

RESOLUTION NO. _____

A RESOLUTION OF THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS APPROVING AN AGREEMENT WITH RJN GROUP FOR WATER MAIN CONDITION ASSESSMENT (REDDING TRAIL) IN AN AMOUNT NOT TO EXCEED \$79,660.00; AUTHORIZING THE CITY MANAGER TO EXECUTE THE AGREEMENT; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City Council desires to authorize an agreement with RJN Group for Water Main Condition Assessment (Redding Trail) in conformance with the City’s requirements.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS:

SECTION 1. The City Council hereby approves the agreement between the Town of Addison and RJN Group for Water Main Condition Assessment along Redding Trail in conformance with the City’s requirements and in an amount not-to-exceed of \$79,660.00, a copy of which is attached to this Resolution as **Exhibit A**. The City Manager is hereby authorized to execute the agreement.

SECTION 2. This Resolution shall take effect from and after its date of adoption.

DULY RESOLVED AND ADOPTED by the City Council of the Town of Addison, Texas, on this the **10th** day of **JANUARY**, 2023.

TOWN OF ADDISON, TEXAS

Joe Chow, Mayor

ATTEST:

Irma Parker, City Secretary

EXHIBIT A

PROFESSIONAL SERVICES AGREEMENT WATER MAIN CONDITION ASSESSMENT (REDDING TRAIL)

This Professional Services Agreement ("Agreement") is made by and between the **Town of Addison, Texas** ("City"), and **RJN Group** ("Professional") (each a "party" and collectively the "parties"), acting by and through their respective authorized representatives.

RECITALS

WHEREAS, City desires to engage Professional to perform certain work and services, hereinafter referred to only as "services", as further specified in the Scope of Services defined in Section 1 of this Agreement; and

WHEREAS, Professional has expressed a willingness to perform said services in conformance with this Agreement.

NOW, THEREFORE, for and in consideration of the covenants and promises made one to the other herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

Section 1. Scope of Services

Upon written notice to proceed by City, Professional agrees to provide to City Water Main Condition Assessment (Redding Trail) ("Project"), as set forth in the Scope of Services attached hereto as **Exhibit "A through C"** and incorporated herein by reference (the "Scope of Services"). Professional shall not be entitled to any claim for extra services, additional services or changes in the services without a written agreement with City prior to the performance of such services.

Section 2. Term of Agreement

The term of this Agreement shall begin on the last date of execution hereof (the "Effective Date") and shall continue until Professional completes the services required herein and the City has accepted the same, unless sooner terminated as provided in this Agreement.

Section 3. Professional's Obligations

(a) Performance of Services. Professional shall furnish and pay for all labor, tools, software, materials, equipment, supplies, transportation and management necessary to perform the services. To the extent reasonably necessary, Professional may engage the services of any agents, assistants, or other persons that Professional may deem proper to assist in the performance of the services under this Agreement; provided, that Professional shall be responsible for all costs related thereto, except as expressly authorized in writing in advance by City.

(b) Site Access. City will endeavor to provide such rights of access on any project site as may be reasonably necessary for Professional to perform any necessary studies, surveys, tests or other required investigations in relation to the services; provided, that City shall have no obligation to (i) provide off-site access, (ii) provide access to private property for which City does not have an existing right to access, nor (ii) incur any costs associated with the access to be provided under this Agreement.

(c) Standard of Care. Professional shall perform the services with the skill and care ordinarily provided by competent professionals practicing in the same or similar locality and under the same or similar

EXHIBIT A

circumstances and professional licenses. Professional shall be responsible for the professional quality, technical accuracy, and the coordination of all services, including all Project Documents, designs, drawings, specifications, plans, reports, presentations and all other services furnished by Professional under this Agreement. Professional shall, without additional compensation, correct or revise any errors or deficiencies in the services. Professional shall further make, without expense to City, such revisions to the Project Documents as may be required to meet the needs of City and which are within the Professional's Scope of Services.

(d) Additional Services. Should City require additional services not included under this Agreement, Professional shall make reasonable effort to provide such additional services in accordance with the fee schedule set forth in **Exhibit B**, and within the time schedule prescribed by City; and without decreasing the effectiveness of the performance of services required under this Agreement.

(e) No Waiver of City's Rights. Neither City's review, approval, acceptance of, nor payment for any of the services required under this Agreement, shall be construed to operate as a waiver of any rights under this Agreement or of any cause of action arising out of the performance of this Agreement, and Professional shall be and remain liable to City in accordance with applicable law for all damages to City caused by Professional's negligent performance of any of the services furnished under this Agreement.

(f) Independent Contractor. It is understood and agreed by and between the parties that Professional, while performing under this Agreement, is acting independently, and that City assumes no responsibility or liabilities to any third party in connection with Professional's actions. All services to be performed by Professional pursuant to this Agreement shall be in the capacity of an independent contractor, and not as an agent or employee of City. Professional shall supervise the performance of its services and shall be entitled to control the manner and means by which its services are to be performed, subject to the terms of this Agreement. There is no intended third-party beneficiary to this Agreement.

(g) Inspection of Records. Professional grants City and its designees the right to audit, examine or inspect, at City's election, all of Professional's Records (defined below) relating to the performance of services under this Agreement, during the term of the Agreement and any retention period herein. City's audit, examination, or inspection of Professional's Records may be performed by a City designee, which may include its internal auditors or an outside representative engaged by City. Professional agrees to retain Professional's Records for a minimum of four (4) years following termination of the Agreement, unless there is an ongoing dispute under the contract; then, such retention period shall extend until final resolution of the dispute. "Professional's Records" shall include any and all information, materials and data of every kind and character generated in connection with the services under this Agreement. City agrees that it will exercise its right to audit, examine or inspect Professional's Records during regular business hours unless City has provided advance written notice of an alternate time. Professional agrees to allow City and its designees access to all of Professional's Records, Professional's facilities, and the current or former employees of Professional, to the extent deemed reasonably necessary by City or its designee(s), to perform such audit, inspection or examination.

(h) Certification of No Conflicts. Professional hereby warrants to the City that Professional has made full disclosure in writing of any existing or potential conflicts of interest related to Professional's services under this Agreement. In the event that any conflicts of interest arise after the Effective Date of this Agreement, Professional hereby agrees immediately to make full disclosure to the City in writing.

(i) Hazardous Materials. Professional shall report the presence and location of any hazardous materials it notices or which an professional of similar skill and experience should have noticed to the City.

EXHIBIT A

Section 4. Performance Schedule

(a) Time for Performance. Professional shall perform all services as provided for under this Agreement in a proper, efficient, timely, and professional manner in accordance with City's requirements. In the event Professional's performance of this Agreement is delayed or interfered with by acts of the City or others, Professional may request an extension of time in conformance with this Section 4 for the performance of same as hereinafter provided but shall not be entitled to any increase in fee or price, or to damages or additional compensation as a consequence of such delays.

(b) Extensions; Written Request Required. No allowance of any extension of time, for any cause whatever (including an event of Force Majeure as defined herein below), shall be claimed or made to Professional, unless Professional shall have made written request upon City for such extension within forty-eight (48) hours after the cause for such extension occurred, and unless City and Professional have agreed in writing upon the allowance of additional time to be made.

Section 5. Documents

(a) Project Documents. All proposals, reports, studies, surveys, applications, drawings, plans, specifications, data, and other documents, whether in draft form or final form (including any electronic format) prepared by Professional and its employees, consultants, subcontractors, agents, or representatives (collectively referred to in this section as "Professional) for the use and/or benefit of City in connection with this Agreement ("Project Documents"). Professional shall be deemed the authors of their respective component of the Project Documents. Notwithstanding, upon payment by City as required by this Agreement, City shall own, have, keep and retain all rights, title and interest in and to all Project Documents, including all ownership, common law, statutory, and other reserved rights, including copyrights (except copyrights held by the Professional) in and to all Project Documents, whether in draft form or final form, which are produced at City's request and in furtherance of this Agreement. City shall have full authority to authorize any contractor(s), subcontractors, consultants, and material or equipment suppliers to reproduce applicable portions of the Project Documents to and for use in their execution of the services or for any other purpose. Acceptance and approval of the Project Documents by City shall not constitute nor be deemed a release of the responsibility and liability of Professional for the accuracy or competency of its designs, working drawings, specifications, or other documents; nor shall such approval be deemed to be an assumption of such responsibility by City for any defect in the designs, working drawings and specifications, or any other documents prepared by Professional.

(b) Professional's Documents. All previously owned intellectual property of Professional, including but not limited to any computer software (object code and source code), tools, systems, equipment or other information used by Professional or its suppliers in the course of delivering the Services hereunder, and any know-how, methodologies or processes used by Professional to provide the services or protect deliverables to City, including without limitation, all copyrights, trademarks, patents, trade secrets and any other proprietary rights inherent therein and appurtenant thereto ("Professional's Documents"), shall remain the sole and exclusive property of Professional. Notwithstanding, Professional agrees that City shall have the right to access to all such information and City is granted the right to make and retain copies of Professional's Documents. City acknowledges that any reuse of Professional's Documents without specific written verification or adaptation by Professional will be at City's sole risk and without liability or legal exposure to Professional.

(c) Confidential Information. Professional agrees it will notify City in writing if it considers specific information to be confidential or proprietary trade secrets and will use its best efforts to clearly mark all such information as "Confidential" and/or "Proprietary – Trade Secret" at the time it is delivered or made accessible to City. City acknowledges that all such designated information is considered by

EXHIBIT A

Professional to be confidential and the exclusive property of Professional. Notwithstanding the foregoing, Professional acknowledges that this Agreement, and all services performed hereunder, are subject to the legal requirements of the Texas Public Information Act and that City will have no obligation to protect or otherwise limit disclosure of any confidential or proprietary information if Professional has not notified City of such designation in conformance with this section. Professional agrees and covenants to protect any and all proprietary rights of City (or other persons) in any materials provided to Professional by City. Additionally, any materials provided to Professional by City shall not be released to any third party without the consent of City and shall be returned intact to City upon termination or completion of this Agreement if instructed to do so by City. In the event City delivers to Professional any information that has been expressly marked "Confidential" or has notified Professional is confidential or is the proprietary information of a third-party, Professional agrees it shall not disclose to anyone directly or indirectly during the term of this Agreement or at any time thereafter, any such information, nor shall it use any such information for any purpose other than as reasonably necessary in connection with Professional's performance of the services under this Agreement. Professional shall further, at its own expense, defend all suits or proceedings instituted against City and pay any award of damages or loss resulting from an injunction, against City, insofar as the same are based on any claim that materials or services provided under this Agreement constitute an infringement of any patent, trade secret, trademark, copyright or other intellectual property rights. Notwithstanding, the foregoing confidentiality obligations shall not extend to and nothing herein shall limit either party's right to disclose any information provided hereunder which: (i) was or becomes generally available to the public, other than as a result of a disclosure by the receiving party or its personnel; (ii) was or becomes available to the receiving party or its representatives on a non-confidential basis, provided that the source of the information is not bound by a confidentiality agreement or otherwise prohibited from transmitting such information by a contractual, legal, or fiduciary duty; (iii) was independently developed by the receiving party without the use of any confidential information of the disclosing party; or (iv) is required to be disclosed by applicable law or a court order.

Section 6. Payment

(a) Compensation. Professional's compensation shall be as specified in the payment schedule set forth in **Exhibit B**; provided, that the total compensation under this Agreement shall not exceed SEVENTY-NINE THOUSAND, SIX HUNDRED AND SIXTY DOLLARS (\$79,660.00).

(b) Payment Terms. City agrees to pay Professional for all services authorized in writing and properly performed by Professional in general conformance with the fee schedule set forth in **Exhibit B**, subject to changes in the Scope of Services or additional services agreed upon in writing. Unless otherwise agreed in writing, all payments to Professional by City shall be based on detailed monthly invoices submitted by Professional for work performed and accepted by City, less any previous payments. Payment will be due within thirty (30) days of the City's receipt and acceptance of an approved invoice. Notwithstanding the foregoing, City reserves the right to delay, without penalty, any payment to Professional when, in the opinion of City, Professional has not made satisfactory progress on the Project as described in the Scope of Services.

(c) Deductions. City may deduct from any amounts due or to become due to Professional any sum or sums owing by Professional to City. In the event of any breach by Professional of any provision or obligation of this Agreement, or in the event of the assertion by other parties of any claim or lien against City, or City's premises, arising out of Professional's performance of this Agreement, City shall have the right to retain out of any payments due or to become due to Professional an amount sufficient to completely protect City from any and all reasonably anticipated loss, damage or expense therefrom, until the breach, claim or lien has been satisfactorily remedied or adjusted by Professional.

EXHIBIT A

Section 7. Default; Force Majeure

(a) Default; Notice to Cure. A party shall be deemed in default under this Agreement if the party is in breach of a material provision of this Agreement and said breach is not cured within fifteen (15) days written notice of default by the other party. In the event the breaching party has notified the other party in writing that it is diligently working to cure the breach and has provided reasonable written evidence in support of the same, the breaching party shall not be deemed in default until the thirtieth (30th) day following the non-breaching party's notice of default.

(b) Default by Professional. In addition to default under Section 7(a) above, Professional shall be in default under this Agreement if Professional fails to comply or becomes disabled and unable to comply with the provisions of this Agreement related to Professional's performance of the services, including the quality or character of the services or time of performance for any material component of the services. If such default is not corrected within ten (10) days from the date of City's written notice to Professional regarding the same, City may, at its sole discretion without prejudice to any other right or remedy:

- (i) Terminate this Agreement and be relieved of the payment of any further consideration to Professional except for all services determined by City to be satisfactorily completed prior to termination. Payment for work satisfactorily completed shall be for actual costs, including reasonable salaries and travel expenses of Professional to and from meetings called by City at which Professional is required to attend, but shall not include any loss of profit of Professional. In the event of such termination, City may proceed to complete the services in any manner deemed proper by City, either by the use of its own forces or by re-subletting to others; or
- (ii) City may, without terminating this Agreement or taking over the services, furnish the necessary labor, materials, equipment, supplies and/or assistance necessary to remedy the situation, at the expense of Professional.

(c) Force Majeure. To the extent either party of this Agreement shall be wholly or partially prevented from the performance of any obligation or duty placed on such party by reason of or through stoppage of labor, riot, fire, flood, acts of war, insurrection, court judgment, or a government restriction, quarantine or mandatory closure order enacted in response to a pandemic or other public health crises, or other specific cause reasonably beyond the party's control and not attributable to its malfeasance, neglect or nonfeasance (each an event of "Force Majeure"), the time for performance of such obligation (other than a payment obligation) may be extended for a period equal to the time lost by reason such event, provided, that the party complies with the provisions of this section. Specifically, the party asserting Force Majeure (i) shall give prompt notice to the other party of the prevention of performance as soon as the asserting party is reasonably aware of such prevention, and (ii) has the burden of demonstrating: (1) how and why their performance was so prevented, (2) the period of time during which they were so prevented from performing (which under the facts may be equal to, or shorter or longer than, the duration of the Force Majeure event itself), and (3) that the party used commercially reasonable efforts to mitigate and/or eliminate such prevention and resumed performance under this Agreement as soon as reasonably practicable.

Section 8. Termination; Suspension

(a) Termination Upon Default. Either party may terminate this Agreement upon written notice if the other party is in default of this Agreement, subject to the defaulting party's right to cure in conformance with the terms of this Agreement.

EXHIBIT A

(b) Termination by City. City shall be entitled to terminate this Agreement, with or without cause, by providing thirty (30) days prior written notice to Professional.

(c) Termination Following Request for Modification. Should City require a modification of this Agreement with Professional, and in the event City and Professional fail to agree upon a modification to this Agreement, City shall have the option of terminating this Agreement and Professional's services hereunder at no additional cost other than the payment to Professional, in accordance with the terms of this Agreement, for the services reasonably determined by City to be properly performed by Professional prior to such termination date.

(d) Suspension. City reserves the right to suspend this Agreement for the convenience of City by issuing a written notice of suspension which shall describe City's reason(s) for the suspension and the expected duration of the suspension. Such expected duration shall, in no way, guarantee what the total number of days of suspension shall occur. Such suspension shall take effect immediately upon Professional's receipt of said notice. Should such suspension extend past the expected duration identified by City in its latest notice of suspension, Professional shall have the right to terminate this Agreement if (i) Professional provides not less than thirty (30) days prior written notice to City requesting to recommence the services, and (ii) City does not recommence the services within the time requested.

Section 9. Insurance

Professional shall during the term hereof maintain in full force and effect all policies of insurance reasonably required by City. Professional's obligation to provide acceptable certificates of insurance is a material condition precedent to this Agreement, and services under this Agreement shall not commence until certificates of insurance have been received, reviewed, and accepted by City. The minimum coverages and limits of liability for the policies of insurance required for the specific services under this Agreement are maintained by and accessible through the City's purchasing department.

Section 10. Indemnification; Notice.

CITY SHALL NOT BE LIABLE FOR ANY LOSS, DAMAGE, OR INJURY OF ANY KIND OR CHARACTER TO ANY PERSON OR PROPERTY ARISING FROM THE SERVICES OF PROFESSIONAL PURSUANT TO THIS AGREEMENT. PROFESSIONAL HEREBY WAIVES ALL CLAIMS AGAINST CITY, ITS OFFICERS, AGENTS AND EMPLOYEES (COLLECTIVELY REFERRED TO IN THIS SECTION AS "CITY INDEMNITEES") FOR DAMAGE TO ANY PROPERTY OR INJURY TO, OR DEATH OF, ANY PERSON ARISING AT ANY TIME AND FROM ANY CAUSE OTHER THAN THE GROSS NEGLIGENCE OR WILLFUL MISCONDUCT OF THE CITY INDEMNITEES. PROFESSIONAL AGREES TO INDEMNIFY, DEFEND, AND SAVE HARMLESS THE CITY INDEMNITEES FROM AND AGAINST ANY AND ALL LIABILITIES, DAMAGES, CLAIMS, SUITS, COSTS (INCLUDING COURT COSTS, REASONABLE ATTORNEYS' FEES AND COSTS OF INVESTIGATION) AND ACTIONS OF ANY KIND BY REASON OF INJURY TO OR DEATH OF ANY PERSON OR DAMAGE TO OR LOSS OF PROPERTY TO THE EXTENT CAUSED BY THE NEGLIGENT PERFORMANCE OF SERVICES UNDER THIS AGREEMENT OR BY REASON OF ANY NEGLIGENT ACT OR OMISSION ON THE PART OF PROFESSIONAL, ITS OFFICERS, DIRECTORS, MANAGERS, EMPLOYEES, CONTRACTORS, SERVANTS, REPRESENTATIVES, CONSULTANTS, LICENSEES, SUCCESSORS OR PERMITTED ASSIGNS (EXCEPT WHEN SUCH LIABILITY, CLAIMS, SUITS, COSTS, INJURIES, DEATHS OR DAMAGES ARISE FROM OR ARE ATTRIBUTED TO THE GROSS NEGLIGENCE OR WILFUL MISCONDUCT OF A CITY INDEMNITEE, IN WHOLE OR IN PART, IN WHICH CASE PROFESSIONAL SHALL INDEMNIFY THE CITY INDEMNITEES TO THE EXTENT OR PROPORTION OF NEGLIGENCE

EXHIBIT A

ATTRIBUTED TO PROFESSIONAL, ITS OFFICERS, AGENTS, OR EMPLOYEES AS DETERMINED BY A COURT OR OTHER FORUM OF COMPETENT JURISDICTION).

Notices of Claim. Professional shall promptly advise City in writing of any claim or demand against the City, related to or arising out of Professional's acts or omissions under this Agreement and shall see to the investigation and defense of such claims or demand at Professional's sole cost and expense; provided, that City, at its option and at its own expense, may participate in such defense without relieving Professional of any of its obligations hereunder. Professional's obligations under this section shall not be limited to the limits of coverage of insurance maintained or required to be maintained under this Agreement.

THE PROVISIONS OF THIS SECTION SHALL SURVIVE EXPIRATION OR TERMINATION OF THIS AGREEMENT FOR A PERIOD OF FOUR (4) YEARS.

Section 11. Notice.

All notices required by this Agreement shall be in writing and addressed to the parties at the addresses set forth on the signature page(s) of this Agreement (or to such other address that may be designated by the receiving party from time to time in accordance with this section). All notices shall be delivered by (a) personal delivery, (b) certified or registered mail (in each case, return receipt requested, postage prepaid), (c) nationally recognized overnight courier (with all fees pre-paid), or (d) email of a pdf document containing the required notice. Such notice or document shall be deemed to be delivered or given, whether actually received or not, (i) when received if delivered or given in person, (ii) if sent by United States mail, three (3) business days after being deposited in the United States mail as set forth above, (iii) on the next business day after the day the notice or document is provided to a nationally recognized carrier to be delivered as set forth above, or (iv) if sent by email, the next business day. A confirmation of delivery report which reflects the time that the email was delivered to the recipient's last notified email address is prima facie evidence of its receipt by the recipient, unless the sender receives a delivery failure notification, indicating that the email has not been delivered to the recipient.

Section 12. Verifications by Professional

Professional's execution of this Agreement shall serve as its formal acknowledgement and written verification that:

(a) if the requirements of Subchapter J, Chapter 552, Government Code, apply to this Agreement and Professional agrees that the Agreement can be terminated if Professional knowingly or intentionally fails to comply with a requirement of that subchapter;

(b) pursuant to Texas Government Code Chapter 2270, that Professional's organization does not presently boycott Israel and will not boycott Israel during the term of this Agreement; and

(c) pursuant to Texas Government Code Chapter 2251, that Professional's organization does not current discriminate against firearm and ammunition industries and will not for the term of the contract. Discriminating means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with the firearm or ammunition industry or with a person or entity doing business in the firearm or ammunition industry, but does not include an action made for ordinary business purposes.

EXHIBIT A

Section 13. Miscellaneous

(a) Professional shall not assign or sublet this Agreement, in whole or in part, without the prior written consent of City. (b) Professional shall comply with all federal, state, county, and municipal laws, ordinances, resolutions, regulations, rules, and orders applicable to the services under this Agreement. (c) The laws of the State of Texas shall govern this Agreement; and venue for any action concerning this Agreement shall be in the state district courts of Dallas County, Texas. The parties agree to submit to the personal and subject matter jurisdiction of said courts. (d) This Agreement contains the entire understanding of the parties with respect to the subject matter hereof and there are no oral understandings, statements or stipulations bearing upon the meaning or effect of this Agreement which have not been incorporated herein. (e) The exhibits attached hereto, if any, are incorporated herein and made a part hereof for all purposes. (f) Unless expressly provided otherwise herein, this Agreement may only be modified, amended, supplemented or waived by a mutual written agreement of the parties. (g) In the event any one or more of the provisions contained in this Agreement shall for any reason be held to be invalid, illegal, or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provisions, and the Agreement shall be construed as if such invalid, illegal, or unenforceable provision had never been contained in it. (h) Any of the representations and obligations of the parties, as well as any rights and benefits of the parties pertaining to a period of time following the termination of this Agreement shall survive termination. (i) This Agreement may be executed by the parties in separate counterparts, each of which when so executed and delivered shall be an original, but all such counterparts shall together constitute one and the same instrument. Each counterpart may consist of any number of copies hereof each signed by less than all, but together signed by all of the parties. (j) Each party represents that it has full capacity and authority to grant all rights and assume all obligations granted and assumed under this Agreement. (k) Subject to the provisions regarding assignment, this Agreement shall be binding on and inure to the benefit of the parties to it and their respective heirs, executors, administrators, legal representatives, successors and assigns.

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SIGNATURE PAGE FOLLOWS]

EXHIBIT A

IN WITNESS WHEREOF, the parties have executed and delivered this Agreement as of the Effective Date.

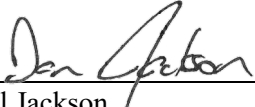
For City:

For Professional:

TOWN OF ADDISON, TEXAS

RJN GROUP

By: _____
David Gaines
City Manager

By: _____

Daniel Jackson
Senior Vice President

Date: _____

Date: 12/14/2022

Notice Address:

Notice Address:

Town of Addison
Attn: City Manager
P.O. Box 9010
Town of Addison, Texas 75001

RJN Group
Attn: Jason Maldonado, Client Manager
14755 Preston Rd
Dallas, Texas 75254
E: jmaldonado@rjnmail.com

Addison Contract ID:
PSA_TW_December 14, 2022_v1.20220427



September 30, 2022

Shannon Hicks, P.E.
Director of Public Works and Engineering Services
Town of Addison
16801 Westgrove Dr.
Addison, Texas 75001

Subject: Condition Assessment and Estimated RUL on 8" Water Main along Redding Trail
Town of Addison

Dear Mr. Hicks:

We appreciate the opportunity to submit this proposal to perform a condition assessment and estimate the remaining useful life (RUL) on an 8" cast iron water main near Redding Trail from Beltline Rd. to George Bush Elementary. RJN is an engineering and specialty field services firm that specializes in condition assessments and underground infrastructure solutions. As an engineering firm, RJN is agnostic to technology and utilizes the right technology for the best fit for each project.

RJN understands the Town of Addison ("Addison") desires to know the condition of the water main. It is understood that the line needs to remain in service and disruptions along the pipeline, including excavations, should be minimized. RJN also understands that the line has been in service since the late 1970s and based on its critical location, a condition assessment is warranted.

This proposal provides a general outline and scope of work for conducting an engineering analysis of the 8" cast iron water main that will culminate in a condition assessment and analysis of remaining useful life. The proposed general Scope of Services is provided in Exhibit A. A breakdown of the fee is available in Exhibit B.

We appreciate the opportunity to work with the Town of Addison on this important project. Please feel free to contact me at 832-272-7309 if you would like to discuss this proposal or have any questions.

Sincerely,

Jason Maldonado, CFM
Client Manager

Stephen Jeffus, PE
Regional Client Services Director



EXHIBIT A SCOPE OF SERVICES

RJN is proposing the following scope of services to conduct the condition assessment on the 8" cast iron water line extending from Belt Line Road to George Bush Elementary near Spring Creek Blvd as shown on Exhibit C.

Overview: The subject 8" water line is approximately 3,700 linear feet in length from near Belt Line road running south and following the Redding Trail down to George Bush Elementary. The original line is cast iron, with a few sections of PVC resulting from previous repairs. The goal of the project is to evaluate the structural integrity of the pipeline and determine the remaining useful life. Due to the pipeline's location, previous disruptions to the area, and the pipeline's estimated depth of 10', excavations to uncover the pipeline are to be minimized.

RJN proposes a phased approach to evaluate the pipeline. The first phase will include our Health Check of the pipeline, in-line leak detection, and potentially some measurements of the pipe wall thickness (optional, if warranted). The Health Check is a process that examines the details and parameters of the pipeline to determine what type of assessment process and/or inspection technology is best suited for the application. The leak detection inspection is an initial screening process that will identify defects and entrained air pockets that may compromise the performance and integrity of the pipeline. The pipe wall thickness will be measured in spots using a Broadband Electro-magnetic (BEM) tool.

The second phase would include the application of the best condition assessment process and inspection technology determined from the Health Check. The assessment will provide the additional data needed to make an engineering evaluation on the structural integrity of the main and properly determine the pipeline's remaining useful life. The scope and associated tasks for this task are described herein.

The services are further described in the following tasks:

1. Project Administration and Management

- a. Perform internal project control procedures regarding schedule and budget control, quality control review, project accounting, and progress reports.
- b. Conduct project kickoff and progress meetings.
- c. Prepare a schedule of work activities and maintain it throughout the project.
- d. Coordinate with Addison and any other stakeholders associated with the water main.
- e. Execute agreements with any subconsultants and provide accounting support.

2. Pipeline Health Check

- a. The goal of the health check is to determine what condition assessment processes and investigative techniques might be best suited for assessing and evaluating the integrity of the pipeline. This is accomplished by doing a thorough review of the pipeline's

- history, operating parameters, and in-situ environment and conditions. The referenced pipeline will be subject to in-line leak detection.
- b. Specific tasks of the Health Check include, but are not limited to:
 - i. Review of the pipeline’s plan and profile drawings
 - ii. Review of pipeline’s as-built and lay drawings
 - iii. Review of additional GIS information and attributes related to the pipeline including age, material, pressure class, and manufacturer.
 - iv. Review of any mapbooks including the pipeline
 - v. Review of historical and current pipeline operating conditions including:
 1. Working Ave. and Max. Pressure Ranges
 2. Min. and Max. Flow Rates
 - vi. Review of leak and break history
 - vii. Review of other maintenance history
 - viii. Staff interviews
 - ix. Determination of inspection limitations (e.g., can the pipeline be depressurized)
 - x. Analysis of potential insertion and extraction points in the pipeline for the possible use of in-line inspection tools.
 - c. The data and information collected as part of the Health Check will be evaluated and analyzed. Recommendations will be made as to the best options for assessing the condition of the pipeline. The recommendations will include an overview of the expected effort and cost associated with each option as well as an overview of the data sets that each option will provide.
 - d. Field Investigations
 - i. RJN will conduct site visits to assess the existing condition, take site photos, validate GIS data, verify survey information, and look for critical areas and constraints. RJN will coordinate any discrepancies in GIS or as-built data.
 - ii. RJN assumes that Addison personnel will be made available during field investigations/walkthroughs to provide background information on the existing assets and known issues.
 - iii. Field investigations will be conducted by the assessment teams to confirm the existence of any appurtenances such as isolation valves, blow-off valves, air release valves, fire hydrants, access locations, and surface conditions of the alignment. Interviews with staff will be conducted.
 - e. RJN will also use the results of the health check to find possible access and extraction points within the system.
 - f. Pigging or swabbing of the pipeline is not anticipated at this time. The in-line detection includes CCTV. The review of the CCTV footage from the in-line leak detection will determine if pigging should be considered for a later date.

3. Leak Detection with CCTV

For this application, RJN proposes to direct and deploy a tethered in-line acoustic leak inspection that incorporates CCTV. RJN will use a trusted local subcontractor to deploy the inspection instrument. RJN will oversee the data collection and compile the inspection report.

The proposed platform is a tethered leak detection tool used to locate leaks and gas pockets in pressurized pipelines. The tool allows for close control and sensitivity during inspections with no disruption to regular pipeline service. The acoustic sensor is highly sensitive and can locate pinhole-sized leaks. The leak detection surveys will be completed while the pipeline remains in service by inserting the sensor into the live pipeline through a tap or hydrant. All necessary taps or hydrant take downs will be performed by Addison.

A small parachute uses the flow of water to draw the sensor through the pipeline while it remains tethered to the surface. This allows for real-time results and maximum control; the tool can be moved back and forth using a winch system to confirm suspected leaks. The instrument is also tracked above ground using sensors, which also allows for the precise marking of leaks. The inspection instrument includes a fixed CCTV camera allowing for live viewing of the inside of the pipeline during the inspection. RJN will flag, document, and capture GPS coordinates of items of interest including leaks, air pockets, outlets on the pipe, valves, debris, etc. Capturing GPS coordinates and flagging of pipeline fittings and bends can also be completed.

It is understood the water flows north to south in the subject pipeline. A minimum flow rate of approximately 1.5 fps is required to draw the sensor through the line. Please note that there may be a need to increase the flow through the line during the test by closing lateral connections to the main and opening hydrants downstream of the test site. Addison will provide valve closure and operate hydrants during the leak detection. RJN can provide or augment these services if needed for an additional fee.

Traffic Control measures are not anticipated to be required during the inspections. Addison will provide traffic control if required.

4. Broadband Electro-Magnetic (Optional)

Broadband Electromagnetic (BEM) is a non-destructive testing technique for assessing ferrous pipe wall conditions. Should the leak detection results indicate the need for more analysis, the BEM tool may be an option to implement. The water main does not need to be taken offline, as the readings are taken from the outside of the wall. The excavation/shoring will be provided by Addison. The technique scans through the full wall of pipe registering corrosion or flaws within the full wall thickness. The BEM Pipe Wall assessment:

- a. External pipe wall assessment can be executed for up to three (3) locations using BEM technology to determine the remaining wall thickness of the cast iron segments of the pipeline.

- b. The testing location will be jointly selected with Addison. Addison staff will provide test pits by excavation that adhere to OSHA safety standards to allow for safe entry during testing. The assessment team will provide onsite field support for selected testing locations. Each excavation will expose five (5) feet of pipe length, with the top half of the pipe exposed and accessible for performing wall thickness testing.
- c. External testing using BEM technology will be executed on 5-ft pipe sections each for one (1) location. The pipe wall assessment will not include pipe joints. The pipe surface will be made free of significant debris to ensure full and direct contact with the pipe surface; existing pipe coatings do not need to be removed prior to the testing. A tabular output and graphical (contour map) representation of the testing will be generated based on field-collected BEM data. The apparent remaining wall thickness of the existing pipe will be provided along with annotations on the location of observed flaws, minimum wall thickness, maximum wall thickness, and average wall thickness.
- d. A visual inspection of the pipe exterior surface will also be provided at each testing location. The visual inspection will assess for evidence of graphitization and/or pitting corrosion. Photographic documentation will be provided.
- e. Identify locations with significant wall loss based on testing locations.

5. Report and Condition Assessment Recommendation

RJN will compile a report outlining the results of the leak detection analysis and any BEM inspections performed. Should the results indicate more data is needed, a second phase will be outlined with a proposal for future data gathering and a full RUL report. If no further actions are needed, then a RUL will be developed for Addison under this contract.

6. Project Awareness Support

RJN understands Addison would like for this project to be promoted professionally and desires assistance with developing materials that would be used to disseminate information about the project. RJN will provide the following three deliverables at the end of this project:

- a. Article development and abstract submittal. RJN will develop an article on this project that may be used for publications and as well as two abstract submissions for professional conferences such as the American Public Works Association (APWA) and Underground Construction Technology (UCT). Two drafts of each, publication and abstract will be provided to Addison for comment and review.
- b. Awards submission. RJN will prepare a package for an awards submission of this project with the professional society of Addison's choice.
- c. Video overview. RJN will prepare a 2 to 3-minute video of the project that will show all stages of the project including footage in the field, interviews with Addison staff, and a summary of the project.



EXHIBIT B FEE SUMMARY

The following is a breakdown of the proposed fees by the task. The quantities are estimated based on the available GIS information and the anticipated work.

Service	Quantity	Unit	Unit Price	Total
1. Project Administration	1	LS	\$1,120.00	\$1,120.00
2. Pipeline Health Check	1	LS	\$6,160.00	\$6,160.00
3. Leak Detection	1	LS	\$31,640.00	\$31,640.00
4. BEM Inspections (Optional)	3	EACH	\$11,900.00	\$35,700.00
5. Assessment Report	1	LS	\$5,040.00	\$5,040.00
6. Project Awareness Support Deliverables	1	-	-	-
Total				\$79,660.00



EXHIBIT C

MAP

The following is the expected location of the project and anticipated work.

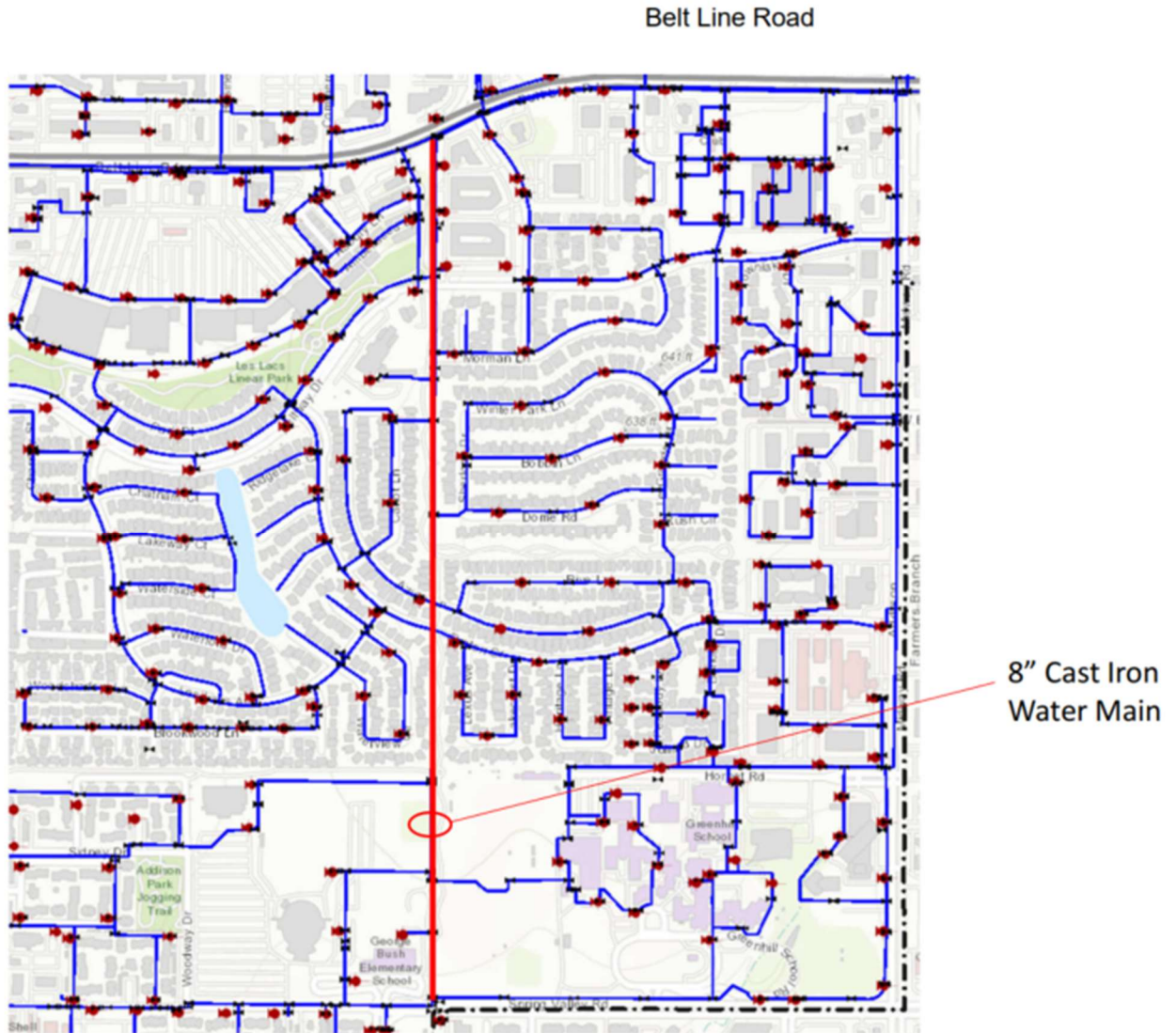


Figure 1 - Project Location

