

DRAFT

**ENVIRONMENTAL ASSESSMENT
FOR**



**Community Development Block Grant (CDBG)
Contract #7219231**

Water System Improvements

FUTURE LINK TECHNOLOGIES, INC.

PO BOX 90696
AUSTIN, TX 78709
512-443-4100

www.future-link.biz

ENVIRONMENTAL ASSESSMENT
ENVIRONMENTAL REVIEW RECORDS FOR
City of Lockhart
Contract No. 7219231

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Texas Water Development Board - <http://www.twdb.state.tx.us>
Texas Parks and Wildlife – <http://www.tpwd.state.tx.us>
US Fish & Wildlife – <http://fws.com/>
National Resource Conservation Center -
<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>
Google Earth - http://www.google.com/google_earth.htm
Federal Emergency Management Agency - <http://www.msc.fema.gov/>
Federal Aviation Administration -
http://www.faa.gov/airports_airtraffic/airports/planning_capacity/npias/
National Response Center -<http://www.nrc.uscg.mil/pls/htmldb/f?p=109:1:139040664473>
Council of Government- <http://www.h-gac.com/>
Environmental Protection Agency -<http://epa.gov>
Environmental Protection Agency - [Environmental Protection Agency \(EPA\) Corrective Action Sites](#)
US Census – <http://www.census.gov>
Bureau of Economic Analysis – <http://www.bea.gov>
Texas General Land Office – www.glo.state.tx.us/coastal/cmp.html
Wild and Scenic Rivers in Texas - <http://www.nps.gov/rigr/planyourvisit/wildscenic.htm>
County of Caldwell – <http://www.co.caldwell.tx.us/>
City of Lockhart - <http://lockhart-tx.org/>
Texas Education Agency – <http://www.tea.state.tx.us/>
Texas Historical Commission - <http://www.thc.state.tx.us/>
US Housing & Urban Development – NEPASSIST -
<http://www.epa.gov/oecaerth/nepa/nepassist-mapping.html>
US Housing & Urban Development - Tribal Interest Website -
<http://eqis.hud.gov/tadat/countryQuery.aspx?state=Texas>
Texas Railroad Commission – <http://www.rrc.state.tx.us>

TAB 1

EVIDENCE OF PUBLICATION

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

CORRESPONDENCE

(e.g., HUD/EPA, RESPONSIBLE ENTITY, GRANT ADMINISTRATOR)

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

July 2, 2020

*City of Lockhart
308 W. San Antonio St.
Lockhart, Texas, 78644
512-398-3461*

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

REQUEST FOR RELEASE OF FUNDS

On or about July 20, 2020 the City of Lockhart will submit a request to the Texas Department of Agriculture (TDA) Office of Rural Affairs for the release of Community Development Block Grant funds under Title 1 Section 104(f) of the Housing and Community Development appropriations Act of 1974, as amended, to undertake a project known as Water System Improvements, contract # 7219231 for the purpose of new water line installation. Contractor shall increase water flow rates and reduce excessive pressure in the water system by replacing aged, inadequately sized water line with approximately two thousand six hundred linear feet (2,600 LF) eighteen-inch (18 in.) water line, four (4) eighteen-inch (18 in.) valves, fittings, one (1) fire hydrant, and all associated appurtenances and reconnections and including Administrative and Engineering fees and services. The water line shall be constructed cross-country to connect to the existing eighteen-inch (18 in.) water line approximately two thousand five hundred linear feet (2,500 LF) from the city of Lockhart Water Treatment Plant (WTP) and extend from just south of Blackjack Street 29°52'0.81"N, 97°39'49.61"W to just east of Commerce Street 29°52'5.79"N, 97°39'19.03"W. If funding is available, this project includes an added alternate 18 in water line to connect at S. Commerce Street to Martin Luther King Industrial Blvd. These activities shall benefit nine thousand eight hundred thirty (9,830) persons, of which five thousand five hundred ninety (5,590) or fifty-seven percent (57%) are of low-to-moderate income. Grant amount: \$300,000.00, Other \$60,000.00 (City).

FINDING OF NO SIGNIFICANT IMPACT

The City of Lockhart 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 is contained in the Environmental Review Record (ERR). The ERR will be made available to the public for review either electronically or by U.S. mail. Please submit your request by U.S. mail to City of Lockhart, 308 W. San Antonio St. Lockhart, Texas, 78644 or by email to cconstancio@lockhart-tx.org. Website and Instructions for Online Access: Access online at <http://www.lockhart-tx.org/page/downloads>, Select Dropdown "Parks and Recreation and Public Works Departments" and Select file named "LockhartCDBG7219231ERR-WaterImprovements.pdf".

PUBLIC COMMENTS

Any individual, group, or agency may submit written comments on the ERR to the City of Lockhart. All comments received by July 17, 2020 will be considered by the City of Lockhart prior to authorizing submission of a request for release of funds. Comments should specify which Notice they are addressing.

ENVIRONMENTAL CERTIFICATION

The City of Lockhart certifies to TDA that Lew White in his capacity as Mayor 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. TDA's approval of the certification satisfies its responsibilities under NEPA and related laws and authorities and allows the City of Lockhart to use Program funds.

OBJECTIONS TO RELEASE OF FUNDS

TDA will accept objections to its release of fund and the City of Lockhart 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 Lockhart (b) the City of Lockhart 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 TDA ; 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 to Texas Department of Agriculture, ATTN: Pamela Wozniak, TDA Environmental Review Specialist, 1700 North Congress Avenue, Austin, Texas 78701 or via email at Pamela.Wozniak@TexasAgriculture.gov.

Potential objectors should contact Texas Department of Agriculture to verify the actual last day of the objection period

Lew White Mayor City of Lockhart

Spanish Version

AVISO COMBINADO DE ENCONTRAR NINGUNA IMPACTO SIGNIFICANT Y AVISO DE INTENTO DE SOLICITAR LA RENUNCIA DE LOS FONDOS

2 de Julio de 2020

Ciudad de Lockhart
308 W. San Antonio St.
Lockhart, Texas, 78644
512-398-3461

Estos avisos deberán cumplir dos requisitos de procedimiento separados pero conexos para las actividades que deba llevar a cabo la ciudad de Lockhart.

SOLICITUD DE LIBERACIÓN DE FONDOS

El 20 de julio de 2020, la Ciudad de Lockhart presentará una solicitud a la Oficina de Asuntos Rurales del Departamento de Agricultura de Texas (TDA) para la liberación de fondos de Subvenciones por Bloques de Desarrollo Comunitario bajo el Título 1 Sección 104(f) de la Ley de Asignaciones de Vivienda y Desarrollo Comunitario de 1974, en su forma enmendada, para llevar a cabo un proyecto conocido como Mejoras del Sistema de Agua, contrato n.o 7219231 para la instalación de nuevas líneas de agua. El contratista aumentará las tasas de flujo de agua y reducirá la presión excesiva en el sistema de agua reemplazando la tubería de agua vieja y de tamaño inadecuado con aproximadamente dos mil seiscientos pies lineales (2,600 LF) línea de agua de 18 pulgadas (18 pulgadas), cuatro (4) dieciocho -pulgadas (18 pulg.) válvulas, accesorios, una (1) boca de incendios y todos los accesorios y reconexiones asociados, incluidas las tarifas y servicios administrativos y de ingeniería. La línea de agua se construirá a través del país para conectarse a la línea de agua existente de dieciocho pulgadas (18 pulgadas) aproximadamente a dos mil quinientos pies lineales (2.500 LF) desde la ciudad de Lockhart Water Treatment Plant (WTP) y extenderse desde el sur de la calle Blackjack 29°52'0.81"N, 97-39'49.61"W hasta el este de Commerce Street 29-52'5.79 , 97-39'19.03"W. Si hay fondos disponibles, este proyecto incluye un adicional alternativo 18 en línea de agua para conectar en S. Commerce Street con Martin Luther King Industrial Blvd. Estas actividades beneficiarán a nueve mil ochocientos treinta (9.830) personas, de las cuales cinco mil quinientos noventa (5.590) o cincuenta y siete por ciento (57%) ingresos bajos a moderados. Monto de la subvención: \$300,000.00 y Otra \$60,000.00 (ciudad).

CONSTATAción DE NINGÚN IMPACTO SIGNIFICATIVO

La ciudad de Lockhart ha determinado que el proyecto no tendrá un impacto significativo en el medio ambiente humano. Por lo tanto, no se requiere una Declaración de Impacto Ambiental bajo la Ley de Política Ambiental Nacional de 1969 (NEPA) Información adicional del proyecto contenida en el Registro de Revisión Ambiental (ERR). El ERR se pondrá a disposición del público para su revisión electrónica o por correo postal de los Estados Unidos. Por favor envíe su solicitud por correo postal de US a la ciudad de Lockhart, 308 W. San Antonio St. Lockhart, 308 W. San Antonio St. Lockhart, Texas, 78644 o por correo electrónico a cconstancio@lockhart-tx.org. Sitio web e instrucciones para el acceso en línea: acceda en línea en <http://www.lockhart-tx.org/page/downloads>, seleccione el menú desplegable "Parques y departamentos de recreación y obras públicas" y seleccione el archivo llamado "LockhartCDBG7219231ERR-WaterImprovements.pdf".

COMENTARIOS PUBLICOS

Cualquier individuo, grupo o agencia puede enviar comentarios por escrito en el ERR a la ciudad de Lockhart. Todos los comentarios recibidos antes del 17 de julio de 2020 serán considerados por la ciudad de Lockhart antes de autorizar la presentación de una solicitud de liberación de fondos. Los comentarios deben especificar qué Aviso se dirigen

CERTIFICACIONES AMBIENTALES

La ciudad de Lockhart certifica a TDA que Lew White en su calidad de alcalde consiente aceptar la jurisdicción de los tribunales federales si se interpone una acción para hacer cumplir las responsabilidades en relación con el proceso de revisión ambiental y que estas responsabilidades han sido satisfechas. La aprobación de la certificación por parte de TDA satisface sus responsabilidades bajo NEPA y las leyes y autoridades relacionadas y permite a la Ciudad de Lockhart utilizar los fondos del Programa.

OBJECIONES A LA LIBERACIÓN DE FONDOS

TDA aceptará objeciones a su liberación de fondos y a la certificación de la ciudad de Lockhart por un período de quince días a partir de la fecha de presentación prevista o su recepción real de la solicitud (lo que ocurra más tarde) sólo si están en una de las siguientes bases: (a) la certificación no fue ejecutada por el Oficial Certificador de la Ciudad de Lockhart (b) la Ciudad de Lockhart ha omitido un paso o no ha tomado una decisión o hallazgo requerido por Regulaciones de HUD en 24 CFR parte 58; (c) el beneficiario de la subvención u otros participantes en el proceso de desarrollo hayan comprometido fondos, incurridos en costos o emprendido actividades no autorizadas por 24 CFR Parte 58 antes de la aprobación de una liberación de fondos por parte del TDA; o (d) otra agencia federal que actúe de conformidad con 40 CFR Parte 1504 ha presentado una constatación escrita de que el proyecto es insatisfactorio desde el punto de vista de la calidad ambiental. Las objeciones deben ser preparadas y presentadas al Departamento de Agricultura de Texas ATTN: Pamela Wozniak, Especialista en Revisión Ambiental de TDA, 1700 North Congress Avenue, Austin, Texas 78701 o por correo electrónico, Pamela.Wozniak@TexasAgriculture.gov. Los posibles objetores deben comunicarse con el Departamento de Agricultura de Texas para verificar el último día real del período de objeción.

Lew White, Alcalde Ciudad de Lockhart

TAB 2

REQUEST FOR RELEASE OF FUNDS AND CERTIFICATION FORM

Request for Release of Funds and Certification

U.S. Department of Housing and Urban Development
Office of Community Planning and Development

OMB No. 2506-0087
(exp. 03/31/2020)

This form is to be used by Responsible Entities and Recipients (as defined in 24 CFR 58.2) when requesting the release of funds, and requesting the authority to use such funds, for HUD programs identified by statutes that provide for the assumption of the environmental review responsibility by units of general local government and States. Public reporting burden for this collection of information is estimated to average 36 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless that collection displays a valid OMB control number.

Part 1. Program Description and Request for Release of Funds (to be completed by Responsible Entity)

1. Program Title(s) Community Development Block Grant	2. HUD/State Identification Number Contract 7219231	3. Recipient Identification Number (optional)
4. OMB Catalog Number(s) CFDA No 14.228, Community Development Block Grant	5. Name and address of responsible entity Lew White, Mayor 308 W. San Antonio St., Lockhart, TX 78644	
6. For information about this request, contact (name & phone number) Lew White, Mayor (512) 398-5103	7. Name and address of recipient (if different than responsible entity)	
8. HUD or State Agency and office unit to receive request Texas Department of Agriculture Attention Program Coordinator P.O Box 12847 Austin, Texas 78701		

The recipient(s) of assistance under the program(s) listed above requests the release of funds and removal of environmental grant conditions governing the use of the assistance for the following

9. Program Activity(ies)/Project Name(s) CDBG - City of Lockhart Water System Improvements	10. Location (Street address, city, county, State) From the City of Lockhart Water Treatment Plant (WTP) extending from just south of Blackjack Street to just east of Commerce Street. The new 18" waterline extends from just south of Blackjack Street 29°52'0.81"N, 97°39'49.61"W to just east of Commerce Street 29°52'5.79"N, 97°39'19.03"W., Lockhart, Caldwell County, Texas
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11. Program Activity/Project Description

Water/Sewer Improvements Contractor shall increase water flow rates and reduce excessive pressure in the water system by replacing aged, inadequately sized water line with approximately two thousand six hundred linear feet (2,600 LF) eighteen-inch (18 in.) water line, four (4) eighteen-inch (18 in.) valves, fittings, one (1) fire hydrant, and all associated appurtenances and reconnections. The water line shall be constructed cross-country to connect to the existing eighteen-inch (18 in.) water line approximately two thousand five hundred linear feet (2,500 LF) from the city of Lockhart Water Treatment Plant (WTP) and extend from just south of Blackjack Street to just east of Commerce Street. These activities shall benefit nine thousand eight hundred thirty (9,830) persons, of which five thousand five hundred ninety (5,590) or fifty-seven percent (57%) are of low-to-moderate income.

Estimated Grant Amount: Total \$360,000 - \$300,000 CDBG, \$60,000 Other
Total Area of Disturbance Approximately 1.0 Acres.

Part 2. Environmental Certification (to be completed by responsible entity)

With reference to the above Program Activity(ies)/Project(s), I, the undersigned officer of the responsible entity, certify that:

1. The responsible entity has fully carried out its responsibilities for environmental review, decision-making and action pertaining to the project(s) named above.
2. The responsible entity has assumed responsibility for and complied with and will continue to comply with, the National Environmental Policy Act of 1969, as amended, and the environmental procedures, permit requirements and statutory obligations of the laws cited in 24 CFR 58.5; and also agrees to comply with the authorities in 24 CFR 58.6 and applicable State and local laws.
3. The responsible entity has assumed responsibility for and complied with and will continue to comply with Section 106 of the National Historic Preservation Act, and its implementing regulations 36 CFR 800, including consultation with the State Historic Preservation Officer, Indian tribes and Native Hawaiian organizations, and the public.
4. After considering the type and degree of environmental effects identified by the environmental review completed for the proposed project described in Part 1 of this request, I have found that the proposal did did not require the preparation and dissemination of an environmental impact statement.
5. The responsible entity has disseminated and/or published in the manner prescribed by 24 CFR 58.43 and 58.55 a notice to the public in accordance with 24 CFR 58.70 and as evidenced by the attached copy (copies) or evidence of posting and mailing procedure.
6. The dates for all statutory and regulatory time periods for review, comment or other action are in compliance with procedures and requirements of 24 CFR Part 58.
7. In accordance with 24 CFR 58.71(b), the responsible entity will advise the recipient (if different from the responsible entity) of any special environmental conditions that must be adhered to in carrying out the project.

As the duly designated certifying official of the responsible entity, I also certify that:

8. I am authorized to and do consent to assume the status of Federal official under the National Environmental Policy Act of 1969 and each provision of law designated in the 24 CFR 58.5 list of NEPA-related authorities insofar as the provisions of these laws apply to the HUD responsibilities for environmental review, decision-making and action that have been assumed by the responsible entity.
9. I am authorized to and do accept, on behalf of the recipient personally, the jurisdiction of the Federal courts for the enforcement of all these responsibilities, in my capacity as certifying officer of the responsible entity.

Signature of Certifying Officer of the Responsible Entity

Title of Certifying Officer

Lew White, Mayor

Date signed

X

Address of Certifying Officer

308 W. San Antonio St., Lockhart, TX 78644

Part 3. To be completed when the Recipient is not the Responsible Entity

The recipient requests the release of funds for the programs and activities identified in Part 1 and agrees to abide by the special conditions, procedures and requirements of the environmental review and to advise the responsible entity of any proposed change in the scope of the project or any change in environmental conditions in accordance with 24 CFR 58.71(b).

Signature of Authorized Officer of the Recipient

Title of Authorized Officer

Date signed

X

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

TAB 3

ENVIRONMENTAL ASSESSMENT DETERMINATIONS AND COMPLIANCE FINDINGS FOR HUD-ASSISTED PROJECTS 24 CFR PART 58

- COMPLIANCE WITH 24 CFR 50.4, 58.5 AND 58.6 LAWS AND
AUTHORITIES
 - STATUTES, EXECUTIVE ORDERS, AND REGULATIONS
LISTED AT 24 CFR 50.4 & 58.5
 - ENVIRONMENTAL ASSESSMENT FACTORS 24 CFR 58.4;
REF 40 CFR 1508.8 & 1508.27



**U.S. Department of Housing and Urban
Development**

451 Seventh Street, SW
Washington, DC 20410
www.hud.gov
espanol.hud.gov

Environmental Assessment Determinations and Compliance Findings for HUD-assisted Projects 24 CFR Part 58

Project Information

Project Name: Water System Improvements

Responsible Entity: City of Lockhart, TX

Grant Recipient (if different than Responsible Entity):

State/Local Identifier: Contract # 7219231

Preparer: Future Link Technologies, Inc.

Certifying Officer Name and Title: Lew White, Mayor

Grant Recipient (if different than Responsible Entity):

Consultant (if applicable):

Direct Comments to: Sean Kelley, Water/Wastewater
Department Superintendent
705 Wichita
Lockhart, TX

Project Location:

From the City of Lockhart Water Treatment Plant (WTP) extending from just south of Blackjack Street to just east of Commerce Street. The new 18" waterline extends from just south of Blackjack Street 29°52'0.81"N, 97°39'49.61"W to just east of Commerce Street 29°52'5.79"N, 97°39'19.03"W.

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:

Water/Sewer Improvements Contractor shall increase water flow rates and reduce excessive pressure in the water system by replacing aged, inadequately sized water line with approximately two thousand six hundred linear feet (2,600 LF) eighteen-inch (18 in.) water line, four (4) eighteen-inch (18 in.) valves, fittings, one (1) fire hydrant, and all associated appurtenances and reconnections. The water line shall be constructed cross-country to connect to the existing eighteen-inch (18 in.) water line approximately two thousand five hundred linear feet (2,500 LF) from the city of Lockhart Water Treatment Plant (WTP) and extend from just south of Blackjack Street to just east of Commerce Street. These activities shall benefit nine thousand eight

**Environmental Assessment
 Determinations and Compliance Findings for HUD-assisted Projects
 24 CFR Part 58
 CDBG Contract # 7219231
 Lockhart Water System Improvements**

hundred thirty (9,830) persons, of which five thousand five hundred ninety (5,590) or fifty-seven percent (57%) are of low-to-moderate income.

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]:

The City of Lockhart must improve citywide water pressure, flow, fire protection, and reliability by replacing undersized and aging water lines to ensure resiliency, service and compliance with Texas Commission on Environmental Quality (TCEQ) standards. The Contractor certifies that the activities carried out under this contract will meet the National Objective of benefitting LMI persons with at least 51% of the beneficiaries qualifying as LMI.

Existing Conditions and Trends [24 CFR 58.40(a)]:

The Water/Wastewater Department is owned by the City of Lockhart and operates a high-quality wastewater treatment plant and water system. It is responsible for the operation and maintenance of three elevated water towers that bring water to the residents and businesses of the City of Lockhart. The Water/Wastewater Department installs water and sewer taps, turns on and off water service, as well as responding to requests for service in regard to water or sewer line situations.

The City of Lockhart strongly supports the national primary drinking water regulation compliance process. The City of Lockhart receives its water from two sources. Groundwater is pumped from the Wilcox Aquifer and blended with surface water from the San Marcos River treated at the GBRA Luling Water Treatment Plant, operated by the Guadalupe-Blanco River Authority (GBRA).

Lockhart’s estimated population for 2020 is 14,726 with a growth rate of 2.80% annually. Its population has increased by 15.97% since the most recent census, which recorded a population of 12,698 in 2010. Currently, the City experiences low water pressure and as the city grows, existing lines are insufficient to carry water to meet the growing demand. This grant will facilitate the completion of a planned water line expansion project where water pressure will help meet the growing demands of the area.

Funding Information

Grant Number	HUD Program	Funding Amount
7219231	CDBG	\$300,000

Estimated Total HUD Funded Amount: \$300,000.00

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$360,000

Compliance with 24 CFR 50.4, 58.5, and 58.6 Laws and Authorities

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits of approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project is consistent with this item. There are no military airports within 15,000 feet of the project and no civil airports located within 2500 feet of the project. The closest civil airport is approximately 4200 lf from the project site. No impact is expected. See Tab 6, Attachment 1.
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project is consistent with this item. The project is not located within a coastal barrier resource area. See map Tab 6, Attachment 2.
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project is consistent with this item. The project area is not located within the 100-year floodplain. according to FEMA NFHL Panel 48055C0235E, Effective 6/19/2012. See Tab 6, Attachment 10. The City participates in the NFIP program. See Tab 6, Attachment 3 for proof of participation.
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d);	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project is consistent with this item. According to TCEQ data and NEPAassist data, this project is not located within a non-attainment /maintenance area. Activities will not

**Environmental Assessment
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40 CFR Parts 6, 51, 93		be impacted by nor impact the proposed project. See Tab 6, Attachment A4.
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project is consistent with this item. The project is not located within a coastal barrier resource area. See map Tab 6, Attachment 5.
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>The project is consistent with this item.</p> <p>Searches with HUD recommended distances using TCEQ and EPA available databases for listed permitted facilities with enforcement issues problems in the area were mapped and examined. TCEQ data searches resulted in no findings for the following listed facilities: NPL, CERCLIS, Landfills or solid waste sites, registered RCRA Hazardous Waste Generators and Corrective Actions, Institutional controls, Voluntary/Innocent Owner Operator sites, Brownfields, and Spills.</p> <p>Regarding Petroleum Storage Tanks, the following are located within .5 mile of Project site areas:</p> <p>EPA databases reflected no cleanup sites within prescribed distances. For example, according to site, https://www.epa.gov/superfund/national-priorities-list-npl-sites-state#TX , there are no NPLs located within 1 mile or no delisted site within .5 mile of Project.</p> <p>The Cleanups in My Community and NEPAassist mapping is included. Both reflect databases reflect no sites are located within prescribed distances (see list of hazardous sites reviewed). No impact is expected for activities at the proposed project location. Website searches were made at the Emergency Response Notification System (ERNS) database http://www.rtknet.org/ldb/erns.</p> <p>See Tab 6, Attachment 6.</p>
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project is consistent with this item While there is no indication of any endangered species located at the project site, the project was submitted to TPWD for

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<p>Part 402</p>	<p>consultation on 4/12/20. Approval was received 5/12/20. Considering trenching will occur at the site, special precautions should be taken to prevent accidental capture of any species. For example, open trenches will be monitored and covered after hours and any species found will be allowed to leave the area. Soil stabilization and /or revegetation of disturbed areas will be handled through seed stabilization materials consistent with area recommended native plants and grasses, avoiding invasive plants.</p> <p>Considering the location of the work, i.e., within the city limits and close to populous areas as well as a review of the federal T&E listing (IPAC) the Project will have no impact to federal endangered species. The Texas Parks & Wildlife Texas Natural Diversity Database (TXNDD) was consulted which shows the following surveys located within 5 miles of the project area:</p> <ul style="list-style-type: none"> • Colonial Wading Bird Colony Rookery; Feature ID 7478, EO ID 6195 located approximately 730' ft. from project area. • Texas Oat Series <i>Quercus buckleyi series</i>; Feature ID 4191, EO ID 2908 • Plateau Live Oak/little Bluestem Series (<i>Quercus fusiformis/schizachyrium scoparium series</i>), Feature ID 3659, EO ID 3559 • Cedar Elm-sugarberry Series (<i>Ulmus crassifolia-celtis laevigata series</i>) Feature ID 4635, EO ID 3352 • Vegetation; Little Bluestem-Indiangrass Feature ID 6356, EO ID 5073, • Cedar Elm Sugarberry Calcareous Floodplain Forest Feature ID 4635, EO ID 3352. <p>Soils in the area are identified as Blackland Prairie Grassland previously disturbed. The Caldwell County Threatened & Endangered</p>
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	<p>Species (T&E) listing was examined, it provides a breakdown of potential impact to the project area. These factors are important in assessing habitat for species on the County T&E listing. This information was considered and compared against the NRCS county soils map for the project area. See Attachment 1 & 2.</p> <p>Regarding migratory birds, research indicates the Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> is listed as a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. The Species breeds between May 10 to Sep 10th.</p> <p>While no specific mitigation measures are expected to be necessary for migratory birds, it is recommended that the site be checked for ground nests prior to construction avoiding construction disturbance from a minimum zone of 100 meters surrounding any raptor nest February 1 through July 15. Clearing vegetated areas for construction between March to August will include an examination prior to construction to ensure that no nests with eggs or young will be disturbed by construction. If any nests are discovered in vegetation or bare ground within at least 25 feet of occupied nests avoid disturbance until the eggs have hatched and the young have fledged. Industry specific mitigation measures will be applied to return the area to its original condition and precautions taken to maintain minimal disturbance within the construction area including best management practices to prevent construction runoff through berming and silt fencing installed to prevent unintended capture of any species. It is also recommended that open trenches be covered at night to prevent accidental capture. A review of the site daily to prevent accidental capture is also recommended.</p>
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<p>Explosive and Flammable Hazards</p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is consistent with this item. The project is located at an existing utility easement where the replacement line will be laid. See project description and project location maps in Tab 5.</p>
<p>Farmlands Protection</p> <p>Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>Project is consistent with this item. Location is within existing utility easement. No new disturbance of soils. In addition, the area while the project area is located at soils considered prime farmland (according to USDA Natural Resource Conservation Service), the site is located within the city limits of Lockhart and is considered within areas already in urban development. See Tab 5, General Location Maps.</p>
<p>Floodplain Management</p> <p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is consistent with this item. See Tab 6, Attachment 3 for proof of participation. The project area is not located within the 100-year floodplain. according to FEMA NFHL Panel 48055C0235E, Effective 6/19/2012. See Tab 6, Attachment 10.</p>
<p>Historic Preservation</p> <p>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is consistent with this item. The project was submitted to THC on 04/17/20 with a THC approval on 05/12/20. See Tab 6, Attachment 11. No tribes were contacted in accordance with HUD tool entitled "When To Consult With Tribes Under Section 106". The project does not include new ground disturbance as the existing utility easement already holds an existing insufficient capacity distribution water line from the plant to Lockhart. The easement is used for other overhead and underground utilities as well. See Tab 6, Attachment 11.</p>
<p>Noise Abatement and Control</p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is not a noise sensitive issue and any noise generated from the construction will be temporary. No impact is expected. Contractor will utilize accepted methods of dust and <i>noise abatement</i> during the construction period as well as utilizing TxDOT construction specifications.</p>

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		Construction workers should be aware of this Ordinance. See Worksheet Tab 6, Attachment 12.
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	See Tab 6, Attachment 13 for maps regarding sole source aquifers and location of project activities. The project is not located over a sole source aquifer.
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project is consistent with this item. See Tab 6, Attachment 14 for maps regarding area wetlands. The project is not located at or near any wetlands as identified by the National Wetland Inventory data for Lockhart.
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project is consistent with this item. The project is not located by any wild and scenic rivers or those listed on the national rivers inventory. See map at Tab 6, Attachment 15.
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project is consistent with this item. Based upon desk research and site visits, no environmental impacts will have an impact on upon a low-income or minority community. The activities will be a benefit to the community. The Contractor certifies that the activities carried out under this contract will meet the National Objective of benefitting LMI persons with at least 51% of the beneficiaries qualifying as LMI

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 &1508.27] Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits of approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

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Impact Codes: Use an impact code from the following list to make the determination of impact for each factor.

- (1) Minor beneficial impact
- (2) No impact anticipated
- (3) Minor Adverse Impact – May require mitigation
- (4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	The project is consistent with city and area plans. The increased water line size is needed for improved water pressure from the water plant. The project area is a public easement located within a fenced privately owned farmed/ranched property. The project is consistent with this. See Tab 5 easement permissions and access agreements.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	The soils are suitable for the project area. The project area is located within an existing easement within the City limits. Primary soils include Branyon clay and Burleson clay both with 0 to 1 percent slopes. The project area does not flood out regularly.
Hazards and Nuisances including Site Safety and Noise	2	No indication of hazards our nuisances were identified at the site. The proposed project location is within an existing easement. Hence, all other utilities will be identified in the area prior to construction to prevent impact to or from other utilities – either above or below ground.
Energy Consumption	2	No excessive energy consumption is expected as a result of the project. The project activities may increase energy consumption during construction, but this will be temporary.

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	2	No long term increase in employment or income patterns are expected from this project as its goal is to increase water pressure from the plant to distribution lines within Lockhart.
Demographic Character Changes, Displacement	2	No demographic character changes or displacement will occur as a result of this project. The construction activities are limited to installing lines to increase pressure for water distribution throughout Lockhart.

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Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	No impact will occur to area education or cultural facilities. The project area is not located in areas where impact to traffic or accessibility to educational or cultural facilities is expected.
Commercial Facilities	2	No negative impact to commercial facilities is expected. Constructed is limited to an existing easement within a field where no impact to area commercial facilities is expected.
Health Care and Social Services	2	There are no health care or social services at or near the project area. No impact is expected.
Solid Waste Disposal / Recycling	2	There are no solid waste disposal or recycling centers at or near the project area. Any solid waste disposal as a result of the project activities should be managed in accordance with state and federal disposal regulations.
Waste Water / Sanitary Sewers	2	No impact to existing wastewater or sanitary sewer sources are expected from the proposed project. However, there are other utilities lines located at or near where the new water lines are planned. The project area located just outside the City's Sewer CCN 20114. No impact is expected.
Water Supply	1	The project will positively impact the City of Lockhart by improving dire water pressure needs for citizens and businesses in the area. The current water service is the City of Lockhart. The CCN 1-205 services the City of Lockhart and surrounding areas. The area water well grid is 67-11-3. According to TCEQ Water Well Report viewer, there are no other wells located at the project site, but there are other wells in Lockhart. The City of Lockhart receives its water from two sources. Groundwater is pumped from the Wilcox Aquifer and blended with surface water from the San Marcos River treated at the GBRA Luling Water Treatment Plant, operated by the Guadalupe-Blanco River Authority (GBRA). The project area is located within the Plum Creek Conservation District - http://pccd.org/ . The City of Lockhart has an active registration 0280001. The water plant is located at 547 Old McMahan Rd, northeast of the project area where the connection to the plant will occur.
Public Safety - Police, Fire and Emergency Medical	2	There are no public safety, medical or fire emergency response facilities located within close proximity to the project. The project will not promote negative impact to area public safety services.
Parks, Open Space and Recreation	2	There are no parks or open spaces at the project site. The utility easement is located within a field where appropriate access and permission has been provided by adjacent property

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		management. See Tab 5 for important location maps and permissions.
Transportation and Accessibility	2	The project activities will occur within an existing easement. No transportation impact is expected. The utility easement is located within a field where appropriate access and permission has been provided by adjacent property management. See Tab 5 for important location maps and permissions.

Environmental Assessment Factor	Impact Code	Impact Evaluation																																																																																					
NATURAL FEATURES																																																																																							
Unique Natural Features, Water Resources	2	There are no unique natural features or water resources to be impacted by the project construction activities. There are no wetlands or streams or water resources to be negatively impacted by the installation of new lines within an existing easement.																																																																																					
Vegetation, Wildlife	2	<p>The vegetation in the area is primarily ranch and crop land. A TPWD breakdown of the project area and a 1000 ft buffer provides the following breakdown of terrain ecological sites includes:</p> <div style="text-align: center;"> <p>Summary: Lockhart Water Improvements 284.26 Acres 115.04 Hectares</p> <table border="1"> <thead> <tr> <th>Acres</th> <th>Hectares</th> <th>% Total</th> <th># Polys</th> <th>Tx Ecological System</th> </tr> </thead> <tbody> <tr> <td>201.28</td> <td>81.46</td> <td>70.81</td> <td>5</td> <td>Blackland Prairie: Disturbance or Tame Grassland</td> </tr> <tr> <td>201.28</td> <td>81.46</td> <td>70.81</td> <td>5</td> <td>Blackland Prairie: Disturbance or Tame Grassland</td> </tr> <tr> <td>42.79</td> <td>17.32</td> <td>15.05</td> <td>11</td> <td>Urban High Intensity</td> </tr> <tr> <td>42.79</td> <td>17.32</td> <td>15.05</td> <td>11</td> <td>Urban High Intensity</td> </tr> <tr> <td>20.79</td> <td>8.41</td> <td>7.31</td> <td>6</td> <td>Urban Low Intensity</td> </tr> <tr> <td>20.79</td> <td>8.41</td> <td>7.31</td> <td>6</td> <td>Urban Low Intensity</td> </tr> <tr> <td>8.33</td> <td>3.37</td> <td>2.93</td> <td>2</td> <td>Native Invasive: Mesquite Shrubland</td> </tr> <tr> <td>8.33</td> <td>3.37</td> <td>2.93</td> <td>2</td> <td>Native Invasive: Mesquite Shrubland</td> </tr> <tr> <td>5.81</td> <td>2.35</td> <td>2.04</td> <td>2</td> <td>Open Water</td> </tr> <tr> <td>5.81</td> <td>2.35</td> <td>2.04</td> <td>2</td> <td>Open Water</td> </tr> <tr> <td>3.46</td> <td>1.40</td> <td>1.22</td> <td>1</td> <td>Central Texas: Floodplain Herbaceous Vegetation</td> </tr> <tr> <td>3.46</td> <td>1.40</td> <td>1.22</td> <td>1</td> <td>Central Texas: Floodplain Herbaceous Vegetation</td> </tr> <tr> <td>1.79</td> <td>0.73</td> <td>0.63</td> <td>3</td> <td>Barren</td> </tr> <tr> <td>1.79</td> <td>0.73</td> <td>0.63</td> <td>3</td> <td>Barren</td> </tr> <tr> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>1</td> <td>Native Invasive: Deciduous Woodland</td> </tr> <tr> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>1</td> <td>Native Invasive: Deciduous Woodland</td> </tr> </tbody> </table> </div> <p>No wildlife was observed during the site visit. The area is comprised primarily light industrial with higher traffic use. The activities while located at an existing utility easement is located within a fenced privately owned ranch/farmland within the City limits of Lockhart.</p>	Acres	Hectares	% Total	# Polys	Tx Ecological System	201.28	81.46	70.81	5	Blackland Prairie: Disturbance or Tame Grassland	201.28	81.46	70.81	5	Blackland Prairie: Disturbance or Tame Grassland	42.79	17.32	15.05	11	Urban High Intensity	42.79	17.32	15.05	11	Urban High Intensity	20.79	8.41	7.31	6	Urban Low Intensity	20.79	8.41	7.31	6	Urban Low Intensity	8.33	3.37	2.93	2	Native Invasive: Mesquite Shrubland	8.33	3.37	2.93	2	Native Invasive: Mesquite Shrubland	5.81	2.35	2.04	2	Open Water	5.81	2.35	2.04	2	Open Water	3.46	1.40	1.22	1	Central Texas: Floodplain Herbaceous Vegetation	3.46	1.40	1.22	1	Central Texas: Floodplain Herbaceous Vegetation	1.79	0.73	0.63	3	Barren	1.79	0.73	0.63	3	Barren	0.00	0.00	0.00	1	Native Invasive: Deciduous Woodland	0.00	0.00	0.00	1	Native Invasive: Deciduous Woodland
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Other Factors		None																																																																																					

Additional Studies Performed:

No additional studies have been conducted as a part of this review.

Field Inspection (Date and completed by):

Latrice Hertzler, Environmental Service Provider – 09/10/2019

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]:

Texas Commission on Environmental Quality - <http://www.tceq.state.tx.us/>
Texas Water Development Board - <http://www.twdb.state.tx.us>
Texas Parks and Wildlife – <http://www.tpwd.state.tx.us>
US Fish & Wildlife – <http://fws.com/>
National Resource Conservation Center -
<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>
Google Earth - <http://www.google.com/google earth.htm>
Federal Emergency Management Agency - <http://www.msc.fema.gov/>
Federal Aviation Administration -
http://www.faa.gov/airports_airtraffic/airports/planning_capacity/npias/
National Response Center -<http://www.nrc.uscg.mil/pls/htmldb/f?p=109:1:139040664473>
Council of Government- <http://www.h-gac.com/>
Environmental Protection Agency -<http://epa.gov>
Environmental Protection Agency - Environmental Protection Agency (EPA) Corrective Action Sites
US Census – <http://www.census.gov>
Bureau of Economic Analysis – <http://www.bea.gov>
Texas General Land Office – www.glo.state.tx.us/coastal/cmp.html
Wild and Scenic Rivers in Texas - <http://www.nps.gov/rigr/planyourvisit/wildscenic.htm>
County of Caldwell – <http://www.co.caldwell.tx.us/>
City of Lockhart - <http://lockhart-tx.org/>
Texas Education Agency – <http://www.tea.state.tx.us/>
Texas Historical Commission - <http://www.thc.state.tx.us/>
US Housing & Urban Development – NEPASSIST -
<http://www.epa.gov/oecaerth/nepa/nepassist-mapping.html>
US Housing & Urban Development - Tribal Interest Website -
<http://egis.hud.gov/tadat/countyQuery.aspx?state=Texas>
Texas Railroad Commission – <http://www.rrc.state.tx.us>

List of Permits Obtained:

None.

Public Outreach [24 CFR 50.23 & 58.43]:

A public review process was conducted in accordance with the requirements of an environmental assessment. This included publishing of a fifteen day public comment period via a Combined Notice of Finding of No Significant Impact and Intent To Request Release Of Funds in accordance with , published in the local newspaper, The _____ comments received.

Cumulative Impact Analysis [24 CFR 58.32]:

The City of Lockhart has been experiencing low pressure in water lines throughout the City. TCEQ has indicated improvements must be made to ensure human health. The overall impact of installing these lines will complete an ongoing project to improve this situation. The new lines are not expected to negatively impact any area environmental factors. Any impacts will be short term and temporary. The improvements to the water distribution in the city will promote continued clean drinking water access for the community and will support ongoing growth of the town.

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

1. Moving this project to another location was considered, however, the route selected provides a direct connection to other existing lines and the use of the existing easement eliminates the need for additional expense on alternate easements.
2. Reducing the line size was considered, however, considering the growth of the community, the line size selected will help to meet the future demands of a growing community.

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

Not installing the new line was considered, however, this would not meet the ongoing demands of the City for pressure consistent with regulatory requirements as well as it would meet the ongoing plans for the City to have adequate water pressure for future growth of the city.

Summary of Findings and Conclusions:

- According to FEMA Firm Panels none of the project area is located within the 100-year floodplain. Construction will include appropriate grades to ensure proper drainage continues in the area.
- Project does not involve wetlands. No impact is expected.
- There are no compliance issues with comprehensive plans.
- No negative urban impact is anticipated.
- There will be no impact to the demographic character of the community.
- No displacement of citizens is expected.
- No adverse effects to storm water systems is expected, but precautions must be taken to preserve or improve existing contours, slopes and drainage.
- Improvements to water supplies are expected as a result of the construction.
- Improved fire protection services is expected from this project. No impact to police or other emergency functions is expected. Public safety crews must be apprised of activities timelines in order to facilitate traffic controls and be prepared for possible related emergencies.
- Incorporate best management practices that avoid other utilities in the area.
- This Project will have no effect to federally or state listed threatened, endangered, or special status species or their critical habitat and no habitat for these species occurs within the

TAB 4

PROJECT DESCRIPTION

- FORM 314

(A314) Project Description Sheet

CONTRACTOR LOCALITY: City of Lockhart

CHIEF ELECTED OFFICIAL: Lew White, Mayor

TxCDBG CONTRACT NO: 7219231

PROJECT NAME: Water Improvements Project

PROJECT NARRATIVE:

The City of Lockhart must improve citywide water pressure, flow, fire protection, and reliability by replacing undersized and aging water lines to ensure resiliency, service and compliance with Texas Commission on Environmental Quality (TCEQ) standards.

PROJECT DESCRIPTION:

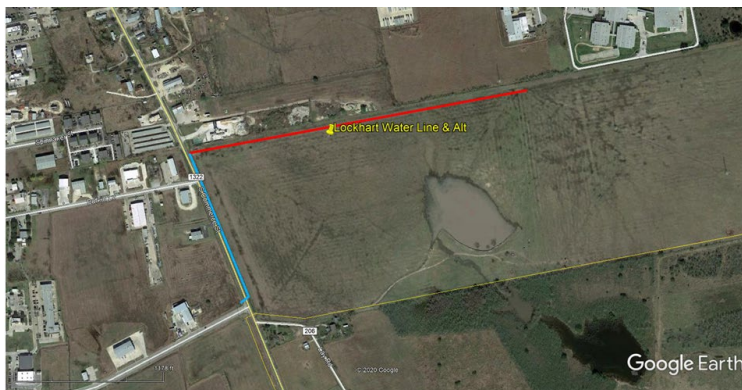
Contractor shall increase water flow rates and reduce excessive pressure in the water system by replacing aged, inadequately sized water line with approximately two thousand six hundred linear feet (2,600 LF) eighteen-inch (18 in.) water line, four (4) eighteen-inch (18 in.) valves, fittings, one (1) fire hydrant, and all associated appurtenances and reconnections.

These activities shall benefit nine thousand eight hundred thirty (9,830) persons, of which five thousand five hundred ninety (5,590) or fifty-seven percent (57%) are of low-to-moderate income.

PROJECT LOCATION:

The water line shall be constructed cross-country to connect to the existing eighteen-inch (18 in.) water line located approximately two thousand five hundred linear feet (2,500 LF) from the City of Lockhart Water Treatment Plant (WTP). The new 18" waterline extends from just south of Blackjack Street 29°52'0.81"N, 97°39'49.61"W to just east of Commerce Street 29°52'5.79"N, 97°39'19.03"W.

In the event funding remains, this project includes an added alternate line to connect from the project site at S. Commerce Street heading southeast to an existing water line at S. Commerce Street to Martin Luther King Industrial Blvd. approximately 1,300' linear feet.



The proposed project is located within the City Limits of Lockhart, TX

— Proposed Project Area
— Possible Alternate

GRANT AMOUNT: \$300,000; Total Project \$360,000

TOTAL AREA OF DISTURBANCE: Approximate 2,500' linear feet of water line installation with possible approximately 1,300' linear feet added alternative.

MITIGATION MEASURES: None

DESCRIPTION OF SURROUNDING AREAS: The area is comprised primarily light industrial with higher traffic use. The activities while located at an existing utility easement is located within a fenced privately owned ranch/farmland within the City limits of Lockhart.

PUBLIC NOTICE: A public review process was conducted in accordance with the requirements of an environmental assessment. This included publishing of a fifteen day public comment period via a Combined Notice of Finding of No Significant Impact and Intent To Request Release Of Funds in accordance with , published in the local newspaper, The ___. _____ comments received.

PROJECT ALTERNATIVES:

1. Moving this project to another location was considered, however, the route selected provides a direct connection to other existing lines and the use of the existing easement eliminates the need for additional expense on alternate easements.
2. Reducing the line size was considered, however, considering the growth of the community, the line size selected will help to meet the future demands of a growing community.
3. Not installing the new line was considered, however, this would not meet the ongoing demands of the City for pressure consistent with regulatory requirements as well as it would meet the ongoing plans for the City to have adequate water pressure for future growth of the city.

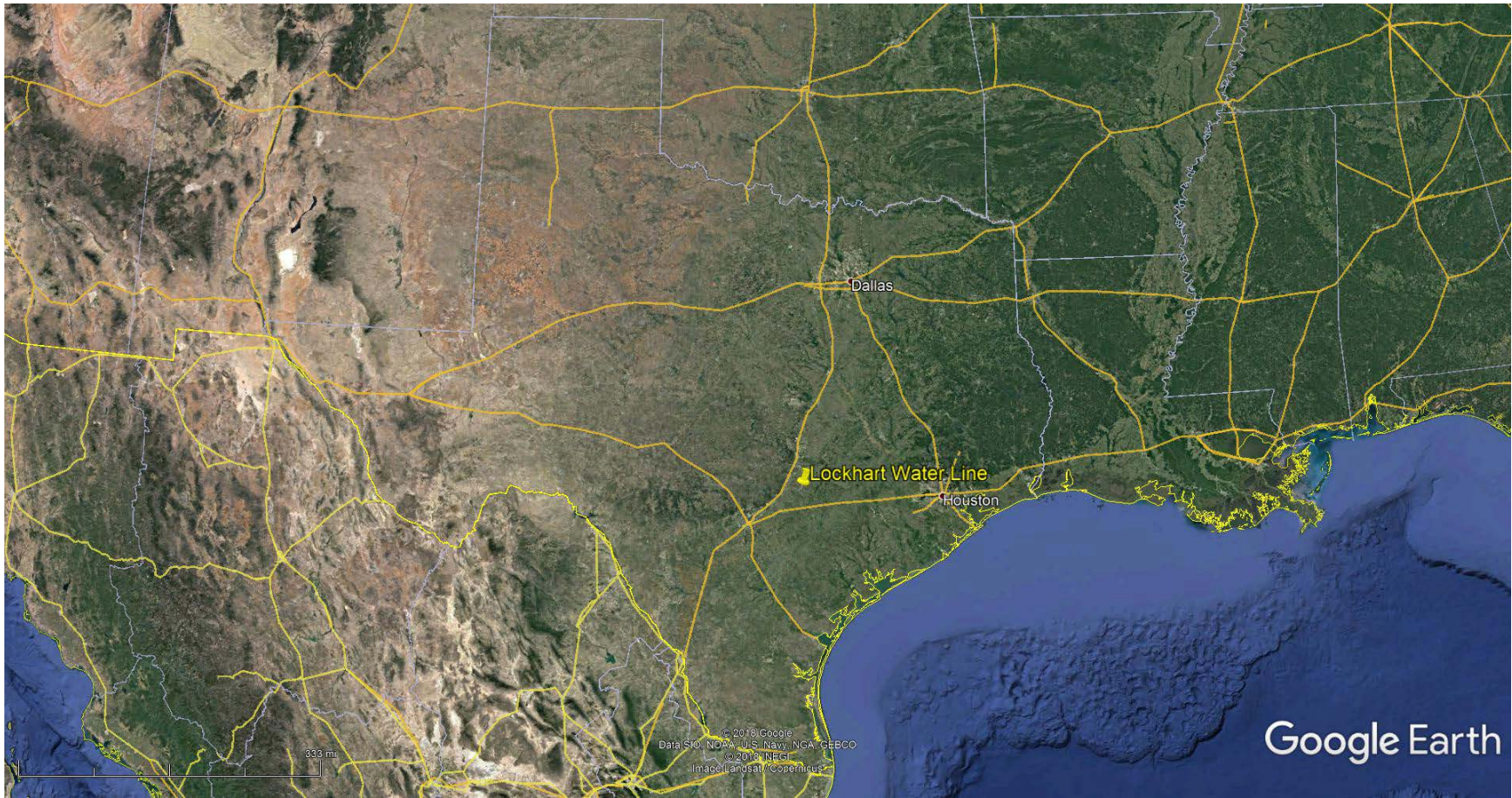
COMPARISON WITH APPLICABLE PLANS:

	<u>Project Is In Compliance</u>		
<u>Factor</u>	Yes	No (Explain)	N.A.
Local Comprehensive Plans Including Land Use and Growth Management Elements	<u> x </u>	<u> </u>	<u> </u>
Area and Regional Plans	<u> x </u>	<u> </u>	<u> </u>
Local Zoning Ordinances	<u> x </u>	<u> </u>	<u> </u>



TAB 5

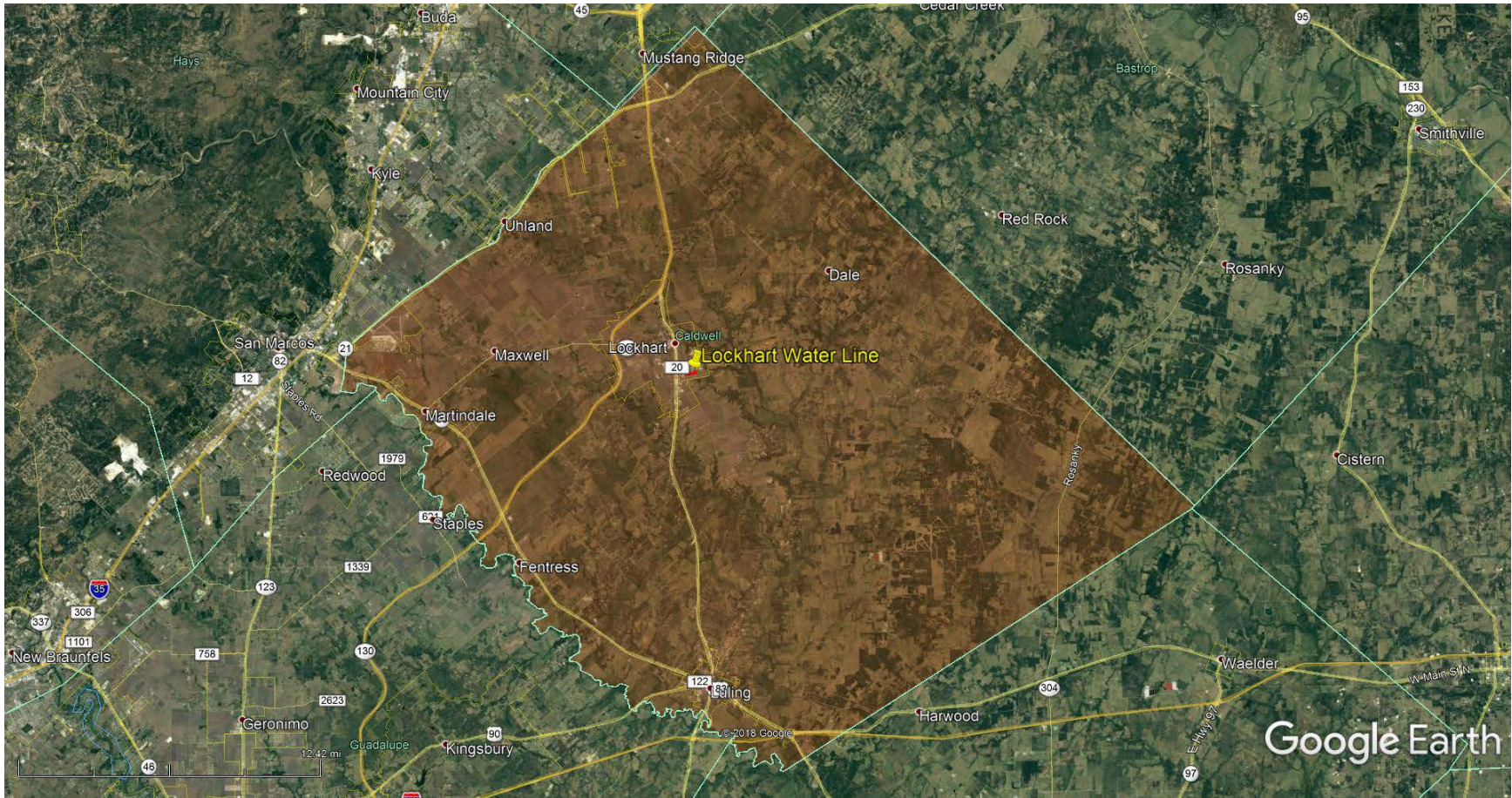
GENERAL PROJECT LOCATION AND AERA OF POTENTIAL EFFECT

- GOOGLE MAP/AERIAL PROJECT BOUNDARIES
 - SITE VISIT PICTURES
 - SITE VISIT NOTES AND
 - PROJECT ENGINEERING




The City of Lockhart is located in Texas

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 	
Contract #	7219231	PO Box 90696, Austin, TX 78709	
Map Information	General Location Maps	512-443-4100	
Date	April 20	Environmental Service Provider	




Lockhart is located in Caldwell County

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 
Contract #	7219231	PO Box 90696, Austin, TX 78709
Map Information	General Location Maps	512-443-4100
Date	April 20	Environmental Service Provider



Project area is located in Lockhart, TX


- Proposed Project Area
- Project Alternative Location
- Lockhart City Limits

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 
Contract #	7219231	PO Box 90696, Austin, TX 78709
Map Information	General Location Maps	512-443-4100
Date	April 20	Environmental Service Provider



— Lockhart Water Line Proposed Project Area


— Project Alternative Location

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 
Contract #	7219231	PO Box 90696, Austin, TX 78709
Map Information	General Location Maps	512-443-4100
Date	April 20	Environmental Service Provider



Lockhart Water Line Proposed Project Area - From City of Lockhart Water Treatment Plant (WTP) extends just south of Blackjack Street to east of Commerce Street. FROM: 29°52'0.81"N, 97°39'49.61"W TO: 29°52'5.79"N, 97°39'19.03"W

Project Alternative Location - Alternate line to connect from the project site at S. Commerce Street heading southeast to an existing water line at S. Commerce Street to Martin Luther King Industrial Blvd. Alternate location approximately 1300 linear feet

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 
Contract #	7219231	PO Box 90696, Austin, TX 78709
Map Information	General Location Maps	512-443-4100
Date	April 20	Environmental Service Provider

City of Lockhart New Water Line Contract # 7219231



SITE-SPECIFIC FIELD CONTAMINATION & ECOLOGICAL CHECKLIST

Completing the form requires a site visit by the preparer. The preparer should be sure to observe the property by walking through the property and the building(s) and other structures on the property to the extent possible and observing all adjoining* properties.

PREPARER MUST COMPLETE CHECKLIST IN ITS ENTIRITY

Date of Visit: 09/10/19	Time: 1:45 pm	Weather Conditions: Clear
-----------------------------------	-------------------------	-------------------------------------

Program Name:
Texas Department of Agriculture Community Development Block Grant

Project Name:
Lockhart Water System Improvements

Does the project include any of the following activities? Include all that apply.

Structure demolition operations or structure modifications.
If yes, is there potential for the building to contain asbestos or lead-based paint? Yes No

Pipeline and underground utility installation or adjustments.

De-watering.

Purchase of new ROW or easement.

Trenching, drilled shafts, cuts or other excavations.

Project Location/Address:
The new 18" waterline extends from just south of Blackjack Street 29°52'0.81"N, 97°39'49.61"W to just east of Commerce Street 29°52'5.79"N, 97°39'19.03"W.

Property Owner:

Attach the following, as appropriate:

Photographs of site and surrounding areas Maps (street, topographic, aerial, site map, etc.)

QUESTION Is there evidence of any of the following?	OBSERVATION	
	SUBJECT PROPERTY	ADJOINING PROPERTIES
Is the property or any adjoining property currently used, or has evidence of prior use, as a gasoline station, motor vehicle repair facility, printing facility, dry cleaners, photo developing laboratory, junkyard, or as a waste treatment, storage, disposal, processing or recycling facility?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>
Are there any damaged or discarded automobile(s), automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers greater than 5 gal in volume or 50 gal in the aggregate, stored on or used at the property or adjoining properties?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/> UNKNOWN <input type="checkbox"/>
Are there any industrial drums (typically 55 gal) or sacks of chemicals, herbicides or pesticides located on the property or adjoining properties?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>
Has fill dirt been brought onto the property or adjoining properties that originated from a suspicious site or that is of an unknown origin?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/> UNKNOWN <input type="checkbox"/>
Changes in drainage patterns from possible fill areas?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>
Are there any pits, ponds, or lagoons located on the property or adjoining properties in connection with waste treatment or waste disposal?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/> UNKNOWN <input type="checkbox"/>
Oil sheen or films on surface water, seeps, lagoons, ponds, or drainage basins?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>

	UNKNOWN <input type="checkbox"/>	UNKNOWN <input type="checkbox"/>
Is there any stained soil, distressed vegetation and/or discolored water on the property or adjoining properties?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>
Are there any storage tanks , aboveground or underground (other than residential), located on the property or adjoining properties?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>

**Adjoining properties:* Any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them.

QUESTION	SUBJECT PROPERTY	ADJOINING PROPERTIES
Is there evidence of any of the following?		
Are there any vent pipes, fill pipes, or underground tank access ways visible on the property or adjoining properties?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>
Are any flooring, drains, walls, ceilings, or grounds on the property or adjoining properties stained by substances (other than water) or emitting noxious or foul odors or odors of a chemical nature?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>
Is the property served by a private well or non-public water system? (If yes, a follow-up investigation is required to determine if contaminants have been identified in the well or system that exceed guidelines applicable to the water system, or if the well has been designated contaminated by any government environmental/health agency.)	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	
Has the owner or occupant of the property been informed of the existence of past or current hazardous substances or petroleum products or environmental violations with respect to the property or adjoining properties?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>
Do the property or adjoining properties discharge wastewater (not including sanitary waste or storm water) onto the property or adjoining properties and/or into a storm water system?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>
Is there a transformer, capacitor, or any hydraulic equipment on the property or adjoining properties that are not marked as "non-PCB"? If so, are there signs of leaking transformers oil on the ground?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>
Are there injection wells, cisterns, sumps, dry wells flooring, drains, or walls stained by substances other than water or emitting foul odors?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	
Surface dumping of trash, garbage, refuse, rubbish, debris, landfill, stockpiling, storage, etc?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>
Security fencing, protected areas, placards, warning signs?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>
Dead animals possibly due to contamination?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/>	
If answering "YES" or UNKNOWN" to any above items, describe the conditions:		
Use photographs and maps to mark and identify conditions. Attach more information as needed.		
Is further evaluation warranted? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNCERTAIN <input type="checkbox"/>		

Ecological Site Information

General Site Description (residential, commercial, forested, grassland, etc.):

Light industrial area - line will be installed in existing easement in grassland - farm/ranch land

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

None

Special or unique vegetation features?

None

Special wildlife habitat?

None

Observed wildlife:

None

Observed nests or potential nesting sites?

No

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

None

Other compliance factors identified on, or adjacent to, project area:

- Historic age buildings
- Refineries
- Airports, runways
- Educational facilities
- Commercial facilities
- Healthcare facilities
- Social Services facilities

Preparer of this form must complete the following required information.

This inspection was completed by:

Name: Latrice Hertzler

Title: Environmental Reviewer

Phone Number: 512-443-4100

Email: lhertzler@future-link.biz

Agency:

Address:

PO Box 90696, Austin, TX 78709

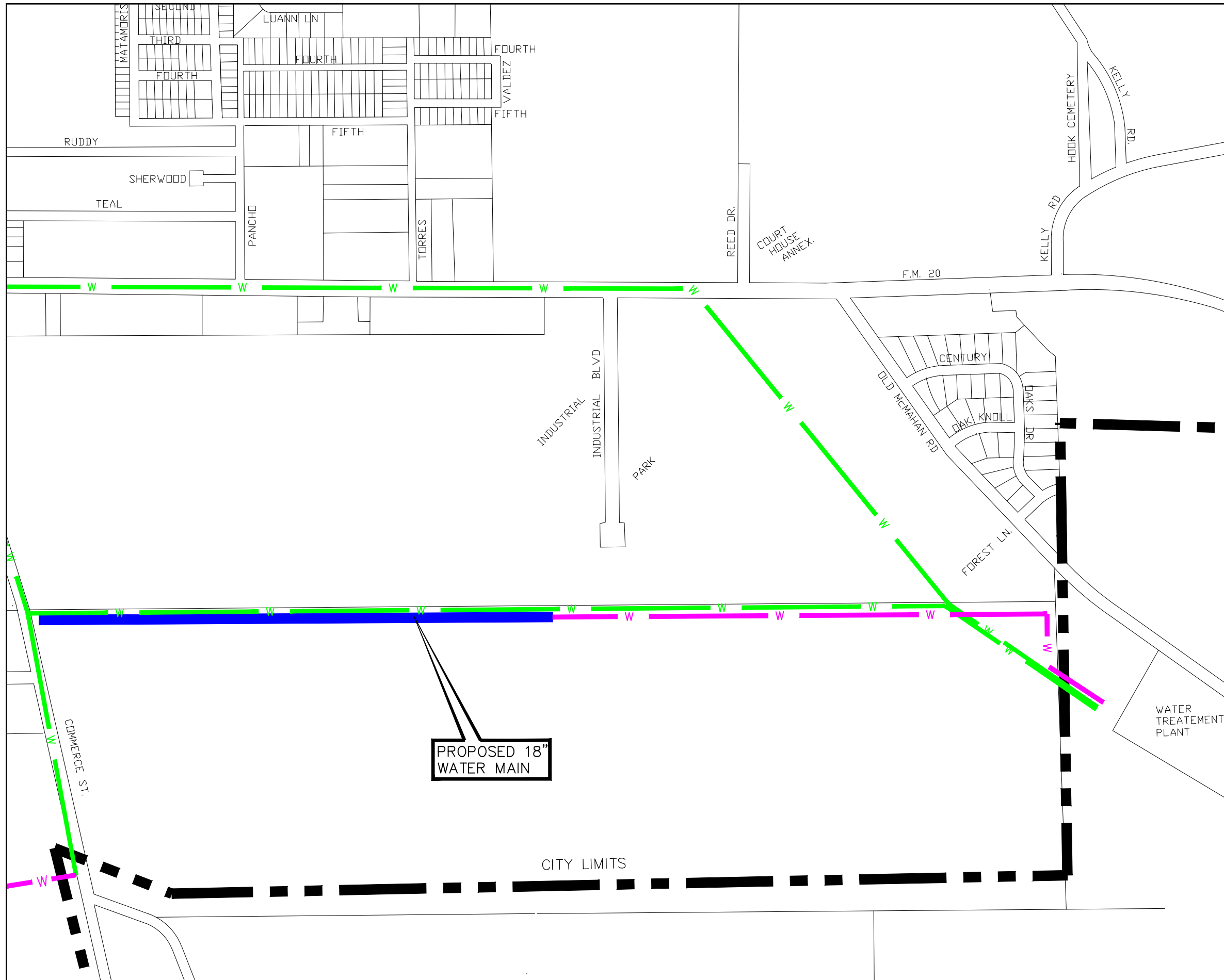
Preparer represents that to the best of his/her knowledge the above statements and facts are true and correct and to the best of his/her actual knowledge no material facts have been suppressed, omitted or misstated.

Signature:



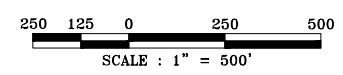
Date:

09/21/19



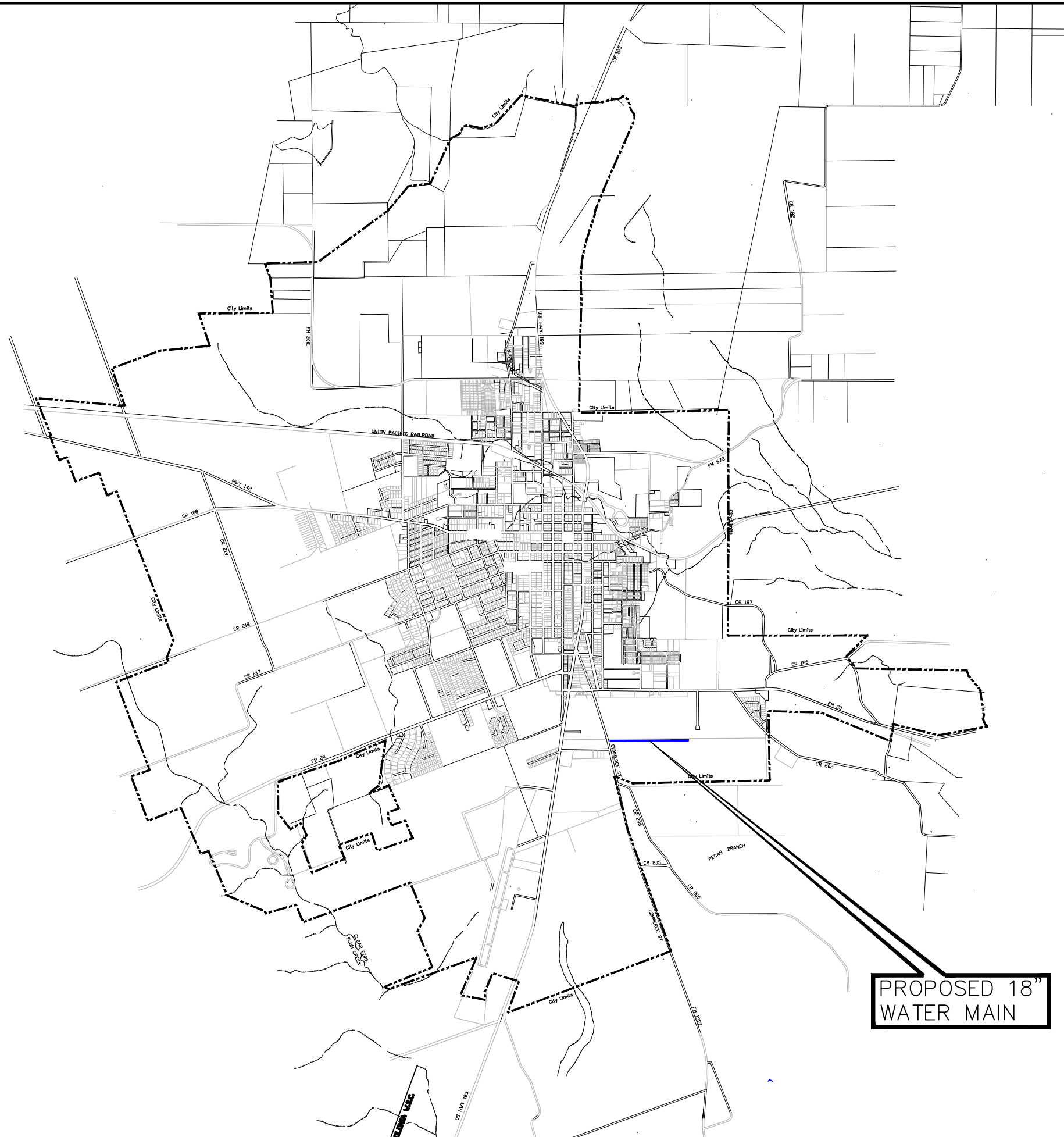
LEGEND

- █ PROPOSED 18" WATER MAIN
- █ W EXISTING 18" WATER MAIN
- █ W EXISTING 12" WATER MAIN



2019 CDBG WATER IMPROVEMENTS
 REVISED PROJECT MAP
 LOCKHART, TEXAS
 FEBRUARY 2019

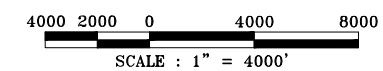




LEGEND

 PROPOSED 18" WATER MAIN

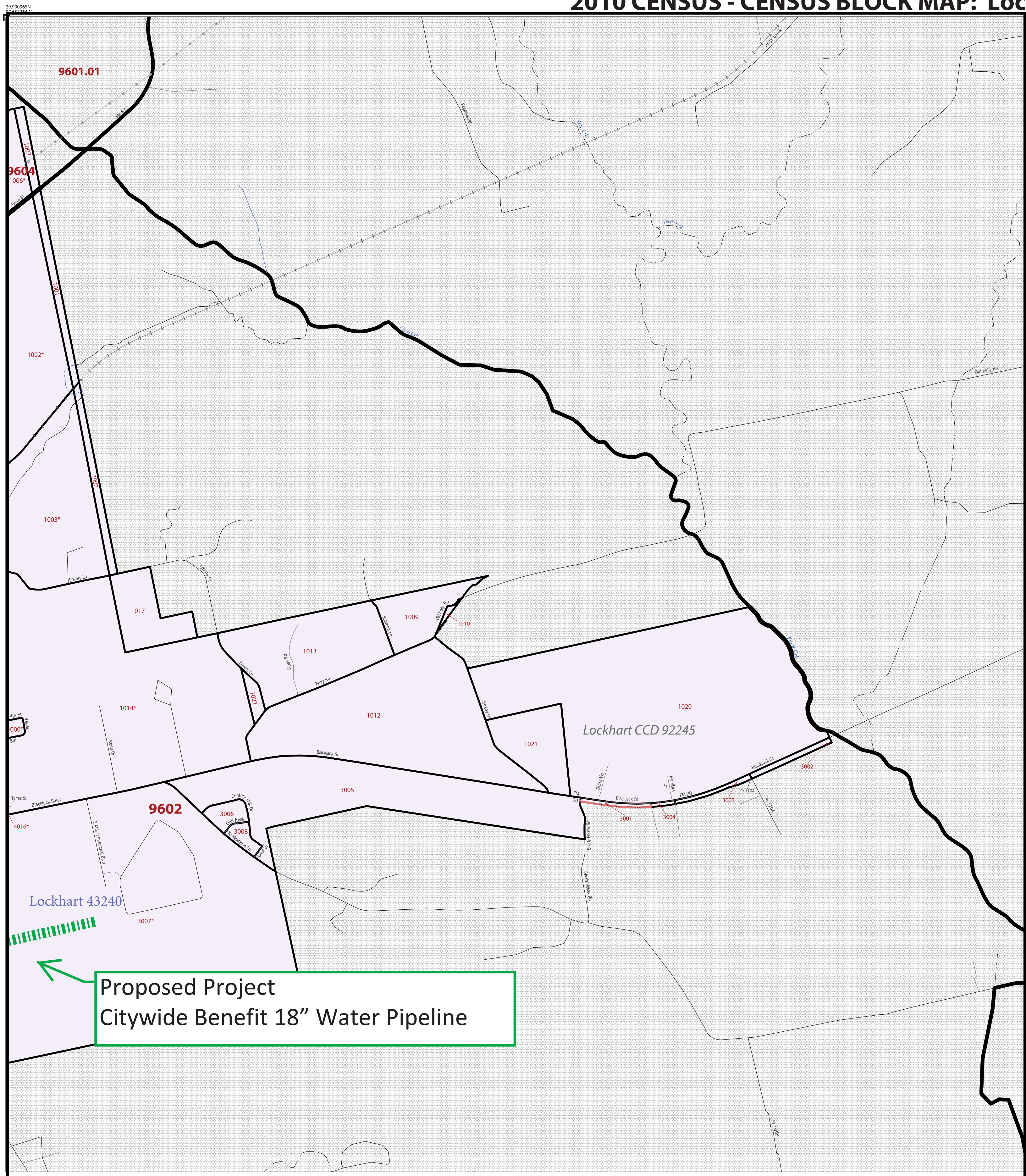
N



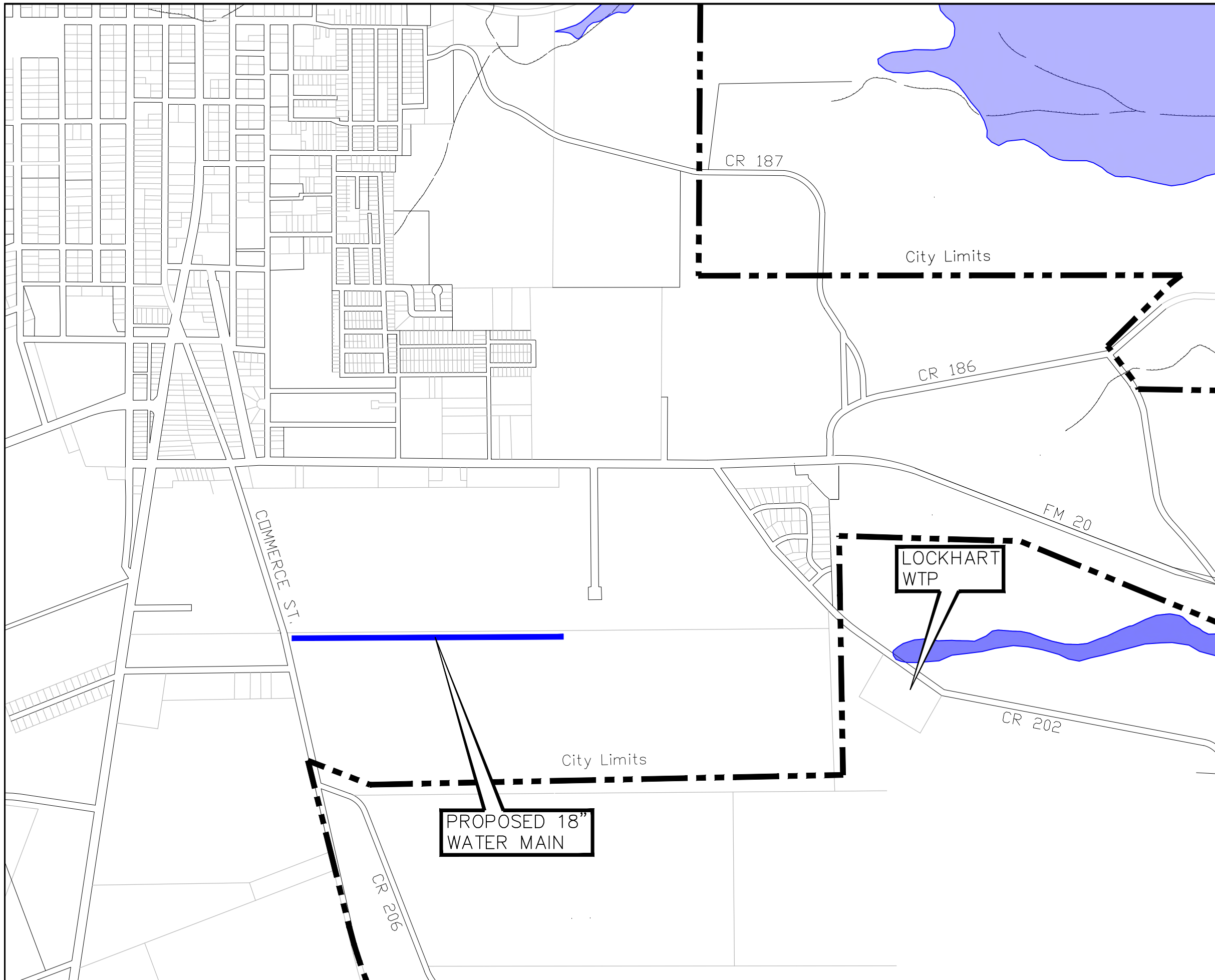
2019 CDBG WATER IMPROVEMENTS
 CITY LIMIT MAP
 LOCKHART, TEXAS
 FEBRUARY 2019





2010 CENSUS - CENSUS BLOCK MAP: Loc



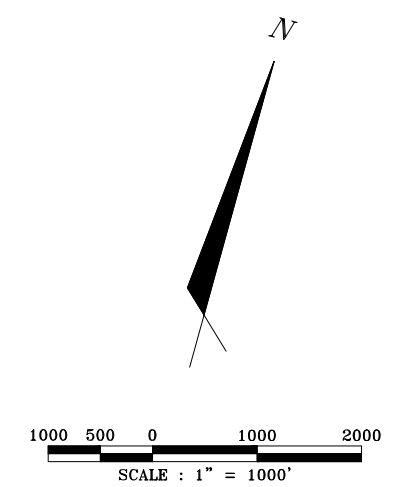
Proposed Project
Citywide Benefit 18" Water Pipeline



LEGEND

-  PROPOSED 18" WATER MAIN
-  100 YEAR FLOODPLAIN

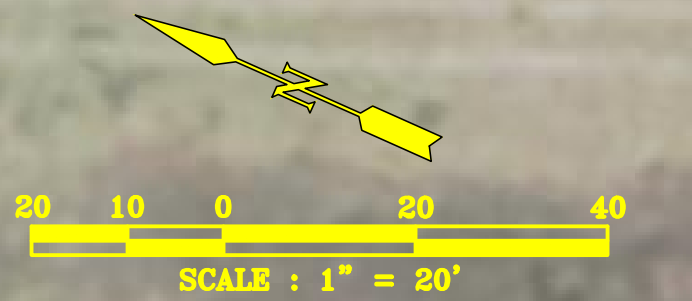
FEMA FLOOD PLAIN MAP
PANEL FM48055C0235E



2019 CDBG WATER IMPROVEMENTS
FEMA MAP
LOCKHART, TEXAS
FEBRUARY 2019

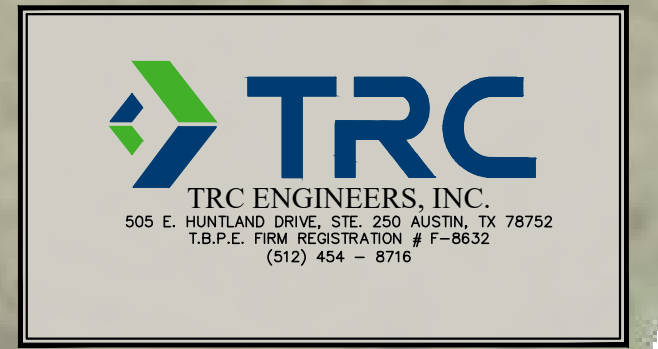
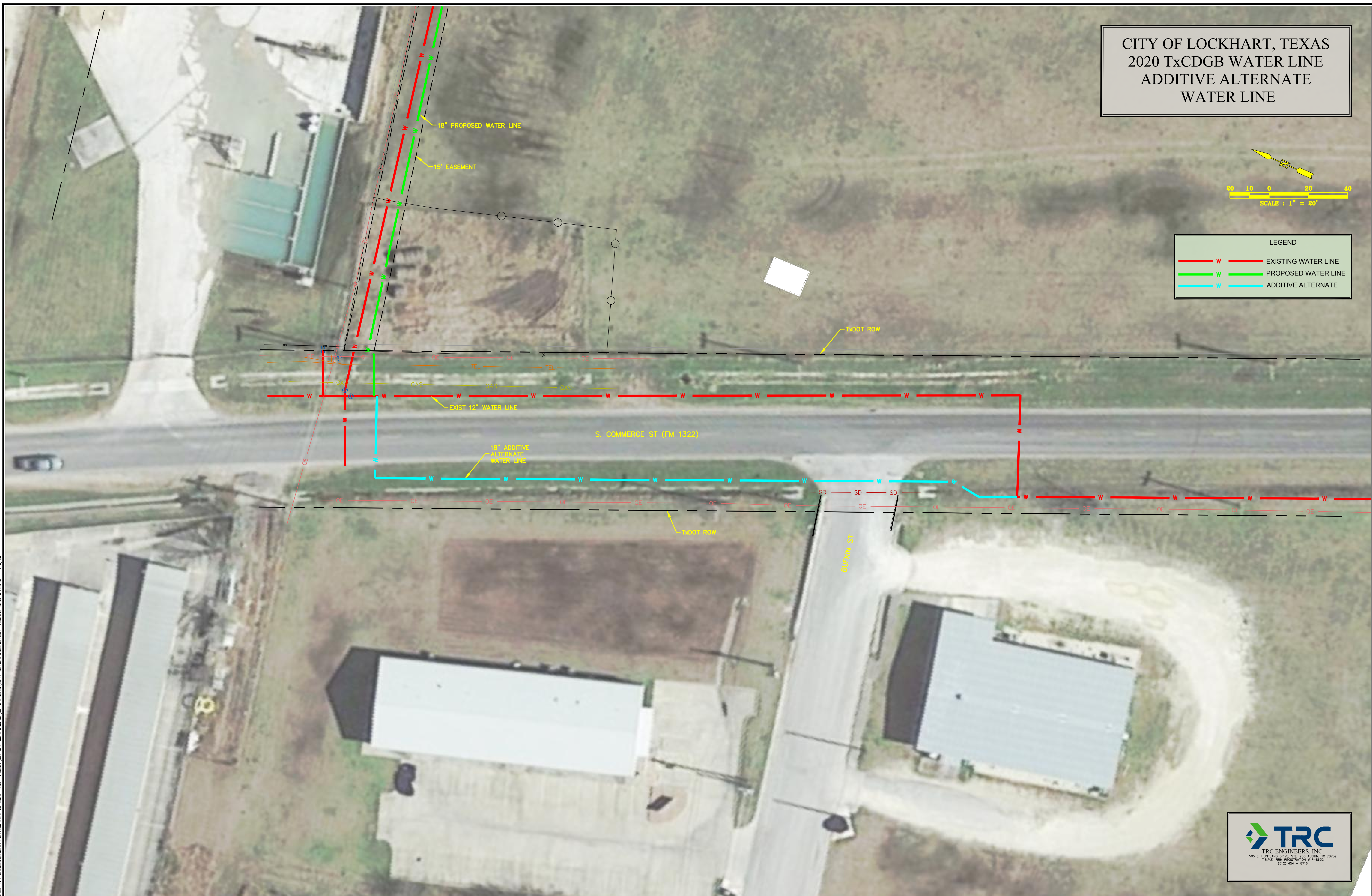


CITY OF LOCKHART, TEXAS
 2020 TxCDBG WATER LINE
 ADDITIVE ALTERNATE
 WATER LINE



LEGEND

	EXISTING WATER LINE
	PROPOSED WATER LINE
	ADDITIVE ALTERNATE



F:\WORK IN PROGRESS\LOCKHART\31008_2019-20_CDBG_WATER_PROJECT\300_CAD-GIS\DRAWINGS\01_DRAWINGS\01_A WORKING DMS\EXHIBIT - ADDITIVE ALTERNATE.DWG - 4/10/20



BEING a 15' wide waterline easement situated in the City of Lockhart, Caldwell County, Texas and being a part of the James George Survey A-9 and being also a part of a tract of land designated as First Tract called 178.42 acres and conveyed to Kenneth Riddle by deed recorded in Volume 314 Page 206 of the Deed Records of Caldwell County, Texas and being more particularly described as follows:

BEGINNING at a 5" iron pipe fence corner post found used for basis of bearing (direct tie) and in the East line of FM #1322 and the NW corner of the above mentioned 178.42 acre tract and the apparent SW corner of a tract of land called 4.0302 acres and conveyed to TXI Operations, LP by deed recorded in Instrument #112247 of the said Official Records for the NW corner this easement.

THENCE with the monumented North line of the above mentioned Riddle tract for the following four (4) courses:

(1) N 78 degrees 10 minutes 18 seconds E with the apparent South line of the said 4.0302 acre tract **999.36 feet** to a 1/2" iron pin found in the apparent SE corner of the said 4.0302 acre tract and the apparent most Southerly SW corner of a 9.858 acre tract and conveyed to Christopher R. Martin et ux by deed recorded in Instrument #2015-004262 of the said Official Records for an angle point this easement.

(2) N 78 degrees 20 minutes 48 seconds E with the apparent South line of the said 9.858 acre tract **689.82 feet** to a 1/2" iron pin found in the apparent SE corner of the said 9.858 acre tract and the apparent SW corner of a tract of land called 30.473 acres and conveyed to Economy Realty, Ltd. by deed recorded in Volume 419 Page 550 of the said Official Records for an angle point this easement.

(3) N 78 degrees 10 minutes 34 seconds E with the apparent South line of the said 30.473 acre tract **937.14 feet** to a cotton spindle found in the apparent SE corner of the said 30.473 acre tract and the apparent SW corner of a tract of land called 9.067 acres and conveyed to DGG Group, LLC by deed recorded in Instrument #115731 of the said Official Records for an angle point this easement.

(4) N 78 degrees 18 minutes 19 seconds E partially along the apparent South line of the said 9.067 acre tract and partially along the apparent South line of a tract of land called 24.314 acres and conveyed to Texas Public Finance Authority by deed recorded in Volume 189 Page 902 of the said Official Records **1559.68 feet** to a 1/2" iron pin found used for basis of bearing in the apparent SE corner of the said 24.314 acre tract and the apparent SW corner of a tract of land called 9.265 acres and conveyed to Olga L. Carmona by deed recorded in Instrument #2018-002917 of the said Official Records for the NE corner this tract.

THENCE S 11 degrees 41 minutes 41 seconds E entering the said Riddle tract **15.00 feet** to a calculated point for the SE corner this easement.

THENCE 15' from and parallel to the monumented North line of the said Riddle tract for the following four (4) courses:

(1) S 78 degrees 18 minutes 19 seconds W 1559.66 feet to a point for an angle point this easement.



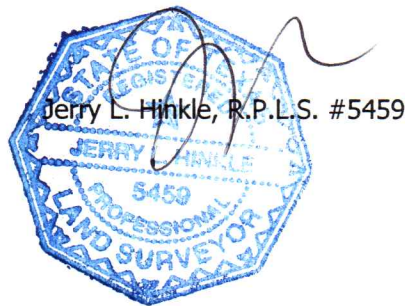
(2) **S 78 degrees 10 minutes 34 seconds W 937.15 feet** to a point for an angle point this tract.

(3) **S 78 degrees 20 minutes 48 seconds W 689.82 feet** to a point for an angle point this tract.

(4) **S 78 degrees 10 minutes 18 seconds W 996.23 feet** to a point in the East line of F.M. #1322 and the West line of the said Riddle tract for the SW corner this easement.

THENCE N 23 degrees 30 minutes 41 seconds W with the East line of F.M. #1322 and the West line of the said Riddle tract **15.32 feet** to the place of beginning of this easement.

I hereby certify that the foregoing field notes are a true and correct description of a survey made under my direct supervision on March 2, 2020. **THESE FIELD NOTES ARE CERTIFIED AND ITS CONTENTS GUARANTEED FOR USE WITH THIS ONE TRANSACTION ONLY DATED THIS DATE.** Only those prints containing the raised Surveyor's seal and an original "LIVE" signature should be considered official and relied upon by the user.



City of Lockhart Caldwell County, Texas

James George Survey A-9

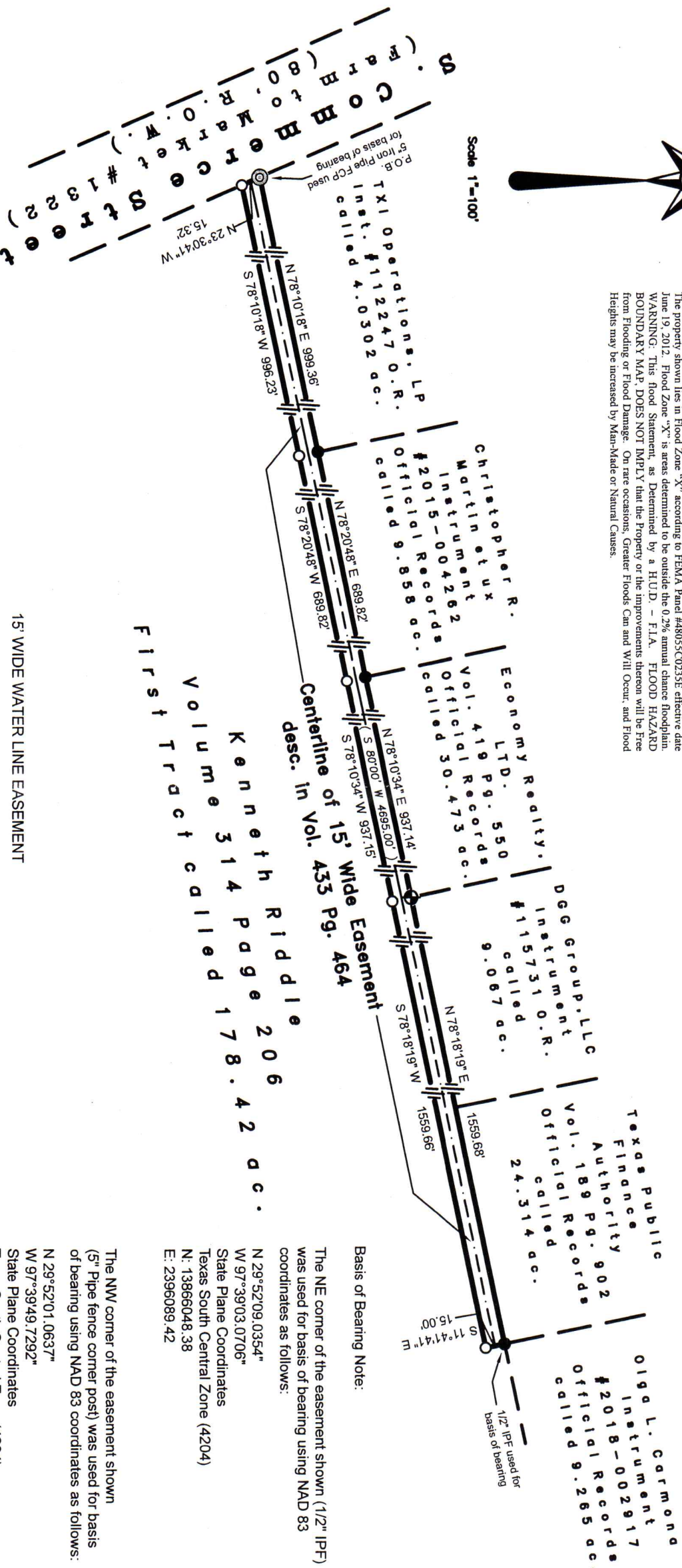
General Notes

1) THIS SURVEY IS FOR USE WITH THIS ONE TRANSACTION ONLY.

2) FLOOD ZONES SHOWN ARE APPROXIMATE AND CREATE NO LIABILITY ON THE PART OF THE SURVEYOR AND ARE BASED ON FROM A FLOOD INSURANCE RATE MAP. The property shown lies in Flood Zone "X" according to FEMA Panel #48055C0235E effective date June 19, 2012. Flood Zone "X" is areas determined to be outside the 0.2% annual chance floodplain. WARNING: This Flood Statement, as Determined by a H.L.U.D. - F.I.A. FLOOD HAZARD BOUNDARY MAP DOES NOT IMPLY that the Property or the Improvements thereon will be Free from Flooding or Flood Damage. On rare occasions, Greater Floods Can and Will Occur, and Flood Heights may be increased by Man-Made or Natural Causes.



Scale 1"=100'



Basis of Bearing Note:
The NE corner of the easement shown (1/2" IPF) was used for basis of bearing using NAD 83 coordinates as follows:

N 29°52'09.0354"
W 97°39'03.0706"
State Plane Coordinates
Texas South Central Zone (4204)
N: 13866048.38
E: 2396089.42

The NW corner of the easement shown (5" Pipe fence corner post) was used for basis of bearing using NAD 83 coordinates as follows:

N 29°52'01.0637"
W 97°39'49.7292"
State Plane Coordinates
Texas South Central Zone (4204)
N: 13865196.03
E: 2391991.11

15' WIDE WATER LINE EASEMENT

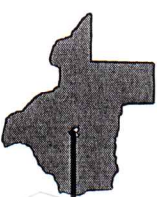
Showing a 15' WIDE WATER LINE EASEMENT out of the James George Survey A-9 in the City of Lockhart, Caldwell County, Texas. I do hereby certify that (1) the foregoing plat is a true and correct representation of a survey made on the ground under my direct supervision on March 18, 2020, (2) No Abstract of Title, title commitment, nor research or record easements were supplied to the Surveyor. There may exist easements of record which could effect this parcel. THIS SURVEY IS CERTIFIED AND ITS CONTENTS GUARANTEED FOR USE WITH THIS ONE TRANSACTION ONLY DATED THIS DATE. THE SURVEYOR SHALL INCUR NO LIABILITY FOR ANY USE OF THIS SURVEY BEYOND THIS ONE TRANSACTION OR FOR ANY PERSON(S) NOT ASSOCIATED WITH THIS TRANSACTION. Only those prints containing the raised Surveyor's seal and his original "LIVE" signature should be considered official and relied upon by the user.

- LEGEND**
- EASEMENT POINT
 - 1/2" IRON PIN FOUND
 - ⊙ 5" IRON PIPE FENCE CORNER
 - ⊕ COTTON SPINDLE FOUND
 - // SCALE BREAK
 - (.....) ORIGINAL DEEDED CALLS
 - X- FENCES MEANDER
- UNLESS OTHERWISE NOTED



Jerry L. Hinkle, R.P.L.S. #5459

Field Book: d.c.	Drawn By: J.L.H. L.H.
Job No. 20200781	Drawing: 20200781.dwg
Date: March 2020	Word Disk: Begn 03012020
Surveyed By: J.L.H. J.O.B.	AutoCAD Disk: Begn 03012020



HINKLE
SURVEYORS

P.O. Box 1027 1109 S. Main Street Lockhart, TX 78644
Ph: (512) 398-2000 Fax: (512) 398-7683 Email: contact@hinklesurveyors.com Firm Registration No. 100886-00

TO SERVE: LOCKHART SUB SOUTH FREDER
MAP REF. # 6909 001
W.O. # 8-116830

EASEMENT

THE STATE OF TEXAS §
COUNTY OF Caldwell §

970433

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned Kenneth Riddle
for a good and valuable consideration, the receipt of which is hereby acknowledged, does hereby grant unto the BLUEBONNET ELECTRIC COOPERATIVE, INC., its subsidiaries, corporations, whose post office address is GIDDINGS, TEXAS, and their successors and assigns, the right to enter upon the lands of the undersigned, situated in the County of Caldwell, State of Texas, and more particularly described as follows:

A tract of land consisting of approximately _____ acres in the _____
_____ Survey, and more particularly described by the following:
Bounded on North by Mary McConnell Property
Bounded on West by P.M. 1322
or described in a deed recorded in Volume _____, Page _____, Deed Records
of Caldwell County, Texas.

And to place, construct, re-construct, re-phase, operate, maintain, relocate and replace in or upon above described lands an electric distribution line or system, telecommunications systems and equipment or other services and systems, and its related appurtenances and equipment, and to cut, trim and/or remove any trees, brush and shrubbery to the extent necessary to keep the easement clear along and within the electric distribution line or system's right-of-way;

Together with the right of ingress and egress over my (our) adjacent lands to or from said right-of-way for the purpose of constructing, re-constructing, re-phasing, operating, maintaining, relocating, replacing and removing said lines and appurtenances.

In granting this easement it is understood that, at pole locations, except at angles, only single poles with related appurtenances and structures will be used, and that the location of the poles will be such as to form the least possible interference to farm and ranch operations, so long as it does not materially increase the cost of construction or interfere with the proper and safe operation of said lines and appurtenances. It is further understood that this easement is intended for said lines and appurtenances only and that this easement excludes and prohibits the construction and/or placement of any structures, devices, or obstacles on the said right-of-way that may in grantee's opinion constitute a hazard to the safe and reliable operation of said lines and appurtenances.

For the purposes of this instrument, easement and right-of-way is defined to be 15 feet each side of the centerline of said lines and appurtenances. This easement is restricted to the attached sketch marked
Exhibit "A" showing the location of the proposed facilities.

The undersigned warrants that he is the legal owner of the above described lands and that the said lands are free and clear of encumbrances and liens of whatsoever character except those held by the following persons: BLUEBONNET ELECTRIC COOP

FEB 06 1997

RECEIVED
ENG. DEPT.

It is further understood that, whenever necessary, words used in this instrument in the singular shall be construed to read in the plural and that words used in the masculine gender shall be construed to read in the feminine.

This written easement represents the only agreement pertaining to said easement. IN WITNESS WHEREOF, the undersigned has set his hand and seal this day of FEB 19 97.

Sealed and delivered
in the presence of:

George Hatfield
George Hatfield

Kenneth Riddle L.S.
Kenneth Riddle
KENNETH RIDDLE L.S.

v/s. 159 ~~ref~~ 340

THE STATE OF TEXAS,

County of _____

This instrument was acknowledged before me on the _____ day of _____ A.D.

By _____

of _____ Corporation.

Notary Public _____ County, Texas

THE STATE OF TEXAS,

County of CADWELL

BEFORE ME, NATALIE A. KINSEY, a Notary Public in and for CADWELL
Natalie A. Kinsey County, Texas, on this day personally appeared GEORGE HATFIELD
George Hatfield known to me
 to be the person whose name is subscribed to the foregoing instrument of writing, and, after being duly sworn by me
 stated on oath that he (she) saw KENNETH RIDDE grantor, subscribe the same and that he had
Kenneth Riddle signed the same as a witness at the request of the grantor.

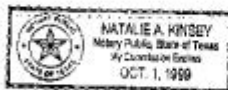
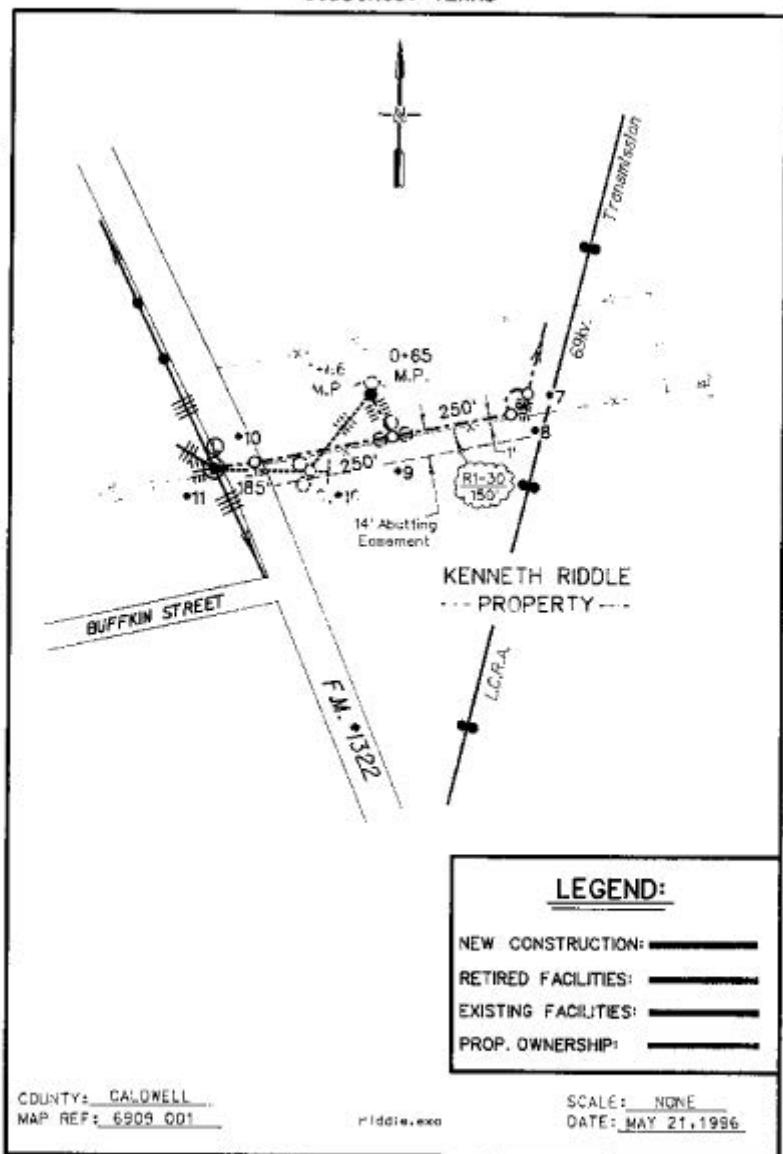
GIVEN UNDER MY HAND AND SEAL OF OFFICE this 11th day of FEB, 1997._____
Notary Public CADWELL Natalie A. Kinsey County, Texas

EXHIBIT "A"
BLUEBONNET ELECTRIC COOPERATIVE, INC.
GIDDINGS, TEXAS

Vol. 159 of 341



FOL 159 PAGE 342

FILED this 12th day of Feb 19 97
11:40 A. M.
 NINA S. SELLS
 COUNTY CLERK, CALDWELL COUNTY, TEXAS
 By Shary Rouse Deputy

Any provision herein which restricts the sale, rental or use of the described property because of color or race is hereby and unconditionally waived. The County Clerk shall
 County Clerk: This document was FILED in the Public Records on the 12th day of Feb 1997 at 11:40 AM and was RECORDED in book 159 P. 339 of the Public Records of Caldwell County Texas on

FEB 19 1997



Nina S. Sells
 COUNTY CLERK
 CALDWELL COUNTY, TEXAS

RETURN TO:
 BLUEBONNET ELECTRIC COOP, INC.
 ENGINEERING DEPARTMENT
 P. O. BOX 240
 SCOTTSBURG, TEXAS 78942

W.E. Chesser
City of Lockhart
P.O. Box 239
Lockhart, Texas 78644

Sept. 28, 1981

Dear Mayor Chesser:

This letter is to advise you and the Lockhart City Council that I hereby donate to the City of Lockhart, a 15 foot in width easement for the purpose of installing a water trunk main from the Water Plant to South Commerce Street. I am the owner of the property involved.

I also wish to commend the city of their efforts in providing this improvement to serve the citizens of this community.

This letter is also to advise you that I hereby wave any and all Public Hearings, appraisals and remunerations to me, my heirs, estate and others including any rights due under the Uniform Relocation Assistance and Real Property Acquisition Policies Act.

Thanks for your efforts in this improvement.--

Yours truly,

Kenneth Rudalle

THE STATE OF TEXAS)
COUNTY OF CALDWELL)

4826

KNOW ALL MEN BY THESE PRESENTS:

That, Kenneth Riddle, for and in consideration of the sum of ONE AND NO/100 (\$1.00) DOLLAR to it cash in hand paid by CITY OF LOCKHART, TEXAS, the receipt of which is acknowledged, and the further consideration, of the benefits to be derived by it on account of the construction reconstruction and maintenance by the City of Lockhart, Texas of public utilities in and through its certain premises hereinafter described;

Do hereby GIVE and GRANT to the City of Lockhart, Texas, a municipal corporation of Caldwell County, Texas, the right to construct, reconstruct perpetually maintain public utilities, together with all necessary appurtenances thereto in, upon and across the following described tract of land situated in Caldwell County, Texas, to-wit:

FIELD NOTES

DESCRIBING THE CENTERLINE OF A FIFTEEN (15) FOOT WIDE EASEMENT UPON AND ACROSS A 178.42 ACRE TRACT OF LAND OUT OF THE JAMES GEORGE SURVEY #9 AS CONVEYED TO KENNETH RIDDLE BY DEED RECORDED IN VOLUME 314, PAGE 206 OF THE CALDWELL COUNTY DEED RECORDS. SAID EASEMENT CENTERLINE BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING at a point on the centerline of the herein described easement in the East line of the foresaid Kenneth Riddle 178.42 acre tract. Said beginning point bears S 10° 00' E, 494.50: feet from the Northeast corner of the foresaid 178.42 acre tract;

THENCE, along said centerline N 52° 13' W, 665.00 feet to a point 7.5 feet South of the North line of the foresaid 178.42 acre tract;

THENCE, S 80° 00' W, 4,695.00 feet parallel to and 7.5 feet South of the North line of the foresaid 178.42 acre tract, to the point of termination of the herein described easement centerline in the east right-of-way line of FM Highway 1322.

TO HAVE AND TO HOLD the same perpetually to the City of Lockhart, Texas, its successors and assigns, together with the right and privilege at any and all times to enter said premises, or any part thereof, for the purpose of constructing, reconstructing and maintaining said public utilities, and for making connections therewith; all upon the conditions that the City of Lockhart, Texas, will at all times, after doing any work in

connection with the construction, reconstruction or repair of said public utilities, or any appurtenances thereof, restore said premises to the condition in which same were found before such work was undertaken, and that in the use of said rights and privileges herein granted the City of Lockhart, Texas, will not create a nuisance or do any act that will be detrimental to said premises.

IN TESTIMONY WHEREOF, we have caused these presents to be executed this the 14 day of October, A.D., 1981.

Kenneth Riddle

THE STATE OF TEXAS)
COUNTY OF CALDWELL)

BEFORE ME, the undersigned authority, on this day personally appeared Kenneth Riddle, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, on this the 14 day of October, A.D., 1981.



Gwendlyn L. Barrett
NOTARY PUBLIC, CALDWELL COUNTY, TEXAS
GWENDLYN L. BARRETT
EXPIRES: 3-23-85

4

Exempt 11:00
4936
433/464

Personal Address

To

The City of Lockhart

FILED FOR RECORD
AT 2:30 O'CLOCK P.M.
OCT 20 1981

KATHLEEN ROYAL
Clerk County Court
By: *[Signature]*
Deputy

City of Lockhart
P.O. Box 239
Lockhart
509
Ark



THE STATE OF TEXAS
COUNTY OF CALDWELL

I, KATHLEEN ROYAL, Clerk of the County Court of Caldwell County, Texas, do hereby certify that the foregoing instrument of writing dated the 14th day of October A.D. 1981, with its Certificate of authentication was filed for record in office on the 6th day October A.D. 1981, at 2:30 o'clock P.M., and duly recorded this 20th day of October A.D. 1981, at 11:00 o'clock A.M., in the Deed Records of said County, in Volume 433 on pages 464.

WITNESS my hand and the seal of office, at office in the City of Lockhart, on the day and year last above written.

KATHLEEN ROYAL
Clerk, County Court, Caldwell County, Texas

By *[Signature]* Deputy

AFTER RECORDING, RETURN TO:

112247

Mr. Terry R. Landry
Cherry Petersen Landry Albert LLP
8350 N. Central Expressway, Suite 808
Dallas, Texas 75206

Return to (closer 2/6/04)
OLD REPUBLIC
TITLE COMPANY
15110 North Dallas Parkway, Ste. 102
Dallas, Texas 75248

Lockhart

SPECIAL WARRANTY DEED

STATE OF TEXAS §
 § KNOW ALL MEN BY THESE PRESENTS THAT:
COUNTY OF CALDWELL §

TRANSIT MIX CONCRETE & MATERIALS COMPANY, a Delaware corporation (hereinafter called "Grantor", for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable consideration in hand paid by **TXI OPERATIONS, LP**, a Delaware limited partnership (hereinafter called "Grantee"), whose mailing address is 1341 W. Mockingbird Lane, Suite 700W, Dallas, Texas 75247, the receipt and sufficiency of which are hereby acknowledged, has GRANTED, SOLD, AND CONVEYED and by these presents does GRANT, SELL AND CONVEY unto Grantee that certain tract of real property and the improvements located thereon (hereinafter called the "Property") situated in the County of Caldwell, State of Texas, and described in Exhibit "A" attached hereto and made a part hereof by reference, together with all and singular the rights, privileges, and appurtenances of Grantor pertaining to the Property. This conveyance is made and accepted subject to the following: (a) general real estate taxes on the Property for the current year; (b) zoning laws, regulations and ordinances of municipal and other governmental authorities, if any, affecting the Property; and (c) all matters described on Exhibit "B" attached hereto, to the extent the same affect the Property (all of the foregoing hereinafter called the "Permitted Encumbrances").

TO HAVE AND TO HOLD the Property, together with all and singular the rights and appurtenances thereto in anywise belonging unto Grantee, its successors and assigns forever, and subject to the Permitted Encumbrances, Grantor does hereby bind itself, its successors and assigns, to WARRANTY AND FOREVER DEFEND all and singular the Property unto Grantee, its successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof, by, through or under Grantor, but not otherwise.

This Deed is executed and delivered pursuant to the terms and conditions of that certain Ready Mix Asset Purchase and Sale Agreement, of even date herewith, between Grantor and Grantee (the "Purchase Agreement").

EXCEPT AS SPECIFICALLY SET FORTH IN SECTION 6.1 AND ARTICLE VIII OF THE PURCHASE AGREEMENT, IT IS UNDERSTOOD AND

AGREED THAT WITH RESPECT TO THE PHYSICAL AND ENVIRONMENTAL CONDITION OF THE PROPERTY, THE PROPERTY IS BEING CONVEYED HEREUNDER AND GRANTEE AGREES TO ACCEPT THE PROPERTY "AS IS", AND "WITH ALL FAULTS", SUBJECT TO ANY PHYSICAL OR ENVIRONMENTAL CONDITION WHICH MAY EXIST, AND WITHOUT THE EXISTENCE OF AND RELIANCE ON ANY REPRESENTATION OR WARRANTY BY GRANTOR, EXCEPT AS SET FORTH HEREIN OR IN THE SECTION 6.1 AND ARTICLE VIII OF THE PURCHASE AGREEMENT. GRANTEE HEREBY EXPRESSLY ACKNOWLEDGES AND AGREES THAT (A) GRANTEE HAS THOROUGHLY INSPECTED AND EXAMINED THE PROPERTY TO THE EXTENT DEEMED NECESSARY BY GRANTEE IN ORDER TO ENABLE GRANTEE TO EVALUATE THE PURCHASE OF THE PROPERTY AND (B) GRANTEE IS RELYING SOLELY UPON SUCH INSPECTIONS, EXAMINATION, AND EVALUATION OF THE PROPERTY BY GRANTEE IN PURCHASING THE PROPERTY ON AN AS IS, WHERE IS AND WITH ALL FAULTS BASIS, WITHOUT REPRESENTATIONS (OTHER THAN THE LIMITED REPRESENTATIONS SET FORTH HEREIN OR IN SECTION 6.1 AND ARTICLE VIII OF THE PURCHASE AGREEMENT), WARRANTIES OR COVENANTS, EXPRESS OR IMPLIED, OF ANY KIND OR NATURE. GRANTEE HEREBY ASSUMES THE RISK THAT ENVIRONMENTAL CONDITIONS MAY EXIST ON THE PROPERTY AND HEREBY RELEASES GRANTOR OF AND FROM ANY AND ALL CLAIMS, ACTIONS, DEMANDS, RIGHTS, DAMAGES, COSTS OR EXPENSES WHICH MIGHT ARISE OUT OF OR IN CONNECTION WITH THE ENVIRONMENTAL CONDITION OF THE PROPERTY. AS USED HEREIN, THE TERM "ENVIRONMENTAL CONDITION" SHALL MEAN ANY CONDITION WITH RESPECT TO THE PROPERTY WHICH COULD OR DOES RESULT IN ANY DAMAGE, LOSS, COST, EXPENSE OR LIABILITY TO OR AGAINST THE OWNER OF THE PROPERTY BY ANY THIRD PARTY (INCLUDING WITHOUT LIMITATION ANY GOVERNMENTAL ENTITY) INCLUDING, WITHOUT LIMITATION, ANY CONDITION RESULTING FROM OPERATIONS CONDUCTED ON THE PROPERTY OR ON PROPERTY ADJACENT THERETO.


There is further excepted from this Deed and the warranty contained herein, and Grantor hereby reserves unto itself, its successors and assigns, in addition to all presently outstanding mineral interests, all the oil, gas, and minerals, both hydrocarbon and non-hydrocarbon, of every kind and character, in, on and under the Property, excepting, however, all sand, gravel, loam, soil and limestone which are to be conveyed herewith.

All ad valorem taxes and assessments for the Property for the current calendar year have been prorated by the parties hereto as of the effective date of this Deed and by acceptance hereof Grantee hereby expressly assumes liability for the payment thereof and for subsequent years. If such proration was based upon such taxes and assessments for the prior calendar year then upon demand the parties hereto shall promptly and equitably adjust all such taxes and assessments.

EXECUTED, on the date of the acknowledgment hereinbelow, to be effective however as of April 18, 2011.

GRANTOR:

**TRANSIT MIX CONCRETE &
MATERIALS COMPANY**
a Delaware corporation

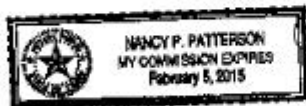
By: 
Name: John Lee
Title: Vice President

THE STATE OF TEXAS

COUNTY OF DALLAS

000 000 000

This instrument was acknowledged before me on April 31, 2011, by John Lee, Vice President of **Transit Mix Concrete & Materials Company**, a Delaware corporation, on behalf of said corporation.




Notary Public in and for the State of Texas

EXHIBIT "A"

PROPERTY DESCRIPTION

Fieldnotes for 4.0302 acres of land out of the James George League, Abstract No. 9, in Caldwell County, Texas, being out of and a part of that certain 13.682 acre tract of land conveyed to J. H. Goode, Jr. and Wayne A. Goode, as described in deed recorded in Volume 347, Page 189 of the Deed Records of Caldwell County, and being that same (called) 4.026 acre tract of land conveyed to Transit Mix Concrete & Materials Company, as described in deed recorded in Volume 217, Page 744 of the Official Public Records of Caldwell County, said 4.0302 acres of land being more particularly described by metes and bounds as follows:

BEGINNING at a ½ inch steel rod in the West line of the said 13.682 acre tract and East line of F. M. Highway No. 1322, based on an 80 foot right-of-way, for the Northwest corner of the said 4.026 acre tract and the herein described tract, said point being the most Westerly Southwest corner of that certain 9.858 acre tract of land conveyed to Brice N. Knight, et al, as described in deed recorded in Volume 345, Page 688 of the said Deed Records, said point also bears South 26°57'36" East, 1435.39 feet from a 4" x 4" concrete "TxDOT" monument (broken) found at the South end of a cut-back line for State Highway No. 20;

Thence, North 79°20'53" East, 1045.94 feet with a Southerly line of the said 9.858 acre tract to a ½ inch steel rod found marking the Northeast corner of the herein described tract, said point also being an interior ell corner of the said 9.858 acre tract, from which point, an old railroad tie fence corner post bears North 79°27' East, 15.9 feet;

Thence, South 10°37'31" East, 173.14 feet with a Westerly line of the said 9.858 acre tract to a ½ inch steel rod found in the South line of the said 13.682 acre tract marking the Southeast corner of the herein described tract, said point being the most Southerly Southwest corner of the said 9.858 acre tract said point also being in the North line of that certain 178.42 acre tract of land conveyed to Kenneth Riddle, as described in deed recorded in Volume 314, Page 206 of the said Deed Records, from which point, a found ½ inch steel rod bears North 71°22'11" East, 16.03 feet;

Thence, South 79°29'36" West, 1000.36 feet with the North line of the said 178.42 acre tract and the South line of the said 13.682 acre tract to a ¾ inch steel rod set in the East line of said F. M. Highway No. 1322 for the Southwest corner of the said 13.682 acre tract and the herein described tract, said point also being the Northwest corner of the said 178.42 acre tract;

Thence, North 22°08'36" W. 50.48 feet with the East line of said F. M. Highway No. 1322 and the West line of the said 13.6832 acre tract to a 4" x 4" concrete "TxDOT" monument found at an angle point;

Thence, North 26°57'36" West, 126.21 feet with the East line of said F. M. Highway No. 1322 and the West line of the said 13.682 acre tract to the PLACE OF BEGINNING and containing 4.0302 acres or 175,557 square feet of land, more or less.

NOTE: The Company is prohibited from insuring the area or quantity of the land described herein. Any statement in the legal description contained in Schedule "A" as to area or quantity of land is not a representation that such area or quantity is correct, but is made only for informal identification purposes and does not override Item 2 of Schedule "B" hereof.

EXHIBIT "B"

PERMITTED ENCUMBRANCES

Right of Way (blanket) dated July 30, 1925 from M.M. Taylor to Texas Public Utilities Company, recorded in Volume 105 at Page 228, Caldwell County Deed Records.

Easement (blanket) dated June 18, 1926 from M.M. Taylor to Texas Public Utilities Company, recorded in Volume 112 at Page 67, Caldwell County Deed Records.

Reservation of an undivided one-half (1/2) of all the oil, gas and other minerals, excluding execution rights as set out in deed dated July 20, 1966 from Charles E. James and wife, Ethel James to J.H. Goode, Jr. and Wayne A. Goode, recorded in Volume 347 at Page 189, Caldwell County Deed Records.

Easement dated May 9, 1996 from the Mary McConnell Family Limited Partnership to Bluebonnet Electric Cooperative, Inc., recorded in Volume 151 at Page 487, Official Public Records of Caldwell County, Texas.

Affidavit to the Public regarding on-site wastewater treatment system dated January 20, 2000 executed by Transit Mix Concrete, recorded in Volume 229 at Page 335, Official Public Records of Caldwell County, Texas.

FILED this 11th day of April 2011
1:15 P M
CAROL HOLCOMB
COUNTY CLERK, CALDWELL COUNTY, TEXAS
By Maria Rodriguez Deputy

Any person signing this document, under oath of the deponent,
properly believes the contents herein to be true and correct under the laws of the
STATE OF TEXAS
COUNTY OF CALDWELL
I hereby certify that this instrument was FILED in the Name & Sequence of the
date and time specified hereon by the said signatory RECEIVED in Official Public
Records of Caldwell County, Texas on

APR 11 2011



Carol Holcomb
COUNTY CLERK
CALDWELL COUNTY, TEXAS

TAB 6

ATTACHMENTS

ATTACHMENT 1

Airport Clear Zones and Accident Potential Zones

- TXDoT - Airport Maps
-

Airport Hazards (CEST and EA)

General policy	Legislation	Regulation
It is HUD's policy to apply standards to prevent incompatible development around civil airports and military airfields.		24 CFR Part 51 Subpart D
References		
https://www.hudexchange.info/environmental-review/airport-hazards		

1. To ensure compatible land use development, you must determine your site's proximity to civil and military airports. Is your project within 15,000 feet of a military airport or 2,500 feet of a civilian airport?

No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within the applicable distances to a military or civilian airport.*

Yes → *Continue to Question 2.*

2. Is your project located within a Runway Potential Zone/Clear Zone (RPZ/CZ) or Accident Potential Zone (APZ)?

Yes, project is in an APZ → *Continue to Question 3.*

Yes, project is an RPZ/CZ → *Project cannot proceed at this location.*

No, project is not within an APZ or RPZ/CZ

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within either zone.*

3. Is the project in conformance with DOD guidelines for APZ?

Yes, project is consistent with DOD guidelines without further action.

Explain how you determined that the project is consistent:

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

No, the project cannot be brought into conformance with DOD guidelines and has not been approved. → *Project cannot proceed at this location.*

Project is not consistent with DOD guidelines, but it has been approved by Certifying Officer or HUD Approving Official.

Explain approval process:

If mitigation measures have been or will be taken, 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 any documentation supporting this 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:

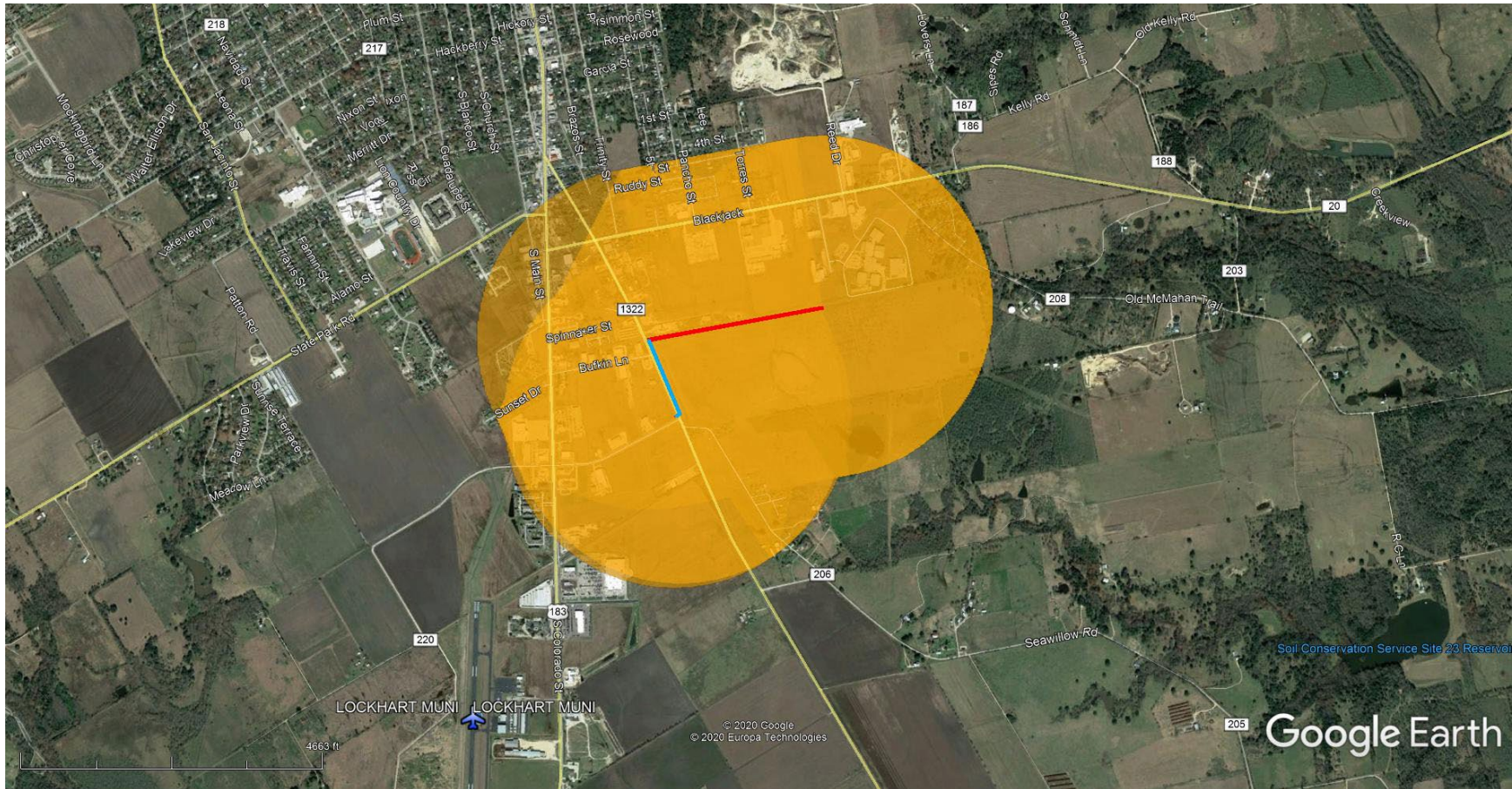
- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region








There are no military airports within 15,000 feet of the project and no civil airports located within 2500 feet of the project. The closest civil airport is approximately 4200 lf from the project site. No impact is expected.

Are formal compliance steps or mitigation required?

Yes

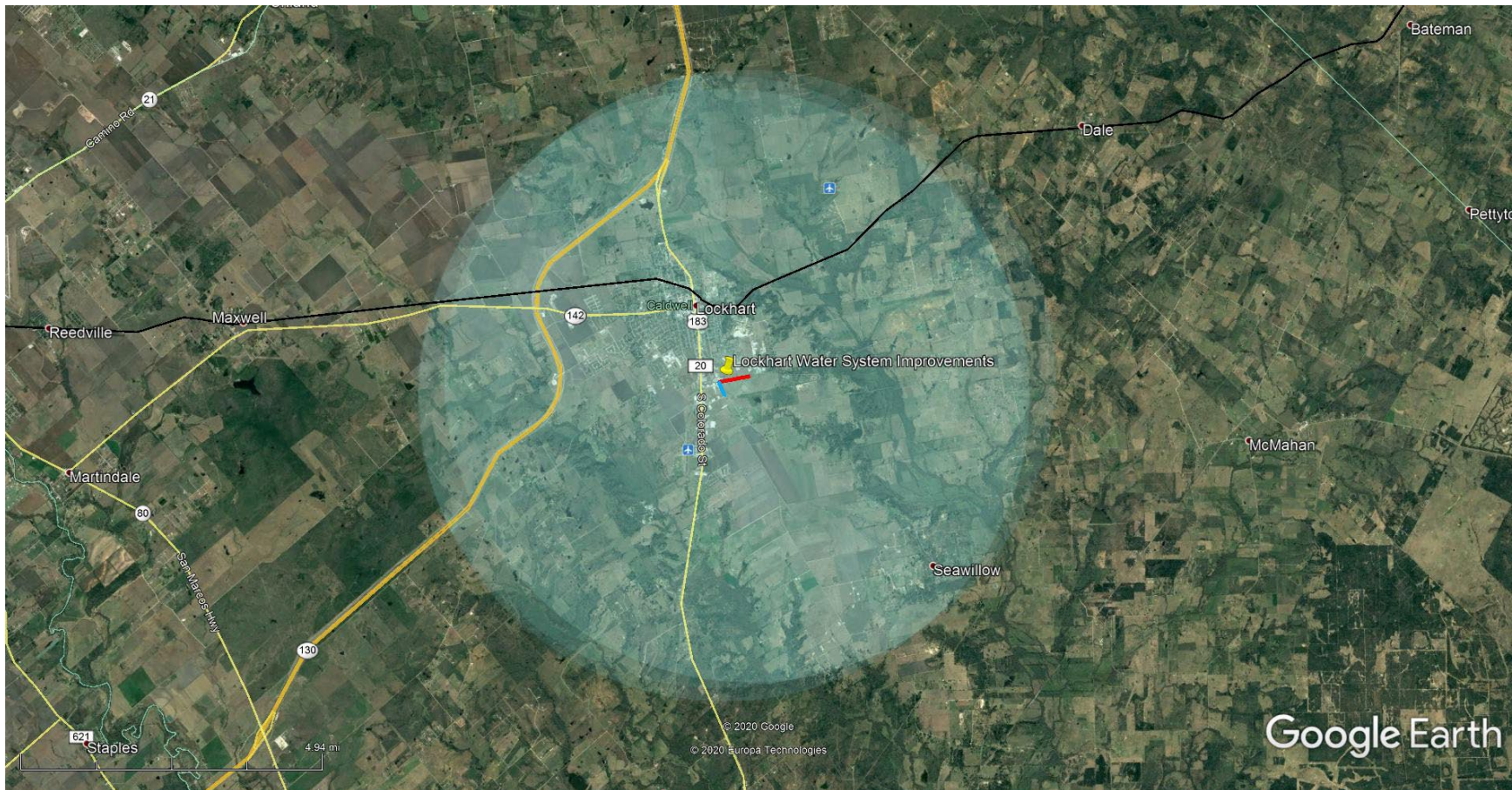
No










	1,000' ft. Buffer		Airports
	0.5 Mile Buffer		Project Area
	1.0 Mile Buffer		Alternate
	5.0 Mile Buffer		


The closest airport is the Lockhart Municipal Airport which is approximately 4200 lf from the project site.

Client Name	City of Lockhart	Future Link Technologies 
Contract #	7219231	PO Box 90696, Austin, TX 78709
Map Information	TXDoT Airport Data	512-443-4100
Date	May 20	Environmental Service Provider



	1,000' ft. Buffer		Airports
	0.5 Mile Buffer		Project Area
	1.0 Mile Buffer		Alternate
	5.0 Mile Buffer		

No military airports located within 15,000 lf of the project.

Client Name	City of Lockhart	Future Link Technologies 
Contract #	7219231	PO Box 90696, Austin, TX 78709
Map Information	TXDoT Airport Data	512-443-4100
Date	May 20	Environmental Service Provider

ATTACHMENT 2

Coastal Barrier Resources (When Needed)

- John H. Chafee Coastal Barrier Resource System Map

Coastal Barrier Resources (CEST and EA)

General requirements	Legislation	Regulation
HUD financial assistance may not be used for most activities in units of the Coastal Barrier Resources System (CBRS). See 16 USC 3504 for limitations on federal expenditures affecting the CBRS.	Coastal Barrier Resources Act (CBRA) of 1982, as amended by the Coastal Barrier Improvement Act of 1990 (16 USC 3501)	
References		
https://www.hudexchange.info/environmental-review/coastal-barrier-resources		

Projects located in the following states must complete this form.

Alabama	Georgia	Massachusetts	New Jersey	Puerto Rico	Virgin Islands
Connecticut	Louisiana	Michigan	New York	Rhode Island	Virginia
Delaware	Maine	Minnesota	North Carolina	South Carolina	Wisconsin
Florida	Maryland	Mississippi	Ohio	Texas	

1. Is the project located in a CBRS Unit?

No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within a CBRS Unit.*

Yes → *Continue to Question 2.*

Federal assistance for most activities may not be used at this location. You must either choose an alternate site or cancel the project. In very rare cases, federal monies can be spent within CBRS units for certain exempted activities (e.g., a nature trail), after consultation with the Fish and Wildlife Service (FWS) (see [16 USC 3505](#) for exceptions to limitations on expenditures).

2. Indicate your selected course of action.

After consultation with the FWS the project was given approval to continue
 → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map and documentation of a FWS approval.*

Project was not given approval
Project cannot proceed at this location.

Worksheet Summary

Compliance Determination

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

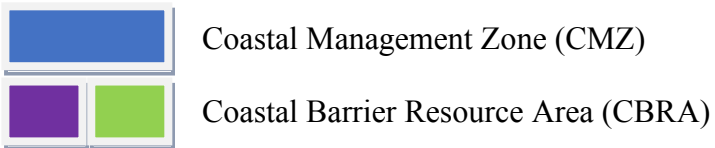
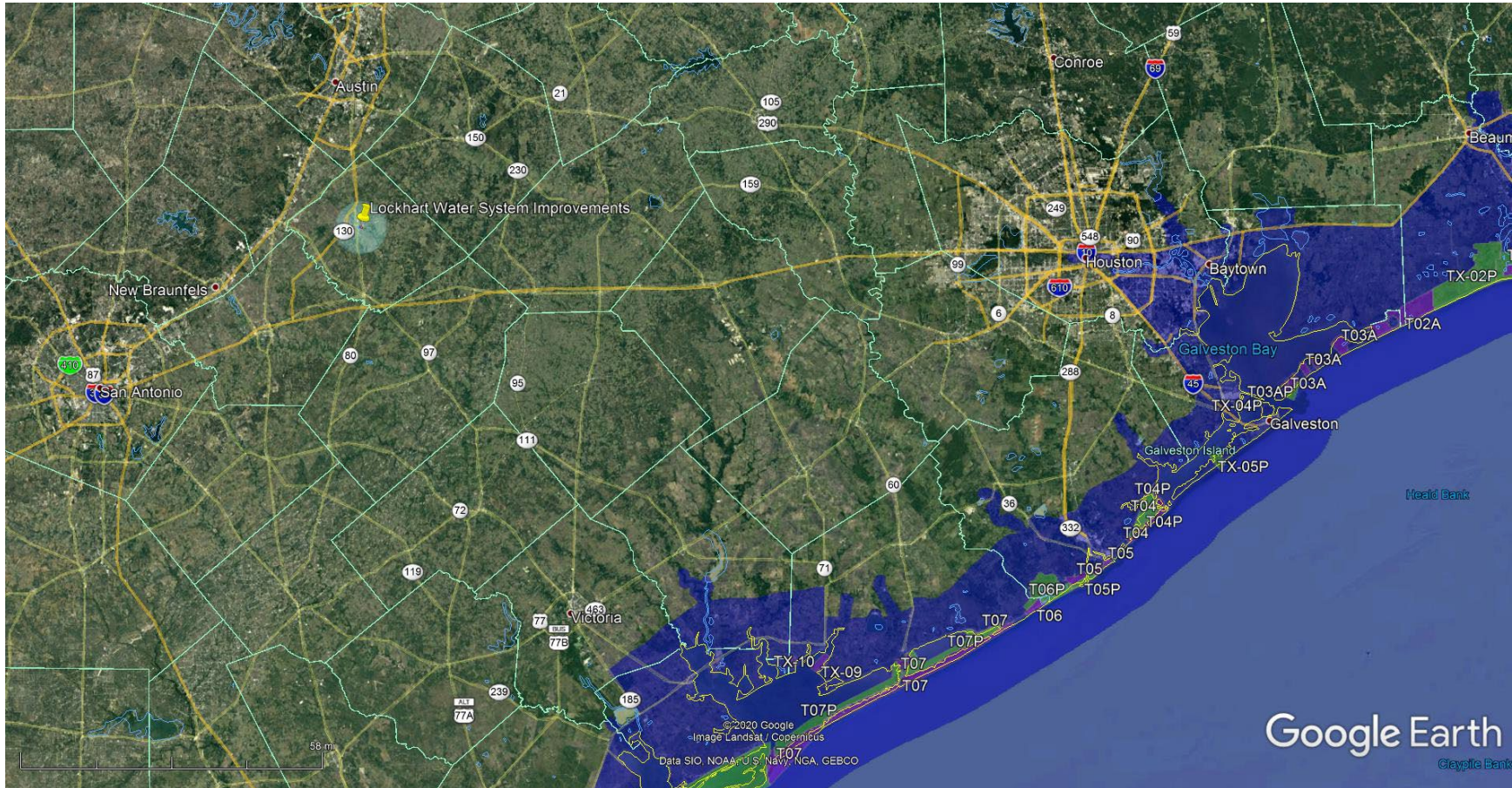
- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

The project is not located within a coastal barrier resource area. See Tab 6, Attachment 2.

Are formal compliance steps or mitigation required?



Yes

No



 Proposed Project Location

Project not located within the Coastal Management Zone or CBRA

Client Name	City of Lockhart	 Future Link Technologies	
Contract #	7219231	PO Box 90696	
Map Information	Texas General Land Office Coastal Maps	512-443-4100	
Date	May 20	Environmental Service Provider	

ATTACHMENT 3

Flood Insurance

- Federal Emergency Management Agency (FEMA)
Documentation of National Flood Insurance Program



Flood Insurance (CEST and EA)

General requirements	Legislation	Regulation
Certain types of federal financial assistance may not be used in floodplains unless the community participates in National Flood Insurance Program and flood insurance is both obtained and maintained.	Flood Disaster Protection Act of 1973 as amended (42 USC 4001-4128)	24 CFR 50.4(b)(1) and 24 CFR 58.6(a) and (b); 24 CFR 55.1(b).
Reference		
https://www.hudexchange.info/environmental-review/flood-insurance		

1. Does this project involve financial assistance for construction, rehabilitation, or acquisition of a mobile home, building, or insurable personal property?

No. This project does not require flood insurance or is excepted from flood insurance. →
Continue to the Worksheet Summary.

Yes → *Continue to Question 2.*

2. Provide a FEMA/FIRM map showing the site.

The Federal Emergency Management Agency (FEMA) designates floodplains. The [FEMA Map Service Center](#) provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs). For projects in areas not mapped by FEMA, use the best available information to determine floodplain information. Include documentation, including a discussion of why this is the best available information for the site. Provide FEMA/FIRM floodplain zone designation, panel number, and date within your documentation.

Is the structure, part of the structure, or insurable property located in a FEMA-designated Special Flood Hazard Area?

No → *Continue to the Worksheet Summary.*

Yes → *Continue to Question 3.*

3. Is the community participating in the National Flood Insurance Program or has less than one year passed since FEMA notification of Special Flood Hazards?

Yes, the community is participating in the National Flood Insurance Program.

For loans, loan insurance or loan guarantees, flood insurance coverage must be continued for the term of the loan. For grants and other non-loan forms of financial assistance, flood insurance coverage must be continued for the life of the building irrespective of the transfer of ownership. The amount of coverage must equal the total project cost or the maximum coverage limit of the National Flood Insurance Program, whichever is less

Provide a copy of the flood insurance policy declaration or a paid receipt for the current annual flood insurance premium and a copy of the application for flood insurance.

→ *Continue to the Worksheet Summary.*

- Yes, less than one year has passed since FEMA notification of Special Flood Hazards.
If less than one year has passed since notification of Special Flood Hazards, no flood insurance is required.

→ *Continue to the Worksheet Summary.*

- No. The community is not participating, or its participation has been suspended.
Federal assistance may not be used at this location. Cancel the project at this location.

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 City participates in the NFIP program. See Tab 6, Attachment 3 for proof of participation.
The project area is not located within the 100-year floodplain. according to FEMA NFHL Panel 48055C0235E, Effective 6/19/2012,. See Tab 6, Attachment 10.

Are formal compliance steps or mitigation required?

Yes

No

Federal Emergency Management Agency Community Status Book Report TEXAS

Communities Participating in the National Flood Program

CID	Community Name	County	Init FHBM Identified	Init FIRM Identified	Curr Eff Map Date	Reg-Emer Date	Tribal
481314B	LEROY, CITY OF	MCLENNAN COUNTY	05/09/78	01/02/80	12/20/19	01/30/80	No
480354#	LEVELLAND, CITY OF	HOCKLEY COUNTY	02/08/74	08/02/90	08/02/90	08/02/90	No
480195#	LEWISVILLE, CITY OF	DALLAS COUNTY/DENTON COUNTY	03/15/74	10/18/88	07/07/14	10/18/88	No
480902#	LEXINGTON, CITY OF	LEE COUNTY	02/21/75	04/16/14	04/16/14	07/19/12	No
480438B	LIBERTY COUNTY*	LIBERTY COUNTY	05/24/77	09/30/88	01/19/18	09/30/88	No
480073B	LIBERTY HILL, CITY OF	WILLIAMSON COUNTY		09/27/91	(NSFHA)	10/04/07	No
480441B	LIBERTY, CITY OF	LIBERTY COUNTY	12/20/74	11/18/88	01/19/18	11/18/88	No
480910#	LIMESTONE COUNTY*	LIMESTONE COUNTY	10/25/77	06/01/87	09/16/11	06/01/87	No
480569#	LINDALE, CITY OF	SMITH COUNTY	03/22/74	09/26/08	04/16/14	03/06/09	No
480735#	LINDEN, CITY OF	CASS COUNTY	07/30/76	06/19/85	04/03/12(M)	06/19/85	No
480766#	LINDSAY, CITY OF	COOKE COUNTY	05/14/76	04/01/87	01/16/08(M)	04/01/87	No
481075#	LIPAN, CITY OF	HOOD COUNTY	10/29/76	10/01/09	08/16/12(M)	10/01/09	No
	THE CITY OF LIPAN RECEIVED A CONVERSION OF THE FHBM TO A FIRM BY LETTER EFFECTIVE 10/1/2009. THIS WILL BE REFLECTED IN THE NEXT MAP SERVICE CENTER UPDATE.						
481152#	LITTLE ELM, TOWN OF	DENTON COUNTY	08/13/76	09/18/87	04/18/11	05/13/91	No
481579#	LITTLE RIVER-ACADEMY, CITY OF	BELL COUNTY		05/01/84	09/26/08	05/01/84	No
480429	LITTLEFIELD, CITY OF	LAMB COUNTY	02/01/74	04/01/87	04/01/87(L)	04/01/87	No
481179#	LIVE OAK COUNTY*	LIVE OAK COUNTY	05/17/96	11/19/03	11/19/03	11/19/03	No
480043#	LIVE OAK, CITY OF	BEXAR COUNTY	05/24/74	02/16/96	09/29/10	05/16/77	No
480075#	LIVERPOOL, CITY OF	BRAZORIA COUNTY	11/26/74	06/05/85	06/05/89	06/05/85	No
480528#	LIVINGSTON, CITY OF	POLK COUNTY	03/01/74	09/01/87	09/03/10(M)	09/01/87	No
481234#	LLANO COUNTY *	LLANO COUNTY	11/22/77	09/18/91	05/02/12	09/18/91	No
480451#	LLANO, CITY OF	LLANO COUNTY	12/28/73	05/04/82	05/02/12	05/04/82	No
480095#	LOCKHART, CITY OF	CALDWELL COUNTY	11/12/76	11/05/80	06/19/12	11/05/80	No
481635#	LOG CABIN, CITY OF	HENDERSON COUNTY		09/27/91	04/05/10(M)	04/05/10	No
480944	LONE STAR, CITY OF	MORRIS COUNTY	08/06/76	04/01/07	04/01/07(L)	04/01/07	No
480264#	LONGVIEW, CITY OF	HARRISON COUNTY/GREGG COUNTY	08/09/74	12/15/77	09/03/14	12/15/77	No
480928B	LORENA, CITY OF	MCLENNAN COUNTY	06/21/77	02/01/79	12/20/19	05/14/80	No
480160	LORENZO, CITY OF	CROSBY COUNTY	04/12/74	08/24/82	08/24/82(M)	08/24/82	No
480108A	LOS FRESNOS, CITY OF	CAMERON COUNTY	06/07/74	08/19/86	02/16/18	08/19/86	No
480105A	LOS INDIOS, CITY OF	CAMERON COUNTY		02/16/18	02/16/18	01/14/19	No
480874#	LOVELADY, CITY OF	HOUSTON COUNTY	10/29/76	03/01/91	04/04/11(M)	03/01/91	No
481235	LOVING COUNTY *	LOVING COUNTY				03/15/01(E)	No
481631#	LOWRY CROSSING, CITY OF	COLLIN COUNTY	12/06/77	03/16/81	06/02/09	08/22/91	No
480915C	LUBBOCK COUNTY*	LUBBOCK COUNTY	11/29/77	09/18/02	02/03/17	10/11/02	No
480452C	LUBBOCK, CITY OF	LUBBOCK COUNTY	08/30/74	09/02/82	02/03/17	09/02/82	No
481545#	LUCAS, CITY OF	COLLIN COUNTY	07/25/75	04/02/91	06/02/09	07/03/79	No
480009#	LUFKIN, CITY OF	ANGELINA COUNTY	02/22/74	06/01/82	09/29/10	06/01/82	No
480096#	LULING, CITY OF	GUADALUPE COUNTY/CALDWELL COUNTY	05/24/74	01/16/79	06/19/12	01/16/79	No
481111#	LUMBERTON, CITY OF	HARDIN COUNTY	10/22/76	12/02/88	10/06/10	05/08/79	No
480665A	LYFORD, CITY OF	WILLACY COUNTY	05/17/74	05/05/81	04/05/17	05/05/81	No
480692#	LYTLE, CITY OF	MEDINA COUNTY/BEXAR COUNTY/ATASCOSA COUNTY	08/02/74	02/02/77	04/03/12	02/02/77	No
480414#	MABANK, CITY OF	HENDERSON COUNTY/KAUFMAN COUNTY	05/17/77	08/08/78	07/03/12	08/08/78	No
481180#	MADISON COUNTY*	MADISON COUNTY		09/27/91	09/27/91	09/27/91	No
480464#	MADISONVILLE, CITY OF	MADISON COUNTY	05/17/74	03/05/90	03/05/90	03/05/90	No
481261#	MAGNOLIA, CITY OF	MONTGOMERY COUNTY	05/17/77	01/03/85	08/18/14	01/03/85	No

STATUTES EXECUTIVE ORDERS AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5

ATTACHMENT 4

Air Quality

- TCEQ or NEPAssist Nonattainment Area Mapping
- Texas Air Quality Control Measures
- Air Pollutant Watch List

Air Quality (CEST and EA)

General Requirements	Legislation	Regulation
The Clean Air Act is administered by the U.S. Environmental Protection Agency (EPA), which sets national standards on ambient pollutants. In addition, the Clean Air Act is administered by States, which must develop State Implementation Plans (SIPs) to regulate their state air quality. Projects funded by HUD must demonstrate that they conform to the appropriate SIP.	Clean Air Act (42 USC 7401 et seq.) as amended particularly Section 176(c) and (d) (42 USC 7506(c) and (d))	40 CFR Parts 6, 51 and 93
Reference		
https://www.hudexchange.info/environmental-review/air-quality		

Scope of Work

1. Does your project include new construction or conversion of land use facilitating the development of public, commercial, or industrial facilities OR five or more dwelling units?

Yes

→ Continue to Question 2.

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.

Air Quality Attainment Status of Project's County or Air Quality Management District

2. Is your project's air quality management district or county in non-attainment or maintenance status for any criteria pollutants?

Follow the link below to determine compliance status of project county or air quality management district:

<http://www.epa.gov/oaqps001/greenbk/>

No, project's county or air quality management district is in attainment status for all criteria pollutants

→ 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, project's management district or county is in non-attainment or maintenance status for one or more criteria pollutants.

Describe the findings:

→ Continue to Question 3.

- 3. Determine the estimated emissions levels of your project for each of those criteria pollutants that are in non-attainment or maintenance status on your project area. Will your project exceed any of the *de minimis* or *threshold* emissions levels of non-attainment and maintenance level pollutants or exceed the screening levels established by the state or air quality management district?**

- No, the project will not exceed *de minimis* or threshold emissions levels or screening levels

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Explain how you determined that the project would not exceed *de minimis* or threshold emissions.

- Yes, the project exceeds *de minimis* emissions levels or screening levels.

→ Continue to Question 4. Explain how you determined that the project would not exceed *de minimis* or threshold emissions in the Worksheet Summary.

- 4. 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 mitigate for the impact or effect, including the timeline for implementation.**

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

This project is not located within a non-attainment /maintenance area. Activities will not be impacted by nor impact the proposed project. See Tab 6, Attachment A4. and A6.

<u>Within 0.5 miles of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?</u>	<u>no</u>
<u>Within 0.5 miles of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?</u>	<u>no</u>
<u>Within 0.5 miles of a Lead (2008 standard) Non-Attainment/Maintenance Area?</u>	<u>no</u>
<u>Within 0.5 miles of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?</u>	<u>no</u>
<u>Within 0.5 miles of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?</u>	<u>no</u>
<u>Within 0.5 miles of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?</u>	<u>no</u>
<u>Within 0.5 miles of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?</u>	<u>no</u>
<u>Within 0.5 miles of a PM10 (1987 standard) Non-Attainment/Maintenance Area?</u>	<u>no</u>

Are formal compliance steps or mitigation required?

Yes

No



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Austin-Round Rock and the State Implementation Plan

Information on the State Implementation Plan (SIP) to improve air quality in the Austin-Round Rock area and meet the requirements of the Federal Clean Air Act. The area includes Travis, Williamson, Bastrop, Hays, and Caldwell counties.

Attainment Status

Current air quality designations for the six criteria pollutants

- **Current Attainment Status** (<https://www.tceq.texas.gov/airquality/sip/aus/aus-status>)
- **Ozone Design Values** (http://www.tceq.texas.gov/cgi-bin/compliance/monops/8hr_attainment.pl)

Air Quality History

Austin air quality history from the 1990s to the present

- **Ozone History** (<https://www.tceq.texas.gov/airquality/sip/aus/aus-ozone-history>)

Latest Activities

Information about the latest events and activities related to Austin and the SIP

- **Latest Ozone Planning Activities** (<https://www.tceq.texas.gov/airquality/sip/aus/aus-latest-ozone>)

Air Quality Plans

Adopted SIP revisions and agreements from the 1970s to the present

- **Current Ozone Air Quality Plan** (<http://www.tceq.texas.gov/assets/public/implementation/air/sip/austin/Austin-RoundRock8-HourOzoneFlexFinal.pdf>)
- **Complete List of Texas SIP Revisions** (<https://www.tceq.texas.gov/airquality/sip/siplans.html>) (see AUS column)

Air Quality Control Measures

Information on air quality control measures implemented in Texas

- **Texas Air Quality Rules** (<https://www.tceq.texas.gov/airquality/sip/sipstrategies.html>)
 - **Stationary Source Rules for the Austin-Round Rock Area** (<https://www.tceq.texas.gov/airquality/stationary-rules/arr>)

Contact Information and Related Links

How to contact (<https://www.tceq.texas.gov/airquality/sip/aus/aus-links>) TCEQ SIP staff, local air quality planning groups, and other helpful links

Data (<https://www.tceq.texas.gov/agency/data>)

Forms (https://www.tceq.texas.gov/search_forms.html)

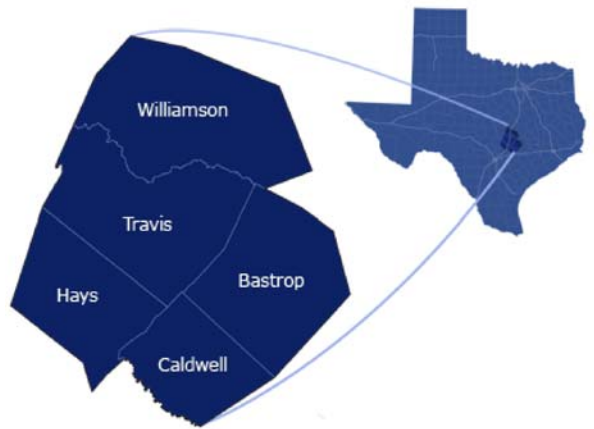
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Statewide Links: **Texas.gov (http://www.texas.gov/)** | **Texas Homeland Security (http://www.texashomelandsecurity.org/)** | **TRAIL Statewide Archive (https://www.tsl.texas.gov/trail/index.html)** | **Texas Veterans Portal (https://veterans.portal.texas.gov/)**

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Austin-Round Rock: Current Attainment Status

Compliance of Austin-Round Rock (ARR) area counties with the National Ambient Air Quality Standards (NAAQS).

Note: This table is intended to provide a listing of designations and classifications for current, active NAAQS. While NAAQS which have been revoked by the EPA do not appear in this table, some anti-backsliding obligations may continue to apply for revoked standards. This table is to be used for informational purposes only and should not be used to determine regulatory requirements in any of the counties listed.

Austin-Round Rock Area: Attainment Status by Pollutant

Pollutant	Primary NAAQS	Averaging Period	Designation	Counties	Attainment Deadline
Ozone (O ₃)*	0.070 ppm (2015 standard)	8-hour	Attainment/ Unclassifiable (Effective Jan 16, 2018)	Travis, Williamson, Bastrop, Hays, Caldwell	
	0.075 ppm (2008 standard)	8-hour	Unclassifiable/ Attainment	Travis, Williamson, Bastrop, Hays, Caldwell	
Lead (Pb)	0.15 µg/m ³ (2008 standard)	Rolling 3-Month Average	Unclassifiable/ Attainment		
Carbon Monoxide (CO)	9 ppm	8-hour	Unclassifiable/ Attainment		
	35 ppm	1-hour	Unclassifiable/ Attainment		
Nitrogen Dioxide (NO ₂)	0.053 ppm	Annual	Unclassifiable/ Attainment		
	100 ppb	1-hour	Unclassifiable/ Attainment		
Particulate Matter (PM ₁₀)	150 µg/m ³	24-hour	Unclassifiable/ Attainment		
Particulate Matter (PM _{2.5})	12.0 µg/m ³ (2012 standard)	Annual (Arithmetic Mean)	Unclassifiable/ Attainment		
	15.0 µg/m ³ (1997 standard)	Annual (Arithmetic Mean)	Unclassifiable/ Attainment		
	35 µg/m ³	24-hour	Unclassifiable/ Attainment		
Sulfur Dioxide (SO ₂)	0.03 ppm**	Annual (Arithmetic Mean)	Unclassifiable/ Attainment		
	0.14 ppm**	24-hour	Unclassifiable/ Attainment		

75 ppb

1-hour

Attainment/
Unclassifiable

*The United States Environmental Protection Agency (EPA) revoked the one-hour ozone standard and the 1997 eight-hour ozone standard in all areas, although some areas have continuing obligations under these standards. See **ozone history** (<https://www.tceq.texas.gov/airquality/sip/aus/aus-ozone-history>) for more information.

**The standard is scheduled to be revoked one year after the effective date of final designations for the 75 ppb standard.

For more information on attainment status, visit the EPA's **Green Book** (<https://www.epa.gov/green-book>) webpage regarding nonattainment areas for criteria pollutants.

Austin–Round Rock Attainment Areas

2015 Eight-Hour Ozone Standard Designations: Attainment/Unclassifiable, effective January 16, 2018 (**82 FR 54232**) (<https://www.gpo.gov/fdsys/pkg/FR-2017-11-16/pdf/2017-24640.pdf>)

On October 1, 2015, the EPA lowered the primary and secondary eight-hour ozone NAAQS to 0.070 parts per million (**80 FR 65292**) (<https://www.gpo.gov/fdsys/pkg/FR-2015-10-26/pdf/2015-26594.pdf>). Travis, Williamson, Bastrop, Hays, and Caldwell Counties were designated attainment/unclassifiable under the 2015 eight-hour ozone NAAQS, effective January 16, 2018.

2008 Eight-Hour Ozone Standard Designations: Unclassifiable/Attainment, effective July 20, 2012 (**77 FR 30088**) (<http://www.gpo.gov/fdsys/pkg/FR-2012-05-21/pdf/2012-11618.pdf>)

On March 27, 2008, the EPA lowered the primary and secondary eight-hour ozone NAAQS to 0.075 parts per million (ppm) (**73 FR 16436**) (<http://edocket.access.gpo.gov/2008/pdf/E8-5645.pdf>). Travis, Williamson, Bastrop, Hays, and Caldwell Counties were designated unclassifiable/attainment under the 2008 eight-hour ozone NAAQS, effective July 20, 2012.

1997 Eight-Hour Ozone Standard Designations: Attainment, April 30, 2004 (**69 FR 23858**) (<http://www.gpo.gov/fdsys/pkg/FR-2004-04-30/pdf/04-9152.pdf>)

Counties: Travis, Williamson, Bastrop, Hays, and Caldwell

On December 18, 2002, local governments in the ARR area entered into a voluntary **Early Action Compact (EAC)** (<https://www.tceq.texas.gov/airquality/sip/eac.html>) agreement with the TCEQ and the EPA for the 1997 eight-hour ozone standard. On March 31, 2004, a final EAC plan was submitted to the TCEQ for incorporation into the State Implementation Plan. On November 17, 2004, the commission adopted the EAC attainment demonstrations for **Austin, San Antonio, and Northeast Texas** (/assets/public/implementation/air/sip/sipdocs/2004-EACs/EACs_Nov2004_archive.pdf), and, at the request of the Austin and San Antonio areas, rule changes to 30 TAC 114 and 115.

National Ambient Air Quality Standards

The EPA has set **National Ambient Air Quality Standards** (<https://www.epa.gov/criteria-air-pollutants/naqs-table>) (NAAQS) for six principal criteria pollutants: ground-level ozone, lead, carbon monoxide, nitrogen dioxide, sulfur dioxide, and particulate matter.

No later than one year after promulgation of a new or revised NAAQS for any pollutant, the governor must submit designation recommendations to the EPA for all areas of the state. The EPA must then promulgate the designations within two years of promulgation of the revised NAAQS. Areas that do not meet (or contribute to ambient air quality in a nearby area that does not meet) the NAAQS are designated nonattainment. Areas that meet the NAAQS are designated attainment; and areas that cannot be classified based on the available information, unclassifiable.

For ozone, the Federal Clean Air Act establishes nonattainment area classifications ranked according to the severity of the area's air pollution problem. These classifications—*marginal*, *moderate*, *serious*, *severe*, and *extreme*—translate to varying requirements with which Texas and nonattainment areas must comply.

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ATTACHMENT 5

Coastal Zone Management

- Texas Coastal Management Program Map
- Texas General Land Office Correspondence

Coastal Zone Management Act (CEST and EA)

General requirements	Legislation	Regulation
Federal assistance to applicant agencies for activities affecting any coastal use or resource is granted only when such activities are consistent with federally approved State Coastal Zone Management Act Plans.	Coastal Zone Management Act (16 USC 1451-1464), particularly section 307(c) and (d) (16 USC 1456(c) and (d))	15 CFR Part 930
References		
https://www.onecpd.info/environmental-review/coastal-zone-management		

Projects located in the following states must complete this form.

Alabama	Florida	Louisiana	Mississippi	Ohio	Texas
Alaska	Georgia	Maine	New Hampshire	Oregon	Virgin Islands
American Samona	Guam	Maryland	New Jersey	Pennsylvania	Virginia
California	Hawaii	Massachusetts	New York	Puerto Rico	Washington
Connecticut	Illinois	Michigan	North Carolina	Rhode Island	Wisconsin
Delaware	Indiana	Minnesota	Northern Mariana Islands	South Carolina	

1. Is the project located in, or does it affect, a Coastal Zone as defined in your state Coastal Management Plan?

Yes → Continue to Question 2.

No → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within a Coastal Zone.

2. Does this project include activities that are subject to state review?

Yes → Continue to Question 3.

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

3. Has this project been determined to be consistent with the State Coastal Management Program?

Yes, with mitigation. → Continue to Question 4.

Yes, without mitigation. → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination.

No, project must be canceled.

Project cannot proceed at this location.

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

→ *Continue to the Worksheet Summary below. Provide documentation of the consultation (including the State Coastal Management Program letter of consistency) and any other documentation 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:

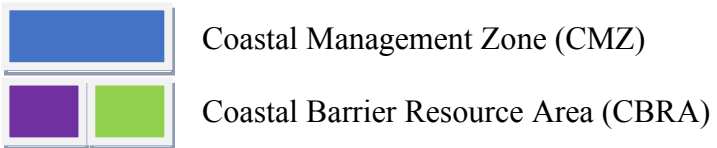
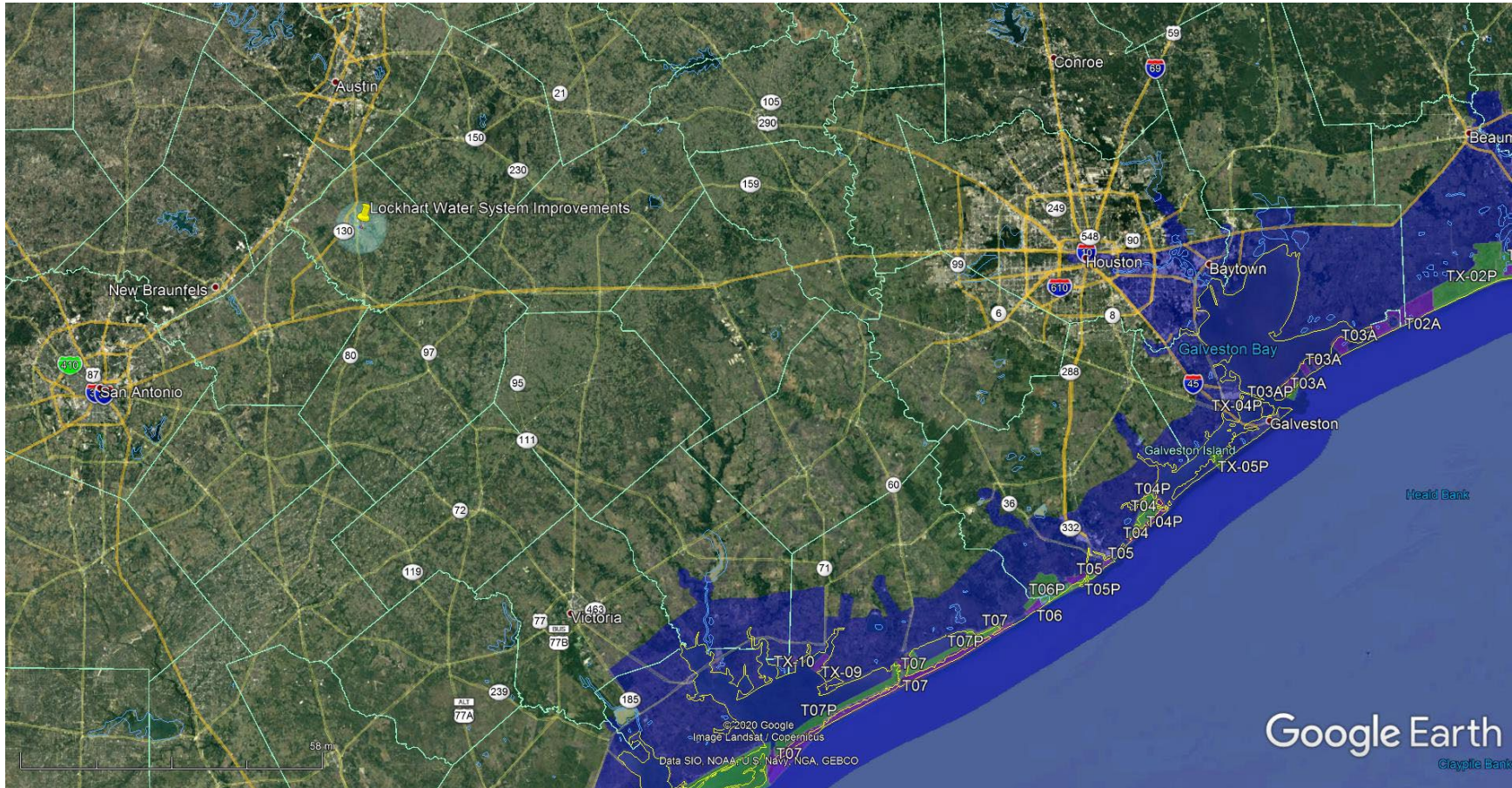
- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

The project is consistent with this item. The project is not located within a 100 year flood plain as identified by FEMA NFHL Flood panel 48055C0235E, Effective 6/19/12. See Tab 6, Attachment 10.

Are formal compliance steps or mitigation required?



Yes

No



 Proposed Project Location

Project not located within the Coastal Management Zone or CBRA

Client Name	City of Lockhart	 Future Link Technologies	
Contract #	7219231	PO Box 90696	
Map Information	Texas General Land Office Coastal Maps	512-443-4100	
Date	May 20	Environmental Service Provider	

ATTACHMENT 6

Contamination and Toxic Substances

Federal

US Environmental Protection Agency (EPA)

- EnviroMapper for Envirofacts and NEPASSIST -
(Listing of Regulated (RCRA) Facilities)
- EPA RCRA Corrective Action Sites – Map
- Brownfields MAP
- National Priorities Listing (NPL)

National Response Center

- Current Spills Report

State and Local Statutes

TCEQ Central Registry Database Listings

- Underground Injection Control Permits
- Radioactive Waste Storage & Processing Permits
- Brownfield Site Assessments
- Voluntary Cleanup Program
- Superfund Program
- Innocent Owner/Operator Program
- Industrial and Hazardous Waste Disposal Registration/Permits
- Industrial and Hazardous Waste Corrective Action Sites
- Petroleum Storage Tanks Registration & Mapping of Tanks
 - Underground Storage Tanks
- Leaking Petroleum Storage Tanks & Mapping of Tanks

Closed and Abandoned Landfills



Future Link Technologies

Environmental and Technology Consulting

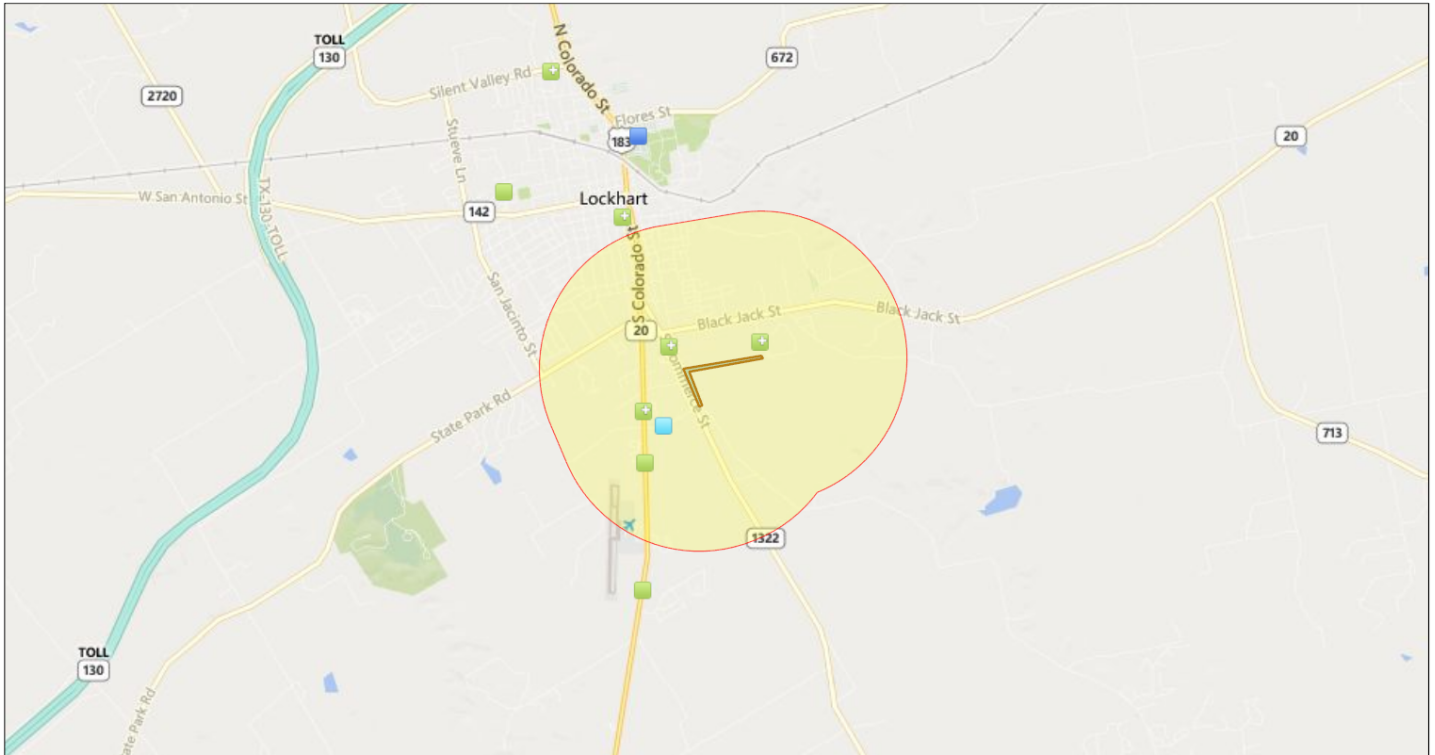
**City of Lockhart
Community Development Block Grant
Supplemental Disaster Recovery
Contract No. 7219231**

**Researched TCEQ Central Registry Database and EPA EnviroMapper
Hazardous Materials Search Results**

Database searched	Search Distance (in miles)	Number of Sites found
<i>Federal Databases</i>		
NPL site list	1.0	0
Delisted NPL site list	0.5	0
CERCLIS list	0.5	0
CERCLIS NFRAP site list	0.5	0
RCRA CORRACTS facilities list	1.0	1- Inactive – approximately .25 mi from project area.
RCRA non-CORRACTS TSD facilities list	0.5	0
RCRA generators list	property and adjoining properties	1 - inactive
Institutional control/engineering control registries	property only	0
ERNS list	property only	0
TRI Site		1
<i>State/Tribal Databases</i>		
NPL	1.0	0
CERCLIS	0.5	0
Landfill and/or solid waste disposal site lists	0.5	0
Leaking storage tank list	0.5	2 – Inactive
Registered storage tank list	property and adjoining properties	1 inactive above ground tank
Institutional control/engineering control registries	property only	0
Voluntary cleanup sites Owner/Operator	0.5	0
Brownfield sites	0.5	0
Current Spills Report	At Project location or within close proximity to Site	0

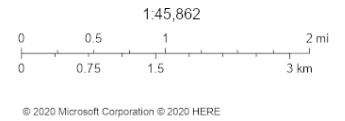
NEPAssist Report

Lockhart Water System Improvements



May 17, 2020

- Toxic Releases (TRI)
- Air Pollution (ICIS-AIR)
- Hazardous Waste (RCRAInfo)
- Project Buffer
- Lockhart Water System Improvements



Input Coordinates: 29.868796,-97.654898,29.868536,-97.654684,29.867196,-97.663224,29.863809,-97.661722,29.863698,-97.662065,29.867494,-97.663911,29.868796,-97.654898

Project Area	0.02 sq mi
Within 1 mile of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	no
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?	no
Within 1 mile of a stream?	yes
Within 1 mile of an NWI wetland?	Available Online
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?	no
Within 1 mile of a hospital?	no
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

Created on: 5/17/2020 11:39:59 AM

Detailed Facility Report

Facility Summary

PURE CASTINGS

112 E MLK JR INDUSTRIAL BLVD, LOCKHART, TX 78644

FRS (Facility Registry Service) ID: 110070366455

EPA Region: 06

Latitude: 29.86177

Longitude: -97.66621

Locational Data Source: FRS

Industry:

Indian Country: N

Enforcement and Compliance Summary

Statute	Insp (5 Years)	Date of Last Inspection	Compliance Status	Qtrs with NC (Noncompliance) (of 12)	Qtrs with Significant Violation	Informal Enforcement Actions (5 years)	Formal Enforcement Actions (5 years)	Penalties from Formal Enforcement Actions (5 years)	EPA Cases (5 years)	Penalties from EPA Cases (5 years)
CWA	--	--	No Violation Identified	0	0	--	--	--	--	--

Regulatory Information

Clean Air Act (CAA): No Information
 Clean Water Act (CWA): Minor, Permit Effective (TXR05DZ54)
 Resource Conservation and Recovery Act (RCRA): No Information
 Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information
 Greenhouse Gas Emissions (eGGRT): No Information
 Toxic Releases (TRI): 7864WPRCST112EM
 Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Known Data Problems

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110070366455					N	29.86177	-97.66621
ICIS-NPDES	CWA	TXR05DZ54	Minor: General Permit Covered Facility	Effective	Storm Water Industrial	08/13/2021	N	29.861108	-97.666175
TRI	EP313	7864WPRCST112EM	Toxics Release Inventory	Last Reported for 2018			N	29.86129	-97.666197

Facility Address

System	Statute	Identifier	Facility Name	Facility Address
FRS		110070366455	PURE CASTINGS	112 E MLK JR INDUSTRIAL BLVD, LOCKHART, TX 78644
ICIS-NPDES	CWA	TXR05DZ54	PURE CASTINGS	112 E MLK JR INDUSTRIAL BLVD, LOCKHART, TX 78644-4852
TRI	EP313	7864WPRCST112EM	PURE CASTINGS CO	112 E MLK JR INDUSTRIAL BLVD, LOCKHART, TX 78644

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
--------	------------	----------	-----------------

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
--------	------------	------------	-------------------

System	Identifier	SIC Code	SIC Description
ICIS-NPDES	TXR05DZ54	3324	Steel Investment Foundries

System	Identifier	NAICS Code	NAICS Description
TRI	7864WPRCST112EM	331512	Steel Investment Foundries

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description
No data records returned		

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
No data records returned			

Enforcement and Compliance

Compliance Monitoring History (5 years)

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
No data records returned							

Entries in italics are not counted in EPA compliance monitoring strategies or annual results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	TXR05DZ54	No	12/31/2019	0	05/15/2020

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13+
CWA	(Source ID: TXR05DZ54)	01/01-03/31/17	04/01-06/30/17	07/01-09/30/17	10/01-12/31/17	01/01-03/31/18	04/01-06/30/18	07/01-09/30/18	10/01-12/31/18	01/01-03/31/19	04/01-06/30/19	07/01-09/30/19	10/01-12/31/19	01/01-05/15/20
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	Undetermined
	Quarterly Noncompliance Report History													

Informal Enforcement Actions (5 Years)

Statute	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions (5 Years)

Statute	System	Law/Section	Source ID	Action Type	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty	State/Local Penalty	SEP Cost	Comp Action Cost
No data records returned														

Environmental Conditions

Water Quality

Permit ID	Combined Sewer System?	Number of CSO (Combined Sewer Overflow) Outfalls	12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Impaired Waters	Impaired Class	Causes of Impairment(s) by Group(s)	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
TXR05DZ54						No			No

Water Body Designated Uses

Reach Code	Water Body Name	Exceptional Use	Recreational Use	Aquatic Life Use	Shellfish Use	Beach Closure Within Last Year	Beach Closure Within Last Two Years
		No	No	No	No	No	No

Air Quality

Nonattainment Area?	Pollutant(s)	Applicable Nonattainment Standard(s)
No	Ozone	
No	Lead	

Nonattainment Area?	Pollutant(s)	Applicable Nonattainment Standard(s)
No	Particulate Matter	
No	Carbon Monoxide	
No	Nitrogen Dioxide	
No	Sulfur Dioxide	

Pollutants

[TRI Pollution Prevention Report](#)
[Air Pollutant Report](#)

Toxics Release Inventory History of Reported Chemicals Released in Pounds per Year at Site

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land	Total On-site Releases	Total Off-site Transfers
7864WPRCST112EM	2018	74	3	0			77	54,762

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
CHROMIUM	29,846									
COPPER	12,402									
NICKEL	12,591									

Demographic Profile

EJSCREEN EJ Indexes

Eleven primary environmental justice (EJ) indexes of EJSCREEN, EPA's screening tool for EJ concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. The index values below are for the Census block group in which the facility is located. Note that use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJSCREEN provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the [EJSCREEN home page](#).

Census Block Group EJ Indexes (percentile)	
Particulate Matter (PM 2.5)	61.9
Ozone NATA Diesel PM	61.5
NATA Air Toxics Cancer Risk	61.8
NATA Respiratory Hazard Index (HI)	61.4
Traffic Proximity	62.8
Lead Paint Indicator	69.4
Superfund Proximity	59.9
Risk Management Plan (RMP) Proximity	65.9
Hazardous Waste Proximity	59.5
Wastewater Discharge Proximity	74.8

Number of EJ Indexes Above 80th Percentile
0

[View EJSCREEN Report](#)

Demographic Profile of Surrounding Area (3 Miles)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2006-2010 American Community Survey 5-Year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics	
Total Persons	13,021
Population Density	459/sq.mi.
Percent Minority	61%
Households in Area	4,181
Housing Units in Area	4,607
Households on Public Assistance	68
Persons Below Poverty Level	4,489

Age Breakdown - Persons (%)	
Children 5 years and younger	890 (7%)
Minors 17 years and younger	3,387 (26%)
Adults 18 years and older	9,634 (74%)
Seniors 65 years and older	1,607 (12%)

Race Breakdown - Persons (%)	
White	9,599 (74%)
African-American	1,191 (9%)

Geography

Radius of Selected Area	3 mi.
Center Latitude	29.86177
Center Longitude	-97.66621
Land Area	100%
Water Area	0%

Income Breakdown - Households (%)

Less than \$15,000	610 (17.91%)
\$15,000 - \$25,000	444 (13.04%)
\$25,000 - \$50,000	848 (24.9%)
\$50,000 - \$75,000	700 (20.56%)
Greater than \$75,000	803 (23.58%)

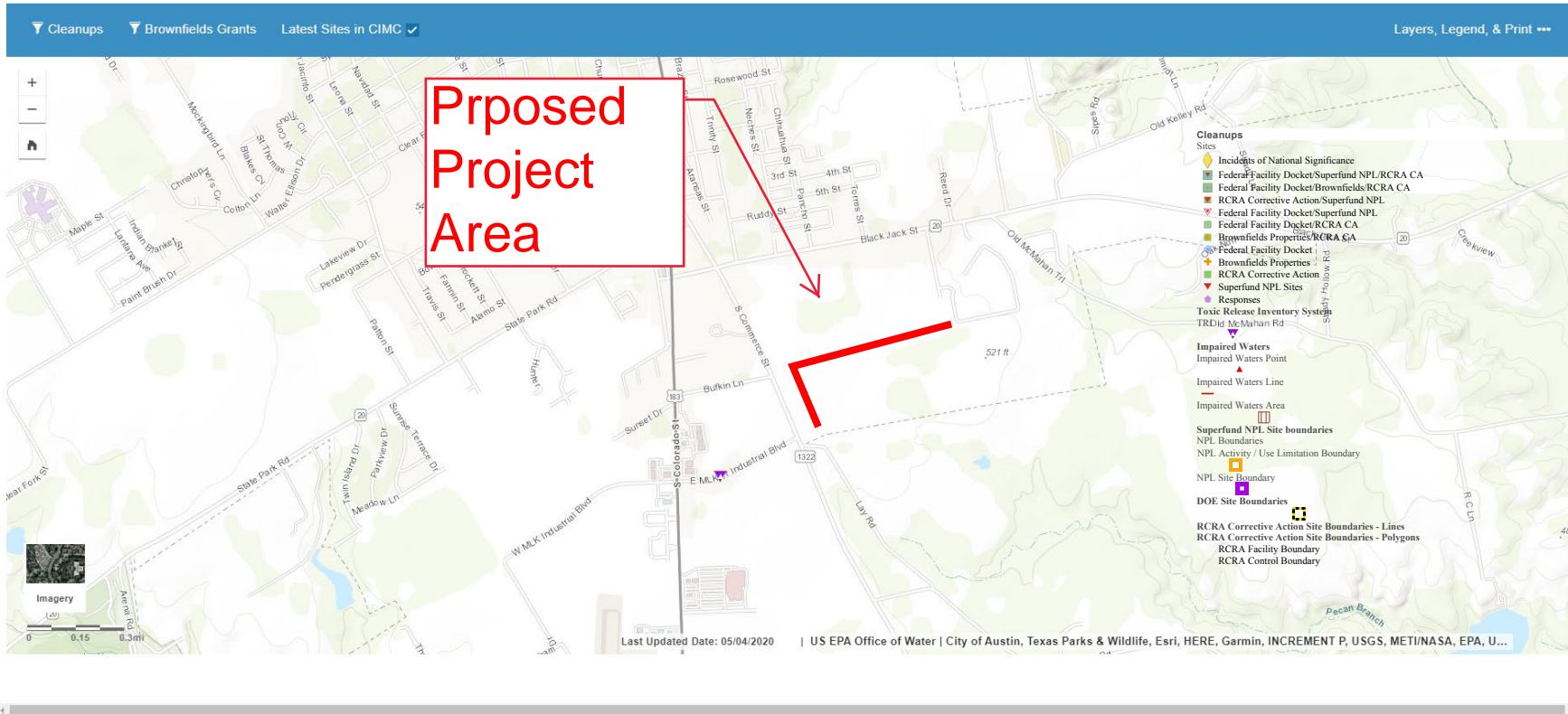
Race Breakdown - Persons (%)

Hispanic-Origin	6,535 (50%)
Asian/Pacific Islander	65 (1%)
American Indian	97 (1%)
Other/Multiracial	2,071 (16%)

Education Level (Persons 25 & older) - Persons (%)

Less than 9th Grade	905 (10.64%)
9th through 12th Grade	1,302 (15.31%)
High School Diploma	3,453 (40.59%)
Some College/2-year	1,735 (20.4%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,111 (13.06%)

Cleanups In My Community Map



One Toxic Release site located approximately 1700 ft southwest of the project site. No impact is expected due to distance to the site.

Client Name	City of Lockhart	Future Link Technologies	1
Contract #	<u>7219231</u>	PO Box 90696, Austin, TX 78709	
Map Information	EPA Cleanups in My Community	512-443-4100	
Date	May 20	Environmental Service Provider	



- **You are here:** [EPA Home](#)
- [Envirofacts](#)
- [TRI](#)
- Search Results

Search Results

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 **TRI**
 Search Results
[<< Return](#)

<u>Facility Name:</u>	PURE CASTINGS CO	<u>Mailing Name:</u>	PURE CASTINGS CO
<u>Address:</u>	112 E MLK JR INDUSTRIAL BLVD LOCKHART, TX - 78644	<u>Mailing Address:</u>	119 E. MLK JR. INDUSTRIAL BLVD. LOCKHART, TX - 78644
<u>County:</u>	CALDWELL	<u>Region:</u>	6
<u>TRI FACILITY ID:</u>	7864WPRCST112EM	<u>DUNS Number:</u>	010541183

List of Document Control Numbers in ENVIROFACTS for the TRI Reporting Year: 2018

- To obtain a Form R Detailed Report for all the Document Control Numbers listed in the table below Click here: [7864WPRCST112EM](#)
- Click on a Document Control Number from the table below to get the Form R Detailed Report.

<u>DOCUMENT CONTROL NUMBER</u>	<u>CHEMICAL NAME</u>
1318217374317	NICKEL
1318217374329	COPPER

1318217374331	CHROMIUM
-------------------------------	----------

Total Number of DCN's retrieved for the Reporting Year 2018 is 3



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- [RCRAInfo Search User Guide](#)
- [Contact Us](#)
- [Office of Resource Conservation and Recovery Home](#)

 RCRAInfo



[Data Disclaimer](#)

RCRAInfo Facility Information

[<< Return](#)

LOCKHART TECHNOLOGIES INC

Handler ID: TXR000027532
1402 INDUSTRIAL BLVD
LOCKHART, TX 78644

County Name: CALDWELL

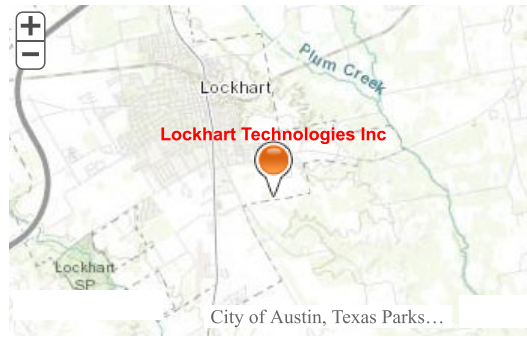
Latitude: 29.870167

Longitude: -97.655039

Hazardous Waste Generator:

Conditionally Exempt Small Quantity
Generator

Owner Name: US TECHNOLOGIES
INC



**You can navigate within the map with your mouse.*

No BIENNIAL REPORT data is available for the facility listed above.

LIST OF FACILITY CONTACTS

<u>NAME</u>	<u>STREET</u>	<u>CITY</u>	<u>STATE</u>	<u>ZIP CODE</u>	<u>PHONE</u>	<u>TYPE OF CONTACT</u>
HELEN DOUGLAS	PO BOX 1170	LOCKHART	TX	78644	512-376- 3334	Public
HELEN DOUGLAS	PO BOX 1170	LOCKHART	TX	78644	512-376- 3334	Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

<u>HANDLER TYPE</u>	<u>LAND DISPOSAL</u>	<u>INCINERATOR</u>	<u>BOILER AND OR INDUSTRIAL FURNACE</u>	<u>STORAGE</u>	<u>TREATMENT</u>

<u>HANDLER TYPE</u>
Conditionally Exempt Small Quantity Generator

No PROCESS INFORMATION is available for the facility listed above.

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

<u>WASTE CODE</u>	<u>WASTE DESCRIPTION</u>
D008	LEAD

[Go To Top Of The Page](#)

Total Number of Facilities Retrieved: 1



- **You are here:** [EPA Home](#)
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RCRAInfo Facility Information

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HENDERSON CONTROLS INC

Handler ID: TXD988087284
 1401 INDUSTRIAL BLVD
 LOCKHART, TX 78644

County Name: CALDWELL

Latitude: 29.87017

Longitude: -97.65504

Hazardous Waste Generator:

Owner Name: HENDERSON CONTROLS INC



**You can navigate within the map with your mouse.*

BIENNIAL REPORT SUMMARY

REPORT YEAR	GENERATION (Tons)	MANAGEMENT (Tons)	WASTE RECEIVED (Tons)	WASTE SHIPPED (Tons)	INCINERATION (Tons)	DISPOSAL (Tons)	ACUTE GENERATION (Tons)
<u>2005</u>	21.3			21.3			
<u>2003</u>							
<u>2001</u>	13.7			13.7			

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
JACK HILL	PO BOX 60	LOCKHART	TX	78644	512-398-7579	Public
PHIL CRAIN					512-295-2217	Permit
PHIL CRAIN	1401 INDUSTRIAL BLVD	LOCKHART	TX	78644	512-295-2217	Permit
PHIL CRAIN	INDUSTRIAL BLVD	LOCKHART	TX	78644	512-295-2217	Permit
PHIL CRAIN	PO BOX 1350	BUDA	TX	78610	512-295-2217	Permit
JACK HILL	PO BOX 60	LOCKHART	TX	78644	512-398-7579	Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE	LAND DISPOSAL	INCINERATOR	BOILER AND OR INDUSTRIAL FURNACE	STORAGE	TREATMENT
--------------	---------------	-------------	----------------------------------	---------	-----------

HANDLER TYPE
Not in a universe

No **PROCESS INFORMATION** is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

<u>NAICS CODE</u>	<u>NAICS DESCRIPTION</u>
332919	OTHER METAL VALVE AND PIPE FITTING MANUFACTURING












LIST OF WASTE CODES AND DESCRIPTIONS

<u>WASTE CODE</u>	<u>WASTE DESCRIPTION</u>
D008	LEAD
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.


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Total Number of Facilities Retrieved: 1



	1000 ft Buffer		Industrial Hazardous Waste (IHW)		IHW Corrective Action
	.5 Mile Buffer		Petroleum Storage Tanks (PST)		Emergency Response
	1.0 Mile Buffer		Leaking PST		Proposed Project Area
	5. Mile Buffer				Proposed Alt Area

One **inactive** Industrial & Hazardous Waste Generator located adjacent to the project area – HCI Prison Facility RN 100649664

Client Name	City of Lockhart	Future Link Technologies 
Contract #	7219231	225 Commons Ford Rd., Suite 123 Austin, TX 78733
Map Information	TCEQ Hazardous Materials Map	512-443-4100
Date	May 20	Environmental Service Provider

Central Registry Query - Regulated Entity Search Results List

The regulated entity name search looks for current and prior customer names. Therefore, the result list could return a name that doesn't exactly match the search criteria.

Your Search Returned **25** Records. Click on a column name to change the sort or a RN to view the regulated entity information.

1-25 of 25 Records

RN Number	Regulated Entity Name ▲	County	Location
RN100660000	APPLE	CALDWELL	303 W SAN ANTONIO ST LOCKHART TX 78644 2655
RN102908399	AT&T	CALDWELL	RURAL ROUTE LOCKHART TX 78644
RN101921476	CITY OF LOCKHART LANDFILL	CALDWELL	0.3 MLES W OF US HIGHWAY 183 2 MILES S OF LOCKHART
RN100571777	CLASSY CLEANERS PLUM CREEK	CALDWELL	1710 S COLORADO ST LOCKHART TX 78644 3999
RN100649664	HCI PRISON FACILITY	CALDWELL	1401 E MLK JR INDUSTRIAL BLVD LOCKHART TX 78644 3701
RN104380118	JOHNNY & SONS PAINT & BODY SHOP	CALDWELL	400 E FM 20 LOCKHART TX 78644 3728
RN100623560	KEWAUNEE SCIENTIFIC	CALDWELL	1300 E FM 20 LOCKHART TX 78644 3768
RN100662725	LOCKHART HOSPITAL	CALDWELL	901 BOIS DARC ST LOCKHART TX 78644 2058
RN102853884	LOCKHART HOSPITAL	CALDWELL	901 BOIS D ARC ST LOCKHART TX 78644 2058
RN100704378	LOCKHART TIRE & AUTO SERVICE	CALDWELL	300 S COMMERCE ST LOCKHART TX 78644 2760
RN106157449	LOCKHART WALMART STORE 292-04	CALDWELL	1904 S COLORADO ST LOCKHART TX 78644 3949
RN104649504	LOWER COLORADO RIVER AUTHORITY LCRA LOCKHART SUBSTATION	CALDWELL	701 E FM 20 LOCKHART TX 78644 3757
RN103044319	M B	CALDWELL	CO RD 176 11 MILES NOR LOCKHART TX 78644
RN105371892	MUSTANG MENDEZ SERVICES	CALDWELL	1124 N BLANCO ST LOCKHART TX 78644 1711
RN106779416	ONEOK	CALDWELL	216 BUFKIN LN LOCKHART TX 78644 4006
RN102152352	PHILLIPS 66	CALDWELL	101 N COLORADO ST LOCKHART TX 78644 2109
RN103099529	PRAIRIE LEA COMPRESSOR STATION	CALDWELL	117 MAIN ST LOCKHART TX 78644
RN105365969	SCHMIDT & SONS LOCKHART DIESEL SPILL	CALDWELL	APPROX .25 MILE SOUTH OF INT OF HWY 183 & OAK TRAIL RD AT ROADSIDE PARK
RN105934103	SH130 - PARCEL 633 - LOCKHART	CALDWELL	SO-BD SIDE US HWY 183 APPROX 1.2 M N OF INTERSEC US HWY 183 FM 2001
RN100532209	STONE RECYCLING LOCKHART	CALDWELL	300 S COMMERCE ST LOCKHART TX 78644 2760
RN101997492	TEXAS RECYCLING	CALDWELL	HWY 183 N
RN101701050	TXDOT LOCKHART MAINTENANCE WAREHOUSE	CALDWELL	1315 N BLANCO ST LOCKHART TX 78644 1504
RN110480035	VISIONARY FIBER TECHNOLOGIES	CALDWELL	1400 BLACKJACK ST LOCKHART TX 78644 4901
RN102159522	WAL-MART 292	CALDWELL	1703 S COLORADO ST LOCKHART TX 78644 3941
RN100681378	YANCEY PRODUCTS	CALDWELL	1322 HONDO ST LOCKHART TX 78644 1548

1-25 of 25 Records

The following search criteria was entered:

Program Area: IHW
City: LOCKHART

Central Registry Query - Regulated Entity Information

Regulated Entity Information

RN Number: RN100649664

Name: HCI PRISON FACILITY [View Prior Names](#)

Primary Business: No primary business description on file.

Street Address: 1401 E MLK JR INDUSTRIAL BLVD, LOCKHART TX 78644 3701

County: CALDWELL

Nearest City: No near city on file.

State: TX

Near ZIP Code: 78644

Physical Location: TURN EAST ON HWY 20 FROM US HWY 183, RIGHT ON INDUSTRIAL BLVD .25 MILE PAST SERTA FACTORY, LOCATED AT END OF CULDESAC

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
CN603394743	HENDERSON CONTROLS INC	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 **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
INDUSTRIAL AND HAZARDOUS WASTE	EPA ID	TXD988087284	INACTIVE
INDUSTRIAL AND HAZARDOUS WASTE	SOLID WASTE REGISTRATION # (SWR)	81020	INACTIVE



	1000 ft Buffer		Industrial Hazardous Waste (IHW)		IHW Corrective Action
	.5 Mile Buffer		Petroleum Storage Tanks (PST)		Emergency Response
	1.0 Mile Buffer		Leaking PST		Proposed Project Area
	5. Mile Buffer				Proposed Alt Area

One **inactive** above ground storage tank adjacent to the proposed project area. LCRA (Lockhart 274) Substation RN103972139.

Client Name	City of Lockhart	Future Link Technologies 
Contract #	7219231	225 Commons Ford Rd., Suite 123 Austin, TX 78733
Map Information	TCEQ Hazardous Materials Map	512-443-4100
Date	May 20	Environmental Service Provider

Central Registry Query - Regulated Entity Search Results List

The regulated entity name search looks for current and prior customer names. Therefore, the result list could return a name that doesn't exactly match the search criteria.

Your Search Returned **65** Records. Click on a column name to change the sort or a RN to view the regulated entity information.

Page **1** [2](#) > **1-50** of **65** Records

RN Number	Regulated Entity Name ▲	County	Location
RN102856838	ADAM HARWOOD	CALDWELL	509 E MARKET ST LOCKHART TX 78644 2809
RN101488419	ANDREWARTHA	CALDWELL	118 N MAIN ST LOCKHART TX 78644 2120
RN101489052	BERGSTROM AFB TVOR ANNEX	CALDWELL	OLD LOCKHART
RN101491165	BROWNSBORO ENTERPRISES	CALDWELL	1406 S COMMERCE ST LOCKHART TX 78644 3458
RN107207946	BRUCE FRANK RENTALS	CALDWELL	10605 S HWY 183 LOCKHART TX 78644 4916
RN101493294	CALDWELL COUNTY UNIT RD SYSTEM	CALDWELL	1700 FM 2720 LOCKHART TX 78644 3789
RN102350808	CENTRAL TEXAS HIGHWAY CONSTRUCTORS	CALDWELL	1914 BORCHERT DR LOCKHART TX 78644 4820
RN110063203	CENTRAL TEXAS REFUSE LOCKHART	CALDWELL	1415 S COMMERCE ST LOCKHART TX 78644 3400
RN101493633	CHARLES VERNON	CALDWELL	US 183 & SH 21
RN102004967	CITY OF LOCKHART PUBLIC WORKS FACILITY	CALDWELL	705 WICHITA ST LOCKHART TX 78644 2011
RN103076170	CONNOLLY & VOIGT FIRESTONE	CALDWELL	301 S COLORADO ST LOCKHART TX 78644 2765
RN101499762	CORNER FOOD MART	CALDWELL	531 W SAN ANTONIO ST LOCKHART TX 78644 2638
RN101699866	DAWSON PERRY-LORAIN HARRISON	CALDWELL	201 S COLORADO LOCKHART TX 78644
RN101153849	DURAN GRAVEL	CALDWELL	535 LOVERS LN LOCKHART TX 78644 3749
RN101489425	EMPTY LOT	CALDWELL	200 S COLORADO ST LOCKHART TX 78644 2733
RN101632354	EMPTY LOT	CALDWELL	304 W SAN ANTONIO ST LOCKHART TX 78644 2656
RN101491603	EVANS TILE	CALDWELL	US 183
RN101643815	FOOD STORE	CALDWELL	1325 S COLORADO ST LOCKHART TX 78644 3903
RN106278203	FRANKS WATER PUMP RENTALS	CALDWELL	15605 US 183 S LOCKHART TX 78644
RN101497105	FREEMAN RANCH SUPPLY	CALDWELL	FM 713 HWY 86
RN101497964	HANSON EQUIPMENT	CALDWELL	1412 S COLORADO ST LOCKHART TX 78644 3940
RN101499382	HEB 445	CALDWELL	403 S COLORADO ST LOCKHART TX 78644 2702
RN101494243	HENRYS GROCERY	CALDWELL	600 N PECOS ST LOCKHART TX 78644 2032
RN101490571	HENSLEE AUTO PARTS	CALDWELL	HWY 183
RN101490399	HOLLAND SALES & SERVICE REPAIR	CALDWELL	400 S MAIN ST LOCKHART TX 78644 2719
RN102277001	HOMANN CALVIN E	CALDWELL	103 N COLORADO ST LOCKHART TX 78644 2109
RN101643344	JET STOP	CALDWELL	1206 S COLORADO ST LOCKHART TX 78644 3424
RN101510402	JP JONES OIL	CALDWELL	PATTON & PARK
RN101495570	JUDI STIVERS	CALDWELL	410 S MAIN ST LOCKHART TX 78644 2719
RN102347853	LION MART 1 TX0334	CALDWELL	4887 N US HIGHWAY 183 LOCKHART TX 78644 4551
RN102371671	LION MART 2 TX0304	CALDWELL	1706 S HWY 183 LOCKHART TX 78644 3937
RN101510543	LIVENGOOD FEEDS	CALDWELL	319 E PECAN ST LOCKHART TX 78644 2165
RN101647071	LIVENGOOD FEEDS	CALDWELL	206 N BRAZOS ST LOCKHART TX 78644 2100

RN104392121	LOCKHART	CALDWELL	W OF 183 5 9 MI & 2 MI
RN105000384	LOCKHART 398	CALDWELL	309 W SAN ANTONIO ST LOCKHART TX 78644 2655
RN101510337	LOCKHART EXXON	CALDWELL	112 S COLORADO ST LOCKHART TX 78644 2731
RN110483401	LOCKHART FUEL EXPRESS	CALDWELL	2111 W SAN ANTONIO ST LOCKHART TX 78644 2177
RN101491462	LOCKHART GROCERY	CALDWELL	1317 N COLORADO ST LOCKHART TX 78644 1508
RN102281029	LOCKHART IMPLEMENT	CALDWELL	307 E MARKET ST LOCKHART TX 78644 2750
RN101491207	LOCKHART ISD	CALDWELL	401 CARVER ST LOCKHART TX 78644 2227
RN102346202	LOCKHART MARKET	CALDWELL	730 S COLORADO ST LOCKHART TX 78644 3104
RN101433332	LOCKHART MUNICIPAL AIRPORT	CALDWELL	2105 S COLORADO ST LOCKHART TX 78644
RN103972139	LOCKHART NO 274	CALDWELL	1422 S COMMERCE ST LOCKHART TX 78644 3458
RN101489151	LOCKHART OIL	CALDWELL	303 S MAIN ST LOCKHART TX 78644 2762
RN106157449	LOCKHART WALMART STORE 292-04	CALDWELL	1904 S COLORADO ST LOCKHART TX 78644 3949
RN108903048	LOCKHART YARD	CALDWELL	1510 FM 1185 LOCKHART TX 78644 4484
RN102893310	MAINTENANCE FACILITY	CALDWELL	1505 N COLORADO ST LOCKHART TX 78644 1530
RN106584683	MURPHY USA 7523	CALDWELL	1910 S COLORADO ST LOCKHART TX 78644 3949
RN101510006	N&N FARM	CALDWELL	3 MI S W HWY 21 RD 178
RN101642056	NIX MART	CALDWELL	1104 N COLORADO ST LOCKHART TX 78644 1763

Page 1 2 > 1-50 of 65 Records

The following search criteria was entered:

Program Area: PSTREG

City: LOCKHART

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Central Registry Query - Regulated Entity Search Results List

The regulated entity name search looks for current and prior customer names. Therefore, the result list could return a name that doesn't exactly match the search criteria.

Your Search Returned **65** Records. Click on a column name to change the sort or a RN to view the regulated entity information.

Page < 1 2 51-65 of 65 Records

RN Number	Regulated Entity Name ▲	County	Location
RN106550544	PARCEL 477D	CALDWELL	NORTH OF LOCKHART
RN101492213	PARK PLAZA MARKET	CALDWELL	1100 STATE PARK RD LOCKHART TX 78644 3825
RN101491389	PFEIFFER DISTRIBUTING	CALDWELL	1001 E FM 20 LOCKHART TX 78644 3763
RN102152352	PHILLIPS 66	CALDWELL	101 N COLORADO ST LOCKHART TX 78644 2109
RN101434876	PIC N PAC 6	CALDWELL	835 S COLORADO ST LOCKHART TX 78644 3415
RN102236148	PIONEER OIL	CALDWELL	LAREDO & COLORADO
RN106422082	SH130 YARD	CALDWELL	2405 OLD FENTRESS RD LOCKHART TX 78644 2969
RN102027679	SHOPPERS STOP	CALDWELL	930 S COLORADO ST LOCKHART TX 78644 3418
RN102374006	SIGMOR NO 507	CALDWELL	510 W SAN ANTONIO ST LOCKHART TX 78644 2659
RN106439888	SIPES	CALDWELL	1405 BROWNSBORO RD LOCKHART TX 78644
RN101497519	TED CHILDRESS	CALDWELL	RT 2
RN101495414	TERRELL E CLARK	CALDWELL	1032 CLARK LOOP LOCKHART TX 78644 3751
RN101696466	TERRELL T MCGEE	CALDWELL	612 STATE PARK RD LOCKHART TX 78644 3815
RN101701050	TXDOT LOCKHART MAINTENANCE WAREHOUSE	CALDWELL	1315 N BLANCO ST LOCKHART TX 78644 1504
RN102159522	WAL-MART 292	CALDWELL	1703 S COLORADO ST LOCKHART TX 78644 3941

Page < 1 2 51-65 of 65 Records

The following search criteria was entered:

Program Area: PSTREG

City: LOCKHART

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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 59308**

For: **BROWNSBORO ENTERPRISES (RN101491165)**

1406 S COMMERCE ST, LOCKHART

Registration Status: **INACTIVE**

Held by: **BROWNSBORO ENTERPRISES INC (CN600779862)** [View 'Issued To' History](#)

OWNER Since 08/08/1991 [View Compliance History](#)

Now Known As: **Brownsboro Enterprises, Inc.**

Mailing Address: 1406 S COMMERCE ST LOCKHART, TX 78644 -3458

Financial Assurance

None

Self-Certification Status by Compartment

None

Registered Tanks and Their Associated Systems

Table 1. Underground Storage Tank Summary [View Aboveground Storage Tanks](#)

Tank	Capacity (Gallon)	Date Installed	Status	Substance Stored	Related Information
No Underground Storage Tank information exist for the facility					

Table 6. Aboveground Storage Tanks

Tank	Capacity	Status	Date Installed	Date Registered	Out of Use	Substance Stored	Material Of Construction	Containment	Vapor Recovery
1	999	In Use	08/31/1989	08/06/1991		Diesel	Steel		Stage 1: Not Reported

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 89613**

For: **CENTRAL TEXAS REFUSE LOCKHART (RN110063203)**

1415 S COMMERCE ST, LOCKHART

Registration Status: **ACTIVE**

Held by: **Central Texas Refuse, Inc. (CN601236300)** [View 'Issued To' History](#)
OPERATOR Since 12/04/2017 [View Compliance History](#)

Now Known As: **Ff Ctr Holdings, Inc.**

Mailing Address: PO BOX 18685 AUSTIN, TX 78760 -8685

Held by: **Arnold Oil Company of Austin, L.P. (CN602291528)** [View 'Issued To' History](#)
OWNER Since 12/04/2017 [View Compliance History](#)

Mailing Address: PO BOX 18089 AUSTIN, TX 78760 -8089

Financial Assurance

None

Self-Certification Status by Compartment

None

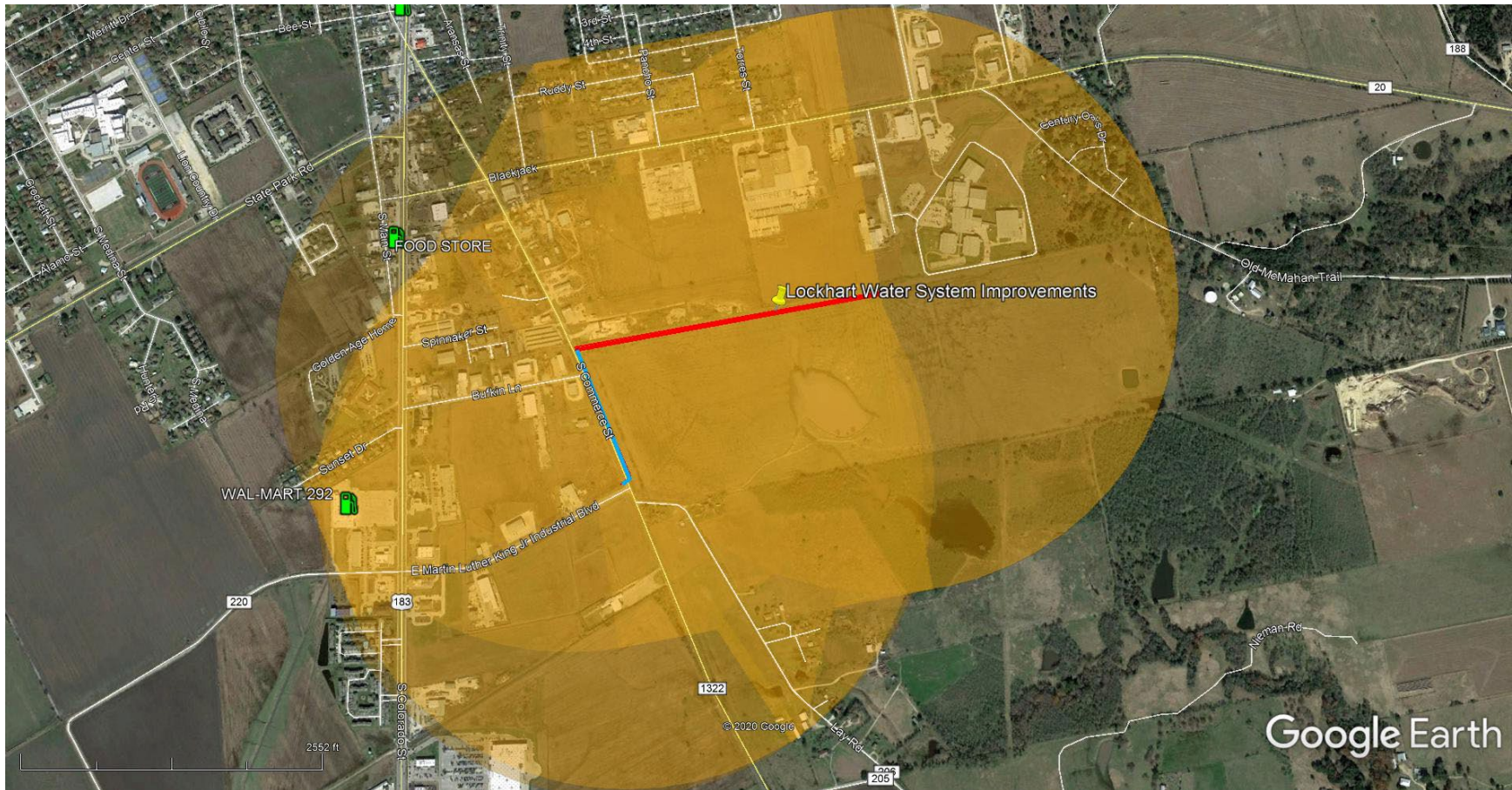
Registered Tanks and Their Associated Systems












Table 1. Underground Storage Tank Summary [View Aboveground Storage Tanks](#)

Tank	Capacity (Gallon)	Date Installed	Status	Substance Stored	Related Information
No Underground Storage Tank information exist for the facility					


Table 6. Aboveground Storage Tanks

Tank	Capacity	Status	Date Installed	Date Registered	Out of Use	Substance Stored	Material Of Construction	Containment	Vapor Recovery
2kdw000338	2000	In Use	12/21/2017	12/11/2017		Diesel	Steel		Stage 1: Not Reported



 1000 ft Buffer	 Industrial Hazardous Waste (IHW)	 IHW Corrective Action
 .5 Mile Buffer	 Petroleum Storage Tanks (PST)	 Emergency Response
 1.0 Mile Buffer	 Leaking PST	 Proposed Project Area
 5. Mile Buffer		 Proposed Alt Area

Two **inactive** Leaking Petroleum Storage Tanks within .5 miles – Food Store RN101643815 and Walmart 292 RN102159522

Client Name	City of Lockhart	Future Link Technologies 
Contract #	7219231	225 Commons Ford Rd., Suite 123 Austin, TX 78733
Map Information	TCEQ Hazardous Materials Map	512-443-4100
Date	May 20	Environmental Service Provider

Central Registry Query - Regulated Entity Search Results List

The regulated entity name search looks for current and prior customer names. Therefore, the result list could return a name that doesn't exactly match the search criteria.

Your Search Returned **14** Records. Click on a column name to change the sort or a RN to view the regulated entity information.

1-14 of 14 Records

RN Number	Regulated Entity Name ▲	County	Location
RN103076170	CONNOLLY & VOIGT FIRESTONE	CALDWELL	301 S COLORADO ST LOCKHART TX 78644 2765
RN101643815	FOOD STORE	CALDWELL	1325 S COLORADO ST LOCKHART TX 78644 3903
RN101494243	HENRYS GROCERY	CALDWELL	600 N PECOS ST LOCKHART TX 78644 2032
RN101490571	HENSLEE AUTO PARTS	CALDWELL	HWY 183
RN101510337	LOCKHART EXXON	CALDWELL	112 S COLORADO ST LOCKHART TX 78644 2731
RN101489151	LOCKHART OIL	CALDWELL	303 S MAIN ST LOCKHART TX 78644 2762
RN106982887	LOCKHART WELL SERVICE	CALDWELL	104 REYNOLDS ST LOCKHART TX 78644 1701
RN101642056	NIX MART	CALDWELL	1104 N COLORADO ST LOCKHART TX 78644 1763
RN102152352	PHILLIPS 66	CALDWELL	101 N COLORADO ST LOCKHART TX 78644 2109
RN106973779	POSSIBLE IMPACT TO TOWN CREEK	CALDWELL	N BRAZOS LOCKHART TX 78644
RN102027679	SHOPPERS STOP	CALDWELL	930 S COLORADO ST LOCKHART TX 78644 3418
RN102374006	SIGMOR NO 507	CALDWELL	510 W SAN ANTONIO ST LOCKHART TX 78644 2659
RN101701050	TXDOT LOCKHART MAINTENANCE WAREHOUSE	CALDWELL	1315 N BLANCO ST LOCKHART TX 78644 1504
RN102159522	WAL-MART 292	CALDWELL	1703 S COLORADO ST LOCKHART TX 78644 3941

1-14 of 14 Records

The following search criteria was entered:

Program Area: LPSTRMD

City: LOCKHART

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Central Registry Query - Regulated Entity Information

Regulated Entity Information

RN Number: RN101643815

Name: FOOD STORE [View Prior Names](#)

Primary Business: RETAIL

Street Address: 1325 S COLORADO ST, LOCKHART TX 78644 3903

County: CALDWELL

Nearest City: LOCKHART

State: TX

Near ZIP Code: 78644



Physical Location: US HWY 183 S

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
CN600781405	SMALL BUSINESS ADMINISTRATION	OWNER	
CN604270132	MIRAYA INVESTMENTS LLC	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 **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	99320	INACTIVE
PETROLEUM STORAGE TANK REGISTRATION	REGISTRATION	57666	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: **Leaking Petroleum Storage Tanks Remediation ID Number 99320**

For: **FORMER JONES FOOD MART (RN101643815)**

1325 S COLORADO ST, LOCKHART

ID Number Status: **INACTIVE**

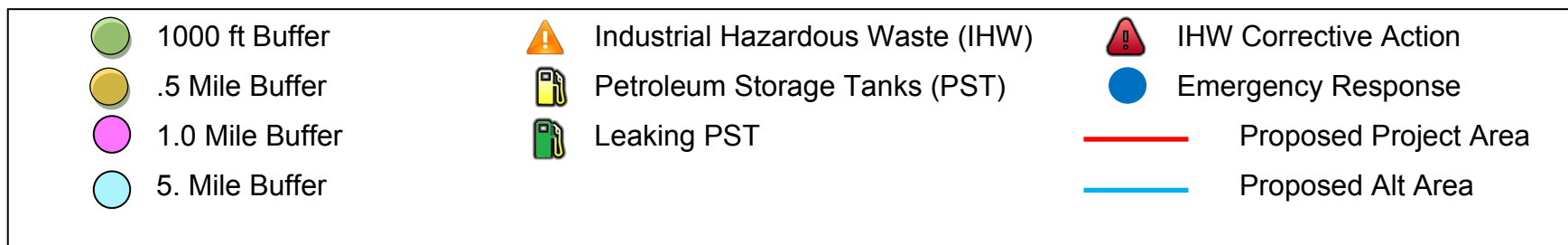
Responsible Parties: **Small Business Administration (CN600781405)** [View Compliance History](#)

Mailing Address: 7301 SOUTHWEST FWY STE 550 HOUSTON, TX 77074 -


Legal	Description	Start Date	End Date	Type	Status	Status Date
99320	LEAKING PETROLEUM STORAGE TANK	06/21/1991	07/19/1991	CLEANUP	INACTIVE	07/19/1991

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One inactive

Client Name	City of Lockhart	Future Link Technologies 
Contract #	7219231	225 Commons Ford Rd., Suite 123 Austin, TX 78733
Map Information	TCEQ Hazardous Materials Map	512-443-4100
Date	May 20	Environmental Service Provider

Central Registry Query - Regulated Entity Search Results List

The regulated entity name search looks for current and prior customer names. Therefore, the result list could return a name that doesn't exactly match the search criteria.

Your Search Returned **3** Records. Click on a column name to change the sort or a RN to view the regulated entity information.

1-3 of 3 Records

RN Number	Regulated Entity Name ▲	County	Location
RN104649504	LOWER COLORADO RIVER AUTHORITY LCRA LOCKHART SUBSTATION	CALDWELL	701 E FM 20 LOCKHART TX 78644 3757
RN105365969	SCHMIDT & SONS LOCKHART DIESEL SPILL	CALDWELL	APPROX .25 MILE SOUTH OF INT OF HWY 183 & OAK TRAIL RD AT ROADSIDE PARK
RN105934103	SH130 - PARCEL 633 - LOCKHART	CALDWELL	SO-BD SIDE US HWY 183 APPROX 1.2 M N OF INTERSEC US HWY 183 FM 2001

1-3 of 3 Records

The following search criteria was entered:

Program Area: IHWCA

City: LOCKHART

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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: **IHW Corrective Action ID Number T1816**

For: **LOWER COLORADO RIVER AUTHORITY LCRA LOCKHART SUBSTATION**
(**RN104649504**)

701 E FM 20, LOCKHART

ID Number Status: **INACTIVE**

Responsible Parties: **Lower Colorado River Authority (CN600253637)** Since 11/22/2002

Mailing Address: PO BOX 220 AUSTIN, TX 78767 -0220

Legal	Description	Start Date	End Date	Type	Status	Status Date
T1816	IHW CORRECTIVE ACTION	11/22/2002		CLEANUP	INACTIVE	07/20/2005

Tracking No.	Type	Value	Start Date	End Date
9317497	ADMINISTRATIVE STATUS	INACTIVE	07/20/2005	
10533470	PROJECT MANAGER	KEWILSON	03/02/2004	
1062996	PROJECT MANAGER	CLIU	01/07/2002	03/02/2004

Physical	Description	Start Date	Type	Status	Status Date
LOWER COLORADO RIVER AUTHORITY LCRA LOCKHART SUBSTATION		01/01/1901	IHW CA	TRANSFERRED	07/20/2005

Tracking No.	Type	Value	Start Date	End Date
9338763	PROJECT PHASE	TRANSFERRED	07/20/2005	
1216246	APPLICABLE PROGRAM RULES	TRRP	09/30/2014	
1210667	CURRENT FACILITY TYPE	UTILITY	01/01/1901	
9328846	SOURCE OF RELEASE	ON SITE SOILS - Rule: TRRP Std: A Tier: 1	01/01/1901	
1231339	SOILS CHEMICAL OF CONCERN CLASSIFICATION	OTHER	01/01/1901	
1230900	SOIL INDIVIDUAL CHEMICALS REQUIRING REMEDY	POLYCHLORINATED BIPHENYLS (PCBS)	01/01/1901	

[Query Home](#)[Customer Search](#)[RE Search](#)[ID Search](#)[Search Results](#)[ID Number Detail](#)[TCEQ Home](#)

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: **IHW Corrective Action ID Number T1816**

For: **LOWER COLORADO RIVER AUTHORITY LCRA LOCKHART SUBSTATION (RN104649504)**

701 E FM 20, LOCKHART

ID Number Status: **INACTIVE**

Responsible Parties: **Lower Colorado River Authority (CN600253637)** Since 11/22/2002

Mailing Address: PO BOX 220 AUSTIN, TX 78767 -0220

Correspondence Tracking

Tracking No.	Received/Sent	Direction	Type	Subject	Due Date	End Date	Document Date	Method
11034883	07/20/2005	OUTGOING	GENERAL	W/D FROM TCEQ OVERSIGHT BY EPA FOR 7 LCRA SITES		07/20/2005		
11001878	06/10/2005	OUTGOING	PROCEED			06/10/2005		
10919535	03/14/2005	INCOMING	TECHNICAL CORRESPONDENCE	RESPONSE TO COMMENTS TO REVISED APAR RAP	06/12/2005	06/10/2005	03/03/2005	
10749667	09/17/2004	OUTGOING	REQUEST FOR INFORMATION			09/17/2004		
10592481	05/04/2004	OUTGOING	REQUEST FOR INFORMATION			05/04/2004		
10412016	11/25/2003	OUTGOING	COMMENTS/NOD			11/25/2003		
10308334	08/12/2003	INCOMING	APAR REV	DRAFT APAR LOCKHART SUBSTATION 3/03	12/10/2003	11/25/2003	08/11/2003	OVERNIGHT
10209840	12/19/2002	OUTGOING	GENERAL			12/19/2002		USPS
1106889	08/22/2002	OUTGOING	COMMENTS/NOD			08/22/2002		USPS
1081136	07/18/2002	INCOMING	RACR A	RESPONSE ACTION COMPLETION RPT 7/02	01/14/2003	08/22/2002	07/16/2002	USPS
1081137	07/18/2002	INCOMING	APAR	APAR 7/02	11/15/2002	08/22/2002	07/16/2002	USPS
1104161	01/14/2002	OUTGOING	PROCEED			01/14/2002		USPS
1078408	01/04/2002	INCOMING	SIN	SELF IMPLEMENTATION NOTICE	02/03/2002	01/14/2002	01/03/2002	USPS

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 Statewide Links: Texas.gov | Texas Homeland Security | TRAIL Statewide Archive | Texas Veterans Portal

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ATTACHMENT 7

Endangered Species

- U. S. Fish & Wildlife Endangered Species IPAC Report
- Texas Parks and Wildlife Department List of Rare, Threatened and Endangered Species
- Texas Parks and Wildlife Natural Diversity Database (TXNDD) Mapping of Rare, Threatened and Endangered Resources
- Texas Parks and Wildlife Correspondence

Endangered Species Act (CEST and EA)

General requirements	ESA Legislation	Regulations
Section 7 of the Endangered Species Act (ESA) mandates that federal agencies ensure that actions that they authorize, fund, or carry out shall not jeopardize the continued existence of federally listed plants and animals or result in the adverse modification or destruction of designated critical habitat. Where their actions may affect resources protected by the ESA, agencies must consult with the Fish and Wildlife Service and/or the National Marine Fisheries Service (“FWS” and “NMFS” or “the Services”).	The Endangered Species Act of 1973 (16 U.S.C. 1531 <i>et seq.</i>); particularly section 7 (16 USC 1536).	50 CFR Part 402
References		
https://www.hudexchange.info/environmental-review/endangered-species		

1. Does the project involve any activities that have the potential to affect species or habitats?

No, the project will have No Effect due to the nature of the activities involved in the project.
 → *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.*

No, the project will have No Effect based on a letter of understanding, memorandum of agreement, programmatic agreement, or checklist provided by local HUD office.
 Explain your determination:

→ *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, the activities involved in the project have the potential to affect species and/or habitats. → *Continue to Question 2.*

2. Are federally listed species or designated critical habitats present in the action area?

Obtain a list of protected species from the Services. This information is available on the [FWS Website](#) or you may contact your [local FWS](#) and/or [NMFS](#) offices directly.

No, the project will have No Effect due to the absence of federally listed species and designated critical habitat.

→ *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. Documentation*

may include letters from the Services, species lists from the Services' websites, surveys or other documents and analysis showing that there are no species in the action area.

- Yes, there are federally listed species or designated critical habitats present in the action area. → *Continue to Question 3.*

3. What effects, if any, will your project have on federally listed species or designated critical habitat?

- No Effect: Based on the specifics of both the project and any federally listed species in the action area, you have determined that the project will have absolutely no effect on listed species or critical habitat.

→ *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. Documentation should include a species list and explanation of your conclusion, and may require maps, photographs, and surveys as appropriate.*

- May Affect, Not Likely to Adversely Affect: Any effects that the project may have on federally listed species or critical habitats would be beneficial, discountable, or insignificant.

→ *Continue to Question 4, Informal Consultation.*

- Likely to Adversely Affect: The project may have negative effects on one or more listed species or critical habitat.

→ *Continue to Question 5, Formal Consultation.*

4. Informal Consultation is required

Section 7 of ESA (16 USC. 1536) mandates consultation to resolve potential impacts to endangered and threatened species and critical habitats. If a HUD-assisted project may affect any federally listed endangered or threatened species or critical habitat, then compliance is required with Section 7. See 50 CFR Part 402 Subpart B Consultation Procedures.

Did the Service(s) concur with the finding that the project is Not Likely to Adversely Affect?

- Yes, the Service(s) concurred with the finding.

→ *Based on the response, the review is in compliance with this section. Continue to Question 6 and provide the following:*

- (1) A biological evaluation or equivalent document*
- (2) Concurrence(s) from FWS and/or NMFS*
- (3) Any other documentation of informal consultation*

Exception: If finding was made based on procedures provided by a letter of understanding, memorandum of agreement, programmatic agreement, or checklist provided by local HUD office, provide whatever documentation is mandated by that agreement.

No, the Service(s) did not concur with the finding. → Continue to Question 5.

5. Formal consultation is required

Section 7 of ESA (16 USC 1536) mandates consultation to resolve potential impacts to federally listed endangered and threatened species and critical habitats. If a HUD assisted project may affect any endangered or threatened species or critical habitat, then compliance is required with Section 7. See 50 CFR Part 402 Subpart B Consultation Procedures.

→ Once consultation is complete, the review is in compliance with this section. Continue to Question 6 and provide the following:

- (1) A biological assessment, evaluation, or equivalent document
- (2) Biological opinion(s) issued by FWS and/or NMFS
- (3) Any other documentation of formal consultation

6. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the proposed measures that will be implemented to mitigate for the impact or effect, including the timeline for implementation.

Mitigation as follows will be implemented:

No mitigation is necessary.

Explain why mitigation will not be made here:

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 is consistent with this item

While there is no indication of any endangered species located at the project site, the project was submitted to TPWD for consultation on 4/12/20. The project activities may represent endangerment to wildlife as construction will include trenching. While no mitigation measures are expected to be necessary for migratory birds, it is recommended that the site be checked for nests prior to construction avoiding construction disturbance from a minimum zone of 100 meters surrounding any raptor nest February 1 through July 15. Clearing vegetated areas for construction between March to August will include an examination prior to construction to ensure that no nests with eggs or young will be disturbed by construction. If any nests are discovered in vegetation or bare ground within at least 25 feet of occupied nests avoid disturbance until the eggs have hatched and the young have fledged.

Industry specific mitigation measures will be applied to return the area to its original condition and precautions taken to maintain minimal disturbance within the construction area including best management practices to prevent construction runoff through berming and silt fencing installed to prevent unintended capture of any species. It is also recommended that open trenches be covered at night to prevent accidental capture. A review of the site daily to prevent accidental capture is also recommended.

Are formal compliance steps or mitigation required?

Yes

No

IPaC Information for Planning and Consultation **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Caldwell County, Texas



Local office

Austin Ecological Services Field Office

☎ (512) 490-0057

📅 (512) 490-0974

10711 Burnet Road, Suite 200

Austin, TX 78758-4460

<http://www.fws.gov/southwest/es/AustinTexas/>

<http://www.fws.gov/southwest/es/EndangeredSpecies/lists/>

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species

¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

-
1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information.
 2. [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.

The following species are potentially affected by activities in this location:

Birds

NAME	STATUS
<p>Least Tern <i>Sterna antillarum</i></p> <p>This species only needs to be considered if the following condition applies:</p> <ul style="list-style-type: none"> • Wind Energy Projects <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8505</p>	Endangered
<p>Piping Plover <i>Charadrius melodus</i></p> <p>This species only needs to be considered if the following condition applies:</p> <ul style="list-style-type: none"> • Wind Energy Projects <p>There is final critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/6039</p>	Threatened
<p>Red Knot <i>Calidris canutus rufa</i></p> <p>This species only needs to be considered if the following condition applies:</p> <ul style="list-style-type: none"> • Wind Energy Projects <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1864</p>	Threatened
<p>Whooping Crane <i>Grus americana</i></p> <p>There is final critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/758</p>	Endangered

Clams

NAME	STATUS
<p>Texas Fatmucket <i>Lampsilis bracteata</i></p> <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9041</p>	Candidate
<p>Texas Fawnsfoot <i>Truncilla macrodon</i></p> <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8965</p>	Candidate
<p>Texas Pimpleback <i>Quadrula petrina</i></p> <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8966</p>	Candidate

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act

[1](#) and the Bald and Golden Eagle Protection Act².

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.

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

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 (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

Harris's Sparrow *Zonotrichia querula*

Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Red-headed Woodpecker *Melanerpes erythrocephalus*

Breeds May 10 to Sep 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

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](#) and/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 migratory birds potentially occurring 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 [AKN Phenology 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, migrating or present year-round in my project 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 refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). 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.

Facilities

National Wildlife Refuge lands

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 AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

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](#).

THERE ARE NO KNOWN WETLANDS AT THIS LOCATION.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

From: [WHAB](#)
To: mharmon@future-link.biz
Cc: [WHAB](#)
Subject: TPWD has received your project review request
Date: Sunday, April 12, 2020 2:51:07 PM

This is an automated message to inform you that the Wildlife Habitat Assessment (WHAB) program has received your email. Please note that responses to requests for project review generally take **approximately 45 days** to complete, and project schedules should accommodate the review timeline. Responses may be delayed due to workload and lack of staff. If you wish to speak to the biologist who will review your project, please visit http://www.tpwd.state.tx.us/huntwild/wild/wildlife_diversity/habitat_assessment/media/whab_map.jpg for a staff directory by area of responsibility. Thank you.

Last Update: 3/4/2020

CALDWELL COUNTY

AMPHIBIANS

Houston toad

Anaxyrus houstonensis

Terrestrial and aquatic: Primary terrestrial habitat is forests with deep sandy soils. Juveniles and adults are presumed to move through areas of less suitable soils using riparian corridors. Aquatic habitats can include any water body from a tire rut to a large lake.

Federal Status: LE

State Status: E

SGCN: Y

Endemic: Y

Global Rank: G1

State Rank: S1

San Marcos salamander

Eurycea nana

Aquatic; springs and associated water.

Federal Status: LT

State Status: T

SGCN: Y

Endemic: Y

Global Rank: G1

State Rank: S1

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

Texas blind salamander

Eurycea rathbuni

Aquatic and subterranean; streams and caves.

Federal Status: LE

State Status: E

SGCN: Y

Endemic: Y

Global Rank: G1

State Rank: S1

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: T

SGCN: Y

Endemic: N

Global Rank: G5

State Rank: S3B,S3N

DISCLAIMER

The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information.

CALDWELL COUNTY

BIRDS

black rail *Laterallus jamaicensis*

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

Franklin's gull *Leucophaeus pipixcan*

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

interior least tern *Sternula antillarum athalassos*

Sand beaches, flats, bays, inlets, lagoons, islands. Subspecies is listed only when inland (more than 50 miles from a coastline); nests along sand and gravel bars within braided streams, rivers; also know to nest on man-made structures (inland beaches, wastewater treatment plants, gravel mines, etc); eats small fish and crustaceans, when breeding forages within a few hundred feet of colony

Federal Status: LE State Status: E SGCN: Y
Endemic: N Global Rank: G4T3Q State Rank: S1B

mountain plover *Charadrius montanus*

Breeding: nests on high plains or shortgrass prairie, on ground in shallow depression; nonbreeding: shortgrass plains and bare, dirt (plowed) fields; primarily insectivorous

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

piping plover *Charadrius melodus*

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

red knot *Calidris canutus rufa*

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CALDWELL COUNTY

BIRDS

Red knots migrate long distances in flocks northward through the contiguous United States mainly April-June, southward July-October. A small plump-bodied, short-necked shorebird that in breeding plumage, typically held from May through August, is a distinctive and unique pottery orange color. Its bill is dark, straight and, relative to other shorebirds, short-to-medium in length. After molting in late summer, this species is in a drab gray-and-white non-breeding plumage, typically held from September through April. In the non-breeding plumage, the knot might be confused with the omnipresent Sanderling. During this plumage, look for the knot's prominent pale eyebrow and whitish flanks with dark barring. The Red Knot prefers the shoreline of coast and bays and also uses mudflats during rare inland encounters. Primary prey items include coquina clam (*Donax* spp.) on beaches and dwarf surf clam (*Mulinia lateralis*) in bays, at least in the Laguna Madre. Wintering Range includes Aransas, Brazoria, Calhoun, Cameron, Chambers, Galveston, Jefferson, Kennedy, Kleberg, Matagorda, Nueces, San Patricio, and Willacy. Habitat: Primarily seacoasts on tidal flats and beaches, herbaceous wetland, and Tidal flat/shore.

Federal Status: LT State Status: SGCN: Y
Endemic: N Global Rank: G4T2 State Rank: SNRN

reddish egret *Egretta rufescens*

Resident of the Texas Gulf Coast; brackish marshes and shallow salt ponds and tidal flats; nests on ground or in trees or bushes, on dry coastal islands in brushy thickets of yucca and prickly pear

Federal Status: State Status: T SGCN: Y
Endemic: N Global Rank: G4 State Rank: S3B

swallow-tailed kite *Elanoides forficatus*

Lowland forested regions, especially swampy areas, ranging into open woodland; marshes, along rivers, lakes, and ponds; nests high in tall tree in clearing or on forest woodland edge, usually in pine, cypress, or various deciduous trees

Federal Status: State Status: T SGCN: Y
Endemic: N Global Rank: G5 State Rank: S2B

western burrowing owl *Athene cunicularia hypugaea*

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

white-faced ibis *Plegadis chihi*

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

whooping crane *Grus americana*

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: S1N

wood stork *Mycteria americana*

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CALDWELL COUNTY

BIRDS

Prefers to nest in large tracts of baldcypress (*Taxodium distichum*) or red mangrove (*Rhizophora mangle*); 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

zone-tailed hawk *Buteo albonotatus*

Arid open country, including open deciduous or pine-oak woodland, mesa or mountain county, often near watercourses, and wooded canyons and tree-lined rivers along middle-slopes of desert mountains; nests in various habitats and sites, ranging from small trees in lower desert, giant cottonwoods in riparian areas, to mature conifers in high mountain regions

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S3B

FISH

fountain darter *Etheostoma fonticola*

Known only from the spring-fed San Marcos and Comal rivers in dense beds of aquatic plants growing close to bottom; may be found in slow- and fast-flowing habitats.

Federal Status: LE	State Status: E	SGCN: Y
Endemic: Y	Global Rank: G1	State Rank: S1

Guadalupe bass *Micropterus treculii*

Endemic to the streams of the northern and eastern Edwards Plateau including portions of the Brazos, Colorado, Guadalupe, and San Antonio basins; species also found outside of the Edwards Plateau streams in decreased abundance, primarily in the lower Colorado River; two introduced populations have been established in the Nueces River system. A pure population was re-established in a portion of the Blanco River in 2014. Species prefers lentic environments but commonly taken in flowing water; numerous smaller fish occur in rapids, many times near eddies; large individuals found mainly in riffle tail races; usually found in spring-fed streams having clear water and relatively consistent temperatures.

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S3

Guadalupe darter *Percina apristis*

Endemic to the Guadalupe River Basin; Found in riffles; most common under or around 25-30 cm boulders in the main current; seems to prefer moderately turbid water.

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G4	State Rank: S2

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CALDWELL COUNTY

FISH

headwater catfish

Ictalurus lupus

Originally throughout streams of the Edwards Plateau and the Rio Grande basin, currently limited to Rio Grande drainage, including Pecos River basin; springs, and sandy and rocky riffles, runs, and pools of clear creeks and small rivers.

Federal Status:

State Status:

SGCN: Y

Endemic: N

Global Rank: G3

State Rank: S1S2

river darter

Percina shumardi

In Texas limited to eastern streams including Red southward to the Neches, and a disjunct population in the Guadalupe and San Antonio river systems east of the Balcones Escarpment. Confined to large rivers and lower parts of major tributaries; almost invariably found in deep chutes and riffles where current is swift and bottom composed of coarse gravel or rock.

Federal Status:

State Status:

SGCN: N

Endemic:

Global Rank: G5

State Rank: S4

Texas shiner

Notropis amabilis

In Texas, it is found primarily in Edwards Plateau streams from the San Gabriel River in the east to the Pecos River in the west. Typical habitat includes rocky or sandy runs, as well as pools.

Federal Status:

State Status:

SGCN: Y

Endemic: N

Global Rank: G4

State Rank: S4

INSECTS

American bumblebee

Bombus pensylvanicus

Habitat description is not available at this time.

Federal Status:

State Status:

SGCN: Y

Endemic:

Global Rank: G3G4

State Rank: SNR

Comanche harvester ant

Pogonomyrmex comanche

Habitat description is not available at this time.

Federal Status:

State Status:

SGCN: Y

Endemic: Y

Global Rank: G2G3

State Rank: S2

MAMMALS

American badger

Taxidea taxus

Generalist. Prefers areas with soft soils that sustain ground squirrels for food. When inactive, occupies underground burrow. Young are born in underground burrows.

Federal Status:

State Status:

SGCN: Y

Endemic: N

Global Rank: G5

State Rank: S5

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CALDWELL COUNTY

MAMMALS

Aransas short-tailed shrew *Blarina hylophaga plumbea*

Excavates burrows in sandy soils underlying mottes of live oak trees or in areas with little to no ground cover.

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G5T1Q State Rank: S1

big brown bat *Eptesicus fuscus*

Any wooded areas or woodlands except south Texas. Riparian areas in west Texas.

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

big free-tailed bat *Nyctinomops macrotis*

Habitat data sparse but records indicate that species prefers to roost in crevices and cracks in high canyon walls, but will use buildings, as well; reproduction data sparse, gives birth to single offspring late June-early July; females gather in nursery colonies; winter habits undetermined, but may hibernate in the Trans-Pecos; opportunistic insectivore

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

cave myotis bat *Myotis velifer*

Colonial and cave-dwelling; also roosts in rock crevices, old buildings, carports, under bridges, and even in abandoned Cliff Swallow (*Hirundo pyrrhonota*) nests; roosts in clusters of up to thousands of individuals; hibernates in limestone caves of Edwards Plateau and gypsum cave of Panhandle during winter; opportunistic insectivore.

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G4G5 State Rank: S4

eastern red bat *Lasiurus borealis*

Found in a variety of habitats in Texas. Usually associated with wooded areas. Found in towns especially during migration.

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*

Known from montane and riparian woodland in Trans-Pecos, forests and woods in east and central Texas.

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

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CALDWELL COUNTY

MAMMALS

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

Mexican free-tailed bat

Tadarida brasiliensis

Roosts in buildings in east Texas. Largest maternity roosts are in limestone caves on the Edwards Plateau. Found in all habitats, forest to desert.

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

Mexican long-tongued bat

Choeronycteris mexicana

Only Texas record is from riparian forest; in general--neotropical nectivorous species roosting in caves, mines, and large crevices found in deep canyons along the Rio Grande ; also found in buildings and often associated with big-eared bats (*Plecotus* spp.); single TX record from Santa Ana NWR

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G3G4	State Rank: S1

mink

Neovison vison

Intimately associated with water; coastal swamps & marshes, wooded riparian zones, edges of lakes. Prefer floodplains.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S4

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

plains spotted skunk

Spilogale putorius interrupta

Generalist; open fields, prairies, croplands, fence rows, farmyards, forest edges, and woodlands; prefers wooded, brushy areas and tallgrass prairie

Federal Status:	State Status:	SGCN: N
Endemic: N	Global Rank: G4T4	State Rank: S1S3

southern short-tailed shrew

Blarina carolinensis

Found in East Texas pine forests and agricultural land. May favor areas with abundant leaf litter and fallen logs (Baumgardner et al. 1992). Nest sites are probably under logs, stumps and other debris.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S4

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CALDWELL COUNTY

MAMMALS

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

thirteen-lined ground squirrel

Ictidomys tridecemlineatus

Prefers short grass prairies with deep soils for burrowing. Frequently found in grazed ranchland, mowed pastures, and golf courses.

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: G2G3 State Rank: S3S4

western hog-nosed skunk

Conepatus leuconotus

Habitats include woodlands, grasslands & deserts, to 7200 feet, most common in rugged, rocky canyon country; little is known about the habitat of the ssp. *telmalestes*

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G4 State Rank: S4

MOLLUSKS

false spike mussel

Fusconaia mitchelli

Occurs in small streams to medium-size rivers in habitats such as riffles and runs with flowing water. Is often found in stable substrates of sand, gravel, and cobble (Howells 2010; Randklev et al. 2012; Sowards et al. 2013; Tsakiris and Randklev 2016). [Mussels of Texas 2019]

Federal Status: State Status: T SGCN: Y
Endemic: N Global Rank: G1 State Rank: S1

golden orb

Quadrula aurea

Sand and gravel in some locations and mud at others; found in lentic and lotic; Guadalupe, San Antonio, Lower San Marcos, and Nueces River basins

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

No accepted common name

Millerelix gracilis

Habitat description is not available at this time.

Federal Status: State Status: SGCN: Y
Endemic: Global Rank: G2G3 State Rank: S2?

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CALDWELL COUNTY

MOLLUSKS

No accepted common name *Cyclonaias necki*

Species' distribution is limited to the Guadalupe River basin. Occurs in both mainstem and tributary habitats. Often found in substrates composed of sand, gravel, and cobble, including mud-silt or gravel-filled cracks in bedrock slabs. Considered intolerant of reservoirs, but are known to occur in them (Howells 2010m; Randklev et al. 2017b). [Mussels of Texas 2019]

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

REPTILES

American alligator *Alligator mississippiensis*

Aquatic: Coastal marshes; inland natural rivers, swamps and marshes; manmade impoundments.

Federal Status:	State Status:	SGCN: N
Endemic: N	Global Rank: G5	State Rank: S4

Cagle's map turtle *Graptemys caglei*

Aquatic: shallow water with swift to moderate flow and gravel or cobble bottom, connected by deeper pools with a slower flow rate and a silt or mud bottom; gravel bar riffles and transition areas between riffles and pools especially important in providing insect prey items; nests on gently sloping sand banks within ca. 30 feet of waters edge.

Federal Status:	State Status: T	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S1

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

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

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CALDWELL COUNTY

REPTILES

timber (canebrake) rattlesnake *Crotalus horridus*

Terrestrial: Swamps, floodplains, upland pine and deciduous woodland, riparian zones, abandoned farmland. Limestone bluffs, sandy soil or black clay. Prefers dense ground cover, i.e. grapevines, palmetto.

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S4

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

PLANTS

awnless lestdaisy *Chaetopappa imberbis*

In woodlands on lomas of Carrizo sand (TEX-LL specimens Carr 23875, 12507). Mar- May.

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S3

Engelmann's bladderpod *Physaria engelmannii*

Grasslands and calcareous rock outcrops in a band along the eastern edge of the Edwards Plateau, ranging as far north as the Red River (Carr 2015).

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

Heller's marbleseed *Onosmodium helleri*

Occurs in loamy calcareous soils in oak-juniper woodlands on rocky limestone slopes, often in more mesic portions of canyons; Perennial; Flowering March-May

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S3

Hill Country wild-mercury *Argythamnia aphoroides*

Mostly in bluestem-grama grasslands associated with plateau live oak woodlands on shallow to moderately deep clays and clay loams over limestone on rolling uplands, also in partial shade of oak-juniper woodlands in gravelly soils on rocky limestone slopes; Perennial; Flowering April-May with fruit persisting until midsummer

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G2G3	State Rank: S3

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CALDWELL COUNTY

PLANTS

sandhill woollywhite

Hymenopappus carrizoanus

Disturbed or open areas in grasslands and post oak woodlands on deep sands derived from the Carrizo Sand and similar Eocene formations; flowering April-June

Federal Status:

State Status:

SGCN: Y

Endemic: Y

Global Rank: G2

State Rank: S2

Shinner's sunflower

Helianthus occidentalis ssp. plantagineus

Mostly in prairies on the Coastal Plain, with several slightly disjunct populations in the Pineywoods and South Texas Brush Country.

Federal Status:

State Status:

SGCN: Y

Endemic: N

Global Rank: G5T2T3

State Rank: S4

sycamore-leaf snowbell

Styrax platanifolius ssp. platanifolius

Rare throughout range, usually in oak-juniper woodlands on steep rocky banks and ledges along intermittent or perennial streams, rarely far from some reliable source of moisture; Perennial; Flowering April-May; Fruiting May-Aug.

Federal Status:

State Status:

SGCN: Y

Endemic: Y

Global Rank: G3T3

State Rank: S3

Texas beebalm

Monarda viridissima

Endemic perennial herb of the Carrizo Sands; deep, well-drained sandy soils in openings of post oak woodlands; flowers white.

Federal Status:

State Status:

SGCN: Y

Endemic: Y

Global Rank: G3

State Rank: S3

Texas sandmint

Rhododon ciliatus

Open sandy areas in the Post Oak Belt of east-central Texas; Annual; Flowering April-Aug; Fruiting May-Aug

Federal Status:

State Status:

SGCN: Y

Endemic: Y

Global Rank: G3

State Rank: S3

Texas tauschia

Tauschia texana

Occurs in loamy soils in deciduous forests or woodlands on river and stream terraces; Perennial; Flowering/Fruiting Feb-April

Federal Status:

State Status:

SGCN: Y

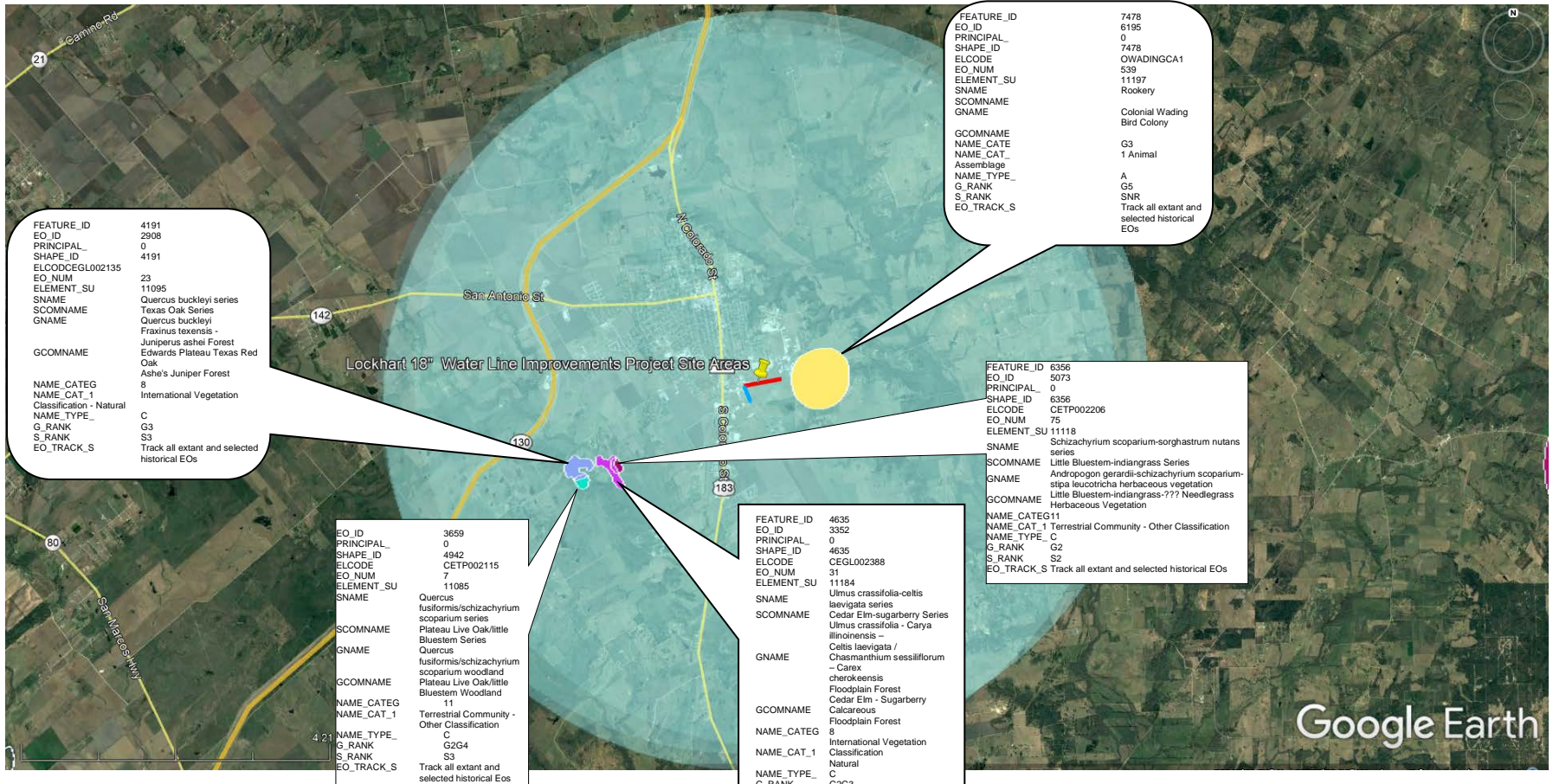
Endemic: Y

Global Rank: G3

State Rank: S3

DISCLAIMER

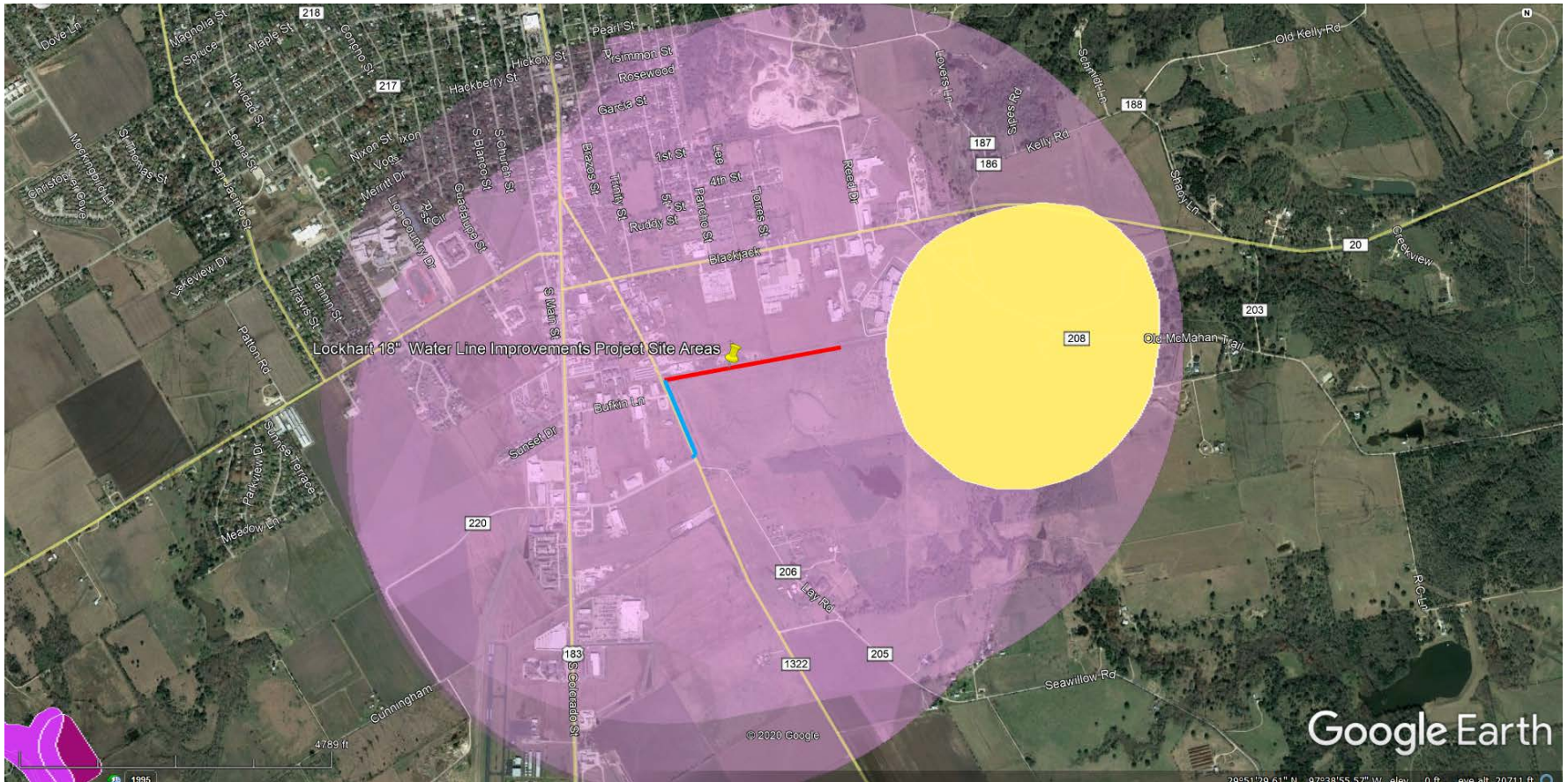
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5 Mile Buffer


Proposed Project Area **Project Alternative Location**

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies
Contract #	7219231	PO Box 90696, Austin, TX 78709
Map Information	TPWD TXNDD Specie Study Areas located within Proximity of Project Site Areas	512-443-4100
Date	April 20	Environmental Service Provider



 **1 Mile Buffer**

Colonial Wading Bird Colony Rookery; Feature ID 7478, EO ID 6195 located approximately 730' ft. from project area.

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 
Contract #	7219231	PO Box 90696, Austin, TX 78709
Map Information	TPWD TXNDD Specie Study Areas located within Proximity of Project Site Areas	512-443-4100
Date	April 20	Environmental Service Provider

From: [Rachel Lange](#)
To: mharmon@future-link.biz
Subject: Lockhart Water Improvements CDBG Project #7219231 / TPWD 43734
Date: Tuesday, May 12, 2020 12:55:20 PM

Good afternoon,

Based upon the description of the project and the inclusion of best management practices concerning migratory birds and erosion control, the Wildlife Habitat Assessment Program does not anticipate significant adverse impacts to rare, threatened, or endangered species, or other fish and wildlife resources. However, please note it is the responsibility of the project proponent to comply with all federal, state, and local laws that protect fish and wildlife. Provided the project plans do not change, TPWD considers coordination to be complete.

Thanks,

Please note my new phone number.

Rachel Lange, CWB
Habitat Assessment Biologist
Texas Parks & Wildlife Department
316 Spring Street, Suite 106
Columbus, TX 78934
(979)732-4213



Future Link Technologies

Environmental and Technology Consulting

Email: WHAB@tpwd.texas.gov

Texas Parks and Wildlife Department
4200 Smith School Road
Austin, Texas 78744

RE: Request for Consultation:
Lockhart Water Improvements CDBG Project #7219231

Dear Madam/Sirs:

The City of Lockhart has received approval for a CDBG grant in the amount of \$300,000 from the US Housing & Urban Development Entitlement Program for a project known as City of Lockhart Water Improvements Project. The water line shall be constructed cross-country to connect to the existing eighteen-inch (18 in.) water line located approximately two thousand five hundred linear feet (2,500 LF) from the City of Lockhart Water Treatment Plant (WTP). The new 18" waterline extends from just south of Blackjack Street 29°52'0.81"N, 97°39'49.61"W to just east of Commerce Street 29°52'5.79"N, 97°39'19.03"W.

This letter is to request your consultation regarding activities proposed for this project. The proposed construction is described as:

Contractor shall increase water flow rates and reduce excessive pressure in the water system by replacing aged, inadequately sized water line with approximately two thousand six hundred linear feet (2,600 LF) eighteen-inch (18 in.) water line, four (4) eighteen-inch (18 in.) valves, fittings, one (1) fire hydrant, and all associated appurtenances and reconnections.

In the event funding remains, this project includes an added alternate line to connect from the project site at S. Commerce Street heading southeast to an existing water line at S. Commerce Street to Martin Luther King Industrial Blvd. approximately 1,300' linear feet.

The Project areas proposed for new 18" waterlines are located adjacent to existing waterlines. The Project will improve citywide water pressure, flow, fire protection, and reliability by replacing undersized and aging water lines to ensure resiliency, service and compliance with Texas Commission on Environmental Quality (TCEQ) standards.

The USFS National Wetland Inventory map reflects no wetlands exist at or adjacent to the proposed project site locations and a review of the latest FEMA mapping reflects no floodplain occurring within the project area.

The Environmental Review has been designed to cover all construction activities that are funded by this grant, there will be some short-term impacts during the construction period of the project and the contractor will utilize accepted methods of dust and noise abatement during this time. There will be no land acquired as a result of this project. The waterlines are located within City ROWs.

Considering the location of the work, i.e., within the city limits and close to populous areas as well as a review of the federal T&E listing (IPAC) the Project will have no impact to federal endangered species. The Texas Parks & Wildlife Texas Natural Diversity Database (TXNDD) was consulted which shows the following surveys located within 5 miles of the project area:

- Colonial Wading Bird Colony Rookery; Feature ID 7478, EO ID 6195 located approximately 730' ft. from project area.
- Texas Oat Series *Quercus buckleyi* series; Feature ID 4191, EO ID 2908
- Plateau Live Oak/little Bluestem Series (*Quercus fusiformis/schizachyrium scoparium* series), Feature ID 3659, EO ID 3559
- Cedar Elm-sugarberry Series (*Ulmus crassifolia-celtis laevigata* series) Feature ID 4635, EO ID 3352
- Vegetation; Little Bluestem-Indiangrass Feature ID 6356, EOID 5073,
- Cedar Elm Sugarberry Calcareous Floodplain Forest Feature ID 4635, EO ID 3352.

No impact is expected to listed study areas.

Soils in the area are identified as Blackland Prairie Grassland previously disturbed. The Caldwell County Threatened & Endangered Species (T&E) listing was examined, it provides a breakdown of potential impact to the project area. These factors are important in assessing habitat for species on the County T&E listing. This information was considered and compared against the NRCS county soils map for the project area. See Attachment 1 & 2.

Regarding migratory birds, research indicates the Red-headed Woodpecker *Melanerpes erythrocephalus* is listed as a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. The Species breeds between May 10 to Sep 10th. According to TXNDD, no study areas exist for the bird within 5 miles of the waterline Project site areas.

Mitigation measures will include checking sites for nests prior to construction avoiding construction disturbance from a minimum zone of 100 meters surrounding any raptor nest February 1 through July 15. Clearing vegetated areas for construction between March to August will include an examination prior to construction to ensure that no nests with eggs or young will be disturbed by construction. If any nests are discovered in vegetation or bare ground within at least 25 feet of occupied nests avoid disturbance until the eggs have hatched and the young have fledged.

Industry specific mitigation measures will be applied to return the area to its original condition and precautions taken to maintain minimal disturbance within the construction area including best management practices to prevent construction runoff through berming and silt fencing installed to prevent unintended capture of any species.

Lockhart Water Improvements Project
CDBG #7219231
Request for Consultation Letter

Open trenches will be monitored and covered after hours and any species found will be provided availability to leave the area. According to engineering plans, soil stabilization and/or revegetation of disturbed areas will be handled through seed stabilization materials consistent with area recommended native plants and grasses but that avoid invasive plants.

Attachment 1 contains project area maps to facilitate an understanding of project locations. Attachment 2 contains a FEMA flood maps regarding the area flood levels. Attachment 3 includes the site visit pictures. See Attachment 4 provides general engineering plans for your review.

If you disagree with our findings and have additional information we should consider or have any questions, please do not hesitate to call. If we do not hear from you within 30-45 calendar days, we will assume that you agree with our determination and we will proceed with the project.

Sincerely,

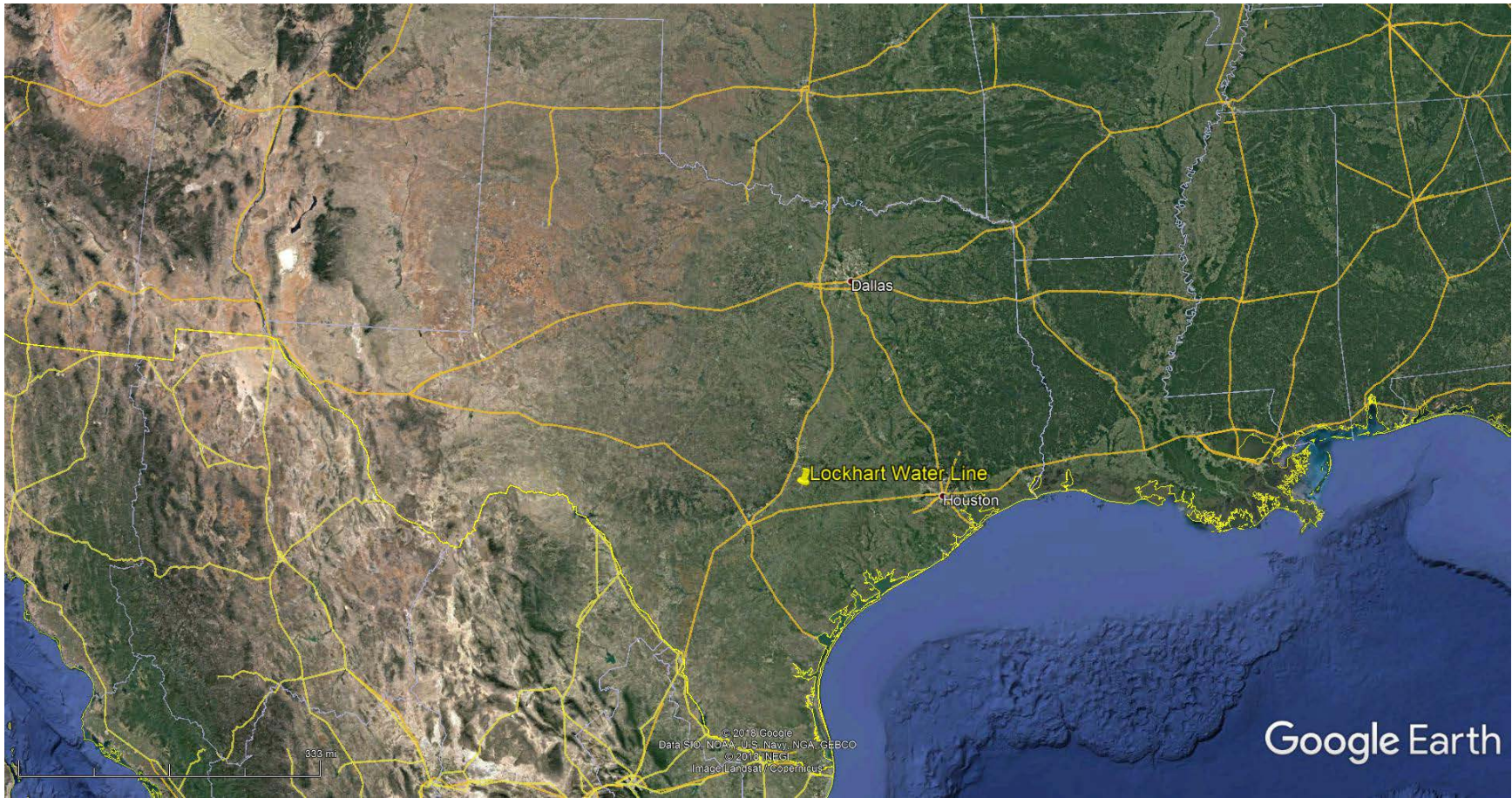
Latrice Hertzler
Environmental Service Provider

Enclosures:



- Att 1: Target Area Maps & TXNDD Data Maps, County Listing, IPAC List
- Att 2: Floodplain, Wetland and Soils Map
- Att 3: Site Visit Pictures
- Att 4: Engineering

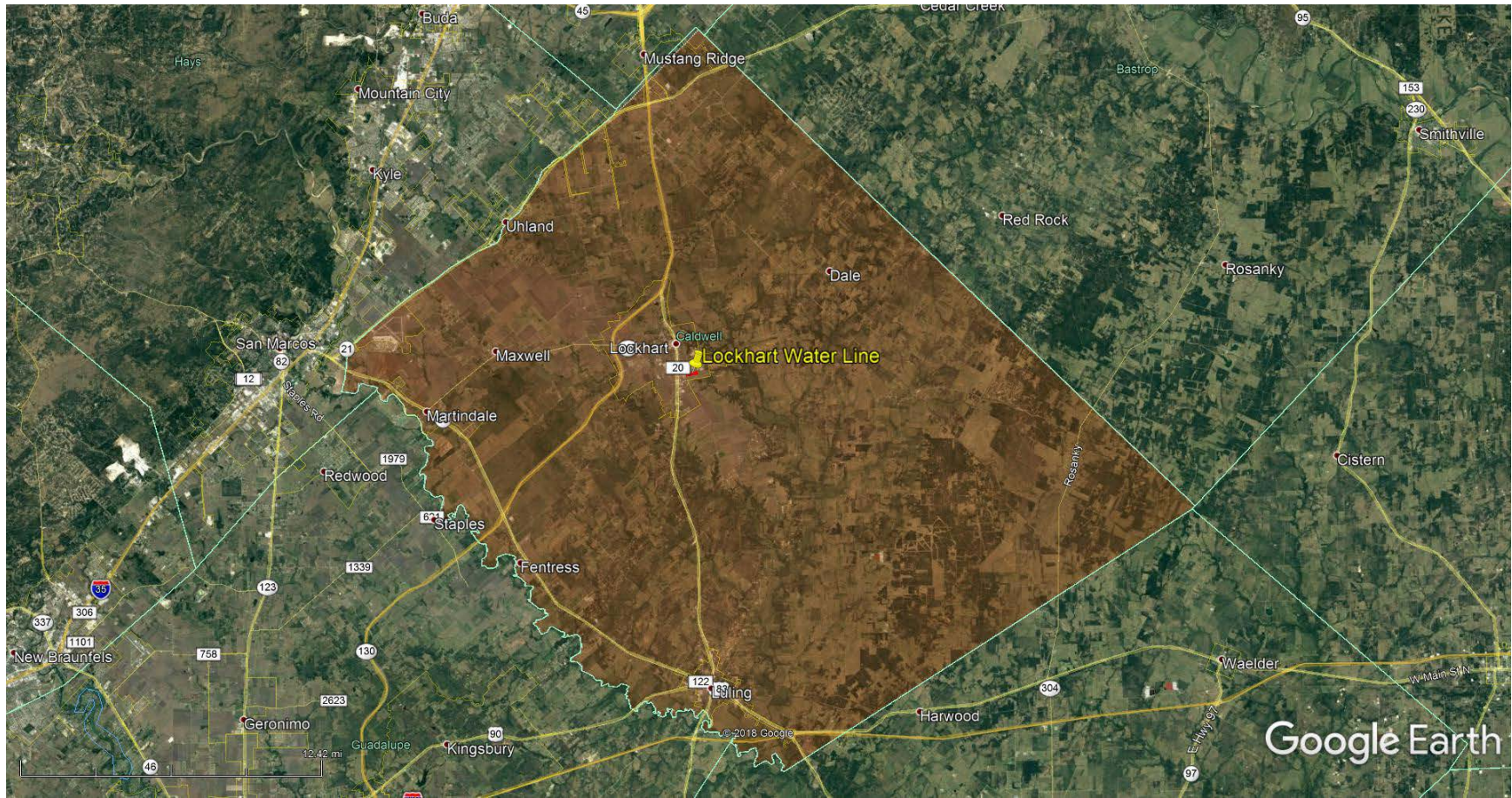
Attachment 1

Project Target Area Maps & TXNDD Map,
Data County Listing, IPAC List





The City of Lockhart is located in Texas

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 	
Contract #	7219231	PO Box 90696, Austin, TX 78709	
Map Information	General Location Maps	512-443-4100	
Date	April 20	Environmental Service Provider	





Lockhart is located in Caldwell County

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 	
Contract #	7219231	PO Box 90696, Austin, TX 78709	
Map Information	General Location Maps	512-443-4100	
Date	April 20	Environmental Service Provider	



Project area is located in Lockhart, TX


- Proposed Project Area
- Project Alternative Location
- Lockhart City Limits

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 	
Contract #	7219231	PO Box 90696, Austin, TX 78709	
Map Information	General Location Maps	512-443-4100	
Date	April 20	Environmental Service Provider	



— Lockhart Water Line Proposed Project Area



— Project Alternative Location

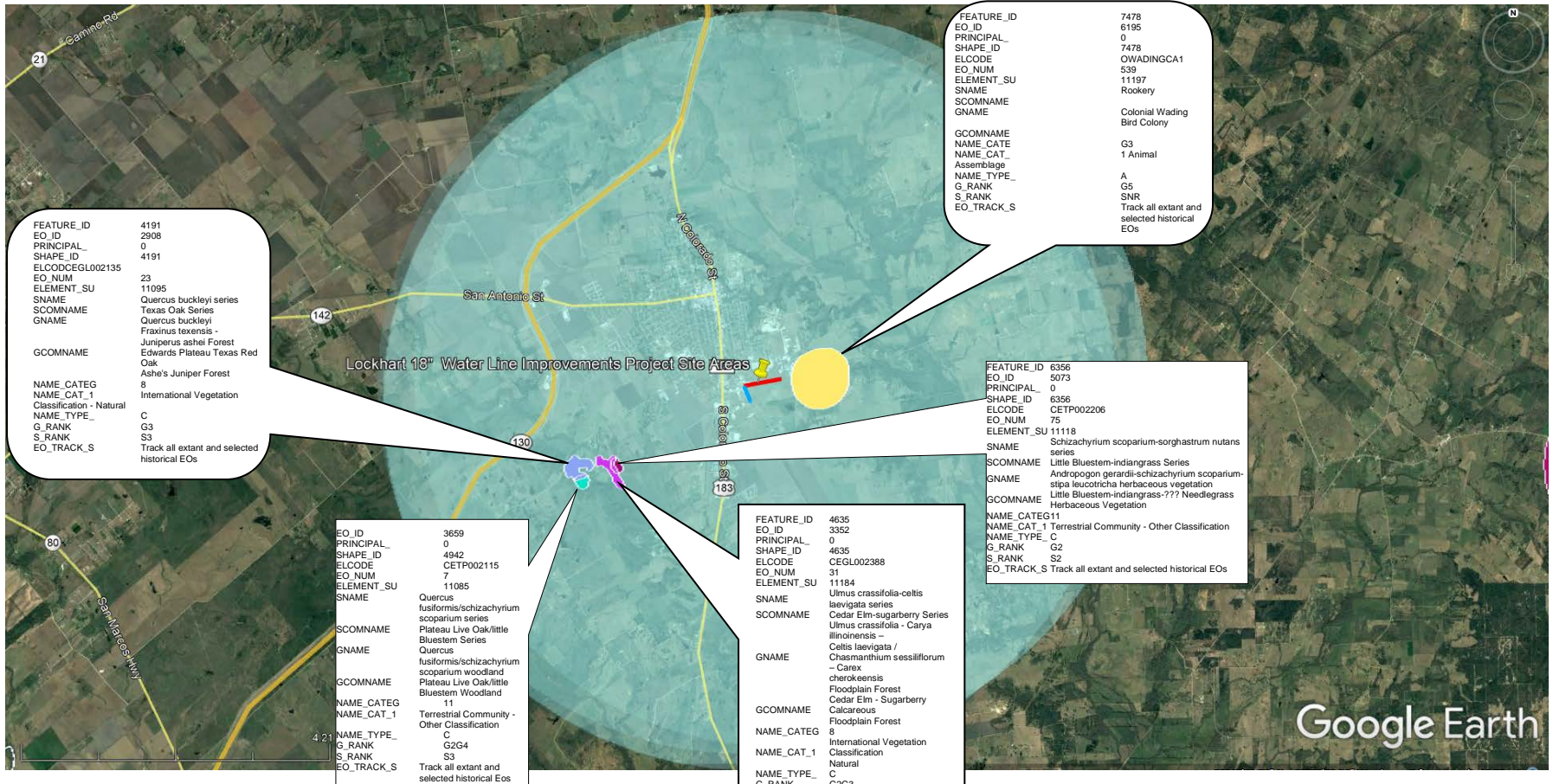
Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 
Contract #	7219231	PO Box 90696, Austin, TX 78709
Map Information	General Location Maps	512-443-4100
Date	April 20	Environmental Service Provider



— Lockhart Water Line Proposed Project Area - From City of Lockhart Water Treatment Plant (WTP) extends just south of Blackjack Street to east of Commerce Street. FROM: 29°52'0.81"N, 97°39'49.61"W TO: 29°52'5.79"N, 97°39'19.03"W


— Project Alternative Location - Alternate line to connect from the project site at S. Commerce Street heading southeast to an existing water line at S. Commerce Street to Martin Luther King Industrial Blvd. Alternate location approximately 1300 linear feet

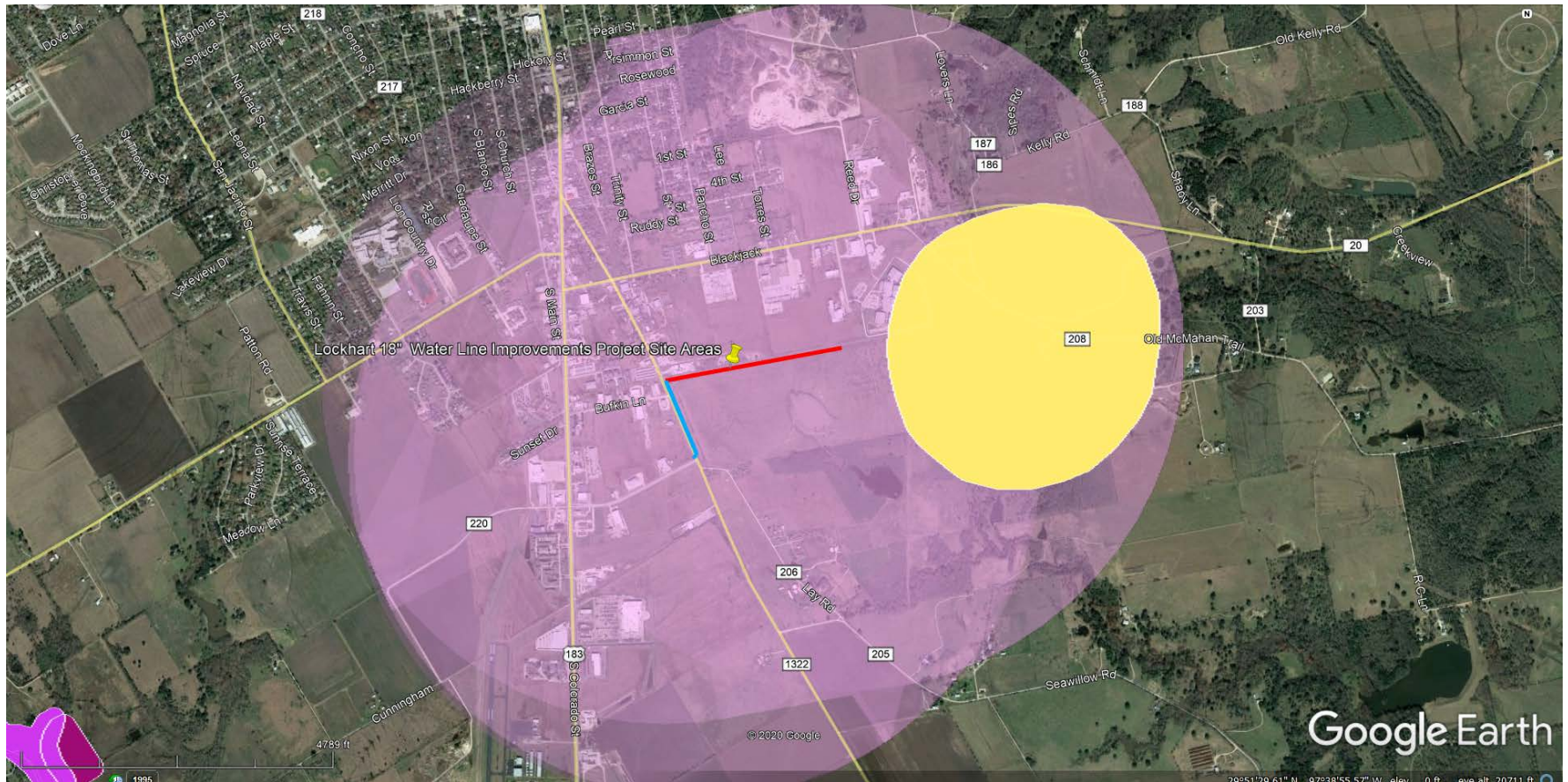
Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 	
Contract #	7219231	PO Box 90696, Austin, TX 78709	
Map Information	General Location Maps	512-443-4100	
Date	April 20	Environmental Service Provider	



5 Mile Buffer


Proposed Project Area **Project Alternative Location**

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 
Contract #	7219231	PO Box 90696, Austin, TX 78709
Map Information	TPWD TXNDD Specie Study Areas located within Proximity of Project Site Areas	512-443-4100
Date	April 20	Environmental Service Provider



 **1 Mile Buffer**

Colonial Wading Bird Colony Rookery; Feature ID 7478, EO ID 6195 located approximately 730' ft. from project area.

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 
Contract #	7219231	PO Box 90696, Austin, TX 78709
Map Information	TPWD TXNDD Specie Study Areas located within Proximity of Project Site Areas	512-443-4100
Date	April 20	Environmental Service Provider

Last Update: 3/4/2020

CALDWELL COUNTY

AMPHIBIANS

Houston toad

Anaxyrus houstonensis

Terrestrial and aquatic: Primary terrestrial habitat is forests with deep sandy soils. Juveniles and adults are presumed to move through areas of less suitable soils using riparian corridors. Aquatic habitats can include any water body from a tire rut to a large lake.

Federal Status: LE	State Status: E	SGCN: Y
Endemic: Y	Global Rank: G1	State Rank: S1

San Marcos salamander

Eurycea nana

Aquatic; springs and associated water.

Federal Status: LT	State Status: T	SGCN: Y
Endemic: Y	Global Rank: G1	State Rank: S1

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

Texas blind salamander

Eurycea rathbuni

Aquatic and subterranean; streams and caves.

Federal Status: LE	State Status: E	SGCN: Y
Endemic: Y	Global Rank: G1	State Rank: S1

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

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CALDWELL COUNTY

BIRDS

black rail *Laterallus jamaicensis*

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

Franklin's gull *Leucophaeus pipixcan*

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

interior least tern *Sternula antillarum athalassos*

Sand beaches, flats, bays, inlets, lagoons, islands. Subspecies is listed only when inland (more than 50 miles from a coastline); nests along sand and gravel bars within braided streams, rivers; also know to nest on man-made structures (inland beaches, wastewater treatment plants, gravel mines, etc); eats small fish and crustaceans, when breeding forages within a few hundred feet of colony

Federal Status: LE State Status: E SGCN: Y
Endemic: N Global Rank: G4T3Q State Rank: S1B

mountain plover *Charadrius montanus*

Breeding: nests on high plains or shortgrass prairie, on ground in shallow depression; nonbreeding: shortgrass plains and bare, dirt (plowed) fields; primarily insectivorous

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

piping plover *Charadrius melodus*

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

red knot *Calidris canutus rufa*

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CALDWELL COUNTY

BIRDS

Prefers to nest in large tracts of baldcypress (*Taxodium distichum*) or red mangrove (*Rhizophora mangle*); 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

zone-tailed hawk *Buteo albonotatus*

Arid open country, including open deciduous or pine-oak woodland, mesa or mountain county, often near watercourses, and wooded canyons and tree-lined rivers along middle-slopes of desert mountains; nests in various habitats and sites, ranging from small trees in lower desert, giant cottonwoods in riparian areas, to mature conifers in high mountain regions

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S3B

FISH

fountain darter *Etheostoma fonticola*

Known only from the spring-fed San Marcos and Comal rivers in dense beds of aquatic plants growing close to bottom; may be found in slow- and fast-flowing habitats.

Federal Status: LE	State Status: E	SGCN: Y
Endemic: Y	Global Rank: G1	State Rank: S1

Guadalupe bass *Micropterus treculii*

Endemic to the streams of the northern and eastern Edwards Plateau including portions of the Brazos, Colorado, Guadalupe, and San Antonio basins; species also found outside of the Edwards Plateau streams in decreased abundance, primarily in the lower Colorado River; two introduced populations have been established in the Nueces River system. A pure population was re-established in a portion of the Blanco River in 2014. Species prefers lentic environments but commonly taken in flowing water; numerous smaller fish occur in rapids, many times near eddies; large individuals found mainly in riffle tail races; usually found in spring-fed streams having clear water and relatively consistent temperatures.

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S3

Guadalupe darter *Percina apristis*

Endemic to the Guadalupe River Basin; Found in riffles; most common under or around 25-30 cm boulders in the main current; seems to prefer moderately turbid water.

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G4	State Rank: S2

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CALDWELL COUNTY

FISH

headwater catfish *Ictalurus lupus*

Originally throughout streams of the Edwards Plateau and the Rio Grande basin, currently limited to Rio Grande drainage, including Pecos River basin; springs, and sandy and rocky riffles, runs, and pools of clear creeks and small rivers.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G3	State Rank: S1S2

river darter *Percina shumardi*

In Texas limited to eastern streams including Red southward to the Neches, and a disjunct population in the Guadalupe and San Antonio river systems east of the Balcones Escarpment. Confined to large rivers and lower parts of major tributaries; almost invariably found in deep chutes and riffles where current is swift and bottom composed of coarse gravel or rock.

Federal Status:	State Status:	SGCN: N
Endemic:	Global Rank: G5	State Rank: S4

Texas shiner *Notropis amabilis*

In Texas, it is found primarily in Edwards Plateau streams from the San Gabriel River in the east to the Pecos River in the west. Typical habitat includes rocky or sandy runs, as well as pools.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S4

INSECTS

American bumblebee *Bombus pensylvanicus*

Habitat description is not available at this time.

Federal Status:	State Status:	SGCN: Y
Endemic:	Global Rank: G3G4	State Rank: SNR

Comanche harvester ant *Pogonomyrmex comanche*

Habitat description is not available at this time.

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G2G3	State Rank: S2

MAMMALS

American badger *Taxidea taxus*

Generalist. Prefers areas with soft soils that sustain ground squirrels for food. When inactive, occupies underground burrow. Young are born in underground burrows.

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

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CALDWELL COUNTY

MAMMALS

Aransas short-tailed shrew *Blarina hylophaga plumbea*

Excavates burrows in sandy soils underlying mottes of live oak trees or in areas with little to no ground cover.

Federal Status: State Status: SGCN: Y
Endemic: Y Global Rank: G5T1Q State Rank: S1

big brown bat *Eptesicus fuscus*

Any wooded areas or woodlands except south Texas. Riparian areas in west Texas.

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

big free-tailed bat *Nyctinomops macrotis*

Habitat data sparse but records indicate that species prefers to roost in crevices and cracks in high canyon walls, but will use buildings, as well; reproduction data sparse, gives birth to single offspring late June-early July; females gather in nursery colonies; winter habits undetermined, but may hibernate in the Trans-Pecos; opportunistic insectivore

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

cave myotis bat *Myotis velifer*

Colonial and cave-dwelling; also roosts in rock crevices, old buildings, carports, under bridges, and even in abandoned Cliff Swallow (*Hirundo pyrrhonota*) nests; roosts in clusters of up to thousands of individuals; hibernates in limestone caves of Edwards Plateau and gypsum cave of Panhandle during winter; opportunistic insectivore.

Federal Status: State Status: SGCN: Y
Endemic: N Global Rank: G4G5 State Rank: S4

eastern red bat *Lasiurus borealis*

Found in a variety of habitats in Texas. Usually associated with wooded areas. Found in towns especially during migration.

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*

Known from montane and riparian woodland in Trans-Pecos, forests and woods in east and central Texas.

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

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CALDWELL COUNTY

MAMMALS

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

Mexican free-tailed bat

Tadarida brasiliensis

Roosts in buildings in east Texas. Largest maternity roosts are in limestone caves on the Edwards Plateau. Found in all habitats, forest to desert.

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

Mexican long-tongued bat

Choeronycteris mexicana

Only Texas record is from riparian forest; in general--neotropical nectivorous species roosting in caves, mines, and large crevices found in deep canyons along the Rio Grande ; also found in buildings and often associated with big-eared bats (*Plecotus* spp.); single TX record from Santa Ana NWR

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G3G4	State Rank: S1

mink

Neovison vison

Intimately associated with water; coastal swamps & marshes, wooded riparian zones, edges of lakes. Prefer floodplains.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S4

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

plains spotted skunk

Spilogale putorius interrupta

Generalist; open fields, prairies, croplands, fence rows, farmyards, forest edges, and woodlands; prefers wooded, brushy areas and tallgrass prairie

Federal Status:	State Status:	SGCN: N
Endemic: N	Global Rank: G4T4	State Rank: S1S3

southern short-tailed shrew

Blarina carolinensis

Found in East Texas pine forests and agricultural land. May favor areas with abundant leaf litter and fallen logs (Baumgardner et al. 1992). Nest sites are probably under logs, stumps and other debris.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S4

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CALDWELL COUNTY

MAMMALS

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

thirteen-lined ground squirrel

Ictidomys tridecemlineatus

Prefers short grass prairies with deep soils for burrowing. Frequently found in grazed ranchland, mowed pastures, and golf courses.

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: G2G3	State Rank: S3S4

western hog-nosed skunk

Conepatus leuconotus

Habitats include woodlands, grasslands & deserts, to 7200 feet, most common in rugged, rocky canyon country; little is known about the habitat of the ssp. *telmalestes*

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S4

MOLLUSKS

false spike mussel

Fusconaia mitchelli

Occurs in small streams to medium-size rivers in habitats such as riffles and runs with flowing water. Is often found in stable substrates of sand, gravel, and cobble (Howells 2010; Randklev et al. 2012; Sowards et al. 2013; Tsakiris and Randklev 2016). [Mussels of Texas 2019]

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G1	State Rank: S1

golden orb

Quadrula aurea

Sand and gravel in some locations and mud at others; found in lentic and lotic; Guadalupe, San Antonio, Lower San Marcos, and Nueces River basins

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

No accepted common name

Millerelix gracilis

Habitat description is not available at this time.

Federal Status:	State Status:	SGCN: Y
Endemic:	Global Rank: G2G3	State Rank: S2?

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CALDWELL COUNTY

MOLLUSKS

No accepted common name *Cyclonaias necki*

Species' distribution is limited to the Guadalupe River basin. Occurs in both mainstem and tributary habitats. Often found in substrates composed of sand, gravel, and cobble, including mud-silt or gravel-filled cracks in bedrock slabs. Considered intolerant of reservoirs, but are known to occur in them (Howells 2010m; Randklev et al. 2017b). [Mussels of Texas 2019]

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

REPTILES

American alligator *Alligator mississippiensis*

Aquatic: Coastal marshes; inland natural rivers, swamps and marshes; manmade impoundments.

Federal Status:	State Status:	SGCN: N
Endemic: N	Global Rank: G5	State Rank: S4

Cagle's map turtle *Graptemys caglei*

Aquatic: shallow water with swift to moderate flow and gravel or cobble bottom, connected by deeper pools with a slower flow rate and a silt or mud bottom; gravel bar riffles and transition areas between riffles and pools especially important in providing insect prey items; nests on gently sloping sand banks within ca. 30 feet of waters edge.

Federal Status:	State Status: T	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S1

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

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

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CALDWELL COUNTY

REPTILES

timber (canebrake) rattlesnake *Crotalus horridus*

Terrestrial: Swamps, floodplains, upland pine and deciduous woodland, riparian zones, abandoned farmland. Limestone bluffs, sandy soil or black clay. Prefers dense ground cover, i.e. grapevines, palmetto.

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S4

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

PLANTS

awnless lestdaisy *Chaetopappa imberbis*

In woodlands on lomas of Carrizo sand (TEX-LL specimens Carr 23875, 12507). Mar- May.

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S3

Engelmann's bladderpod *Physaria engelmannii*

Grasslands and calcareous rock outcrops in a band along the eastern edge of the Edwards Plateau, ranging as far north as the Red River (Carr 2015).

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

Heller's marbleseed *Onosmodium helleri*

Occurs in loamy calcareous soils in oak-juniper woodlands on rocky limestone slopes, often in more mesic portions of canyons; Perennial; Flowering March-May

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S3

Hill Country wild-mercury *Argythamnia aphoroides*

Mostly in bluestem-grama grasslands associated with plateau live oak woodlands on shallow to moderately deep clays and clay loams over limestone on rolling uplands, also in partial shade of oak-juniper woodlands in gravelly soils on rocky limestone slopes; Perennial; Flowering April-May with fruit persisting until midsummer

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G2G3	State Rank: S3

DISCLAIMER

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CALDWELL COUNTY

PLANTS

sandhill woollywhite

Hymenopappus carrizoanus

Disturbed or open areas in grasslands and post oak woodlands on deep sands derived from the Carrizo Sand and similar Eocene formations; flowering April-June

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G2	State Rank: S2

Shinner's sunflower

Helianthus occidentalis ssp. plantagineus

Mostly in prairies on the Coastal Plain, with several slightly disjunct populations in the Pineywoods and South Texas Brush Country.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5T2T3	State Rank: S4

sycamore-leaf snowbell

Styrax platanifolius ssp. platanifolius

Rare throughout range, usually in oak-juniper woodlands on steep rocky banks and ledges along intermittent or perennial streams, rarely far from some reliable source of moisture; Perennial; Flowering April-May; Fruiting May-Aug.

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3T3	State Rank: S3

Texas beebalm

Monarda viridissima

Endemic perennial herb of the Carrizo Sands; deep, well-drained sandy soils in openings of post oak woodlands; flowers white.

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S3

Texas sandmint

Rhododon ciliatus

Open sandy areas in the Post Oak Belt of east-central Texas; Annual; Flowering April-Aug; Fruiting May-Aug

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S3

Texas tauschia

Tauschia texana

Occurs in loamy soils in deciduous forests or woodlands on river and stream terraces; Perennial; Flowering/Fruiting Feb-April

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S3

DISCLAIMER

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IPaC Information for Planning and Consultation **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Caldwell County, Texas



Local office

Austin Ecological Services Field Office

☎ (512) 490-0057

📅 (512) 490-0974

10711 Burnet Road, Suite 200

Austin, TX 78758-4460

<http://www.fws.gov/southwest/es/AustinTexas/>

<http://www.fws.gov/southwest/es/EndangeredSpecies/lists/>

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species

¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

-
1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information.
 2. [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.

The following species are potentially affected by activities in this location:

Birds

NAME	STATUS
<p>Least Tern <i>Sterna antillarum</i></p> <p>This species only needs to be considered if the following condition applies:</p> <ul style="list-style-type: none"> • Wind Energy Projects <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8505</p>	Endangered
<p>Piping Plover <i>Charadrius melodus</i></p> <p>This species only needs to be considered if the following condition applies:</p> <ul style="list-style-type: none"> • Wind Energy Projects <p>There is final critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/6039</p>	Threatened
<p>Red Knot <i>Calidris canutus rufa</i></p> <p>This species only needs to be considered if the following condition applies:</p> <ul style="list-style-type: none"> • Wind Energy Projects <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1864</p>	Threatened
<p>Whooping Crane <i>Grus americana</i></p> <p>There is final critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/758</p>	Endangered

Clams

NAME	STATUS
<p>Texas Fatmucket <i>Lampsilis bracteata</i></p> <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9041</p>	Candidate
<p>Texas Fawnsfoot <i>Truncilla macrodon</i></p> <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8965</p>	Candidate
<p>Texas Pimpleback <i>Quadrula petrina</i></p> <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8966</p>	Candidate

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act

[1](#) and the Bald and Golden Eagle Protection Act².

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.

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

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 (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

Harris's Sparrow *Zonotrichia querula*

Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Red-headed Woodpecker *Melanerpes erythrocephalus*

Breeds May 10 to Sep 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

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](#) and/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 migratory birds potentially occurring 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 [AKN Phenology 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, migrating or present year-round in my project 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 refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). 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.

Facilities

National Wildlife Refuge lands

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 AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

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](#).

THERE ARE NO KNOWN WETLANDS AT THIS LOCATION.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

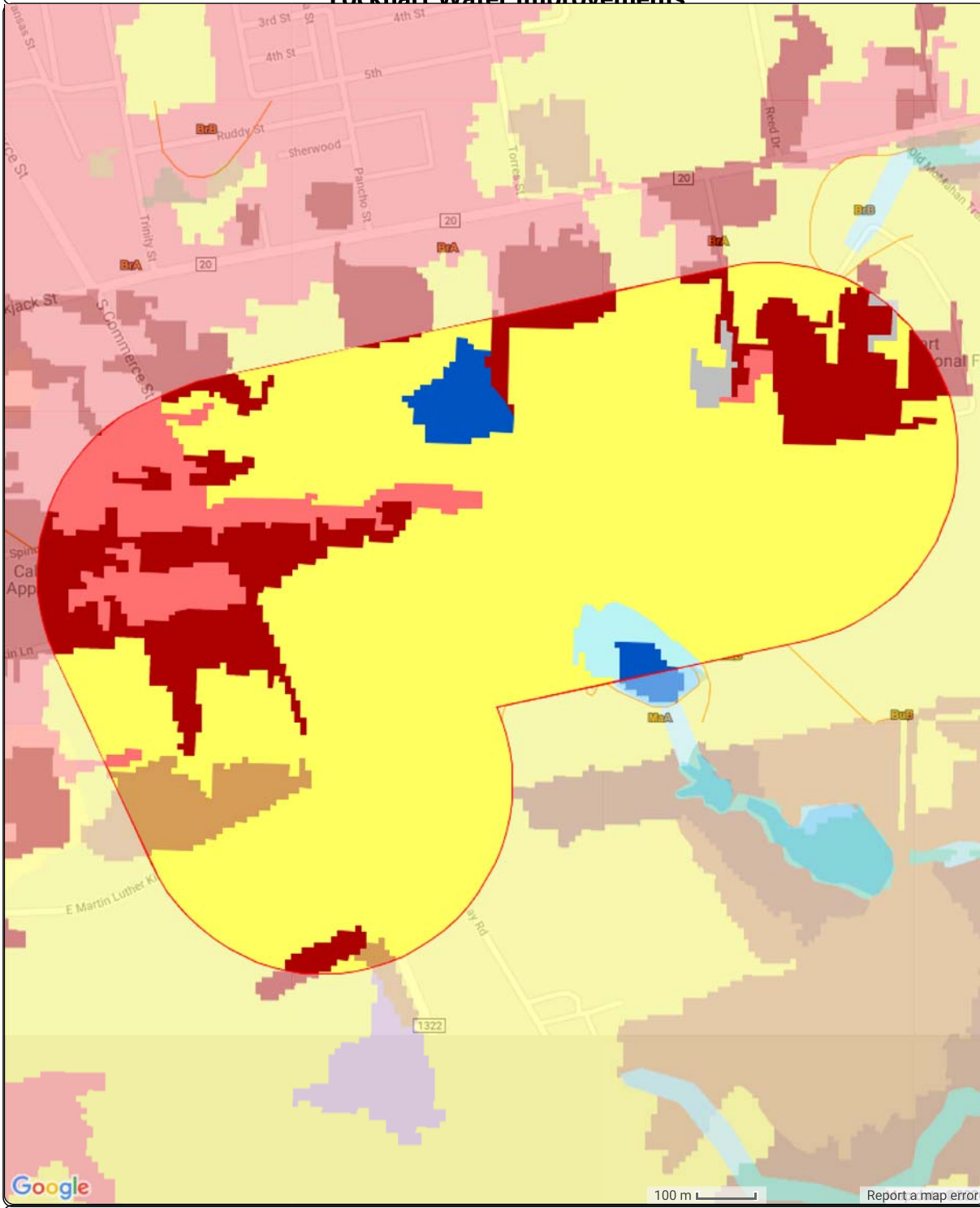
Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.



T.E.A.M. Study Area Report

Lockhart Water Improvements



Report Created Sat Apr 11 2020



















T.E.A.M. Study Area Report



Legend

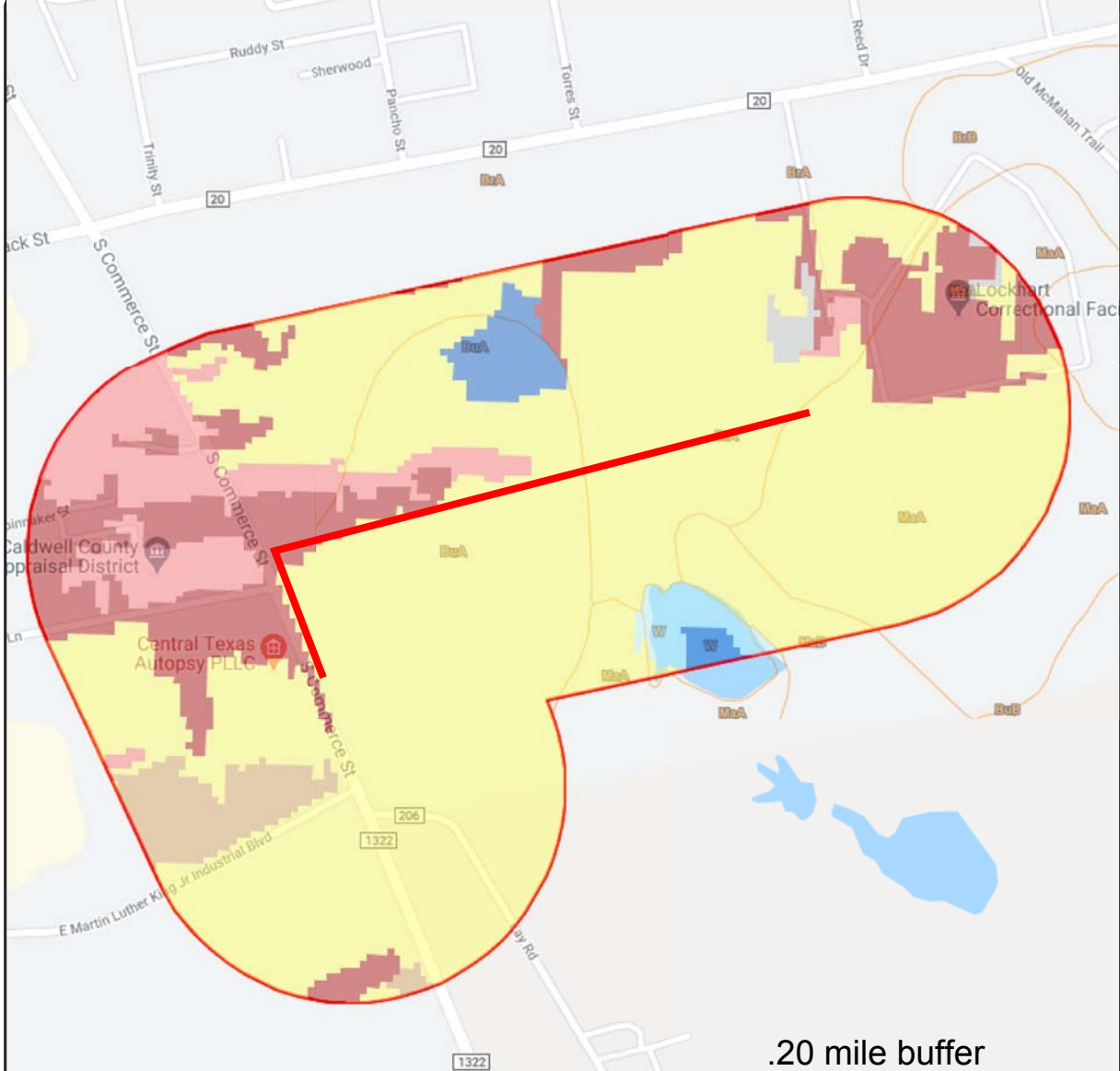
Summary: Lockhart Water Improvements
284.26 Acres || 115.04 Hectares

Acres	Hectares	% Total	# Polys	Tx Ecological System
201.28	81.46	70.81	5	 Blackland Prairie: Disturbance or Tame Grassland
201.28	81.46	70.81	5	 Blackland Prairie: Disturbance or Tame Grassland
42.79	17.32	15.05	11	 Urban High Intensity
42.79	17.32	15.05	11	 Urban High Intensity
20.79	8.41	7.31	6	 Urban Low Intensity
20.79	8.41	7.31	6	 Urban Low Intensity
8.33	3.37	2.93	2	 Native Invasive: Mesquite Shrubland
8.33	3.37	2.93	2	 Native Invasive: Mesquite Shrubland
5.81	2.35	2.04	2	 Open Water
5.81	2.35	2.04	2	 Open Water
3.46	1.40	1.22	1	 Central Texas: Floodplain Herbaceous Vegetation
3.46	1.40	1.22	1	 Central Texas: Floodplain Herbaceous Vegetation
1.79	0.73	0.63	3	 Barren
1.79	0.73	0.63	3	 Barren
0.00	0.00	0.00	1	 Native Invasive: Deciduous Woodland
0.00	0.00	0.00	1	 Native Invasive: Deciduous Woodland

Report Created Sat Apr 11 2020



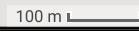
T.E.A.M. Study Area Report Lockhart Water Improvements



.20 mile buffer

 Project Area



100 m 

[Report a map error](#)

Report Created Sat Apr 11 2020



T.E.A.M. Study Area Report

Legend



Summary: Lockhart Water Improvements
284.26 Acres || 115.04 Hectares

Acres	Hectares	% Total	# Polys		Tx Ecological System
201.28	81.46	70.81	5		Blackland Prairie: Disturbance or Tame Grassland

Description: This type includes grasslands in many conditions, and introduced grasses such as Bermudagrass and King Ranch bluestem are the most frequent dominant species. Shrubs or tress such as mesquite, cedar elm, eastern redcedar, surgar hackberry, and huisache may be present, but typically have low cover.

NatureServe Number: CES205.684
NatureServe EcoSys: Texas Blackland Tallgrass Prairie
Modeled Landcover: Grassland
Descriptive Landcover: Grassland
WL Habitat Type: Non-native Pasture

201.28	81.46	70.81	5		Blackland Prairie: Disturbance or Tame Grassland
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Description: This type includes grasslands in many conditions, and introduced grasses such as Bermudagrass and King Ranch bluestem are the most frequent dominant species. Shrubs or tress such as mesquite, cedar elm, eastern redcedar, surgar hackberry, and huisache may be present, but typically have low cover.

NatureServe Number: CES205.684
NatureServe EcoSys: Texas Blackland Tallgrass Prairie
Modeled Landcover: Grassland
Descriptive Landcover: Grassland
WL Habitat Type: Non-native Pasture

42.79	17.32	15.05	11		Urban High Intensity
-------	-------	-------	----	---	-----------------------------

Description: This type consists of built-up areas and wide transportation corridors that are dominated by impervious cover.

NatureServe Number: Anthro10
NatureServe EcoSys: Urban High Intensity
Modeled Landcover: Urban High
Descriptive Landcover: Urban High
WL Habitat Type: Other

42.79	17.32	15.05	11		Urban High Intensity
-------	-------	-------	----	---	-----------------------------

Description: This type consists of built-up areas and wide transportation corridors that are dominated by impervious cover.

NatureServe Number: Anthro10
NatureServe EcoSys: Urban High Intensity
Modeled Landcover: Urban High
Descriptive Landcover: Urban High
WL Habitat Type: Other

20.79	8.41	7.31	6		Urban Low Intensity
-------	------	------	---	---	----------------------------

Description: This type includes areas that are built-up but not entirely covered by impervious cover, and includes most of the non-industrial areas within cities and towns.

NatureServe Number: Anthro11
NatureServe EcoSys: Urban Low Intensity
Modeled Landcover: Urban Low
Descriptive Landcover: Urban Low
WL Habitat Type: Other

20.79	8.41	7.31	6		Urban Low Intensity
-------	------	------	---	---	----------------------------

Description: This type includes areas that are built-up but not entirely covered by impervious cover, and includes most of the non-industrial areas within cities and towns.

NatureServe Number: Anthro11
NatureServe EcoSys: Urban Low Intensity
Modeled Landcover: Urban Low
Descriptive Landcover: Urban Low
WL Habitat Type: Other




T.E.A.M. Study Area Report



Legend

Summary: Lockhart Water Improvements
284.26 Acres || 115.04 Hectares

Acres	Hectares	% Total	# Polys	Tx Ecological System
8.33	3.37	2.93	2	 Native Invasive: Mesquite Shrubland

Description: Mesquite is most often the dominant species of this broadly defined system, which occurs throughout most of the state, except in east and south Texas. It is typically mapped on former prairie or savanna soils. Codominants vary by region, but lotebush, juniper, sugar or netleaf hackberry, pricklypear species, and agarito are common associated species.

NatureServe Number: NatInvas05
[NatureServe EcoSys](#): Native Invasive: Mesquite Shrubland
 Modeled Landcover: *CD Shrub*
 Descriptive Landcover: *Deciduous Shrubland*
 WL Habitat Type: *Native Rangeland/Brush*

8.33	3.37	2.93	2	 Native Invasive: Mesquite Shrubland
------	------	------	---	---

Description: Mesquite is most often the dominant species of this broadly defined system, which occurs throughout most of the state, except in east and south Texas. It is typically mapped on former prairie or savanna soils. Codominants vary by region, but lotebush, juniper, sugar or netleaf hackberry, pricklypear species, and agarito are common associated species.

NatureServe Number: NatInvas05
[NatureServe EcoSys](#): Native Invasive: Mesquite Shrubland
 Modeled Landcover: *CD Shrub*
 Descriptive Landcover: *Deciduous Shrubland*
 WL Habitat Type: *Native Rangeland/Brush*

5.81	2.35	2.04	2	 Open Water
------	------	------	---	--

Description: Areas that were water year-round at the time of data collection (circa 2010) are included. This includes reservoirs, rivers, canals, ponds, and marine waters along the gulf of Mexico are also mapped.

NatureServe Number: Azonal01
[NatureServe EcoSys](#): Open Water
 Modeled Landcover: *Open Water*
 Descriptive Landcover: *Open Water*
 WL Habitat Type: *Other*

5.81	2.35	2.04	2	 Open Water
------	------	------	---	--

Description: Areas that were water year-round at the time of data collection (circa 2010) are included. This includes reservoirs, rivers, canals, ponds, and marine waters along the gulf of Mexico are also mapped.

NatureServe Number: Azonal01
[NatureServe EcoSys](#): Open Water
 Modeled Landcover: *Open Water*
 Descriptive Landcover: *Open Water*
 WL Habitat Type: *Other*

3.46	1.40	1.22	1	 Central Texas: Floodplain Herbaceous Vegetation
------	------	------	---	---

Description: A variety of generally tame or successional grasslands and forblands are mapped in this type, with Bermudagrass, Johnsongrass, and bahiagrass (east) all common. Important native species include creek oats, vine mesquite, Eastern gamagrass, and switchgrass.

NatureServe Number: CES205.710
[NatureServe EcoSys](#): Southeastern Great Plains Floodplain Forest
 Modeled Landcover: *Grassland*
 Descriptive Landcover: *Floodplain Grassland*
 WL Habitat Type: *Bottomland/Riparian*

3.46	1.40	1.22	1	 Central Texas: Floodplain Herbaceous Vegetation
------	------	------	---	---

Description: A variety of generally tame or successional grasslands and forblands are mapped in this type, with Bermudagrass, Johnsongrass, and bahiagrass (east) all common. Important native species include creek oats, vine mesquite, Eastern gamagrass, and switchgrass.

NatureServe Number: CES205.710
[NatureServe EcoSys](#): Southeastern Great Plains Floodplain Forest
 Modeled Landcover: *Grassland*
 Descriptive Landcover: *Floodplain Grassland*
 WL Habitat Type: *Bottomland/Riparian*



T.E.A.M. Study Area Report



Legend

Summary: Lockhart Water Improvements
284.26 Acres || 115.04 Hectares

Acres	Hectares	% Total	# Polys	Tx Ecological System
1.79	0.73	0.63	3	Barren

Description: This type includes areas where little or no vegetation cover existed at the time of image data collection. Many areas mapped as this type are human-associated land clearings.

NatureServe Number:	Azonal02
NatureServe EcoSys:	Barren
Modeled Landcover:	Barren
Descriptive Landcover:	Barren
WL Habitat Type:	Other

1.79	0.73	0.63	3	Barren
------	------	------	---	--------

Description: This type includes areas where little or no vegetation cover existed at the time of image data collection. Many areas mapped as this type are human-associated land clearings.

NatureServe Number:	Azonal02
NatureServe EcoSys:	Barren
Modeled Landcover:	Barren
Descriptive Landcover:	Barren
WL Habitat Type:	Other

0.00	0.00	0.00	1	Native Invasive: Deciduous Woodland
------	------	------	---	-------------------------------------

Description: This broadly-defined type is mapped on prairie soils from the Blacklands Prairie region westward. These areas have often been heavily grazed, formerly plowed, or fire suppressed. Common species across all regions may include mesquite, sugar or netleaf hackberry, and cedar elm. Juniper species are often a component. To the west, species such as Siberian elm and western soapberry are common.

NatureServe Number:	NatInvas03
NatureServe EcoSys:	Native Invasive: Deciduous Woodland
Modeled Landcover:	CD Forest
Descriptive Landcover:	Deciduous Forest
WL Habitat Type:	Native Rangeland/Brush

0.00	0.00	0.00	1	Native Invasive: Deciduous Woodland
------	------	------	---	-------------------------------------

Description: This broadly-defined type is mapped on prairie soils from the Blacklands Prairie region westward. These areas have often been heavily grazed, formerly plowed, or fire suppressed. Common species across all regions may include mesquite, sugar or netleaf hackberry, and cedar elm. Juniper species are often a component. To the west, species such as Siberian elm and western soapberry are common.

NatureServe Number:	NatInvas03
NatureServe EcoSys:	Native Invasive: Deciduous Woodland
Modeled Landcover:	CD Forest
Descriptive Landcover:	Deciduous Forest
WL Habitat Type:	Native Rangeland/Brush

Attachment 2



Floodplain, Wetland and Soils Maps



The closest wetland is located approximately 300 ft from the project site.

No impact is expected due to proximity.

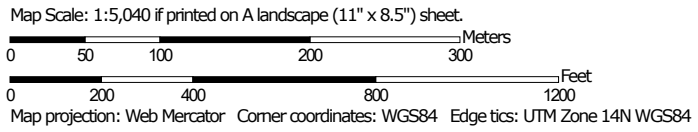
- Lockhart Project Site Area
- Project Alternative Location

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 	
Contract #	7219231	PO Box 90696, Austin, TX 78709	
Map Information	USFWS National Wetland Inventory	512-443-4100	
Date	April 20	Environmental Service Provider	

Soil Map—Caldwell County, Texas
(Lockhart Water Line Installation)



Soil Map may not be valid at this scale.



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



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



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

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: Caldwell County, Texas

Survey Area Data: Version 15, Sep 12, 2019

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

Date(s) aerial images were photographed: Jan 11, 2016—Nov 30, 2017

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.

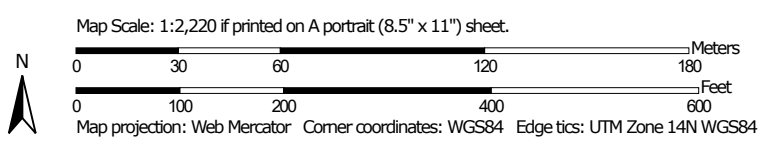
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BrA	Branyon clay, 0 to 1 percent slopes	1.0	29.4%
BuA	Burleson clay, 0 to 1 percent slopes	1.8	51.0%
MaA	Mabank loam, 0 to 1 percent slopes	0.7	19.6%
Totals for Area of Interest		3.6	100.0%

Soil Map—Caldwell County, Texas
(Lockhart Project Alternative Location)



Soil Map may not be valid at this scale.



Soil Map—Caldwell County, Texas
(Lockhart Project Alternative Location)


MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



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



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

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: Caldwell County, Texas
Survey Area Data: Version 15, Sep 12, 2019

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

Date(s) aerial images were photographed: Jan 11, 2016—Nov 30, 2017

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
BrA	Branyon clay, 0 to 1 percent slopes	0.1	12.9%
BuA	Burleson clay, 0 to 1 percent slopes	0.7	87.1%
Totals for Area of Interest		0.8	100.0%

Attachment 3

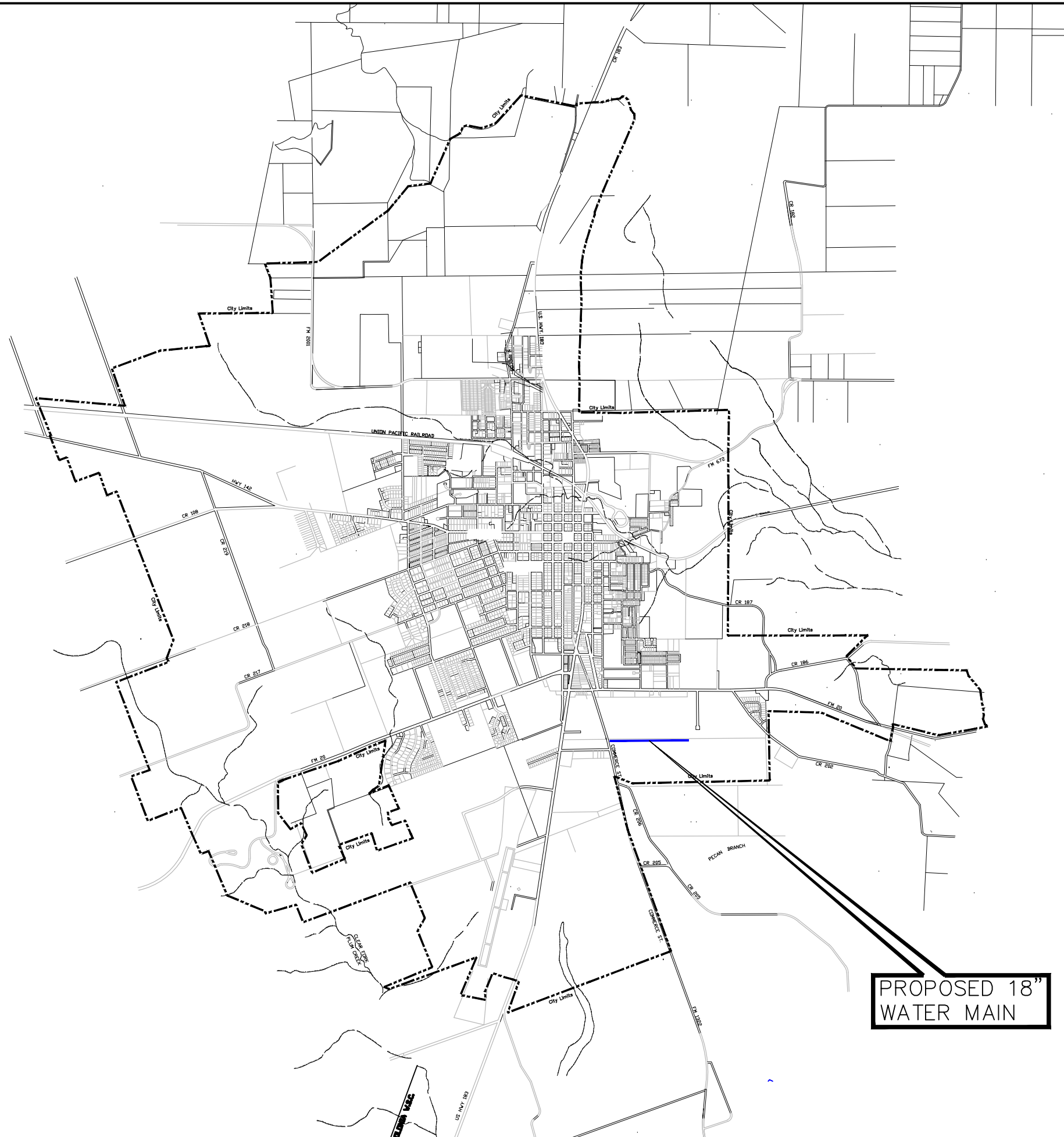
Site Visit Pictures

City of Lockhart New Water Line Contract #7219231



Attachment 4

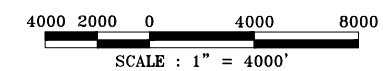
Project Engineering



LEGEND

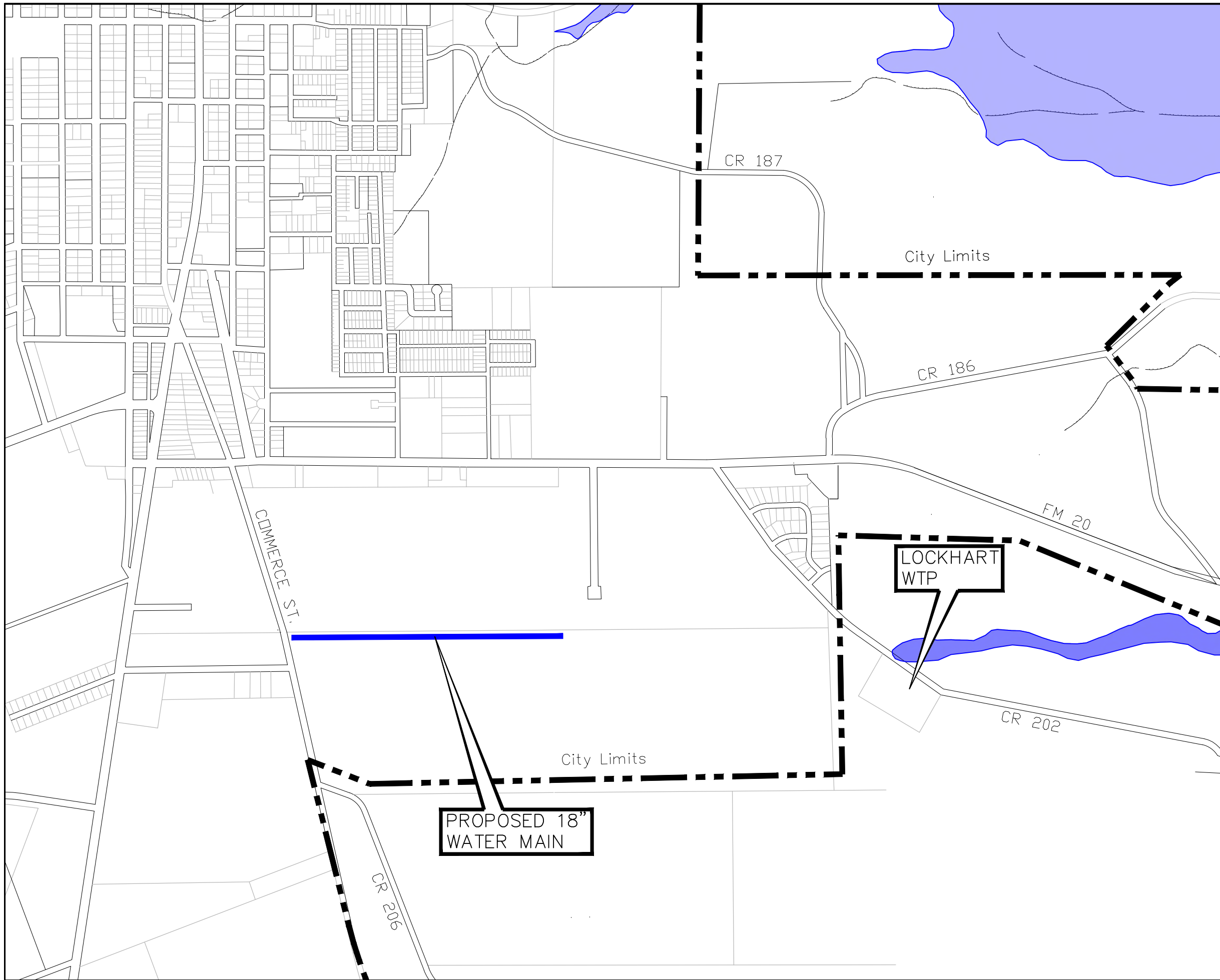
 PROPOSED 18" WATER MAIN

N





2019 CDBG WATER IMPROVEMENTS
 CITY LIMIT MAP
 LOCKHART, TEXAS
 FEBRUARY 2019

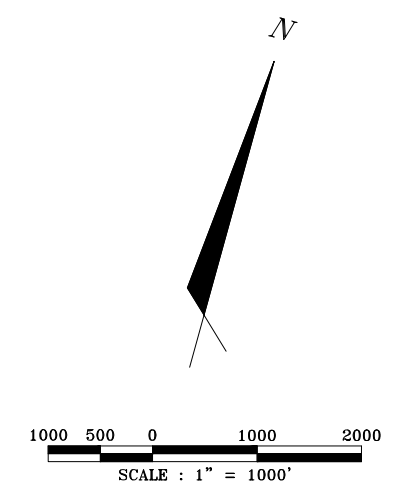




LEGEND

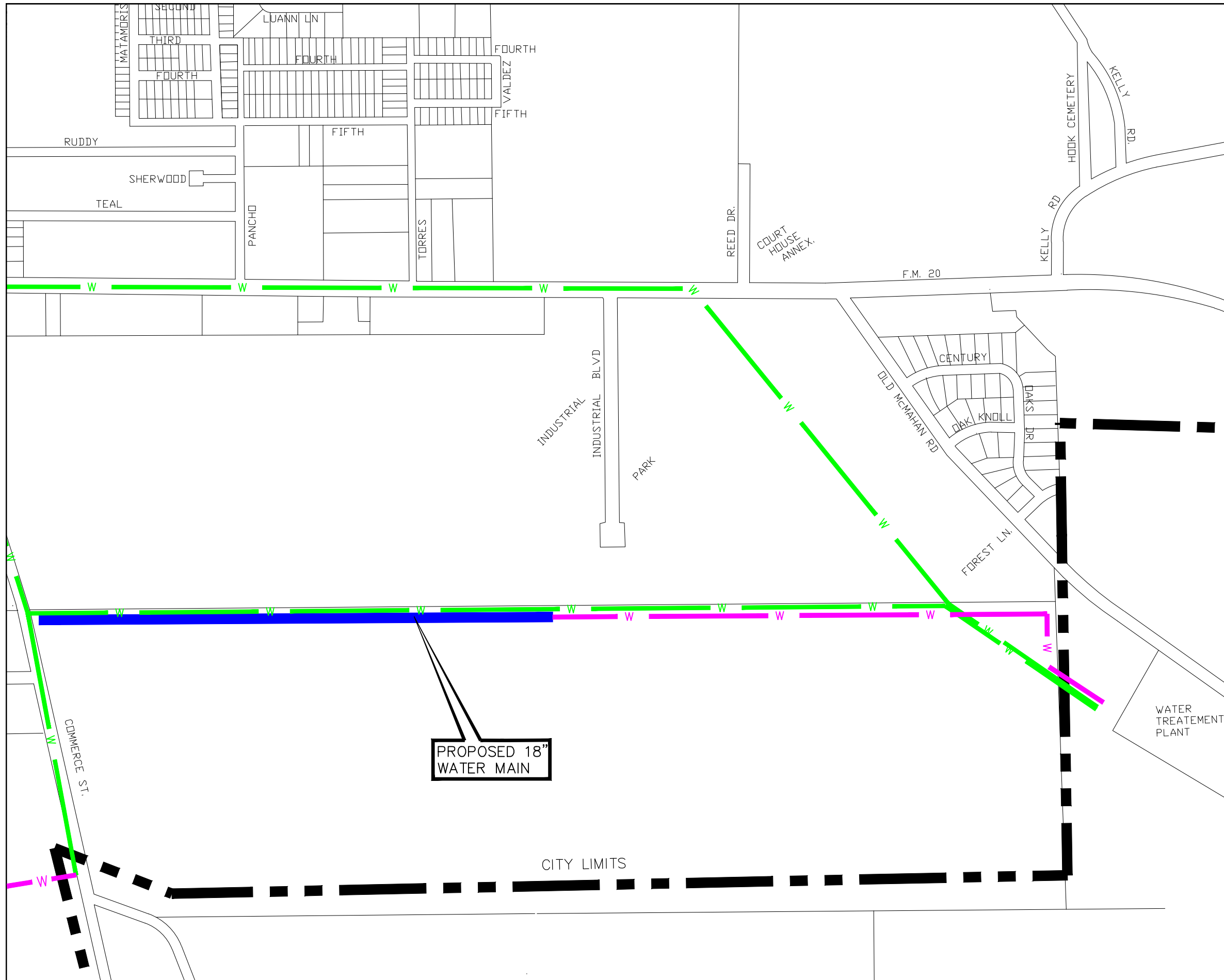
-  PROPOSED 18" WATER MAIN
-  100 YEAR FLOODPLAIN

FEMA FLOOD PLAIN MAP
PANEL FM48055C0235E



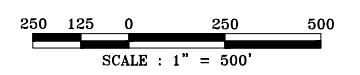
2019 CDBG WATER IMPROVEMENTS
FEMA MAP
LOCKHART, TEXAS
FEBRUARY 2019





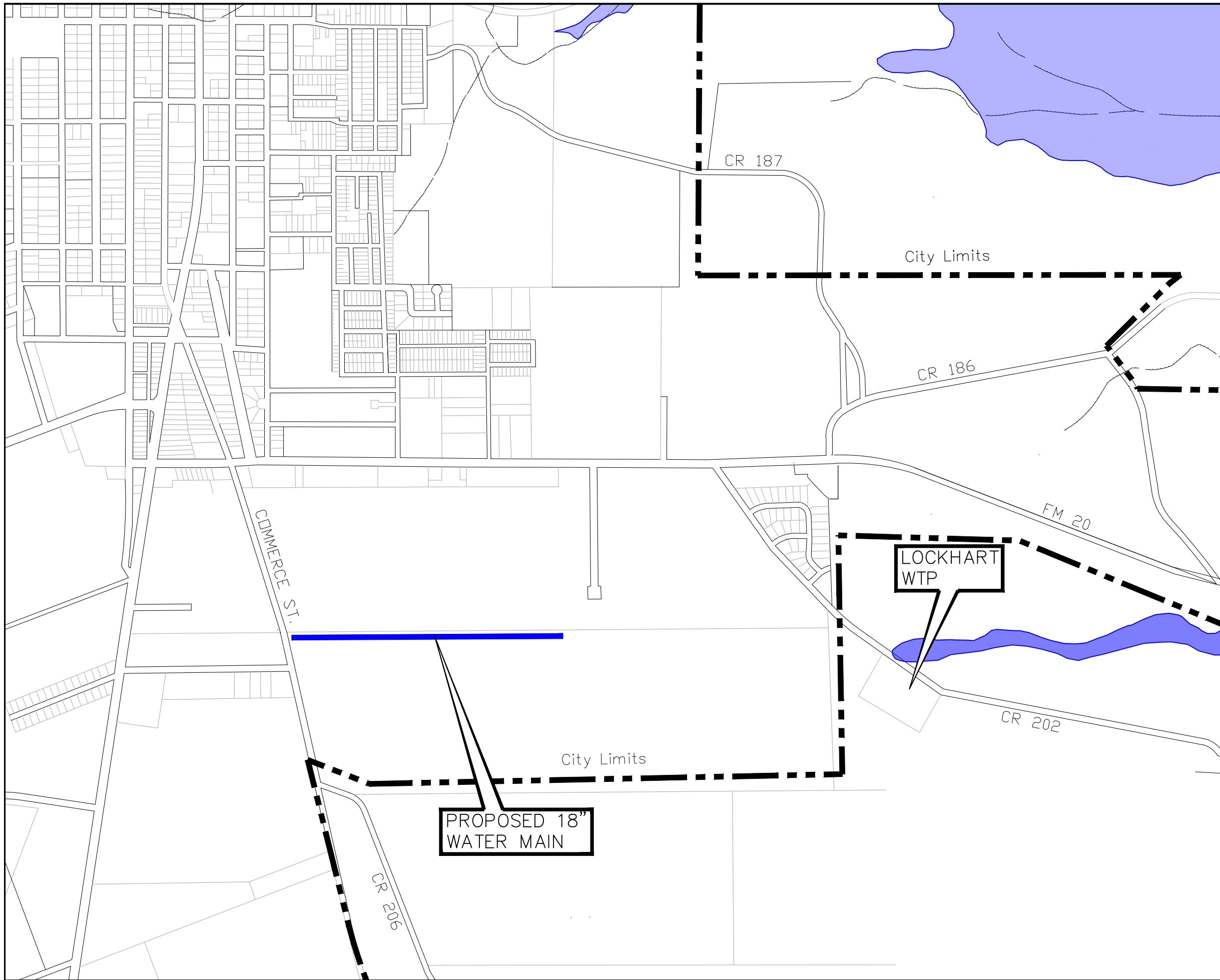
LEGEND

- █ PROPOSED 18" WATER MAIN
- █ W EXISTING 18" WATER MAIN
- █ W EXISTING 12" WATER MAIN



2019 CDBG WATER IMPROVEMENTS
 REVISED PROJECT MAP
 LOCKHART, TEXAS
 FEBRUARY 2019

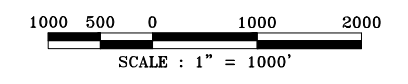
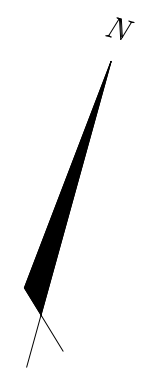




LEGEND

- PROPOSED 18" WATER MAIN
- 100 YEAR FLOODPLAIN

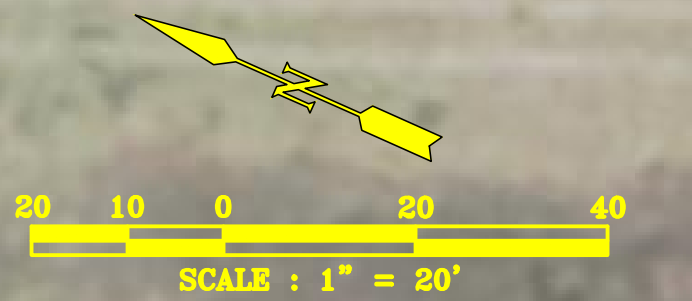
FEMA FLOOD PLAIN MAP
PANEL FM48055C0235E



2019 CDBG WATER IMPROVEMENTS
FEMA MAP
LOCKHART, TEXAS
FEBRUARY 2019

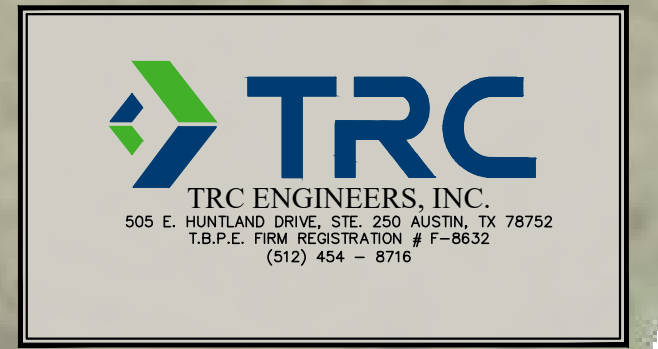
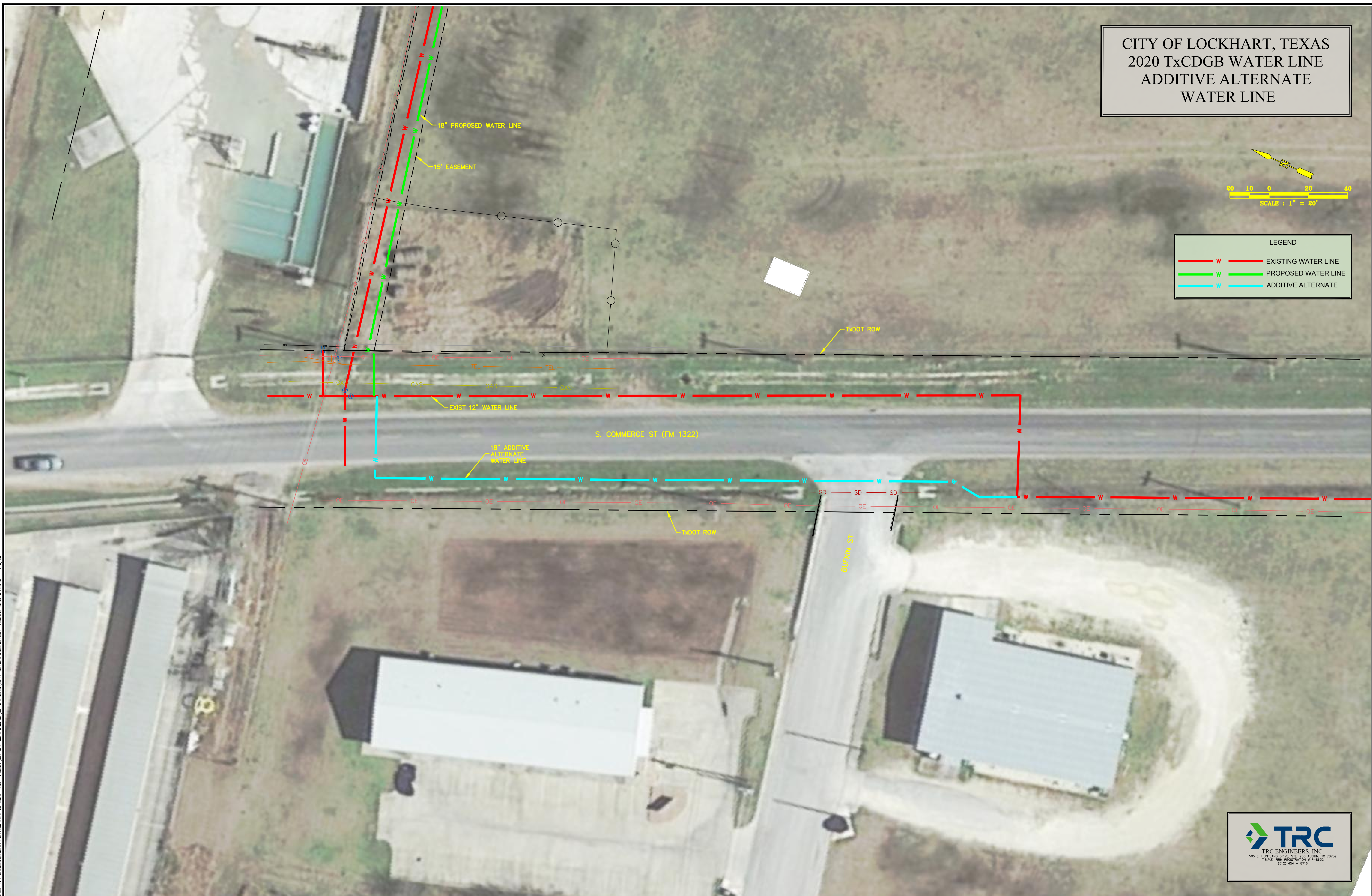


CITY OF LOCKHART, TEXAS
 2020 TxCDBG WATER LINE
 ADDITIVE ALTERNATE
 WATER LINE



LEGEND

	EXISTING WATER LINE
	PROPOSED WATER LINE
	ADDITIVE ALTERNATE



F:\WORK IN PROGRESS\LOCKHART\31008_2019-20_CDBG_WATER_PROJECT\300_CAD-GIS_DRAWINGS\01_DRAWINGS\01_A WORKING DMS\EXHIBIT - ADDITIVE ALTERNATE.DWG - 4/10/20

ATTACHMENT 8

Explosive and Flammable Operations [24 CFR 51C]

- Petroleum Storage Tanks Registration & Mapping of Tanks
 - Above Ground Storage Tanks and Acceptable Separation Distance

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
Reference		
https://www.hudexchange.info/environmental-review/explosive-and-flammable-facilities		

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 project is located at an existing utility easement and the replacement line will be laid where other utilities already exist. The project is consistent with this item. See project description.

Are formal compliance steps or mitigation required?

Yes

No

ATTACHMENT 9

FARMLANDS PROTECTION

- Farmland Protection Agency Act

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.)	7 CFR Part 658
Reference		
https://www.hudexchange.info/environmental-review/farmlands-protection		

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.*
 No

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

Project is in existing utility easement. No new disturbance of soils. See Tab 5, General Location Maps.

→ *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=nracs> or your NRCS state soil scientist 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 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.)
- 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

Project is consistent with this item. Location is within existing utility easement.. No new disturbance of soils. See Tab 5, General Location Maps.

Are formal compliance steps or mitigation required?

Yes

No

Land Use

- Cropland
- Farmland Protection Policy Act**
- Forestry
- Range & Pasture

Annual Reports

Farmland Protection Policy Act 2012 Annual Report 

Farmland Protection Policy Act

Latest Feature

To know more about the Farmland Protection Policy Act, you can play the webinar below or download the webinar's [PowerPoint file](#) .



Web Soil Survey Farmland Classification Report



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. The final rules and regulations were published in the Federal Register on June 17, 1994.

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

[Michael Robotham](#), National Leader -Soil Interpretations, 402-437-4098

[Mabel Kenyon](#), Program Analyst-Soil Science Division, 202-692-0099

[State FPPA Contacts](#)

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

[Privacy Policy](#) | [Non-Discrimination Statement](#) | [Information Quality](#) | [USA.gov](#) | [Whitehouse.gov](#) |

ATTACHMENT 10

Floodplain Management

- Federal Emergency Management Agency (FEMA) Floodplain Map

Floodplain Management (CEST and EA)

General Requirements	Legislation	Regulation
Executive Order 11988, Floodplain Management, requires Federal activities to avoid impacts to floodplains and to avoid direct and indirect support of floodplain development to the extent practicable.	Executive Order 11988	24 CFR 55
Reference		
https://www.hudexchange.info/environmental-review/floodplain-management		

1. Does [24 CFR 55.12\(c\)](#) exempt this project from compliance with HUD's floodplain management regulations in Part 55?

Yes

Provide the applicable citation at 24 CFR 55.12(c) here. If project is exempt under 55.12(c)(7) or (8), provide supporting documentation.

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

No → *Continue to Question 2.*

2. **Provide a FEMA/FIRM or ABFE map showing the site.**

The Federal Emergency Management Agency (FEMA) designates floodplains. The FEMA Map Service Center provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs) or Advisory Base Flood Elevations (ABFEs). For projects in areas not mapped by FEMA, use the best available information to determine floodplain information. Include documentation, including a discussion of why this is the best available information for the site.

Does your project occur in a floodplain?

No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.*

Yes

Select the applicable floodplain using the FEMA map or the best available information:

Floodway → *Continue to Question 3, Floodways*

- Coastal High Hazard Area (V Zone) → *Continue to Question 4, Coastal High Hazard Areas*
- 500-year floodplain (B Zone or shaded X Zone) → *Continue to Question 5, 500-year Floodplains*
- 100-year floodplain (A Zone) → *The 8-Step Process is required. Continue to Question 6, 8-Step Process*

3. **Floodways**

Is this a functionally dependent use?

- Yes

The 8-Step Process is required. Work with your HUD FEO to determine a way to satisfactorily continue with this project. Provide a completed 8-Step Process, including the early public notice and the final notice.

→ *Continue to Question 6, 8-Step Process*

- No

Federal assistance may not be used at this location unless a 55.12(c) exception applies. You must either choose an alternate site or cancel the project at this location.

4. **Coastal High Hazard Area**

Is this a critical action?

- Yes

Critical actions are prohibited in coastal high hazard areas. Federal assistance may not be used at this location. Unless the action is excepted at 24 CFR 55.12(c), you must either choose an alternate site or cancel the project.

- No

Does this action include construction that is not a functionally dependent use, existing construction (including improvements), or reconstruction following destruction caused by a disaster?

- Yes, there is new construction.

New construction is prohibited in V Zones ((24 CFR 55.1(c)(3)).

- No, this action concerns only a functionally dependent use, existing construction(including improvements), or reconstruction following destruction caused by a disaster.

This construction must have met FEMA elevation and construction standards for a coastal high hazard area or other standards applicable at the time of construction.

→ Continue to Question 6, 8-Step Process

5. 500-year Floodplain

Is this a critical action?

No → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

Yes → Continue to Question 6, 8-Step Process

6. 8-Step Process.

Does the 8-Step Process apply? Select one of the following options:

8-Step Process applies.

Provide a completed 8-Step Process, including the early public notice and the final notice.

→ Continue to Question 7, Mitigation

5-Step Process is applicable per 55.12(a)(1-3).

Provide documentation of 5-Step Process.

Select the applicable citation:

55.12(a)(1) HUD actions involving the disposition of HUD-acquired multifamily housing projects or “bulk sales” of HUD-acquired one- to four-family properties in communities that are in the Regular Program of the National Flood Insurance Program (NFIP) and in good standing (i.e., not suspended from program eligibility or placed on probation under 44 CFR 59.24).

55.12(a)(2) HUD's actions under the National Housing Act (12 U.S.C. 1701) for the purchase or refinancing of existing multifamily housing projects, hospitals, nursing homes, assisted living facilities, board and care facilities, and intermediate care facilities, in communities that are in good standing under the NFIP.

55.12(a)(3) HUD's or the recipient's actions under any HUD program involving the repair, rehabilitation, modernization, weatherization, or improvement of existing multifamily housing projects, hospitals, nursing homes, assisted living facilities, board and care facilities, intermediate care facilities, and one- to four-family properties, in communities that are in the Regular Program of the National Flood Insurance Program (NFIP) and are in good standing, provided that the number of units is not increased more than 20 percent, the action does not involve a conversion from nonresidential to residential land use, the action does not meet the thresholds for “substantial improvement” under § 55.2(b)(10), and the footprint of the structure and paved areas is not significantly increased.

55.12(a)(4) HUD's (or the recipient's) actions under any HUD program involving the repair, rehabilitation, modernization, weatherization, or improvement of existing nonresidential buildings and structures, in communities that are in the

Regular Program of the NFIP and are in good standing, provided that the action does not meet the thresholds for “substantial improvement” under § 55.2(b)(10) and that the footprint of the structure and paved areas is not significantly increased.

→ *Continue to Question 7, Mitigation*

- 8-Step Process is inapplicable per 55.12(b)(1-4).

Select the applicable citation:

- 55.12(b)(1) HUD's mortgage insurance actions and other financial assistance for the purchasing, mortgaging or refinancing of existing one- to four-family properties in communities that are in the Regular Program of the National Flood Insurance Program (NFIP) and in good standing (i.e., not suspended from program eligibility or placed on probation under 44 CFR 59.24), where the action is not a critical action and the property is not located in a floodway or coastal high hazard area.
- 55.12(b)(2) Financial assistance for minor repairs or improvements on one- to four-family properties that do not meet the thresholds for “substantial improvement” under § 55.2(b)(10)
- 55.12(b)(3) HUD actions involving the disposition of individual HUD-acquired, one- to four-family properties.
- 55.12(b)(4) HUD guarantees under the Loan Guarantee Recovery Fund Program (24 CFR part 573) of loans that refinance existing loans and mortgages, where any new construction or rehabilitation financed by the existing loan or mortgage has been completed prior to the filing of an application under the program, and the refinancing will not allow further construction or rehabilitation, nor result in any physical impacts or changes except for routine maintenance.
- 55.12(b)(5) The approval of financial assistance to lease an existing structure located within the floodplain, but only if—
- (i) The structure is located outside the floodway or Coastal High Hazard Area, and is in a community that is in the Regular Program of the NFIP and in good standing (i.e., not suspended from program eligibility or placed on probation under 44 CFR 59.24);
 - (ii) The project is not a critical action; and
 - (iii) The entire structure is or will be fully insured or insured to the maximum under the NFIP for at least the term of the lease.

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

7. Mitigation

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 mitigate for the impact or effect, including the timeline for implementation.

Which of the following mitigation/minimization measures have been identified for this project in the 8-Step or 5-Step Process? Select all that apply.

- Permeable surfaces
- Natural landscape enhancements that maintain or restore natural hydrology
- Planting or restoring native plant species
- Bioswales
- Evapotranspiration
- Stormwater capture and reuse
- Green or vegetative roofs with drainage provisions
- Natural Resources Conservation Service conservation easements or similar easements
- Floodproofing of structures
- Elevating structures including freeboarding above the required base flood elevations
- Other

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

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 is consistent with this item. The project is not located within the 100-year floodplain See Tab 6, Attachment 10; according to FEMA NFHL Panel 48055C0235E, Effective 6/19/2012. See Tab 6, Attachment 10.

Are formal compliance steps or mitigation required?

Yes



No



According to the FEMA flood panel 48055C0235E, Effective 6/19/2012, the Lockhart Project is not located within a floodplain.

In the event funding remains, this project includes an added alternate line to connect from the project site at S. Commerce Street heading southeast to an existing water line at S. Commerce Street to Martin Luther King Industrial Blvd.

- Lockhart Project Site Area
- Project Alternative Location

Client Name	City of Lockhart Water Improvements Project	 Future Link Technologies	
Contract #	7219231	PO Box 90696, Austin, TX 78709	
Map Information	FEMA National Flood Hazard Layer	512-443-4100	
Date	April 20	Environmental Service Provider	

ATTACHMENT 11

HISTORIC PRESERVATION

- Texas Historical Commission Approval
- Tribal Consultation For Tribes With Interests In Historic Properties Of Religious And Cultural Significance To Tribes
- Tribal Correspondence

Historic Preservation (CEST and EA)

General requirements	Legislation	Regulation
Regulations under Section 106 of the National Historic Preservation Act (NHPA) require a consultative process to identify historic properties, assess project impacts on them, and avoid, minimize, or mitigate adverse effects	Section 106 of the National Historic Preservation Act (16 U.S.C. 470f)	36 CFR 800 "Protection of Historic Properties"
References		
https://www.hudexchange.info/environmental-review/historic-preservation		

Threshold

Is Section 106 review required for your project?

- No, because the project consists solely of activities listed as exempt in a Programmatic Agreement (PA). (See the [PA Database](#) to find applicable PAs.)

Either provide the PA itself or a link to it here. Mark the applicable exemptions or include the text here:

The project meets the PA agreement between Texas Historical Commission and Texas Department of Agriculture. However, the project was submitted to THC at the request of TDA. The approval by THC is incorporated into the environmental record.

→ Continue to the Worksheet Summary.

- No, because the project consists solely of activities included in a No Potential to Cause Effects memo or other determination [36 CFR 800.3(a)(1)].

Either provide the memo itself or a link to it here. Explain and justify the other determination here:

→ Continue to the Worksheet Summary.

- Yes, because the project includes activities with potential to cause effects (direct or indirect). → Continue to Step 1.

The Section 106 Process

After determining the need to do a Section 106 review, initiate consultation with regulatory and other interested parties, identify and evaluate historic properties, assess effects of the project on properties listed on or eligible for the National Register of Historic Places, and resolve any adverse effects through project design modifications or mitigation.

Note that consultation continues through all phases of the review.

Step 1: Initiate consultation

Step 2: Identify and evaluate historic properties

Step 3: Assess effects of the project on historic properties

Step 4: Resolve any adverse effects

Step 1 - Initiate Consultation

The following parties are entitled to participate in Section 106 reviews: Advisory Council on Historic Preservation; State Historic Preservation Officers (SHPOs); federally recognized Indian tribes/Tribal Historic Preservation Officers (THPOs); Native Hawaiian Organizations (NHOs); local governments; and project grantees. The general public and individuals and organizations with a demonstrated interest in a project may participate as consulting parties at the discretion of the RE or HUD official. Participation varies with the nature and scope of a project. Refer to HUD's website for guidance on consultation, including the required timeframes for response. Consultation should begin early to enable full consideration of preservation options.

Use the [When To Consult With Tribes checklist](#) within [Notice CPD-12-006: Process for Tribal Consultation](#) to determine if you should invite tribes to consult on a particular project. Use the [Tribal Directory Assessment Tool \(TDAT\)](#) to identify tribes that may have an interest in the area where the project is located. Note that consultants may not initiate consultation with Tribes.

Select all consulting parties below (check all that apply):

- State Historic Preservation Officer (SHPO)
- Advisory Council on Historic Preservation
- Indian Tribes, including Tribal Historic Preservation Officers (THPOs) or Native
- Hawaiian Organizations (NHOs)

List all tribes that were consulted here and their status of consultation:

None per the HUD tool entitled "**When To Consult With Tribes Under Section 106**". The project does not include new ground disturbance as the existing utility easement already holds an existing insufficient capacity distribution water line from the plant to Lockhart. The easement is also used for other utilities as well.

- Other Consulting Parties

List all consulting parties that were consulted here and their status of consultation:

Describe the process of selecting consulting parties and initiating consultation here:

Provide all correspondence, notices, and notes (including comments and objections received) and continue to Step 2.

Step 2 - Identify and Evaluate Historic Properties

Define the Area of Potential Effect (APE), either by entering the address(es) or providing a map depicting the APE. Attach an additional page if necessary.

See Tab 6, Attachment 11.

Gather information about known historic properties in the APE. Historic buildings, districts and archeological sites may have been identified in local, state, and national surveys and registers, local historic districts, municipal plans, town and county histories, and local history websites. If not already listed on the National Register of Historic Places, identified properties are then evaluated to see if they are eligible for the National Register. Refer to HUD’s website for guidance on identifying and evaluating historic properties.

In the space below, list historic properties identified and evaluated in the APE.

Every historic property that may be affected by the project should be listed. For each historic property or district, include the National Register status, whether the SHPO has concurred with the finding, and whether information on the site is sensitive. Attach an additional page if necessary.

None were identified.

Provide the documentation (survey forms, Register nominations, concurrence(s) and/or objection(s), notes, and photos) that justify your National Register Status determination.

Was a survey of historic buildings and/or archeological sites done as part of the project?

If the APE contains previously unsurveyed buildings or structures over 50 years old, or there is a likely presence of previously unsurveyed archeological sites, a survey may be necessary. For Archeological surveys, refer to HP Fact Sheet #6, [Guidance on Archeological Investigations in HUD Projects](#).

- Yes → *Provide survey(s) and report(s) and continue to Step 3.*

Additional notes:

- No → *Continue to Step 3.*

Step 3 - Assess Effects of the Project on Historic Properties

Only properties that are listed on or eligible for the National Register of Historic Places receive further consideration under Section 106. Assess the effect(s) of the project by applying the Criteria of Adverse Effect. ([36 CFR 800.5](#)) Consider direct and indirect effects as applicable as per HUD guidance.

Choose one of the findings below - No Historic Properties Affected, No Adverse Effect, or Adverse Effect; and seek concurrence from consulting parties.

- No Historic Properties Affected

Document reason for finding:

- No historic properties present. → *Provide concurrence(s) or objection(s) and continue to the Worksheet Summary.*
- Historic properties present, but project will have no effect upon them. → *Provide concurrence(s) or objection(s) and continue to the Worksheet Summary.*

If consulting parties concur or fail to respond to user’s request for concurrence, project is in compliance with this section. No further review is required. If consulting parties object, refer to [\(36 CFR 800.4\(d\)\(1\)\)](#) and consult further to try to resolve objection(s).

No Adverse Effect

Document reason for finding:

Does the No Adverse Effect finding contain conditions?

Yes

Check all that apply: (check all that apply)

- Avoidance
- Modification of project
- Other

Describe conditions here:

→ *Monitor satisfactory implementation of conditions. Provide concurrence(s) or objection(s) and continue to the Worksheet Summary.*

No → *Provide concurrence(s) or objection(s) and continue to the Worksheet Summary.*

If consulting parties concur or fail to respond to user's request for concurrence, project is in compliance with this section. No further review is required. If consulting parties object, refer to ([36 CFR 800.5\(c\)\(2\)](#)) and consult further to try to resolve objection(s).

Adverse Effect

Document reason for finding:

Copy and paste applicable Criteria into text box with summary and justification.

Criteria of Adverse Effect: [36 CFR 800.5](#)]

Notify the Advisory Council on Historic Preservation of the Adverse Effect and provide the documentation outlined in [36 CFR 800.11\(e\)](#). The Council has 15 days to decide whether to enter the consultation (Not required for projects covered by a Programmatic Agreement).

→ *Continue to Step 4.*

Step 4 - Resolve Adverse Effects

Work with consulting parties to try to avoid, minimize or mitigate adverse effects. Refer to HUD guidance and [36 CFR 800.6 and 800.7](#).

Were the Adverse Effects resolved?

Yes

Describe the resolution of Adverse Effects, including consultation efforts and participation by the Advisory Council on Historic Preservation:

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 mitigate for the impact or effect, including the timeline for implementation.

→ *Provide signed Memorandum of Agreement (MOA) or Standard Mitigation Measures Agreement (SMMA). Continue to the Worksheet Summary.*

No

The project must be cancelled unless the “Head of Agency” approves it. Either provide approval from the “Head of Agency” or cancel the project at this location.

Describe the failure to resolve Adverse Effects, including consultation efforts and participation by the Advisory Council on Historic Preservation and “Head of the Agency”:

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

→ *Provide correspondence, comments, documentation of decision, and “Head of Agency” approval. 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 was submitted to THC on 04/17/20 with a THC approval on 05/12/20. See Tab 6, Attachment 11.

Are formal compliance steps or mitigation required?

Yes

No

From: noreply@thc.state.tx.us
To: lhertzler@future-link.biz; reviews@thc.state.tx.us
Subject: Project Review: 202011713
Date: Tuesday, May 12, 2020 10:02:15 AM



Re: Project Review under Section 106 of the National Historic Preservation Act and/or the Antiquities Code of Texas

THC Tracking #202011713

Lockhart Water Improvements
Cross country at Commerce to Plant
Lockhart, TX 78644

Dear Latrice Hertzler:

Thank you for your submittal regarding the above-referenced project.

The review staff led by Jeff Durst 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 effect on archeological sites. However, if buried 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 you have any questions concerning our review or if we can be of further assistance, please email the following reviewers: Jeff.Durst@thc.texas.gov, caitlin.brashear@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.

mharmon@future-link.biz

From: Latrice Hertzler <lhertzler@future-link.biz>
Sent: Friday, April 17, 2020 9:09 AM
To: 'Gandolf Burrus'; 'Katerina Dittimore'
Cc: mharmon@future-link.biz
Subject: FW: Project Review Submission

Fyi.

This was submitted today.

From: Info_Tech@thc.state.tx.us <Info_Tech@thc.state.tx.us>
Sent: Friday, April 17, 2020 9:06 AM
To: lhertzler@future-link.biz
Subject: Project Review Submission

Thank you for submitting project: Lockhart Water Improvements

Tracking Number: 202011713

Due Date: 5/17/2020 8:48:42 AM

TEXAS HISTORICAL COMMISSION

TEXAS HISTORICAL COMMISSION

REQUEST FOR SHPO CONSULTATION:

Section 106 of the National Historic Preservation Act and/or the Antiquities Code of Texas

Please see instructions for completing this form and additional information on Section 106 and Antiquities Code consultation on the Texas Historical Commission website at http://www.thc.state.tx.us/crm/crmsend.shtml.

- This is a new submission.
This is additional information relating to THC tracking number(s):

Project Information
PROJECT NAME: City of Lockhart Water Improvements Project
PROJECT ADDRESS: 29° 52'0.81"N. 97° 39'49.61" to 29° 52'0.81"N. 97° 39'49.61"W
PROJECT CITY: Lockhart
PROJECT ZIP CODE(S): 78644
PROJECT COUNTY OR COUNTIES: Caldwell
PROJECT TYPE: Site Excavation, Utilities and Infrastructure
BRIEF PROJECT DESCRIPTION: Contractor shall increase water flow rates and reduce excessive pressure in the water system by replacing aged, inadequately sized 15 in. water line with approximately 2,600 LF 18 in. water line, 4 - 18 in. valves, fittings, 1 fire hydrant, and all associated appurtenances and reconnects.

Project Contact Information
PROJECT CONTACT NAME: Latrice Hertzler
TITLE: Environmental Reviewer
ORGANIZATION: Future Link Technologies, Inc
ADDRESS: 225 Commons Ford Rd Suite 123
CITY: Austin, STATE: TX ZIP CODE: 78733
PHONE: 512-443-4100
EMAIL: lhertzler@future-link.biz

Federal Involvement (Section 106 of the National Historic Preservation Act)
Does this project involve approval, funding, permit, or license from a federal agency?
FEDERAL AGENCY: FEDERAL PROGRAM, FUNDING, OR PERMIT TYPE:
CONTACT PERSON: PHONE:
ADDRESS: EMAIL:

State Involvement (Antiquities Code of Texas)
Does this project occur on land or property owned by the State of Texas or a political subdivision of the state?
CURRENT OR FUTURE OWNER OF THE PUBLIC LAND: City of Lockhart
CONTACT PERSON: Sean Kelley, Utilities Director
PHONE: 512.398.6452
ADDRESS: PO Box 239 Lockhart, TX 78644
EMAIL: skelley@lockhart-tx.org

Identification of Historic Properties: Archeology

Does this project involve ground-disturbing activity?
 Yes (Please complete this section) No (Skip to next section)

Describe the nature of the ground-disturbing activity, including but not limited to depth, width, and length.
 Project will install 2,600 lf of 18 in water line cross country in an existing easement located approximately 2,500 lf southwest of existing water plant just (south of Blackjack Street 29° 52'0.81"N. 97° 39'49.61"W) toward Commerce Street ending at 29° 52'5.79"N. 97° 39'19.03"W. This also includes an possible additive alternative of approximately 1,300 lf south along Commerce Street to MLK Industry Blvd to an existing fire hydrant.

Describe the previous and current land use, conditions, and disturbances.
 The land from the water plant to Commerce Street was previously used for farming/ranching and is currently serves as an easement for other utility lines. New water line will be laid parallel to other utilities in existing easement. In addition, this proposed line will connect at either end to existing water lines respectively near water plant and at Commerce Street. Additive alternative line will also be in existing easements laid parallel to other existing lines.

Identification of Historic Properties: Structures

Does the project area or area of potential effects include buildings, structures, or designed landscape features (such as parks or cemeteries) that are 45 years of age or older?
 Yes (Please complete this section) No (Skip to next section)

Is the project area or area of potential effects within or adjacent to a property or district that is listed in or eligible for listing in the National Register of Historic Places?
 Yes, name of property or district: No Unknown

In the space below or as an attachment, describe each building, structure, or landscape feature within the project area or area of potential effect that is 45 years of age or older.

ADDRESS	DATE OF CONSTRUCTION	SOURCE FOR CONSTRUCTION DATE

Attachments

[Please see detailed instructions regarding attachments.](#)

Include the following with each submission:

- Project Work Description
- Maps
- Identification of Historic Properties
- Photographs

For Section 106 reviews only, also include:

- Consulting Parties/Public Notification
- Area of Potential Effects
- Determination of Eligibility
- Determination of Effect

Submit completed form and attachments to the address below. Faxes and email are not acceptable.

Mark Wolfe
 State Historic Preservation Officer
 Texas Historical Commission
 P.O. Box 12276, Austin, TX 78711-2276 (mail service)
 108 W. 16th Street, Austin, TX 78701 (courier service)

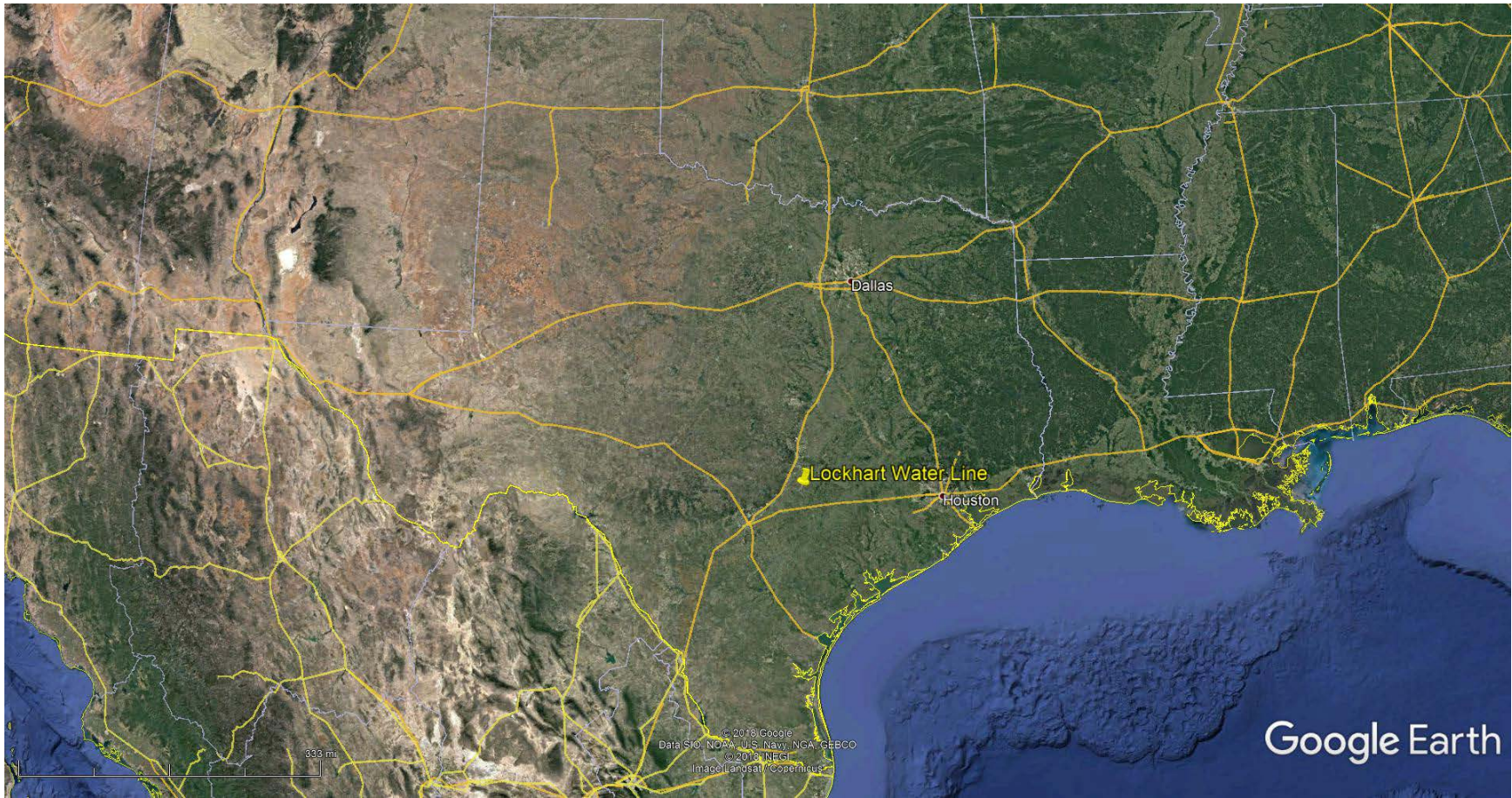
For SHPO Use Only

ATTACHMENT 1



General Location Maps Showing Project Site Areas

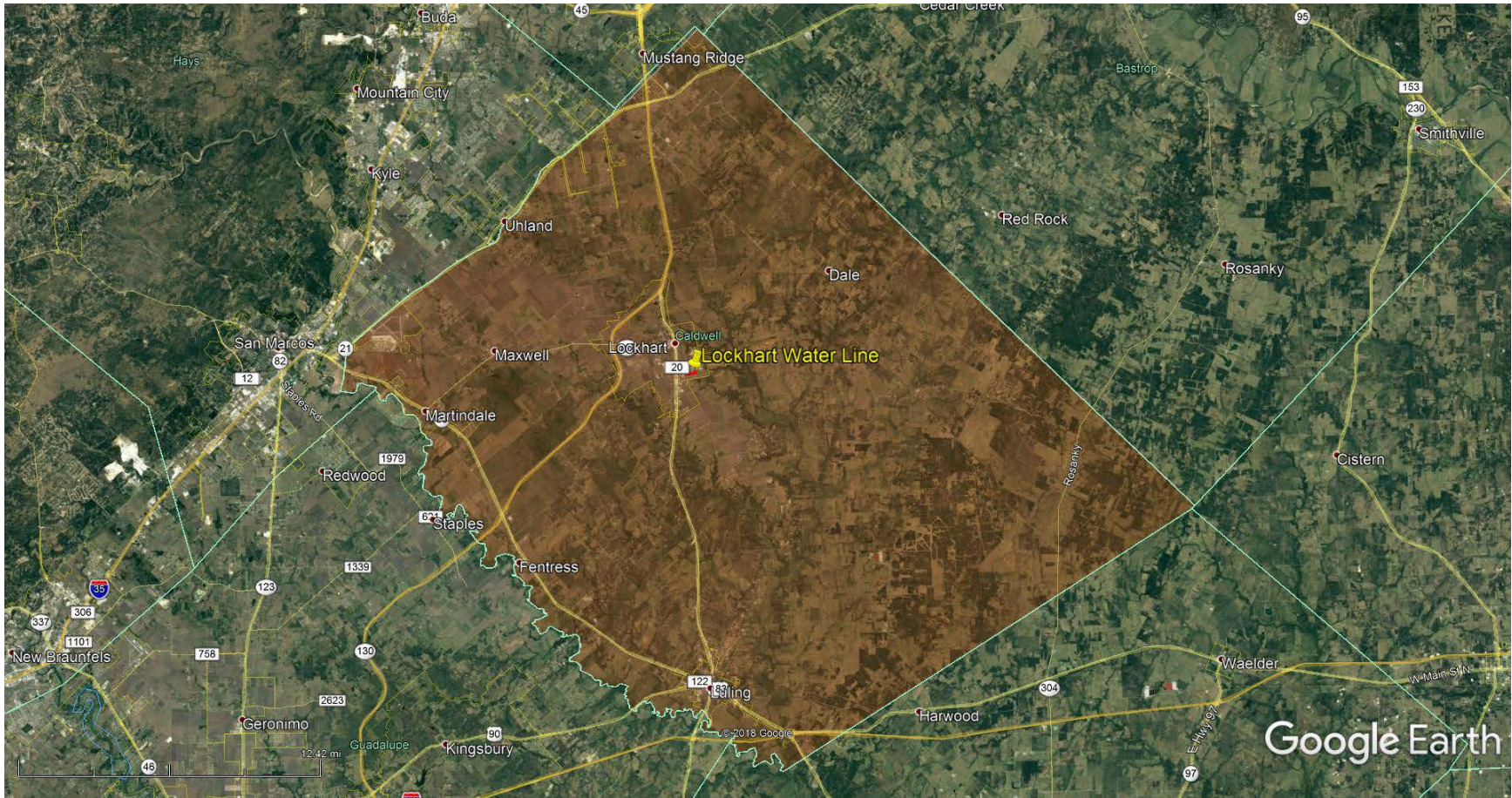
Engineering Plans

Site Visit Pictures




The City of Lockhart is located in Texas

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 	
Contract #	7219231	PO Box 90696, Austin, TX 78709	
Map Information	General Location Maps	512-443-4100	
Date	April 20	Environmental Service Provider	





Lockhart is located in Caldwell County

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 
Contract #	7219231	PO Box 90696, Austin, TX 78709
Map Information	General Location Maps	512-443-4100
Date	April 20	Environmental Service Provider



Project area is located in Lockhart, TX



- Proposed Project Area
- Project Alternative Location
- Lockhart City Limits

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 	
Contract #	7219231	PO Box 90696, Austin, TX 78709	
Map Information	General Location Maps	512-443-4100	
Date	April 20	Environmental Service Provider	



— Lockhart Water Line Proposed Project Area



— Project Alternative Location Project alternative length is dependent upon available funding.

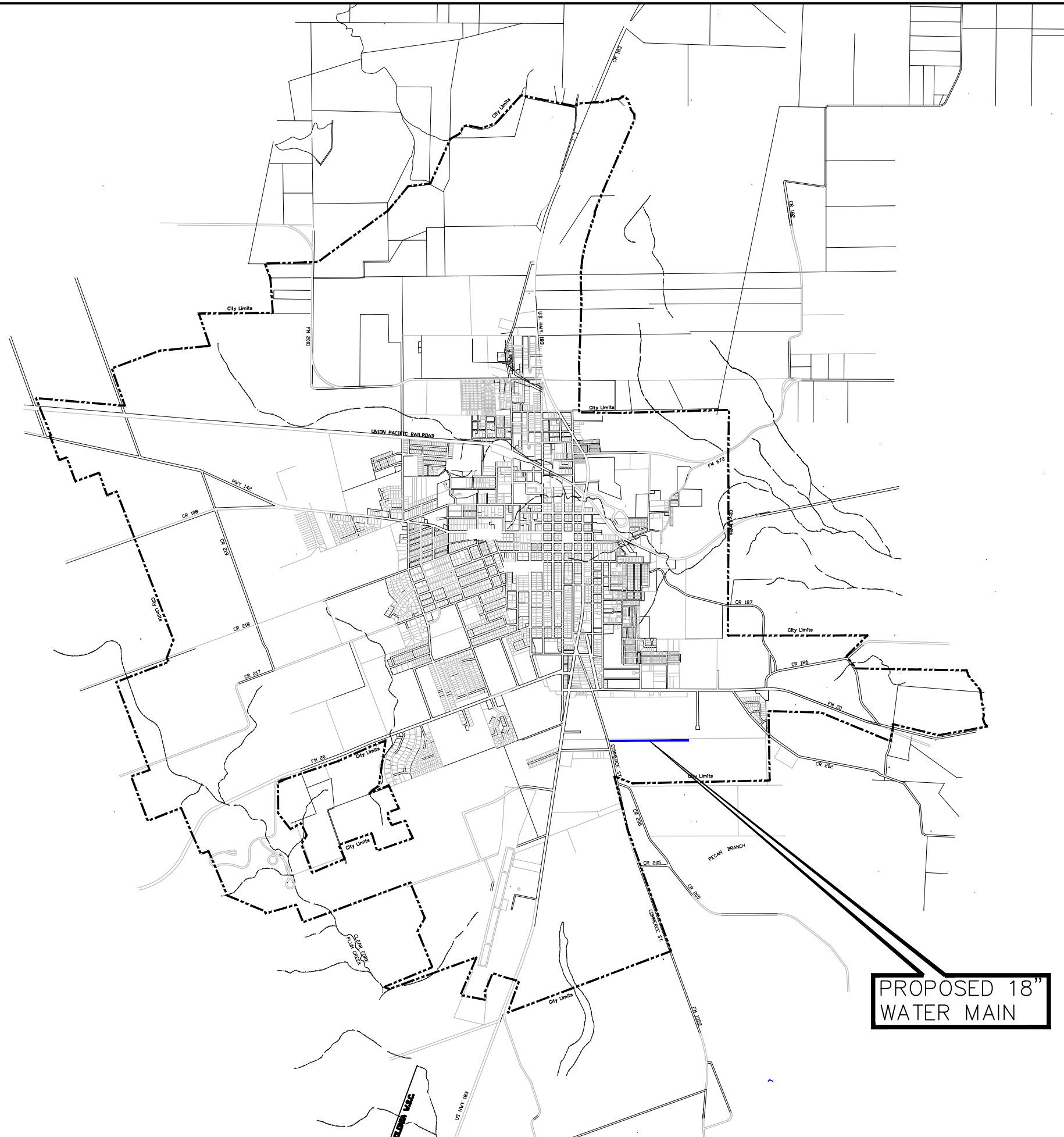
Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 	
Contract #	7219231	PO Box 90696, Austin, TX 78709	
Map Information	General Location Maps	512-443-4100	
Date	April 20	Environmental Service Provider	



— Lockhart Water Line Proposed Project Area - From City of Lockhart Water Treatment Plant (WTP) extends just south of Blackjack Street to east of Commerce Street. FROM: 29°52'0.81"N, 97°39'49.61"W TO: 29°52'5.79"N, 97°39'19.03"W

— Project Alternative Location - Alternate line to connect from the project site at S. Commerce Street heading southeast to an existing water line at S. Commerce Street to Martin Luther King Industrial Blvd. Alternate location approximately 1300 linear feet Project alternative length is dependent upon available funding.

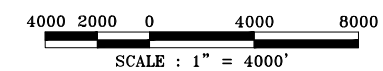
Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 	
Contract #	7219231	PO Box 90696, Austin, TX 78709	
Map Information	General Location Maps	512-443-4100	
Date	April 20	Environmental Service Provider	



LEGEND

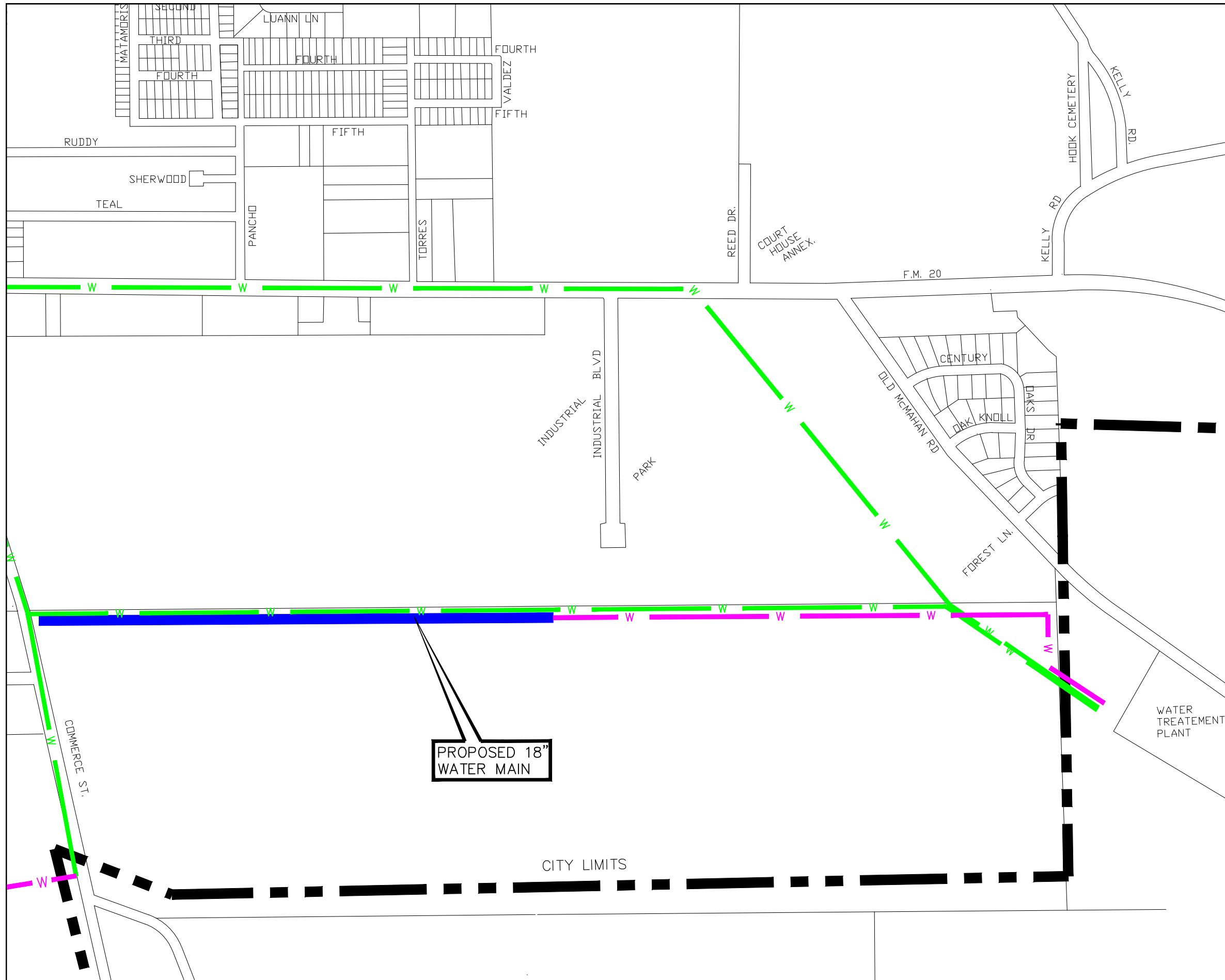
 PROPOSED 18" WATER MAIN

N



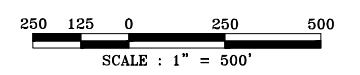
2019 CDBG WATER IMPROVEMENTS
 CITY LIMIT MAP
 LOCKHART, TEXAS
 FEBRUARY 2019





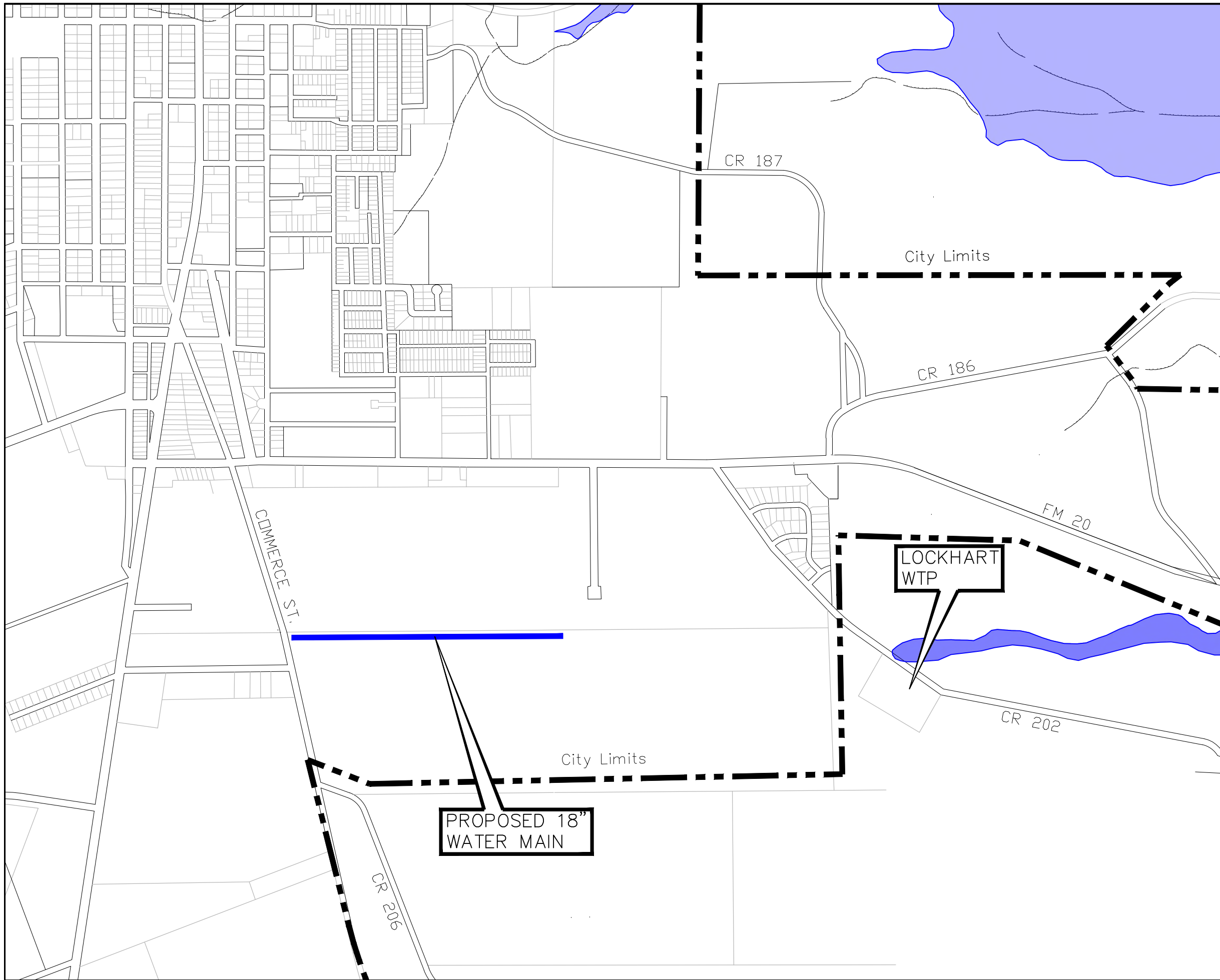
LEGEND

- █ PROPOSED 18" WATER MAIN
- █ W EXISTING 18" WATER MAIN
- █ W EXISTING 12" WATER MAIN





2019 CDBG WATER IMPROVEMENTS
 REVISED PROJECT MAP
 LOCKHART, TEXAS
 FEBRUARY 2019

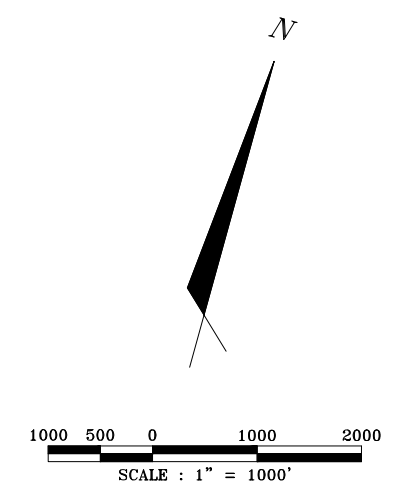




LEGEND

-  PROPOSED 18" WATER MAIN
-  100 YEAR FLOODPLAIN

FEMA FLOOD PLAIN MAP
PANEL FM48055C0235E



2019 CDBG WATER IMPROVEMENTS
FEMA MAP
LOCKHART, TEXAS
FEBRUARY 2019



City of Lockhart Caldwell County, Texas

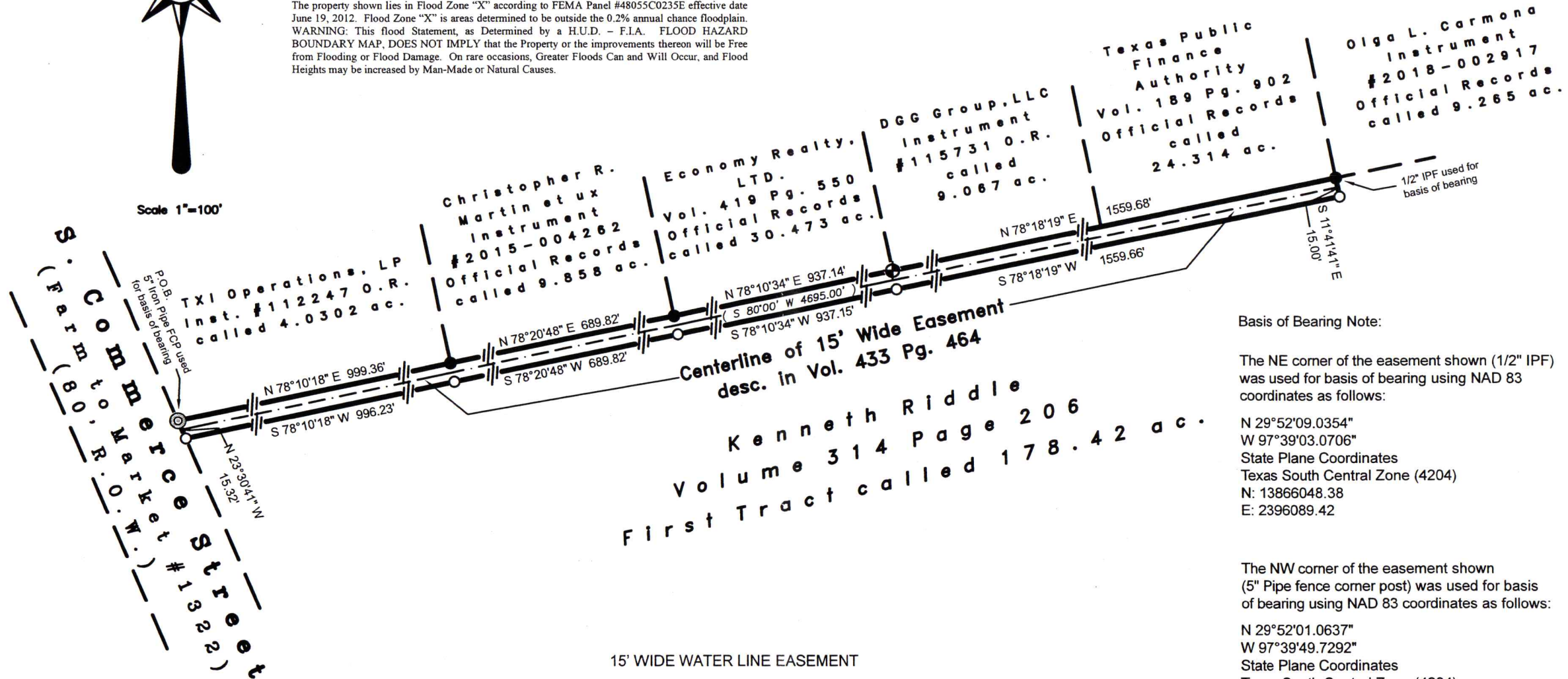
James George Survey A-9



Scale 1"=100'

General Notes

- 1) THIS SURVEY IS FOR USE WITH THIS ONE TRANSACTION ONLY.
- 2) FLOOD ZONES SHOWN ARE APPROXIMATE AND CREATE NO LIABILITY ON THE PART OF THE SURVEYOR AND ARE BASED ON FROM A FLOOD INSURANCE RATE MAP. The property shown lies in Flood Zone "X" according to FEMA Panel #48055C0235E effective date June 19, 2012. Flood Zone "X" is areas determined to be outside the 0.2% annual chance floodplain. WARNING: This flood Statement, as Determined by a H.U.D. - F.I.A. FLOOD HAZARD BOUNDARY MAP, DOES NOT IMPLY that the Property or the improvements thereon will be Free from Flooding or Flood Damage. On rare occasions, Greater Floods Can and Will Occur, and Flood Heights may be increased by Man-Made or Natural Causes.



15' WIDE WATER LINE EASEMENT

Showing a 15' WIDE WATER LINE EASEMENT out of the James George Survey A-9 in the City of Lockhart, Caldwell County, Texas. I do hereby certify that (1) the foregoing plat is a true and correct representation of a survey made on the ground under my direct supervision on March 18, 2020, (2) No Abstract of Title, title commitment, nor research or record easements were supplied to the Surveyor. There may exist easements of record which could effect this parcel. **THIS SURVEY IS CERTIFIED AND ITS CONTENTS GUARANTEED FOR USE WITH THIS ONE TRANSACTION ONLY DATED THIS DATE. THE SURVEYOR SHALL INCUR NO LIABILITY FOR ANY USE OF THIS SURVEY BEYOND THIS ONE TRANSACTION OR FOR ANY PERSON(S) NOT ASSOCIATED WITH THIS TRANSACTION.** Only those prints containing the raised Surveyor's seal and an original "LIVE" signature should be considered official and relied upon by the user.



Jerry L. Hinkle, R.P.L.S. #5459

Texas Public Finance Authority
Vol. 189 Pg. 902
Official Records called 24.314 ac.

Oliga L. Carmona
Instrument #2018-002917
Official Records called 9.265 ac.

Christopher R. Martin et ux
Instrument #2015-004262
Official Records called 9.858 ac.

Economy Realty, LTD.
Vol. 419 Pg. 550
Official Records called 30.473 ac.

DGG Group, LLC
Instrument #115731 O.R.
called 9.067 ac.

Centerline of 15' Wide Easement
desc. in Vol. 433 Pg. 464

Kenneth Riddle
Volume 314 Page 206
First Tract called 178.42 ac.

Basis of Bearing Note:

The NE corner of the easement shown (1/2" IPF) was used for basis of bearing using NAD 83 coordinates as follows:

N 29°52'09.0354"
W 97°39'03.0706"
State Plane Coordinates
Texas South Central Zone (4204)
N: 13866048.38
E: 2396089.42

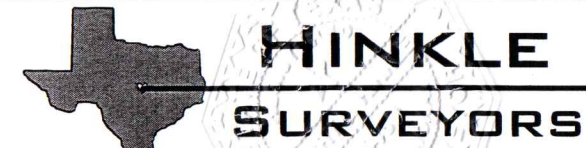
The NW corner of the easement shown (5" Pipe fence corner post) was used for basis of bearing using NAD 83 coordinates as follows:

N 29°52'01.0637"
W 97°39'49.7292"
State Plane Coordinates
Texas South Central Zone (4204)
N: 13865196.03
E: 2391991.11

LEGEND

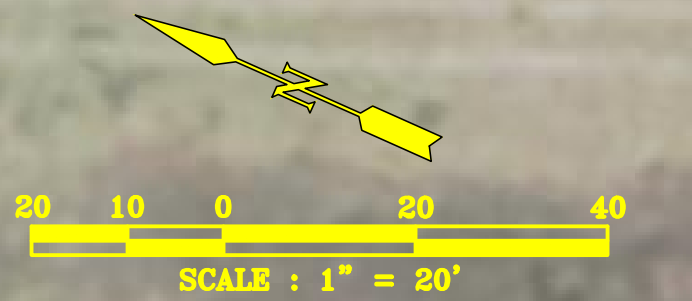
- EASEMENT POINT
- 1/2" IRON PIN FOUND
- ⊙ 5" IRON PIPE FENCE CORNER
- ⊕ COTTON SPINDLE FOUND
- /// SCALE BREAK
- (.....) ORIGINAL DEEDED CALLS
- X- FENCES MEANDER
- UNLESS OTHERWISE NOTED

Field Book: d.c.	Drawn By: JLH LH
Job No. 20200781	Drawing: 20200781.dwg
Date: March 2020	Word Disk: Begin 03012020
Surveyed By: JLH JDB	Autocad Disk: Begin 03012020

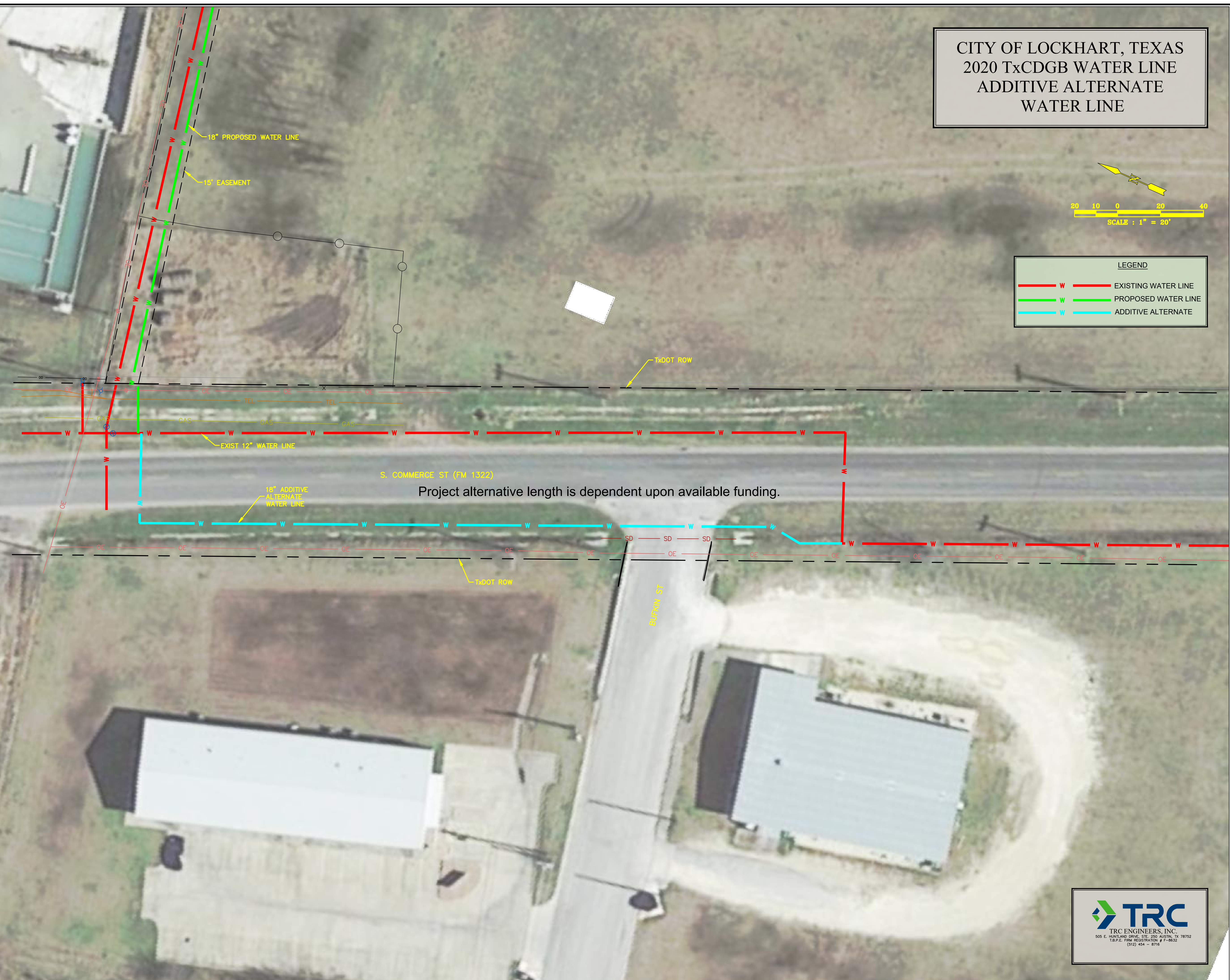


P.O. Box 1027 1109 S. Main Street Lockhart, TX 78644
Ph: (512) 398-2000 Fax: (512) 398-7683 Email: contact@hinklesurveyors.com Firm Registration No. 100886-00

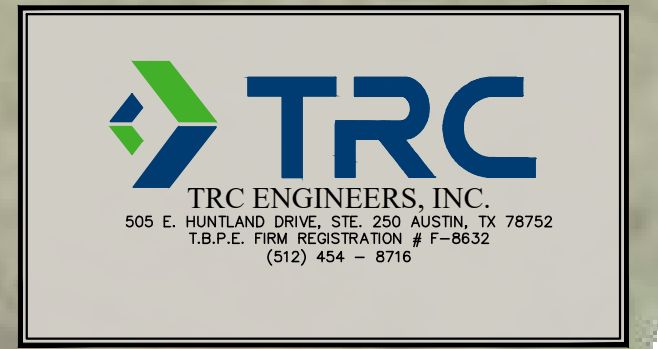
CITY OF LOCKHART, TEXAS
 2020 TxCDBG WATER LINE
 ADDITIVE ALTERNATE
 WATER LINE



LEGEND	
	EXISTING WATER LINE
	PROPOSED WATER LINE
	ADDITIVE ALTERNATE



Project alternative length is dependent upon available funding.



F:\WORK IN PROGRESS\LOCKHART\31008_2019-20_CDBG_WATER_PROJECT\300_CAD-GIS_DRAWINGS\01_DRAWINGS\01_A WORKING DMS\EXHIBIT - ADDITIVE ALTERNATE.DWG - 4/10/20

City of Lockhart New Water Line Contract #7219231



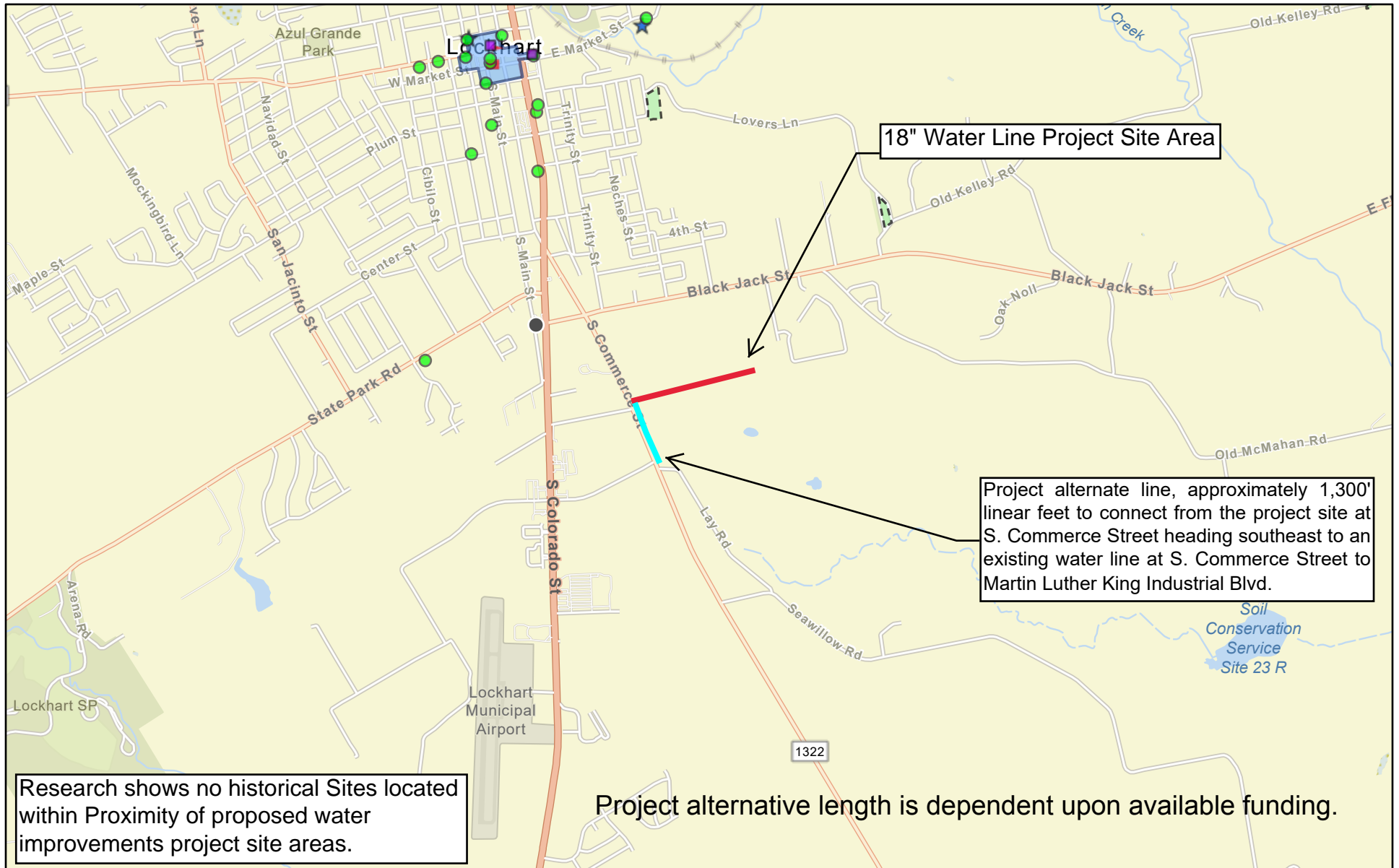
ATTACHMENT 2

Texas Historical Commission Research

Project Proximity to Wetlands - National Wetland Inventory

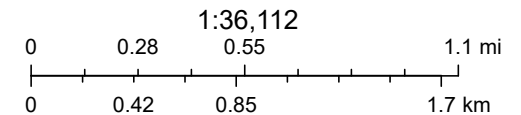
Project Proximity to 100-year Floodplain

Lockhart Water Improvements THC Map



April 4, 2020

- Museum
- Historical Marker
- County Courthouse
- ★ National Register Properties
- National Register Districts
- Cemeteries



Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



The closest wetland is located approximately 300 ft from the project site.

No impact is expected due to proximity.

- Lockhart Project Site Area
- Project Alternative Location



Client Name	City of Lockhart Water Improvements Project	Future Link Technologies	
Contract #	7219231	PO Box 90696, Austin, TX 78709	
Map Information	USFWS National Wetland Inventory	512-443-4100	
Date	April 20	Environmental Service Provider	



According to the FEMA flood panel 48055C0235E, Effective 6/19/2012, the Lockhart Project is not located within a floodplain.

In the event funding remains, this project includes an added alternate line to connect from the project site at S. Commerce Street heading southeast to an existing water line at S. Commerce Street to Martin Luther King Industrial Blvd.

- Lockhart Project Site Area
- Project Alternative Location

Client Name	City of Lockhart Water Improvements Project	 Future Link Technologies	
Contract #	7219231	PO Box 90696, Austin, TX 78709	
Map Information	FEMA National Flood Hazard Layer	512-443-4100	
Date	April 20	Environmental Service Provider	

When To Consult With Tribes Under Section 106

Section 106 requires consultation with federally-recognized Indian tribes when a project may affect a historic property of religious and cultural significance to the tribe. Historic properties of religious and cultural significance include: archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places, traditional cultural landscapes, plant and animal communities, and buildings and structures with significant tribal association. The types of activities that may affect historic properties of religious and cultural significance include: ground disturbance (digging), new construction in undeveloped natural areas, introduction of incongruent visual, audible, or atmospheric changes, work on a building with significant tribal association, and transfer, lease or sale of properties of the types listed above.

If a project includes any of the types of activities below, invite tribes to consult:

- significant ground disturbance (digging)**
Examples: new sewer lines, utility lines (above and below ground), foundations, footings, grading, access roads
- new construction in undeveloped natural areas**
Examples: industrial-scale energy facilities, transmission lines, pipelines, or new recreational facilities, in undeveloped natural areas like mountaintops, canyons, islands, forests, native grasslands, etc., and housing, commercial, and industrial facilities in such areas
- incongruent visual changes**
Examples: construction of a focal point that is out of character with the surrounding natural area, impairment of the vista or viewshed from an observation point in the natural landscape, or impairment of the recognized historic scenic qualities of an area
- incongruent audible changes**
Examples: increase in noise levels above an acceptable standard in areas known for their quiet, contemplative experience
- incongruent atmospheric changes**
Examples: introduction of lights that create skyglow in an area with a dark night sky
- work on a building with significant tribal association**
Examples: rehabilitation, demolition or removal of a surviving ancient tribal structure or village, or a building or structure that there is reason to believe was the location of a significant tribal event, home of an important person, or that served as a tribal school or community hall
- transfer, lease or sale of a historic property of religious and cultural significance**
Example: transfer, lease or sale of properties that contain archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, plant and animal communities, or buildings and structures with significant tribal association

None of the above apply The area is previously disturbed soils at an existing utility easement.

Lockhart Water Improvements Project

Project

Melanie Harmon, Future Link
Technologies, Inc.

Reviewed By

04/09/2020

Date

ATTACHMENT 12

NOISE ABATEMENT & CONTROL

- Noise Ordinance if Available

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		
https://www.hudexchange.info/programs/environmental-review/noise-abatement-and-control		

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.*

- 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 area¹?

No

→ *Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis, and any other relevant information.*

¹ 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 is not a noise sensitive issue and any noise generated from the construction will be temporary. No impact is expected.

Are formal compliance steps or mitigation required?

Yes

No

ATTACHMENT 13

SOLE SOURCE AQUIFERS – SAFE DRINKING WATER

- NEPAAssist/TWDB Major Aquifers of Texas Map
- NEPAAssist/TWDB Minor Aquifers of Texas Map
- NEPAAssist/Texas Sole Source Aquifer Map

Sole Source Aquifers (CEST and EA)

General requirements	Legislation	Regulation
The Safe Drinking Water Act of 1974 protects drinking water systems which are the sole or principal drinking water source for an area and which, if contaminated, would create a significant hazard to public health.	Safe Drinking Water Act of 1974 (42 U.S.C. 201, 300f et seq., and 21 U.S.C. 349)	40 CFR Part 149
Reference		
https://www.hudexchange.info/environmental-review/sole-source-aquifers		

1. Is the project located on a sole source aquifer (SSA)¹?

- No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination, such as a map of your project (or jurisdiction, if appropriate) in relation to the nearest SSA and its source area.*
- Yes → *Continue to Question 2.*

2. Does your project consist solely of acquisition, leasing, or rehabilitation of an existing building(s)?

- Yes → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.*
- No → *Continue to Question 3.*

3. Does your region have a memorandum of understanding (MOU) or other working agreement with EPA for HUD projects impacting a sole source aquifer?

Contact your Field or Regional Environmental Officer or visit the HUD webpage at the link above to determine if an MOU or agreement exists in your area.

- Yes → *Provide the MOU or agreement as part of your supporting documentation. Continue to Question 4.*
- No → *Continue to Question 5.*

4. Does your MOU or working agreement exclude your project from further review?

- Yes → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination and document where your project fits within the MOU or agreement.*

¹ A sole source aquifer is defined as an aquifer that supplies at least 50 percent of the drinking water consumed in the area overlying the aquifer. This includes streamflow source areas, which are upstream areas of losing streams that flow into the recharge area.

No → Continue to Question 5.

5. Will the proposed project contaminate the aquifer and create a significant hazard to public health?

Consult with your Regional EPA Office. Your consultation request should include detailed information about your proposed project and its relationship to the aquifer and associated streamflow source area. EPA will also want to know about water, storm water and waste water at the proposed project. Follow your MOU or working agreement or contact your Regional EPA office for specific information you may need to provide. EPA may request additional information if impacts to the aquifer are questionable after this information is submitted for review.

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

Yes → *Work with EPA to develop mitigation measures. If mitigation measures are approved, attach correspondence with EPA and include the mitigation measures in your environmental review documents and project contracts. If EPA determines that the project continues to pose a significant risk to the aquifer, federal financial assistance must be denied. Continue to Question 6.*

6. In order to continue with the project, any threat must be mitigated, and all mitigation must be approved by the EPA. Explain in detail the proposed measures that can be implemented to mitigate for the impact or effect, including the timeline for implementation.

→ *Continue to the Worksheet Summary below. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation 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

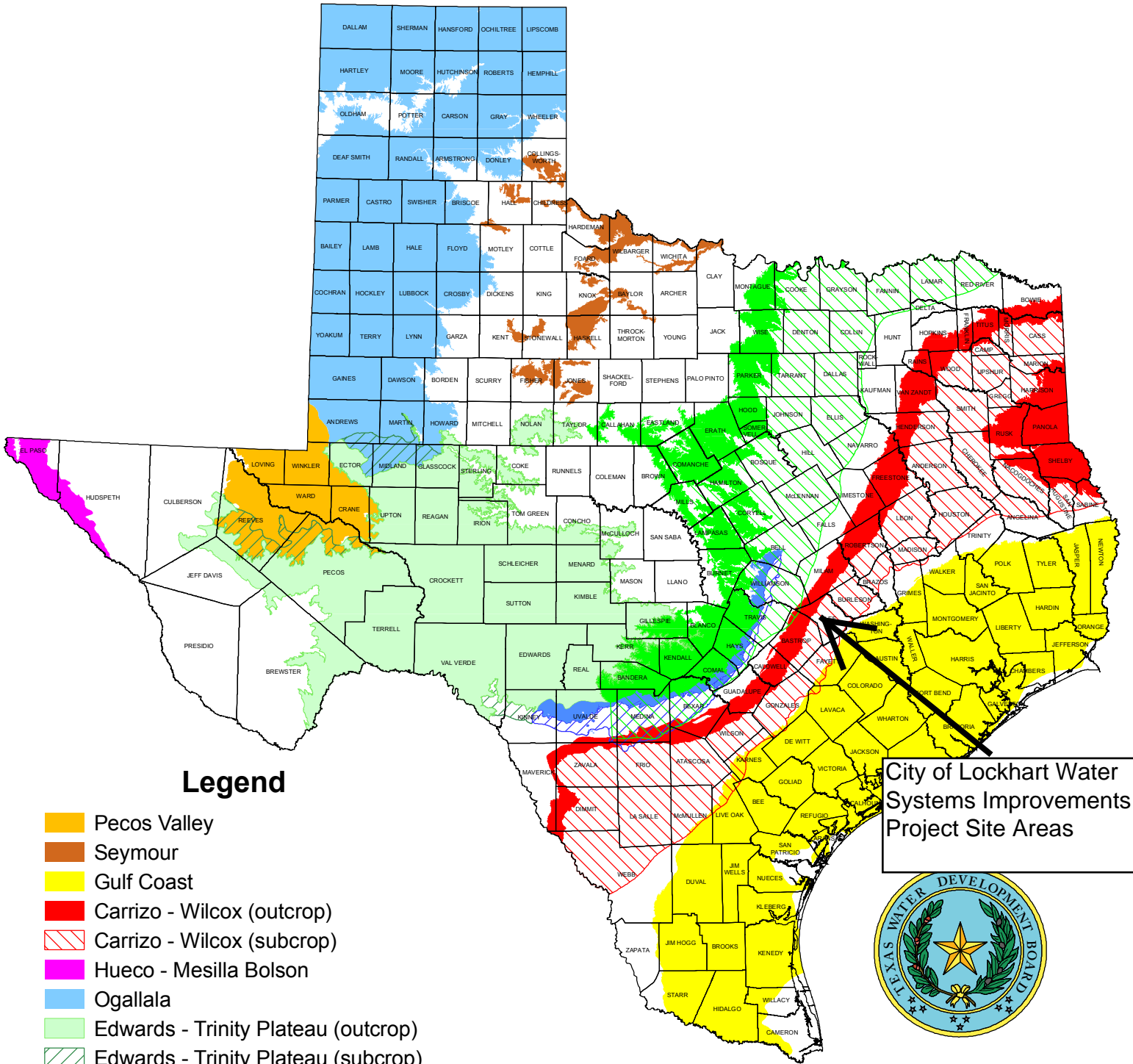
See Tab 6, Attachment 13 for maps regarding sole source aquifers and location of project activities. The project is not located over a sole source aquifer.

Are formal compliance steps or mitigation required?

Yes

No

Major Aquifers of Texas



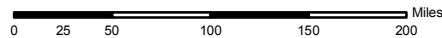
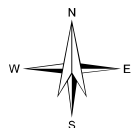
Legend

- Pecos Valley
- Seymour
- Gulf Coast
- Carrizo - Wilcox (outcrop)
- Carrizo - Wilcox (subcrop)
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop)
- Trinity (outcrop)
- Trinity (subcrop)

NOTE: Chronology by Geologic age.

OUTCROP (portion of a water-bearing rock unit exposed at the land surface)
 SUBCROP (portion of a water-bearing rock unit existing below other rock units)

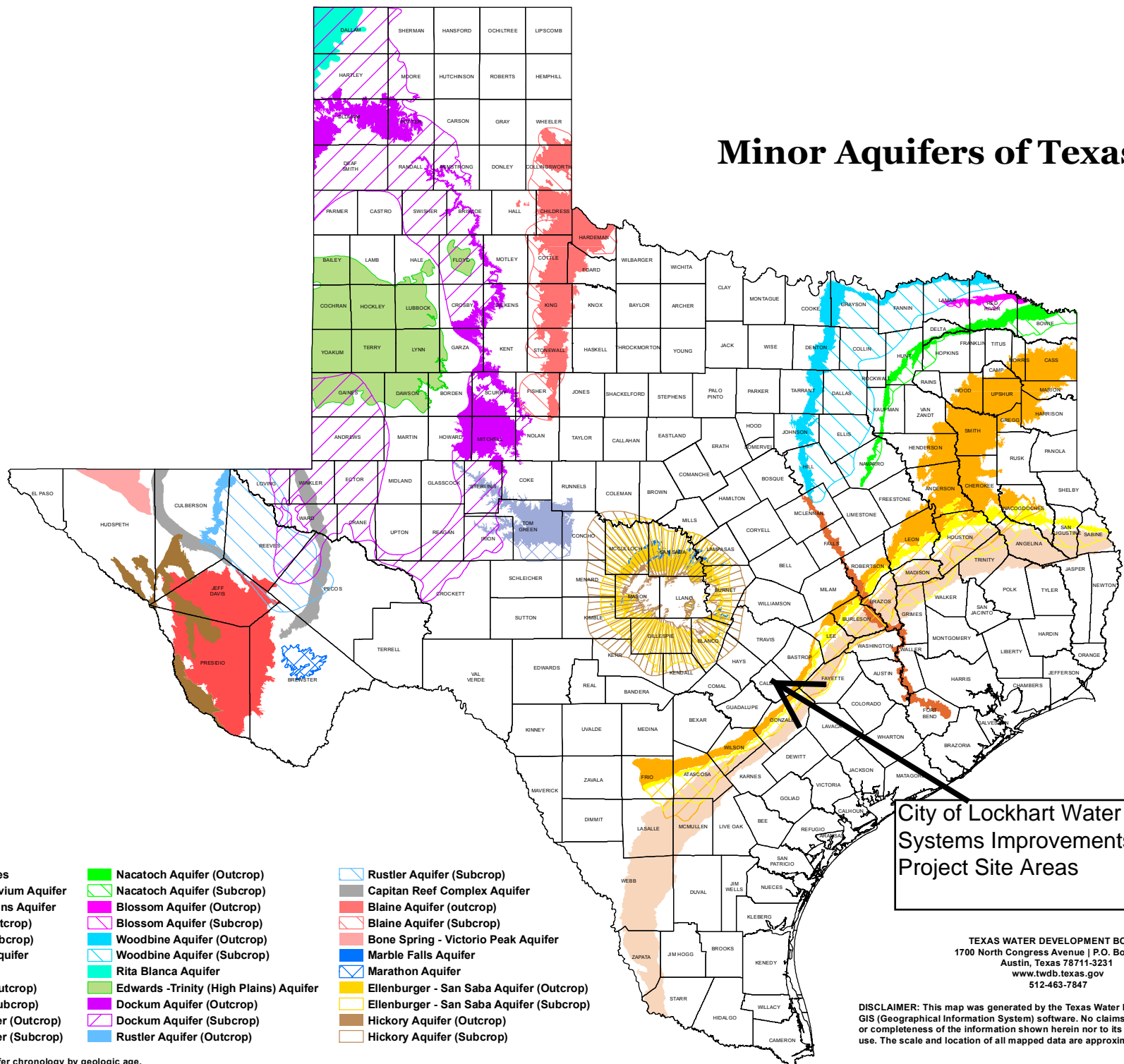
City of Lockhart Water Systems Improvements Project Site Areas



DISCLAIMER
 This map was generated by the Texas Water Development Board using GIS (Geographic Information System) software. No claims are made to the accuracy or completeness of the information shown herein nor to its suitability for a particular use. The scale and location of all mapped data are approximate.

Map updated December 2006 by Mark Hayes, GISP

Minor Aquifers of Texas



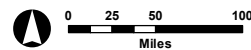
- | | | |
|-------------------------------|--|--|
| County Boundaries | Nacatoch Aquifer (Outcrop) | Rustler Aquifer (Subcrop) |
| Brazos River Alluvium Aquifer | Nacatoch Aquifer (Subcrop) | Capitan Reef Complex Aquifer |
| West Texas Bolsons Aquifer | Blossom Aquifer (Outcrop) | Blaine Aquifer (outcrop) |
| Lipan Aquifer (Outcrop) | Blossom Aquifer (Subcrop) | Blaine Aquifer (Subcrop) |
| Lipan Aquifer (Subcrop) | Woodbine Aquifer (Outcrop) | Bone Spring - Victorio Peak Aquifer |
| Yegua Jackson Aquifer | Woodbine Aquifer (Subcrop) | Marble Falls Aquifer |
| Igneous Aquifer | Rita Blanca Aquifer | Marathon Aquifer |
| Sparta Aquifer (Outcrop) | Edwards -Trinity (High Plains) Aquifer | Ellenburger - San Saba Aquifer (Outcrop) |
| Sparta Aquifer (Subcrop) | Dockum Aquifer (Outcrop) | Ellenburger - San Saba Aquifer (Subcrop) |
| Queen City Aquifer (Outcrop) | Dockum Aquifer (Subcrop) | Hickory Aquifer (Outcrop) |
| Queen City Aquifer (Subcrop) | Rustler Aquifer (Outcrop) | Hickory Aquifer (Subcrop) |

City of Lockhart Water Systems Improvements Project Site Areas

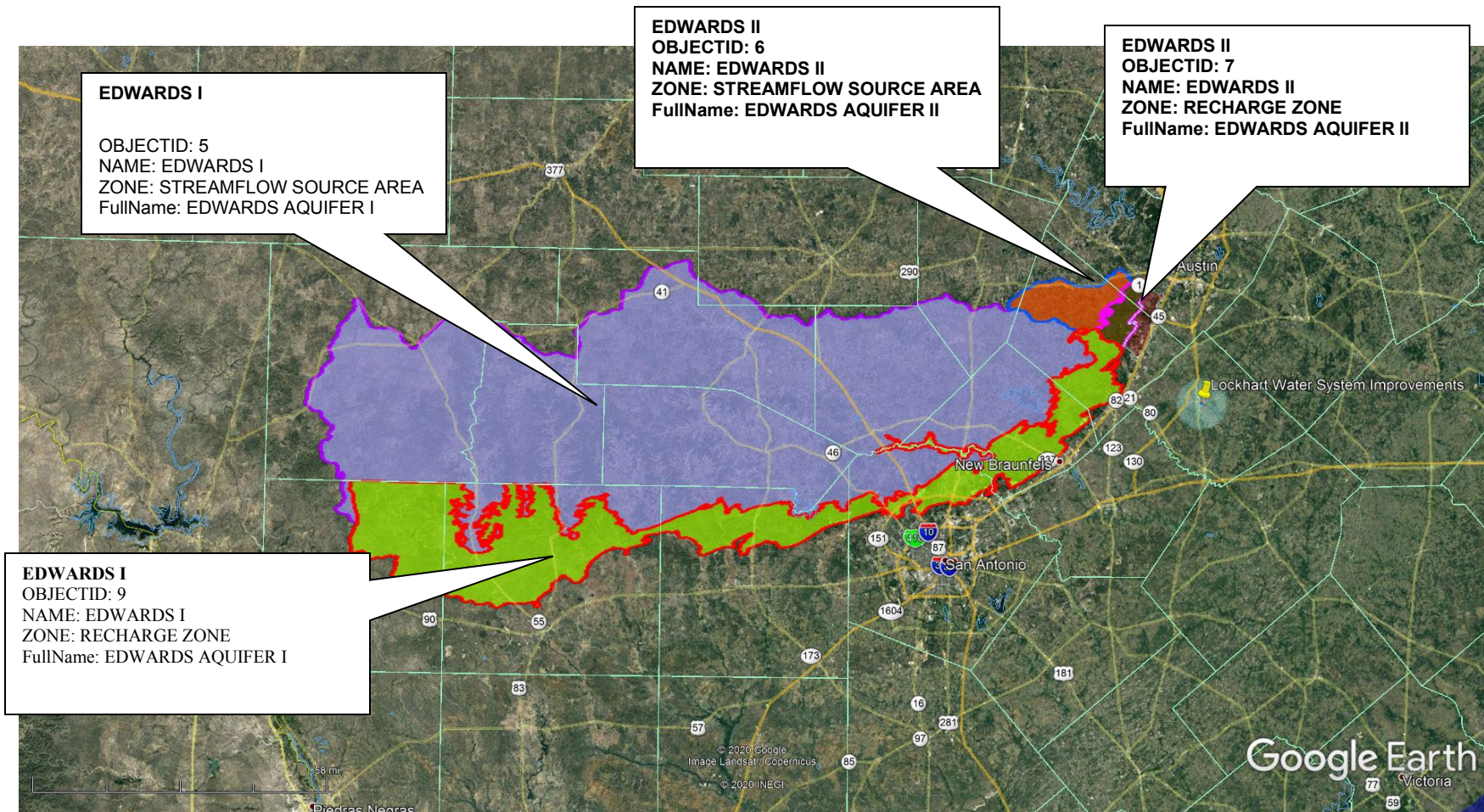
TEXAS WATER DEVELOPMENT BOARD
 1700 North Congress Avenue | P.O. Box 13231
 Austin, Texas 78711-3231
 www.twdb.texas.gov
 512-463-7847

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- Aquifer chronology by geologic age.
- Solid colors indicate OUTCROP areas (portion of a water-bearing rock unit exposed at the land surface).
- Hatch colored lines indicate SUBCROP areas (portion of a water-bearing rock unit existing below other rock units).
- The Edwards-Trinity (High Plains) Aquifer and the Rita Blanca Aquifer are both entirely subsurface.



MISSION: The Texas Water Development Board's (TWDB) mission is to provide leadership, planning, financial assistance, information, and education for the conservation and responsible development of water for Texas.



Project not located over Edwards Aquifer - Sole Source Zones

Client Name	City of Lockhart	Future Link Technologies 
Contract #	<u>7219231</u>	PO Box 90696, Austin, TX 78709
Map Information	TCEQ Edwards Sole Source Aquifer	512-443-4100
Date	May 20	Environmental Service Provider

ATTACHMENT 14

WETLAND PROTECTION

- USFWS National Wetlands Inventory Map or NEPAssist Map
- USGS 7.5 Minute Topography Map

Wetlands (CEST and EA)

General requirements	Legislation	Regulation
Executive Order 11990 discourages that direct or indirect support of new construction impacting wetlands wherever there is a practicable alternative. The Fish and Wildlife Service's National Wetlands Inventory can be used as a primary screening tool, but observed or known wetlands not indicated on NWI maps must also be processed. Off-site impacts that result in draining, impounding, or destroying wetlands must also be processed.	Executive Order 11990	24 CFR 55.20 can be used for general guidance regarding the 8 Step Process.
References		
https://www.hudexchange.info/environmental-review/wetlands-protection		

1. Does this project involve new construction as defined in Executive Order 11990, expansion of a building's footprint, or ground disturbance?

The term "new construction" shall include draining, dredging, channelizing, filling, diking, impounding, and related activities and any structures or facilities begun or authorized after the effective date of the Order.

No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.*

Yes → *Continue to Question 2.*

2. Will the new construction or other ground disturbance impact an on- or off-site wetland?

The term "wetlands" means those areas that are inundated by surface or ground water with a frequency sufficient to support, and under normal circumstances does or would support, a prevalence of vegetative or aquatic life that requires saturated or seasonally saturated soil conditions for growth and reproduction. Wetlands generally include swamps, marshes, bogs, and similar areas such as sloughs, potholes, wet meadows, river overflows, mud flats, and natural ponds. Wetlands under E.O. 11990 include isolated and non-jurisdictional wetlands.

No, a wetland will not be impacted in terms of E.O. 11990's definition of new construction.
 → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map or any other relevant documentation to explain your determination.*

Yes, there is a wetland that be impacted in terms of E.O. 11990's definition of new construction.

→ You must determine that there are no practicable alternatives to wetlands development by completing the 8-Step Process.

Provide a completed 8-Step Process as well as all documents used to make your determination, including a map. Be sure to include the early public notice and the final notice with your documentation.

Continue to Question 3.

- 3. 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 mitigate for the impact or effect, including the timeline for implementation.**

Which of the following mitigation actions have been or will be taken? Select all that apply:

- Permeable surfaces
- Natural landscape enhancements that maintain or restore natural hydrology through infiltration
- Native plant species
- Bioswales
- Evapotranspiration
- Stormwater capture and reuse
- Green or vegetative roofs with drainage provisions
- Natural Resources Conservation Service conservation easements
- Compensatory mitigation

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 is consistent with this item. The project is not located near or at any wetlands. See map Tab 6, Attachment 14.

Are formal compliance steps or mitigation required?

Yes



No



The closest wetland is located approximately 300 ft from the project site.

No impact is expected due to proximity.

- Lockhart Project Site Area
- Project Alternative Location

Client Name	City of Lockhart Water Improvements Project	Future Link Technologies 	
Contract #	7219231	PO Box 90696, Austin, TX 78709	
Map Information	USFWS National Wetland Inventory	512-443-4100	
Date	April 20	Environmental Service Provider	

ATTACHMENT 15

WILD AND SCENIC RIVERS

- U.S. National Park Service Information
- NEPAAssist or Google Earth Mapping of Wild & Scenic River

Wild and Scenic Rivers (CEST and EA)

General requirements	Legislation	Regulation
The Wild and Scenic Rivers Act provides federal protection for certain free-flowing, wild, scenic and recreational rivers designated as components or potential components of the National Wild and Scenic Rivers System (NWSRS) from the effects of construction or development.	The Wild and Scenic Rivers Act (16 U.S.C. 1271-1287), particularly section 7(b) and (c) (16 U.S.C. 1278(b) and (c))	36 CFR Part 297
References		
https://www.hudexchange.info/environmental-review/wild-and-scenic-rivers		

1. Is your project within proximity of a NWSRS river as defined below?

Wild & Scenic Rivers: These rivers or river segments have been designated by Congress or by states (with the concurrence of the Secretary of the Interior) as wild, scenic, or recreational

Study Rivers: These rivers or river segments are being studied as a potential component of the Wild & Scenic River system.

Nationwide Rivers Inventory (NRI): The National Park Service has compiled and maintains the NRI, a register of river segments that potentially qualify as national wild, scenic, or recreational river areas

No

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination, such as a map identifying the project site and its surrounding area or a list of rivers in your region in the Screen Summary at the conclusion of this screen.*

Yes, the project is in proximity of a Nationwide Rivers Inventory (NRI) River.

→ *Continue to Question 2.*

2. Could the project do any of the following?

- Have a direct and adverse effect within Wild and Scenic River Boundaries,
- Invade the area or unreasonably diminish the river outside Wild and Scenic River Boundaries, or
- Have an adverse effect on the natural, cultural, and/or recreational values of a NRI segment.

Consultation with the appropriate federal/state/local/tribal Managing Agency(s) is required, pursuant to Section 7 of the Act, to determine if the proposed project may have an adverse effect on a Wild & Scenic River or a Study River and, if so, to determine the appropriate avoidance or mitigation measures.

Note: Concurrence may be assumed if the Managing Agency does not respond within 30 days; however, you are still obligated to avoid or mitigate adverse effects on the rivers identified in the NWSRS

No, the Managing Agency has concurred that the proposed project will not alter, directly, or indirectly, any of the characteristics that qualifies or potentially qualifies the river for inclusion in the NWSRS.

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation used to make your determination.*

Yes, the Managing Agency was consulted and the proposed project may alter, directly, or indirectly, any of the characteristics that qualifies or potentially qualifies the river for inclusion in the NWSRS.

→ *Continue to Question 3.*

3. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

→ *Continue to the Worksheet Summary below. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation 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:

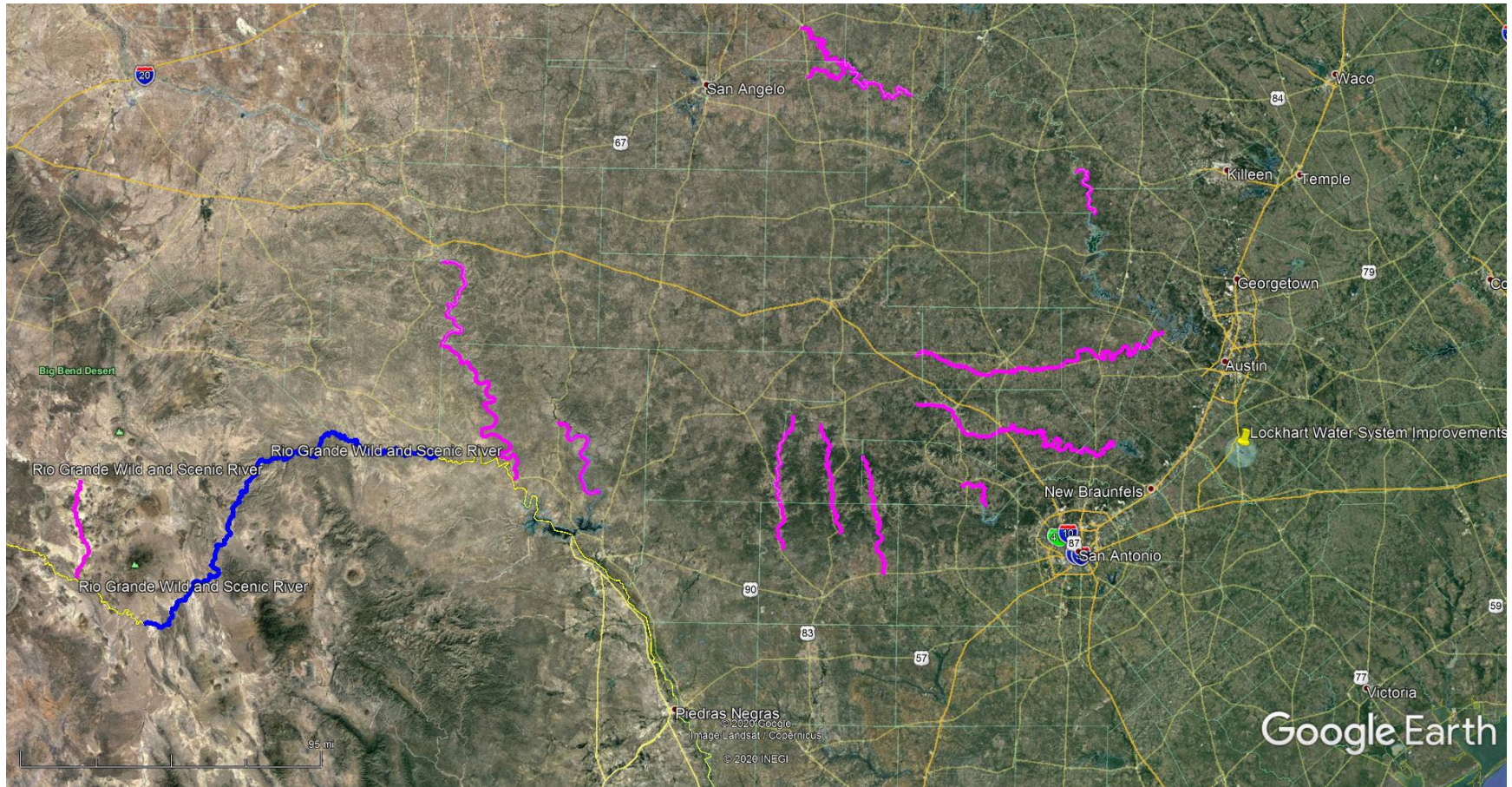
- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region



The project is not located by any wild and scenic rivers or those listed on the national rivers inventory. See Tab 6, Attachment 15.

Are formal compliance steps or mitigation required?



Yes

No



-  Significant Rivers in Texas
-  Wild and Scenic River

The closest Wild and Scenic River is the Rio Grande River – Approximately 240 miles
 The closest Significant River is the Guadalupe River - Approximately 40 miles

Client Name	City of Lockhart	 Future Link Technologies	
Contract #	<u>7219231</u>	PO Box 90696, Austin, TX 78709	
Map Information	National Parks Service – Significant Rivers Data	512-443-4100	
Date	May 20	Environmental Service Provider	

ATTACHMENT 16

ENVIRONMENTAL JUSTICE

- NEPAssist/EPA Environmental Justice Data

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	
References		
https://www.hudexchange.info/environmental-review/environmental-justice		

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

Based upon desk research and site visits, no environmental impacts will have an impact on upon a low-income or minority community. The activities will be a benefit to the community.

Are formal compliance steps or mitigation required?

Yes

No

Location: User-specified polygonal location
 Ring (buffer): 0-mile radius
 Description:

Summary of ACS Estimates		2013 - 2017
Population		1,337
Population Density (per sq. mile)		383
Minority Population		767
% Minority		57%
Households		131
Housing Units		131
Housing Units Built Before 1950		7
Per Capita Income		7,623
Land Area (sq. miles) (Source: SF1)		3.49
% Land Area		99%
Water Area (sq. miles) (Source: SF1)		0.02
% Water Area		1%

	2013 - 2017 ACS Estimates	Percent	MOE (±)
Population by Race			
Total	1,337	100%	237
Population Reporting One Race	1,309	98%	405
White	969	72%	222
Black	266	20%	87
American Indian	0	0%	13
Asian	0	0%	13
Pacific Islander	0	0%	13
Some Other Race	74	6%	57
Population Reporting Two or More Races	28	2%	31
Total Hispanic Population	479	36%	112
Total Non-Hispanic Population	858		
White Alone	570	43%	133
Black Alone	266	20%	87
American Indian Alone	0	0%	13
Non-Hispanic Asian Alone	0	0%	13
Pacific Islander Alone	0	0%	13
Other Race Alone	0	0%	13
Two or More Races Alone	22	2%	26
Population by Sex			
Male	446	33%	173
Female	891	67%	263
Population by Age			
Age 0-4	0	0%	13
Age 0-17	0	0%	13
Age 18+	1,337	100%	213
Age 65+	51	4%	53

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) 2013 - 2017

Location: User-specified polygonal location
 Ring (buffer): 0-mile radius
 Description:

	2013 - 2017 ACS Estimates	Percent	MOE (±)
Population 25+ by Educational Attainment			
Total	1,193	100%	216
Less than 9th Grade	140	12%	61
9th - 12th Grade, No Diploma	266	22%	91
High School Graduate	508	43%	167
Some College, No Degree	248	21%	89
Associate Degree	41	3%	47
Bachelor's Degree or more	31	3%	31
Population Age 5+ Years by Ability to Speak English			
Total	1,337	100%	237
Speak only English	951	71%	192
Non-English at Home ¹⁺²⁺³⁺⁴	386	29%	113
¹ Speak English "very well"	319	24%	106
² Speak English "well"	37	3%	35
³ Speak English "not well"	19	1%	26
⁴ Speak English "not at all"	11	1%	20
³⁺⁴ Speak English "less than well"	30	2%	30
²⁺³⁺⁴ Speak English "less than very well"	67	5%	44
Linguistically Isolated Households*			
Total	0	0%	13
Speak Spanish	0	0%	13
Speak Other Indo-European Languages	0	0%	13
Speak Asian-Pacific Island Languages	0	0%	13
Speak Other Languages	0	0%	13
Households by Household Income			
Household Income Base	131	100%	58
< \$15,000	27	21%	33
\$15,000 - \$25,000	12	9%	25
\$25,000 - \$50,000	55	42%	52
\$50,000 - \$75,000	23	18%	29
\$75,000 +	14	11%	21
Occupied Housing Units by Tenure			
Total	131	100%	58
Owner Occupied	68	52%	51
Renter Occupied	63	48%	34
Employed Population Age 16+ Years			
Total	1,337	100%	237
In Labor Force	141	11%	69
Civilian Unemployed in Labor Force	0	0%	13
Not In Labor Force	1,196	89%	225

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of anyrace.

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 polygonal location

Ring (buffer): 0-mile radius

Description:

	2013 - 2017 ACS Estimates	Percent	MOE (±)
Population by Language Spoken at Home*			
Total (persons age 5 and above)	1,330	100%	416
English	800	60%	469
Spanish	488	37%	374
French	4	0%	75
French Creole	N/A	N/A	N/A
Italian	N/A	N/A	N/A
Portuguese	N/A	N/A	N/A
German	16	1%	87
Yiddish	N/A	N/A	N/A
Other West Germanic	N/A	N/A	N/A
Scandinavian	N/A	N/A	N/A
Greek	N/A	N/A	N/A
Russian	N/A	N/A	N/A
Polish	N/A	N/A	N/A
Serbo-Croatian	N/A	N/A	N/A
Other Slavic	N/A	N/A	N/A
Armenian	N/A	N/A	N/A
Persian	N/A	N/A	N/A
Gujarathi	N/A	N/A	N/A
Hindi	N/A	N/A	N/A
Urdu	N/A	N/A	N/A
Other Indic	N/A	N/A	N/A
Other Indo-European	14	1%	77
Chinese	0	0%	19
Japanese	N/A	N/A	N/A
Korean	0	0%	19
Mon-Khmer, Cambodian	N/A	N/A	N/A
Hmong	N/A	N/A	N/A
Thai	N/A	N/A	N/A
Laotian	N/A	N/A	N/A
Vietnamese	0	0%	19
Other Asian	0	0%	19
Tagalog	0	0%	19
Other Pacific Island	N/A	N/A	N/A
Navajo	N/A	N/A	N/A
Other Native American	N/A	N/A	N/A
Hungarian	N/A	N/A	N/A
Arabic	0	0%	19
Hebrew	N/A	N/A	N/A
African	N/A	N/A	N/A
Other and non-specified	3	0%	21
Total Non-English	529	40%	627

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) 2013 - 2017.

*Population by Language Spoken at Home is available at the census tract summary level and up.

Location: User-specified polygonal location
 Ring (buffer): 0-mile radius
 Description:

Summary	Census 2010
Population	1,418
Population Density (per sq. mile)	404
Minority Population	780
% Minority	55%
Households	180
Housing Units	191
Land Area (sq. miles)	3.51
% Land Area	99%
Water Area (sq. miles)	0.02
% Water Area	1%

Population by Race	Number	Percent
Total	1,418	-----
Population Reporting One Race	1,400	99%
White	999	70%
Black	343	24%
American Indian	4	0%
Asian	7	0%
Pacific Islander	1	0%
Some Other Race	46	3%
Population Reporting Two or More Races	18	1%
Total Hispanic Population	417	29%
Total Non-Hispanic Population	1,001	71%
White Alone	638	45%
Black Alone	343	24%
American Indian Alone	1	0%
Non-Hispanic Asian Alone	7	0%
Pacific Islander Alone	0	0%
Other Race Alone	6	0%
Two or More Races Alone	6	0%

Population by Sex	Number	Percent
Male	694	49%
Female	724	51%

Population by Age	Number	Percent
Age 0-4	30	2%
Age 0-17	100	7%
Age 18+	1,318	93%
Age 65+	52	4%

Households by Tenure	Number	Percent
Total	180	
Owner Occupied	81	45%
Renter Occupied	99	55%

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.
Source: U.S. Census Bureau, Census 2010 Summary File 1.

ENVIRONMENTAL ASSESSMENT FACTORS

ATTACHMENT 17

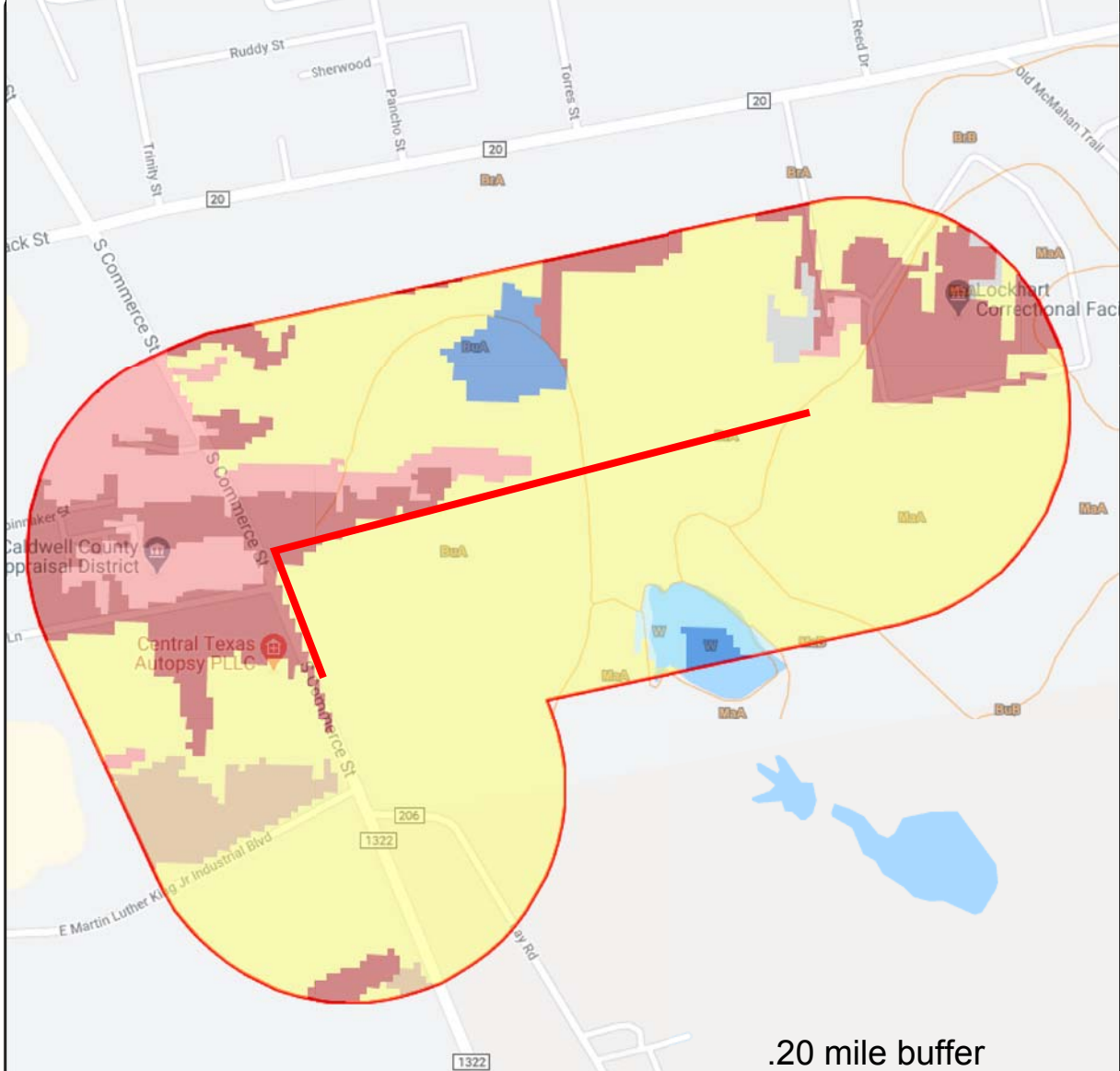
LAND DEVELOPMENT

- USDA Report for Slope and Erosion Information
- USDA Report for Soils/NEPAssist Soils



T.E.A.M. Study Area Report

Lockhart Water Improvements



.20 mile buffer

 Project Area



100 m

[Report a map error](#)

Report Created Sat Apr 11 2020



T.E.A.M. Study Area Report

Legend



Summary: Lockhart Water Improvements
284.26 Acres || 115.04 Hectares

Acres	Hectares	% Total	# Polys		Tx Ecological System
201.28	81.46	70.81	5		Blackland Prairie: Disturbance or Tame Grassland

Description: This type includes grasslands in many conditions, and introduced grasses such as Bermudagrass and King Ranch bluestem are the most frequent dominant species. Shrubs or tress such as mesquite, cedar elm, eastern redcedar, surgar hackberry, and huisache may be present, but typically have low cover.

NatureServe Number:	CES205.684
NatureServe EcoSys:	Texas Blackland Tallgrass Prairie
Modeled Landcover:	Grassland
Descriptive Landcover:	Grassland
WL Habitat Type:	Non-native Pasture

201.28	81.46	70.81	5		Blackland Prairie: Disturbance or Tame Grassland
--------	-------	-------	---	--	---

Description: This type includes grasslands in many conditions, and introduced grasses such as Bermudagrass and King Ranch bluestem are the most frequent dominant species. Shrubs or tress such as mesquite, cedar elm, eastern redcedar, surgar hackberry, and huisache may be present, but typically have low cover.

NatureServe Number:	CES205.684
NatureServe EcoSys:	Texas Blackland Tallgrass Prairie
Modeled Landcover:	Grassland
Descriptive Landcover:	Grassland
WL Habitat Type:	Non-native Pasture

42.79	17.32	15.05	11		Urban High Intensity
-------	-------	-------	----	---	-----------------------------

Description: This type consists of built-up areas and wide transportation corridors that are dominated by impervious cover.

NatureServe Number:	Anthro10
NatureServe EcoSys:	Urban High Intensity
Modeled Landcover:	Urban High
Descriptive Landcover:	Urban High
WL Habitat Type:	Other

42.79	17.32	15.05	11		Urban High Intensity
-------	-------	-------	----	---	-----------------------------

Description: This type consists of built-up areas and wide transportation corridors that are dominated by impervious cover.

NatureServe Number:	Anthro10
NatureServe EcoSys:	Urban High Intensity
Modeled Landcover:	Urban High
Descriptive Landcover:	Urban High
WL Habitat Type:	Other

20.79	8.41	7.31	6		Urban Low Intensity
-------	------	------	---	---	----------------------------

Description: This type includes areas that are built-up but not entirely covered by impervious cover, and includes most of the non-industrial areas within cities and towns.

NatureServe Number:	Anthro11
NatureServe EcoSys:	Urban Low Intensity
Modeled Landcover:	Urban Low
Descriptive Landcover:	Urban Low
WL Habitat Type:	Other

20.79	8.41	7.31	6		Urban Low Intensity
-------	------	------	---	---	----------------------------

Description: This type includes areas that are built-up but not entirely covered by impervious cover, and includes most of the non-industrial areas within cities and towns.

NatureServe Number:	Anthro11
NatureServe EcoSys:	Urban Low Intensity
Modeled Landcover:	Urban Low
Descriptive Landcover:	Urban Low
WL Habitat Type:	Other




T.E.A.M. Study Area Report



Legend

Summary: Lockhart Water Improvements
284.26 Acres || 115.04 Hectares

Acres	Hectares	% Total	# Polys	Tx Ecological System
8.33	3.37	2.93	2	 Native Invasive: Mesquite Shrubland

Description: Mesquite is most often the dominant species of this broadly defined system, which occurs throughout most of the state, except in east and south Texas. It is typically mapped on former prairie or savanna soils. Codominants vary by region, but lotebush, juniper, sugar or netleaf hackberry, pricklypear species, and agarito are common associated species.

NatureServe Number: NatInvas05
[NatureServe EcoSys](#): Native Invasive: Mesquite Shrubland
 Modeled Landcover: *CD Shrub*
 Descriptive Landcover: *Deciduous Shrubland*
 WL Habitat Type: *Native Rangeland/Brush*

8.33	3.37	2.93	2	 Native Invasive: Mesquite Shrubland
------	------	------	---	---

Description: Mesquite is most often the dominant species of this broadly defined system, which occurs throughout most of the state, except in east and south Texas. It is typically mapped on former prairie or savanna soils. Codominants vary by region, but lotebush, juniper, sugar or netleaf hackberry, pricklypear species, and agarito are common associated species.

NatureServe Number: NatInvas05
[NatureServe EcoSys](#): Native Invasive: Mesquite Shrubland
 Modeled Landcover: *CD Shrub*
 Descriptive Landcover: *Deciduous Shrubland*
 WL Habitat Type: *Native Rangeland/Brush*

5.81	2.35	2.04	2	 Open Water
------	------	------	---	--

Description: Areas that were water year-round at the time of data collection (circa 2010) are included. This includes reservoirs, rivers, canals, ponds, and marine waters along the gulf of Mexico are also mapped.

NatureServe Number: Azonal01
[NatureServe EcoSys](#): Open Water
 Modeled Landcover: *Open Water*
 Descriptive Landcover: *Open Water*
 WL Habitat Type: *Other*

5.81	2.35	2.04	2	 Open Water
------	------	------	---	--

Description: Areas that were water year-round at the time of data collection (circa 2010) are included. This includes reservoirs, rivers, canals, ponds, and marine waters along the gulf of Mexico are also mapped.

NatureServe Number: Azonal01
[NatureServe EcoSys](#): Open Water
 Modeled Landcover: *Open Water*
 Descriptive Landcover: *Open Water*
 WL Habitat Type: *Other*

3.46	1.40	1.22	1	 Central Texas: Floodplain Herbaceous Vegetation
------	------	------	---	---

Description: A variety of generally tame or successional grasslands and forblands are mapped in this type, with Bermudagrass, Johnsongrass, and bahiagrass (east) all common. Important native species include creek oats, vine mesquite, Eastern gamagrass, and switchgrass.

NatureServe Number: CES205.710
[NatureServe EcoSys](#): Southeastern Great Plains Floodplain Forest
 Modeled Landcover: *Grassland*
 Descriptive Landcover: *Floodplain Grassland*
 WL Habitat Type: *Bottomland/Riparian*

3.46	1.40	1.22	1	 Central Texas: Floodplain Herbaceous Vegetation
------	------	------	---	---

Description: A variety of generally tame or successional grasslands and forblands are mapped in this type, with Bermudagrass, Johnsongrass, and bahiagrass (east) all common. Important native species include creek oats, vine mesquite, Eastern gamagrass, and switchgrass.

NatureServe Number: CES205.710
[NatureServe EcoSys](#): Southeastern Great Plains Floodplain Forest
 Modeled Landcover: *Grassland*
 Descriptive Landcover: *Floodplain Grassland*
 WL Habitat Type: *Bottomland/Riparian*



T.E.A.M. Study Area Report



Legend

Summary: Lockhart Water Improvements
284.26 Acres || 115.04 Hectares

Acres	Hectares	% Total	# Polys	Tx Ecological System
1.79	0.73	0.63	3	Barren

Description: This type includes areas where little or no vegetation cover existed at the time of image data collection. Many areas mapped as this type are human-associated land clearings.

NatureServe Number:	Azonal02
NatureServe EcoSys:	Barren
Modeled Landcover:	Barren
Descriptive Landcover:	Barren
WL Habitat Type:	Other

1.79	0.73	0.63	3	Barren
------	------	------	---	--------

Description: This type includes areas where little or no vegetation cover existed at the time of image data collection. Many areas mapped as this type are human-associated land clearings.

NatureServe Number:	Azonal02
NatureServe EcoSys:	Barren
Modeled Landcover:	Barren
Descriptive Landcover:	Barren
WL Habitat Type:	Other

0.00	0.00	0.00	1	Native Invasive: Deciduous Woodland
------	------	------	---	-------------------------------------

Description: This broadly-defined type is mapped on prairie soils from the Blacklands Prairie region westward. These areas have often been heavily grazed, formerly plowed, or fire suppressed. Common species across all regions may include mesquite, sugar or netleaf hackberry, and cedar elm. Juniper species are often a component. To the west, species such as Siberian elm and western soapberry are common.

NatureServe Number:	NatInvas03
NatureServe EcoSys:	Native Invasive: Deciduous Woodland
Modeled Landcover:	CD Forest
Descriptive Landcover:	Deciduous Forest
WL Habitat Type:	Native Rangeland/Brush

0.00	0.00	0.00	1	Native Invasive: Deciduous Woodland
------	------	------	---	-------------------------------------

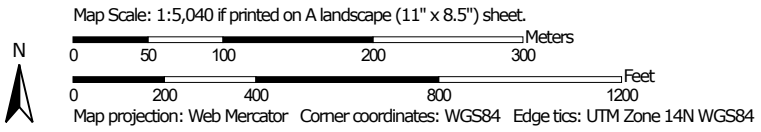
Description: This broadly-defined type is mapped on prairie soils from the Blacklands Prairie region westward. These areas have often been heavily grazed, formerly plowed, or fire suppressed. Common species across all regions may include mesquite, sugar or netleaf hackberry, and cedar elm. Juniper species are often a component. To the west, species such as Siberian elm and western soapberry are common.

NatureServe Number:	NatInvas03
NatureServe EcoSys:	Native Invasive: Deciduous Woodland
Modeled Landcover:	CD Forest
Descriptive Landcover:	Deciduous Forest
WL Habitat Type:	Native Rangeland/Brush

Soil Map—Caldwell County, Texas
(Lockhart Water Line Installation)



Soil Map may not be valid at this scale.




MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



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



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

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: Caldwell County, Texas

Survey Area Data: Version 15, Sep 12, 2019

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

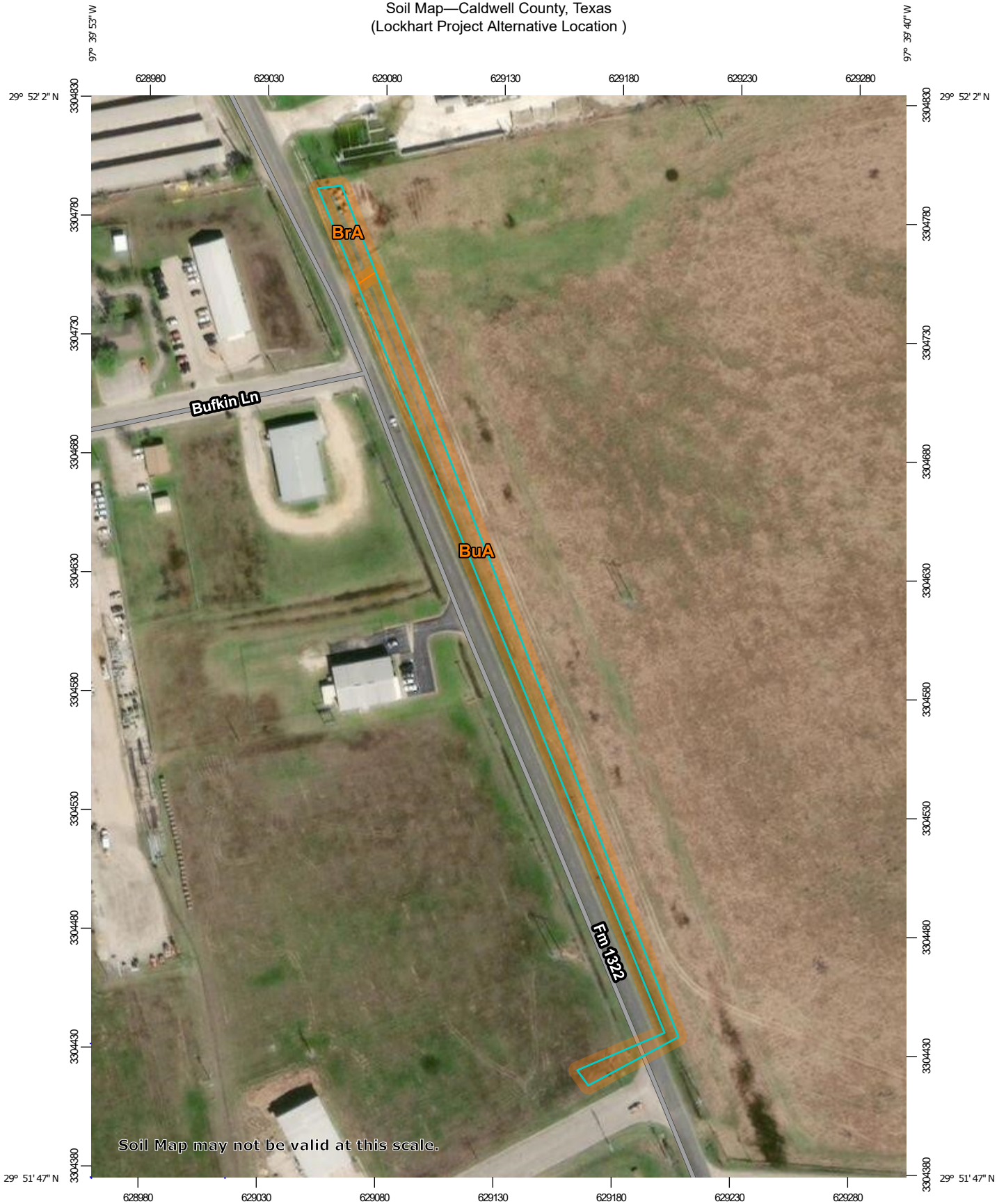
Date(s) aerial images were photographed: Jan 11, 2016—Nov 30, 2017

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.

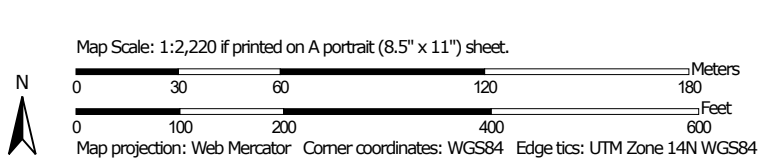
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BrA	Branyon clay, 0 to 1 percent slopes	1.0	29.4%
BuA	Burleson clay, 0 to 1 percent slopes	1.8	51.0%
MaA	Mabank loam, 0 to 1 percent slopes	0.7	19.6%
Totals for Area of Interest		3.6	100.0%

Soil Map—Caldwell County, Texas
(Lockhart Project Alternative Location)



Soil Map may not be valid at this scale.




MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



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



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

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: Caldwell County, Texas

Survey Area Data: Version 15, Sep 12, 2019

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

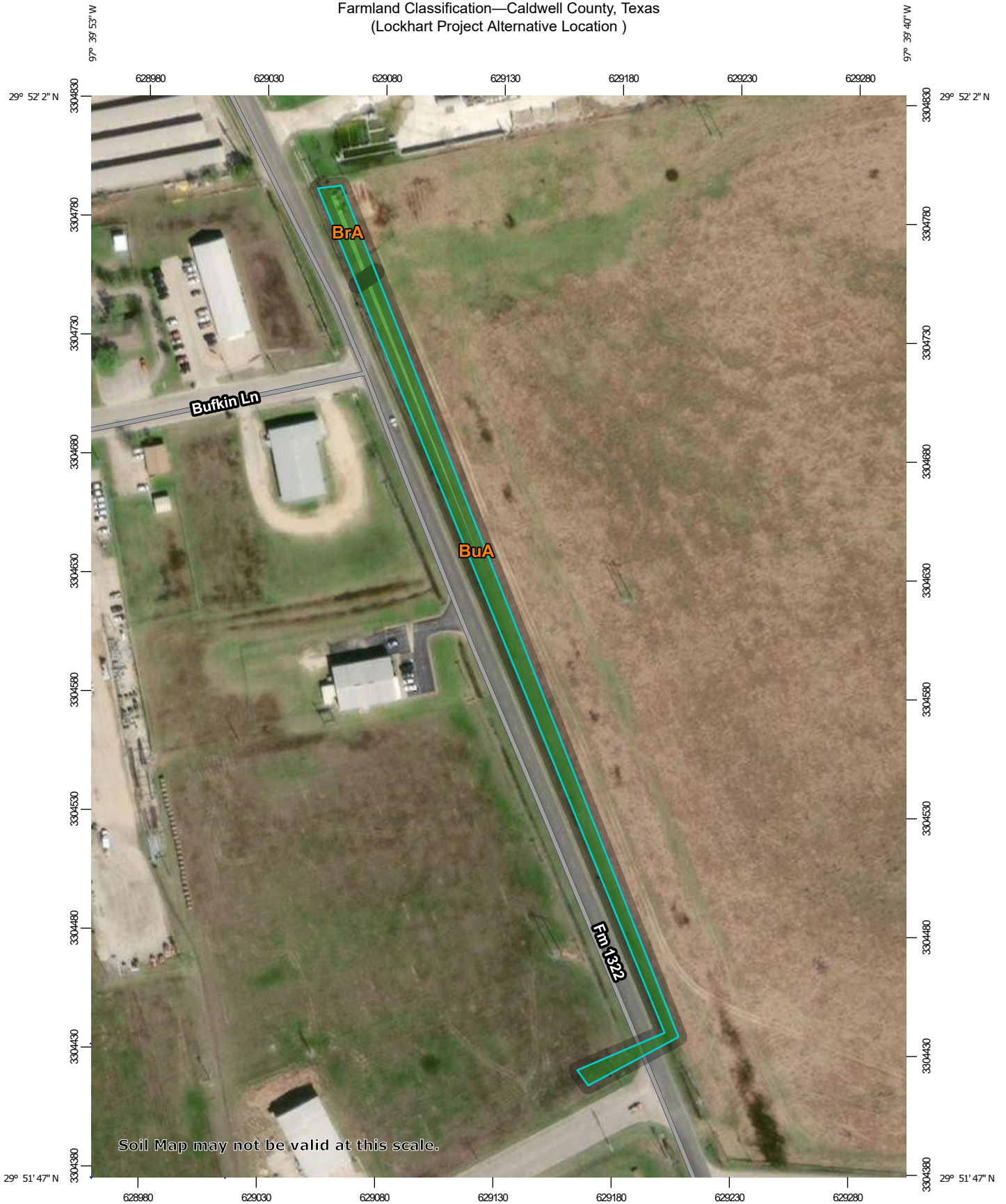
Date(s) aerial images were photographed: Jan 11, 2016—Nov 30, 2017

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.

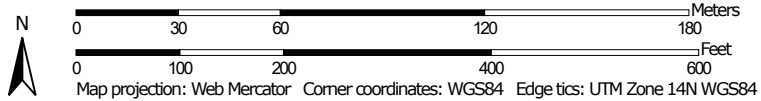
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BrA	Branyon clay, 0 to 1 percent slopes	0.1	12.9%
BuA	Burleson clay, 0 to 1 percent slopes	0.7	87.1%
Totals for Area of Interest		0.8	100.0%

Farmland Classification—Caldwell County, Texas
(Lockhart Project Alternative Location)




Map Scale: 1:2,220 if printed on A portrait (8.5" x 11") sheet.



Farmland Classification—Caldwell County, Texas
(Lockhart Project Alternative Location)









MAP LEGEND








Area of Interest (AOI)






 Area of Interest (AOI)








Soils



Soil Rating Polygons

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season









-  Prime farmland if subsoiled, completely removing the root inhibiting soil layer
-  Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
-  Prime farmland if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance
-  Farmland of statewide importance, if drained
-  Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if irrigated

-  Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if irrigated and drained
-  Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
-  Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60





































-  Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if warm enough
-  Farmland of statewide importance, if thawed
-  Farmland of local importance
-  Farmland of local importance, if irrigated

-  Farmland of unique importance
-  Not rated or not available






















Soil Rating Lines

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

Farmland Classification—Caldwell County, Texas
(Lockhart Project Alternative Location)

	Prime farmland if subsoiled, completely removing the root inhibiting soil layer		Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium		Farmland of unique importance		Prime farmland if subsoiled, completely removing the root inhibiting soil layer
	Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60		Farmland of statewide importance, if irrigated and drained		Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season		Soil Rating Points Not prime farmland		Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
	Prime farmland if irrigated and reclaimed of excess salts and sodium		Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season		Prime farmland if drained		Prime farmland if irrigated and reclaimed of excess salts and sodium
	Farmland of statewide importance		Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer		Farmland of statewide importance, if warm enough		Prime farmland if protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance
	Farmland of statewide importance, if drained		Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60		Farmland of statewide importance, if thawed		Prime farmland if irrigated		Farmland of statewide importance, if drained
	Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season				Farmland of local importance		Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
	Farmland of statewide importance, if irrigated				Farmland of local importance, if irrigated		Prime farmland if irrigated and drained		Farmland of statewide importance, if irrigated
							Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season		

Farmland Classification—Caldwell County, Texas
(Lockhart Project Alternative Location)

<ul style="list-style-type: none">  Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season  Farmland of statewide importance, if irrigated and drained  Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season  Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer  Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60 	<ul style="list-style-type: none">  Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium  Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season  Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season  Farmland of statewide importance, if warm enough  Farmland of statewide importance, if thawed  Farmland of local importance  Farmland of local importance, if irrigated 	<ul style="list-style-type: none">  Farmland of unique importance  Not rated or not available <p>Water Features</p> <ul style="list-style-type: none">  Streams and Canals <p>Transportation</p> <ul style="list-style-type: none">  Rails  Interstate Highways  US Routes  Major Roads  Local Roads <p>Background</p> <ul style="list-style-type: none">  Aerial Photography 	<p>The soil surveys that comprise your AOI were mapped at 1:20,000.</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Warning: Soil Map may not be valid at this scale.</p> <p>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.</p> </div> <p>Please rely on the bar scale on each map sheet for map measurements.</p> <p>Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)</p> <p>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.</p> <p>This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.</p> <p>Soil Survey Area: Caldwell County, Texas Survey Area Data: Version 15, Sep 12, 2019</p> <p>Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.</p> <p>Date(s) aerial images were photographed: Jan 11, 2016—Nov 30, 2017</p> <p>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.</p>
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Farmland Classification

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
BrA	Branyon clay, 0 to 1 percent slopes	All areas are prime farmland	0.1	12.9%
BuA	Burleson clay, 0 to 1 percent slopes	All areas are prime farmland	0.7	87.1%
Totals for Area of Interest			0.8	100.0%

Description

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

Rating Options

Aggregation Method: No Aggregation Necessary

Tie-break Rule: Lower

Caldwell County, Texas

BrA—Branyon clay, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 2shgv

Elevation: 290 to 1,050 feet

Mean annual precipitation: 31 to 38 inches

Mean annual air temperature: 65 to 70 degrees F

Frost-free period: 238 to 288 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Branyon and similar soils: 85 percent

Minor components: 15 percent

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

Description of Branyon

Setting

Landform: Stream terraces, stream terraces

Landform position (three-dimensional): Tread

Microfeatures of landform position: Circular gilgai, circular gilgai

Down-slope shape: Linear

Across-slope shape: Convex

Parent material: Calcareous clayey alluvium derived from mudstone of pleistocene age

Typical profile

Ap - 0 to 12 inches: clay

Bkss - 12 to 72 inches: clay

BCKss - 72 to 80 inches: clay

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Natural 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: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 35 percent

Gypsum, maximum in profile: 5 percent

Salinity, maximum in profile: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 7.0

Available water storage in profile: High (about 10.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2w

Hydrologic Soil Group: D

Ecological site: Southern Blackland (R086AY011TX)

Hydric soil rating: No

Minor Components**Lewisville**

Percent of map unit: 5 percent

Landform: Stream terraces

Landform position (three-dimensional): Riser

Down-slope shape: Linear

Across-slope shape: Convex

Ecological site: Southern Clay Loam (R086AY007TX)

Hydric soil rating: No

Burleson

Percent of map unit: 5 percent

Landform: Stream terraces, stream terraces

Landform position (three-dimensional): Tread

Microfeatures of landform position: Circular gilgai, circular gilgai

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: Southern Blackland (R086AY011TX)

Hydric soil rating: No

Houston black

Percent of map unit: 5 percent

Landform: Ridges

Landform position (two-dimensional): Footslope

Landform position (three-dimensional): Base slope

Microfeatures of landform position: Circular gilgai

Down-slope shape: Linear

Across-slope shape: Convex

Ecological site: Southern Blackland (R086AY011TX)

Hydric soil rating: No

Data Source Information

Soil Survey Area: Caldwell County, Texas

Survey Area Data: Version 15, Sep 12, 2019

Caldwell County, Texas

MaA—Mabank loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: d68k

Elevation: 230 to 680 feet

Mean annual precipitation: 32 to 40 inches

Mean annual air temperature: 64 to 70 degrees F

Frost-free period: 220 to 280 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Mabank and similar soils: 90 percent

Minor components: 10 percent

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

Description of Mabank

Setting

Landform: Stream terraces, stream terraces

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Concave

Parent material: Clayey alluvium of quaternary age derived from mixed sources

Typical profile

H1 - 0 to 7 inches: loam

H2 - 7 to 39 inches: clay

H3 - 39 to 76 inches: sandy clay

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Moderately well drained

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 in profile: 15 percent

Gypsum, maximum in profile: 22 percent

Salinity, maximum in profile: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 8.0

Available water storage in profile: Moderate (about 8.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: D
Ecological site: Southern Claypan Prairie (R086AY004TX)
Hydric soil rating: No

Minor Components

Unnamed

Percent of map unit: 9 percent
Hydric soil rating: No

Unnamed, hydric

Percent of map unit: 1 percent
Landform: Depressions
Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Caldwell County, Texas
Survey Area Data: Version 15, Sep 12, 2019

Caldwell County, Texas

BuA—Burleson clay, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 2ssg6

Elevation: 300 to 800 feet

Mean annual precipitation: 32 to 45 inches

Mean annual air temperature: 63 to 70 degrees F

Frost-free period: 220 to 270 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Burleson and similar soils: 90 percent

Minor components: 10 percent

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

Description of Burleson

Setting

Landform: Stream terraces, stream terraces

Landform position (three-dimensional): Tread

Microfeatures of landform position: Circular gilgai, circular gilgai

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous clayey alluvium of pleistocene age derived from mixed sources

Typical profile

A - 0 to 23 inches: clay

Bss - 23 to 38 inches: clay

Bkss - 38 to 69 inches: clay

2Ck - 69 to 90 inches: clay

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Natural 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: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 15 percent

Salinity, maximum in profile: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 2.0

Available water storage in profile: Moderate (about 8.3 inches)

Interpretive groups

Land capability classification (irrigated): 2s
Land capability classification (nonirrigated): 2s
Hydrologic Soil Group: D
Ecological site: Southern Blackland (R086AY011TX)
Hydric soil rating: No

Minor Components

Branyon

Percent of map unit: 5 percent
Landform: Stream terraces
Landform position (three-dimensional): Tread
Microfeatures of landform position: Circular gilgai
Down-slope shape: Linear
Across-slope shape: Convex
Ecological site: Southern Blackland (R086AY011TX)
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: Claypan Prairie (R086BY002TX)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Caldwell County, Texas
Survey Area Data: Version 15, Sep 12, 2019

Caldwell County, Texas

BrA—Branyon clay, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 2shgv

Elevation: 290 to 1,050 feet

Mean annual precipitation: 31 to 38 inches

Mean annual air temperature: 65 to 70 degrees F

Frost-free period: 238 to 288 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Branyon and similar soils: 85 percent

Minor components: 15 percent

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

Description of Branyon

Setting

Landform: Stream terraces, stream terraces

Landform position (three-dimensional): Tread

Microfeatures of landform position: Circular gilgai, circular gilgai

Down-slope shape: Linear

Across-slope shape: Convex

Parent material: Calcareous clayey alluvium derived from mudstone of pleistocene age

Typical profile

Ap - 0 to 12 inches: clay

Bkss - 12 to 72 inches: clay

BCKss - 72 to 80 inches: clay

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Natural 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: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 35 percent

Gypsum, maximum in profile: 5 percent

Salinity, maximum in profile: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 7.0

Available water storage in profile: High (about 10.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2w

Hydrologic Soil Group: D

Ecological site: Southern Blackland (R086AY011TX)

Hydric soil rating: No

Minor Components**Lewisville**

Percent of map unit: 5 percent

Landform: Stream terraces

Landform position (three-dimensional): Riser

Down-slope shape: Linear

Across-slope shape: Convex

Ecological site: Southern Clay Loam (R086AY007TX)

Hydric soil rating: No

Burleson

Percent of map unit: 5 percent

Landform: Stream terraces, stream terraces

Landform position (three-dimensional): Tread

Microfeatures of landform position: Circular gilgai, circular gilgai

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: Southern Blackland (R086AY011TX)

Hydric soil rating: No

Houston black

Percent of map unit: 5 percent

Landform: Ridges

Landform position (two-dimensional): Footslope

Landform position (three-dimensional): Base slope

Microfeatures of landform position: Circular gilgai

Down-slope shape: Linear

Across-slope shape: Convex

Ecological site: Southern Blackland (R086AY011TX)

Hydric soil rating: No

Data Source Information

Soil Survey Area: Caldwell County, Texas

Survey Area Data: Version 15, Sep 12, 2019

Caldwell County, Texas

BuA—Burleson clay, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 2ssg6

Elevation: 300 to 800 feet

Mean annual precipitation: 32 to 45 inches

Mean annual air temperature: 63 to 70 degrees F

Frost-free period: 220 to 270 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Burleson and similar soils: 90 percent

Minor components: 10 percent

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

Description of Burleson

Setting

Landform: Stream terraces, stream terraces

Landform position (three-dimensional): Tread

Microfeatures of landform position: Circular gilgai, circular gilgai

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous clayey alluvium of pleistocene age derived from mixed sources

Typical profile

A - 0 to 23 inches: clay

Bss - 23 to 38 inches: clay

Bkss - 38 to 69 inches: clay

2Ck - 69 to 90 inches: clay

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Natural 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: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 15 percent

Salinity, maximum in profile: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 2.0

Available water storage in profile: Moderate (about 8.3 inches)

Interpretive groups

Land capability classification (irrigated): 2s

Land capability classification (nonirrigated): 2s

Hydrologic Soil Group: D

Ecological site: Southern Blackland (R086AY011TX)

Hydric soil rating: No

Minor Components

Branyon

Percent of map unit: 5 percent

Landform: Stream terraces

Landform position (three-dimensional): Tread

Microfeatures of landform position: Circular gilgai

Down-slope shape: Linear

Across-slope shape: Convex

Ecological site: Southern Blackland (R086AY011TX)

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: Claypan Prairie (R086BY002TX)

Hydric soil rating: No

Data Source Information

Soil Survey Area: Caldwell County, Texas

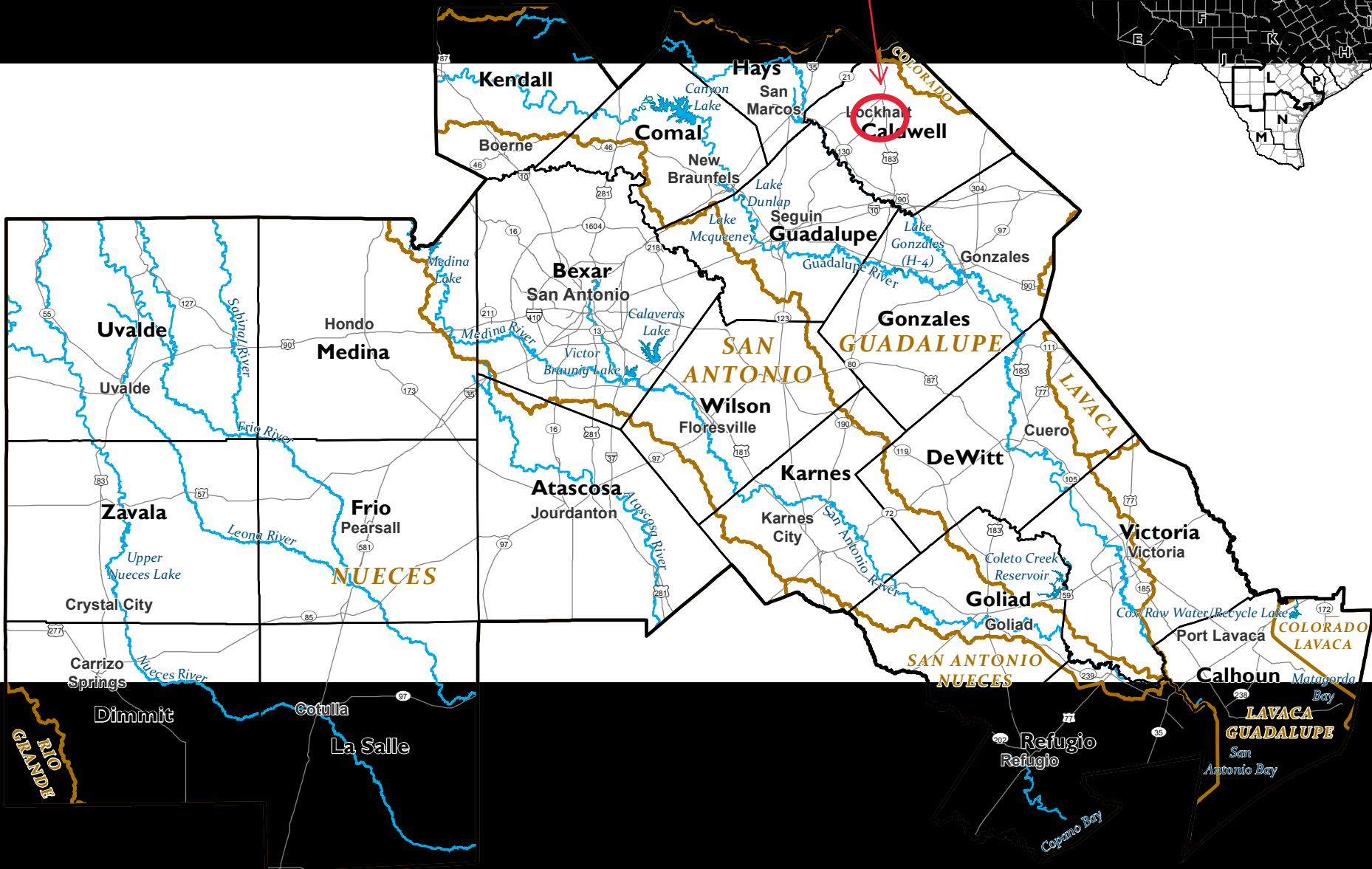
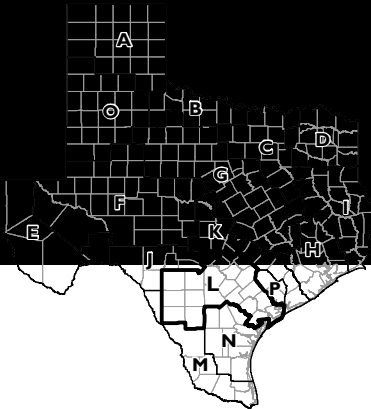
Survey Area Data: Version 15, Sep 12, 2019

ATTACHMENT 18

SOCIOECONOMIC INFORMATION

- Regional Water Planning Area Map

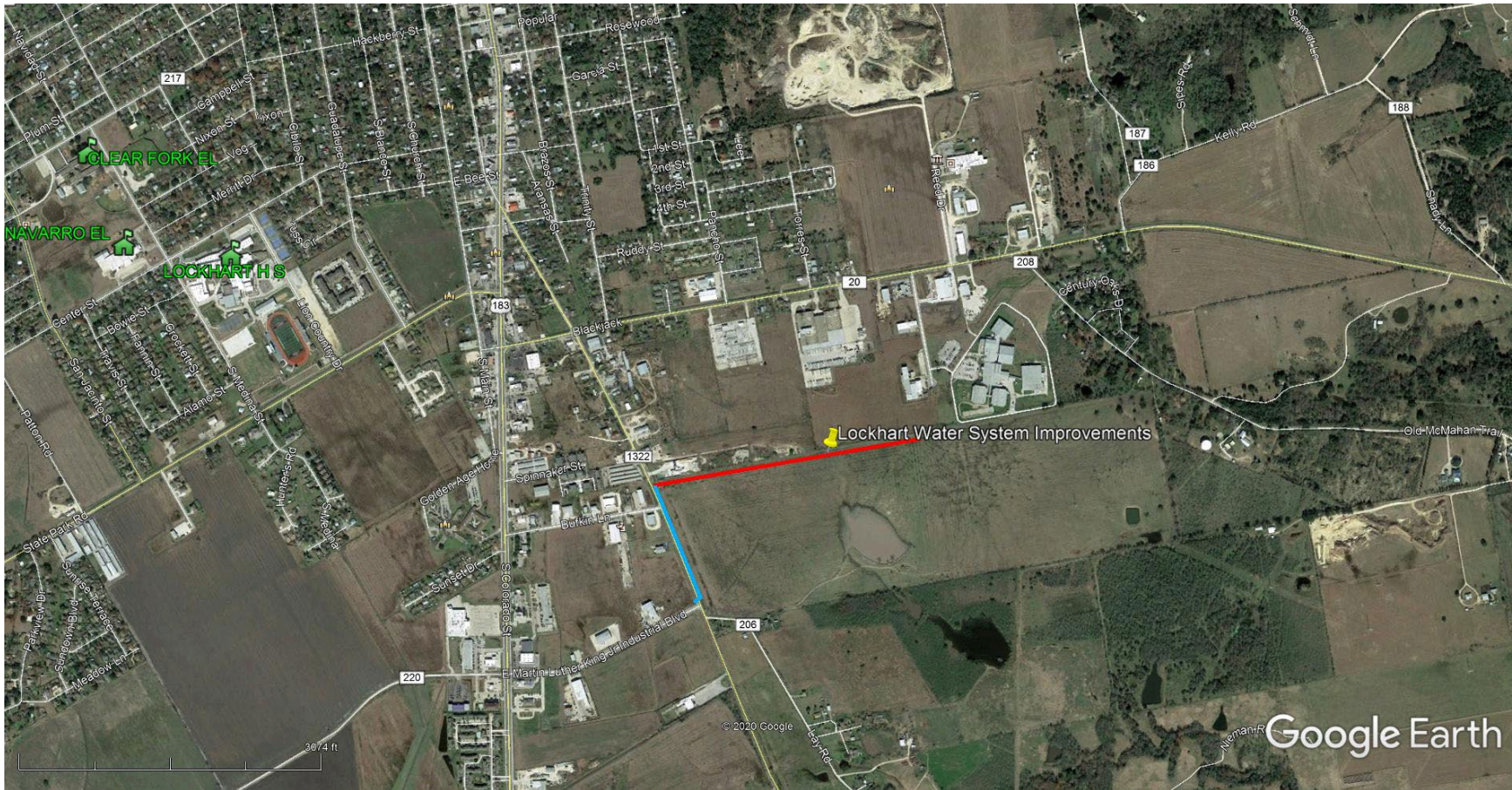
Proposed Project Area



ATTACHMENT 19


COMMUNITY FACILITIES AND SERVICES

- NEPAssist or Google Earth Map of Social Places in Area
 - Hospitals
 - Schools
 - Churches
 - Council of Government Correspondence



No schools are located within close proximity to the project site.

- Project Location
- Project Alternative

Client Name	City of Lockhart	Future Link Technologies 
Contract #	7219231	PO Box 90696, Austin, TX 78709
Map Information	Surrounding Area Map – Google Maps	512-443-4100
Date	May 20	Environmental Service Provider

19.1 Solid waste Disposal/Recycling

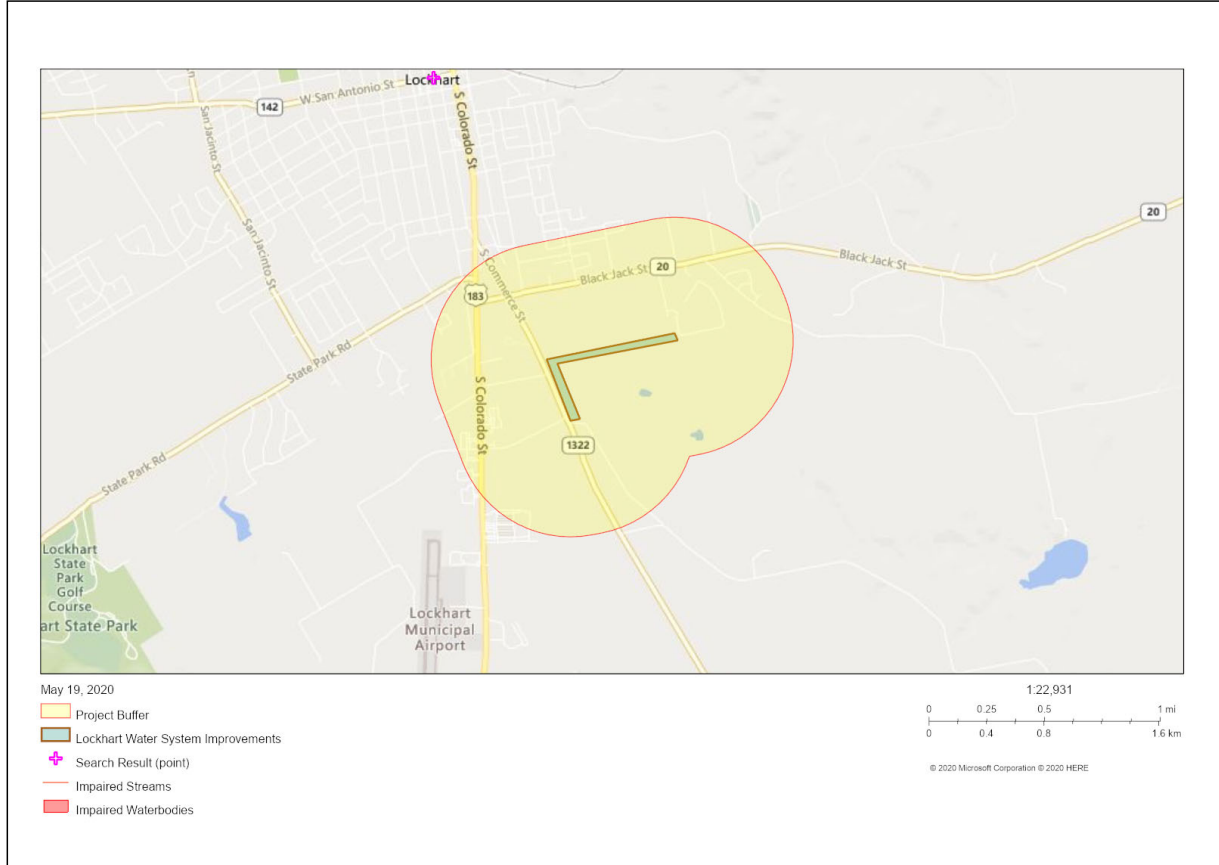
- Map of Solid Waste Disposal Sites and Recycling Centers within .5 miles

19.2 Water Quality

- NEPAssist or EPA Watershed & Impaired Water Map
- NEPAssist Monitor Well Map
- TCEQ Water Quality Permits in the Area
- TCEQ Storm Water Permits
- PUC Wastewater CCN

Lockhart Water System Improvements

Map



Geographic coordinates:

POLYGON

(29.868796,-97.654469,29.868350,-97.654255,29.866898,-97.662924,29.863437,-97.661293,29.863325,-97.661979,29.867159,-97.663696,29.868796,-97.654469)

with buffer 0.5 miles

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

Project Area	0.03 sq mi
Within 0.5 miles of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a PM10 (1987 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a Federal Land?	no
Within 0.5 miles of an impaired stream?	no
Within 0.5 miles of an impaired waterbody?	no
Within 0.5 miles of a waterbody?	no
Within 0.5 miles of a stream?	yes
Within 0.5 miles of an NWI wetland?	click here May take several minutes

Within 0.5 miles of a Brownfields site?	no
Within 0.5 miles of a Superfund site?	no
Within 0.5 miles of a Toxic Release Inventory (TRI) site?	yes
Within 0.5 miles of a water discharger (NPDES)?	yes
Within 0.5 miles of a hazardous waste (RCRA) facility?	yes
Within 0.5 miles of an air emission facility?	yes
Within 0.5 miles of a school?	no
Within 0.5 miles of an airport?	no
Within 0.5 miles of a hospital?	no
Within 0.5 miles of a designated sole source aquifer?	no
Within 0.5 miles of a historic property on the National Register of Historic Places?	no
Within 0.5 miles of a Toxic Substances Control Act (TSCA) site?	no
Within 0.5 miles of a Land Cession Boundary?	no
Within 0.5 miles of a tribal area (lower 48 states)?	no

- Texas Report** 
- Demographic Reports** 
- USFWS IPaC Report** 

Central Registry Query - Regulated Entity Search Results List

The regulated entity name search looks for current and prior customer names. Therefore, the result list could return a name that doesn't exactly match the search criteria.

Your Search Returned **2** Records. Click on a column name to change the sort or a RN to view the regulated entity information.

1-2 of 2 Records

RN Number	Regulated Entity Name ▲	County	Location
RN103972139	LOCKHART NO 274	CALDWELL	1422 S COMMERCE ST LOCKHART TX 78644 3458
RN105493704	TXDOT- AUS - CSJ 0152-02-058	CALDWELL	IN THE CITY OF LOCKHART ON US 183 FROM NORTH COMMERCE ST TO PECAN ST.

1-2 of 2 Records

The following search criteria was entered:

Program Area: STORM

Address: COMMERCE

City: LOCKHART

[Site Help](#) | [Disclaimer](#) | [Web Policies](#) | [Accessibility](#) | [Our Compact with Texans](#) | [TCEQ Homeland Security](#) | [Contact Us](#) | [Central Registry](#) | [Search Hints](#) | [Report Data Errors](#)
[Statewide Links: Texas.gov](#) | [Texas Homeland Security](#) | [TRAIL Statewide Archive](#) | [Texas Veterans Portal](#)

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Central Registry Query - Regulated Entity Information

Regulated Entity Information

RN Number: RN105493704

Name: TXDOT- AUS - CSJ 0152-02-058

Primary Business: GRADE SEPARATION,STORM SEWER,GRADING,BASE,CURB&GU

Street Address: No street address on file.

County: CALDWELL

Nearest City: LOCKHART

State: TX

Near ZIP Code: 78644


Physical Location: IN THE CITY OF LOCKHART ON US 183 FROM NORTH COMMERCE ST TO PECAN ST.

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
CN600803456	TEXAS DEPARTMENT OF TRANSPORTATION	OPERATOR	

Industry Type Codes

Code	Classification	Name
1611	SIC	Highway and Street Construction

Permits, Registrations, or Other Authorizations

There is **1** program and ID for this regulated entity.

1-1 of 1 Records

Program	ID Type	ID Number	ID Status
STORMWATER	PERMIT	TXR15KG80	CANCELLED

Central Registry Query - Regulated Entity Information

Regulated Entity Information

RN Number: RN103972139

Name: LOCKHART NO 274

Primary Business: INDUSTRIAL CHEMICAL MANUFACTURING PLANT

Street Address: 1422 S COMMERCE ST, LOCKHART TX 78644 3458

County: CALDWELL

Nearest City: LOCKHART

State: TX

Near ZIP Code: 78644



Physical Location: No physical location description ON file.

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
CN600125157	TXI OPERATIONS LP	OWNER OPERATOR	
CN600408009	ARCOSA MATERIALS INC	OPERATOR	

Industry Type Codes

Code	Classification	Name
327310	NAICS	Cement Manufacturing
3273	SIC	Ready-Mixed Concrete

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
PETROLEUM STORAGE TANK REGISTRATION	REGISTRATION	78753	ACTIVE
STORMWATER	PERMIT	TXR05AB74	CANCELLED
STORMWATER	PERMIT	TXR05Q701	CANCELLED

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Central Registry Query - Regulated Entity Search Results List

The regulated entity name search looks for current and prior customer names. Therefore, the result list could return a name that doesn't exactly match the search criteria.

Your Search Returned **5** Records. Click on a column name to change the sort or a RN to view the regulated entity information.

1-5 of 5 Records

RN Number	Regulated Entity Name ▲	County	Location
RN101236065	CITY OF LOCKHART WWTP NO1	CALDWELL	108 LARREMORE ST LOCKHART TX 78644 2852
RN106680028	DALE WELL 2A PLANT WTP	CALDWELL	APPROX 200 FT N OF THE INTERSECTION OF OLD COLONY RD AND THOMPSON RD
RN110966025	HARTLAND RANCH WWTP	CALDWELL	LOCATED 1460 LINNEAR FEET SOUTH AND 930 LINNEAR FEET WEST OF THE INTERSECTION OF BORCHERT LOOP AND STATE HWY 142
RN106429020	MCPAHAN WTP	CALDWELL	LOCATED APPROX .6 MI S OF THE INTERX OF FM 86 AND FM 713 IN NE CALDWELL COUNTY
RN102311164	TXI LOCKHART READY MIX	CALDWELL	LOCKHART

1-5 of 5 Records

The following search criteria was entered:

Program Area: WWPERMIT

City: LOCKHART

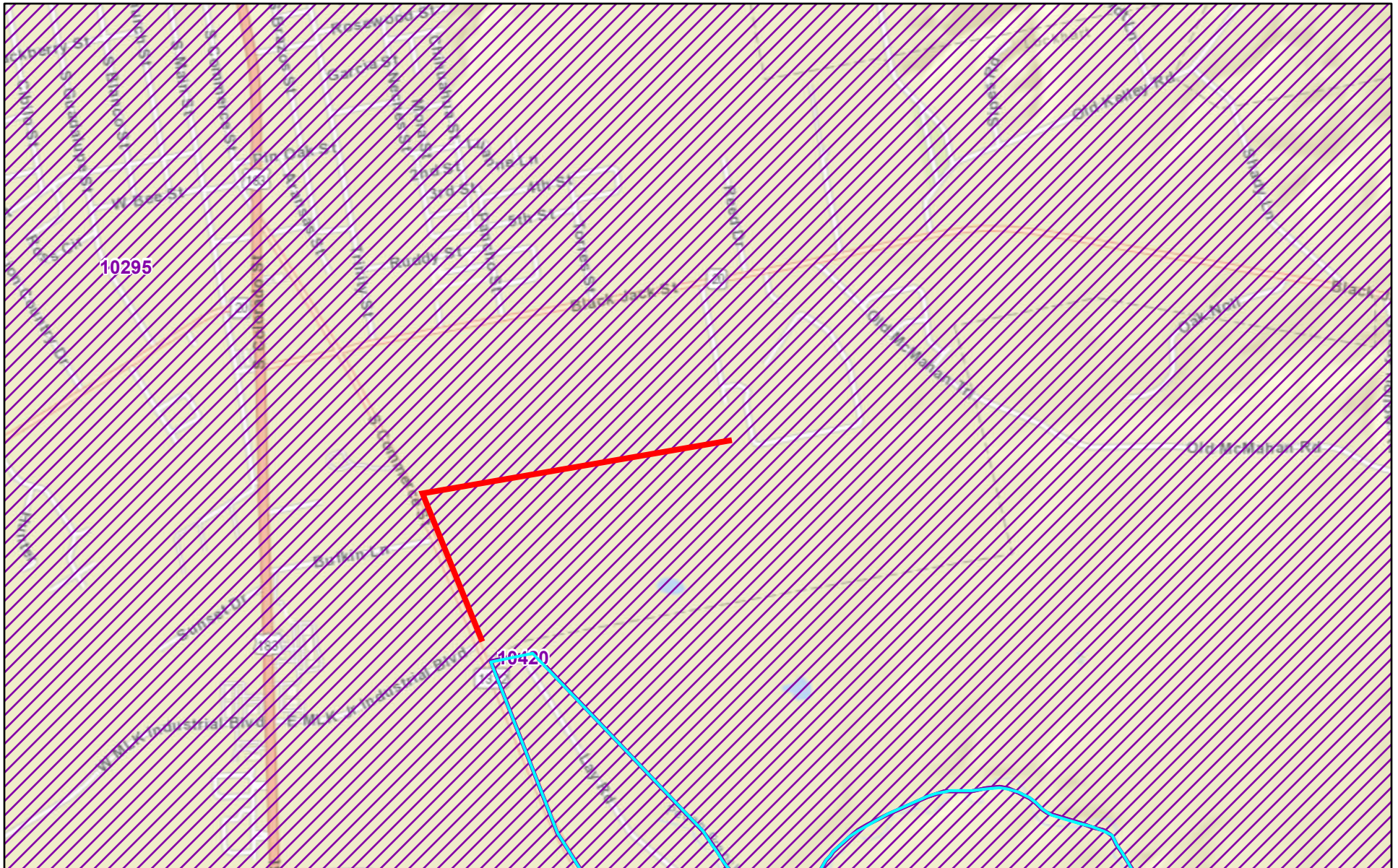
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19.3 Water Supply

- TWDB Well Numbering Grid
- TWDB WIID Map of Water Well Locations
- PUC/TCEQ Safe Drinking Water Map CCN

Lockhart Water Improvements Water CCN 10295

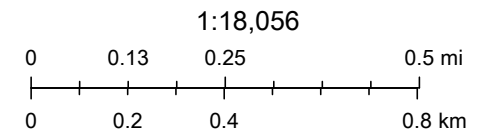


May 17, 2020

 Proposed Project Area

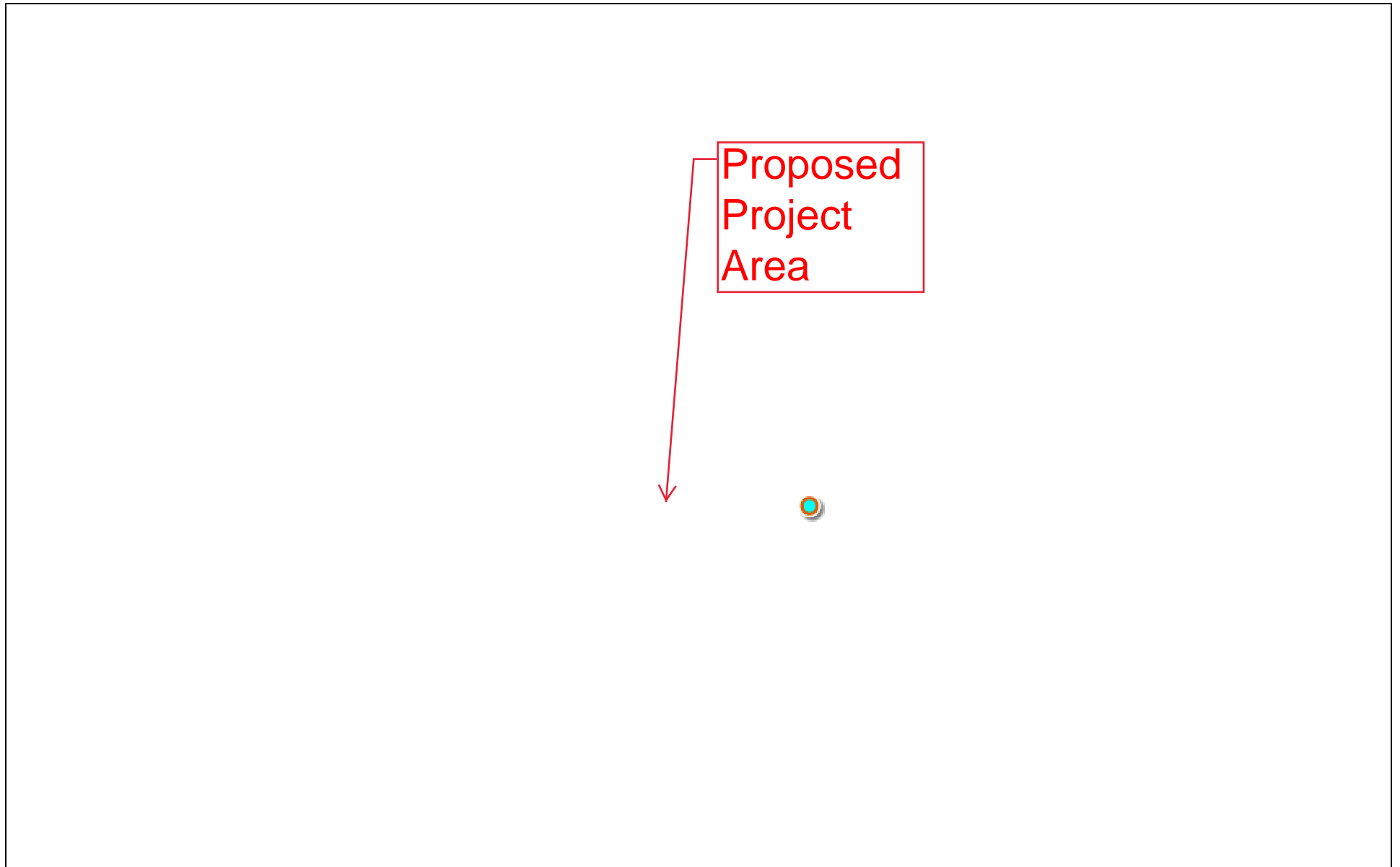
City of Lockhart
Community Development Block Grant
Contract # 7219231
Water System Improvements

 Future Link Technologies

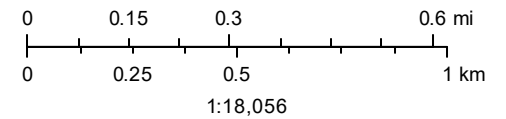


Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan,

Lockhart Water System 7219231



-  Plugging Reports
-  BRACS Database
-  Well Reports
-  TWDB Groundwater



May 19, 2020

The data in Water Data Interactive represents the best available information provided by the TWDB and third-party cooperators of the TWDB. The TWDB provides information via this web site as a public service. Neither the State of Texas nor the TWDB assumes any legal liability or responsibility or makes any guarantees or warranties as to the accuracy, completeness or suitability of the information for any particular purpose. The TWDB systematically revises or removes data discovered to be incorrect. If you find inaccurate information or have questions, please contact WDI-Support@twdb.texas.gov.



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri

Central Registry Query - Regulated Entity Information

Regulated Entity Information

RN Number: RN104277447

Name: CITY OF LOCKHART PWS

Primary Business: No primary business description on file.

Street Address: 547 OLD MCMAHAN RD, LOCKHART TX 78644 3794

County: CALDWELL

Nearest City: No near city on file.

State: TX

Near ZIP Code: No near zip code on file.



Physical Location: 547 OLD MCMAHON RD LOCKHART

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
CN600245195	CITY OF LOCKHART	RESPONSIBLE PARTY	
CN601180565	GUADALUPE-BLANCO RIVER AUTHORITY	OWNER OPERATOR	

Industry Type Codes

Code	Classification	Name
No NAICS or SIC Codes on file.		

Permits, Registrations, or Other Authorizations

There is **1** program and ID for this regulated entity.

1-1 of 1 Records

Program	ID Type	ID Number	ID Status
PUBLIC WATER SYSTEM/SUPPLY	REGISTRATION	0280001	ACTIVE


19.4 Public Safety

- Google Earth Map of Area – Area Public Safety Locations



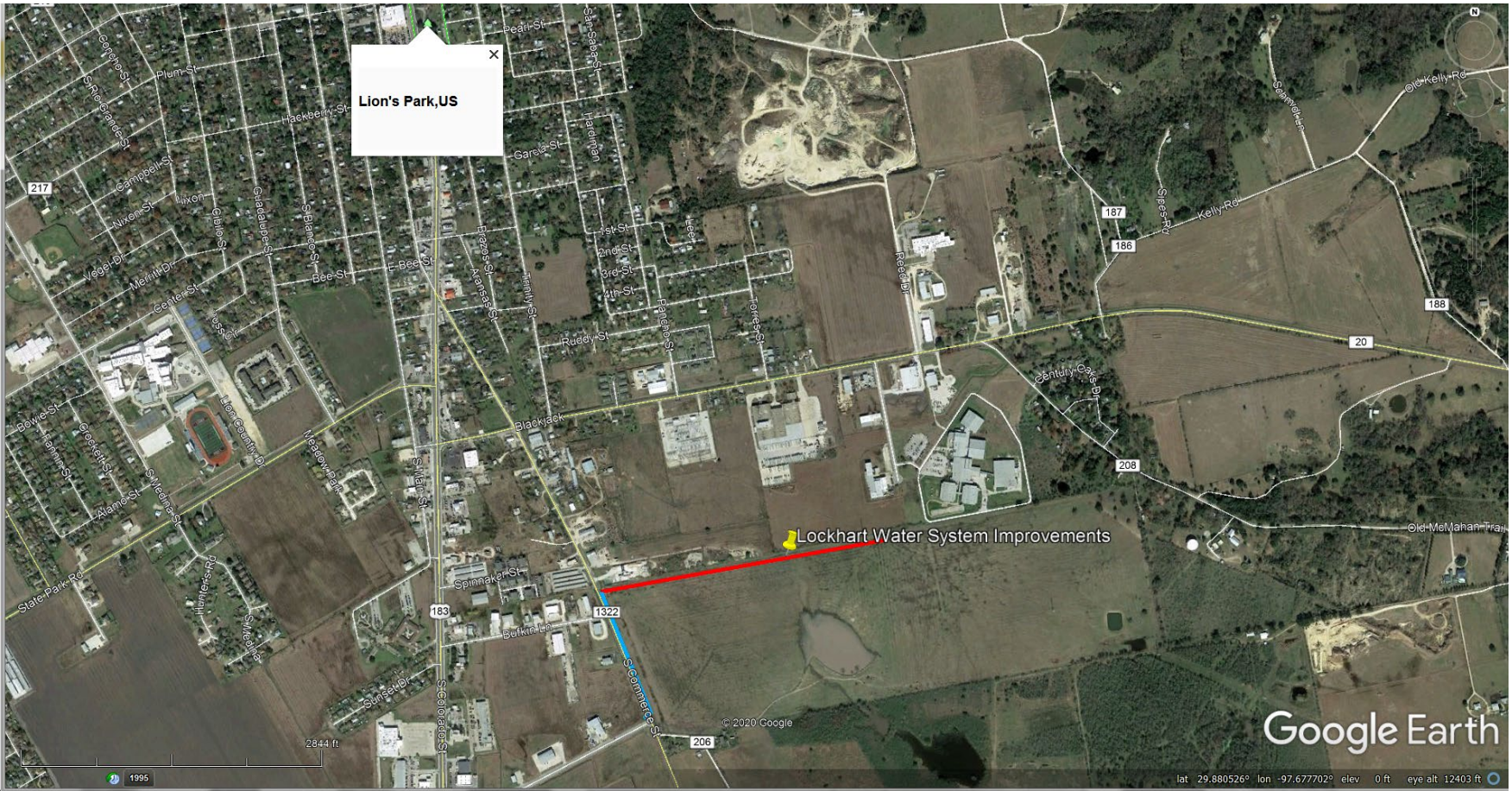
Surrounding Commercial and light industry near project area.

- Project Location
- Project Alternative

Client Name	City of Lockhart	Future Link Technologies 
Contract #	7219231	PO Box 90696, Austin, TX 78709
Map Information	Surrounding Area Map – Google Maps	512-443-4100
Date	May 20	Environmental Service Provider



19.5 Recreational Open Spaces

- Parks in the Surrounding County



No parks are located within close proximity to the project site.

- Proposed Project Area
- Proposed Alternate

Client Name	City of Lockhart	Future Link Technologies 	
Contract #	7219231	PO Box 90696, Austin, TX 78709	
Map Information	Surrounding Area Map – Google Maps	512-443-4100	
Date	May 20	Environmental Service Provider	

19.6 Transportation and Accessibility (When Needed)

ATTACHMENT 20

NATURAL FEATURES

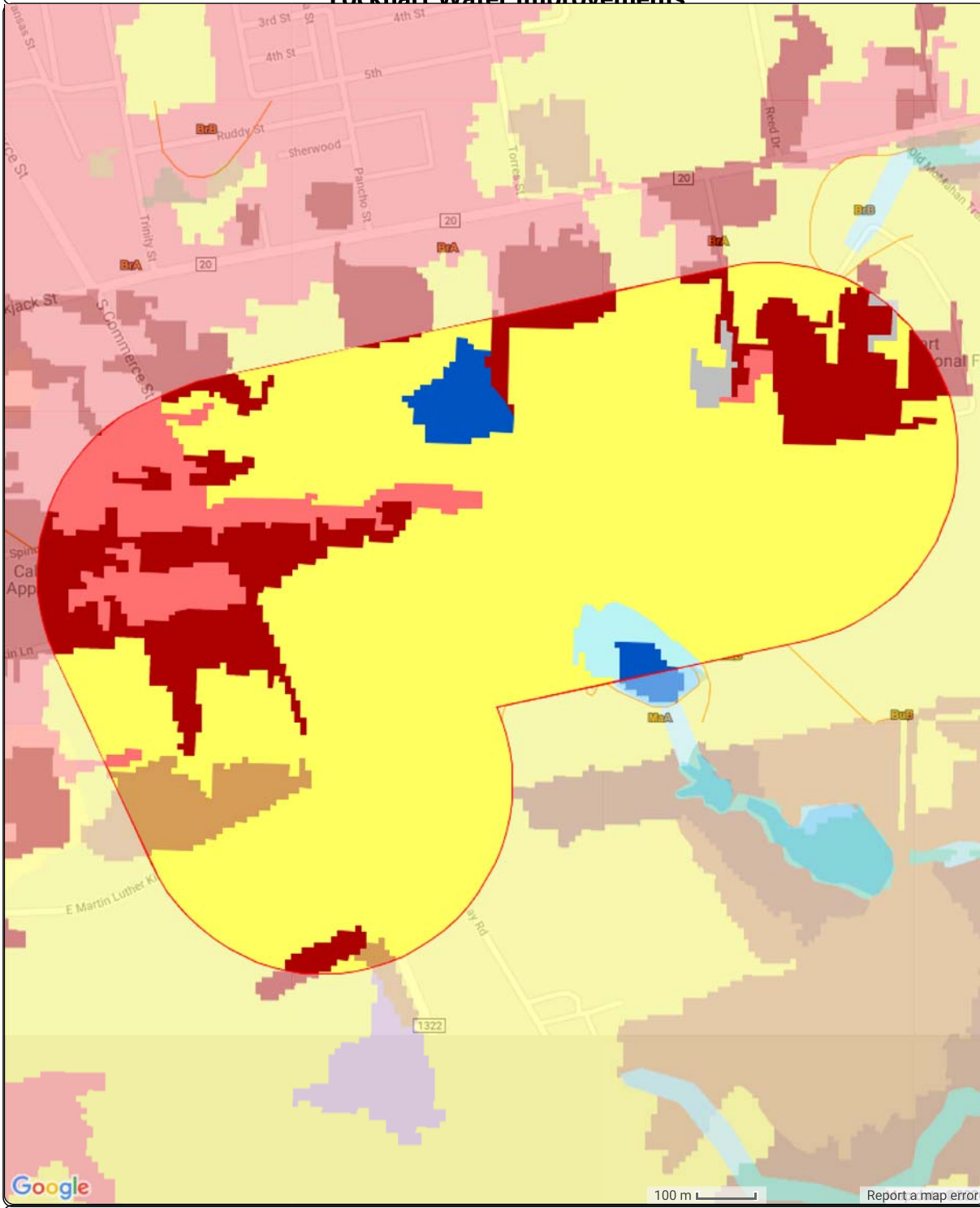
Unique Natural Features/Water Resources

Vegetation, Wildlife



T.E.A.M. Study Area Report

Lockhart Water Improvements



Report Created Sat Apr 11 2020



















T.E.A.M. Study Area Report



Legend

Summary: Lockhart Water Improvements
284.26 Acres || 115.04 Hectares

acres	Hectares	% Total	# Polys	Tx Ecological System
201.28	81.46	70.81	5	 Blackland Prairie: Disturbance or Tame Grassland
201.28	81.46	70.81	5	 Blackland Prairie: Disturbance or Tame Grassland
42.79	17.32	15.05	11	 Urban High Intensity
42.79	17.32	15.05	11	 Urban High Intensity
20.79	8.41	7.31	6	 Urban Low Intensity
20.79	8.41	7.31	6	 Urban Low Intensity
8.33	3.37	2.93	2	 Native Invasive: Mesquite Shrubland
8.33	3.37	2.93	2	 Native Invasive: Mesquite Shrubland
5.81	2.35	2.04	2	 Open Water
5.81	2.35	2.04	2	 Open Water
3.46	1.40	1.22	1	 Central Texas: Floodplain Herbaceous Vegetation
3.46	1.40	1.22	1	 Central Texas: Floodplain Herbaceous Vegetation
1.79	0.73	0.63	3	 Barren
1.79	0.73	0.63	3	 Barren
0.00	0.00	0.00	1	 Native Invasive: Deciduous Woodland
0.00	0.00	0.00	1	 Native Invasive: Deciduous Woodland

Report Created Sat Apr 11 2020

ATTACHMENT 21

OTHER PROJECT INFORMATION

Intentionally left blank - No Information