

The City of Kenedy solicits proposals for projects funded through the General Land Office Community Development Block Grant Mitigation Program (CDBG MIT) administered by the Texas General Land Office:

**REQUEST FOR PROPOSALS:**

**Archeological Services to complete an Archeological Survey for the 2020 GLO CDBG MIT  
City of Kenedy Water Improvements Project, Contract #22-085-006-D234**

Sealed packets containing the required information/documents is to be in duplicate, one (1) marked original and one (1) digital copy on a flash drive, containing the required information/documents, will be received in the office of the City of Kenedy, City Manager until 5:00 pm Thursday, November 3, 2022 and to be opened and scored on Friday November 4, 2022 at 10:30 am in the Kenedy Council Chambers. The packet is to be delivered to the City Manager, City of Kenedy, 303 W Main St. Kenedy, TX 78119. Any packet received after 5:00 pm on the date specified will be returned unopened. All persons/entities who submit a sealed packet are hereafter referred to in this RFP as "Respondent" or "Respondents".

All packets must contain the following:

**REQUEST FOR PROPOSALS:**

**Archeological Services to complete an Archeological Survey for the 2020 GLO CDBG MIT  
City of Kenedy Water Improvements Project, Contract #22-085-006-D234**

Respondent's name and return address should be prominently displayed on the envelope.

The RFP specifications can be obtained at the office of the City Manager, 303 W Main St. Kenedy, TX 78119, or from [www.kenedytx.gov](http://www.kenedytx.gov). There is NO charge to view or download documents.

Upon satisfactory completion of contractual terms (e.g., goods delivered in promised condition, services rendered as agreed, etc.), Respondent is to be paid via City of Kenedy's normal accounts payable process.

City Council reserves the right to waive any informality and to reject any and all bids and to accept the bid or bids which, in its opinion, is most advantageous to the City.

William Linn,  
City Manager  
City of Kenedy

**CITY OF KENEDY**

**Archeological Services to complete an Archeological Survey for the 2020 GLO CDBG  
MIT City of Kenedy Water Improvements Project, Contract #22-085-006-D234**

**OPENING DATE: Friday November 4, 2022 @10:30 AM**

**Sealed Requests for Proposals (RFP), subject to the proposal documents hereto  
attached, for Archeological Services are being accepted.**

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Legal Name of Contracting Company

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Federal I.D.# (Company or Corporation)

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Social Security # (Individual)

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Telephone Number

---

Email Address

---

Contact Person

---

Title

---

Complete Mailing Address

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City, State, Zip



## **CITY OF KENEDY REQUEST FOR PROPOSALS ARCHEOLOGICAL SERVICES**

### **INTRODUCTION**

Kenedy, Texas (City) is soliciting for professional archeological services from Council of Texas Archeologist (CTA) approved companies that appear on the Archeological Contractors list. As this project is federally funded, Cultural resource consultants who are interested in completing this work must fall under federal preservation laws and meet the [Secretary of the Interior's Professional Qualifications Standards](#).

The REQUEST FOR PROPOSALS is for your convenience in offering the referenced products and/or services for the City of Kenedy.

In accordance with 2 CFR Part 200, Section 200.320 (d)(4) contracts must be awarded to the responsible firm whose proposal is most advantageous to the program, with price and other factors considered. Other factors include track record of successes at other counties or cities, identification and understanding of the City's needs and requirements.

Kenedy is appreciative of the time and effort you expended to submit an offer.

### **BACKGROUND**

The city, established in 1887, is located in Karnes county, Texas, southeast of San Antonio, and has an estimated population of 3500. The city is a type-a general law municipality.

### **SCOPE OF SERVICES**

Kenedy is seeking to enter into a professional services contract with a competent consulting firm or individual to complete an archeological survey meeting the Secretary of the Interior's Professional Qualifications Standards inclusive of the Texas Antiquities Permit. As this project is on lands owned or controlled by a political subdivision of the state and partially in state waterways, consultants must obtain a Texas Antiquities Permit **BEFORE** the archeological investigations can commence. Rules regarding Texas Antiquities Permits are outlined in [TAC §26.14](#).

### **SCOPE OF WORK**

The firm hired shall ensure the City's contractual obligations regarding the archeological survey as required by the Texas Historical Commission are met in accordance with Federal and State law.

### **PROJECT DESCRIPTION**

The project includes the installation of a water transmission line, replacement of an elevated water storage tank, installation of generators, and completion of all associated appurtenances. Please refer to the attached Scope of Work for specific project details of archeological services.

Note that the awarded firm is responsible for measures that may be required to gain access to complete the work as described.

**Project Locations:** Kenedy and Karnes City and outlying areas, Karnes County, TX

Water Facilities	Location Approximate Lat/Long	Proposed HUD Performance Measures
<b>Water Transmission Line</b>	From 200-ft southeast of the intersection of CR 212 and Highway 181, traveling southeast along the former railroad tracks that run along Highway 181 to 400-ft north and 100-ft west of the intersection of Park Place and Business Highway 181 29.039475, -98.062475 Reference attached map.	142,560 LF
<b>Elevated Storage Tank</b>	28.829383, -97.849436	One (1) Public Facility

Following is an excerpt from the THC response to initial project review:

**“Archeology Comments**

*An archeological survey is required. If this work will occur on land owned or controlled by a state agency or political subdivision of the state, a Texas Antiquities Permit must be obtained from this office prior to initiation of fieldwork. All fieldwork should meet the [Archeological Survey Standards for Texas](#). A report of investigations is required and should be produced in conformance with the Secretary of the [Interior's Guidelines for Archaeology and Historic Preservation](#) and submitted to this office for review. Reports for a Texas Antiquities Permit should also meet the [Council of Texas Archeologists Guidelines for Cultural Resources Management Reports](#) and the [Texas Administrative Code](#). In addition, any buildings 45 years old or older that are located on or adjacent to the tract should be documented with photographs and included in the report. To facilitate review and make project information available through the Texas Archeological Sites Atlas, we appreciate emailing survey area shapefiles to [archeological\\_projects@thc.texas.gov](mailto:archeological_projects@thc.texas.gov) concurrently with submission of the draft report. Please note that this is required for projects conducted under a Texas Antiquities Permit.*

*We have the following comments: An archeological survey is required for the Water Transmission Line. Any above-ground resources located within the Area of Potential Effect (APE) for the Water Transmission Line should be identified and evaluated for listing in the National Register of Historic Places (NRHP), and any resources identified as eligible should be assessed for effects by the proposed project.”*

## CITY OF KENEDY REQUEST FOR PROPOSALS ARCHEOLOGICAL SERVICES

### STATEMENT OF QUALIFICATIONS

We are seeking to contract with a competent firm with experience in grant administration and project management services. Specifically, we are seeking those persons or firms with the following experience:

- Completion of Archeological Surveys in Texas

### PROPOSED COST OF SERVICES

The cost for completion of the archeological survey.

Please note that cost is not the sole basis for selection of a service provider, see Evaluation Criteria below.

### EVALUATION CRITERIA

The proposals received will be evaluated and ranked according to the following criteria for archeological services:

Criteria	40
Maximum Points	
Experience	
Work	20
Performance	
Performance	20
Capacity	
Proposed Cost	20
Total	100

### PROPOSAL SUBMISSIONS

**DEADLINE:** Proposals must be received at 303 W Main St., Kenedy, TX 78119 prior to 5:00 pm on Thursday, November 3, 2022. Proposals will be received and publicly acknowledged and scored on Friday November 4, 2022 at 10:30am in the Kenedy Council Chambers, 303 W Main St., Kenedy, Texas 77586. ***Late proposals will not be accepted under any circumstances!***

**SUBMITTAL:** Completed proposal, must be in a sealed envelope clearly marked with "RFP ARCHEOLOGICAL SERVICES", " Thursday November 3, 2022 at 5:00 PM. "written in the lower left-hand corner of the envelope containing the proposal.

**PROCUREMENT SCHEDULE:** Requests For Proposals (RFP) will be available on Thursday October 13 at 4:00 pm. Proposal submission deadline is 5:00 p.m. on Thursday November 3, 2022.

RFP Issued	October 13, 2022, 4:00 pm
RFP Submission Deadline	November 3, 2022, 5:00 pm
Evaluation of RFP's	November 4, 2022, 10:30 am
Award of Contract for Archeological Services	November 8, 2022

**ADDRESS:** Sealed proposals may be hand- delivered or mailed to City Manager, City of Kenedy, 303 W Main St., Kenedy, TX 78119.

**METHODS:** All proposals must be returned in a sealed envelope with the proposal name, opening date and time clearly marked on the outside. If a delivery service is used, the proposal name, opening date, and time must be clearly marked on the outside of the delivery service, envelope.

**WITHDRAWAL OR ALTERATIONS OF PROPOSAL:**

Proposals may be withdrawn at any time prior to the official opening. Alterations made before opening time must be initialed by vendor guaranteeing authenticity. After the official opening, proposals may not be amended, altered or withdrawn without the recommendation of the Kenedy Grant Administrator and the approval of the City Council.

**NO OFFER:** Please indicate on your "NO OFFER" response any area/concern that may have influenced our decision to indicate "NO OFFER."

**PROPOSAL OPENING:** Proposals will be received and publicly acknowledged at the location, date and time stated above. Vendors, their representatives, and interested persons may be present. The proposals shall be reviewed and acknowledged only so as to avoid disclosure of the contents to competing vendors and kept confidential during negotiations. However, all proposals shall be open for public inspection after the contract is awarded, except for trade secrets and confidential information contained in the proposal and identified by vendor as such.

**TAX EXEMPT STATUS:** The City is exempt from Federal Excise and State Sales Tax. Therefore, tax must not be included in this proposal.

**AWARD:** It is anticipated the award for archeological services will be made on November 8, 2022 at the regular monthly City Council meeting. Proposals submitted must be binding for not less than ninety (90) days after the date received.

**PROPOSAL REQUIREMENTS**

**COMPLETED PROPOSAL:** A completed proposal means an original containing the following:

- Vendor Identification
- Proposal Submission
- Acknowledgement and Certification Regarding Debarment, Suspension and other Ineligibility
- Contract
- Conflict of Interest Affidavit
- Conflict of Interest Questionnaire

**LEGIBILITY:** Proposals must be legible and of a quality that can be reproduced.

**LATE PROPOSALS:** Proposals received after submission deadline will not be opened and will be considered void and unacceptable. City of Kenedy is not responsible for lateness of mail, courier service, etc.

**DOCUMENTATION:** Vendor shall provide with this proposal response, all documentation required by this proposal. Failure to provide this information may result in rejection of the proposal.

**MINIMUM STANDARDS FOR RESPONSIBLE**

**PROSPECTIVE VENDORS:** A vendor must affirmatively demonstrate their responsibility. A vendor must also meet the following minimum requirements:

1. Have adequate financial resources, or the ability to obtain such resources as required,
2. Be able to comply with the required or proposed delivery schedule,
3. Be able to comply with all Federal, state, and local laws, rules, regulations, ordinances, and orders regarding this request,
4. Have a satisfactory record of performance,
5. Have a satisfactory record of integrity and ethics,
6. Assign only qualified personnel to perform services required under this contract, and
7. Be otherwise qualified and eligible to receive an award.

Kenedy may request representation and other information sufficient to determine vendor's ability to meet these minimum standards listed above.

**RESPONSE PREPARATION COSTS:** The City will not pay any cost incurred by any vendor in the proposal preparation, printing, demonstration, or negotiation process. All costs shall be borne by the

proposing vendors with exception of costs associated with any City personnel visits to vendor offices or other client sites.

#### **SELECTION OF CONSULTANTS**

The City shall review all material submitted, and if required, schedule presentations or interviews with prospective consultants in order to select the most qualified. The City is an Equal Opportunity Employer and reserve the rights to reject any and all proposals, extend the RFQ deadline and to waive formalities in our selection.

**AWARD CONTRACT:** This Proposal, and accompanying documents, and any negotiated terms, when properly accepted by Kenedy, shall constitute a contract equally binding between the successful vendor and City of Kenedy. The successful vendor may be required to sign an additional agreement containing terms necessary to ensure compliance with the proposal. No different or additional terms will become part of this contract with the exception of a Change Order.

**CHANGE ORDERS:** No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders to the contract must be made in writing and signed by both parties.

**EVALUATION CRITERIA:** Criteria utilized by Kenedy for determining the best acceptable vendor includes, but is not limited to:

- Vendor meeting the City's specifications
- Vendor's experience, skill, ability, business judgment, financial capacity, integrity, honesty
- Vendor's previous performance, reputation, promptness,
- Minority businesses and women's business enterprises (and labor surplus area firms if City is designated) consideration,
- Any factor which could reasonably be asserted as being relevant to successful performance.

**EXCEPTIONS / SUBSTITUTIONS:** All proposals meeting the intent of this request for proposal will be considered for award. Vendors taking exception to the specifications, or offering substitutions, shall state these exceptions in the section provided or by attachment as part of the proposal. The absence of such a list shall indicate that the vendor has not taken exceptions and City shall hold the vendor responsible to perform in strict accordance with the specifications of the RFP. Kenedy City Council reserves the right to accept any, all, or none of the exception(s) / substitution(s) deemed to be in the best interest of the City.

**REJECTION / ACCEPTANCE:** It is understood that the City Council of Kenedy, Texas, reserves the right to accept or reject any or all proposals for any or all materials and / or services covered in this proposal request. Additionally, it is understood that the City may waive discrepancies or defects in the proposal or to accept such Proposal, City shall deem to be in the best interest of Kenedy. Receipt of any proposal shall under no circumstances obligate Kenedy to accept the lowest dollar proposal.

**ADDITIONAL INFORMATION:** The City may request additional information to further clarify, explain or validate the contents of any response in this RFP. All information must be submitted to the City in writing within three (3) business days of the City's request.

**CONTRACT ADMINISTRATION:** Under this contract, William Linn, City Manager, shall be the contract administrator with designated responsibility to ensure compliance with contract requirements, such as but not limited to, acceptance, inspection, and delivery. The contract administrator will serve as liaison between the Kenedy City Council and the successful vendor. In order to ensure fair and objective evaluation, all questions related to this RFP should be addressed to the person named above.

**NEGOTIATIONS:** City of Kenedy reserves the right to negotiate the contract in accordance with Local Government Code §262 for requests for proposals.

**CONTRACT AWARD:** The award of this contract shall be made to the responsible vendor whose proposal is determined to be the best evaluated vendor resulting from negotiation, taking into

consideration the relative importance of price and the other evaluation factors set forth in the request for proposals

**FUNDING:** Funding for this contract is provided by the City of Kenedy and the General Land Office through the GLO CDBGMIT grant.

### **TERMS AND CONDITIONS**

**CONFLICT OF INTEREST:** No public official shall have interest in this contract in accordance with Vernon's Texas Codes Annotated, Local Government Code Title 5, Subtitled C, Chapter 171, including, but not limited to, Local Government Code §171.002 and §171.003.

Further, the Vendor represents and warrants that the Vendor has no actual or potential conflicts of interest in providing the deliverables required by this contract to the City. Vendor represents that the provision of services under this contract will not create an appearance of impropriety. The Vendor also represents and warrants that, during the term of this contract, the Vendor will immediately notify the City, in writing, of any potential conflict of interest that could adversely affect the City creating the appearance of a conflict of interest.

The Vendor represents and warrants that neither the Vendor nor any person or entity that will participate financially in this contract has received compensation from the City, or any agency of the State of Texas for participation in the preparation of specifications for this contract. The Vendor represents and warrants that he has not given, offered to give, and does not intend to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor or service to any public servant in connection with this contract.

**DISCLOSURE REQUIREMENTS:** All prospective vendors shall complete the conflict of interest questionnaire and submit it with their proposal in accordance with Local Government Code §176.004. (The Texas Legislature passed House Bill 914 during the 2005 Legislative Session which requires the conflict of interest questionnaire to be completed. This can be referenced under Local Government Code, Chapter 176. Disclosure of Certain Relationships with Local Government Officers; Providing Public Access to Certain Information.)

**ETHICS:** The vendor shall not accept or offer gifts or anything of value nor enter into any business arrangement with any employee, official or agent of the City of Kenedy.

**INSURANCE/BOND:** If selected, Vendor is required to submit proof of insurance. Professional insurance (liability or other appropriate product) is required from an insurer qualified to do business in Texas. Respondents shall submit a certificate of insurance evidencing such coverage.

**TERMINATION OF CONTRACT:** This contract shall remain in effect until: 1) contract expires, 2) delivery/completion and acceptance of products and / or services ordered or 3) terminated by either party with thirty (30) days written notice prior to any cancellation. The successful vendor must state therein the reasons for such cancellation. In the event the contract is cancelled, the City reserves the right to award to the next best proposal, as it deems to be in the best interest of the City.

**TERMINATION FOR DEFAULT:** City of Kenedy reserves the right to enforce the performance of this contract in any manner prescribed by law or deemed to be in the best interest of the City in the event of breach or default of this contract. Non-Performance of the vendor shall be a basis for termination of the contract by the City. Kenedy reserves the right to terminate the contract immediately in the event the successful vendor fails to: 1) meet delivery or completion schedules, or 2) otherwise perform in accordance with these specifications. Breach of contract or default authorizes the City to award the proposal to another vendor, purchase elsewhere and charge the full increase in cost and handling to the defaulting successful vendor. The City shall not pay for any commodities / services that are unsatisfactory. Vendors will be given a reasonable opportunity

before termination to correct the deficiencies. This, however, shall in no way be construed as negating the basis for termination for non- performance.

**FORCE MAJURE:** Neither party shall be responsible for delays caused by "Acts of God", non-city governmental processes, national emergency or any other causes beyond their reasonable control. Upon the discovery of such an event, the affected party shall notify the other and arrange a meeting to propose a program for a solution to the problem, and if necessary, to establish an estimated period of time of suspension or extension of the work.

**COMPLIANCE WITH LAWS:** The successful vendor shall comply with all applicable Federal, state and local laws and regulations.

**EQUAL EMPLOYMENT OPPORTUNITY:** The successful vendor will not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The Vendor will take affirmative action to ensure that applicants are employed, and the employees are treated during employment without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Vendor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

The Vendor will, in all solicitations or advertisements for employees placed by or on behalf of the Vendor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.

The Vendor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations and relevant orders of the Manager of Labor.

In the event of the Vendor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or Federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by the rule, regulation, or order of the Manager of Labor, or as otherwise provided by law.

**CONTRACTING WITH SMALL AND MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES. AND LABOR SURPLUS AREA FIRMS:** The Vendor must take all necessary affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used when possible.

Affirmative steps must include:

- Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
- Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
- Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;

Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce; and

- If subcontracts are to be let, to take the affirmative steps listed in above paragraphs.

**DAVIS-BACON ACT:** Davis-Bacon Act, as amended (40 U.S.C. 3141-3148). When required by Federal program legislation, all prime construction contracts in excess of \$2,000 awarded by non-Federal

entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 3141-3144, and 3146- 3148) as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Manager of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.

**COPELAND "ANTI-KICKBACK" ACT:** The Vendor must comply with the Copeland "Anti-Kickback" Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or sub recipient is prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The Vendor must report all suspected or reported violations.

**CONTRACT WORK HOURS AND SAFETY STANDARDS ACT:** The Vendor must comply with the Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708). All contracts awarded in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

**DRUG FREE WORKPLACE:** During the performance of this contract, the Vendor agrees to (i) provide a drug- free workplace for the Vendor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the Vendor's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the Vendor that the Vendor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor. For the purposes of this section, "drug-free workplace" means a site for the performance of work done in connection with a specific contract awarded to a Vendor, the employees of whom are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of the contract.

**CLEAN AIR ACT:** The Vendor agrees to comply with the Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251- 1387), as amended—Contracts and Subgrants of amounts in excess of \$150,000 must contain a provision that requires the non-Federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251- 1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

**DEBARMENT AND SUSPENSION:** Debarment and Suspension (Executive Orders 12549 and 12689)—A contract award (see 2 CFR 180.220) must not be made to parties listed on the government wide exclusions in the System for Award Management (SAM), in accordance with the OMB



guidelines 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235),"Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

**BYRD ANTI-LOBBYING AMENDMENT:** Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)—Contractors that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.

**PUBLIC INFORMATION ACT:** The Vendor acknowledges and agrees that all documents, in any media, generated in the performance of work conducted under this contract are subject to public disclosure under the Public Information Act, Government Code, Chapter 552. The Vendor shall produce all documents upon request of the City within two (2) business days when the documents are required to comply with a request for information under the Public Information Act.

**ACCURATE AND TIMELY RECORD KEEPING:**

The Vendor warrants and represents that he will keep timely, accurate and honest books and records relating to the work performed and the payments received under this contract according to generally accepted accounting standards. Further, the Vendor agrees that he will create such books and records at or about the time the transaction reflected in the books and records occurs.

**RIGHT TO AUDIT:** The Vendor and its subcontractors shall maintain all financial accounting documents and records, including copies of all invoices and receipts for expenditures, relating to the work under this contract. The Vendor shall make such documents and records available for examination and audit by the City or any other authorized entity of the State of Texas. The Vendor's financial accounting documents and records shall be kept and maintained in accordance with generally accepted accounting principles and for a minimum of seven years following the completion of the Vendor. By executing this contract, the Vendor accepts the authority of the Texas State Auditor's Office to conduct audits and investigations in connection with all state funds received pursuant to this contract. The Vendor shall comply with directives from the Texas State Auditor and shall cooperate in any such investigation or audit. The Vendor agrees to provide the Texas State Auditor with access to any information the Texas State Auditor considers relevant to the investigation or audit. The contractor also agrees to include a provision in any subcontract related to this contract that requires the subcontractor to submit to audits and investigation by the State Auditor's Office in connection with all state funds received pursuant to the subcontract.

The Vendor shall make such documents and records available for examination and audit by the Federal government and records shall be kept and maintained in accordance with generally accepted accounting principles and for a minimum of seven years following the submission of the final Federal Financial Report.

**INVOICING:** Invoices shall be sent directly to the City of Kenedy, City Manager, 303 W Main St., Kenedy, Texas 78119. Payments will be processed within thirty days after receipt of invoice or items, whichever is later. Invoices must show tasks that were performed, time period the work was performed, the percent and cost of each task completed.

**PAYMENT:** Payment shall be made by check from the City upon satisfactory completion and acceptance of items and submission of a valid invoice. Payments shall be made in accordance with the State of Texas Prompt Payment Act, Vernon's Texas Codes Annotated, Government Code Title 10, Subtitled F, Chapter 2251. Successful vendor is required to pay subcontractors within ten (10) days after the successful vendor receives payment from the City.

Payment inquiries should be directed to the City Manager, 830-583-2230.

**VENUE:** This agreement will be governed and construed according to the laws of the State of Texas. This agreement is performable in Kenedy, Texas.

**ASSIGNMENT OF CONTRACT:** The successful vendor shall not assign, sell, transfer, subcontract, or convey this contract, in whole or in part, without the prior written consent of the City of Kenedy City Council.

**SILENCE OF SPECIFICATIONS:** The apparent silence of these specifications as to any detail, or the apparent omission from it of a detailed description concerning any point, shall be regarded as meaning that only the best commercial practices are to prevail and that only material and workmanship of the finest quality are to be used. All interpretations of these specifications shall be made on the basis of this statement

**HOLD HARMLESS AGREEMENT:** Vendor shall indemnify and hold City of Kenedy harmless from all claims for personal injury, death and / or property damage arising from any cause whatsoever, resulting directly or indirectly from contractor's performance. Contractor shall procure and maintain, with respect to the subject matter of this proposal, appropriate insurance coverage including, as a minimum, public liability and property damage with adequate limits to cover contractor's liability as may arise directly or indirectly from work performed under terms of this proposal. Certification of such coverage must be provided to the City upon request.

**WAIVER OF SUBROGATION:** By virtue of acceptance of this contract, both contractor and insurance carrier waive any and all rights whatsoever with regard to subrogation against Kenedy as an indirect party to any suit arising out of personal or property damages, resulting from contractor's performance under this agreement.

#### **QUESTIONS REGARDING PROPOSAL DOCUMENTS:**

Questions concerning this proposal should be directed to William Linn, City Manager at 281-326-2843.

**ADDENDA:** Acknowledgement of the addenda, if any were issued to change the original RFP as a result of questions or other reason, must be included.

#### **PROPOSAL SUBMISSION / INFORMATION FROM VENDOR**

The RFP received from the vendor should include each of the following sections in the numbered order as noted below. If additional sections are needed by the vendor to highlight their services or provide additional information, such sections are to be added after the required sections.

**Instructions:** Please answer the questions listed below. Pre-printed product literature regarding your services is acceptable but not required.

##### **Section 1 - Vendor Information**

Please include the following information on the primary contact representative:

- Name
- Address
- Title
- Telephone Number
- FAX Number
- E-mail address

Please indicate if this person has the binding authority to enter into contracts.

**Section 2 — Solution Framework Summary** Please provide a summary of your solution for the grant administration and project management services.

**Section 3 — Proposal Narrative with Task and Timeline**

The City places a premium on the respondent's approach to the project and the ability to present a scope of services that will ensure successful and timely completion of the project.

The narrative should be clear, concise and complete.

Include a detailed timeline in the proposal; including start date and task outline.

Be clear in the proposal, what responsibilities will be assumed by the vendor and what responsibilities will be required of the City.

If any section leaves out what you consider crucial or valuable information, please include it in your proposal. **Section 4 — Profile / History** Provide a brief history and profile of your company. How many years has the company actively provided archeological services to local governments?

Include additional information such as:

1. When it was founded.
2. Type of legal entity (i.e. corporation, partnership, etc.).
3. Names of owners, if privately owned.
4. A Statement substantiating the resources of the proposing entity and the ability to carry out the scope of work requested within the timeline.

**Section 5 - Client Base**

Proposals should list client base for similar projects. Contact information should be supplied. Provide the dates for each project and whether an extension of time was requested and/or approved.

The City places a premium on the number of successful projects that the respondent has undertaken that are similar to the City's current project.

Please list any and all audit findings that resulted from the administration of these programs.

**Section 6 - Resumes of Personnel Assigned to Project**

Respondents must provide a listing of the personnel to be assigned to the project including organizational structure and each person's area of responsibility.

Resumes for each professional assigned to this project are also required. Vendors must have sufficient and qualified staff immediately available to contract solicitations and to enter into and manage any components targeted by the RFP.

**Section 7 — Proposed Cost of Services**

Include proposed fee structure including billing rates, hourly rates, reimbursable expenses, etc. Include proposed cost by Scope of Work category for archeological services. Preferences will be given to firm fixed pricing.

**THE CITY OF KENEDY RESERVES THE RIGHT TO ACCEPT OR REJECT IN PART OR IN WHOLE ANY PROPOSALS SUBMITTED, AND TO WAIVE ANY TECHNICALITIES FOR THE BEST INTEREST OF THE CITY.**

**DO NOT SIGN OR SUBMIT WITHOUT READING THE ENTIRE DOCUMENT.**

**CITY OF KENEDY**

**REQUEST FOR PROPOSALS ARCHEOLOGICAL SERVICES**

Federal Executive Orders 12549 and 12689 require the City to screen each covered potential vendor to determine whether each has a right to obtain a contract in accordance with Federal regulations on debarment, suspension, ineligibility, and voluntary exclusion. Each covered vendor must also screen each of its covered subcontractors. In this certification "Vendor" refers to both Vendor and any subcontractor; "contract" refers to both contract and subcontract.

**Vendor hereby CERTIFIES that:**

**Vendor, and all of its principals, is not presently debarred, suspended, proposed for debarment, proposed for suspension, or declared ineligible under Executive Order 12549 or Executive Order 12689, Debarment and Suspension, and is not in any other way ineligible for participation in Federal or State assistance programs;**

**Vendor, and all of its principals, were not and have not been debarred, suspended, proposed for debarment, proposed for suspension, or declared ineligible under Executive Order 12549 or Executive Order 12689, Debarment and Suspension, and were not and have not been in any other way ineligible for participation in Federal or State assistance programs at the time its' proposal was submitted in the procurement identified herein and at any time since submission of its' proposal;**

**Vendor has included, and shall continue to include, this certification in all contracts between itself and any sub-contractors in connection with services performed under this contract; and Vendor shall notify the City of Kenedy in writing immediately, through written notification to the City Manager, if Vendor is not in compliance with Executive Order 12549 or 12689 during the term of its contract with Kenedy.**

**Vendor Represents and Warrants that the individual executing this Acknowledgment and Certification on its behalf has the full power and authority to do so and can legally bind the Vendor hereto.**

\_\_\_\_\_  
**Name of Business**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Printed Name & Title**

**CITY OF KENEDY REQUEST FOR PROPOSALS  
ARCHEOLOGICAL SERVICES**

**ACKNOWLEDGMENT AND CERTIFICATION REGARDING DEBARMENT,  
SUSPENSION AND OTHER INELIGIBILITY**

**CITY OF KENEDY  
REQUEST FOR PROPOSALS FOR ACHEOLOGICAL SERVICES**

**CONTRACT**

The undersigned agrees if this proposal is accepted, to furnish any and all items upon which prices are offered, at the price(s) and upon the terms and conditions contained in the specifications.

The undersigned, by his/her signature, affirms and represents that he/she is duly authorized to execute this contract and bind the vendor to fully comply with terms and conditions of the attached documents for the amount(s) shown on the accompanying proposal. Further, the undersigned affirms and represents that this proposal has not been prepared in collusion with any other vendor, and that the contents of this proposal have not been communicated to any other vendor prior to the official opening of this proposal.

By signing below, you affirm that you have read the entire document and agree to the terms therein.

\_\_\_\_\_  
Signature of Person Authorized to Sign Proposal

\_\_\_\_\_  
Date

Printed Name and Title of Signer: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

E-mail: \_\_\_\_\_ Phone No.: \_\_\_\_\_ Fax No.: \_\_\_\_\_

The City Council of Kenedy, Texas does hereby agree to contract with to provide Archeological Services for the City, inclusive, in accordance with the request for proposal submissions set forth hereto.

PASSED THIS DAY OF \_\_\_\_\_, 2022

APPROVED:

ATTEST:

\_\_\_\_\_  
Mayor

\_\_\_\_\_  
City Manager

**CITY OF KENEDY REQUEST FOR PROPOSALS  
ARCHEOLOGICAL SERVICES**

**AFFIDAVIT**

STATE OF TEXAS  
COUNTY OF  
KARNES

BEFORE ME, the undersigned authority, on this day personally appeared \_\_\_\_\_ known to me to be the person whose name is subscribed to the following, who upon oath, says:

I am the Manager, Manager or other agent, officer or principal of the vendor in the matter of the proposals to which this affidavit is attached, and I have full knowledge of the relations of the vendor with the other firms in this same line of business, and the vendor is not a member of any trust, pool or combination to control the price of supplies proposed on, or to influence any person to propose or not to propose thereon.

I further affirm that the vendor has not given, offered to give, nor intends to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a public servant in connection with the submitted proposal.

Affiant

SWORN TO AND SUBSCRIBED BEFORE ME by the above Affiant, who, on oath states that the facts contained in the above statement are true and correct, this \_\_\_\_\_ day of \_\_\_\_\_, 2022

\_\_\_\_\_  
Notary Public

Name of Vendor: \_\_\_\_\_

Signed by: \_\_\_\_\_

Name / Title: \_\_\_\_\_

Date: \_\_\_\_\_

**NOTE: PROPOSALS NOT ACCOMPANIED BY THIS AFFIDAVIT WILL NOT BE CONSIDERED**

**CITY OF KENEDY REQUEST FOR PROPOSALS  
ARCHEOLOGICAL SERVICES**

**IMPORTANT**

**BIDDER'S / PROPOSER'S CHECKLIST**

Check off each of the following as the necessary action is completed.

- The prices have been checked.
  - The PROPOSAL SUBMISSION has been completed, including all requested information, and is included in your proposal package.
  - The ACKNOWLEDGEMENT AND CERTIFICATION REGARDING DEBARMENT, SUSPENSION AND OTHER INELIGIBILITY has been completed, signed, dated and included in your proposal package.
  - The CONTRACT with the City has been completed, signed, dated and included in your proposal package.
  - The AFFIDAVIT signed and notarized and included in your proposal package.
  - The CONFLICT OF INTEREST QUESTIONNAIRE has been completed, signed, dated and included in your proposal package.
  - The mailing envelope has been addressed to:
  - City Manager  
City of Kenedy  
303 W Main St.  
Kenedy, TX 79119
  - The mailing envelope contains the original hard copy and one (1) digital copy.
  - The mailing envelope has been sealed and marked:
    - A. Proposing Company's Name
    - B. Name of proposal
    - C. Opening date and time
- 

**THE CITY OF KENEDY WISHES TO THANK ALL  
VENDORS FOR THEIR INTEREST AND  
PARTICIPATION.**



## **Kenedy Water Line Project- Archaeological Survey Work Plan**

### Introduction

\_\_\_\_\_ submits the research design and work plan for the Kenedy Water Line Project. This plan outlines procedures for consistent data collection during survey and reporting tasks in accordance with federal and state laws. Adherence to the proposed research design and work plan serves to safeguard and record unanticipated cultural resources. It also provides guidance to the construction personnel in complying with applicable laws.

The proposed archaeological survey for the Kenedy Water Line Project of approximately 24.2 linear miles of proposed waterlines A, B, and C will be part of the overall project's environmental compliance. In order to satisfy the requirements of the Texas Historical Commission (THC) in regard to the Texas Antiquities Code, as public lands are involved, the proposed archaeological survey will be conducted. All work will be conducted in accordance with the guidelines and professional standards set forth by the Council of Texas Archeologists (CTA) and adopted by the Texas Historical Commission (THC).

### Project Description

This work plan includes preparation and submission of a Texas Antiquities Archeological Survey Permit, providing archeological survey services, and preparing a required archeological survey report to close out the required Texas Antiquities permit in accordance with the Antiquities Code of Texas.

The proposed archaeological survey is planned to cover a linear transect of 24.2 miles along a pre-existing railroad. The water lines are located along the following USGS Quad ID: 28097-G7, 28097-G8, 28097-H8, 28098-H1, 28098-A1, and 28097-G7. Waterways crossing the proposed waterlines include Nichols Creek, Dry Escondido Creek, Escondido Creek, Turkey Creek, Cow Creek, San Antonio River, and Mercelinas Creek (running parallel to proposed waterline B). The proposed project alignment is surrounded by agricultural fields and urban areas. The Kenedy Water Line Project (Figure 1) is proposed to impact at a maximum depth of 8 feet which includes a required 1-foot base with a water line diameter of 24 to 30 inches in addition to the 4 feet coverage along a 30-meter-wide corridor. Based on the maximum depth of impact, 8 feet below existing grade that is proposed, shovel testing will be conducted on shallow soils and trenching will be conducted within deep alluvium soils to identify potentially buried archaeological deposits.

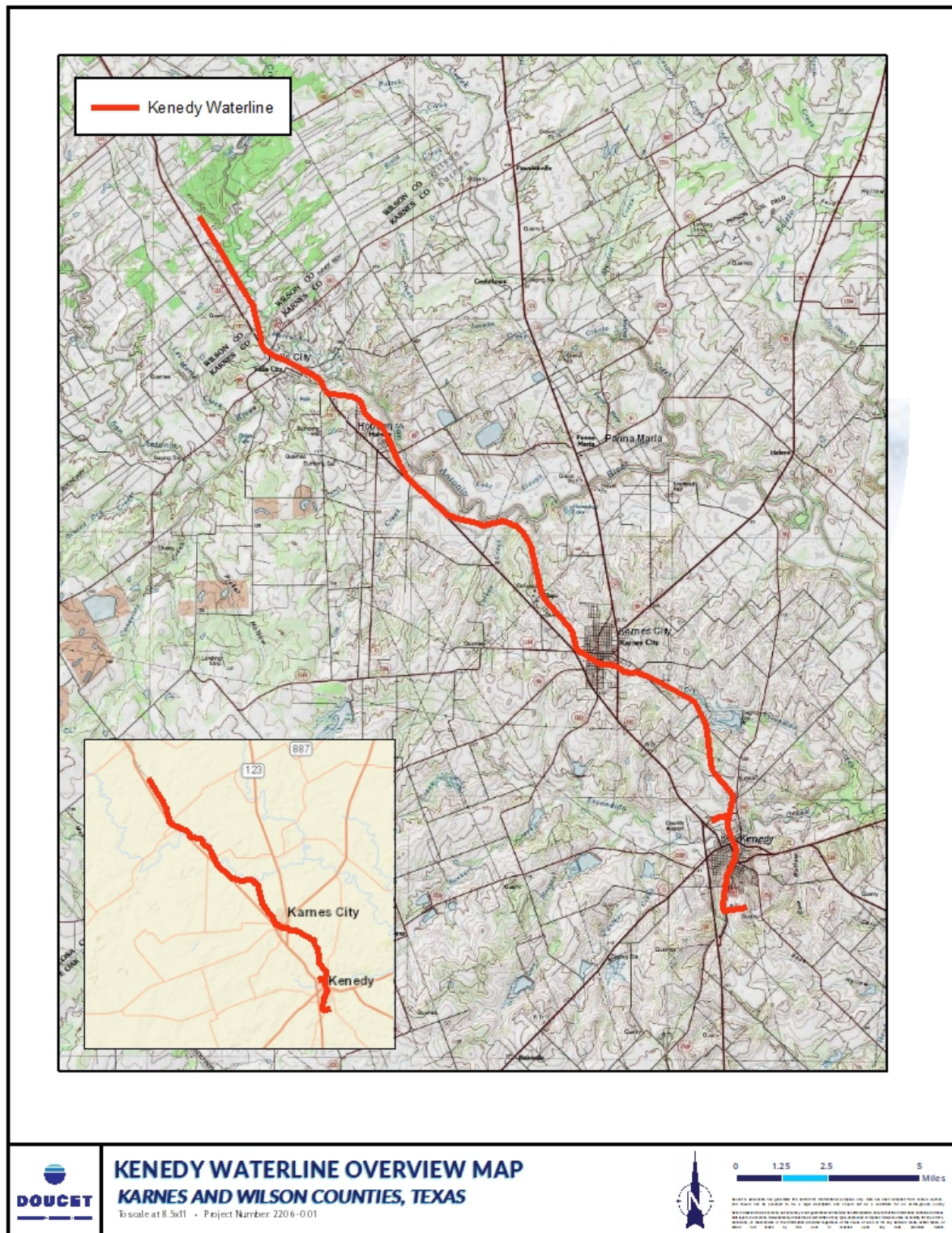


Figure 1. Kenedy Waterline General Location

## THC Archaeological Sites Atlas and Archival Search

Background archaeological research was conducted for the area of the proposed waterlines through the THC Archaeological Sites Atlas and Archival Search. The archaeological site research resulted in 21 previously recorded archaeological sites, two National Register properties, five cemeteries, and 4 previously recorded surveys within a 1-kilometer radius of the APE (Figures 2-5).

**Redacted Information.**

**Figure 2.** APE overlaid on THC Atlas map with Archaeological Sites, National Register Properties, Cemeteries, and Previously Recorded Surveys.

**Redacted Information.**

**Figure 3.** APE with Research Results in Kenedy, Texas.

**Redacted Information.**

**Figure 4.** APE with Research Results in Karnes, Texas.

**Redacted Information.**

**Figure 5.** APE with Research Results in Hobson and Falls City, Texas.

### Sites

There are a total of 21 sites located within a 1-kilometer radius of the project area (Table 1). Previously identified archaeological sites are not found in direct association with the ROW of the proposed project. Five sites are located within 0.3 kilometers from the ROW. There are two sites (41KA162 and 41KA163) located **Redacted Information.** These sites have extensive prehistoric lithic scatters which end just along the APE of the proposed waterline project. Site 41KA147 is also a prehistoric lithic scatter located **Redacted Information.** 41KA63 is found along **Redacted Information** and is a prehistoric lithic scatter. 41KA49 is a historic pottery and glass site situated **Redacted Information**, which is within 0.27 kilometers of the APE.

**Table 1.** Archaeological Sites within 1 Kilometer of Proposed Project Area.

Site Name	Distance from Project Area	Resource Description
41KA24	0.52 km	Archaic points
41KA3	0.71 km	Projectile points, scrapers
41KA33	0.80 km	Tools and worked flakes, with possible hearths (FCR)
41KA34	1.0 km	Early Archaic lithic materials
41KA32	0.73 km	Archaic lithic debitage and scrapers
41KA31	0.96 km	Late Archaic lithic flakes
41KA23	0.66 km	Archaic lithic points (1971); site revisited in 1984 had a single burial and lithics
41KA2	0.82 km	Archaic points, debitage, and pendant
41KA103	0.71 km	Unknown prehistoric lithic scatter and burned rock
41KA62	0.78 km	Lithic surface concentration
41KA63	0.27 km	Lithic surface scatter



41KA29	0.59 km	Archaic lithic scatter
41KA28	0.51 km	Archaic lithic scatter and burned sandstone
41KA49	0.26 km	Historic pottery and glass
41KA47	0.66 km	Archaic lithic scatter
41KA144	0.99 km	Unknown prehistoric lithic scatter
41KA147	0.15 km	Unknown prehistoric lithic scatter
41KA146	0.66 km	Unknown prehistoric lithic scatter
41KA162	0.36 km	Unknown prehistoric lithic scatter
41KA163	0.64 km	Unknown prehistoric lithic scatter
41KA216	0.99 km	Historic and Modern occupation with metal, whiteware, glass, and faunal tooth

## Archaeological Surveys

Five archaeological surveys were previously conducted within a 1-kilometer radius of the ROW of the proposed project (Table 2). **Redacted Information**. The survey led by David Nickels with Tierras Antiguas on behalf of the City of Poth for the Karnes North Pipeline crosses perpendicular to the APE along **Redacted Information**.

**Table 2.** Previously Recorded Surveys within 1 Kilometer of Proposed Project Area.

Project Type	Investigating Firm/Agency	Field Work Date	TAC Permit Number	Report Author	Sponsoring Agency	THC Review Date
Survey	Raba Kistner Environmental, Inc.	5/2018	8435	Padilla, Antonio E. et al	DUNWAY Associates, L.P.	9/2018
Survey	Tierras Antiguas	5/2014	6849	Nickels, David	City of Poth	6/2014
Survey	Archaeology Consultants, Inc.	10/2008	4968	Uecker, Herbert and Warren, J.	City of Karnes City	10/2008
Survey	Tierras Antiguas Archaeological	5/2014	6870	Nickels, David L.	Falls City	7/2014

## National Register District

Within a 1-kilometer radius, there are two National Register Districts named Panna Maria Historic District and Karnes County Courthouse (Figure 2). Panna Maria Historic District is approximately half a kilometer from the proposed project area in **Redacted Information**. Karnes County Courthouse is located **Redacted Information** approximately 0.24 kilometers away from the ROW.

## Railroad

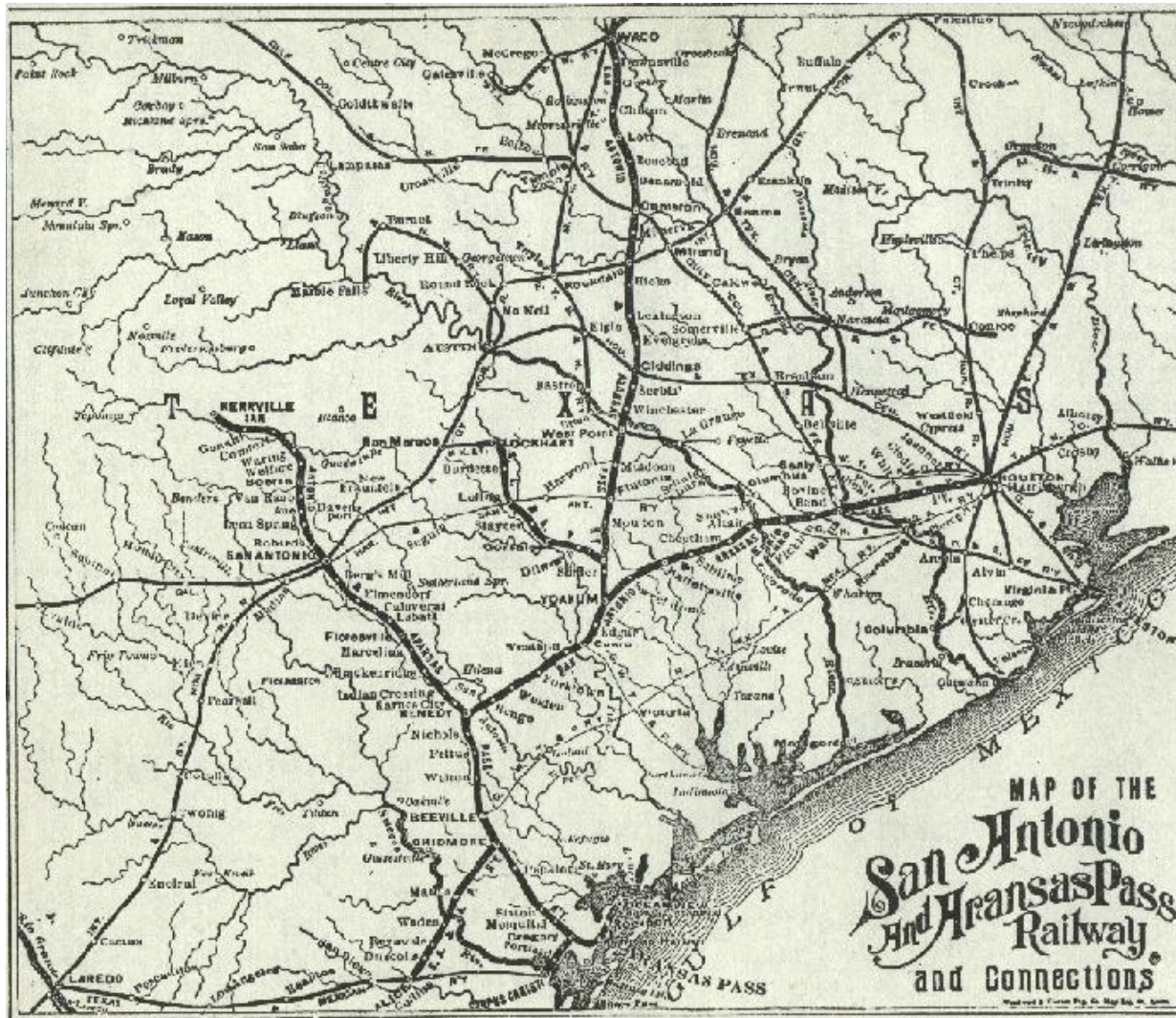
The proposed project area will run along the pre-existing Southern Pacific Railroad. The Texas Transportation Museum website has access to railroad maps and photographs of railroad depots and timetables for the Southern Pacific. Railroad depots were located at Kenedy, Karnes City, Ruby, Hobson, Falls City, and Poth, Texas (Figures 6 and 7). The Southern Pacific Railroad used to be named the San Antonio and Aransas Pass Railway and was established in 1884. Southern Pacific took over the railroad in 1925 and in 1998 the railroad tracks running from Floresville to Kenedy, Texas were pulled.





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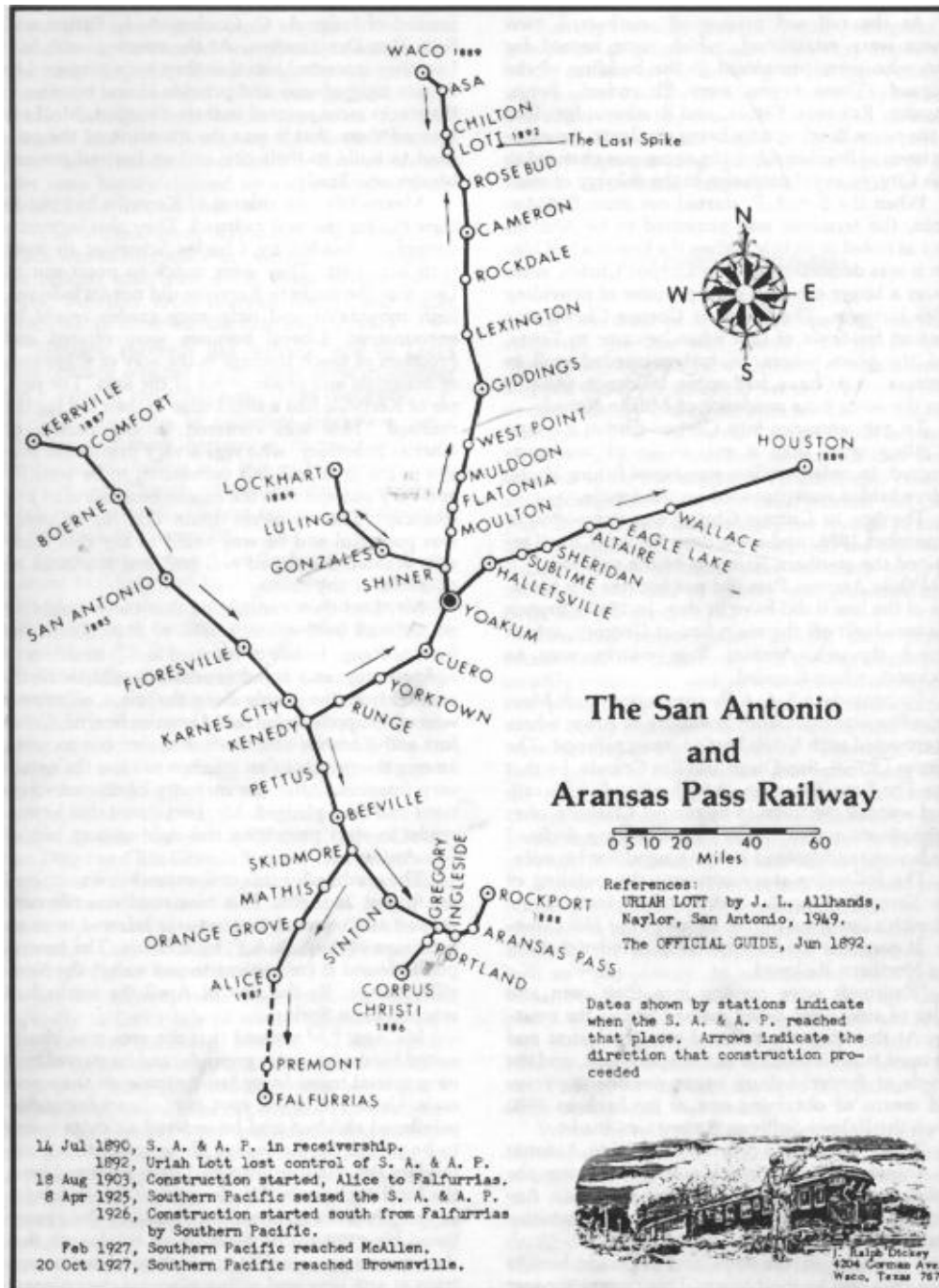


**Figure 6.** 1893 San Antonio and Aransas Pass Map. From Texas Transportation Museum, by Hugh Hemphill. (<https://classic.txtransportationmuseum.org/history-rr-sa-aransas-pass.php>)



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**Figure 7.** Development of Stations along the San Antonio and Aransas Pass Railway. From Texas Transportation Museum, by Hugh Hemphill.  
(<https://classic.txtransportationmuseum.org/history-rr-sa-aransas-pass.php>)



## Prison Camp

A prison war camp used to exist East of Escondido Street along Graham Road. A historical marker was set to be placed in 2013 for the Kenedy Alien Detention Camp. The boundaries for this site were identified and delineated through old aerial photographs and a map of the prison war camp. The area has been highly disturbed with new building and homes.

## Cemeteries

A total of five cemeteries are located within a 1-kilometer radius of the project area (Table 3). Out of the five cemeteries, two are located within the proposed project area.

Two known cemeteries are in direct association with the proposed waterline C on FM 179 in Kenedy, Texas. The cemeteries are Karnes County Memorial Park and Butler Cemetery. The cemeteries will not impact the ROW for the proposed project. The current property manager, as well as the local funeral home were contacted to verify the boundaries of Karnes County Memorial Park. The cemetery was established in the 1950s by Mr. Paul Webb's aunt and uncle, to which he provided access to the survey map of the cemetery. The boundaries are the same as those exhibited in the Texas Historic Commission's Archeological Sites Atlas. Mr. Webb mentioned previous utility projects did not run into any unmarked graves along FM 179.

**Table 3.** Cemeteries within 1 Kilometer of Proposed Project Area.

Cemetery Name	Distance from Project Area
Falls City Cemetery	1.0 km
Unknown (S of Hobson) Cemetery	0.78 km
Unknown (N of Karnes City) Cemetery	0.97 km
Butler Cemetery	0.13 km
Karnes County Memorial Park Cemetery	0.02km

## Soils and Geology

Soils and geology of the proposed project area were identified through the Geologic Atlas of Texas maps and the Natural Resources Conservation Service (NRCS) Web Soil Survey maps. Waterways in association with the proposed project area were identified with topographic maps, Google Earth, and GLO. Thirty-seven soils are found within the proposed project area (Table 4). Most soils are composed of loamy residuum weathered from sandstone and loamy and clayey alluvium of Holocene and Pleistocene aged alluvium (Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture). The soils' drainage ranges from moderately well drained to well drained. One soil, Orelia fine sandy loam (WmA), has drainage that is somewhat poorly drained.

The disturbed areas that have been identified include soils Clareville clay loam with 0 to 1 percent slopes (CaA), Clareville clay loam with 1 to 3 percent slopes (CaB), Coy clay loam with 1 to 3 percent slopes (CoB), and Coy clay loam with 3 to 5 percent slopes (CoC) with Ap horizons ranging from 0 to 10 inches in depth and are located along modern paved and gravel roads.





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The soils of the APE fall under Yegua Formation (Ey), Alluvium (Qal), Caddell Formation (Eca), Wilcox Group (Ewi), Leona formation (Qle), Manning Formation (Em), Fluvatile Terrace Deposits (Qt), Conquista Clay Member and Dilworth Sandstone Member (Ecd), Deweesville Sandstone Member (Edd), Dubose Member and Deweesville Sandstone Member (Oedd), Catahoula Formation (Oc), and Oakville Sandstone (Mo) (Table 5). Approximately 10 to 11 miles of the proposed waterlines A and B are mapped in Quaternary Alluvium with Holocene geology, Fluvatile Terrace Deposits with Pleistocene geology, and Leona Formation with Pleistocene geology (Figure 8). Alluvial soils in Late Pleistocene and Holocene are considered as high probability areas for deeply buried intact cultural deposits. The other soils found within Eocene and Oligocene geology are considered moderate to high probability areas for shallow intact cultural deposits.

## Proposed Waterline A

Proposed waterline A would fall in the following soils: Zu, Bu, Pnc, Us, SeC, CbC, St, PkC, CoB, WaC, PaB, BrB, CbE, Bw, RoB, PkB, CdA, EsB, MoC, CoC, ShC, MoB, CaA, WeB, PbB, and SrD. CoB, CaA, and CoC have Ap horizons.

The rock units in the proposed area for waterline A are Qal, Ecd, Edd, Qt, Oedd, Oc, and Mo. Rock units Qal and Qt are deep Holocene alluvial deposits.

Waterways in association with proposed waterline A include Nichols Creek, Dry Escondido Creek, Escodido Creek, Turkey Creek, and Cow Creek.

## Proposed Waterline B

Soils found along proposed waterline B are FoB, Mga, WmA, FoC, MgB, Gz, EdB, CaB, CaA, CbC, Ar, TrB, Zf, Bu, RuC, WaC, BrB, GtB, CoB, PnC, St, W, and Zu. Soils CaB, CoB, and CaA contain Ap horizons.

The rock units within the proposed project area for waterline B include Ey, Qal, Eca, Ewi, Qle, Em, and Qt.

Waterways found along the proposed waterline B are San Antonio River, and Mercelinas Creek

## Proposed Waterline C

Three different soils are found along the proposed waterline C. These soils include WeB, CoB, and Pnc. CoB is a soil with Ap horizon.

A total of two rock units, Mo and Qal, are located in the proposed area for this waterline.

**Table 4.** Soils within Proposed Project Area.

SYM	Name/Complex	Parent Material	Location	Land Use	Drainage
FoB	Floresville fine sandy loam, 1 to 3% slopes	Loamy residuum weathered from sandstone	Ridges	Prime farmland if irrigated	Well drained
MgA	Miguel fine sandy loam, 0 to 1% slopes	Loamy and/or clayey residuum weathered from sandstone and/or mudstone	Low hills	Prime farmland if irrigated	Well drained





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WmA	Orelia fine sandy loam, 0 to 2 % slopes	Loamy fluviomarine deposits	Flats	Not prime farmland	Somewhat poorly drained
FoC	Floresville fine sandy loam, 3 to 5% slopes	Loamy residuum weathered from sandstone	Ridges	Prime farmland if irrigated	Well drained
MgB	Miguel fine sandy loam, 1 to 3% slopes	Loamy and/or clayey residuum weathered from sandstone and/or mudstone	Low hills	Prime farmland if irrigated	Well drained
Gz	Degola and Zavala soils, frequently flooded	Loamy alluvium of Holocene age derived from mixed sources	Flood Plains	Not prime farmland	Well drained
EdB	Elmendorf-Denhawken complex, 1 to 3% slopes	Calcareous clayey residuum	Interfluves	All areas are prime farmland	Well drained
CaB	Clareville clay loam, 1 to 3% slopes	Loamy alluvium	Drainageways	All areas are prime farmland	Well drained
CaA	Clareville clay loam, 0 to 1% slopes	Loamy alluvium	Flats, drainageways	All areas are prime farmland	Well drained
CbC	Colibro sandy clay loam, 3 to 5% slope	Calcareous loamy alluvium	Ridges on stream terraces	Farmland of statewide importance, if irrigated	Well drained
Ar	Buchel clay, 0 to 1% slopes, occasionally flooded	Calcareous clayey alluvium	Flood plains	All areas are prime farmland	Moderately well drained
TrB	Tordia clay, 1 to 3% slopes	Clayey alluvium	Interfluves	All areas are prime farmland	Well drained
Zf	Zavala fine sandy loam, frequently flooded	Loamy alluvium	Flood plains	Not prime farmland	Well drained
Bu	Buchel clay, 0 to 1% slopes, occasionally flooded	Calcareous clayey alluvium	Flood plains	All areas are prime farmland	Moderately well drained
RuC	Runge fine sandy loam, 2 to 5% slopes	Loamy residuum weathered from sandstone	Hillslopes	All areas are prime farmland	Well drained
WaC	Weesatche fine sandy loam, 2 to 5% slopes	Calcareous loamy residuum weathered from sandstone	Ridges	All areas are prime farmland	Well drained
BrB	Bryde fine sandy loam, 1 to 4% slopes	Clayey residuum weathered from shale	Interfluves	Prime farmland if irrigated	Well drained
<b>SYM</b>	<b>Name/Complex</b>	<b>Parent Material</b>	<b>Location</b>	<b>Land Use</b>	<b>Drainage</b>
GtB	Gillett fine sandy loam, 1 to 4% slopes	Clayey alluvium	Ridges	Not prime farmland	Well drained
CoB	Coy clay loam, 1 to 3% slopes	Calcareous clayey alluvium derived from mudstone	Terraces	All areas are prime farmland	Well drained
PnC	Pernitas sandy clay loam, 2 to 5% slopes	Calcareous loamy alluvium derived from sandstone	Interfluves	Prime farmland if irrigated	Well drained
St	Sinton sandy clay loam, occasionally flooded	Loamy alluvium	Flood plains	Not prime farmland	Well drained



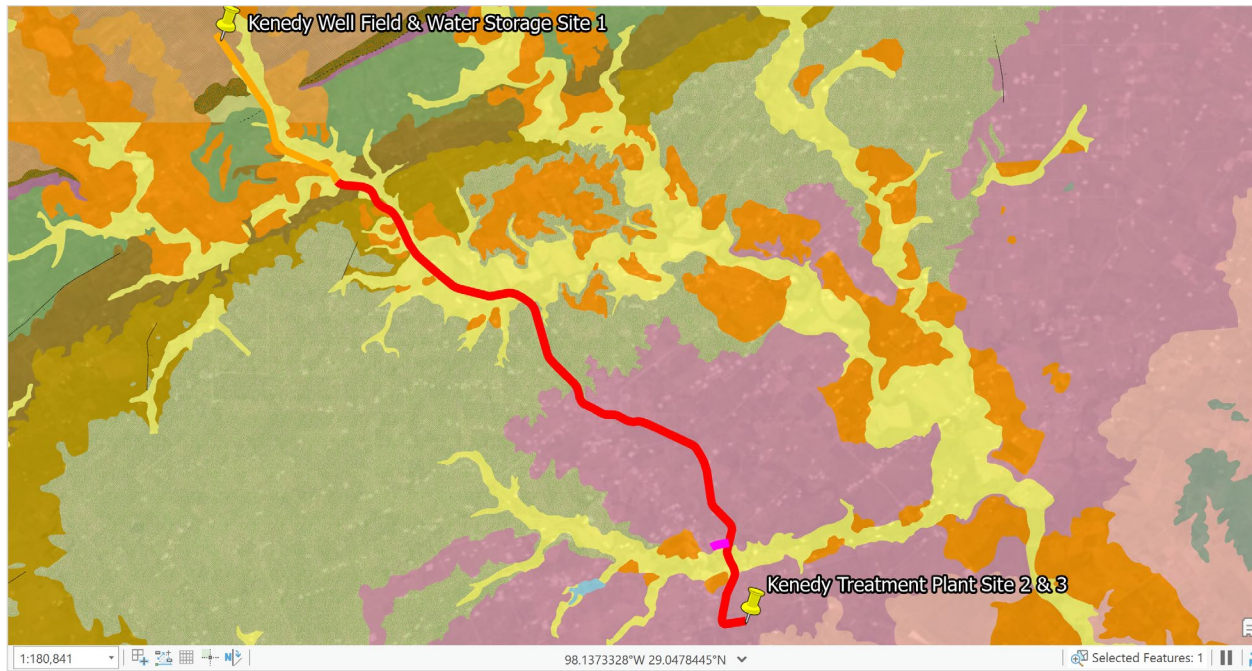
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W	Water	Water			
Zu	Zunker fine sandy loam, occasionally flooded	Loamy alluvium	Natural levees on flood plains	Not prime farmland	Well drained
Us	Ustarents, loamy	Mine spoil or earthy fill		Not prime farmland	Well drained
SeC	Sarnosa fine sandy loam, 2 to 5% slopes	Loamy residuum weathered from calcareous sandstone	Hillslopes	Prime farmland if irrigated	Well drained
PkC	Pavelek clay, 3 to 5% slopes, severely eroded	Clayey alluvium	Ridges	Not prime farmland	Well drained
PaB	Papalote loamy fine sand, 0 to 3% slopes	Loamy and/or clayey alluvium	Terraces	Prime farmland if irrigated	Moderately well drained
CbE	Colibro sandy clay loam, 5 to 12% slopes	Loamy alluvium	Stream terraces	Not prime farmland	Well drained
Bw	Buchel clay, 0 to 1% slopes, frequently flooded	Calcareous clayey alluvium	Flood plains	Not prime farmland	Moderately well drained
RoB	Rosenbrock clay, 1 to 3% slopes	Clayey alluvium over non-cemented tuffaceous loamy residuum weathered from siltstone	Ridges	All areas are prime farmland	Well drained
PkB	Pavelek clay, 0 to 3% slopes	Clayey alluvium	Ridges	Not prime farmland	Well drained
CdA	Condido clay, 0 to 2% slopes	Clayey alluvium	Interfluves	Not prime farmland	Well drained
EsB	Eloso clay, 1 to 3% slopes	Clayey alluvium	Interfluves	All areas are prime farmland	Well drained
MoC	Monteola clay, 3 to 5% slopes	Calcareous clayey residuum weathered from sandstone and shale	Hills	All areas are prime farmland	Well drained
CoC	Coy clay loam, 3 to 5% slopes	Calcareous clayey alluvium derived from mudstone	Terraces	All areas are prime farmland	Well drained
ShC	Schattel clay loam, 2 to 5% slopes	Clayey residuum	Ridges	Not prime farmland	Well drained
MoB	Monteola clay, 1 to 3% slopes	Calcareous clayey residuum weathered from sandstone and shale	Hills	All areas are prime farmland	Well drained
WeB	Weesatche sandy clay loam, 1 to 3% slopes	Calcareous loamy residuum weathered from sandstone	Ridges	All areas are prime farmland	Well drained

**Table 5. Rock Units within Proposed Project Area.**

<b>Rock Unit Code</b>	<b>Rock Unit Name</b>	<b>Period</b>	<b>Series</b>
Ey	Yegua Formation	Tertiary	Eocene
Qal	Alluvium	Quaternary	Holocene
Eca	Caddell Formation	Tertiary	Eocene
Ewi	Wilcox Group	Tertiary	Eocene
Qle	Leona Formation	Quaternary	Pleistocene
Em	Manning Formation	Tertiary	Eocene
Qt	Fluvatile terrace deposits	Quaternary	Pleistocene
Ecd	Conquista Clay Member and Dilworth Sandstone Member (Whitsett)	Tertiary	Eocene
Edd	Deweesville Sandstone Member	Tertiary	Eocene
OEd	Dubose Member and Deweesville Sandstone Member (Whitsett)	Tertiary	Oligocene
Oc	Catahoula Formation	Tertiary	Oligocene
Mo	Oakville Sandstone	Tertiary	Miocene



**Figure 8.** Rock Units within Proposed Project Area.

## Prior Disturbance

Disturbed areas with low potential would reduce the number of shovel tests and trenches along the proposed archaeological survey. The aerial and street views of disturbed areas are in Attachment 1. Disturbance along the proposed waterline project was determined with the use of topography maps, railroad maps, Google Earth, Natural Resources Conservation Service (NRCS) Web Soil Survey maps, and the Potential archeological liability maps (PALMS) (See Attachment 2).

Disturbance along the proposed project area include paved and gravel roads, agricultural plowing, and the pre-existing railroad. The upper deposits along the railroad are disturbed from the removal of the tracks in 1987 and 1998.

## Field Methodology

It is proposed to conduct and complete an archaeological survey of the proposed project area which will consist of archaeological background research, pedestrian survey, shovel testing, and trenching all within CTA and THC standards. The proposed project meets the criteria for linear projects under the THC/CTA Intensive Terrestrial Survey Guidelines based on the length and width of the APE. One transect with shovel tests every 100 meters and trenches every 200 meters are required in order to comply with the THC/CTA standards.

One transect will be conducted to survey within the APE. A total of 219 shovel tests distanced at 100 meters and 85 trenches distanced at 200 meters were calculated along the entire proposed waterline project. All shovel tests and trenches will be geo-referenced with a handheld GPS unit.



Shovel tests will be excavated every 100 meters. Positive shovel tests will be delineated by excavating shovel tests in all four cardinal directions recommended at approximately 10-meter spacing but no greater than 15 meters apart until two negative shovel tests in a row are reached in each direction within the project area.

Mechanical trenching will be conducted on areas with mapped Holocene and Late Pleistocene alluvial deposits. Approximately 10 to 11 miles of the proposed waterlines A and B fall on deep soils. A total of 77 trenches will be excavated northwest of Falls City, Texas down to northwest of Karnes City, Texas. Another 8 trenches will be excavated north of Kenedy, Texas.

To complete the proposed shovel tests and trenches, the following steps will be taken place:

Shovel tests will be conducted first starting at the proposed water line C. Once completing water line C, shovel tests will continue at the end of proposed waterline A moving northwest towards the end of waterline B. It is expected to complete a total of 16 shovel tests per mile per day counting 8 hours are worked per day. The proposed waterlines have a total of 219 shovel tests which would take 14 days to complete.

Once the shovel tests are completed, the trenches will be excavated starting at the end point proposed for waterline A moving northwest towards the end of waterline B. The trenches will be excavated with the use of a backhoe and minimum of a 2-foot-wide smooth blade bucket. A total of 85 trenches would take 43 days to complete when excavating 2 trenches a day for an 8-hour workday. If no safety benches are needed based on depth of each trench, then 3 trenches will be excavated per day

Any historic buildings encountered within the project areas dating to at least 45-years of age or older will be photographed. Any artifacts observed will be described, and any unique specimens will be photographed and geo-referenced using a handheld GPS unit. Any archeological sites discovered will have their boundaries delineated within existing right-of-ways and easements through systematic shovel testing and trenching and will be recorded on State of Texas Archeological Site Forms. These forms will be submitted to the Texas Archeological Research Laboratory in Austin to obtain state site numbers.

Areas with paved or gravel roads will be walked over and documented and photographed to verify the existing disturbance. These include a total of 3 trenches and 52 shovel tests.

## Reporting and Curation

The results of this investigation will be compiled into a report that meets the Standards for reporting approved by the Council of Texas Archeologists. This report will detail the results of the records review, describe the survey methods used, summarize the results of the on-site survey, provide a professional opinion as to whether the project will impact any significant archeological sites, and address conditions for further work or no further work according to the requirements of 13 TAC 26.20 and defined in 13 TAC 26.5. The report will be submitted for regulatory review by THC. All records produced from this investigation will be prepared and submitted for curation at a THC-accredited repository in accordance with 13 TAC 29 upon the full completion of the final report. This includes the organization of a photo log and photographs taken during the investigation and the completion of a curation agreement packet.

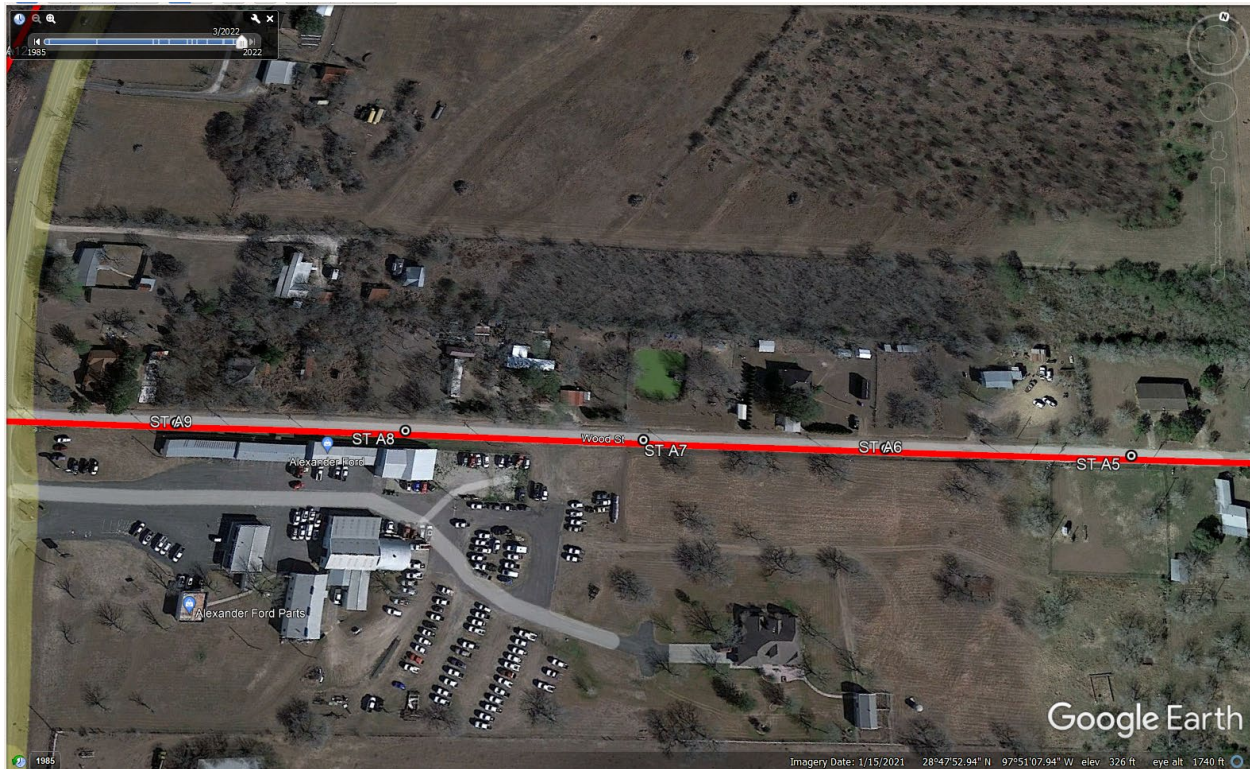


## Attachment 1

### AREAS WITH DISTURBED SOIL

Kenedy, TX to North of Falls City

### WATER LINE A

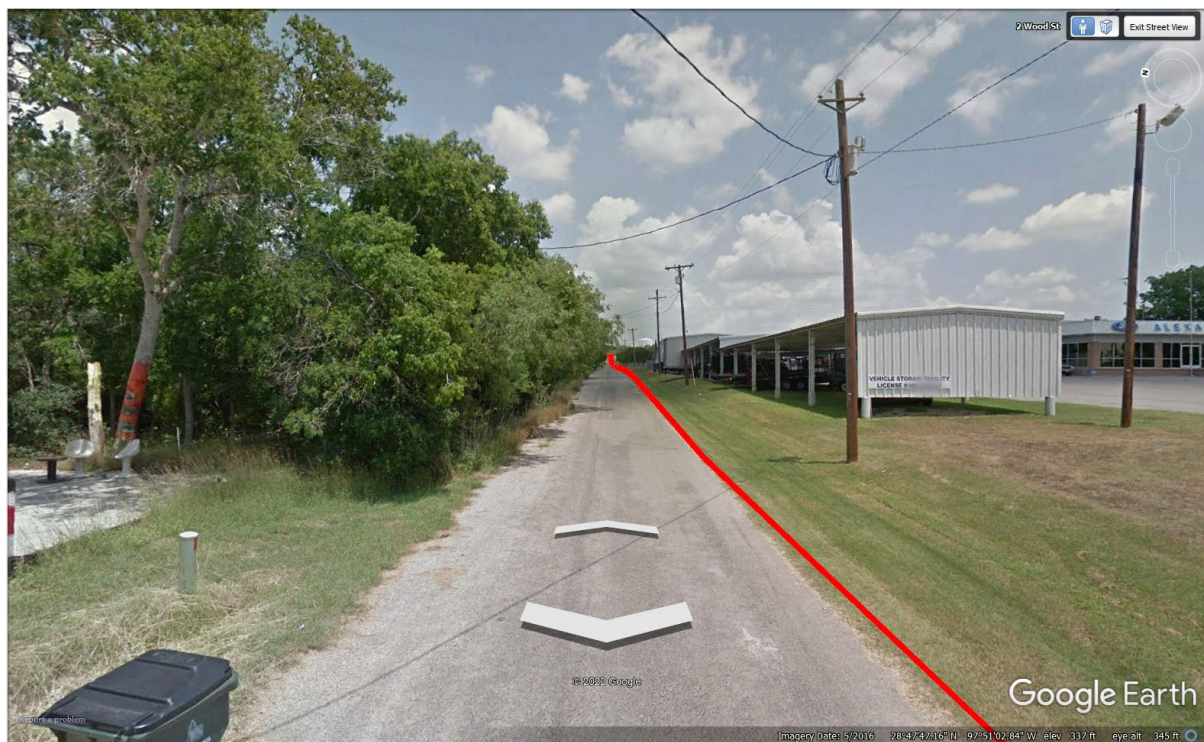


AERIAL VIEW (PLAN VIEW) OF ST A5- ST A9





WEST VIEW OF WOOD STREET ST A5- ST A9



EAST VIEW OF WOOD STREET ST A5- ST A9





AERIAL VIEW OF ST A19- ST A31



WEST VIEW OF FLAX PLANT RD ST A19





NORTH VIEW OF ESCONDIDO STREET ST A20-ST A31



SOUTH VIEW OF ESCONDIDO STREET ST A20- ST A31





WEST VIEW OF FM 719 TRENCH A8



SOUTH VIEW OF US-181 BUS ST A112





AERIAL VIEW OF US-181 BUS ST A112



AERIAL VIEW OF ST A115- ST A119





WEST VIEW OF ST A115- ST A119



SOUTH VIEW ALONG SOUT PANNA MARIA AVE ST A120





AERIAL VIEW OF ST A129- ST A131

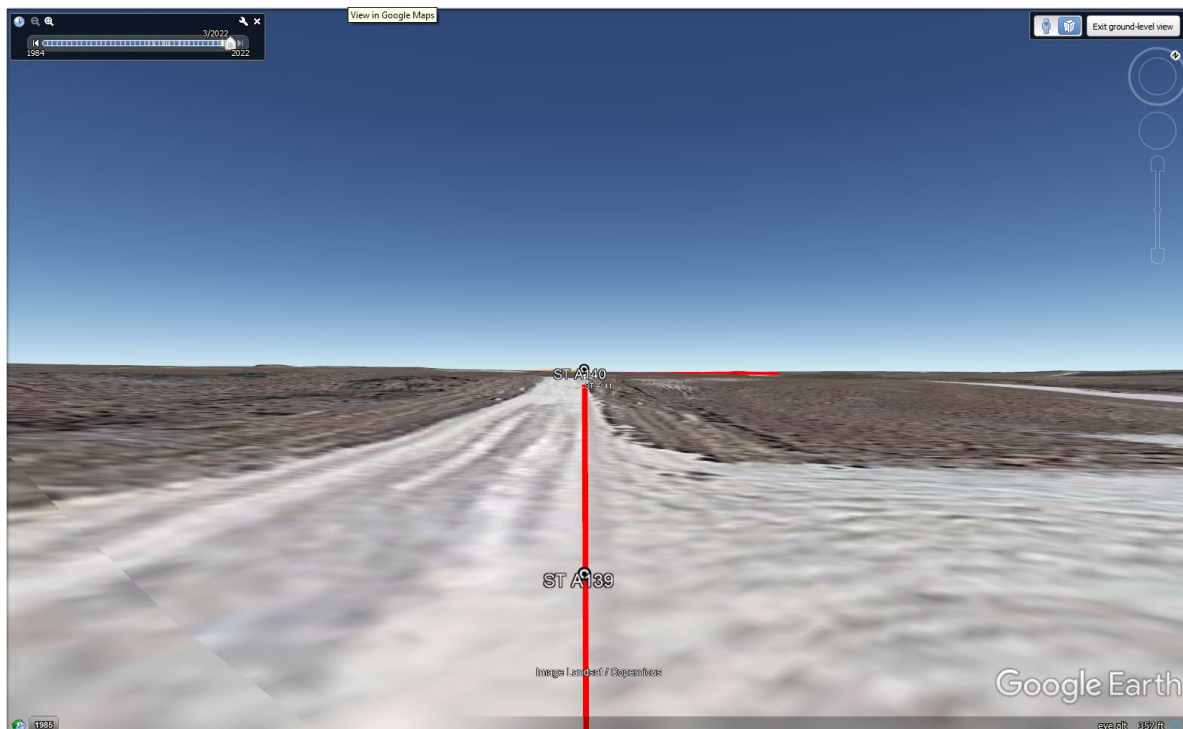


NORTHWEST VIEW OF COUNTY ROAD 223 ST A129- ST A131





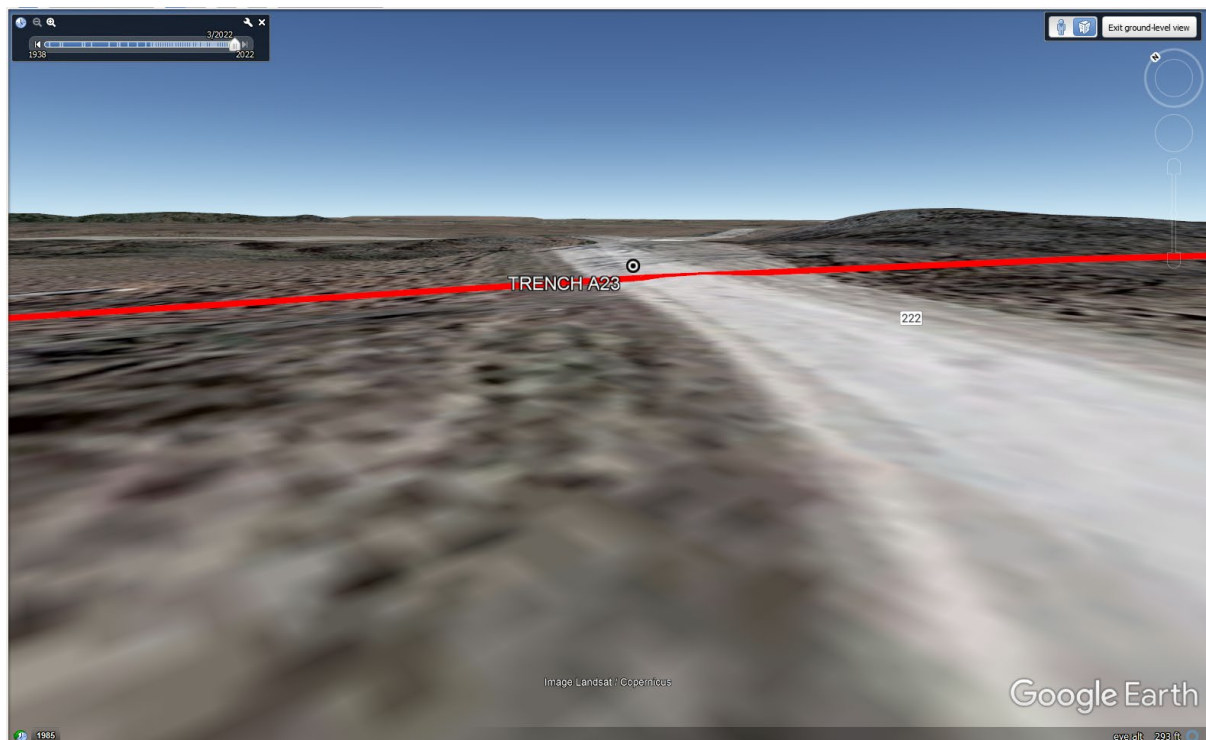
AERIAL VIEW OF ST A139- ST A161



NORTHWEST VIEW OF COUNTY ROAD 223 ST A139- ST A161



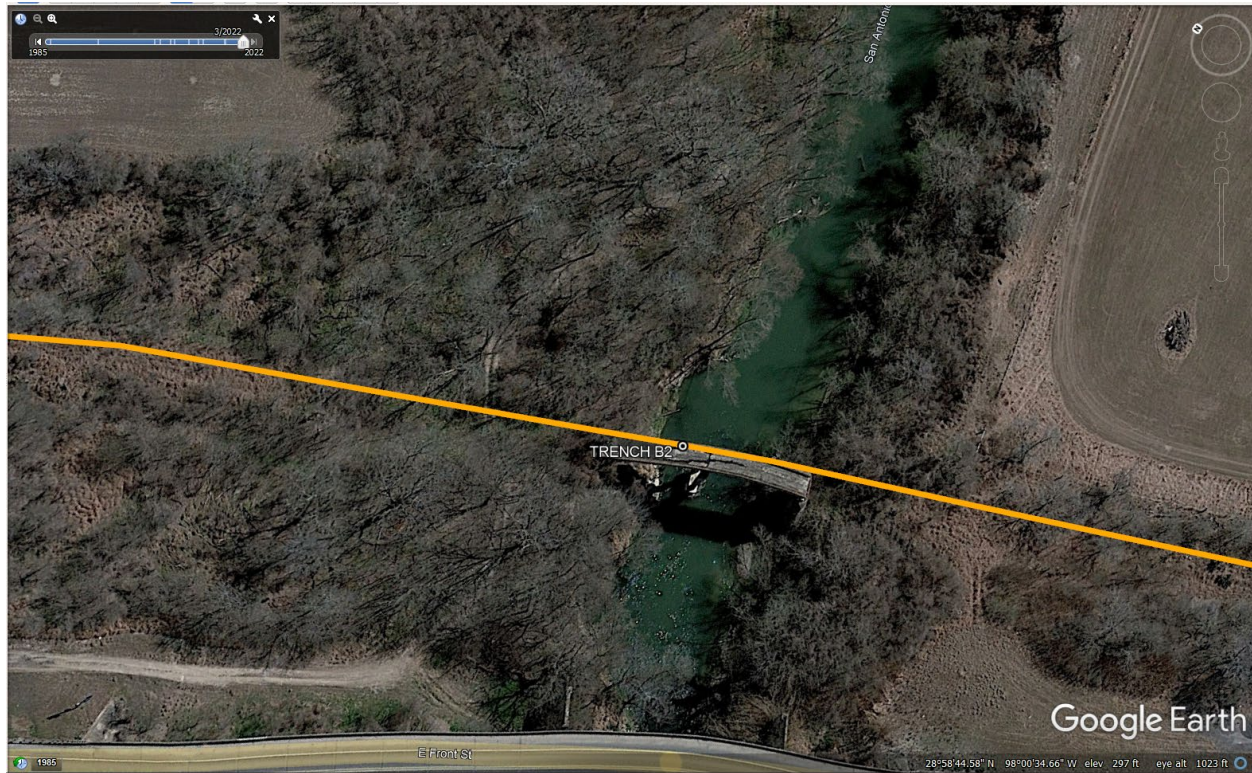
AERIAL VIEW OF TRENCH A23



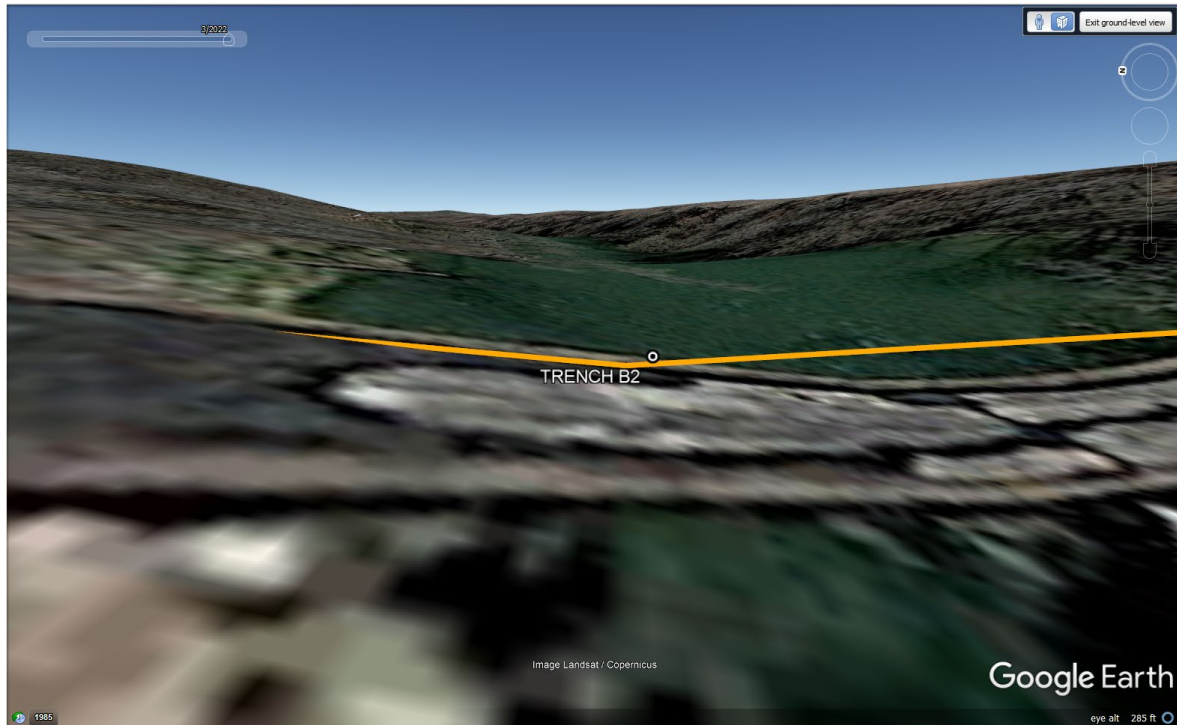
NORTHEAST VIEW OF COUNTY ROAD 222 TRENCH A23



**WATERLINE B**



**AERIAL VIEW OF TRENCH B2**

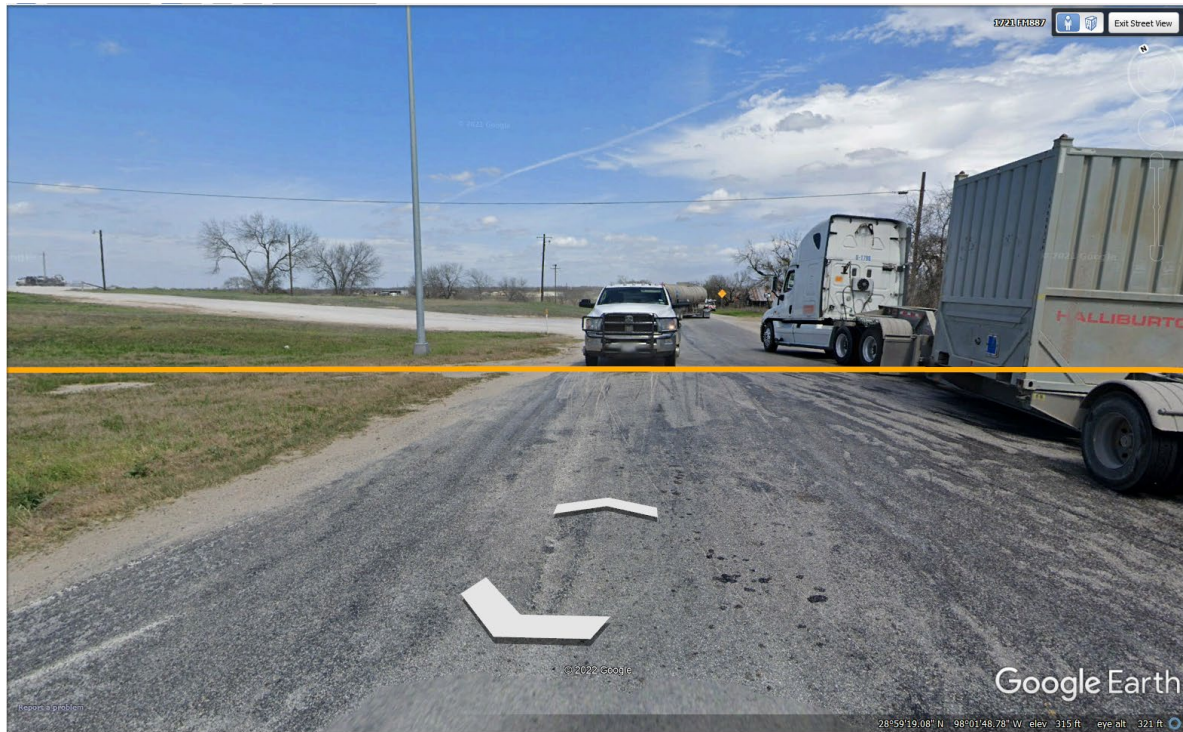


EAST VIEW OF SAN ANTONIO RIVER TRENCH B2



AERIAL VIEW OF ST B1





NORTHEAST VIEW OF FM887 ST B1

## WATER LINE C



NORTHEAST VIEW OF FM 179 ST A1- ST A8





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## Attachment 2

### Waterline A

SHOVEL TEST/ TRENCH NAME	POTENTIAL ARCHAEOLOGICAL LIABILITY MAPS (SCALE 1(LOW)-9 (HIGH))	AERIAL VIEW OF PAVED/ GRAVEL ROADS (YES/NO)	AP HORIZON (YES/NO) (CaA, CoB, CoC, CaB)
STA 1	1	NO	
STA 2	1	NO	
STA 3	1	NO	
STA 4	1	NO	
STA 5	1	YES	
STA 6	1	YES	
STA 7	1	YES	
STA 8	1	YES	
STA 9	1	YES	
STA 10	1	NO	
STA 11	4	NO	
STA 12	4	NO	
STA 13	1	NO	
STA 14	1	NO	
STA 15	1	NO	
STA 16	1	NO	YES; CoB
STA 17	2	NO	YES; CoB
STA 18	2	NO	YES; CoB
STA 19	2	YES	
STA 20	2	YES	YES; CoB
STA 21	2	YES	YES; CoB
STA 22	2	YES	YES; CoB
STA 23	1	YES	
STA 24	1	YES	
STA 25	1	YES	
STA 26	1	YES	
STA 27	1	YES	
STA 28	1	YES	
STA 29	1	YES	
STA 30	4	YES	
STA 31	1	YES	
STA 32	1	NO	
STA 33	8	NO	
STA 34	8	NO	YES; CaA
STA 35	5	NO	YES; CaA
STA 36	9	NO	YES; CaA
STA 37	9	NO	YES; CaA



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STA 38	9	NO	YES; CaA
STA 39	5	NO	
STA 40	4	NO	
STA 41	4	NO	
STA 42	4	NO	
STA 43	4	NO	
STA 44	4	NO	
STA 45	8	NO	YES; CaA
STA 46	5	NO	
STA 47	5	NO	
STA 48	4	NO	
STA 49	1	NO	
STA 50	4	NO	
STA 51	1	NO	
STA 52	1	NO	
STA 53	1	NO	
STA 54	1	NO	YES; CoB
STA 55	1	NO	YES; CoB
STA 56	1	NO	YES; CoB
STA 57	1	NO	YES; CoB
STA 58	1	NO	
STA 59	1	NO	YES; CoB
STA 60	1	NO	
STA 61	1	NO	
STA 62	1	NO	
STA 63	1	NO	YES; CoB
STA 64	1	NO	YES; CoB
STA 65	4	NO	
STA 66	4	NO	
STA 67	4	NO	
STA 68	1	NO	
STA 69	5	NO	YES; CoB
STA 70	2	NO	YES; CoB
STA 71	4	NO	
STA 72	5	NO	YES; CaA
STA 73	8	NO	YES; CaA
STA 74	4	NO	
STA 75	4	NO	
STA 76	1	NO	
STA 77	4	NO	
STA 78	4	NO	
STA 79	4	NO	
STA 80	4	NO	
STA 81	4	NO	
STA 82	4	NO	
STA 83	9	NO	YES; CaA



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STA 84	9	NO	YES; CaA
STA 85	9	NO	YES; CaA
STA 86	8	NO	YES; CaA
STA 87	7	NO	
STA 88	4	NO	
STA 89	4	NO	
STA 90	4	NO	
STA 91	5	NO	
STA 92	4	NO	
STA 93	9	NO	YES; CaA
STA 94	4	NO	
STA 95	1	NO	
STA 96	1	NO	
STA 97	1	NO	
STA 98	1	NO	
STA 99	1	NO	
STA 100	1	NO	
STA 101	4	NO	
STA 102	7	NO	
STA 103	7	NO	
STA 104	4	NO	
STA 105	5	NO	
STA 106	4	NO	
STA 107	1	NO	
STA 108	1	NO	
STA 109	1	NO	
STA 110	5	NO	
STA 111	4	NO	
STA 112	7	YES	
STA 113	7	NO	YES; CoB
STA 114	1	NO	YES; CoB
STA 115	1	YES	
STA 116	1	YES	
STA 117	1	YES	
STA 118	1	YES	
STA 119	1	YES	
STA 120	1	YES	
STA 121	1	NO	
STA 122	1	NO	
STA 123	1	NO	
STA 124	1	NO	
STA 125	1	NO	
STA 126	1	NO	
STA 127	4	NO	
STA 128	4	NO	
STA 129	4	YES	



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STA 130	4	YES	
STA 131	1	YES	YES; CoB
STA 132	4	NO	
STA 133	4	NO	YES; CoB
STA 134	4	NO	
STA 135	4	NO	
STA 136	4	NO	
STA 137	1	NO	
STA 138	5	NO	YES; CoC
STA 139	2	YES	YES; CoC
STA 140	1	YES	
STA 141	2	YES	YES; CoC
STA 142	5	YES	YES; CoB
STA 143	5	YES	YES; CoB
STA 144	4	YES	
STA 145	1	YES	
STA 146	5	YES	YES; CoC
STA 147	4	YES	YES; CoC
STA 148	5	YES	YES; CoB
STA 149	5	YES	YES; CoB
STA 150	1	YES	
STA 151	1	YES	
STA 152	4	YES	
STA 153	8	YES	YES; CoB
STA 154	8	YES	YES; CoB
STA 155	4	YES	
STA 156	4	YES	
STA 157	4	YES	
STA 158	4	YES	
STA 159	1	YES	
STA 160	1	YES	
STA 161	1	YES	
STA 162	1	NO	
STA 163	2	NO	
STA 164	5	NO	
STA 165	5	NO	
STA 166	5	NO	
STA 167	2	NO	
STA 168	5	NO	
STA 169	5	NO	
STA 170	5	NO	
STA 171	5	NO	
STA 172	4	NO	
STA 173	1	NO	
STA 174	4	NO	
STA 175	5	NO	



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STA 176	2	NO	
STA 177	5	NO	
STA 178	5	NO	
STA 179	5	NO	
STA 180	5	NO	
STA 181	5	NO	
STA 182			
STA 183			
STA 184			
STA 185			
STA 186			
STA 187			
STA 188			
STA 189			
STA 190			
STA 191			
STA 192			
TRENCH A1	5	NO	
TRENCH A2	2	NO	
TRENCH A3	6	NO	
TRENCH A4	9	NO	
TRENCH A5	9	NO	
TRENCH A6	9	NO	
TRENCH A7	5	NO	
TRENCH A8	2	YES	
TRENCH A9	9	NO	
TRENCH A10	8	NO	
TRENCH A11	9	NO	
TRENCH A12	9	NO	
TRENCH A13	9	NO	
TRENCH A14	9	NO	
TRENCH A15	9	NO	
TRENCH A16	9	NO	
TRENCH A17	9	NO	
TRENCH A18	9	NO	
TRENCH A19	9	NO	
TRENCH A20	9	NO	
TRENCH A21	9	NO	
TRENCH A22	9	NO	
TRENCH A23	6	YES	
TRENCH A24	6	NO	
TRENCH A25	9	NO	
TRENCH A26	6	NO	
TRENCH A27	6	NO	
TRENCH A28	6	NO	





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TRENCH A29	6	NO	
TRENCH A30	6	NO	
TRENCH A31	6	NO	
TRENCH A32	9	NO	
TRENCH A33	9	NO	
TRENCH A34	9	NO	
TRENCH A35	8	NO	
TRENCH A36	9	NO	
TRENCH A37	5	NO	
TRENCH A38	6	NO	
TRENCH A39	6	NO	
TRENCH A40	5	NO	
TRENCH A41	5	NO	
TRENCH A42	7	NO	
TRENCH A43	8	NO	
TRENCH A44	5	NO	
TRENCH A45	8	NO	
TRENCH A46	5	NO	
TRENCH A47	5	NO	
TRENCH A48	5	NO	
TRENCH A49	8	NO	
TRENCH A50	8	NO	
TRENCH A51	9	NO	
TRENCH A52	5	NO	

## **WATERLINE B**

<b>SHOVEL TEST/ TRENCH NAME</b>	<b>POTENTIAL ARCHAEOLOGICAL LIABILITY MAPS (SCALE 1(LOW)-9 (HIGH))</b>	<b>AERIAL VIEW OF PAVED/ GRAVEL ROADS (YES/NO)</b>	
STB 1	1	YES	
STB 2	2	NO	
STB 3	4	NO	
STB 4	9	NO	YES; CaB
STB 5	9	NO	
STB 6	8	NO	
STB 7	5	NO	
STB 8	5	NO	
STB 9	2	NO	
STB 10	5	NO	
STB 11	5	NO	
STB 12	5	NO	
STB 13	8	NO	



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STB 14	8	NO	
STB 15	5	NO	
STB 16	5	NO	
STB 17	5	NO	
STB 18	5	NO	
STB 19	8	NO	
TRENCH B1	6	NO	
TRENCH B2	5	YES	
TRENCH B3	9	NO	
TRENCH B4	9	NO	
TRENCH B5	2	NO	
TRENCH B6	2	NO	
TRENCH B7	1	NO	
TRENCH B8	2	NO	
TRENCH B9	9	NO	
TRENCH B10	2	NO	
TRENCH B11	6	NO	
TRENCH B12	5	NO	
TRENCH B13	2	NO	
TRENCH B14	5	NO	YES; CoB
TRENCH B15	4	NO	
TRENCH B16	4	NO	
TRENCH B17	9	NO	
TRENCH B18	9	NO	
TRENCH B19	9	NO	
TRENCH B20	9	NO	
TRENCH B21	5	NO	
TRENCH B22	5	NO	
TRENCH B23	5	NO	
TRENCH B24	9	NO	YES; CaA
TRENCH B25	9	NO	YES; CaA
TRENCH B26	9	NO	YES; CaA
TRENCH B27	9	NO	YES; CaA
TRENCH B28	5	NO	
TRENCH B29	9	NO	
TRENCH B30	9	NO	
TRENCH B31	9	NO	YES; CaB
TRENCH B32	9	NO	YES; CaB
TRENCH B33	9	NO	YES; CaB



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**WATERLINE C**

<b>SHOVEL TEST/ TRENCH NAME</b>	<b>POTENTIAL ARCHAEOLOGICAL LIABILITY MAPS (SCALE 1(LOW)-9 (HIGH))</b>	<b>AERIAL VIEW OF PAVED/ GRAVEL ROADS (YES/NO)</b>
STC 1	2	YES
STC 2	2	YES
STC 3	2	YES
STC 4	1	YES
STC 5	1	YES
STC 6	4	YES
STC 7	1	YES
STC 8	4	YES

### **Cultural Resources Summary**

For projects that require authorization or approval from state and federal agencies that oversee compliance with Section 106 of the National Historic Preservation Act and the Antiquities Code of Texas. A preliminary examination of the Texas Archaeological Sites Atlas will be reviewed to assist the client in identifying past cultural and archaeological sites and past investigations. Additionally, an on-site field survey, a report of findings and the archiving of records and artifacts resulting from the survey are required.

This task includes a review of available records, the development of a research design, and the completion of a THC permit application for the survey. The records reviewed will include a search of various on-line sources including the Texas Archeological Sites Atlas, the Web Soil Survey, the Texas State Archives, and geological maps on the U.S. Geological Survey website. In addition, we will also examine available historic aerial photographs and topographic maps to evaluate the potential locations of historical sites. The results of the records review will be incorporated into a research design for the archeological survey that will be submitted along with a completed permit application to the THC for permit issuance.

Once a THC permit is issued for the project, an on-site archeological survey will be conducted to include a pedestrian inspection and subsurface test excavations of the proposed project areas to locate and evaluate impacts to archeological sites. Work will include the collection of on-site observations, as well as photographs and descriptions of existing conditions for the purpose of characterizing and evaluating archeological sites if encountered. Any historic buildings encountered within the project areas dating to at least 45-years of age or older will be photographed. Any artifacts observed will be described, and any unique specimens will be photographed and geo-referenced using a handheld GPS unit. The proposed maximum depth of impact is 8 feet which includes a required 1-foot base with a waterline diameter of 24 to 30 inches in addition to 4 feet coverage. Based on the maximum depth of impact of 8 feet below existing grade that is proposed, it is assumed that shovel testing along with backhoe trenching within deep alluvium will be utilized to identify potentially buried archeological deposits. Any archeological sites discovered will have their boundaries delineated within existing right-of-ways and easements through systematic shovel testing and trenching and will be recorded on State of Texas Archeological Site Forms. These forms will be submitted to the Texas Archeological Research Laboratory in Austin to obtain state site numbers.

The proposed total of days to complete the on-site archaeological project at the proposed waterlines A, B, and C are 57 days without delineation of positive tests. A total of 219 shovel tests distanced at 100 meters apart and 85 trenches distanced at 200 meters apart were calculated along the proposed lines. Disturbed shovel test areas will be submitted for review by THC to be excluded from the on-site archaeological project.

Proposed water line A has a total of 192 shovel tests, from which 23 are located in potentially disturbed soils, and 52 trenches. Proposed water line B has a total of 19 shovel tests and 33 trenches. Proposed water line C has a total of 8 shovel tests.

In order to complete the proposed shovel tests and trenches, the following steps will be taken place:

Shovel tests will be conducted first starting at the proposed water line C. Once completing water line C, shovel tests will continue at the end of proposed waterline A moving northwest towards the end of waterline B. It is expected to complete a total of 16 shovel tests per mile per

day counting 8 hours are worked per day. The proposed waterlines have a total of 219 shovel tests which would take 14 days to complete.

Once the shovel tests are completed, the trenches will be excavated starting at the end point proposed for waterline A moving northwest towards the end of waterline B. The trenches will be excavated with the use of a backhoe and minimum of a 2-foot-wide smooth blade bucket. A total of 85 trenches would take 43 days to complete when excavating 2 trenches a day for an 8-hour workday. If no safety benches are needed based on depth of each trench, then 3 trenches will be excavated per day.

Disturbed areas will be submitted in the permit to THC with aerial and street views. These include a total of 3 trenches and 52 shovel tests. If approved by the THC, these will drop down the total workdays to 51 days.

The results of this investigation will be compiled into a report that meets the Standards for reporting approved by the Council of Texas Archeologists. This report will detail the results of the records review, describe the survey methods used, summarize the results of the on-site survey, and provide a professional opinion as to whether the project will impact any significant archeological sites. A draft of this report will be submitted to you for review, and upon your approval will be submitted to the THC for regulatory review. Any comments received from the THC will be addressed and a final report will be produced. The full completion of the report is expected to take 340 hours.

All records produced from this investigation will be prepared and submitted for curation at a THC-accredited repository in accordance with 13 TAC 29. This includes the organization of a photo log and photographs taken during the investigation and the completion of a curation agreement packet.



PROPOSED CONTROL/PUMP BUILDINGS  
PROPOSED COOLING TOWER  
PROPOSED DISINFECTION POINT  
PROPOSED GROUND STORAGE TANK(S)  
LAT: 29°02'19.01"N  
LONG: 98°03'49.00"W  
(WGS 1984)

BEGIN PROJECT  
BEGIN PROPOSED WATER LINE A  
LAT: 29°02'22.11"N  
LONG: 98°03'44.91"W  
(WGS 1984)

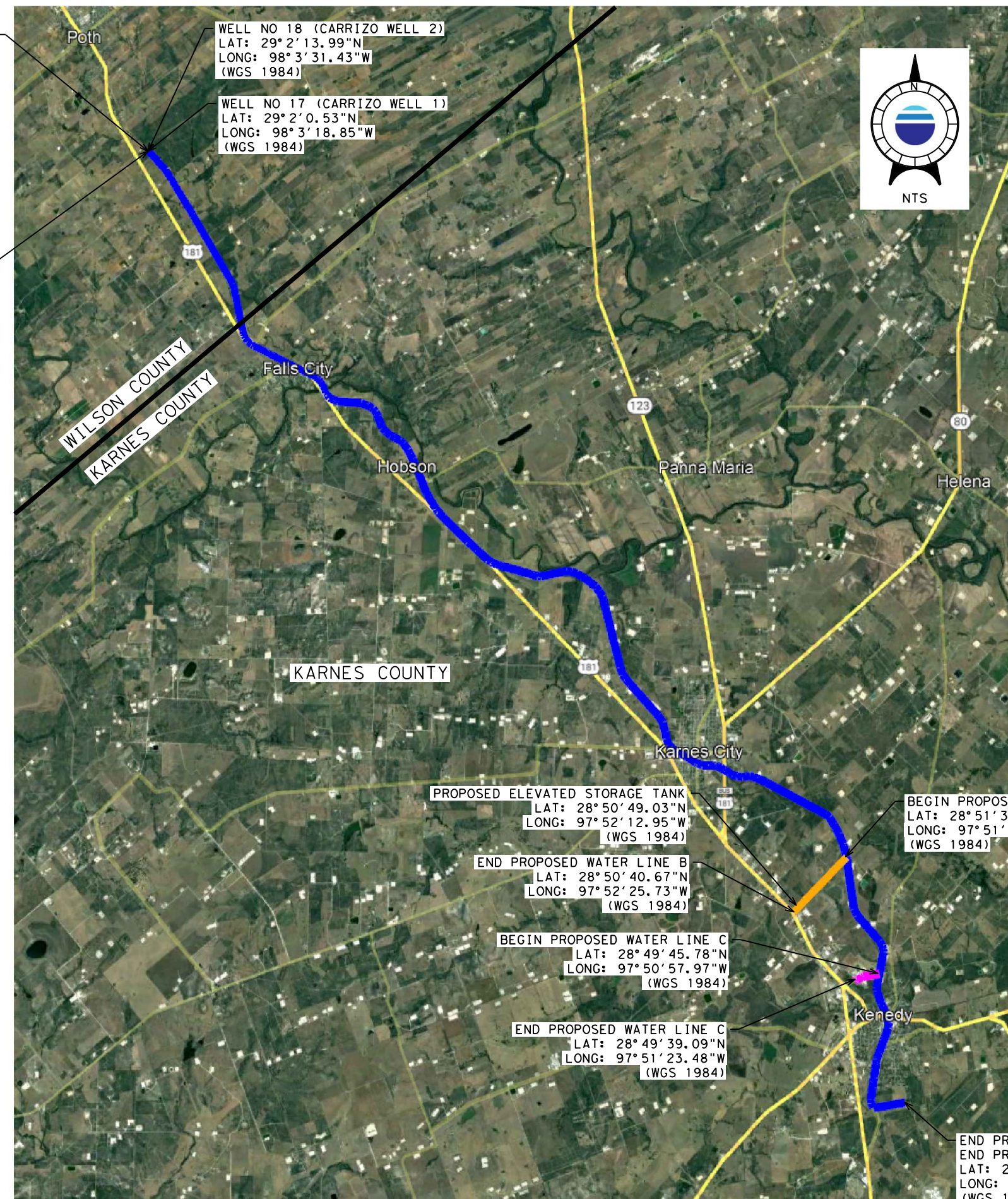
WELL NO 18 (CARRIZO WELL 2)  
LAT: 29°2'13.99"N  
LONG: 98°3'31.43"W  
(WGS 1984)

WELL NO 17 (CARRIZO WELL 1)  
LAT: 29°2'0.53"N  
LONG: 98°3'18.85"W  
(WGS 1984)



TOTAL LINEAR FOOTAGE OF WATERLINE  
PER KMZ FILE IS 137,005 LF/ 25.95 MI

PROPOSED WATER LINE A: 127,608 LF  
PROPOSED WATER LINE B: 7,008 LF  
PROPOSED WATER LINE C: 2,389 LF



PROPOSED ELEVATED STORAGE TANK  
LAT: 28°50'49.03"N  
LONG: 97°52'12.95"W  
(WGS 1984)

END PROPOSED WATER LINE B  
LAT: 28°50'40.67"N  
LONG: 97°52'25.73"W  
(WGS 1984)

BEGIN PROPOSED WATER LINE C  
LAT: 28°49'45.78"N  
LONG: 97°50'57.97"W  
(WGS 1984)

END PROPOSED WATER LINE C  
LAT: 28°49'39.09"N  
LONG: 97°51'23.48"W  
(WGS 1984)

BEGIN PROPOSED WATER LINE B  
LAT: 28°51'30.20"N  
LONG: 97°51'30.34"W  
(WGS 1984)

END PROJECT  
END PROPOSED WATER LINE A  
LAT: 28°47'51.03"N  
LONG: 97°50'33.33"W  
(WGS 1984)

DATE: SEPTEMBER 8, 2022

KENEDY WATER LINE  
PROJECT LIMITS



PROJECT: 2206-001	SHEET NO. 1
HORIZ. SCALE: N/A	OF 1
VERT. SCALE: N/A	
FILE:	



TIME: \$TIMES  
DATE: \$DATES  
FILE PATH:

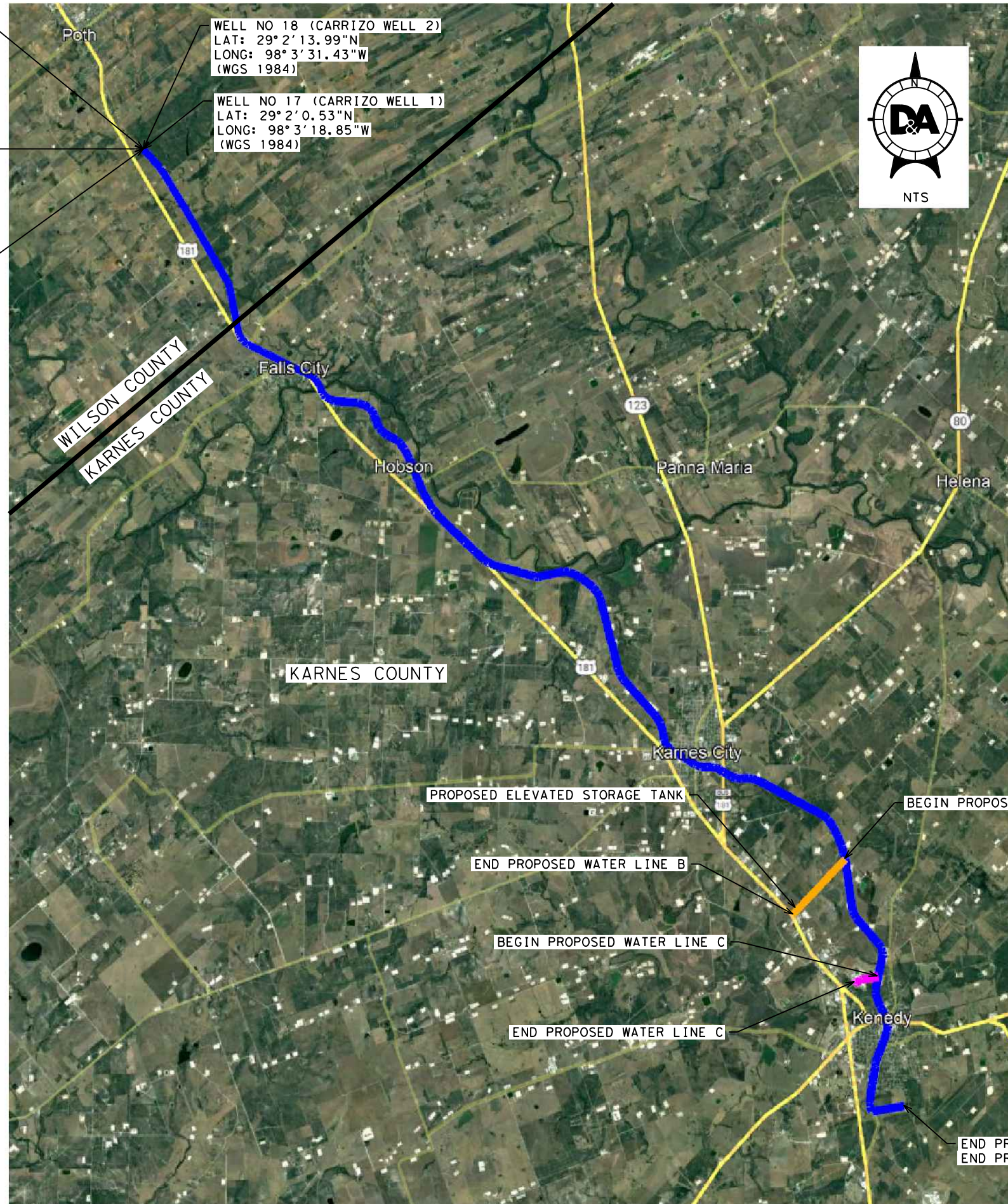
#### WETLAND CROSSINGS

- 1) RIVERINE WETLAND CROSSING PANNA MARIA TAILINGS POND (PG. 2)
- 2) RIVERINE WETLAND CROSSING FROM MARCELINAS CREEK (PG. 2)
- 3) RIVERINE WETLAND CROSSING FROM MARCELINAS CREEK (PG. 2)
- 4) RIVERINE WETLAND CROSSING FROM MARCELINAS CREEK (PG. 2)
- 5) RIVERINE WETLAND CROSSING FROM MARCELINAS CREEK (PG. 3)
- 6) RIVERINE WETLAND CROSSING FROM MARCELINAS CREEK (PG. 3)
- 7) RIVERINE WETLAND CROSSING FROM MARCELINAS CREEK (PG. 4)
- 8) RIVERINE WETLAND CROSSING SAN ANTONIO RIVER (PG. 4)
- 9) RIVERINE WETLAND CROSSING SAN ANTONIO RIVER (PG. 5)
- 10) RIVERINE WETLAND CROSSING FROM COW CREEK (PG. 5)
- 11) RIVERINE WETLAND CROSSING FROM COW CREEK (PG. 6)
- 12) RIVERINE WETLAND CROSSING FROM COW CREEK (PG. 6)
- 13) RIVERINE WETLAND CROSSING COW CREEK (PG. 7)
- 14) RIVERINE WETLAND CROSSING FROM SAN ANTONIO RIVER (PG. 8)
- 15) RIVERINE WETLAND CROSSING FROM SAN ANTONIO RIVER & BRIDGE (PG. 8)
- 16) RIVERINE WETLAND CROSSING FROM SAN ANTONIO RIVER (PG. 9)
- 17) RIVERINE WETLANDS & FRESH EMERGENT WETLANDS (ROUTE MAY AVOID THEM) (PG. 9)
- 18) RIVERINE WETLAND CROSSING FROM ESCONDIDO CREEK (PG. 9)
- 19) FRESHWATER EMERGENT WETLAND FROM ESCONDIDO CREEK (PG. 10)
- 20) RIVERINE WETLAND CROSSING FROM ESCONDIDO CREEK (PG. 10)
- 21) RIVERINE WETLAND CROSSING FROM ESCONDIDO CREEK (PG. 10)
- 22) RIVERINE WETLAND CROSSING FROM ESCONDIDO CREEK (PG. 10)
- 23) RIVERINE WETLAND CROSSING FROM SOIL CONSERVATION SERVICE SITE 11 RESERVOIR (PG. 10)
- 24) RIVERINE WETLAND CROSSING FROM ESCONDIDO CREEK (PG. 12)
- 25) RIVERINE WETLAND CROSSING FROM ESCONDIDO CREEK (PG. 12)
- 26) RIVERINE WETLAND CROSSING FROM ESCONDIDO CREEK (PG. 12-13)
- 27) RIVERINE WETLAND CROSSING ESCONDIDO CREEK (PG. 13)
- 28) RIVERINE WETLAND CROSSING CONCRETE CHANNEL WITH BRIDGE (PG. 13)
- 29) RIVERINE WETLAND CROSSING FROM NICHOLS CREEK (PG. 14)
- 30) RIVERINE WETLAND CROSSING FROM NICHOLS CREEK (PG. 14)

PROPOSED CONTROL/PUMP BUILDINGS  
PROPOSED COOLING TOWER  
PROPOSED DISINFECTION POINT  
PROPOSED GROUND STORAGE TANK(S)

PROPOSED COLLECTION WATER LINE

BEGIN PROJECT  
BEGIN PROPOSED WATER LINE A



TOTAL LINEAR FOOTAGE OF WATERLINE  
PER KMZ FILE IS 137,659 LF/ 26.07 MI

PROPOSED COLLECTION WATER LINE:	654 LF
PROPOSED WATER LINE A:	127,608 LF
PROPOSED WATER LINE B:	7,008 LF
PROPOSED WATER LINE C:	2,389 LF

#### ROADWAY CROSSINGS

- 1) CR 887 (PG. 3)
- 2) CR 81 (PG. 5)
- 3) US 181 (PG. 9)
- 4) S PANNA MARIA AVE (PG. 9)
- 5) S BROWNE ST (PG. 9)
- 6) US 181 (PG. 9)
- 7) CR 345 (PG. 9)
- 8) CR 344 (PG. 10)
- 9) CR 719 (PG. 12)
- 10) HWY 72 (PG. 13)
- 11) S 2ND ST (PG. 13)
- 12) E SCHOOL ST (PG. 13)
- 13) FLAX PLANT RD (PG. 14)
- 14) US 181 (PG. 14)

DATE: OCTOBER 7, 2022

### KENEDY WATER LINE PROJECT LIMITS

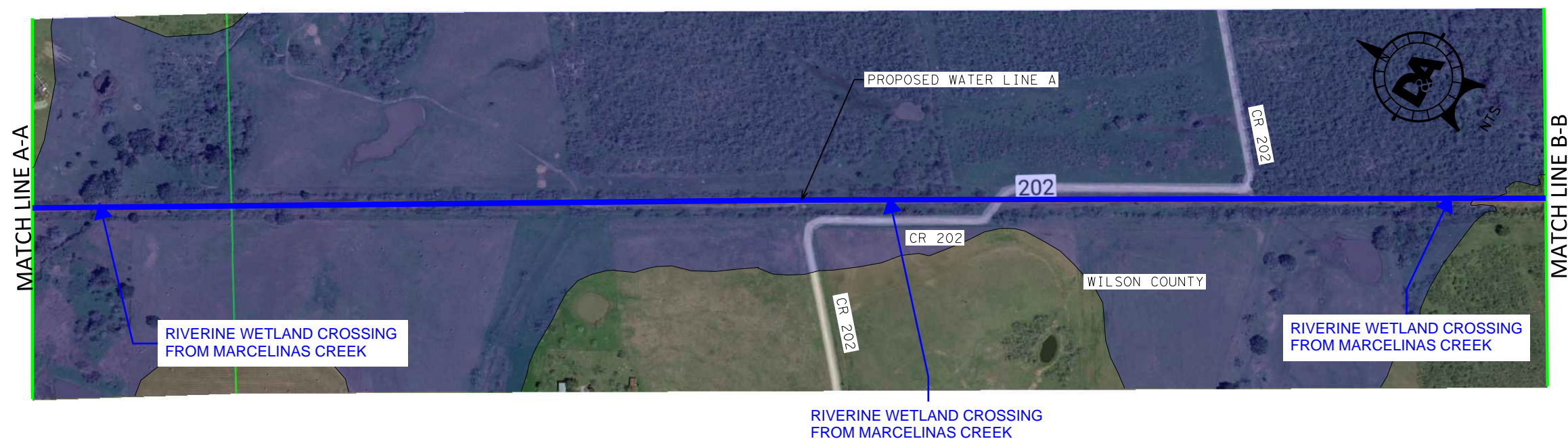
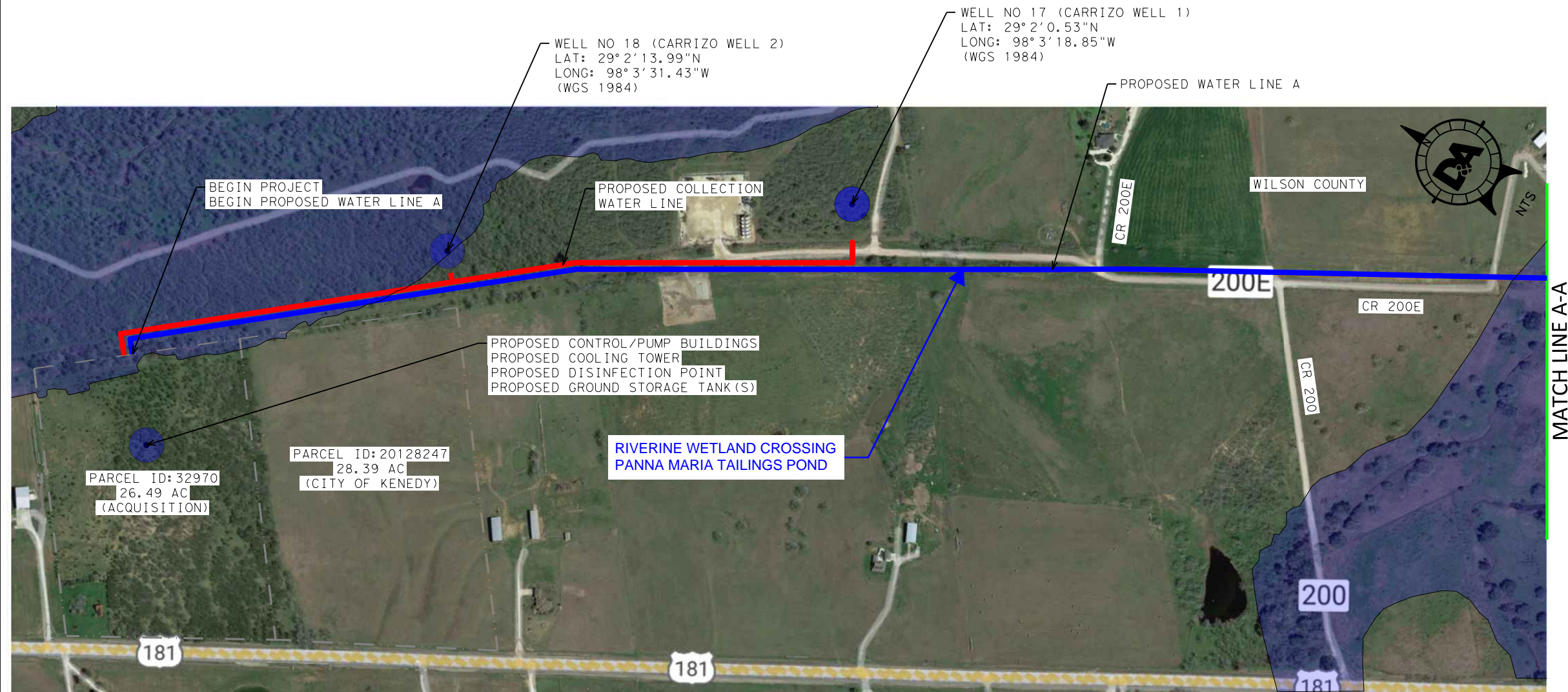
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& ASSOCIATES**

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7401 B. Highway 71 W, Suite 160  
Austin, Texas 78735, Phone: (512)-583-2600  
www.DoucetEngineers.com  
Firm Registration Number: 3937











PROJECT: 2206-001  
HORIZ. SCALE: N/A  
VERT. SCALE: N/A  
FILE:

SHEET NO.  
1  
OF 15





### LEGEND

- |   |  |
|---|--|
|  | EX. ROW                                    |
|  | EX. PARCEL                                 |
|  | PRO. 30" WATER LINE A                      |
|  | PRO. WATER LINE B                          |
|  | PRO. 12" WATER LINE C                      |
|  | PRO. COLLECTION WATER LINE                 |
|  | ZONE A - 1 PCT ANNUAL CHANCE FLOOD HAZARD  |
|  | ZONE AE - 1 PCT ANNUAL CHANCE FLOOD HAZARD |
|  | 0.2 PCT ANNUAL CHANCE FLOOD HAZARD         |
|  | FLOODWAY                                   |

NOTE: THE MAJORITY OF THE  
PROPOSED WATER LINE IS  
TO BE CONSTRUCTED WITHIN  
ABANDONED UPRR ROW.

TIME: 11:25:41 AM  
DATE: 10/4/2022  
FILE PATH:

DATE: OCTOBER 7, 2022

# KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

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[www.DoucetEngineers.com](http://www.DoucetEngineers.com)  
Firm Registration Number: 3937

PROJECT: 2206-001

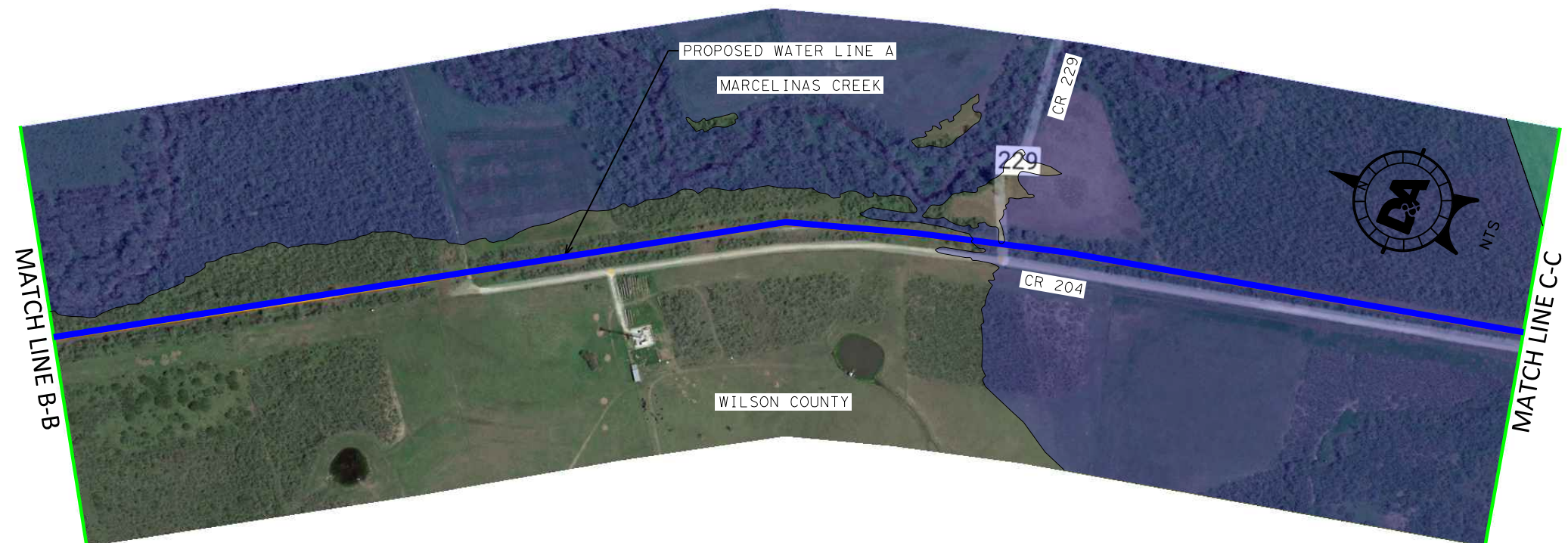
HORIZ. SCALE: N/A

VERT. SCALE: N/A

FILE:

SHEET NO. 2 OF 15





LEGEND

---

EX. ROW

---

EX. PARCEL

---

PRO. 30" WATER LINE A

---

PRO. WATER LINE B

---

PRO. 12" WATER LINE C

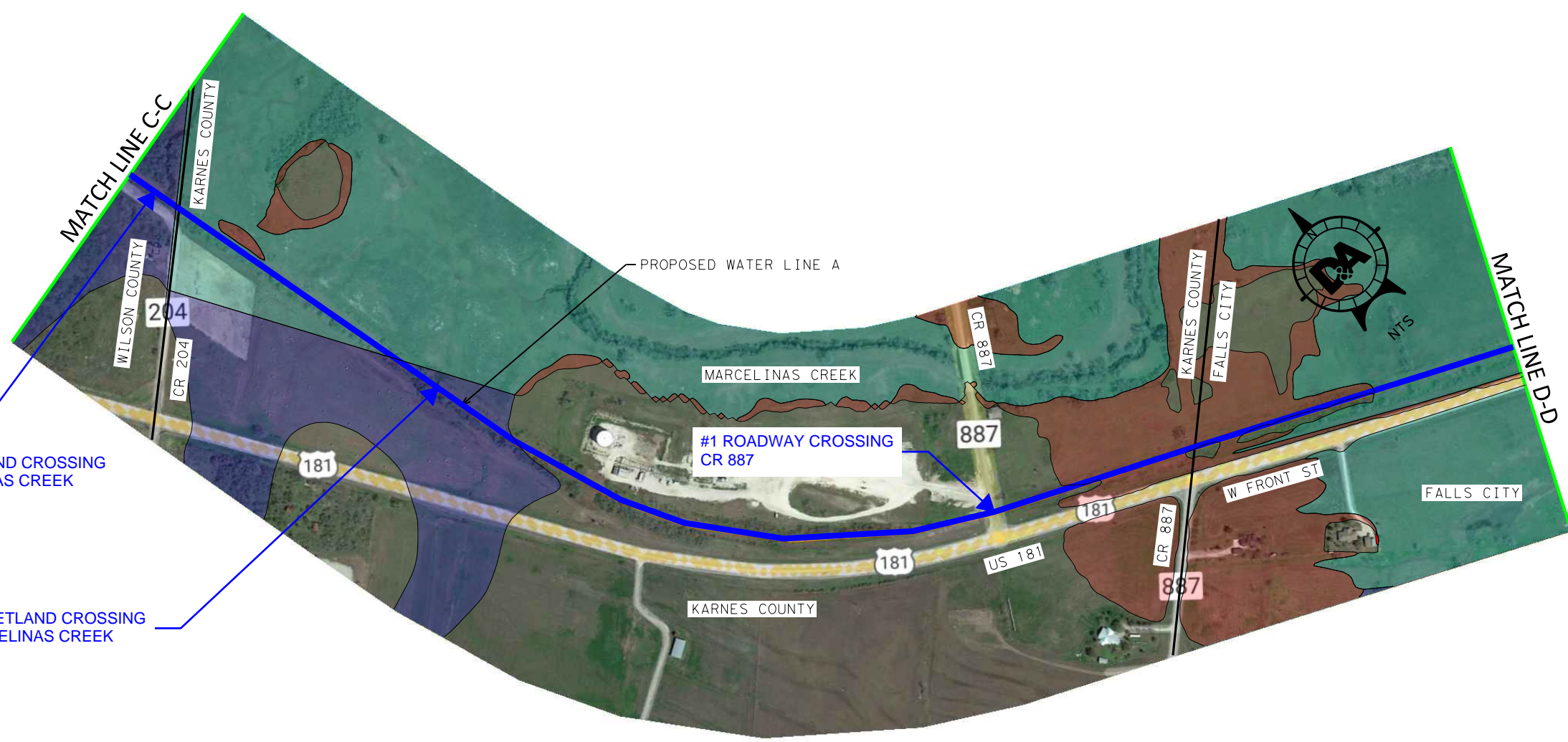
ZONE A - 1 PCT ANNUAL CHANCE FLOOD HAZARD

ZONE AE - 1 PCT ANNUAL CHANCE FLOOD HAZARD

0.2 PCT ANNUAL CHANCE FLOOD HAZARD

FLOODWAY

NOTE: THE MAJORITY OF THE PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.



DATE: OCTOBER 7, 2022

KENEDY WATER LINE  
OVERALL PROJECT  
LIMITS EXHIBIT

DA

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& ASSOCIATES

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www.DoucetEngineers.com  
Firm Registration Number: 3937

PROJECT: 2206-001

HORIZ. SCALE: N/A

VERT. SCALE: N/A

FILE:

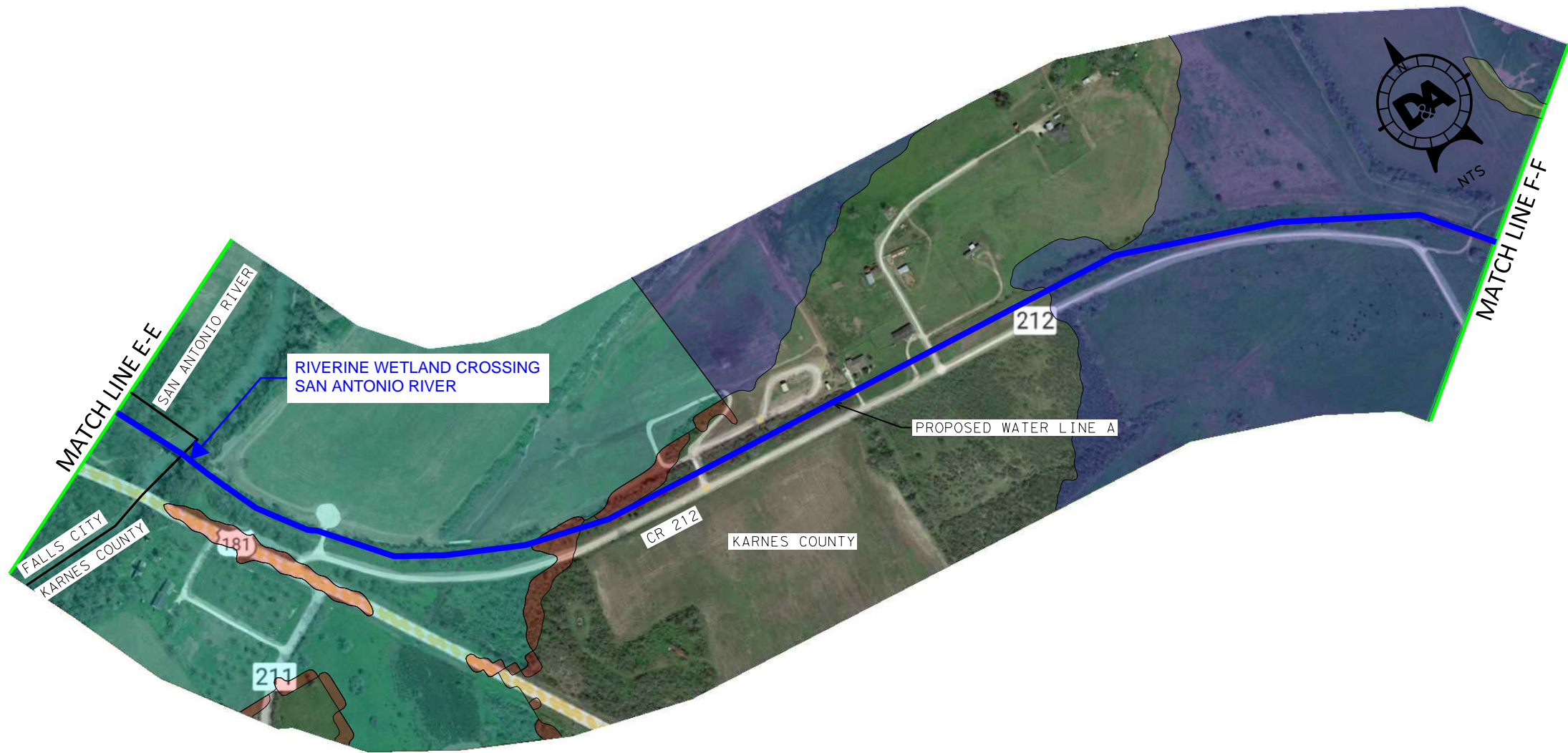
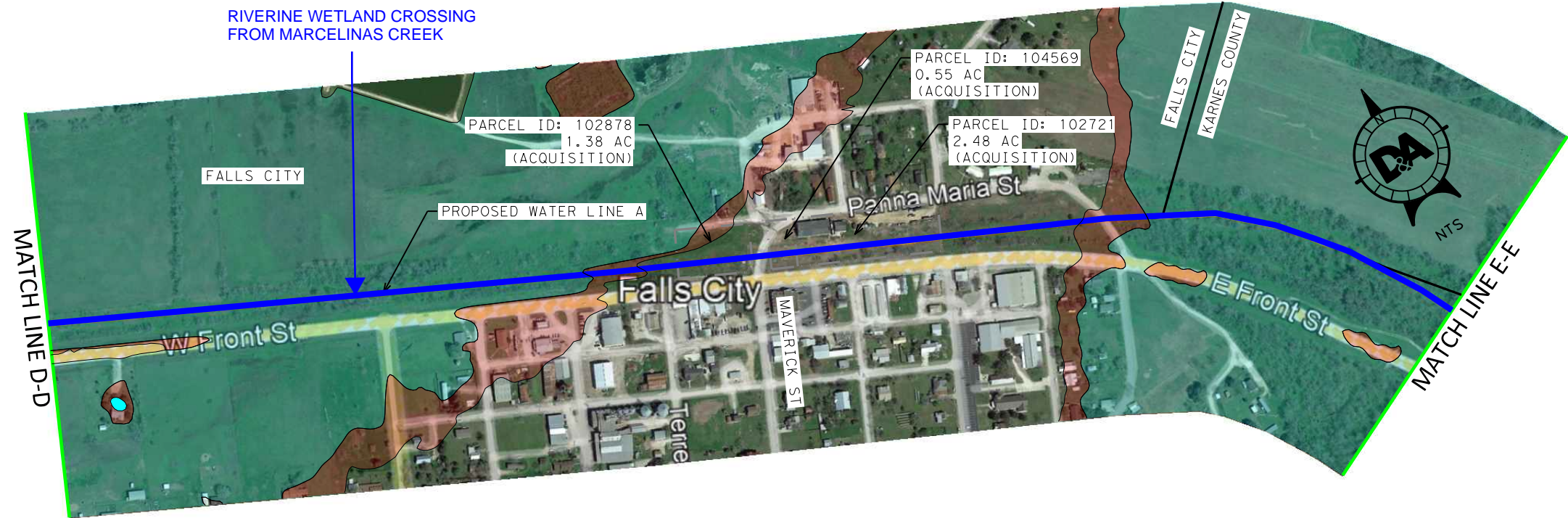
SHEET NO.  
3

OF 15

TIME: 11:25:49 AM  
DATE: 10/4/2022  
FILE PATH:



TIME: 11:25:54 AM  
DATE: 10/4/2022  
FILE PATH:



#### LEGEND

---	EX. ROW
---	EX. PARCEL
---	PRO. 30" WATER LINE A
---	PRO. WATER LINE B
---	PRO. 12" WATER LINE C
---	ZONE A - 1 PCT ANNUAL CHANCE FLOOD HAZARD
---	ZONE AE - 1 PCT ANNUAL CHANCE FLOOD HAZARD
---	0.2 PCT ANNUAL CHANCE FLOOD HAZARD
---	FLOODWAY

NOTE: THE MAJORITY OF THE PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.

DATE: OCTOBER 7, 2022

#### KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

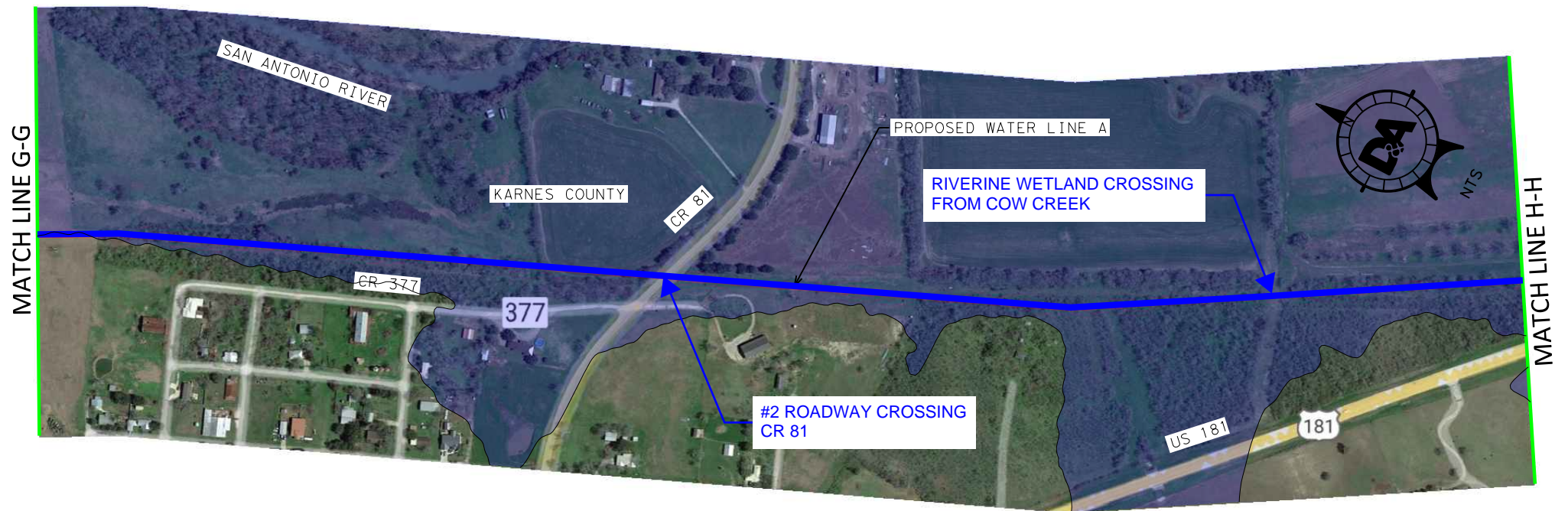
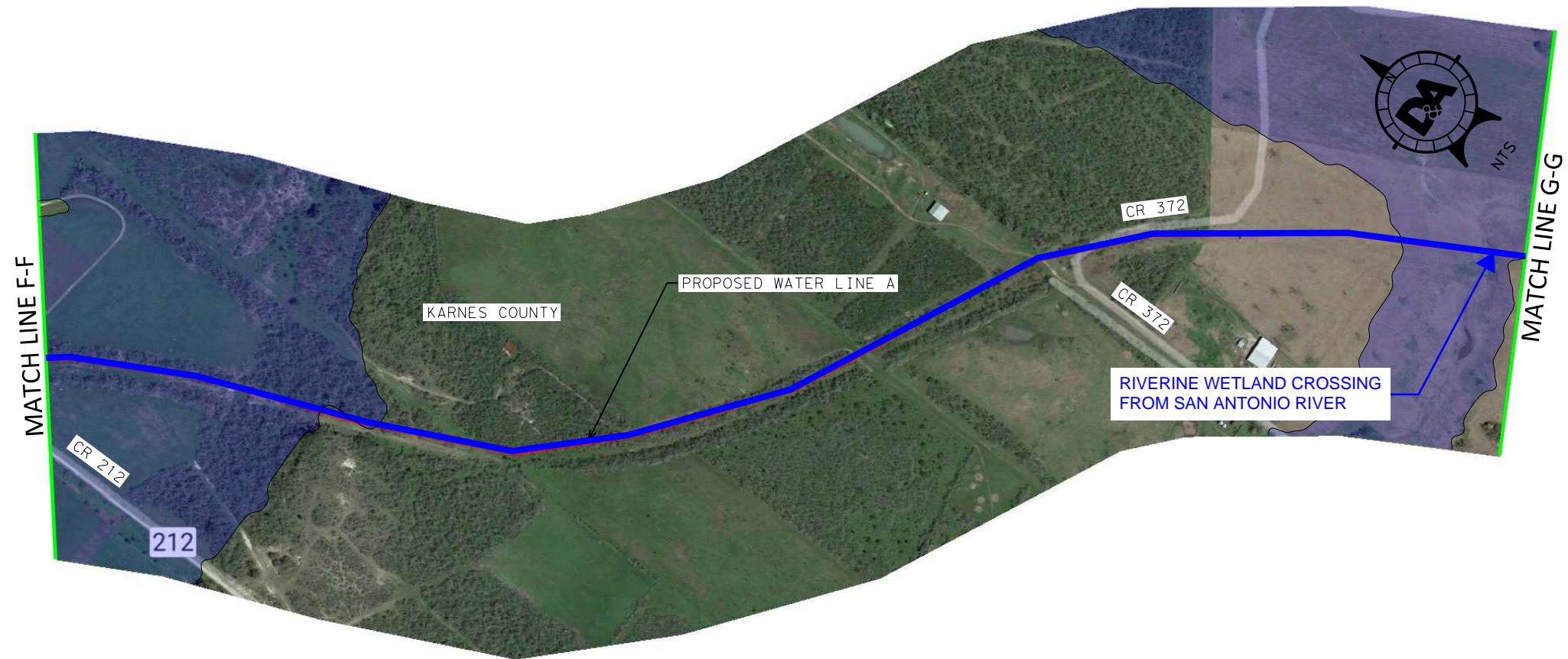
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www.DoucetEngineers.com  
Firm Registration Number: 3937

PROJECT: 2206-001	SHEET NO.
HORIZ. SCALE: N/A	4
VERT. SCALE: N/A	OF 15
FILE:	



TIME: 11:25:58 AM  
DATE: 10/4/2022  
FILE PATH:



#### LEGEND

	EX. ROW
	EX. PARCEL
	PRO. 30" WATER LINE A
	PRO. WATER LINE B
	PRO. 12" WATER LINE C
	ZONE A - 1 PCT ANNUAL CHANCE FLOOD HAZARD
	ZONE AE - 1 PCT ANNUAL CHANCE FLOOD HAZARD
	0.2 PCT ANNUAL CHANCE FLOOD HAZARD
	FLOODWAY

NOTE: THE MAJORITY OF THE PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.

DATE: OCTOBER 7, 2022

#### KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

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Firm Registration Number: 3937

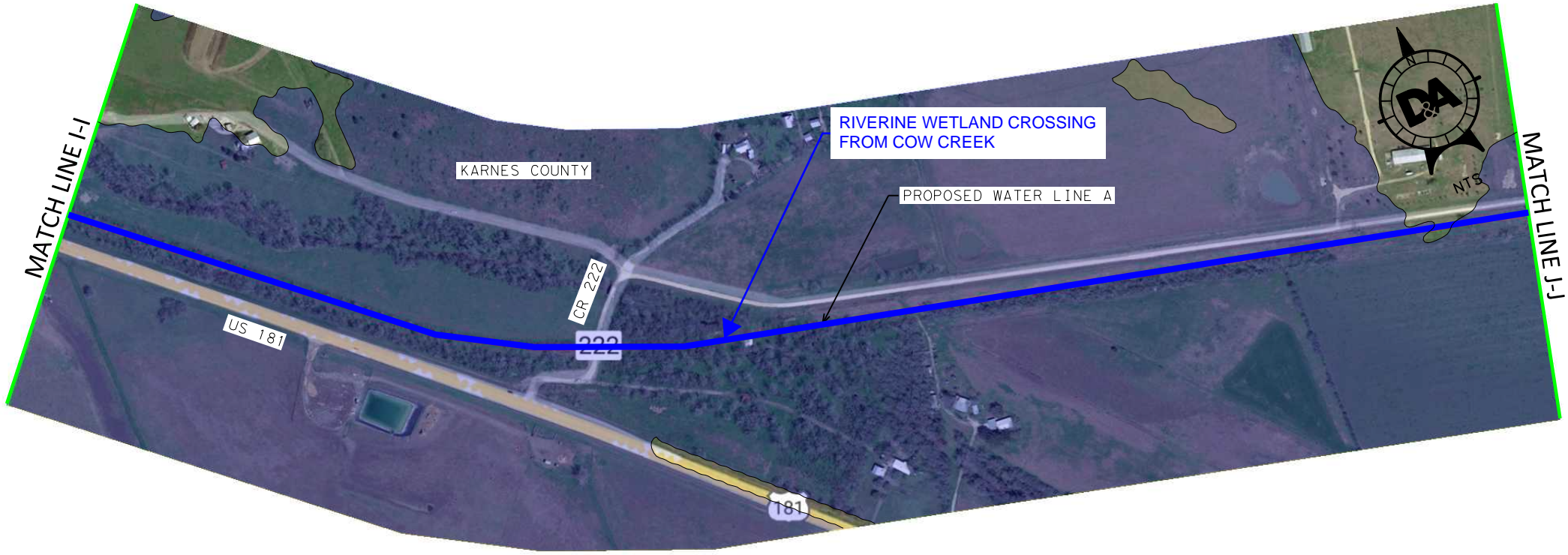
PROJECT: 2206-001	SHEET NO.
HORIZ. SCALE: N/A	5
VERT. SCALE: N/A	OF 15
FILE:	



LEGEND

- EX. ROW
- EX. PARCEL
- PRO. 30" WATER LINE A
- PRO. WATER LINE B
- PRO. 12" WATER LINE C
- ZONE A - 1 PCT ANNUAL CHANCE FLOOD HAZARD
- ZONE AE - 1 PCT ANNUAL CHANCE FLOOD HAZARD
- 0.2 PCT ANNUAL CHANCE FLOOD HAZARD
- FLOODWAY

NOTE: THE MAJORITY OF THE PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.



DATE: OCTOBER 7, 2022

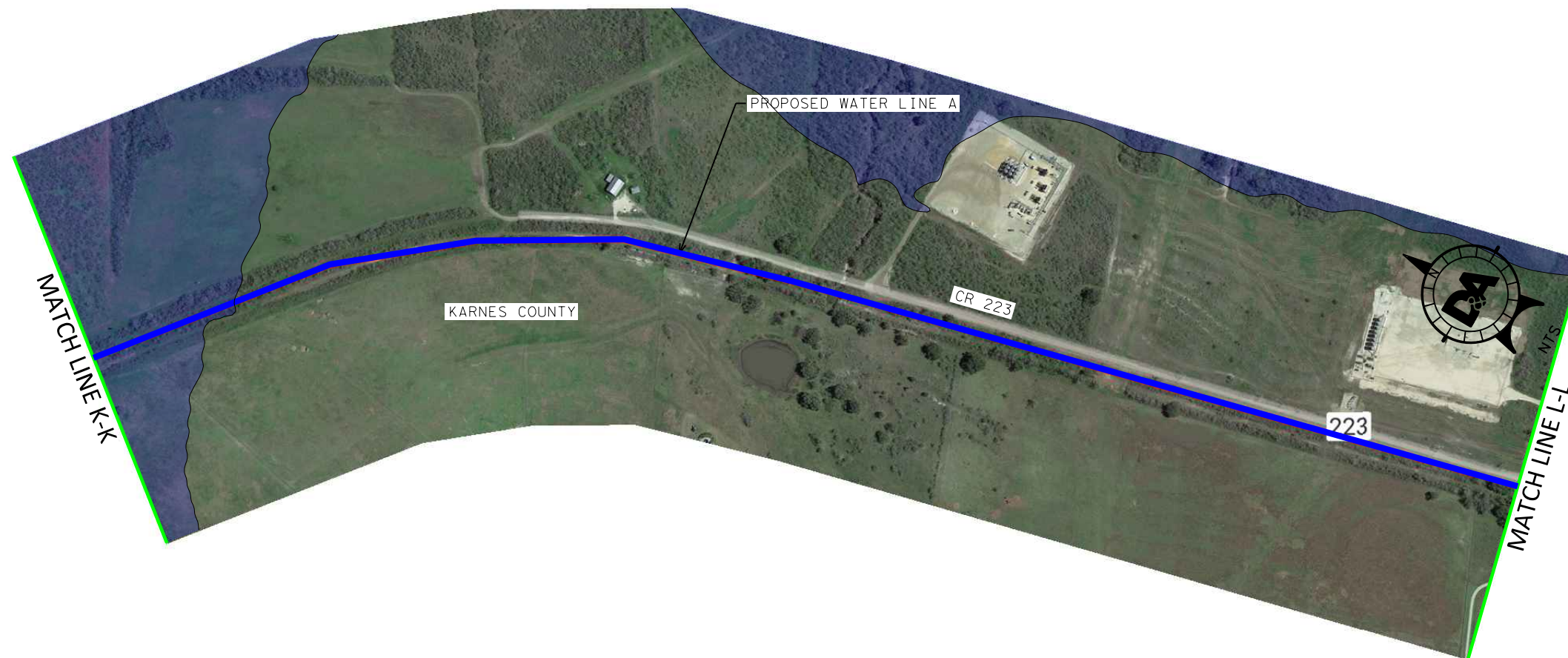
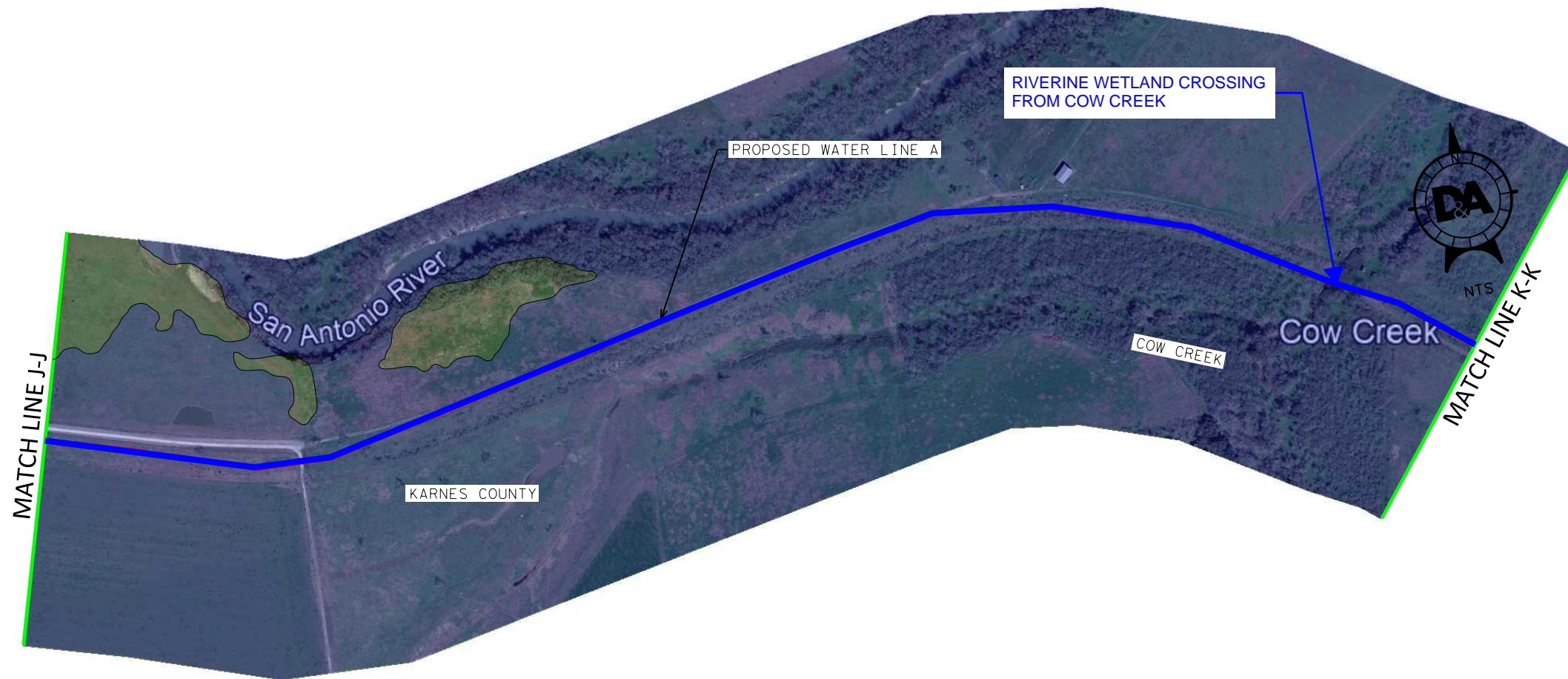
KENEDY WATER LINE  
OVERALL PROJECT  
LIMITS EXHIBIT

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PROJECT: 2206-001	SHEET NO.
HORIZ. SCALE: N/A	6
VERT. SCALE: N/A	OF 15
FILE:	



TIME: 11:26:07 AM  
DATE: 10/4/2022  
FILE PATH:



#### LEGEND

	EX. ROW
	EX. PARCEL
	PRO. 30" WATER LINE A
	PRO. WATER LINE B
	PRO. 12" WATER LINE C
	ZONE A - 1 PCT ANNUAL CHANCE FLOOD HAZARD
	ZONE AE - 1 PCT ANNUAL CHANCE FLOOD HAZARD
	0.2 PCT ANNUAL CHANCE FLOOD HAZARD
	FLOODWAY

NOTE: THE MAJORITY OF THE PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.

DATE: OCTOBER 7, 2022

#### KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

**DA DOUCET  
& ASSOCIATES**

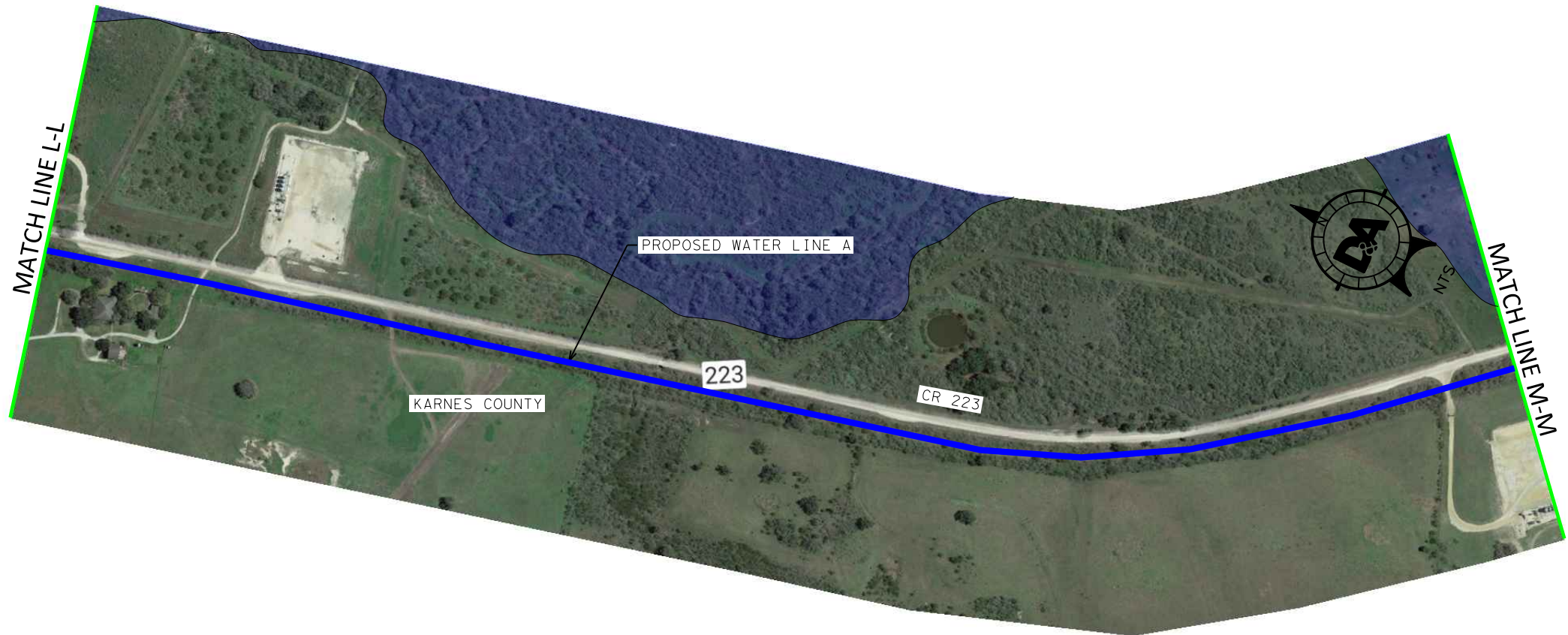
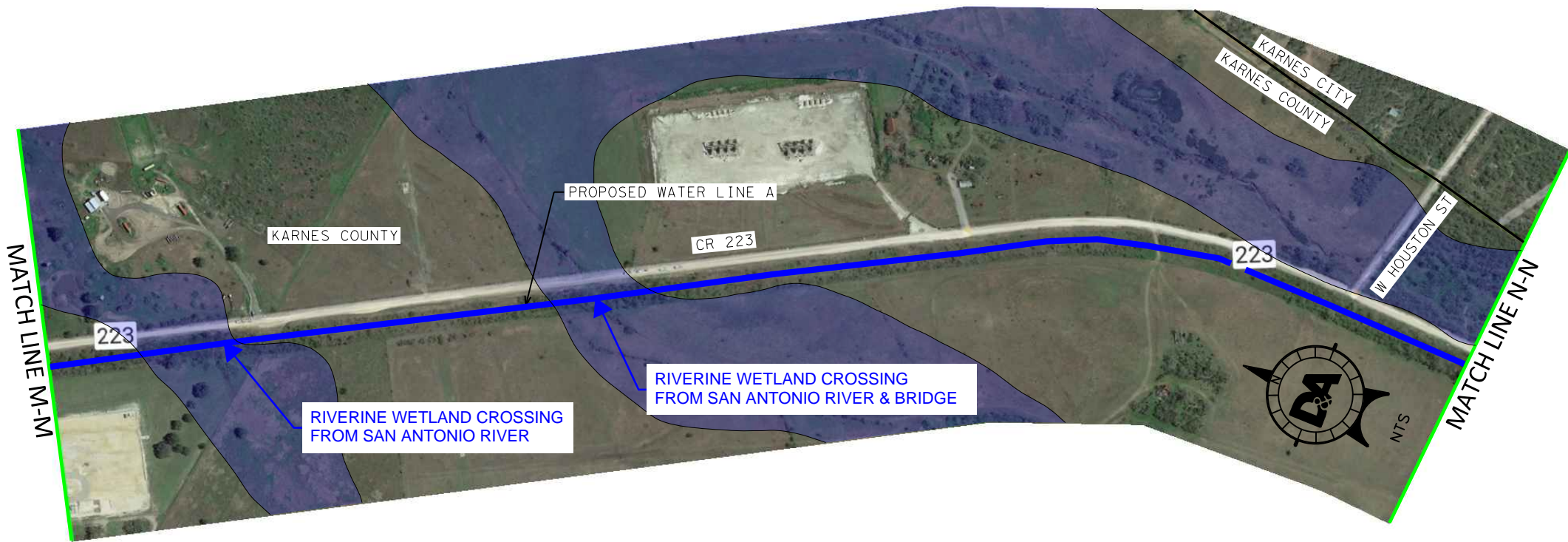
Civil Engineering - Planning - Geospatial  
7401 B. Highway 71 W, Suite 160  
Austin, Texas 78735, Phone: (512)-583-2600  
www.DoucetEngineers.com  
Firm Registration Number: 3937

PROJECT: 2206-001  
HORIZ. SCALE: N/A  
VERT. SCALE: N/A  
FILE:

SHEET NO.  
7  
OF 15



TIME: 11:26:09 AM  
DATE: 10/4/2022  
FILE PATH:



#### LEGEND

- EX. ROW
- EX. PARCEL
- PRO. 30" WATER LINE A
- PRO. WATER LINE B
- PRO. 12" WATER LINE C
- ZONE A - 1 PCT ANNUAL CHANCE FLOOD HAZARD
- ZONE AE - 1 PCT ANNUAL CHANCE FLOOD HAZARD
- 0.2 PCT ANNUAL CHANCE FLOOD HAZARD
- FLOODWAY

NOTE: THE MAJORITY OF THE PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.

DATE: OCTOBER 7, 2022

#### KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

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Firm Registration Number: 3937

PROJECT: 2206-001

HORIZ. SCALE: N/A

VERT. SCALE: N/A

FILE:

SHEET NO.

8

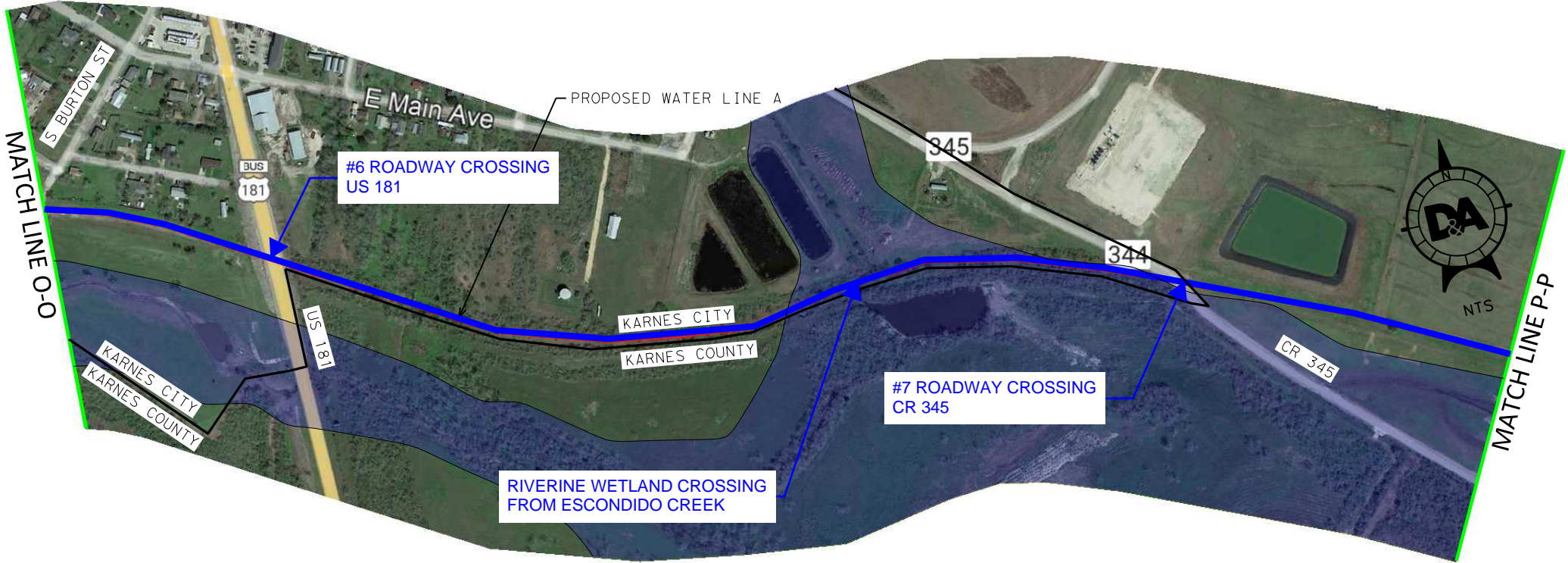
OF 15



LEGEND

- EX. ROW
- EX. PARCEL
- PRO. 30" WATER LINE A
- PRO. WATER LINE B
- PRO. 12" WATER LINE C
- ZONE A - 1 PCT ANNUAL CHANCE FLOOD HAZARD
- ZONE AE - 1 PCT ANNUAL CHANCE FLOOD HAZARD
- 0.2 PCT ANNUAL CHANCE FLOOD HAZARD
- FLOODWAY

NOTE: THE MAJORITY OF THE PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.



DATE: OCTOBER 7, 2022

KENEDY WATER LINE  
OVERALL PROJECT  
LIMITS EXHIBIT

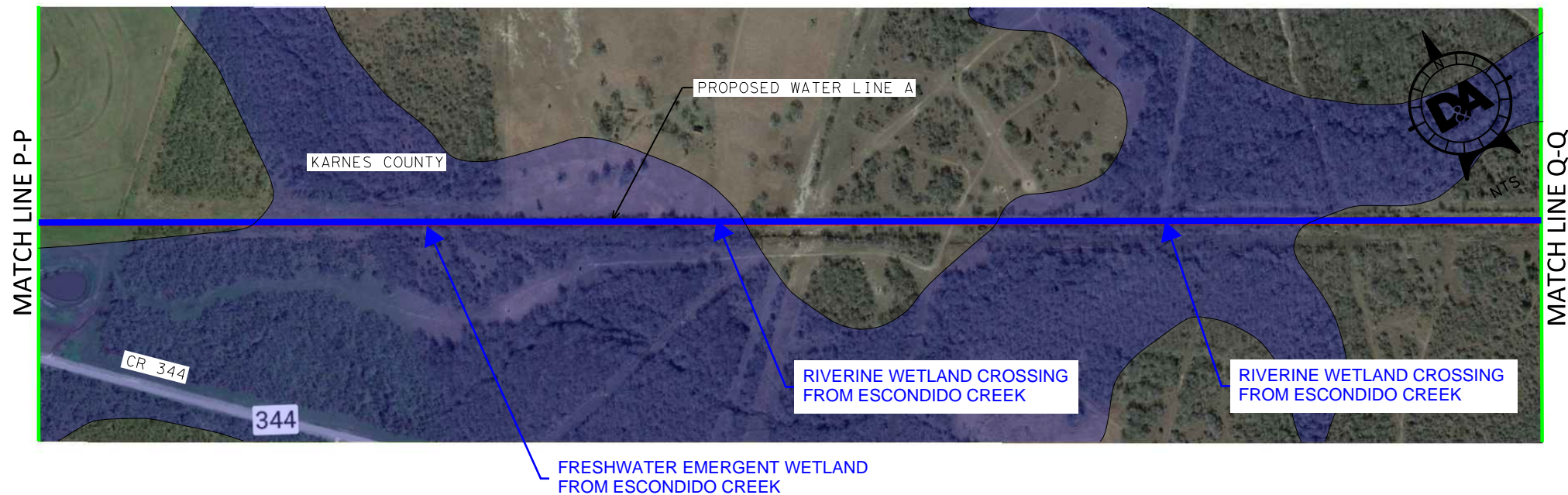
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Firm Registration Number: 3937

PROJECT: 2206-001	SHEET NO.
HORIZ. SCALE: N/A	9
VERT. SCALE: N/A	OF 15
FILE:	



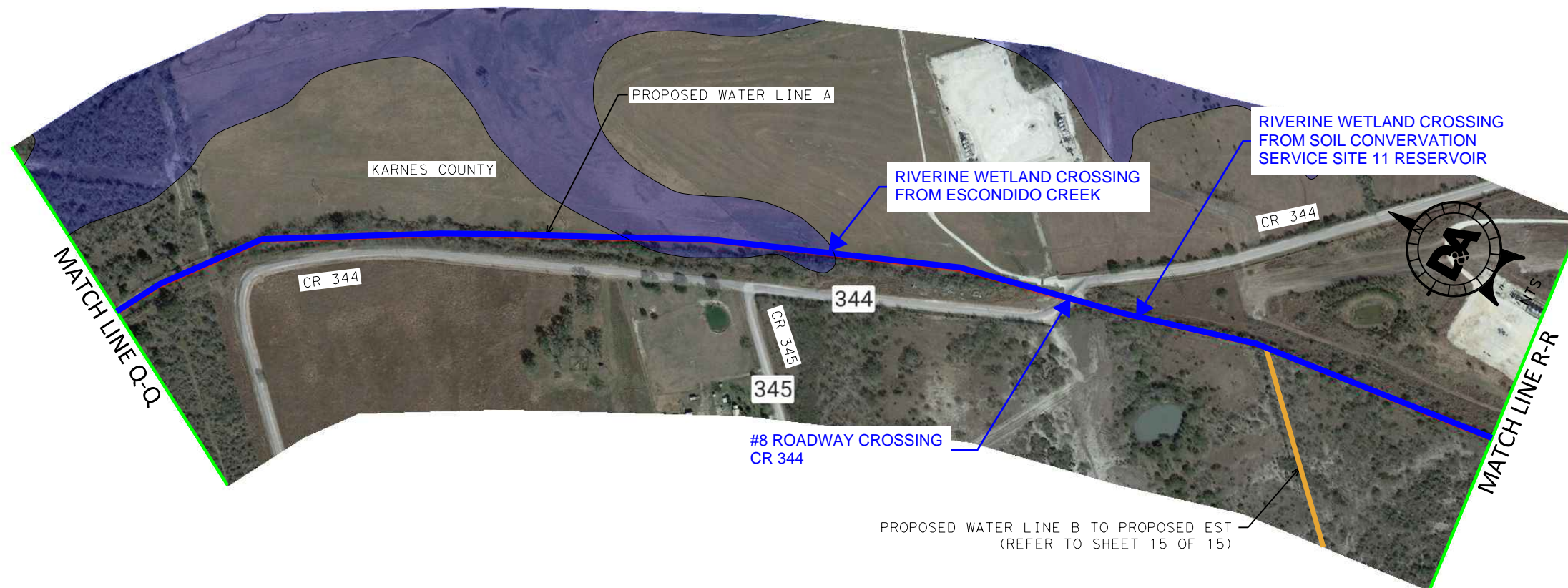
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DATE: 10/4/2022  
FILE PATH:



#### LEGEND

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---	EX. PARCEL
---	PRO. 30" WATER LINE A
---	PRO. WATER LINE B
---	PRO. 12" WATER LINE C
---	ZONE A - 1 PCT ANNUAL CHANCE FLOOD HAZARD
---	ZONE AE - 1 PCT ANNUAL CHANCE FLOOD HAZARD
---	0.2 PCT ANNUAL CHANCE FLOOD HAZARD
---	FLOODWAY

NOTE: THE MAJORITY OF THE PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.



DATE: OCTOBER 7, 2022

#### KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

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Firm Registration Number: 3937

PROJECT: 2206-001

HORIZ. SCALE: N/A

VERT. SCALE: N/A

FILE:

SHEET NO.

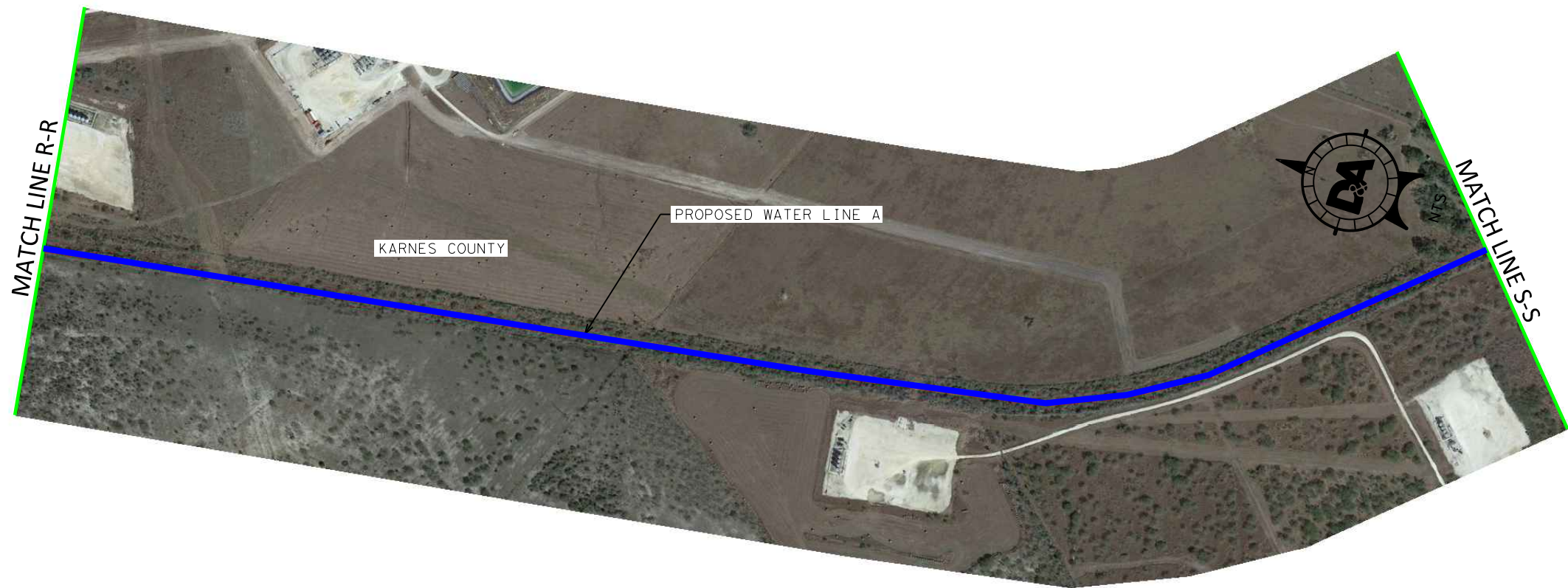
10

OF

15



TIME: 11:26:18 AM  
DATE: 10/4/2022  
FILE PATH:



# LEGEND

	EX. ROW
	EX. PARCEL
	PRO. 30" WATER LINE A
	PRO. WATER LINE B
	PRO. 12" WATER LINE C
	ZONE A - 1 PCT ANNUAL CHANCE FLOOD HAZARD
	ZONE AE - 1 PCT ANNUAL CHANCE FLOOD HAZARD
	0.2 PCT ANNUAL CHANCE FLOOD HAZARD
	FLOODWAY

NOTE: THE MAJORITY OF THE PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.

DATE: OCTOBER 7, 2022

## KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

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Firm Registration Number: 3937

PROJECT: 2206-001

HORIZ. SCALE: N/A

VERT. SCALE: N/A

FILE:

SHEET NO.

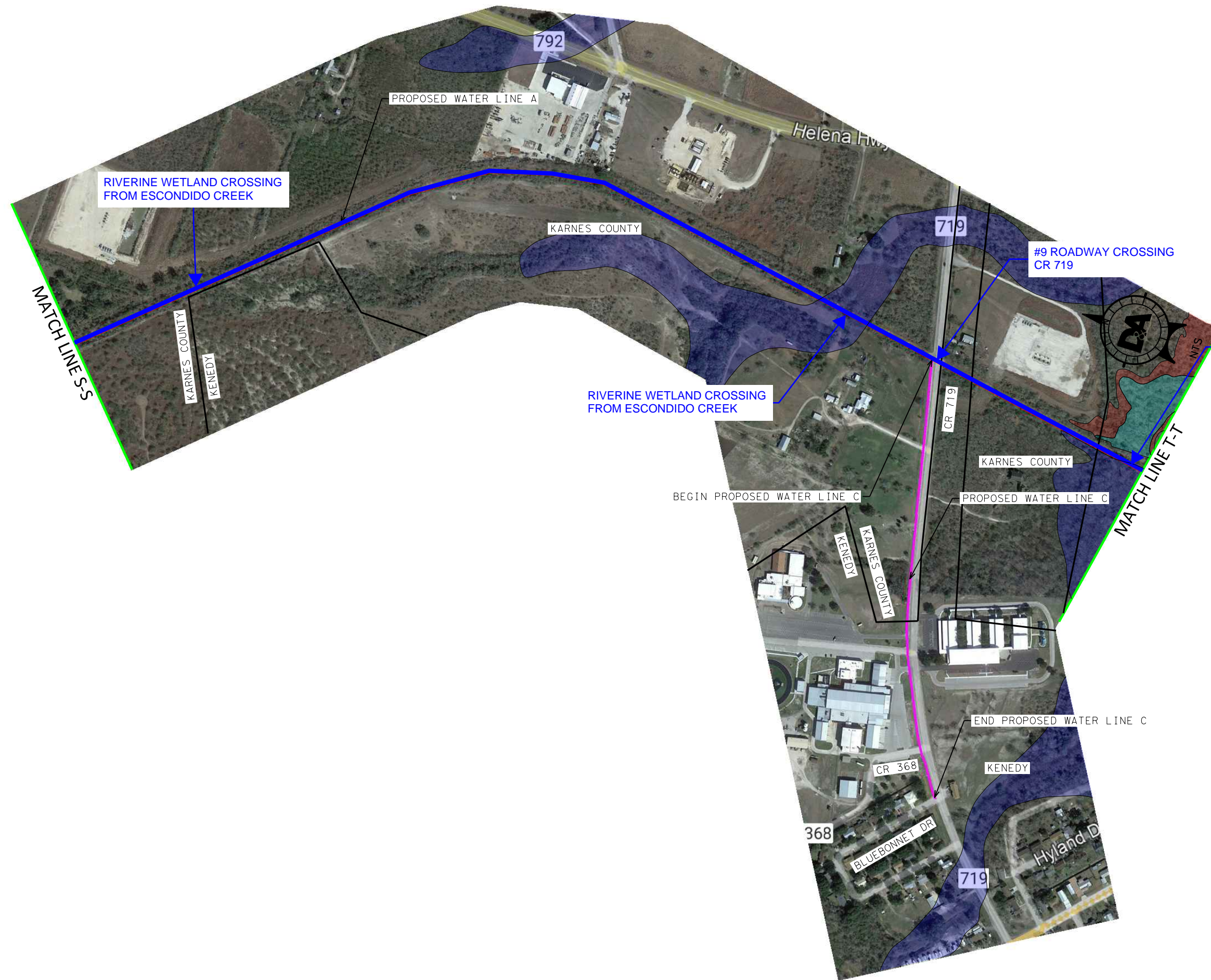
11

OF

15



TIME: 11:26:20 AM  
DATE: 10/4/2022  
FILE PATH:



# LEGEND

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- EX. PARCEL
- PRO. 30" WATER LINE A
- PRO. WATER LINE B
- PRO. 12" WATER LINE C
- ZONE A - 1 PCT ANNUAL CHANCE FLOOD HAZARD
- ZONE AE - 1 PCT ANNUAL CHANCE FLOOD HAZARD
- 0.2 PCT ANNUAL CHANCE FLOOD HAZARD
- FLOODWAY

NOTE: THE MAJORITY OF THE PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.

RIVERINE WETLAND CROSSING FROM ESCONDIDO CREEK (SEE NEXT SHEET)

DATE: OCTOBER 7, 2022

## KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

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Firm Registration Number: 3937

PROJECT: 2206-001  
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VERT. SCALE: N/A  
FILE:

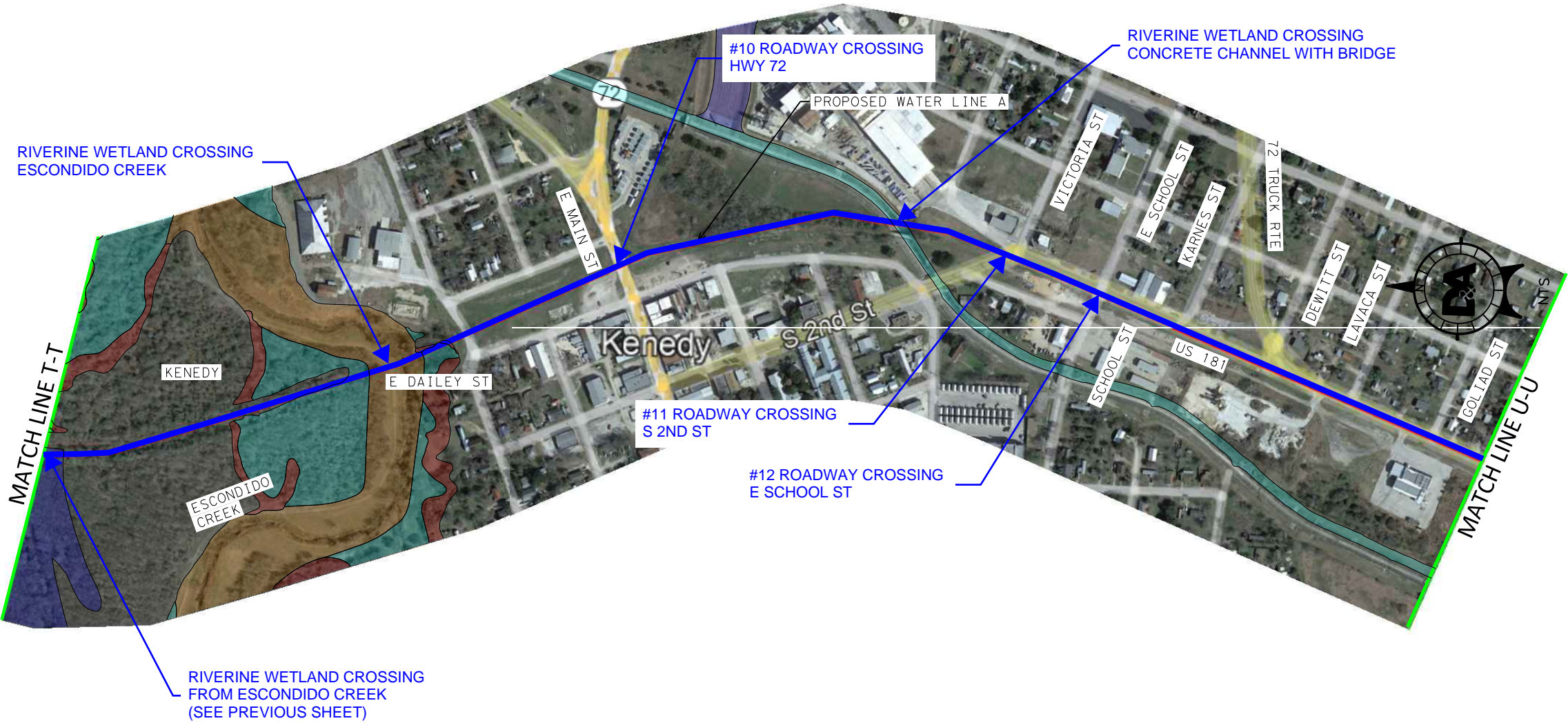
SHEET NO.  
12  
OF 15



LEGEND

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	EX. PARCEL
	PRO. 30" WATER LINE A
	PRO. WATER LINE B
	PRO. 12" WATER LINE C
	ZONE A - 1 PCT ANNUAL CHANCE FLOOD HAZARD
	ZONE AE - 1 PCT ANNUAL CHANCE FLOOD HAZARD
	0.2 PCT ANNUAL CHANCE FLOOD HAZARD
	FLOODWAY

NOTE: THE MAJORITY OF THE PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.



DATE: OCTOBER 7, 2022

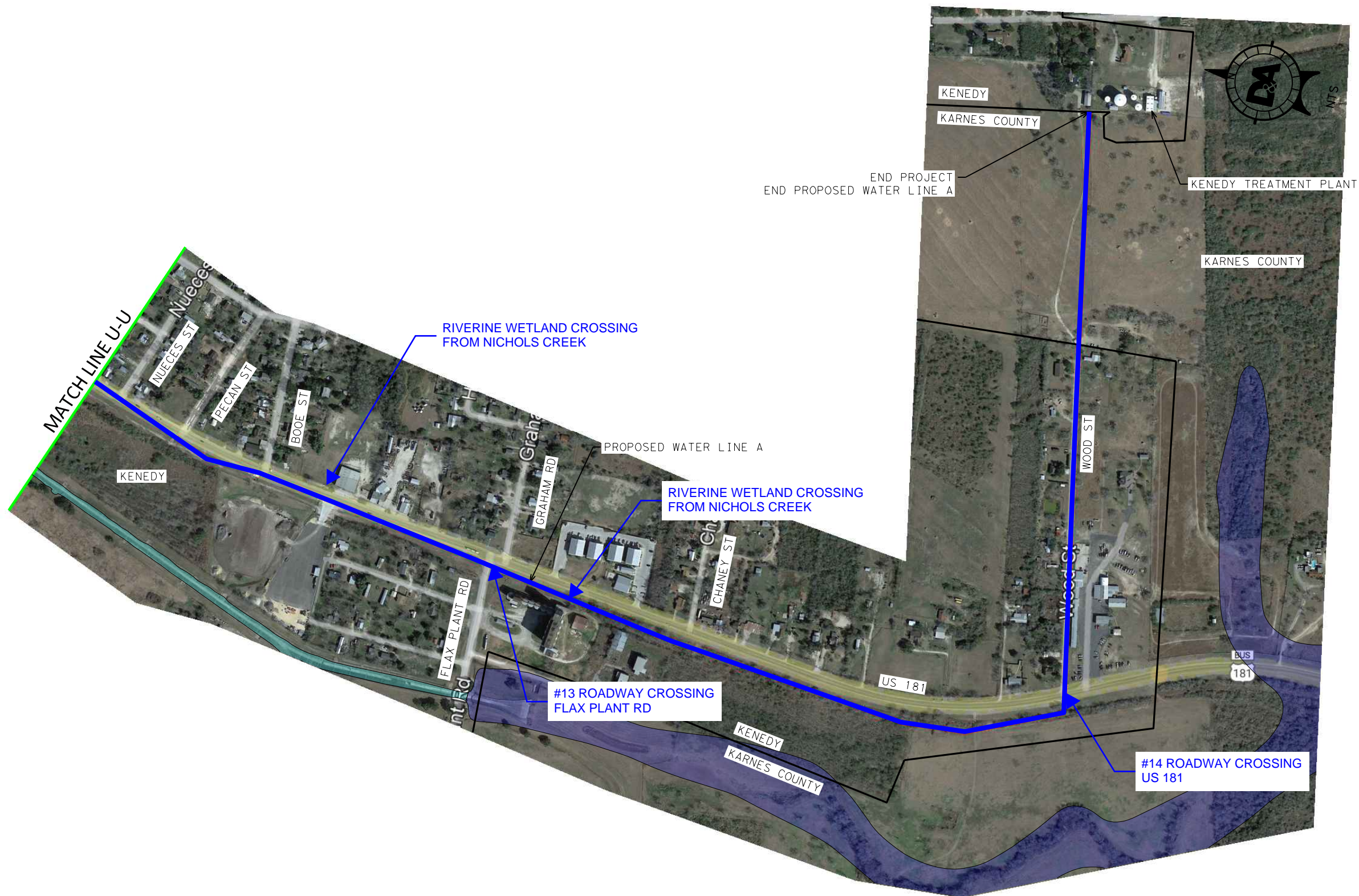
KENEDY WATER LINE  
OVERALL PROJECT  
LIMITS EXHIBIT

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PROJECT: 2206-001	SHEET NO.
HORIZ. SCALE: N/A	13
VERT. SCALE: N/A	OF 15
FILE:	



TIME: 11:26:25 AM  
DATE: 10/4/2022  
FILE PATH:



LEGEND

- EX. ROW
- EX. PARCEL
- PRO. 30" WATER LINE A
- PRO. WATER LINE B
- PRO. 12" WATER LINE C
- ZONE A - 1 PCT ANNUAL CHANCE FLOOD HAZARD
- ZONE AE - 1 PCT ANNUAL CHANCE FLOOD HAZARD
- 0.2 PCT ANNUAL CHANCE FLOOD HAZARD
- FLOODWAY

NOTE: THE MAJORITY OF THE PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.

DATE: OCTOBER 7, 2022

KENEY WATER LINE  
OVERALL PROJECT  
LIMITS EXHIBIT

**DA DOUCET & ASSOCIATES**

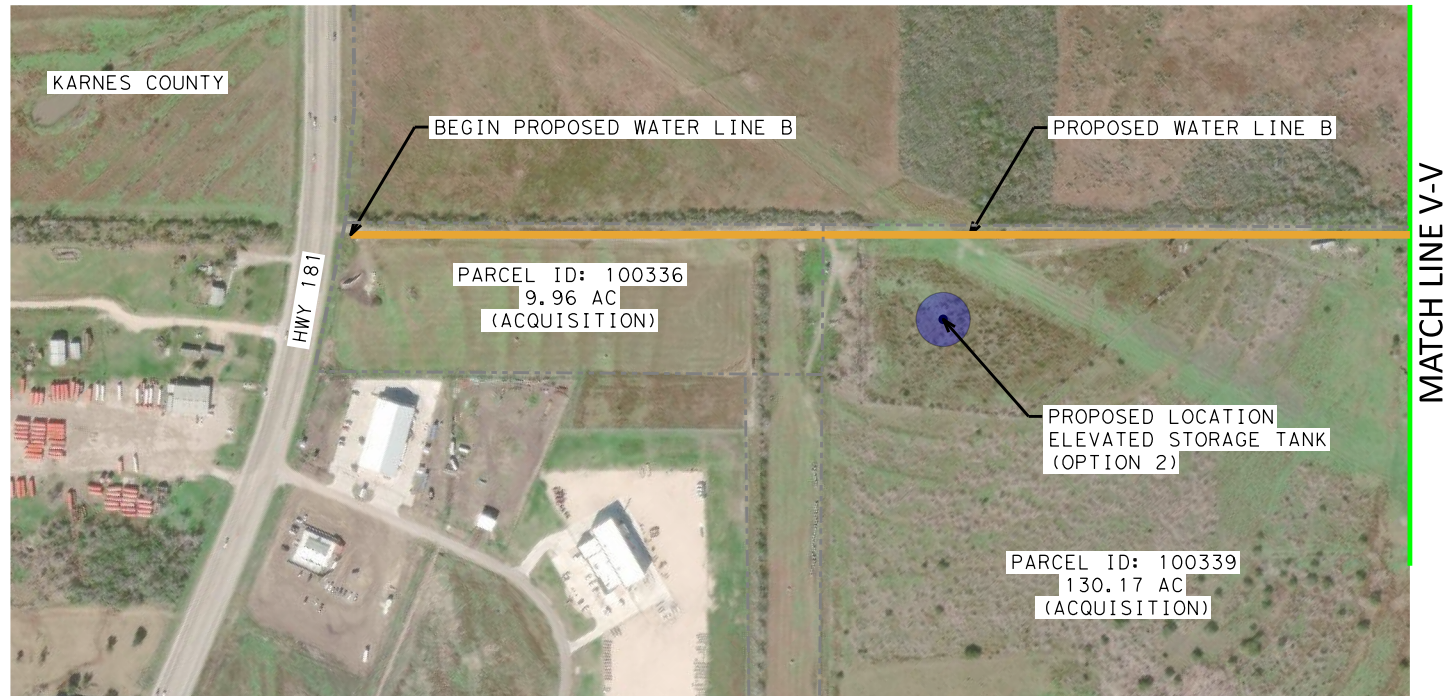
Civil Engineering - Planning - Geospatial  
7401 B. Highway 71 W, Suite 160  
Austin, Texas 78735, Phone: (512)-583-2600  
www.DoucetEngineers.com  
Firm Registration Number: 3937

PROJECT: 2206-001  
HORIZ. SCALE: N/A  
VERT. SCALE: N/A  
FILE:

SHEET NO.  
14  
OF 15



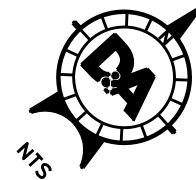
TIME: 12:36:33 PM  
DATE: 10/4/2022  
FILE PATH:



#### LEGEND

	EX. ROW
	EX. PARCEL
	PRO. 30" WATER LINE A
	PRO. WATER LINE B
	PRO. 12" WATER LINE C
	ZONE A - 1 PCT ANNUAL CHANCE FLOOD HAZARD
	ZONE AE - 1 PCT ANNUAL CHANCE FLOOD HAZARD
	0.2 PCT ANNUAL CHANCE FLOOD HAZARD
	FLOODWAY

NOTE: THE MAJORITY OF THE PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.



DATE: OCTOBER 7, 2022

#### KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

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& ASSOCIATES**

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PROJECT: 2206-001	SHEET NO.
HORIZ. SCALE: N/A	15
VERT. SCALE: N/A	OF 15
FILE:	



TIME: \$TIME\$  
DATE: \$DATE\$  
FILE PATH: pw://doucet-pw.bentley.com/doucet-pw-01/Documents/Active/Projects/2206-001/60.08space;CADDspace;Engineering/60.22space;Conceptual/60.22space;Exhibit/2206001-PROJ

BEGIN PROJECT  
BEGIN PROPOSED WATER LINE B

5/10/22

### ROADWAY CROSSINGS

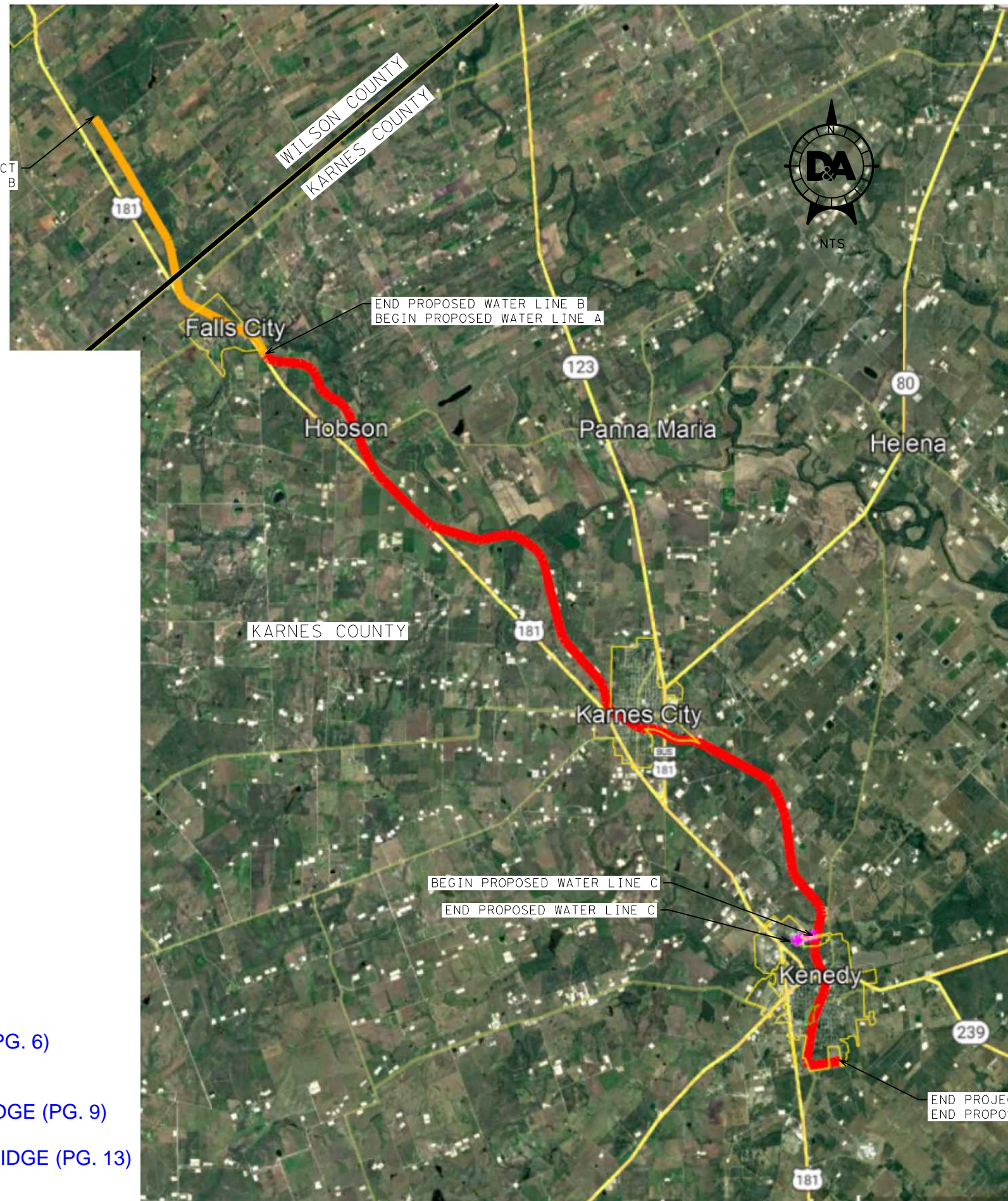
- 1) CR 887 (PG. 3)
- 2) CR 81 (PG. 5)
- 3) US 181 (PG. 9)
- 4) S PANNA MARIA AVE (PG. 9)
- 5) S BROWNE ST (PG. 9)
- 6) US 181 (PG. 9)
- 7) CR 345 (PG. 9)
- 8) CR 344 (PG. 10)
- 9) CR 719 (PG. 12)
- 10) HWY 72 (PG. 13)
- 11) S 2ND ST (PG. 13)
- 12) E SCHOOL ST (PG. 13)
- 13) FLAX PLANT RD (PG. 14)
- 14) US 181 (PG. 14)

### RIVER & CREEK CROSSINGS

- 1) SAN ANTONIO RIVER (PG. 4)
- 2) COW CREEK (PG. 7)
- 3) ESCONDIDO CREEK (PG. 13)

### WATERWAY CROSSINGS

- 1) POTENTIAL STREAM (PG. 4)
- 2) POTENTIAL STREAM (PG. 6)
- 3) POND & POTENTIAL STREAM (PG. 6)
- 4) POTENTIAL STREAM (PG. 7)
- 5) POTENTIAL STREAM (PG. 8)
- 6) POTENTIAL STREAM WITH BRIDGE (PG. 9)
- 7) POTENTIAL STREAM (PG. 12)
- 8) CONCRETE CHANNEL WITH BRIDGE (PG. 13)



TOTAL LINEAR FOOTAGE OF WATERLINE  
PER KMZ FILE IS 127,953 LF / 24.2 MI  
PROPOSED WATER LINE A: 97,441 LF  
PROPOSED WATER LINE B: 28,123 LF  
PROPOSED WATER LINE C: 2,389 LF

DATE: MARCH 15, 2022

### KENEDY WATER LINE PROJECT LIMITS

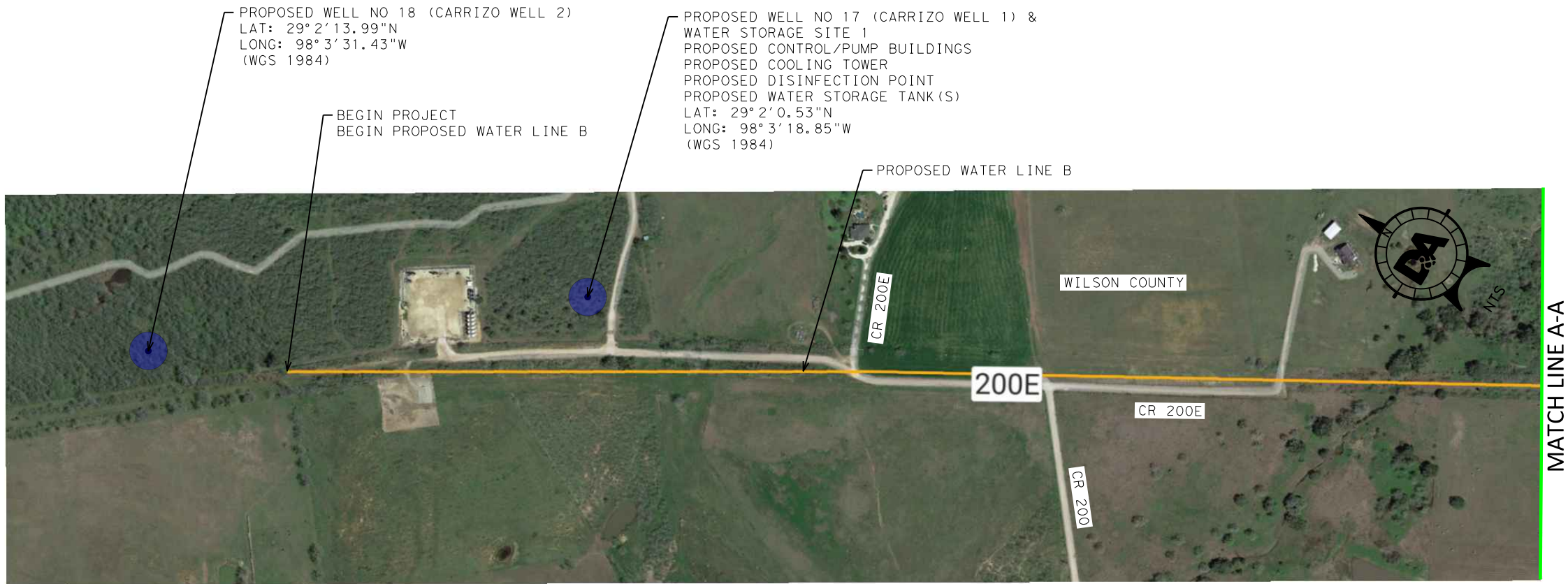
**DA DOUCET  
& ASSOCIATES**

Civil Engineering - Planning - Geospatial  
7401 B. Highway 71 W, Suite 160  
Austin, Texas 78735, Phone: (512)-583-2600  
www.DoucetEngineers.com  
Firm Registration Number: 3937

PROJECT: 2206-001	SHEET NO.
HORIZ. SCALE: N/A	1
VERT. SCALE: N/A	OF 14
FILE: \$FILES\$	



TIME: 11:26:49 AM  
DATE: 3/28/2022  
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LEGEND	
	EX. ROW
	EX. PARCEL
	PRO. 24\"/30\" WATER LINE A
	PRO. 24\"/30\" WATER LINE B
	PRO. 12\" WATER LINE C

NOTE: PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.



DATE: MARCH 15, 2022

KENEDY WATER LINE  
OVERALL PROJECT  
LIMITS EXHIBIT

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Austin, Texas 78735, Phone: (512)-583-2600  
www.DoucetEngineers.com  
Firm Registration Number: 3937

PROJECT: 2206-001

HORIZ. SCALE: N/A

VERT. SCALE: N/A

FILE: 2206001-PROJ-LAYOUT-EXHIBIT.dgn

SHEET NO.

2

14



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LEGEND

- EX. ROW
- EX. PARCEL
- PRO. 24"/30" WATER LINE A
- PRO. 24"/30" WATER LINE B
- PRO. 12" WATER LINE C

NOTE: PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.

DATE: MARCH 15, 2022

KENEDY WATER LINE  
OVERALL PROJECT  
LIMITS EXHIBIT

**DA DOUCET  
& ASSOCIATES**

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7401 B. Highway 71 W, Suite 160  
Austin, Texas 78735, Phone: (512)-583-2600  
www.DoucetEngineers.com  
Firm Registration Number: 3937

PROJECT: 2206-001

HORIZ. SCALE: N/A

VERT. SCALE: N/A

FILE: 2206001-PROJ-LAYOUT-EXH 3902.dgn

SHEET NO.

3

14



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#### LEGEND

---	EX. ROW
---	EX. PARCEL
---	PRO. 24"/30" WATER LINE A
---	PRO. 24"/30" WATER LINE B
---	PRO. 12" WATER LINE C

NOTE: PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.

DATE: MARCH 15, 2022

#### KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

**DA DOUCET  
& ASSOCIATES**

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Austin, Texas 78735, Phone: (512)-583-2600  
www.DoucetEngineers.com  
Firm Registration Number: 3937

PROJECT: 2206-001

HORIZ. SCALE: N/A

VERT. SCALE: N/A

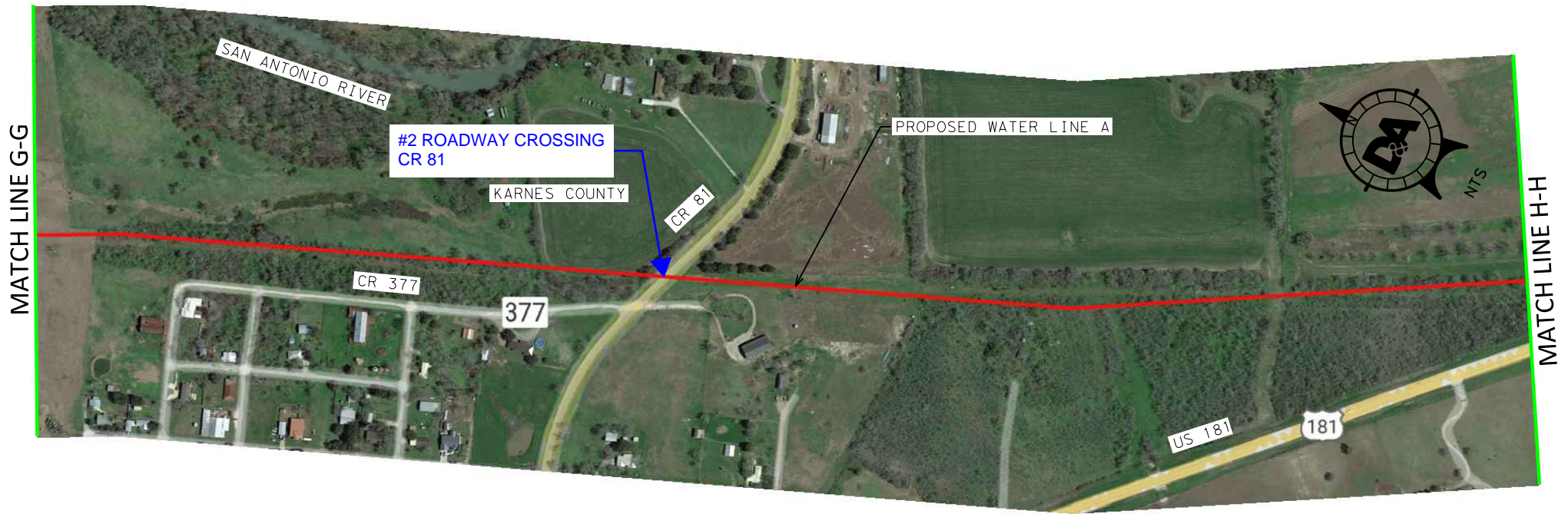
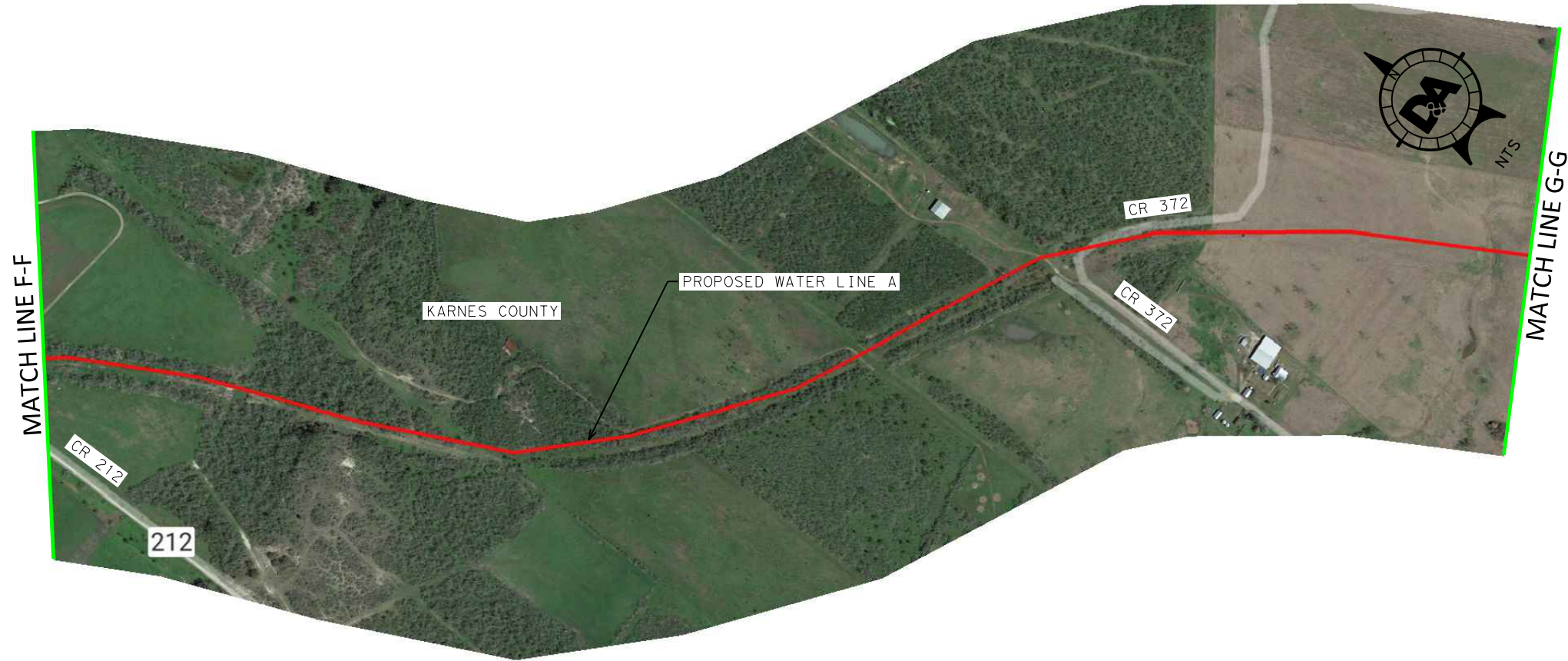
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LEGEND

- EX. ROW
- EX. PARCEL
- PRO. 24"/30" WATER LINE A
- PRO. 24"/30" WATER LINE B
- PRO. 12" WATER LINE C

NOTE: PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.

DATE: MARCH 15, 2022

KENEDY WATER LINE  
OVERALL PROJECT  
LIMITS EXHIBIT

**DA DOUCET & ASSOCIATES**

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Austin, Texas 78735, Phone: (512)-583-2600  
www.DoucetEngineers.com  
Firm Registration Number: 3937

PROJECT: 2206-001

HORIZ. SCALE: N/A

VERT. SCALE: N/A

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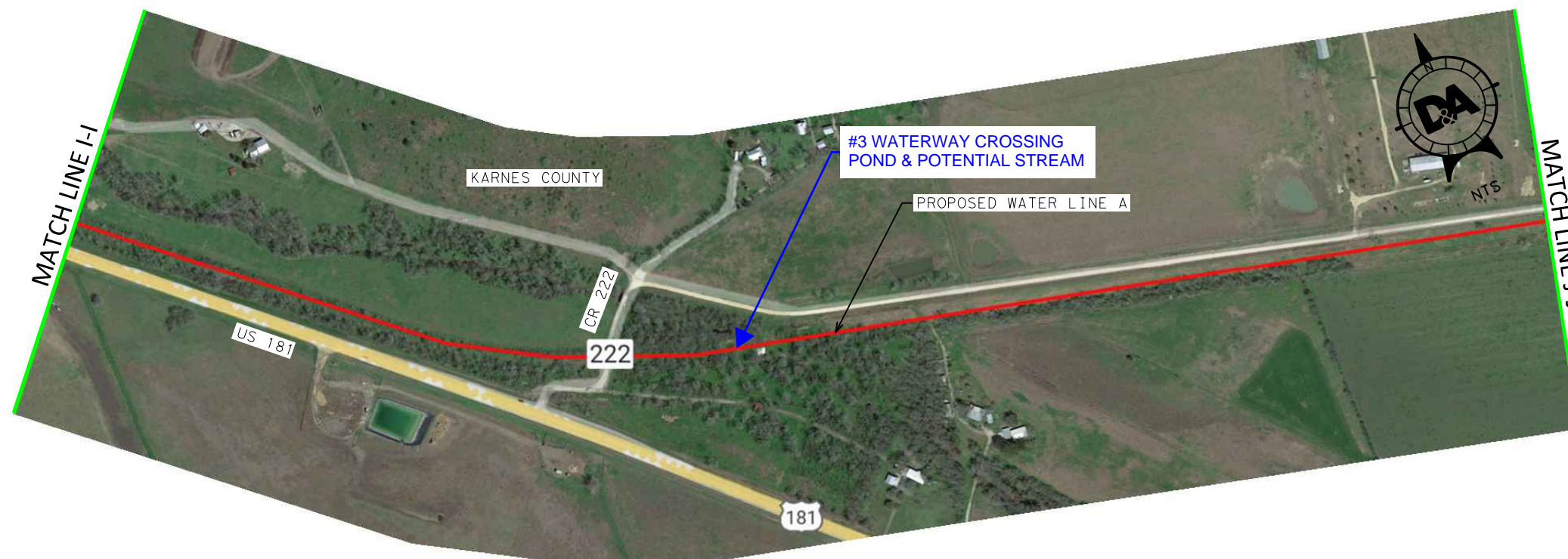
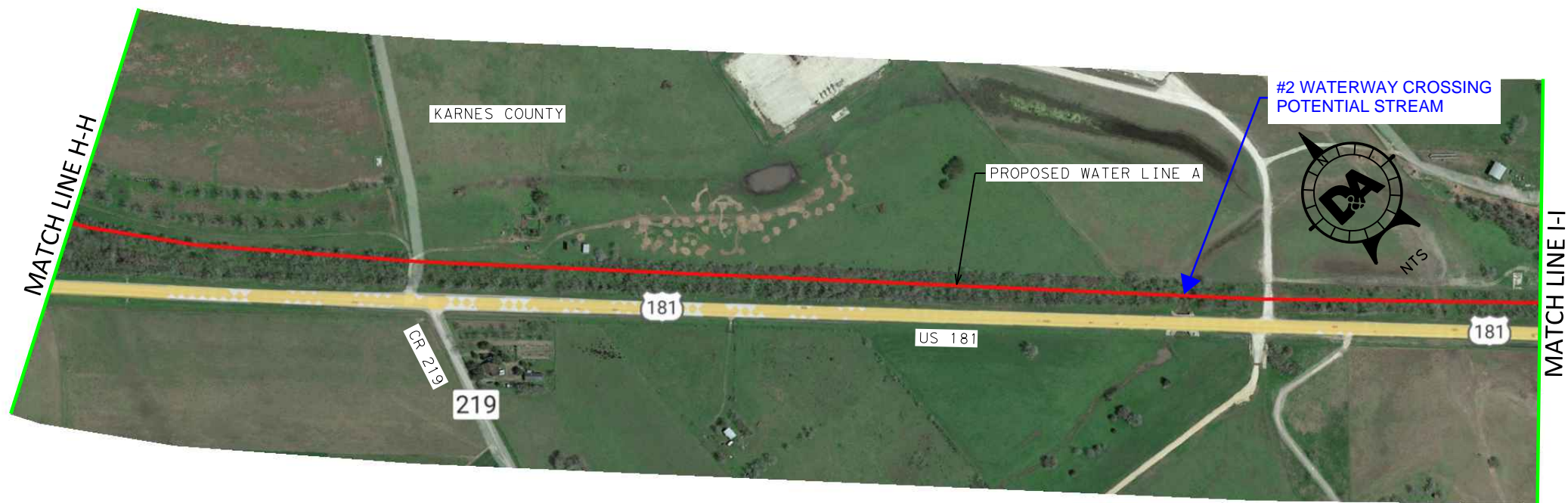
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5

14



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## LEGEND

---	EX. ROW
---	EX. PARCEL
---	PRO. 24"/30" WATER LINE A
---	PRO. 24"/30" WATER LINE B
---	PRO. 12" WATER LINE C

NOTE: PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.

DATE: MARCH 15, 2022

## KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

**DA DOUCET  
& ASSOCIATES**

Civil Engineering - Planning - Geospatial  
7401 B. Highway 71 W, Suite 160  
Austin, Texas 78735, Phone: (512)-583-2600  
www.DoucetEngineers.com  
Firm Registration Number: 3937

PROJECT: 2206-001

HORIZ. SCALE: N/A

VERT. SCALE: N/A

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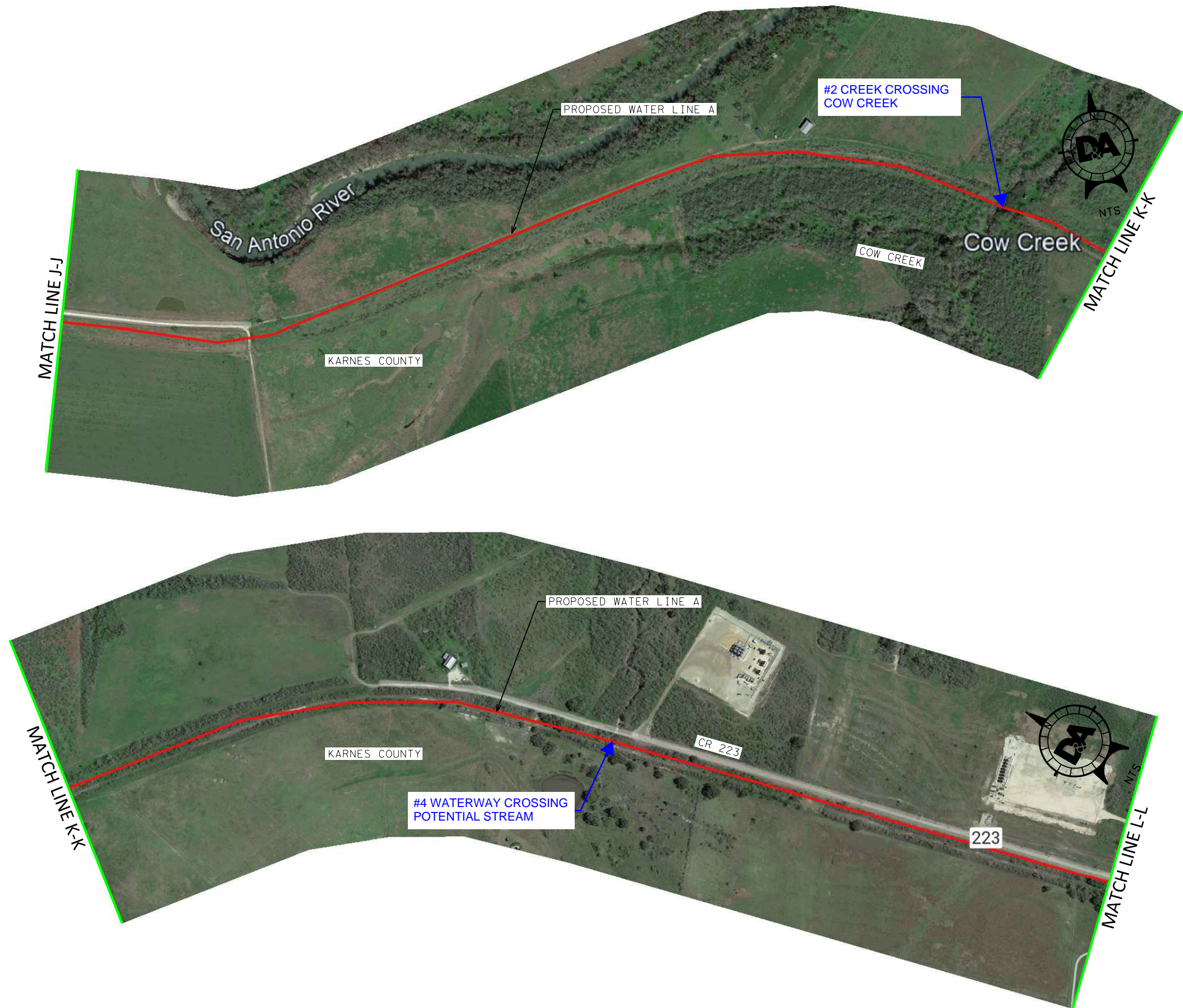
SHEET NO.

6

14



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#### LEGEND

---	EX. ROW
---	EX. PARCEL
---	PRO. 24"/30" WATER LINE A
---	PRO. 24"/30" WATER LINE B
---	PRO. 12" WATER LINE C

NOTE: PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.

DATE: MARCH 15, 2022

#### KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

**D&A DOUCET  
& ASSOCIATES**

Civil Engineering - Planning - Geospatial  
7401 B. Highway 71 W, Suite 160  
Austin, Texas 78735, Phone: (512)-583-2600  
www.DoucetEngineers.com  
Firm Registration Number: 3937

PROJECT: 2206-001

HORIZ. SCALE: N/A

VERT. SCALE: N/A

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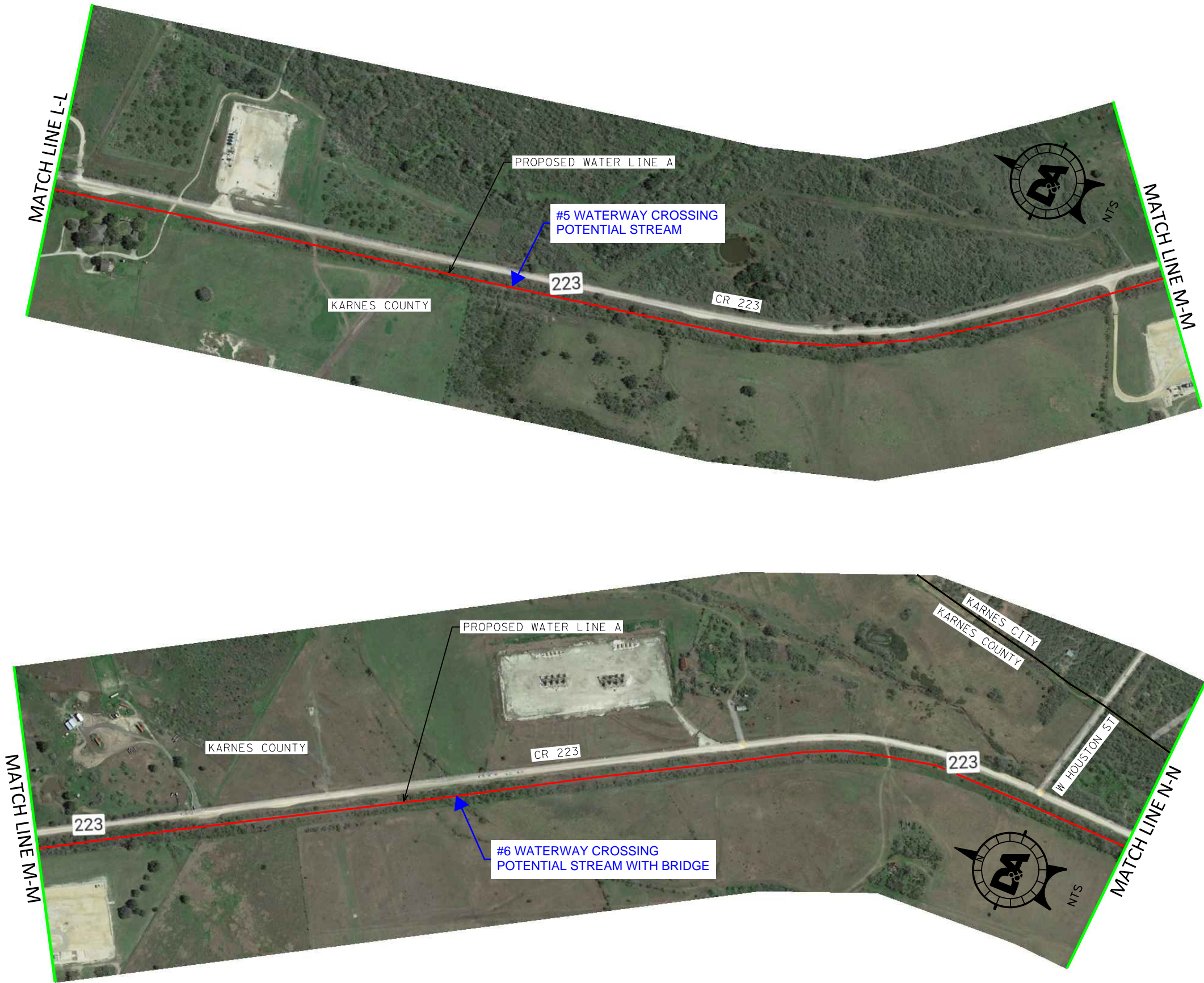
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7

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#### LEGEND

- EX. ROW
- EX. PARCEL
- PRO. 24"/30" WATER LINE A
- PRO. 24"/30" WATER LINE B
- PRO. 12" WATER LINE C

NOTE: PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.

DATE: MARCH 15, 2022

#### KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

**DA DOUCET  
& ASSOCIATES**

Civil Engineering - Planning - Geospatial  
7401 B. Highway 71 W, Suite 160  
Austin, Texas 78735, Phone: (512)-583-2600  
www.DoucetEngineers.com  
Firm Registration Number: 3937

PROJECT: 2206-001

HORIZ. SCALE: N/A

VERT. SCALE: N/A

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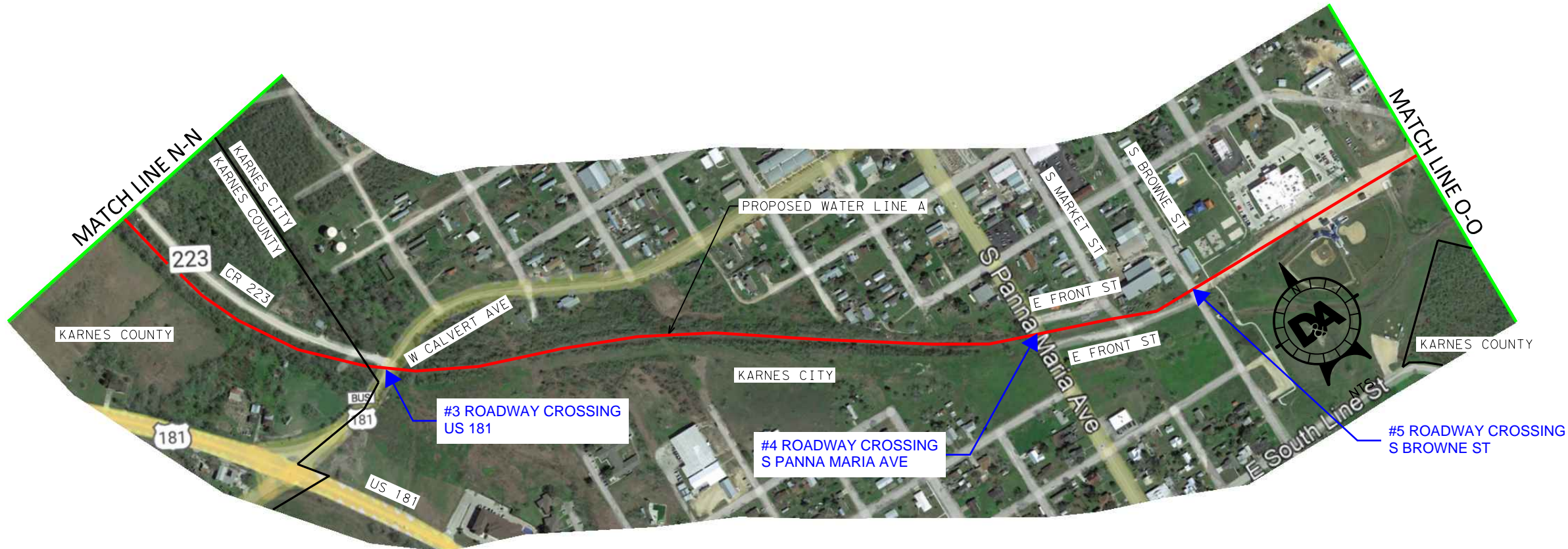
SHEET NO.

8

14

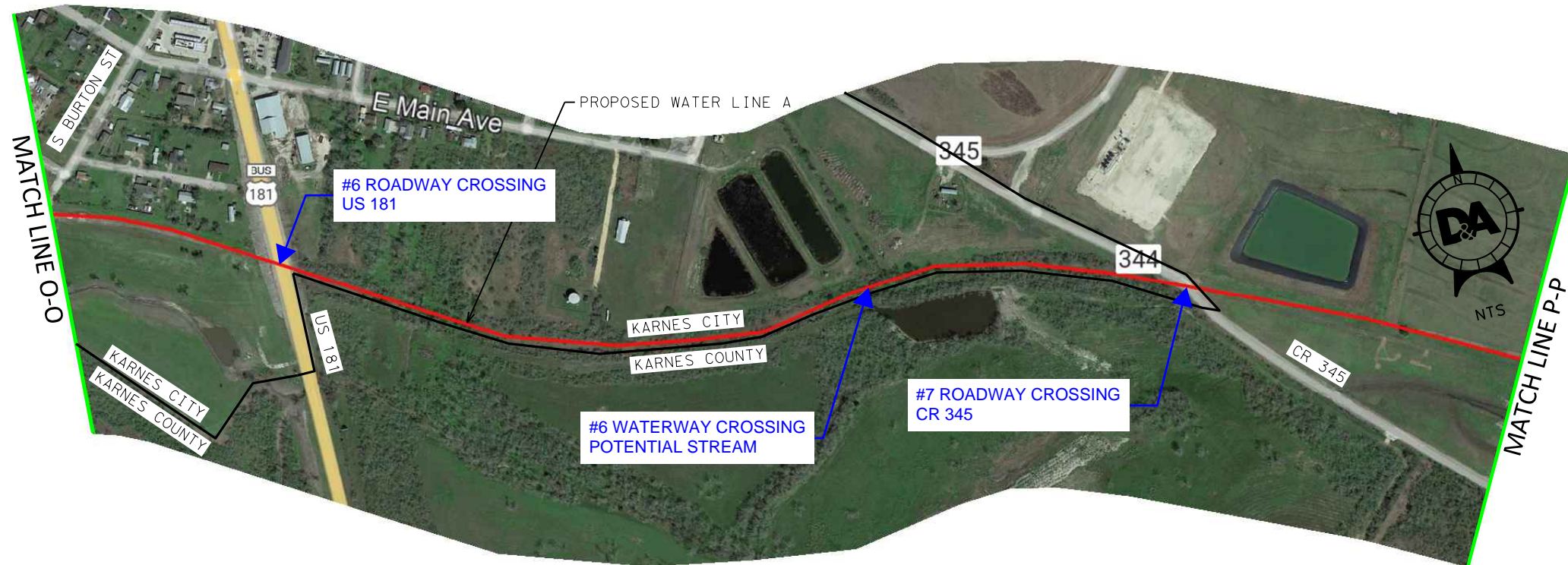


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LEGEND	
	EX. ROW
	EX. PARCEL
	PRO. 24"/30" WATER LINE A
	PRO. 24"/30" WATER LINE B
	PRO. 12" WATER LINE C

NOTE: PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.



DATE: MARCH 15, 2022

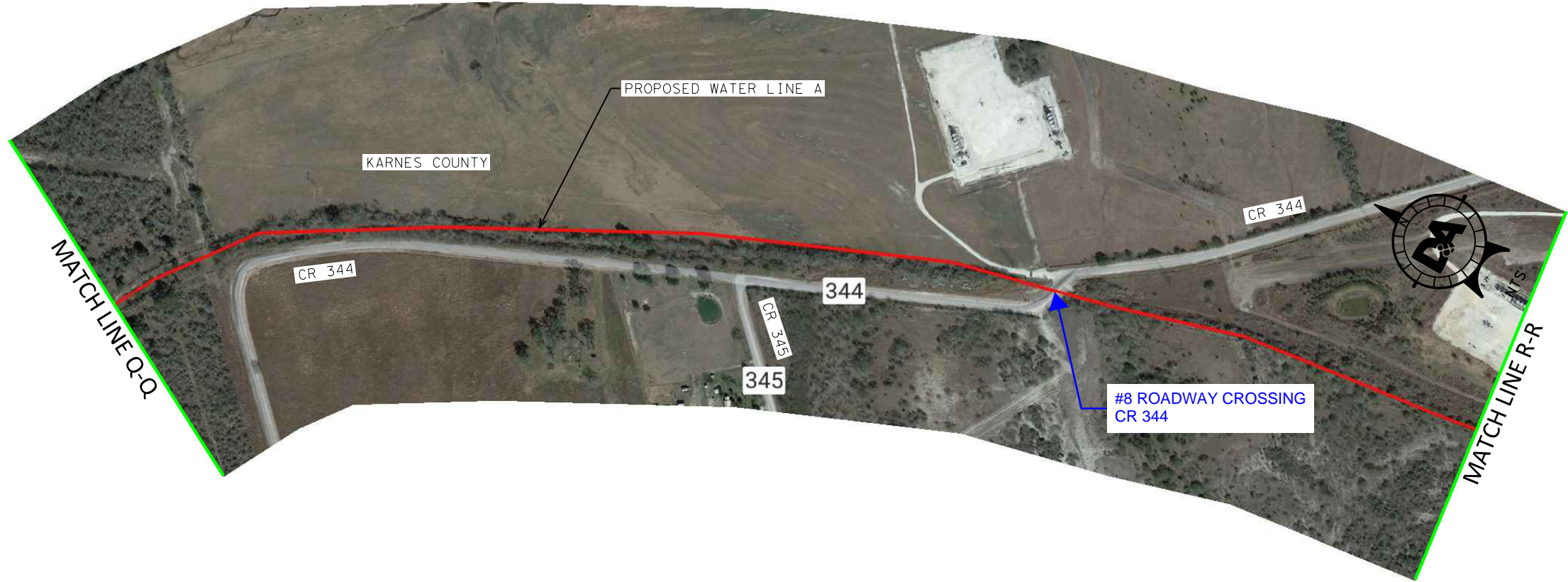
## KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

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7401 B. Highway 71 W, Suite 160  
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Firm Registration Number: 3937

PROJECT: 2206-001	SHEET NO.
HORIZ. SCALE: N/A	9
VERT. SCALE: N/A	14
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#### LEGEND

---	EX. ROW
---	EX. PARCEL
---	PRO. 24"/30" WATER LINE A
---	PRO. 24"/30" WATER LINE B
---	PRO. 12" WATER LINE C

NOTE: PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.

DATE: MARCH 15, 2022

#### KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

**DA DOUCET  
& ASSOCIATES**

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Firm Registration Number: 3937

PROJECT: 2206-001

HORIZ. SCALE: N/A

VERT. SCALE: N/A

FILE: 2206001-PROJ-LAYOUT-EXHIBIT.dgn

SHEET NO.

10

14



TIME: 11:27:15 AM  
DATE: 3/28/2022  
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LEGEND

---	EX. ROW
---	EX. PARCEL
---	PRO. 24"/30" WATER LINE A
---	PRO. 24"/30" WATER LINE B
---	PRO. 12" WATER LINE C

NOTE: PROPOSED WATER LINE IS  
TO BE CONSTRUCTED WITHIN  
ABANDONED UPRR ROW.

DATE: MARCH 15, 2022

KENEDY WATER LINE  
OVERALL PROJECT  
LIMITS EXHIBIT

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www.DoucetEngineers.com  
Firm Registration Number: 3937

PROJECT: 2206-001

HORIZ. SCALE: N/A

VERT. SCALE: N/A

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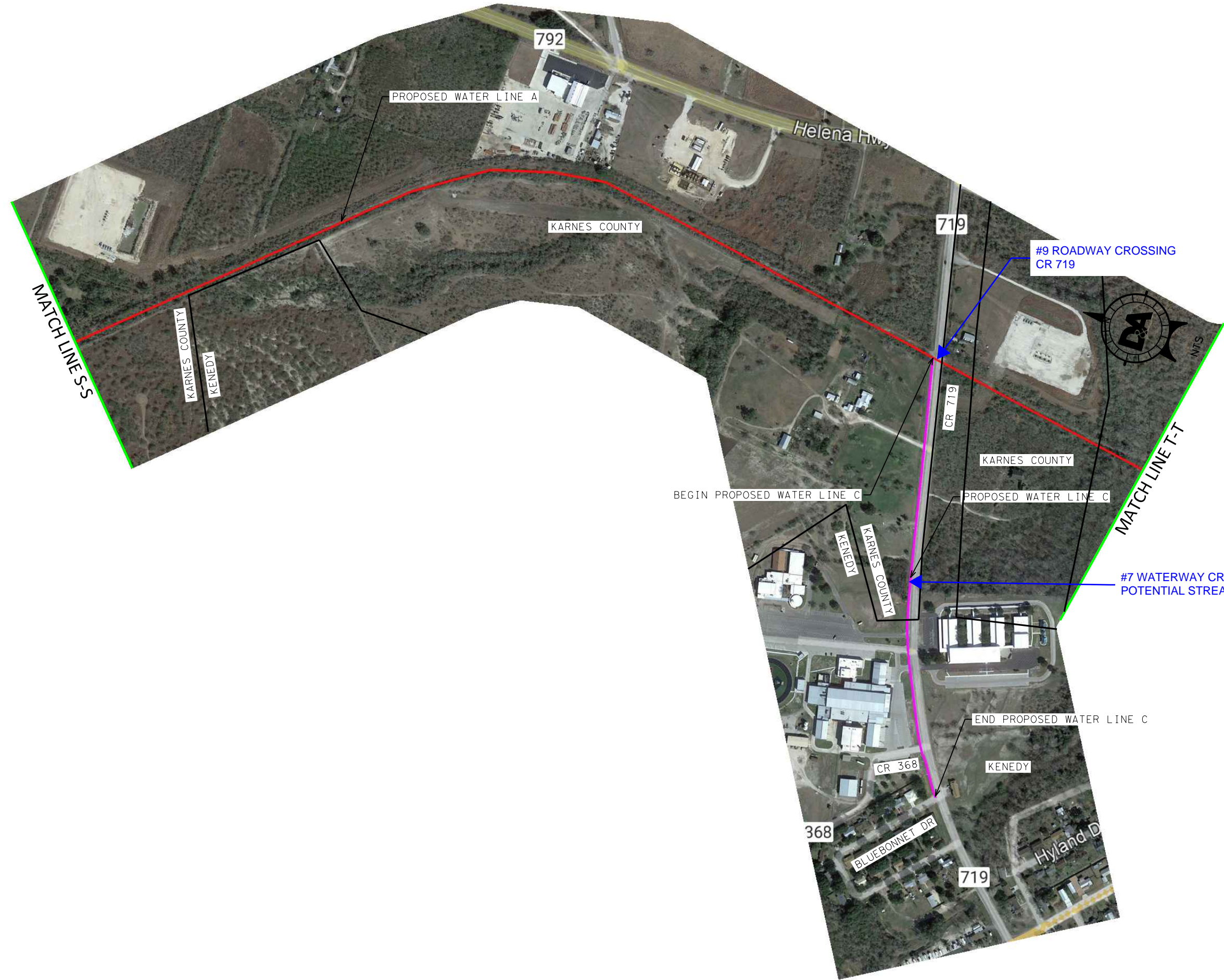
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11

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LEGEND

- EX. ROW
- EX. PARCEL
- PRO. 24"/30" WATER LINE A
- PRO. 24"/30" WATER LINE B
- PRO. 12" WATER LINE C

NOTE: PROPOSED WATER LINE IS TO BE CONSTRUCTED WITHIN ABANDONED UPRR ROW.

DATE: MARCH 15, 2022

KENEDY WATER LINE  
OVERALL PROJECT  
LIMITS EXHIBIT

**DA DOUCET  
& ASSOCIATES**

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www.DoucetEngineers.com  
Firm Registration Number: 3937

PROJECT: 2206-001

HORIZ. SCALE: N/A

VERT. SCALE: N/A

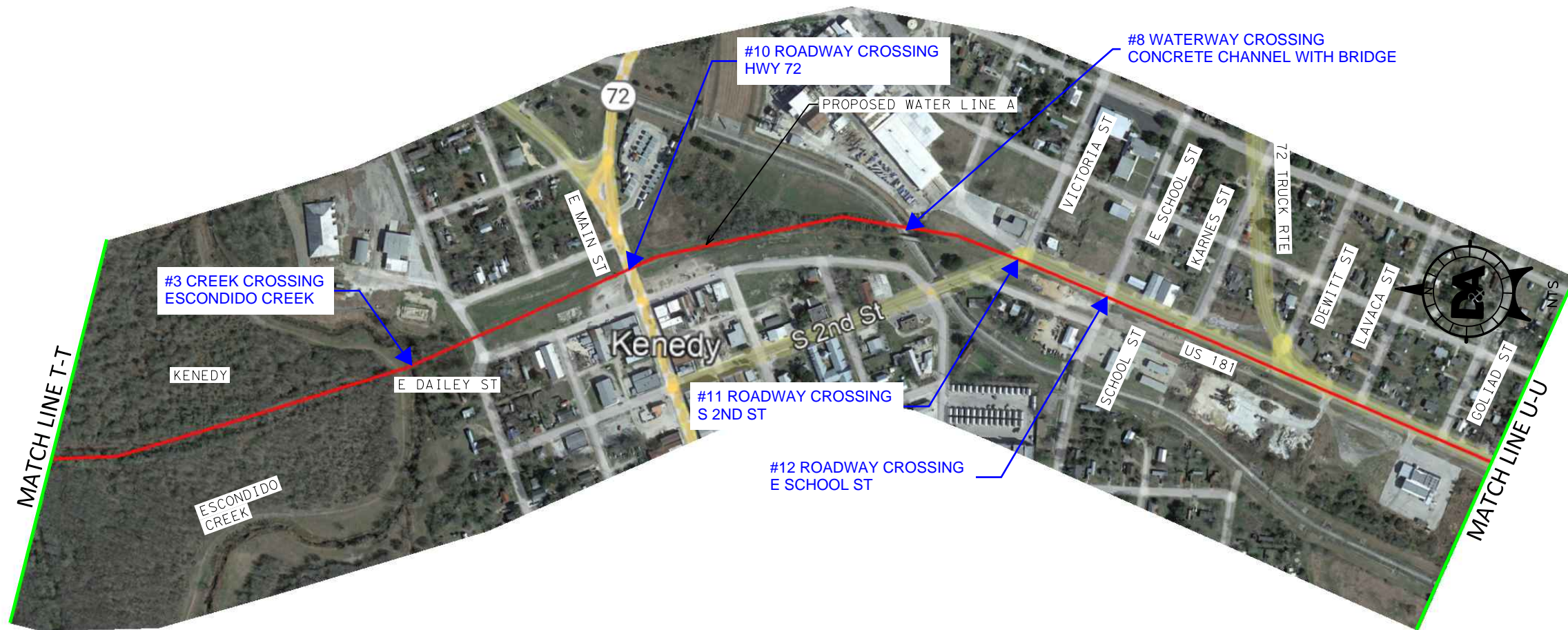
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12

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DATE: 3/28/2022  
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# LEGEND

---	EX. ROW
---	EX. PARCEL
---	PRO. 24"/30" WATER LINE A
---	PRO. 24"/30" WATER LINE B
---	PRO. 12" WATER LINE C

NOTE: PROPOSED WATER LINE IS  
TO BE CONSTRUCTED WITHIN  
ABANDONED UPRR ROW.

DATE: MARCH 15, 2022

## KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

**DA DOUCET  
& ASSOCIATES**

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www.DoucetEngineers.com  
Firm Registration Number: 3937

PROJECT: 2206-001	SHEET NO.
HORIZ. SCALE: N/A	13
VERT. SCALE: N/A	
FILE: 2206001-PROJ-LAYOUT-EXH 3012.dgn	14





END PROJECT  
END PROPOSED WATER LINE A

KENEDY TREATMENT PLANT  
SITE 2 & 3

PROPOSED ELEVATED STORAGE TANK

KARNES COUNTY

### #13 ROADWAY CROSSING FLAX PLANT RD

## #14 ROADWAY CROSSING US 181

## LEGEND

- — — — — EX. ROW  
 — — — — — EX. PARCEL  
 — PRO. 24"/30" WATER LINE A  
 — PRO. 24"/30" WATER LINE B  
 — PRO. 12" WATER LINE C

NOTE: PROPOSED WATER LINE IS  
TO BE CONSTRUCTED WITHIN  
ABANDONED UPRR ROW.

DATE: MARCH 15, 2022  
REVISED DATE: MARCH 28, 2022

# KENEDY WATER LINE OVERALL PROJECT LIMITS EXHIBIT

**DA DOUCET**  
**& ASSOCIATES**

Civil Engineering - Planning - Geospatial  
7401 B. Highway 71 W, Suite 160  
Austin, Texas 78735, Phone: (512)-583-2600  
[www.DoucetEngineers.com](http://www.DoucetEngineers.com)  
Firm Registration Number: 3937

PROJECT: 2206-001

HORIZ. SCALE: N/A

VERT. SCALE: N/A

SHEET NO.

14 |

14

FILE: 2206001-PRO.1-LAYOUT-EXHIBIT 3.dcm 14



## PLACEMARK 1



### Placemark 1 - Northwest

The area northwest of Placemark 1 was observed to be sparse grassland intermixed with shrubs and forbs. Patches of fragmented, primarily hackberry, woodlands are located further northwest.



### Placemark 1 - Southeast

The area southeast of Placemark 1 was observed to be sparse woodlands primarily consisting of honey mesquite and hackberry, intermixed with prickly pear cactus, grasses and forbs.



## PLACEMARK 2



### Placemark 2 - Northwest

Placemark 2 is located on the southern edge of the San Antonio River corridor near the point where the proposed linear development intersects the river. The area northwest of Placemark 2 is consistent with the mesic conditions of the San Antonio River.



### Placemark 2 - East

The area east of Placemark 2 is ecologically very similar to the area northwest of Placemark 2.





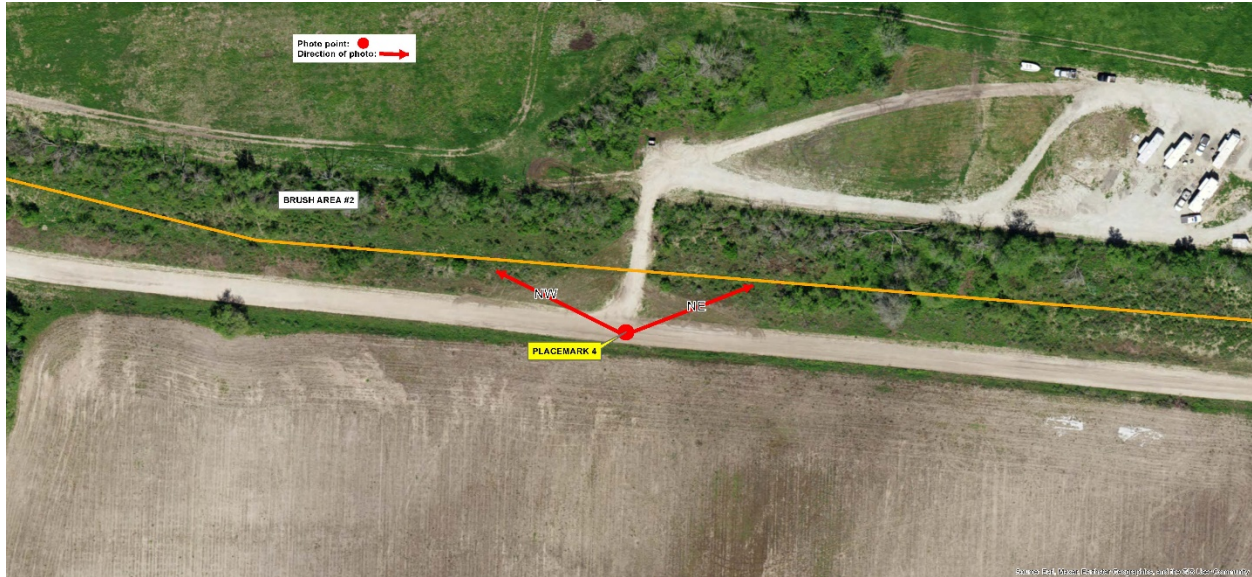
The area northwest of Placemark 3 observed to be sparse woodlands primarily consisting of honey mesquite and hackberry, intermixed with prickly pear cactus, grasses and forbs.



The area southeast of Placemark 3 is ecologically very similar to the area northwest of this placemark.



## PLACEMARK 4



### Placemark 4 - Northwest

The area northwest of Placemark 4 consisted of sparse, relatively short, primarily hackberry, woodland with shrubs, prickly pear cacti, grasses, and forbs.

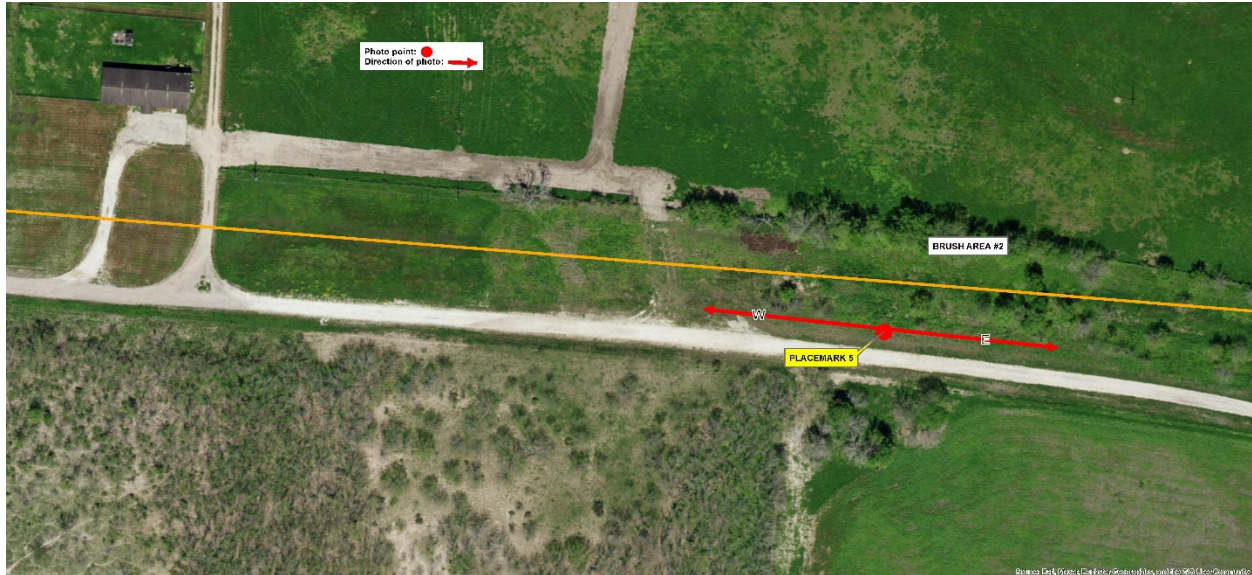


### Placemark 4 - Northeast

The area northeast of Placemark 4 is ecologically very similar to the area northwest of Placemark 4.



## PLACEMARK 5



### Placemark 5 - West

The area west of Placemark 5 is ecologically very similar to the areas surrounding Placemark 4.



### Placemark 5 - East

The area east of Placemark 5 is ecologically very similar to the areas surrounding Placemark 4.



## PLACEMARK 6



### Placemark 6 - Northwest

The area northwest of Placemark 6 is typical woodland primarily consisting of hackberry, found just off the eastern edge of HWY 181.



### Placemark 6 – Southeast

The area southeast of Placemark 6 is ecologically very similar to the area northwest of Placemark 1.



## PLACEMARK 7



### Placemark 7 – Northwest

The area northwest of Placemark 7 is ecologically very similar to the areas surrounding Placemark 6.



### Placemark 7 - East

The area east of Placemark 7 was observed to be patches of small hackberry and mesquite woodlands intermixed with yucca, prickly pear cactus, shrubs, grasses, and forbs.



CONFLICT OF INTEREST QUESTIONNAIRE  
**For vendor doing business with local governmental entity**

A complete copy of Chapter 176 of the Local Government Code may be found at <http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm>. For easy reference, below are some of the sections cited on this form.

**Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:**

- (A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
- (B) a transaction conducted at a price and subject to terms available to the public; or
- (C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

**Local Government Code § 176.003(a)(2)(A) and (B):**

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

\*\*\*

(2) the vendor:

- (A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that
  - (i) a contract between the local governmental entity and vendor has been executed; or
  - (ii) the local governmental entity is considering entering into a contract with the vendor;
- (B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:
  - (i) a contract between the local governmental entity and vendor has been executed; or
  - (ii) the local governmental entity is considering entering into a contract with the vendor.

**Local Government Code § 176.006(a) and (a-1)**

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

- (1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);
- (2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or
- (3) has a family relationship with a local government officer of that local governmental entity.

**(a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:**

- (1) the date that the vendor:
  - (A) begins discussions or negotiations to enter into a contract with the local governmental entity; or
  - (B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or
- (2) the date the vendor becomes aware:
  - (A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);
  - (B) that the vendor has given one or more gifts described by Subsection (a); or
  - (C) of a family relationship with a local government officer.

# CONFLICT OF INTEREST QUESTIONNAIRE

**FORM CIQ**

## For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

### OFFICE USE ONLY

Date Received

**1 Name of vendor who has a business relationship with local governmental entity.**

**2**

☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

**3 Name of local government officer about whom the information is being disclosed.**

\_\_\_\_\_  
Name of Officer

**4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.**

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

☐ Yes

☐ No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes

☐ No

**5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

**6**

☐

Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

**7**

\_\_\_\_\_  
Signature of vendor doing business with the governmental entity

\_\_\_\_\_  
Date