	803
Spanish	1,357	19%	468
French, Haitian, or Cajun	36	1%	20
German or other West Germanic	3	0%	20
Russian, Polish, or Other Slavic	0	0%	20
Other Indo-European	0	0%	20
Korean	0	0%	20
Chinese (including Mandarin, Cantonese)	0	0%	20
Vietnamese	0	0%	20
Tagalog (including Filipino)	0	0%	20
Other Asian and Pacific Island	0	0%	20
Arabic	0	0%	20
Other and Unspecified	3	0%	20
Total Non-English	1,400	20%	1,115

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. Source: U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020.

\*Population by Language Spoken at Home is available at the census tract summary level and up.

# Earthquakes

Figure 3.

## National Seismic Hazard Map

Adapted from [http://earthquake.usgs.gov/research/hazmaps/products\\_data/48\\_States/index.php](http://earthquake.usgs.gov/research/hazmaps/products_data/48_States/index.php)

