

Exhibit "A"
Scope of Services - City of Grand Prairie
North DWU Water Meter Vault Replacement

ARTICLE I

North DWU Water Meter Vault Replacement

BASIC SERVICES: Professional shall render the following professional services in connection with the development of the Project:

The project includes replacement of the existing North DWU Water Meter Vault to include associated vault engineering to determine meter type and configuration as well as required communications equipment. The scope assumes the vault will be precast. This project will also include coordination with DWU.

Task 1 – Project Management

- A. Attend Project Kickoff Meeting – Meeting will cover both Pump Station and Elevated Storage.
- B. Provide Administration and Management of the project to include;
 - 1. Monthly One Page Reports including Status of Work, upcoming deliverables summary of outstanding issues and an updated project schedule;
 - 2. Project Manager Reports and Client invoicing;
 - 3. Development and implementation of the Quality Control and Assurance plans;
 - 4. Develop and maintain the project schedule and Action Items and Decisions Made Log;
 - 5. Agenda and meeting minutes for all meetings
 - 6. Develop a Comment Log to be updated with responses to all City comments and each submittals and description of how the comments were addressed or why they were not.

Task 2 – Site Evaluation Study

- C. Attend Project Kickoff Meeting - Discuss current system operations, including coordination effort with DWU and City Meter Station preferences.
- D. Obtain and review all available data for the existing meter station.
- E. Conduct a site visit to better understand the construction restraints when considering relocation of the existing meter.
- F. Determine and finalize optimum meter station location based on minimal environmental, permitting and engineering concerns, identifying all issues associated with the proposed meter station location as discussed and prioritized with the City.
- G. Develop a Study for the meter station delivery point. Study will include:
 - 1. Engineer will provide analysis and discussion of magnetic flow and venturi meters.

2. Up to three alternative facility locations for the meter station site will be presented for the City's Selection.
 3. Preliminary equipment sizing and conceptual drawings of the proposed site improvements will be included. Study will address site plan constraints, constructability and other constraints as well as a conceptual opinion of probable construction cost. The City's selected alternative will be further developed in Task 2.
 4. Control Valve Hydraulics and Selection – Conduct extended period simulation modeling analysis of the current delivery point under existing system (2015) and future system (2040) average day and peak day conditions using model runs developed as part of the most recent Grand Prairie Water CIP Master Plan. Coordinate with City Staff to determine appropriate assumptions for Well #19 and Well #21 and sending water into the supply line from the distribution system to improve water quality in the 660 Pressure Plane. Well #22 also has the ability to pump into the supply line, but it is assumed that well is currently being phased out. Obtain and utilize the most current DWU water system model to evaluate the head/pressure range upstream of the proposed meter vault based on existing model runs. This scope of work does not include developing new model runs or conducting analysis in the DWU model.
 - a. Engineer will provide appropriate valve selection calculations to establish an acceptable list of valves that can be used within the various head and flow conditions modeled.
 - b. Engineer will then coordinate with valve manufacturers to confirm applicability of their products for the conditions expected.
 - c. Communicate with potential meter suppliers to collect preliminary meter and valve recommendations.
 5. Coordinate with DWU Staff to obtain and document available pressure data near the delivery point and convert the pressures into head to compare to the model results.
 6. Based on the results an operating point envelope will be established for the proposed delivery point.
 7. Develop one (1) draft technical memorandum on site selection, meter selection, flows, heads, and valve selection.
 8. Develop one (1) final technical memorandum.
 9. A total of five (5) study document sets (with half size drawings) for the Vault Evaluation Study will be submitted to the City for their review and alternative selection at each submittal.
- H. Coordinate with DWU on Meter Station requirements and preferences.
- I. Professional will meet with the Owner up to two (2) times to discuss the results of the modeling and site evaluation study.

Task 3 – Design of Meter Station

Upon the completion of Task 1, Professional will perform Task 2 of the Preliminary Design Phase which will include the evaluation of different alternatives for relocation of the existing North BWU Supply Water Meter include some preliminary design work. Task 2 will include:

Task 2 will include 70%, 95% and 100% Design Submittals:

A. 70% Design Submittal

1. Review Site Visit – Design team will visit the meter station site to verify survey data and site layout with existing site conditions and proposed configurations of vault and connections.
2. Site Design and Drawings – Provide general and site, piping, paving, fencing, and landscaping (match existing) plans for the meter station location. Prepare general notes, horizontal control sheet, and site plans.
 - a. EIM Actuators will be included in the specifications along with Pratt Valves
3. Demolition – Provide demolition Drawings for sites, piping, valves and appurtenances as required for the new meter station and control valve vaults. Demolition of the existing delivery meter and valve vaults will be based on technical memorandum recommendations. Existing equipment and facilities are to remain in service during the construction of the new meter station vault.
4. Meter Vault Design and Drawings – Provide civil and piping design for the proposed vault. Prepare plans, sections, and details for installation of the new vault, valves, flow meter, piping and other pertinent details. Provide electrical, instrumentation and controls design and plan views, sections, elevations and details of the vaults.
5. Connection Details — Prepare connection details for pipe connection points.
6. Electrical & Instrumentation Design and Drawings — Provide electrical and instrumentation design for the new motor operated valves, flow meters, and vault.
7. Power for new equipment will originate from the electrical utility lines near the site and will be connected to new electrical panelboards and disconnects for the valves. The signals associated with the new controls and instrumentation will be routed to an RTU cabinet in new structure. Existing structures and new radio communications antenna will be used where feasible. New radio towers will be shown for areas where existing structures cannot be used to support the antenna.
8. Coordinate with the local electric utility company for electrical service for each site.
9. General Detail Sheets — Prepare standard and general detail sheets.
10. Specification Preparation — Prepare required city front-end documents and technical specifications for major equipment items. Supplement with Professional Guide Specifications as necessary.

11. A total of four (4) sets (with half size drawings) of 70% review documents will be submitted to the City. Electronic files will be submitted in both Full (22" x 34") and Half Size (11" x 17") format.

B. 95% Design Submittal

1. Review Comments – City will consolidate their submittal review comments and provide to the Engineer. The Engineer will incorporate City's comments into subsequent submittals or prepare a written response of disagreement.
2. Workshop – A workshop will be conducted by Engineer with the City to review the comments on the 70% Design.
3. After receipt of the City's comments on the 70% documents, Professional will revise and resubmit Final Design Documents to include:
 - a. Updated to the Engineer's Opinion of Probable Construction Cost;
 - b. Revised Plans and Specifications. Specification submittal will include all applicable specifications edited for project specific conditions.
4. Submit four (4) sets (with half size drawings) of 95% review documents will be submitted to the City. Electronic files will be submitted in both Full (22" x 34") and Half Size (11" x 17") format.

C. 100% Design Submittal

1. Review Comments – City will consolidate their submittal review comments and provide to the Engineer. The Engineer will incorporate City's comments into subsequent submittals or prepare a written response of disagreement.
2. Workshop – A workshop will be conducted by Engineer with the City to review the comments on the 95% Design.
3. After receipt of the City's comments on the 95% documents, Professional will revise and resubmit Final Design Documents to include:
 - a. Updated to the Engineer's Opinion of Probable Construction Cost;
 - b. Revised Plans and Specifications.
4. Professional will submit plans and specifications to the Texas Commission on Environmental Quality for review.
5. Upon TCEQ approval Professional will provide the City with the following copies of the Sealed Bid Documents – 2 Full Size (22" x 34") Plan Sets, 6 Half size (11" x 17") Plan Sets and 5 copies of the Specifications. Electronic files will be submitted in both Full (22" x 34") and Half Size (11" x 17") format. GIS Shapefiles will also be submitted.

6. It is anticipated that the Contractor will file for and pay for the building permit. If Professional is required to submit plans, file paperwork or participate in Building Code reviews, it will be an additional service.

ARTICLE II

SPECIAL SERVICES: Professional shall render the following professional services in connection with the development of the Project:

Task 4 – Geotechnical for Meter Vault

- A. Visit the site before drilling to select locations for exploratory borings. Engineer will stake the specific locations after checking underground utilities, other existing construction, and accessibility.
- B. Subcontract with a drilling contractor to drill one (1) 30-foot core borings at the meter vault site. Samples will be collected intermittently using continuous flight augers and either split-spoon or tube samplers. Borings will be backfilled with auger cuttings.
- C. Provide an engineer or geologist to direct the drilling, log the borings, record field test data, and handle and transport the samples.
- D. Select samples for laboratory testing, assign tests, deliver samples to a subcontract laboratory selected by Professional, and review test results. Testing is expected to include classification tests (liquid and plastic limits and percent passing a #200 sieve or gradation), moisture content, unconfined compression strength tests, and swell tests.
- E. Prepare a technical memorandum summary report of the geotechnical investigation to include:
 1. Appendix with the boring locations, boring logs, laboratory test results, and a key to the symbols used.
 2. Discussion of subsurface conditions and soil properties found by the field and laboratory work and implications for design.
 3. Foundation and site preparation recommendations for the pump station.
 4. General discussion of expected construction related issues.

Task 5 – Environmental

Based on our understanding, the proposed project would not require Section 404 permit authorization from the U.S. Army Corps of Engineers (USACE). If it is determined that the proposed project would require a preconstruction notification (PCN) submittal to the USACE, Professional would notify the City immediately.

- A. Gather and Review Existing Information – Professional will compile readily available existing information and prepare maps of the three proposed project alternative areas. The types of information that will be gathered will include, but are not limited to, U.S. Geological Survey (USGS) 7.5-minute topographic maps, U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) maps, Natural Resources Conservation Service (NRCS) soils maps, as well as recent and historical aerial photographs of the site.

- B. Conduct Site Visit – Professional will conduct a site visit to the three alternative meter vault locations to observe existing environmental conditions and identify types and locations of potential waters of the U.S., if present. This task does not include conducting detailed wetland delineations necessary for the preparation and submittal of a Pre-Construction Notification (PCN) to the USACE. Observations will also include noting the presence of potential habitat for any federally listed threatened or endangered species for Dallas County and evidence of any obvious environmental contamination such as stained soils, sheen on water, etc.
- C. Prepare Technical Memorandum – Information gathered during the site visits will be used to prepare a draft technical memorandum. The memorandum will include discussions of methodologies used, the hydrologic characterization and locations of potential waters of the U.S., if present, and an opinion on their jurisdictional status. The draft technical memorandum will be submitted to the City for review and comment. After incorporating the City’s comments into the document, Professional will submit a final technical memorandum to the City.

Task 6 – Survey

- A. Perform design survey of the approved pump station site, including 1-foot contours, surface features, property lines, manholes, vaults, valves, flow lines, overhead electrical lines, streets, driveways, drainage facilities, fences, utility flagging and marking provided by DIG-TESS, and any potholing performed by the CITY or utility owner.
 - 1. Contact the State One-Call Utility Locate service (DIG TESS) to initiate franchise utilities to locate their infrastructure in the vicinity of the proposed project. Perform field surveys to tie the horizontal location of these facilities.
 - 2. Provide survey control along the pipeline route in a coordinate system and vertical datum as approved by the CITY, and compatible with other pipeline projects.
 - 3. Provide topographic boundary survey for a roughly one (1) acre area. Topographic survey will include all property monuments, apparent easements, property lines, right-of-way lines, fences, pavement, signs, utility markers, indicate all trees eight (8) inches in diameter or larger and the limits of landscaping. Topographic survey will not include individual tree surveys.
 - 4. Provide survey ties to major utility lines, as located by the CITY’s utility and SUE subconsultant.
 - 5. Preparation of up to four (4) easement documents, two (2) permanent and two (2) temporary easements.

Task 7 – Subsurface Utility Engineering (SUE)

- A. Perform SUE at the site selected by the City to help with site layout, facility design and connections.
 - 1. Perform two (2) Level A SUE “potholes” to verify exact location and depth of connection locations.
 - 2. Perform Level B SUE on the selected site to help identify possible utility conflicts.

Task 8 – TCEQ Interconnection Report

This Task can be omitted if the original Interconnection Agreement is located.

Engineer will complete services to assemble an Engineering Report describing the connection of the City of Grand Prairie and the City of Dallas Public Water Systems at the Grand Prairie North Dallas Water Supply Meter Station. The report will address the "Interconnection between Two Public Water Systems Checklist" from the Texas Commission on Environmental Quality (TCEQ). A copy is attached with this agreement. The tasks will include:

- A. Assemble data provided by the City of Grand Prairie and by the City of Dallas. These two parties will provide copies of engineering plans, studies, water quality sampling and analysis, standard operating procedures, water sales contracts, and other similar operational information. If additional water sampling analysis is required, the City of Grand Prairie and/or City of Dallas will provide this from regular sampling programs.
- B. Any data, reports, analysis or design prepared by Freese and Nichols, Inc. (Professional) previously that is pertinent to the study will be reviewed.
- C. Professional will prepare City of Dallas (wholesaler) water system information from its existing Master Plan and any Water Quality Assessment provided.
- D. Professional will prepare City of Grand Prairie (purchaser) water system information from its Water Distribution System Master Plan (by Professional) and any Water Quality Assessment provided
- E. Professional will prepare descriptions of the City of Dallas means of disinfection and corrosion control.
- F. Professional will prepare a draft version of the report for review and approval by the City of Grand Prairie and the City of Dallas.
- G. Professional will submit the Report to TCEQ. Professional will also submit the meter station construction documents to TCEQ.
- H. Professional will respond to comments by TCEQ and finalize the Report to gain TCEQ's approval of the connection.
- I. Professional will attend up to two meetings with the City of Grand Prairie and City of Dallas.
- J. If deemed necessary, Professional will attend one meeting in Austin at the TCEQ offices with the City of Grand Prairie and the City of Dallas.

Task 9 – Bid and Construction Phase

Upon completion of the design services and approval of "Final" drawings and specifications by CITY, Professional will proceed with the performance of services as described below. Professional will endeavor to protect CITY in providing these services however, it is understood that Professional does not guarantee the Contractor's performance, nor is Professional responsible for supervision of the Contractor's operation and employees. Professional shall not be responsible for the means, methods, techniques, sequences or procedures of construction selected by the Contractor, or any safety precautions and programs relating in any way to the condition of the premises, the work of the Contractor or any Subcontractor. Professional shall not be responsible for the acts or omissions of any person (except its own employees or agents) at the Project site or otherwise performing any of the work of the Project.

If general conditions other than Professional standards are used, the CITY agrees to include provisions in the construction contract documents that will require the construction contractor to include Professional and their sub consultants on this Project to be listed as an additional insured on Contractor's insurance policies.

- A. Assist CITY in securing bids. Issue a Notice to Bidders to prospective contractors and vendors listed in Professional's database of prospective bidders, and to selected plan rooms. Provide a copy of the notice to bidders for CITY to use in notifying construction news publications and publishing appropriate legal notice. The cost for publications shall be paid by CITY.
- B. Print Bid Documents and distribute to selected plan rooms, and to prospective bidders that respond to the Notice to Bidders.
- C. Maintain information on entities that have been issue a set of bid documents. Distribute information on plan holders to interested contractors and vendors on request.
- D. Assist Owner by responding to questions and interpreting bid documents. Prepare and issue addenda to the bid documents to plan holders if necessary.
- E. At CITY request, Professional will assist CITY in the opening, tabulating, and analyzing the bids received. Review the qualification information provided by the apparent low bidder to determine if, based on the information available, they appear to be qualified to construct the project. Recommend award of contracts or other actions as appropriate to be taken by CITY. Pre-qualification of all prospective bidders and issuing a list of eligible bidders prior to the bid opening is an additional service.
- F. Assist CITY in the preparation of Construction Contract Documents for construction contracts. Provide ten (10) sets of Construction Contract Documents which include information from the apparent low bidders bid documents, legal documents, and addenda bound in the documents for execution by the CITY and construction contractor. Distribute five (5) copies of these documents to the contractor with a notice of award that includes directions for the execution of these documents by the construction contractor. Provide CITY with the remaining five (5) copies of these documents for use during construction. Additional sets of documents can be provided as an additional service.
- G. Furnish contractor copies of the drawings and specifications for construction pursuant to the General Conditions of the Construction Contract.
- H. Assist CITY in conducting pre-construction conference(s) with the Contractor(s) and review construction schedules prepared by the Contractor(s) pursuant to the requirements of the construction contract.
- I. Establish communication procedures with the CITY and contractor.
- J. Review of up fifty (50) contractor's submittals, including, requests for information, modification requests, shop drawings, schedules, and other submittals in accordance with the requirements of the construction contract documents for the projects.
- K. Based on Professional's observations as an experienced and qualified design professional and review of the Payment Requests and supporting documentation submitted by Contractor, determine the amount that Professional recommends Contractor be paid on monthly and final estimates, pursuant to the General Conditions of the Construction Contract.

- L. Make one (1) visit to the site every month with a maximum of 9 site visits, to observe the progress and the quality of work and to attempt to determine in general if the work is proceeding in accordance with the Construction Contract Documents. In this effort Professional will endeavor to protect the CITY against defects and deficiencies in the work of Contractors and will report any observed deficiencies to CITY. Visits to the site in excess of the specified number are an additional service.
- M. Interpret the drawings and specifications for CITY and Contractor(s). Investigations, analyses, and studies requested by the Contractor(s) and approved by CITY, for substitutions of equipment and/or materials or deviations from the drawings and specifications is an additional service.
- N. Establish procedures for administering constructive changes to the construction contracts. Process contract modifications and negotiate with the contractor on behalf of the CITY to determine the cost and time impacts of these changes. Prepare change order documentation for approved changes for execution by the CITY. Documentation of field orders, where cost to CITY is not impacted, will also be prepared. Investigations, analyses, studies or design for substitutions of equipment or materials, corrections of defective or deficient work of the contractor or other deviations from the construction contract documents requested by the contractor and approved by the Owner are an additional service. Substitutions of materials or equipment or design modifications requested by the CITY are an additional service.
- O. Prepare documentation for contract modifications required to implement modifications in the design of the project. Receive and evaluate notices of contractor claims and make recommendations to the CITY on the merit and value of the claim on the basis of information submitted by the contractor or available in project documentation.
- P. Conduct, in company with CITY's representative, a final review of the Project for conformance with the design concept of the Project and general compliance with the Construction Contract Documents. Prepare a list of deficiencies to be corrected by the contractor before recommendation of final payment. Assist the CITY in obtaining legal releases, permits, warranties, spare parts, and keys from the contractor. Review and comment on the certificate of completion and the recommendation for final payment to the Contractor(s). Visiting the site to review completed work in excess of two trips are an additional service.
- Q. Revise the construction drawings in accordance with the information furnished by construction Contractor(s) reflecting changes in the Project made during construction. Two (2) sets of prints of "Record Drawings" shall be provided by Professional to the CITY.

ARTICLE III

ADDITIONAL SERVICES: Additional Services to be performed by Professional, if authorized by CITY, for additional fee at the rates indicated in Exhibit B, and which are not included in the above described basic services, are described as follows:

- A. Structural Design for a cast-in-place vault.
- B. GIS mapping services or assistance with these services.
- C. Providing services to investigate existing conditions or facilities, or to make measured drawings thereof, or to verify the accuracy of drawings or other information furnished by CITY.
- D. Providing renderings, model and mock-ups requested by the CITY.

- E. Making revisions to drawings, reports or other documents when such revisions are 1) consistent with approvals or instructions previously given by CITY or 2) due to other causes not solely within the control of Professional.
- F. Investigations involving consideration of operation, maintenance and overhead expenses, and the preparation of rate schedules, earnings and expense statements, feasibility studies, appraisals, evaluations, assessment schedules, and material audits or inventories required for certification of force account construction performed by CITY.
- G. Preparing applications and supporting documents for government grants, loans, or planning advances and providing data for detailed applications.
- H. Preparing data and reports for assistance to CITY in preparation for hearings before regulatory agencies, courts, arbitration panels or any mediator, giving testimony, personally or by deposition, and preparations therefore before any regulatory agency, court, arbitration panel or mediator.
- I. Furnishing the services of a Resident Project Representative to act as CITY's on-site representative during the Construction Phase. The Resident Project Representative will act as directed by Professional in order to provide more extensive representation at the Project site during the Construction Phase. Through more extensive on-site observations of the work in progress and field checks of materials and equipment by the Resident Project Representative and assistants, Professional shall endeavor to provide further protection for CITY against defects and deficiencies in the work. Furnishing the services of a Resident Project Representative is subject to the provisions of Article I.
- J. If CITY provides personnel to support the activities of the Resident Project Representative who is Professional or Professional's agent or employee, the duties, responsibilities and limitations of authority of such personnel will be set forth in an Attachment attached to and made a part of this Agreement before the services of such personnel are begun. It is understood and agreed that such personnel will work under the direction of and be responsible to the Resident Project Representative. CITY agrees that whenever Professional informs him in writing that any such personnel provided by the CITY are, in his opinion, incompetent, unfaithful or disorderly, such personnel shall be replaced.
- K. Assisting CITY in claims disputes with Contractor(s).
- L. Performing investigations, studies and analyses of substitutions of equipment and/or materials or deviations from the drawings and specifications.
- M. Assisting CITY in the defense or prosecution of litigation in connection with or in addition to those services contemplated by this Agreement. Such services, if any, shall be furnished by Professional on a fee basis negotiated by the respective parties outside of and in addition to this Agreement.
- N. Performing investigations, studies, and analysis of work proposed by construction contractors to correct defective work.
- O. Design, contract modifications, studies or analysis required to comply with local, State, Federal or other regulatory agencies that become effective after the date of this agreement.
- P. Services required to resolve bid protests or to rebid the projects for any reason.
- Q. Any services required as a result of default of the contractor(s) or the failure, for any reason, of the contractor(s) to complete the work within the contract time.

- R. Providing services after the completion of the construction phase.
- S. Providing basic or additional services on an accelerated time schedule. The scope of this service include cost for overtime wages of employees and consultants, inefficiencies in work sequence and plotting or reproduction costs directly attributable to an accelerated time schedule directed by the CITY.
- T. Providing services made necessary because of unforeseen, concealed, or differing site conditions or due to the presence of hazardous substances in any form.
- U. Preparing statements for invoicing or other documentation for billing other than for the standard invoice for services attached to this professional services agreement.
- V. Provide follow-up professional services during Contractor's warranty period.
- W. Preparation of a Nationwide Permit (NWP) Pre-Construction Notification (PCN) for submittal to the USACE.
- X. Conducting an archeological survey on the selected meter station site.
- Y. Formal delineations of potential waters of the U.S.
- Z. Preparation of a Preliminary Jurisdictional Determination report.
- AA. Conducting a functional or condition assessment (e.g., TXRAM) on waters of the U.S. potentially impacted by the proposed project.
- BB. Preparation of an individual 404 permit application (IP).
- CC. Presence/absence surveys for federally listed threatened/endangered species.
- DD. Application for Texas Parks & Wildlife Department Sand and Gravel Permit.
- EE. Application for General Land Office Easement.
- FF. Consultation with the U.S. Fish and Wildlife Service under Section 7 of the Endangered Species Act.
- GG. Phase I or Phase II Environmental Site Assessment.
- HH. Conducting tree surveys or preparation of tree preservation plans.
- II. Other environmental services not specifically defined in this scope of services.
- JJ. Land Acquisition.
- KK. Provide Original TCEQ Interconnection Approval
- LL. Coordination with the THC under Section 191.0525 (d) of the Antiquities Code of Texas – not required since the project is estimated to neither disturb a cumulative area greater than five acres or more than 5,000 cubic yards.

MM. Conducting tree surveys or preparation of tree preservation plans.

ARTICLE IV

TIME OF COMPLETION: Professional is authorized to commence work on the Project upon execution of this Agreement and agrees to complete the services in accordance with the following schedule:

See attached schedule

Professional reserves the right to extend the completion schedule due to CITY's delays. Additional compensation may be requested by Professional if project is unduly prolonged due to delays beyond the control of Professional.

ARTICLE V

RESPONSIBILITIES OF CITY: CITY shall perform the following in a timely manner so as not to delay the services of Professional:

- A. Designate in writing a person to act as CITY's representative with respect to the services to be rendered under this Agreement. Such person shall have contract authority to transmit instructions, receive information, interpret, and define CITY's policies and decisions with respect to Professional's services for the Project.
- B. Provide all criteria and full information as to CITY's requirements for the Project, including design objectives and constraints, space, capacity and performance requirements, flexibility and expand ability, and any budgetary limitations; and furnish copies of all design and construction standards which CITY will require to be included in the drawings and specifications.
- C. Assist Professional by placing at Professional's disposal all available information pertinent to the Project including previous reports and any other data relative to design or construction of the Project.
- D. Provide information on existing utilities as requested by Professional and agreed to by the CITY.
- E. Arrange for access to and make all provisions for Professional to enter upon public and private property as required for Professional to perform services under this Agreement.
- F. Examine all studies, reports, sketches, drawings, specifications, proposals and other documents presented by Professional, obtain advice of an attorney, insurance counselor and other consultants as CITY deems appropriate for such examination and render in writing decisions pertaining thereto within a reasonable time so as not to delay the services of Professional.
- G. Give prompt written notice to Professional whenever CITY observes or otherwise becomes aware of any development that affects the scope or timing of Professional's services.
- H. Furnish, or direct Professional to provide, Additional Services as stipulated in Exhibit A, Article III of this Agreement or other services as required.
- I. Bear all costs incident to compliance with the requirements of this Article.

EXHIBIT B

COMPENSATION

Compensation to FNI shall be the lump sum fee of Two Hundred Sixty-Two Thousand Seven Hundred Ninety-Seven Dollars (\$262,797.00). If FNI sees the Scope of Services changing so that Additional Services are needed, including but not limited to those services described as Additional Services in Exhibit A, FNI will notify CITY for CITY's approval before proceeding. Additional Services shall be computed based on the Schedule of Charges.

Schedule of Charges:

<u>Position</u>	<u>Min</u>	<u>Max</u>
Professional 1	81	128
Professional 2	105	155
Professional 3	134	214
Professional 4	145	253
Professional 5	202	314
Professional 6	212	385
Construction Manager 1	85	169
Construction Manager 2	116	175
Construction Manager 3	165	197
Construction Manager 4	177	266
CAD Technician/Designer 1	64	124
CAD Technician/Designer 2	100	146
CAD Technician/Designer 3	119	193
Corporate Project Support 1	47	113
Corporate Project Support 2	68	159
Corporate Project Support 3	92	249
Intern / Coop	44	75

Rates for In-House Services

Technology Charge

\$8.50 per hour

Bulk Printing and Reproduction

	<u>B&W</u>	<u>Color</u>
Small Format (per copy)	\$0.10	\$0.25
Large Format (per sq. ft.)		
Bond	\$0.25	\$0.75
Glossy / Mylar	\$0.75	\$1.25
Vinyl / Adhesive	\$1.50	\$2.00
Mounting (per sq. ft.)	\$2.00	
Binding (per binding)	\$0.25	

Travel

Standard IRS Rates

OTHER DIRECT EXPENSES:

Other direct expenses are reimbursed at actual cost times a multiplier of 1.10. They include outside printing and reproduction expense, communication expense, travel, transportation and subsistence away from the FNI office and other miscellaneous expenses directly related to the work, including costs of laboratory analysis, test, and other work required to be done by independent persons other than staff members. For Resident Representative services performed by non-FNI employees and CAD services performed In-house by non-FNI employees where FNI provides workspace and equipment to perform such services, these services will be billed at cost times a multiplier of 2.0. This markup approximates the cost to FNI if an FNI employee was performing the same or similar services.

These ranges and rates will be adjusted annually in February. Last updated February 2018.

360022018

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	1st Quarter Jan Feb Mar	2nd Quarter Apr May Jun	3rd Quarter Jul Aug Sep	4th Quarter Oct Nov Dec
1	✈	Kickoff Meeting	1 day								
2	✈	North Dallas Supply Water Meter Vault	482 days	Fri 1/25/19	Mon 11/30/20						
3	✈	Site Evaluation Study and Tech Memo	119 days	Fri 1/11/19	Wed 6/26/19						
4	✈	Site Visit	1 day	Mon 1/14/19	Mon 1/14/19						
5	✈	Prepare Draft PDR	45 days	Tue 1/15/19	Mon 3/18/19	4					
6	✈	Draft PDR Internal QC and Revisions	15 days	Tue 3/19/19	Mon 4/8/19	5					
7	✈	Submit Draft PDR to the City	1 day	Tue 4/9/19	Tue 4/9/19	6					
8	✈	City Review	20 days	Wed 4/10/19	Tue 5/7/19	7					
9	✈	PDR Review Workshop	1 day	Wed 5/8/19	Wed 5/8/19	8					
10	✈	Address City Comments	10 days	Thu 5/9/19	Wed 5/22/19	9					
11	✈	Final PDR Internal QC and Revisions	10 days	Thu 5/23/19	Wed 6/5/19	10					
12	✈	Submit Final PDR to City	1 day	Thu 6/6/19	Thu 6/6/19	11					
13	📁	Design	244 days	Fri 6/7/19	Wed 5/13/20						
14	📁	70% Design Submittal	87 days	Fri 6/7/19	Mon 10/7/19						
15	✈	Plans, Specs and OPCC	45 days	Fri 6/7/19	Thu 8/8/19	12					
16	✈	70% Internal QC	10 days	Fri 8/9/19	Thu 8/22/19	15					
17	✈	Incorporate QC Comments	10 days	Fri 8/23/19	Thu 9/5/19	16					
18	✈	Submit to the City	1 day	Fri 9/6/19	Fri 9/6/19	17					
19	✈	City Review	20 days	Mon 9/9/19	Fri 10/4/19	18					
20	📁	Review Workshop with City	1 day	Mon 10/7/19	Mon 10/7/19	19					
21	📁	95% Design Submittal	87 days	Tue 10/8/19	Wed 2/5/20						
22	✈	Plans, Specs and OPCC	45 days	Tue 10/8/19	Mon 12/9/19	20					
23	✈	95% Internal QC	10 days	Tue 12/10/19	Mon 12/23/19	22					
24	✈	Incorporate QC Comments	10 days	Tue 12/24/19	Mon 1/6/20	23					
25	✈	Submit to the City	1 day	Tue 1/7/20	Tue 1/7/20	24					
26	✈	City Review	20 days	Wed 1/8/20	Tue 2/4/20	25					
27	✈	Review Workshop with City	1 day	Wed 2/5/20	Wed 2/5/20	26					
28	📁	100% Design Submittal	70 days	Thu 2/6/20	Wed 5/13/20						
29	✈	Plans, Specs and OPCC	20 days	Thu 2/6/20	Wed 3/4/20	27					
30	✈	100% Internal QC	5 days	Thu 3/5/20	Wed 3/11/20	29					
31	✈	Incorporate QC Comments	5 days	Thu 3/12/20	Wed 3/18/20	30					
32	✈	Prepare Bid Documents	5 days	Thu 3/19/20	Wed 3/25/20	31					
33	✈	TCEQ Submittal	45 days	Thu 3/12/20	Wed 5/13/20	30					
34	✈										

Project: Grand Prairie North Dallas

Date: Tue 11/13/18

Task

Split

Milestone

Summary

Project Summary

External Tasks

External Milestone

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

Deadline

Progress