

**RESOLUTION 25-R-074**

**A RESOLUTION BY THE CITY COUNCIL OF THE CITY OF SCHERTZ, TEXAS AUTHORIZING A TASK ORDER AGREEMENT WITH UNITECH CONSULTING ENGINEERS, INC., FOR PROFESSIONAL ENGINEERING-RELATED SERVICES ON THE NORTHCLIFFE COUNTRY CLUB ESTATES WATER AND WASTEWATER MAIN REPLACEMENT PROJECT, AND UPDATING THE ASSOCIATED CAPITAL IMPROVEMENT PLAN PROJECT SHEETS**

**WHEREAS**, the City of Schertz has determined that it requires professional engineering-related services for the design of the Northcliffe Country Club Estates Water and Wastewater Main Replacement project; and

**WHEREAS**, Unintech Consulting Engineers, Inc. is an approved On-Call Engineering Firm for the City of Schertz; and

**WHEREAS**, City staff has determined that Unintech Consulting Engineers, Inc. is uniquely qualified to provide such services for the City; and

**WHEREAS**, pursuant to Section 252.022(a)(4), the City is not required to seek bids or proposals with respect to a procurement for personal, professional, or planning purposes; and

**WHEREAS**, the City Council has determined that it is in the best interest of the City to contract with Unintech Consulting Engineers, Inc for professional engineering-related services for the design of the Northcliffe Country Club Estates Water and Wastewater Main Replacement project.

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

Section 1. The City Council hereby authorizes the City Manager to execute and deliver the Task Order Agreement with Unintech Consulting Engineers, Inc. in substantially the form set forth as Exhibit A in the amount of \$521,048, and a total not-to-exceed amount of \$570,000.

Section 2. The City Council hereby amends the Comprehensive Capital Improvement Plan Project Sheet for the project to reflect the increased amount for professional services and include an increased budget for construction and overall contingency.

Section 3. The recitals contained in the preamble hereof are hereby found to be true, and such recitals are hereby made a part of this Resolution for all purposes and are adopted as a part of the judgment and findings of the City Council.

Section 4. All resolutions, or parts thereof, which are in conflict or inconsistent with any provision of this Resolution are hereby repealed to the extent of such conflict, and the provisions of this Resolution shall be and remain controlling as to the matters resolved herein.

Section 5. This Resolution shall be construed and enforced in accordance with the laws of the State of Texas and the United States of America.

Section 6. If any provision of this Resolution or the application thereof to any person or circumstance shall be held to be invalid, the remainder of this Resolution and the application of such provision to other persons and circumstances shall nevertheless be valid, and the City Council hereby declares that this Resolution would have been enacted without such invalid provision.

Section 7. It is officially found, determined, and declared that the meeting at which this Resolution is adopted was open to the public and public notice of the time, place, and subject matter of the public business to be considered at such meeting, including this Resolution, was given, all as required by Chapter 551, Texas Government Code, as amended.

Section 8. This Resolution shall be in force and effect from and after its final passage, and it is so resolved.

PASSED AND APPROVED on the \_\_\_\_\_ day of \_\_\_\_\_, 2025.

CITY OF SCHERTZ, TEXAS

\_\_\_\_\_  
Ralph Gutierrez, Mayor

ATTEST:

\_\_\_\_\_  
Sheila Edmondson, City Secretary

**EXHIBIT A**  
**TASK ORDER AGREEMENT**

# TASK ORDER NO. 005

This is Task Order No. **005**,  
consisting of 6 pages.

In accordance with Paragraph 1.01, Main Agreement, of the Agreement Between Owner and Engineer for Professional Services—Task Order Edition dated **[date]** , Owner and Engineer agree as follows:

## 1. TASK ORDER DATA

a.	Effective Date of Task Order:	
b.	Owner:	<b>City of Schertz</b>
c.	Engineer:	<b>Unintech Consulting Engineers, Inc.</b>
d.	Specific Project (title)	<b>Norcliffe Country Club Estates Reconstruction</b>
e.	Specific Project (description):	Civil and Survey Engineering design services for the replacement of existing water mains, sewer mains, and street reconstruction of Charleston, Columbia, Foxbriar Lane, Wimbledon Drive and Fairways Drive
f.	Related Task Orders Supplemented by this Task Order:  Superseded by this Task Order:	

## 2. BASELINE INFORMATION

**Baseline Information.** Owner has furnished the following Specific Project information to Engineer as of the Effective Date of the Task Order. Engineer's scope of services has been developed based on this information. As the Specific Project moves forward, some of the information may change or be refined, and additional information will become known, resulting in the possible need to change, refine, or supplement the scope of services.

Specific Project Title:	<b>Norcliffe Country Club Estates Reconstruction</b>
Type and Size of Facility:	Local Type A Class Road – 7,500 linear feet
Description of Improvements:	Replace existing water main and sewer mains. Reconstruct the street with a new residential street section.

Expected Construction Start:	December 2025
Prior Studies, Reports, Plans:	
Facility Location(s):	City of Schertz. Northcliff Country Club Estates.
Current Specific Project Budget:	EST \$6,175,380.00
Funding Sources:	TBD
Known Design Standards:	City of Schertz Public Works Design Guide, AASHTO Guide for Design of Pavement Structures 1993 Edition
Known Specific Project Limitations:	Charleston, Columbia, Foxbriar Lane, Wimbledon Drive and Fairways Drive
Specific Project Assumptions:	<p>Residential street to be a local street with 30-foot pavement width, resurface with new HMAC, reclaim base to address base failure and establish consistent grade, replace curb and driveway as necessary. Wheelchair ramps to be installed at each intersection.</p> <p>Replace existing 8-inch water mains and services up to the existing meters with similar sized water mains and services.</p> <p>Replace/rehabilitate existing 8-inch sewer mains and reconnect services with similar sized sewer mains. Replace outfall segment by pipe bursting</p>
Other Pertinent Information:	<p>Project is not in the Edwards Aquifer Regulated Zones, is not within an area known for environmentally sensitive features, is not located within a FEMA designated flood hazard area.</p> <p>A geotechnical sampling and report will be required.</p> <p>A CCTV of the existing sewer mains will be obtained to verify sewer main replacement/rehabilitation efforts</p>

### 3. SERVICES OF ENGINEER (“SCOPE”)

- A. The specific Basic Services to be provided or furnished by Engineer under this Task Order are:
  - Exhibit A to Task Order, “Engineer's Services for Task Order,” as attached to this specific Task Order.
- B. All the services included above comprise Basic Services for purposes of Engineer's compensation under this Task Order, with the exception of Resident Project Representative Services, if any, which are compensated separately.

Task Order.

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- C. Resident Project Representative (RPR) Services:
  - 1. If the Scope established in Paragraph 2.A above includes RPR services, then Exhibit D to Task Order is expressly incorporated in this Task Order by reference.
- D. Additional Services: Services not expressly set forth as Basic Services in Paragraph 3.A above, and necessary services listed as not requiring Owner's written authorization, or requiring additional effort in an immediate, expeditious, or accelerated manner as a result of unanticipated construction events or Specific Project conditions, are Additional Services, and will be compensated by the method indicated for Additional Services in this Task Order. All other Additional Services require mutual agreement and may be authorized by amending the Task Order as set forth in Paragraph 8.05.B.2 of the Main Agreement, with compensation for such other Additional Services as set forth in the amending instrument.

**4. DELIVERABLES SCHEDULE**

- A. In submitting required Documents and taking other related actions, Engineer and Owner will comply with Exhibit B to Task Order, attached to this specific Task Order.

**5. ADDITIONS TO OWNER'S RESPONSIBILITIES**

- A. Owner shall have those responsibilities set forth in Article 2 of the Main Agreement, and the following supplemental responsibilities that are specific to this Task Order:
  - 1. **Deliver and obtain Right of Entry to property owners within the limits of the project, but outside of existing right of way, that require access for the engineer or subconsultants.**
  - 2. **Provide easement and right of way acquisition negotiation.**

**6. TASK ORDER SCHEDULE**

- A. In addition to any schedule provisions provided in Exhibit B or elsewhere, the parties shall meet the following schedule: **Not Applicable**

Date	Action / Milestone	Comment

**7. ENGINEER'S COMPENSATION**

- A. The terms of payment are set forth in Article 4 of the Main Agreement.
- B. Owner shall pay Engineer for services rendered under this Task Order as follows:

Description of Service	Amount	Basis of Compensation
1. Basic Services		
a. Preliminary Design Phase	\$281,177.00	<b>LUMP SUM</b>
b. Final Design Phase	\$164,722.00	<b>LUMP SUM</b>
c. Bid Phase	\$ 12,956.00	<b>LUMP SUM</b>
d. Construction	\$ 27,332.00	<b>LUMP SUM</b>
e. Closeout	\$ 4,461.00	<b>LUMP SUM</b>
2. Resident Project Representative Services*	<b>N/A</b>	<b>N/A</b>
TOTAL COMPENSATION (items 1 and 2)	<b>\$490,648.00</b>	
3. Additional Services under Section 3.D above	<b>\$ 30,400.00</b>	
**SUE Level A Locates (6.1-10 ft) (Estimated 4 @ \$3,100/ea)	\$12,400.00	<b>LUMP SUM</b>
**SUE Level B (lump sum) (ROW estimated 1000 lf)	\$18,000.00	<b>LUMP SUM</b>

\*Based on an **12-month** continuous construction period.

\*\* Estimated amount. To be verified after extent of services verified by survey

C. Compensation items and totals based in whole or in part on Hourly Rates or Direct Labor are estimates only. Lump sum amounts and estimated totals included in the breakdown by phases incorporate Engineer's labor, overhead, profit, reimbursable expenses (if any), and Subconsultants' charges, if any. For lump sum items, Engineer may alter the distribution of compensation between individual phases (line items) to be consistent with services actually rendered but shall not exceed the total lump sum compensation amount unless approved in writing by the Owner.

**8. ENGINEER'S PRIMARY SUBCONSULTANTS FOR TASK ORDER, AS OF THE EFFECTIVE DATE OF THE TASK ORDER:**

- A. **Geotechnical (Terracon)**
- B. **Underground Services, Inc (SoftDIG)**
- C. **Sewer Main CCTV (Ace Pipe Cleaning)**

Task Order.

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**9. EXHIBITS AND ATTACHMENTS:**

- A. Exhibit A to Task Order—Engineer's Services Under Task Order
- B. Exhibit B to Task Order—Task Order Deliverables Schedule
- C. Exhibit D to Task Order—Duties, Responsibilities, and Limitations of Authority of Resident Project Representative Under Task Order
- D. Exhibit E to Task Order-EJCDC® C-626, Notice of Acceptability of Work (Form)
- E. Other:

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Task Order.

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Execution of this Task Order by Owner and Engineer makes it subject to the terms and conditions of the Main Agreement and its exhibits and appendices, which Main Agreement, exhibits, and appendices are incorporated by this reference.

OWNER:

By: \_\_\_\_\_  
Print Name: \_\_\_\_\_  
Title: \_\_\_\_\_

ENGINEER:

By: Mark B Hill  
Print Name: Mark B Hill, PE  
Title: Director and Shareholder

Engineer's License or Firm's  
Certificate No. (if required): 94904  
State of: Texas

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
E-Mail  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Date: \_\_\_\_\_

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Mark B Hill  
Title: Director and Shareholder  
Address: 2431 E. Evans Rd  
San Antonio, Texas  
E-Mail  
Address: [mhill@unintech.com](mailto:mhill@unintech.com)  
Phone: 210-641-6003  
Date: 5-14-2025

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**1.**

Article 1 of the Main Agreement, Services of Engineer, is supplemented to include the following provisions:

Engineer shall provide Basic and Additional Services as set forth below.

**ARTICLE 1—BASIC SERVICES**

1.01 Management of Engineering Services

A. See Main Agreement, Paragraph 1.03.

1.02 Study and Report Phase

~~A. Engineer shall:~~

~~1. Consult with Owner to define and clarify Owner’s requirements for the Specific Project, including design objectives and constraints, space, capacity and performance requirements, flexibility, and expandability, and any budgetary limitations, and identify available data, information, reports, facilities plans, and site evaluations.~~

~~a. If Owner has already identified one or more potential solutions to meet its Specific Project requirements, then proceed with the study and evaluation of the Owner-identified potential solutions listed here:~~

~~1) [List the specific potential solutions to be studied and evaluated here].~~

~~b. If Owner has not identified specific potential solutions for study and evaluation, then assist Owner in determining whether Owner’s requirements, and available data, reports, plans, and evaluations, point to a single potential solution for Engineer’s study and evaluation, or are such that it will be necessary for Engineer to identify, study, and evaluate multiple potential solutions.~~

~~c. If it is necessary for Engineer to identify, study, and evaluate multiple potential solutions, then identify [insert specific number] alternative solutions potentially~~

~~available to Owner, unless Owner and Engineer mutually agree that some other specific number of alternatives should be identified, studied, and evaluated.~~

- ~~2. Identify potential solution(s) to meet Owner's Specific Project requirements, as needed.~~
- ~~3. Study and evaluate the potential solution(s) to meet Owner's Specific Project requirements.~~
- ~~4. Visit the Site, or potential Specific Project sites, to review existing conditions and facilities, unless such visits are not necessary or applicable to meeting the objectives of the Study and Report Phase.~~
- ~~5. Assess initially available Specific Project information and data, including the Baseline Information set forth at the beginning of this Exhibit A.~~
- ~~6. Advise Owner of any need for Owner to obtain, furnish, or otherwise make available to Engineer additional Specific Project related information and data, for Engineer's use in the study and evaluation of potential solution(s) to Owner's Specific Project requirements, and preparation of a related report.~~
- ~~7. After consultation with Owner, recommend the solution(s) which in Engineer's judgment meet Owner's requirements for the Specific Project.~~
- ~~8. Identify, consult with, and analyze requirements of authorities having jurisdiction to permit or approve construction or operation of the portions of the Specific Project to be designed or specified by Engineer, including but not limited to impacts and mitigating measures identified in previously prepared environmental assessments for the Specific Project provided to the Engineer or being concurrently prepared for Owner by others.~~
- ~~9. Advise the Owner of any need for Owner to provide data or services of the types described in Article 2 of the Agreement, for use in Specific Project design, or in preparation for Contractor selection and construction.~~
- ~~10. Assist Owner in evaluating the possible use of building information modeling; civil integrated management; geotechnical baselining of subsurface conditions at the Site; innovative design, contracting, or procurement strategies; project delivery method; or other strategies, technologies, or techniques for assisting in the design, construction, and operation of Owner's facilities. The subject matter of this paragraph will be referred to in Exhibit A as "Specific Project Strategies, Technologies, and Techniques."~~
- ~~11. Assist Owner in identifying opportunities for enhancing the sustainability of the Specific Project, and pursuant to Owner's instructions, plan for the inclusion of sustainable features in the design.~~
- ~~12. Review with Owner the thresholds established in applicable codes, standards, and design criteria specifically governing the ability of the proposed facilities or improvements to perform, and to absorb or avoid damage without suffering complete or substantial failure. As part of the review, identify additional risk assessment studies or tools that are available to evaluate the susceptibility of the facilities or improvements to natural and man-made events beyond the applicable established thresholds. Upon Owner request, as an additional service, perform additional risk assessment studies or tools to further evaluate system resiliency beyond the applicable established thresholds.~~

~~13. Utilities, including Underground Facilities~~

- ~~a. Review any utility mapping and surveys and other utilities documentation made available by Owner. Take note of observable utilities during Site visit.~~
- ~~b. Identify, in a preliminary manner and to the extent determinable by such mapping or other information provided by Owner, and by observations at the Site, those utilities (whether above ground utilities of any type, or Underground Facilities) likely to be affected by the Specific Project construction and additional utility facilities or extensions that will be needed to serve the Specific Project.~~
- ~~c. If the impact on existing utilities or the need for additional utility facilities or extensions cannot reasonably be determined in a preliminary manner from mapping or other information provided by Owner, or such information was not available from Owner, then assist Owner in evaluating the need to either obtain additional utility mapping and utility documentation during the Study and Report Phase, or undertake other alternative approaches and contingencies to account for utility uncertainties in this phase.~~
- ~~d. Advise Owner of additional utility documentation and coordination needed during the design and construction phases to adequately assess, mitigate, and manage the impact of the Specific Project (including any additional utility facilities or extensions needed to serve the Specific Project) on existing utilities.~~
- ~~e. Use ASCE 38, "Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data" as a means to advise the Owner regarding the extent and identification and mapping of existing Underground Facilities during the design and construction phases.
  - ~~1) If Owner has retained a land surveyor, utility engineer, or utility consultant, collaborate with such individuals or entities regarding the application of ASCE 38.~~~~

~~14. Inquire regarding survey methodologies and technologies that would aid in addressing Owner's Specific Project requirements. Develop a scope of work and survey limits for any topographic and other surveys necessary for design. For recommended survey deliverables, specify a) required technical specifications; b) pertinent datum; c) survey limits, and d) formats of deliverables. Collaborate with land surveyor, when separately retained by Owner or third party, to develop such scope of work.~~

~~15. Prepare a report (the "Report") which will, as appropriate, contain schematic layouts, sketches, and conceptual design criteria with appropriate exhibits to indicate the agreed-to requirements, considerations involved, and Engineer's recommended solution(s).~~

- ~~a. For each recommended solution, Engineer will separately tabulate Total Project Cost, itemizing those items and services included within the definition of Total Project Costs.~~
- ~~b. Engineer will meet with Owner to discuss the draft Report and receive Owner's comments.~~

~~16. Perform or provide the following other Study and Report Phase tasks or deliverables:~~

~~a. [List any such tasks or deliverables here].~~

~~17. Furnish the Report and any other Study and Report Phase deliverables to Owner pursuant to the requirements of the Deliverables Schedule in Exhibit B, and review the deliverables with Owner.~~

~~18. Revise the Report and any other Study and Report Phase deliverables in response to Owner's comments, as appropriate, and submit revised deliverables pursuant to the Deliverables Schedule.~~

~~B.A. Engineer's services under the Study and Report Phase will be considered complete on the date when Engineer has delivered to Owner the final Report (as revised) and any other Study and Report Phase deliverables. Not included in this task order~~

### 1.03 Preliminary Design Phase

- A. After acceptance by Owner of the Report and any other Study and Report Phase deliverables (if Engineer's services under this Agreement included Study and Report Phase services); selection by Owner of a recommended solution; issuance by Owner of any instructions for use of Specific Project Strategies, Technologies, and Techniques, or for inclusion of sustainable features in the design, or enhanced resiliency of the design; indication by Owner of any specific modifications or changes in the scope, extent, character, or design requirements of the Specific Project desired by Owner; and any necessary changes, refinements, and supplementation of the Baseline Information set forth at the beginning of this Exhibit A, Engineer and Owner shall discuss, resolve, and document in writing any necessary revisions to Engineer's scope of services, compensation (through application of the provisions regarding Additional Services, or otherwise), and the time for completion of Engineer's services, resulting from the selected solution, related Specific Project Strategies, Technologies, or Techniques, sustainable design and resiliency instructions, specific modifications to the Specific Project, or changes, refinements, or supplementation of the Baseline Information.
- B. Upon written authorization from Owner, Engineer shall:
1. Review and assess all available Specific Project information and data, including any pertinent reports or studies (whether prepared by Engineer or others) and any related instructions from Owner.
  2. Based on the threshold review and assessment of available information and data, advise Owner of any need for Owner to obtain, furnish, or otherwise make available to Engineer any additional information and data, for Engineer's use in the preparation of a Preliminary Design Phase Report.
  3. Prepare a Preliminary Design Phase Report in the following format
    - a. **narrative report with calculations and summary of design decisions as described below**
    - b. **assemblage of preliminary construction plans.**
  4. The Preliminary Design Phase Report will consist of final design criteria, preliminary drawings, a preliminary list of expected specifications, and written descriptions of the

Specific Project. The Preliminary Design Phase Report will consider the following matters to the extent applicable to the Specific Project and as necessary to establish the basis of design for proceeding to final design and construction:

- a. The Specific Project concept, intent, performance criteria, desired outcomes, Owner's standards and Owner directed improvements and facility elements as established in the Study and Report Phase and as expressly set forth in the Baseline Information section of this Exhibit A (collectively the "Specific Project Goals").
  - b. Recommended appropriate design criteria for each primary portion and significant discipline of the design necessary to address the Specific Project Goals.
  - c. Site conditions and characterization as known at the time of, or to be determined during, the Preliminary Design Phase, including topography; subsurface information; Constituents of Concern; cultural, historical, and archaeological resources at the Site; wetlands information; and evaluations of flora and fauna that may be affected by the Specific Project.
  - d. The time schedule for completion of the Specific Project in accordance with Specific Project Goals, including any recommended changes to the time required to complete the Final Design Phase (as set forth in Exhibit B, Deliverables Schedule) and estimated schedule(s) for construction.
  - e. Identification of major items of materials and equipment, rationale for selection with consideration of quality, suitability, pricing, sourcing, regulatory, and bidding issues affecting recommended selection.
  - f. Revised opinions of probable Construction Cost.
  - g. The impact of Specific Project Strategies, Technologies, and Techniques, sustainable features, and enhanced resiliency selected by Owner for inclusion in the Specific Project on the Specific Project Goals, schedule and probable Construction Cost, including impact of multiple prime construction contracts, separate procurement of materials or equipment, and other alternate project delivery methods when the Specific Project Goals necessitate and Owner authorizes;
  - h. Construction Phase quality assurance and quality control needs affecting development of Drawings and Specifications and other Final Design and Bidding Phase documents.
  - i. The effect of permits and authorizations by other entities and utility coordination needs on the Specific Project.
  - j. Other matters and information pertinent to addressing the Specific Project Goals.
5. In preparing the Preliminary Design Phase Report, use any specific applicable Specific Project Strategies, Technologies, and Techniques authorized by Owner during or following the Study and Report Phase, and include sustainable features and enhanced resiliency, as appropriate, pursuant to Owner's instructions.
  6. Visit the Site as needed to prepare the Preliminary Design Phase Report.

7. If at any point in the Preliminary Design Phase it becomes apparent to Engineer that additional reports, data, information, or services of the types described in Article 2 are necessary, then so advise Owner, and assist Owner in obtaining such reports, data, information, or services.
8. Above-Ground Utilities
  - a. Review above-ground utilities information obtained from Owner and from observations at the Site.
  - b. Make recommendations regarding any further identification, investigation, and mapping of above-ground utilities at or adjacent to the Site, for Engineer's design purposes or otherwise.
  - c. Account for above-ground utilities, based on available information, when advancing design during the Preliminary Design Phase.
9. Underground Facilities
  - a. Review Underground Facilities data furnished by Owner. Assist Owner in reducing and managing risks associated with Underground Facilities by working together with Owner to jointly establish a procedure ("Underground Facilities Procedure") for the further identification, investigation, and mapping of Underground Facilities at or adjacent to the Site, using ASCE 38, "Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data," as a basis for establishing such Underground Facilities Procedure.
  - b. Such Underground Facilities Procedure must take into account the Site and the nature of the Specific Project.
  - c. Use the Underground Facilities Procedure to aid in the performance of design services:
    - 1) Account for Underground Facilities, based on available information, when advancing the design during the Preliminary Design Phase.
    - 2) The Underground Facilities Procedure will include a plan to keep Underground Facilities information current as Engineer proceeds with the provision of design services, and to add new or relocated Underground Facilities information to the base utility or Site drawings.
    - 3) To manage the potential impact of design changes on Underground Facilities, Engineer shall work together with Owner to modify or reapply the Underground Facilities Procedure as the design progresses and changes.
10. Mitigation of Utilities Conflicts
  - a. Identify potential conflicts between the Specific Project (including existing and new facilities and structures) and above-ground utilities and Underground Facilities as reviewed in Exhibit A Paragraphs 1.03.B.8 and 9 above, and advise Owner regarding the need for resolution of such conflicts with utility and Underground Facilities owners and permit agencies. Identify the potential need for the relocation of existing above-ground utilities and Underground Facilities.

- b. Update the Underground Facilities Procedure as necessary for any Underground Utilities conflicts and relocations.
  - c. Working together with Owner, jointly identify which specific parties or other entities will be responsible for implementation of the various specific parts of the Underground Facilities Procedure (including those parts that address resolution of Underground Facilities conflicts), and for resolution of above-ground utilities conflicts. Such identification will take into account Owner's authority and standing, as owner of the Site, with respect to Underground Facilities and above-ground utilities.
    - 1) To the extent that Owner and Engineer agree that in addition to performing the design-related obligations set forth in Exhibit A Paragraphs 1.03.B.8 and 9, Engineer will also implement any non-design part of the Underground Facilities Procedure (including resolution of Underground Facilities conflicts), or undertake resolution of above-ground utilities conflicts, such additional duties will be Additional Services under Article 2 of this Exhibit A.
11. Surveys, Topographic Mapping, and Utility Documentation
- a. Coordinate with Owner's utility engineer, utility consultant, or land surveyor for the necessary field surveys, topographic mapping, and utility documentation required for Engineer's design purposes, or by the Underground Facilities Procedure.
  - b. If no scope of work and procedure for utility documentation has been established, selected, or authorized, then at a minimum Engineer will contact utility owners and obtain available information. Except as otherwise provided in this Agreement, Owner acknowledges that the information gathered from utility owners may be incorrect, incomplete, outdated, or otherwise flawed, and as to Engineer, bidders, and Contractor, the Owner accepts all associated risks. Owner reserves all associated rights as to recourse against the sources of such flawed information and against third parties.
12. Prepare initial draft of a comprehensive permit document that identifies Owner's permit duties, Engineer's permit duties, and Contractor's permit duties, and the schedule for permitting activities.
13. Continue to assist Owner with Specific Project Strategies, Technologies, and Techniques that Owner has chosen to implement in Exhibit A Paragraph 1.03.A.
14. Obtain Owner's instructions regarding Owner's procurement of construction services (including ~~instructions regarding advertisements for bids,~~ instructions to bidders, and requests for proposals, as applicable), Owner's construction contract practices and requirements, insurance and bonding requirements, electronic transmittals during construction, and other information necessary for the finalization of Owner's Bidding/Proposal Documents and Front-End Construction Contract Documents.
- a. Also obtain copies of Owner's standard Bidding/Proposal Documents and Front-End Construction Contract Documents (~~if other than~~ [modified version of](#) the EJCDC ~~2018~~ Construction Series documents), and any other related documents or content

for Engineer to include in drafts of the Specific Project-specific Bidding/Proposal Documents and Front-End Construction Contract Documents, when applicable.

- b. Review Owner's instructions regarding procurement, bidding and contracting of construction services with respect to effects on the Specific Project design, schedule and construction and address as needed in the Preliminary Design Phase deliverables.
15. Prepare the Preliminary Design Phase Report. This Report will consist of, as appropriate, separate or combined submittals in whole or summary, the Preliminary Design Phase documents listed in Exhibit A Paragraph 1.03.B.4, and Engineer's findings and recommendations for advancing the Specific Project to the Final Design Phase (including Engineer's findings and recommendations, if any, regarding permitting, utilities, and Underground Facilities). The submittal will be in the format of a report, or otherwise organized and assembled for ease and practicality of use.
- a. Based on the information contained in the Preliminary Design Phase documents, prepare a revised opinion of probable Construction Cost, and on the basis of information furnished by Owner, assist Owner in tabulating the various cost categories which comprise Total Project Costs.
  - b. Engineer will meet with Owner to discuss the draft Preliminary Design Phase submittal and receive Owner's comments.
16. Perform or provide the following other Preliminary Design Phase tasks or deliverables:
- a. **Topographic Survey: Establish primary control for the length of the project. Provide survey quality level C utility locates, develop an existing conditions model for the width of the anticipated right of way**
  - b. **Roadway Design: Provide typical existing and proposed roadway sections following City of Schertz Design Criteria. Establish a proposed roadway horizontal and vertical profiles. Provide plan and profile for the street at a 1:20 scale on 22"x34" plan sheets. Provide cross sections of the proposed roadway at 50-foot per City design criteria. Provide a summary of driveway improvements.**
  - c. **Drainage Design: Provide a drainage area map and model existing and proposed hydrology per the city design criteria. Appropriately size and situate culvert design at stream crossings. Provide culvert plans and sections.**
  - d. **Utility Design: Coordinate with non- City maintained utilities located within the construction limits. Provide plans and profiles, as appropriate, for relocation of existing water utilities as necessary.**
  - e. **Temporary Traffic Control Design: Provide Preliminary plans for construction phasing, traffic control sections and construction phasing layout.**
17. Furnish the Preliminary Design Phase Report, opinion of probable Construction Cost, and any other Preliminary Design Phase deliverables to Owner pursuant to the requirements of the Deliverables Schedule in Exhibit B, and review the deliverables with Owner.

18. Revise the Report and any other deliverables in response to Owner's comments, as appropriate, and submit revised deliverables pursuant to the Deliverables Schedule.
- C. Engineer's services under the Preliminary Design Phase will be considered complete on the date when Engineer has delivered to Owner the final Preliminary Design Phase Report (as revised) and associated documents, revised opinion of probable Construction Cost, and any other Preliminary Design Phase deliverables.

#### 1.04 Final Design Phase

- A. After acceptance by Owner of the Preliminary Design Phase Report and any other Preliminary Design Phase deliverables; issuance by Owner of any instructions for specific modifications or changes in the scope, extent, character, or design requirements of the Specific Project desired by Owner; and any necessary changes, refinements, and supplementation of the Baseline Information set forth at the beginning of this Exhibit A, Engineer and Owner shall discuss, resolve, and document any necessary revisions to Engineer's scope of services, compensation (through application of the provisions regarding Additional Services, or otherwise), and the time for completion of Engineer's services, resulting from specific modifications to the Specific Project, or changes, refinements, or supplementation of the Baseline Information.
  1. The number of prime contracts for Work designed or specified by Engineer upon which the Engineer's compensation has been established under this Agreement is **one (1)**. If more prime contracts are awarded, Engineer shall be entitled to an equitable increase in its compensation under this Agreement.
  2. If more than one prime construction contract is to be awarded for the Work designed or specified by Engineer, then Owner shall define and set forth (in an exhibit to this Agreement, or in a subsequent document) the duties, responsibilities, and limitations of authority of a person or entity that will have authority and responsibility for coordinating the activities among the various prime Contractors, and any resulting changes in the duties, responsibilities, and authority of Engineer.
  3. In the event that the Work designed or specified by Engineer is to be performed or furnished under more than one prime construction contract, or if Engineer's services are to be separately sequenced with the work of one or more separate design professional consultants or prime Contractors (such as in the case of fast-tracking), Owner and Engineer shall, prior to commencement of the Final Design Phase, develop a schedule for performance of Engineer's services during the Final Design, Bidding/Proposal, Construction, and Post-Construction Phases in order to sequence and coordinate properly such services as are applicable under such separate prime construction contracts. This schedule is to be prepared and included in or become an amendment to Exhibit A whether or not the work under such construction contracts is to proceed concurrently.
- B. Upon written authorization from Owner, Engineer shall prepare final Drawings and Specifications indicating the scope, extent, and character of the Work to be performed and furnished by Contractor, in accordance with the Preliminary Design Phase Report (as revised) and other Preliminary Design Phase deliverables. As part of the preparation of the Drawings and Specifications, Engineer shall prepare interim drafts and final Drawings and Specifications as follows, pursuant to the Deliverables Schedule in Exhibit B:

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Exhibit A—Engineer's Services Under Task Order.

Exhibits to Task Order. EJCDC® E-505, Agreement between Owner and Engineer for Professional Services—Task Order Edition.

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1. First Final Design Phase draft of all Drawings and Specifications.
  - ~~2.—Second Final Design Phase draft of all Drawings and Specifications, addressing Owner comments and including appropriate design advancement.~~
  - ~~3-2.~~ Final Drawings and Specifications that address Owner comments; complete the design; are suitable for estimating and pricing by prospective Contractors; and are complete and ready for construction.
- C. In preparing the Specifications (and any bidding, contract, or other documents that are part of Engineer's scope of services), Engineer shall obtain from Owner or Owner's legal counsel any relevant constraints such as requirements for use of domestic steel and iron, other domestic purchasing requirements, statutory restrictions on utilizing proprietary specifying methods, and the like, and comply with or account for such constraints in drafting Specifications, Bidding/Proposal Documents, and other Specific Project documents.
- D. Engineer shall prepare or assemble draft Bidding/Proposal Documents and Front-End Construction Contract Documents as follows:
1. Such documents will be based on the 2018 EJCDC Construction Documents, and on the specific bidding or Contractor selection-related instructions and forms, contract forms, text, or other content received from Owner.
  2. When Engineer is required to use other than the 2018 EJCDC Construction Documents, then as required in the Preliminary Design Phase Owner will furnish to Engineer a copy of the required documents to be used for the Specific Project's Bidding/Proposal Documents and Front-End Construction Contract Documents. Prior to the first Final Design Phase submittal, Engineer will review the bidding and contracting documents furnished by Owner and provide comments to Owner. Engineer will meet with Owner to discuss Engineer's comments. Owner will consider Engineer's recommendations to revise Owner's documents for the Specific Project.
  3. Engineer will furnish to Owner, for review by Owner's legal counsel, the draft Bidding/Proposal Documents and Front-End Construction Contract Documents. Owner and Owner's legal counsel must transmit to Engineer, in a timely manner, one coordinated set of comments and revisions to the draft documents.
- E. During the Final Design Phase the Engineer shall continue to account for above-ground utilities and Underground Facilities as the design advances and is finalized. This may include:
1. performing the services assigned to Engineer under the Underground Facilities Procedure described in Exhibit A Paragraph 1.03 above, including but not limited to the design-related tasks in Exhibit A Paragraph 1.03.B.9.
  2. addressing required and proposed activities or mitigations identified in the analysis of utilities and by the Underground Facilities Procedure as having an impact on the final design, and considering such in preparing the Drawings and Specifications.
- F. Engineer shall perform or furnish the following other Final Design Phase services:
1. Visit the Site as needed to assist in preparing the final Drawings and Specifications.
  2. Assist with or prepare applications for permits and approvals, as follows:

- a. Update comprehensive permit document created in Preliminary Design Phase for Final Design detail.
  - b. Prepare the following applications for Owner's submittal to authorities having jurisdiction over the construction or operation of the Specific Project:
    - 1) **Texas Department of Licensing and Regulation for ADA Compliance and permitting if the monetary amount of pedestrian improvements exceeds \$50,000.**
  - c. Confer with Owner regarding revisions, if any, to the application(s), and make appropriate revisions to the application(s) for Owner's resubmittal to the authority having jurisdiction.
  - d. Provide technical criteria, written descriptions, and design data for Owner's use in filing applications for permits from or approvals of the authorities having jurisdiction listed above, including applications for review or approval of the final design.
  - e. Identify and indicate in the Construction Contract Documents the permits and approvals for which Contractor will be responsible, including work permits, building permits, and other permits and approvals that will be Contractor's responsibility; and, in addition, indicate those permits initially obtained by Owner for which Contractor will be a co-permittee, together with associated requirements.
  - f. Unless expressly indicated otherwise, Engineer's scope and budget includes attending one meeting or conference call with each permit and approval-issuing agency to discuss the Specific Project and receive the agency's comments on the application.
  - g. Engineer does not guarantee issuance of any required permit or approval.
  - h. Fees charged by authorities having jurisdiction for such permits or approvals are the responsibility of Owner.
3. Advise Owner of any recommended adjustments to the opinion of probable Construction Cost. Furnish to Owner an updated opinion of probable Construction Cost with the interim and final deliverables of the Drawings and Specifications.
  4. After consultation with Owner, include in the Front-End Construction Contract Documents any Electronic Document Protocol addressing specific protocols for the transmittal of Specific Project-related correspondence, documents, text, data, drawings, information, and graphics, in electronic media or digital format, either directly, or through access to a secure Specific Project website.
  5. Assist Owner in assembling known reports and drawings of Site conditions, and in identifying the technical data contained in such reports and drawings upon which bidders or other prospective contractors may rely.
  6. Review the preliminary schedule for the Construction Phase and advise Owner when initial understanding of the Construction Contract Times must or should be revised, and furnish Owner with recommendations on revisions to the proposed Construction Contract Times.

7. Engineer's project manager and other appropriate staff will participate in the following meetings and conference calls:
  - a. First draft design review meeting at Owner's office.
  - ~~b. Second draft design review meeting at Owner's office.~~
  - ~~c. [Indicate others as appropriate for the Specific Project].~~
  - ~~d.~~ b. Engineer will prepare and distribute minutes of each such meeting and conference call, indicating attendees, topics discussed, decisions made, and action items for follow-up.
8. Perform or provide the following other Final Design Phase activities or deliverables:
  - a. **Roadway Design: Provide typical existing and proposed roadway sections following City of Schertz Design Criteria. Establish a proposed roadway horizontal and vertical profiles. Provide plan and profile for the street at a 1:20 scale on 22"x34" plan sheets. Provide cross sections of the proposed roadway at 50-foot per City design criteria. Provide a summary of driveway improvements.**
  - b. **Drainage Design: Provide a drainage area map and model existing and proposed hydrology per the city design criteria. Appropriately size and situate culvert design at stream crossings. Provide culvert plans and sections. Provide a final storm water report.**
  - c. **Utility Design: Coordinate with non- City maintained utilities located within the construction limits. Provide plans and profiles, as appropriate, for relocation of existing water utilities as necessary.**
  - d. **Temporary Traffic Control Design: Provide Preliminary plans for construction phasing, traffic control sections and construction phasing layout. Provide a traffic detour layout and barricade plan**
  - e. **Pavement Marking Plans: Provide pavement marking plans compliant with local and state standards.**
  - f. **SWPPP- Provide an erosion control plan, narrative, and appropriate details for facilitate the submittal of a Notice of Intent by the contractor.**
  - g. **Provide a tree mitigation plans for the removal of existing trees.**

G. Engineer shall complete the Final Design Phase as follows:

1. Pursuant to the requirements of the Deliverables Schedule in Exhibit B, furnish for review by Owner, its legal counsel, and other advisors, the final Drawings and Specifications (as set forth in Exhibit A Paragraph 1.04.B.3 above); assembled drafts of other Construction Contract Documents including the draft Front-End Construction Contract Documents; the draft Bidding/Proposal Documents; the most recent opinion of probable Construction Cost; and any other Final Design Phase deliverables, and review the deliverables with Owner.
2. Revise the final Design Phase deliverables in response to Owner's comments, as appropriate, and submit revised deliverables pursuant to the Deliverables Schedule.

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Exhibit A—Engineer's Services Under Task Order.

Exhibits to Task Order. EJCDC® E-505, Agreement between Owner and Engineer for Professional Services—Task Order Edition.

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3. Engineer's services under the Final Design Phase will be considered complete on the date when Engineer has delivered to Owner the final Drawings and Specifications; assembled drafts of the Front-End Construction Contract Documents; the draft Bidding/Proposal Documents; and any other Final Design Phase deliverables, as revised.

1.05 Bidding/Proposal Phase

- A. After acceptance by Owner of the final Drawings and Specifications; assembled drafts of other Construction Contract Documents, including the draft Front-End Construction Contract Documents; the draft Bidding/Proposal Documents; the most recent opinion of probable Construction Cost as determined in the Final Design Phase, and any other Final Design Phase deliverables, and upon written authorization by Owner to proceed, Engineer shall:
  1. Assist Owner in advertising for and obtaining bids or proposals for the Work; assist Owner in issuing assembled Bidding/Proposal Documents and proposed Construction Contract Documents to prospective contractors; if applicable, maintain a record of prospective contractors to which documents have been issued; attend pre-bid conferences, if any; and receive and process contractor deposits or charges, if any, for the issued documents.
    - a. **Owner's procurement website**
  2. Prepare and issue addenda as appropriate to clarify, correct, or change the issued documents.
  3. If the issued documents require, the Engineer shall evaluate and determine the acceptability of "or equals" and substitute materials and equipment proposed by prospective contractors, provided that such proposals are allowed by the bidding-related documents (or requests for proposals or other construction procurement documents) prior to award of contracts for the Work. Services under this paragraph are subject to the provisions of Exhibit A Paragraph 2.01.A.2.
  4. Attend the bid opening; prepare bid tabulation sheets; and assist Owner in evaluating bids or proposals, assembling final Construction Contracts for the Work for execution by Owner and Contractor, and in preparing notices of award to be issued by Owner for such contracts.
  5. Provide information or assistance needed by Owner in the course of any review of bids, proposals, or negotiations with prospective contractors.
  6. Consult with Owner as to the qualifications of prospective contractors.
  7. Consult with Owner as to the qualifications of subcontractors, suppliers, and other individuals and entities proposed by prospective contractors, for those portions of the Work as to which review of qualifications is required by the issued documents.
  8. If Owner engages in negotiations with bidders or proposers, assist Owner with respect to technical and engineering issues that arise during the negotiations.
  9. Perform or provide the following other Bidding/Proposal Phase tasks or deliverables:
    - a. **none**

10. The Bidding/Proposal Phase will be considered complete upon award of Construction Contracts for the Work and commencement of the Construction Phase, or upon cessation of negotiations with prospective contractors.

#### 1.06 Construction Phase

- A. After completion of the Final Design Phase and concurrent with the Bidding/Proposal Phase, and after issuance by Owner of any instructions for specific modifications or changes in the scope, extent, character, design, schedule, number of prime construction contracts, and other construction requirements of the Specific Project during the Construction Phase desired by Owner, the Engineer and Owner shall discuss, resolve, and document any necessary revisions to Engineer's scope of services or compensation (through application of the provisions regarding Additional Services, or otherwise), or the time for completion of Engineer's services, resulting from specific modifications to the Specific Project.
  1. Engineer shall be responsible only for those Construction Phase services expressly required of Engineer in Exhibit A Paragraph 1.06, as duly modified. With the exception of such expressly required services, Engineer shall have no design, Submittal (including Shop Drawing) review, or other obligations during construction, and Owner assumes all responsibility for providing or arranging for all other necessary Construction Phase administrative, engineering, and professional services.
  2. Owner waives all claims against Engineer and its officers, directors, members, partners, agents, employees, and Subconsultants, and Engineer's Subcontractors, that may be connected in any way to Construction Phase administrative, engineering, or professional services except for those services that are expressly required of Engineer in Exhibit A. Notwithstanding the foregoing waiver, Engineer shall be responsible for any professional opinions and interpretations provided by Engineer to Owner during the Construction Phase or Post-Construction Phase, including interpretations or clarifications of the Construction Contract Documents.
- B. Upon successful completion of the Bidding/Proposal Phase, and upon written authorization from Owner, Engineer shall provide the following services:
  1. General Administration of Construction Contract: Consult with Owner and act as Owner's representative as provided in this Agreement and the Construction Contract. Unless otherwise set forth in the scope of Basic Services (as duly modified), the extent and limitations of the duties, responsibilities, and authority of Engineer shall be as assigned in EJCDC® C-700, Standard General Conditions of the Construction Contract (2018) or other construction general conditions specified in this Agreement. Except as otherwise provided in the Construction Contract, Owner's communications to Contractor will be issued through Engineer.
    - a. If the responsibilities of Engineer as set forth in the Construction Contract are greater than those Construction Phase services expressly required of Engineer in Exhibit A Paragraph 1.06, as duly modified, then Owner shall either (1) expand the scope of the Construction Phase services to match those of the Construction Contract, and compensate Engineer for any related increases in the cost to provide Construction Phase services, pursuant to the provisions for compensating Additional Services, or (2) identify a qualified individual or entity (other than

Engineer) responsible for the additional responsibilities in the Construction Contract.

- b. If Owner, or Owner and Contractor, modify the duties, responsibilities, and authority of Engineer in the Construction Contract, or modify other terms of the Construction Contract having a direct bearing on Engineer, or if Owner requires Engineer's services for construction that extends longer than the anticipated Construction Contract Times, then Owner shall compensate Engineer for any related increases in the cost to provide Construction Phase services, pursuant to the provisions for compensating Additional Services.
  - c. Engineer shall not be required to furnish or perform services contrary to Engineer's responsibilities as a licensed professional.
2. Field Office: ~~[Delete or edit as applicable to the Specific Project] Engineer and Resident Project Representative (if any) will be based in a field office at the Site. The field office will be furnished and maintained at Owner's expense, and will include reasonable furnishings, all required temporary utilities (including internet service) and facilities, and be secured for Engineer's (and RPR's) exclusive use. Deleted~~
  3. ~~Resident Project Representative (RPR): Provide the services of an RPR at the Site to assist Engineer and to provide more extensive observation of Contractor's Work. Duties, responsibilities, and authority of the RPR are as set forth in Exhibit D. The furnishing of such RPR's services will not limit, extend, or modify Engineer's responsibilities or authority except as expressly set forth in Exhibit D. [If Engineer will not be providing RPR services under the specific Task Order, then delete this Paragraph 3 by inserting the word "DELETED" after the paragraph title; do not include Exhibit D as an exhibit to the specific Task Order; and do not include RPR compensation in Paragraph 7 of the Exhibit specific Task Order Deleted.]~~
  4. Selection of Independent Testing Laboratory: Assist Owner in the selection of an independent testing laboratory to perform required testing services.
  5. Pre-Construction Conference: Participate in a pre-construction conference prior to commencement of Work at the Site; prepare and distribute agenda for the conference and prepare and distribute minutes of such conference.
  6. Electronic Transmittal Protocols: If the Construction Contract does not establish protocols for transmittal of Electronic Documents by Electronic Means, then Owner, Engineer, and Contractor shall jointly develop such protocols.
  7. Original Documents: If requested by Owner to do so, maintain and safeguard during the Construction Phase at least one original printed record version of the Construction Contract Documents, including Drawings and Specifications signed and sealed by Engineer and other design professionals in accordance with applicable Laws and Regulations. Throughout the Construction Phase, make such original printed record version of the Construction Contract Documents available to Contractor and Owner for review.
  8. Schedules: Receive, review, and, and, subject to the criteria of the Construction Contract, determine the acceptability of any and all schedules that Contractor is required to submit to Engineer, including the progress schedule, schedule of submittals,

and schedule of values. Advise Contractor in writing of Engineer's comments or acceptance of schedules.

- a. Schedules will be acceptable to Engineer as to form and substance:
  - 1) Progress Schedule: if it provides an orderly progression of the Work to completion within the Contract Times. Such acceptance will not impose on Engineer responsibility for the Progress Schedule, for sequencing, scheduling, or progress of the Work, nor interfere with or relieve Contractor from Contractor's full responsibility therefor.
  - 2) Contractor's Schedule of Submittals: if it provides a workable arrangement for reviewing and processing the required Submittals.
  - 3) Contractor's Schedule of Values: if it provides a reasonable allocation of the Contract Price to the component parts of the Work.
9. Baselines and Benchmarks: As appropriate, establish baselines and benchmarks for locating the Work which in Engineer's judgment are necessary to enable Contractor to proceed.
10. Permits: Provide Owner with copies of technical information and supporting data previously obtained or developed by Engineer for Owner's use, or for Owner to provide to Contractor, in obtaining required permits and licenses delegated to Contractor by Owner.
11. Visits to Site and Observation of Construction: In connection with observations of Contractor's Work while it is in progress:
  - a. Make visits to the Site at intervals appropriate to the various stages of the Work, as Engineer deems necessary, to observe as an experienced and qualified design professional, the progress of Contractor's executed Work. Such visits and observations by Engineer, including its RPR, if any, are not intended to be exhaustive or to extend to every aspect of the Work or to involve detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in this Agreement and the Construction Contract Documents, but rather are to be limited to spot checking, selective sampling, and similar methods of general observation of the Work based on Engineer's exercise of professional judgment, as assisted by its RPR, if any. Based on information obtained during such visits and observations, Engineer will determine in general if the Work is proceeding in accordance with the Construction Contract Documents, and Engineer shall keep Owner informed of the progress of the Work. Engineer will make a report of Engineer's visit, summarizing Engineer's general observations and any significant findings.
  - b. The purpose of Engineer's visits to the Site, and representation by the Resident Project Representative, if any, at the Site, will be to enable Engineer to better carry out the duties and responsibilities assigned to by this Agreement and undertaken by Engineer during the Construction Phase, and, in addition, by the exercise of Engineer's efforts as an experienced and qualified design professional, to provide for Owner a greater degree of confidence that the completed Work will conform in general to the Construction Contract Documents and that Contractor has

implemented and maintained the integrity of the design concept of the completed Specific Project as a functioning whole as indicated in the Construction Contract Documents. Engineer will not, during such visits or as a result of such observations of the Work, supervise, direct, or have control over the Work, nor will Engineer have authority over or responsibility for the means, methods, techniques, sequences, or procedures of construction selected or used by any Constructor, for security or safety at the Site, for safety precautions and programs incident to any Constructor's work in progress, for the coordination of the Constructors' work or schedules, nor for any failure of any Constructor to comply with Laws and Regulations applicable to furnishing and performing of its work. Accordingly, Engineer neither guarantees the performance of any Constructor nor assumes responsibility for any Constructor's failure to furnish or perform the Work, or any portion of the Work, in accordance with the Construction Contract Documents.

12. Defective Work: If, on the basis of Engineer's observations or as indicated in documentation available to Engineer, Engineer believes that any part of the Work is defective under the terms and standards set forth in the Construction Contract Documents, Engineer will promptly issue written notice to Contractor (with copy to Owner) of such defective Work. Such notice will communicate the scope, extent (to Engineer's understanding) of defect, and associated provisions of the Construction Contract Documents.
  - a. Provide recommendations to Owner regarding whether Contractor should correct such Work or remove and replace such Work, or whether Owner should consider accepting the defective Work in accordance with the provisions of the Construction Contract Documents. Engineer shall give notice to Contractor regarding whether the defective Work should be repaired, replaced, or will be accepted by Owner.
  - b. However, Engineer's authority to provide this information to Owner or Engineer's decision to exercise or not exercise such authority will not give rise to a duty or responsibility of the Engineer to Contractors, Subcontractors, material and equipment suppliers, their agents or employees, or any other person(s) or entities performing any of the Work, including but not limited to any duty or responsibility for Contractors' or Subcontractors' safety precautions and programs incident to the Work.
13. Compatibility with Design Concept: If Engineer has express knowledge that a specific part of the Work that is not defective under the terms and standards set forth in the Construction Contract Documents is nonetheless not compatible with the design concept of the completed Specific Project as a functioning whole, then inform Owner of such incompatibility, and provide recommendations for addressing such Work.
14. Clarifications and Interpretations: Accept from Contractor and Owner submittal of all matters in question concerning the requirements of the Construction Contract Documents (sometimes referred to as requests for information or interpretation—RFIs), or relating to the acceptability of the Work under the Construction Contract Documents. With reasonable promptness, render a written clarification, interpretation, or decision on the issue submitted, or initiate an amendment or supplement to the Construction Contract Documents.

15. Non-reviewable Matters: If a submitted matter in question concerns the Engineer's performance of its duties and obligations, or terms and conditions of the Construction Contract Documents that do not involve (a) the performance or acceptability of the Work under the Construction Contract Documents, (b) the design (as set forth in the Drawings, Specifications, or otherwise), or (c) other engineering or technical matters, then Engineer will promptly give written notice to Owner and Contractor that Engineer will not provide a decision or interpretation.
16. Field Orders: Subject to any limitations in the Construction Contract Documents, Engineer may prepare and issue Field Orders requiring minor changes in the Work.
17. Change Orders and Work Change Directives: Recommend Change Orders and Work Change Directives to Owner, as appropriate, and prepare Change Orders and Work Change Directives as required.
18. Change Proposals and Claims
  - a. Review and respond to Change Proposals. Review each duly submitted Change Proposal from Contractor and, within 30 days after receipt of the Contractor's supporting data, either deny the Change Proposal in whole, approve it in whole, or deny it in part and approve it in part. Such actions must be in writing, with a copy provided to Owner and Contractor. If the Change Proposal does not involve the design (as set forth in the Drawings, Specifications, or otherwise), the acceptability of the Work, or other engineering or technical matters, then Engineer will notify the parties that the Engineer will not resolve the Change Proposal.
  - b. Provide information or data to Owner regarding engineering or technical matters pertaining to Claims.
19. Differing Site Conditions: Respond to any notice from Contractor of differing site conditions, including conditions relating to Underground Facilities such as utilities, and hazardous environmental conditions. Promptly conduct reviews and prepare findings, conclusions, and recommendations for Owner's use subject to limitations of Engineer's obligations under this Agreement.
20. Contractor's Submittals: Review and approve or take other appropriate action with respect to required Contractor Submittals, but only to determine if the items covered by the Submittals will, after installation or incorporation in the Work, comply with the requirements of the Construction Contract Documents, and for compatibility with the design concept of the completed Specific Project as a functioning whole as indicated by the Construction Contract Documents. Such reviews and approvals or other action will not extend to means, methods, techniques, sequences, or procedures of construction or to safety precautions and programs incident thereto. Engineer shall meet any Contractor's Submittal schedule that Engineer has accepted.
21. Substitutes and "Or-equals": Evaluate and determine the acceptability of substitute or "or-equal" materials and equipment proposed by Contractor, but subject to the provisions of Exhibit A Paragraph 2.01.A.2.
22. Inspections and Tests

- a. Receive and review all certificates of inspections, tests, and approvals required by Laws and Regulations or the Construction Contract Documents. Engineer's review of such certificates will be for the purpose of determining whether the results certified indicate compliance with the Construction Contract Documents and will not constitute an independent evaluation that the content or procedures of such inspections, tests, or approvals comply with the requirements of the Construction Contract Documents. Engineer shall be entitled to rely on the results of such inspections and tests.
  - b. Reply to Contractor requests for written concurrence that specific portions of the Work that are to be inspected, tested, or approved may be covered.
  - c. Issue written requests to Contractor that specific portions of the Work remain uncovered.
  - d. As deemed reasonably necessary, request that Contractor uncover Work that is to be inspected, tested, or approved.
  - e. Pursuant to the terms of the Construction Contract, require additional inspections or testing of the Work, whether or not the Work is fabricated, installed, or completed.
23. Contractor's Applications for Payment: Based on Engineer's observations as an experienced and qualified design professional and on review of Applications for Payment and accompanying supporting documentation:
- a. Determine the amounts that Engineer recommends Contractor be paid. Recommend reductions in payment (set offs) based on the provisions for set offs stated in the Construction Contract. Such recommendations of payment will be in writing and will constitute Engineer's representation to Owner, based on such observations and review, that, within the limits of Engineer's knowledge, information and belief, Contractor's Work has progressed to the point indicated, the Work is generally in accordance with the Construction Contract Documents (subject to an evaluation of the Work as a functioning whole prior to or upon Substantial Completion, to the results of any subsequent tests called for in the Construction Contract Documents, and to any other qualifications stated in the recommendation), and the conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Engineer's responsibility to observe the Work. In the case of unit price Work, Engineer's recommendations of payment will include final determinations of quantities and classifications of the Work (subject to any subsequent adjustments allowed by the Construction Contract Documents).
  - b. By recommending payment, Engineer shall not thereby be deemed to have represented that observations made by Engineer to check the quality or quantity of Contractor's Work as it is performed and furnished have been exhaustive, extended to every aspect of Contractor's Work in progress, or involved detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in this Agreement. Neither Engineer's review of Contractor's Work for the purposes of recommending payments nor Engineer's recommendation of any payment including final payment will impose on Engineer responsibility to

supervise, direct, or control the Work, or for the means, methods, techniques, sequences, or procedures of construction or safety precautions or programs incident thereto, or Contractor's compliance with Laws and Regulations applicable to Contractor's furnishing and performing the Work. It will also not impose responsibility on Engineer to make any examination to ascertain how or for what purposes Contractor has used the money paid to Contractor by Owner; to determine that title to any portion of the Work, including materials or equipment, has passed to Owner free and clear of any liens, claims, security interests, or encumbrances; or that there may not be other matters at issue between Owner and Contractor that might affect the amount that should be paid.

24. Contractor's Completion Documents: Receive from Contractor, review, and transmit to Owner maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance required by the Construction Contract Documents, certificates of inspection, tests and approvals, and Shop Drawings, Samples, and other data approved as provided under Exhibit A Paragraph 1.06.B.20. Receive from Contractor, review, and transmit to Owner the annotated record documents which are to be assembled by Contractor in accordance with the Construction Contract Documents to obtain final payment. The extent of Engineer's review of record documents will be to check that Contractor has submitted a complete set of those documents that Contractor is required to submit.
25. Substantial Completion: Promptly after notice from Contractor that Contractor considers the entire Work ready for its intended use, visit the Site in company with Owner and Contractor to review the Work and determine the status of completion. Follow the procedures in the Construction Contract regarding the preliminary certificate of Substantial Completion, punch list of items to be completed, Owner's objections, notice to Contractor, and issuance of a final certificate of Substantial Completion. Assist Owner regarding any remaining engineering or technical matters affecting Owner's use or occupancy of the Work following Substantial Completion.
26. Other Tasks: Perform or provide the following other Construction Phase tasks or deliverables:
  - a. **none**
27. Completion and Acceptability of the Work: After notice from Contractor that the Work is complete:
  - a. visit the Site with Owner and Contractor to determine if the Work is in fact complete and acceptable;
  - b. notify Contractor of any part of the Work that is found during the visit to be incomplete or defective, and subsequently confirm that Contractor has corrected any such deficiencies;
  - c. follow the procedures in the Construction Contract regarding review and response to Contractor's application for final payment and accompanying documentation; and
  - d. if Engineer is satisfied that the Work is complete and acceptable, provide a notice to Owner and Contractor using EJCDC® C-626, Notice of Acceptability of Work

(attached as Exhibit E), stating that the Work is acceptable (subject to the provisions of the Notice and this Exhibit A) within the limits of Engineer's knowledge, information, and belief, and based on the extent of the services provided by Engineer under this Agreement.

28. Standards for Certain Construction-Phase Decisions: Engineer will render decisions regarding the requirements of the Construction Contract Documents, and judge the acceptability of the Work, pursuant to the specific procedures set forth in the Construction Contract for initial interpretations, Change Proposals, and acceptance of the Work. In rendering such decisions and judgments, Engineer will not show partiality to Owner or Contractor, and will not be liable to Owner, Contractor, or others in connection with any proceedings, interpretations, decisions, or judgments conducted or rendered in good faith.
- C. Duration of Construction Phase: The Construction Phase will commence with the execution of the first Construction Contract for the Specific Project or any part thereof and will terminate upon written recommendation by Engineer for final payment to Contractor. If the Specific Project involves more than one prime contract as indicated in Exhibit A Paragraph 1.04.A.1, then Construction Phase services may be rendered at different times in respect to the separate contracts. Subject to the provisions of Article 3, Engineer shall be entitled to an equitable increase in compensation if Construction Phase services (including Resident Project Representative services, if any) are required after the original date for completion and readiness for final payment of Contractor as set forth in the Construction Contract.

#### 1.07 Post-Construction Phase

- A. Upon written authorization from Owner during the Post-Construction Phase, Engineer shall:
  1. Together with Owner, visit the Specific Project to observe any apparent defects in the Work, make recommendations as to replacement or correction of defective Work, if any, or the need to repair of any damage to the Site or adjacent areas, and assist Owner in consultations and discussions with Contractor concerning correction of any such defective Work and any needed repairs.
  2. Together with Owner, visit the Specific Project within one month before the end of the Construction Contract's correction period to ascertain whether any portion of the Work or the repair of any damage to the Site or adjacent areas is defective and therefore subject to correction by Contractor.
  3. Perform or provide the following other Post-Construction Phase tasks or deliverables:
    - a. **Attend TDLR inspection walkthrough**
    - b. **Prepare a plan of record based on Contractor redlines approved by the City Inspector.**
- B. The Post-Construction Phase services may commence during the Construction Phase and, if not otherwise modified in this Exhibit A, will terminate 12 months after the commencement of the Construction Contract's correction period.

## ARTICLE 2—ADDITIONAL SERVICES

### 2.01 Additional Services Not Requiring Owner’s Written Authorization

- A. Engineer shall advise Owner that Engineer is commencing to perform or furnish the Additional Services of the types listed below. For such Additional Services, Engineer need not request or obtain specific advance written authorization from Owner. Engineer shall cease performing or furnishing such Additional Services upon receipt of written notice to cease from Owner. These services are not included as part of Basic Services and will be paid for by Owner as indicated in Paragraph 7 of the governing Task Order.
1. Substantive design and other technical services in connection with Work Change Directives, Change Proposals, and Change Orders to reflect changes requested by Owner.
  2. Services essential to the orderly progress of the Bidding/Proposal and Construction Phases and not wholly quantifiable prior to those Phases or otherwise dependent on the actions of prospective individual bidders or contractors and including:
    - a. making revisions to Drawings and Specifications occasioned by the acceptance of substitute materials or equipment other than “or equal” items;
    - b. services after the award of the Construction Contract in evaluating and determining the acceptability of a proposed "or equal" or substitution which is found to be inappropriate for the Specific Project;
    - c. evaluation and determination of an excessive number of proposed "or equals" or substitutions, whether proposed before or after award of the Construction Contract; and
    - d. providing to the Contractor or Owner additional or new information not previously prepared or developed by the Engineer for their use in applying for or obtaining required permits and licenses, in responding to agency comments on such applications, or in the administration of any such permits or licenses.
  3. Services resulting from significant delays, changes, or price increases occurring as a direct or indirect result of materials, equipment, or energy shortages.
  4. Additional or extended services arising from (a) the presence at the Site of any Constituent of Concern or items of historical or cultural significance, (b) emergencies or acts of God endangering the Work, (c) damage to the Work by fire or other causes during construction, (d) a significant amount of defective, neglected, or delayed Work, (e) acceleration of the progress schedule involving services beyond normal working hours, or (f) default by Contractor.
  5. Implement coordination of Engineer’s services with other parts of the Specific Project that are not planned or designed by Engineer or its Subconsultants, unless Owner furnished to Engineer substantive information about such other parts of the Specific Project prior to the parties’ entry into this Agreement, in the Baseline Information section of this Exhibit A, or otherwise in Exhibit A; if such substantive information has been so provided, coordination of Engineer’s services will be part of Basic Services.

6. Implement the specific parts of an Underground Facilities Procedure that are assigned to Engineer, or above-ground utilities tasks that are assigned to Engineer as the Specific Project progresses (but not including the design-related services already assigned to Engineer as a Basic Service).
7. Services (other than Basic Services during the Post-Construction Phase) in connection with any partial utilization of the Work by Owner prior to Substantial Completion.
8. Evaluating unreasonable or frivolous requests for interpretation or information (RFIs), Change Proposals, or other demands from Contractor or others in connection with the Work, or an excessive number of RFIs, Change Proposals, or demands.
9. Reviewing a Shop Drawing or other Contractor submittal more than three times, as a result of repeated inadequate submissions by Contractor.
10. While at the Site, compliance by Engineer and its staff with those terms of Owner's or Contractor's safety program provided to Engineer subsequent to the Effective Date that exceed those normally required of engineering personnel by federal, State, or local safety authorities for similar construction sites.
11. To the extent the Specific Project is subject to Laws and Regulations governing public or government records disclosure or non-disclosure, Engineer will comply with provisions applicable to Engineer, and Owner will compensate Engineer as Additional Services for Engineer's costs to comply with any disclosure or non-disclosure obligations beyond those identified in the Basic Services.
12. Services directly attributable to changes in Engineer's Electronic Documents obligations after the effective date of the Agreement.

#### 2.02 Additional Services Requiring Owner's Written Authorization

- A. If authorized in writing by Owner, Engineer shall provide Additional Services of the types listed below. These services are not included as part of Basic Services and will be paid for by Owner as indicated in Paragraph 7 of the governing Task Order.
  1. Obtain or provide specified additional Specific Project-related information and data to enable Engineer to complete its Basic and Additional Services.
  2. Preparation of special and customized reporting, invoicing, and related support documentation in addition to that identified to be provided under Basic Services.
  3. Preparation of applications and supporting documents (in addition to those furnished under Basic Services) for private or governmental grants, loans, or advances in connection with the Specific Project; preparation or review of environmental assessments and impact statements; review and evaluation of the effects on the design requirements for the Specific Project of any such statements and documents prepared by others; and assistance in obtaining approvals of authorities having jurisdiction over the anticipated environmental impact of the Specific Project.
  4. Services to make measured drawings of existing conditions or facilities, to conduct tests or investigations of existing conditions or facilities, or to verify the accuracy of drawings or other information furnished by Owner or others.

5. Services resulting from significant changes in the scope, extent, or character of the portions of the Specific Project designed or specified by Engineer, or the Specific Project's design requirements, including, but not limited to, changes in size, complexity, Owner's schedule, character of construction, or method of financing; and revising previously accepted studies, reports, Drawings, Specifications, or Construction Contract Documents when such revisions are required by changes in Laws and Regulations enacted subsequent to the Effective Date or are due to any other causes beyond Engineer's control.
6. Services resulting from Owner's request to evaluate additional Study and Report Phase alternative solutions beyond those agreed to in Exhibit A Paragraph 1.02.A.1.
7. Services required as a result of Owner's providing incomplete or incorrect Specific Project information to Engineer.
8. Providing renderings or models for Owner's use, including development, management, and other services in support of building information modeling or civil integrated management.
9. Undertaking investigations and studies including, but not limited to:
  - a. All-hazards risk assessments and other studies to evaluate the feasibility of enhancing the resiliency of the design;
  - b. detailed consideration of operations, maintenance, and overhead expenses;
  - c. the preparation of feasibility studies (such as those that include projections of output capacity, utility project rates, project market demand, or project revenues) and cash flow analyses, provided that such services are based on the engineering and technical aspects of the Specific Project, and do not include rendering advice regarding municipal financial products or the issuance of municipal securities;
  - d. preparation of appraisals;
  - e. with respect to proprietary systems or processes requiring licensing, providing services necessary to assist Owner in obtaining such licensing.
  - f. detailed quantity surveys of materials, equipment, and labor; and
  - g. audits or inventories required in connection with construction performed or furnished by Owner.
10. Furnishing services of Subconsultants or Engineer's Subcontractors for other than Basic Services.
11. Providing data or services of the types described in Article 2, when Owner retains Engineer to provide such data or services instead of Owner furnishing the same.
12. Providing the following services:
  - a. Services attributable to more prime construction contracts than specified in Exhibit A Paragraph 1.04.A.1.
  - b. Services to arrange for performance of construction services for Owner by contractors other than the principal prime Contractor, and administering Owner's contract for such services.

13. Services during out-of-town travel required of Engineer, other than for visits to the Site or Owner's office as required in Basic Services (Article 1 of Exhibit A).
14. Preparing for, coordinating with, participating in and responding to structured independent review processes, including, but not limited to, construction management, cost estimating, project peer review, value engineering, and constructability review requested by Owner; and performing or furnishing services required to revise studies, reports, Drawings, Specifications, or other documents as a result of such review processes.
15. Preparing additional bidding-related documents (or requests for proposals or other construction procurement documents); preparing pre-qualification procedures and documents, and participating in pre-qualifying prospective Bidders; and preparing Construction Contract Documents for alternate bids.
16. Assistance in connection with bid protests, rebidding, or renegotiating contracts for construction, materials, equipment, or services.
17. Preparing conformed Construction Contract Documents that incorporate and integrate the content of all addenda and any amendments negotiated by Owner and Contractor.
18. Services to assist Owner in developing or modifying protocols for transmittal of Electronic Documents by Electronic Means after the effective date of this Agreement, either by revising or adapting Exhibit F to the Specific Project or implementing other Electronic Documents protocols among Specific Project participants.
19. Any services by Engineer in connection with Owner or Engineer providing a Document to a Requesting Party under Exhibit F Paragraph 1.01.D (see Exhibit F, Electronic Documents Protocol), or any other distribution of a Document to a third party. Such services may include but are not limited to preparing the data contained in the requested Document in a manner deemed appropriate by Engineer; creating or otherwise preparing and distributing the Document in a format necessary to respond to Owner's direction or decision to provide the Document to a requesting party, including Contractor, in a format other than that required for deliverables from Engineer to Owner; and services in connection with obtaining required releases from the third parties to which the Documents will be distributed. Compensation for these Additional Services is not contingent upon Owner's reimbursement from the requesting party.
20. Providing Construction Phase services beyond the original date for completion and readiness for final payment of Contractor, but only if such services increase the total quantity of services to be performed in the Construction Phase, rather than merely shifting performance of such services to a later date.
21. Preparing Record Drawings, and furnishing such Record Drawings to Owner.
22. Supplementing Record Drawings with information regarding the completed Specific Project, Site, and immediately adjacent areas obtained from field observations, Owner, utility companies, and other reliable sources.
23. Conducting surveys, investigations, and field measurements to verify the accuracy of Record Drawing content obtained from Contractor, Owner, utility companies, and other sources; revise and supplement Record Drawings as needed.

24. Preparation of operation, maintenance, and staffing manuals.
25. Protracted or extensive assistance in refining and adjusting of Specific Project equipment and systems (such as initial startup, testing, and balancing).
26. Assistance to Owner in training Owner's staff to operate and maintain Specific Project equipment and systems.
27. Assistance to Owner in developing systems and procedures for (a) control of the operation and maintenance of Specific Project equipment and systems, and (b) related recordkeeping.
28. Preparing to serve or serving as a consultant or witness for, or producing documents for or on behalf of, Owner in any litigation, arbitration, mediation, lien or bond claim, or other legal or administrative proceeding involving the Specific Project (but not including disputes between Owner and Engineer).
29. Overtime work requiring higher than regular rates.
30. Providing construction surveys and staking to enable Contractor to perform its work other than as required under Exhibit A Paragraph 1.06.B.9; any type of property surveys or related engineering services needed for the transfer of interests in real property; providing construction and property surveys to replace reference points or property monuments lost or destroyed during construction; and providing other special field surveys.
31. Providing more extensive services required to enable Engineer to issue notices or certifications requested by Owner.
32. Extensive services required during any correction period, or with respect to monitoring Contractor's compliance with warranties and guarantees called for in the Construction Contract (except as agreed to under Basic Services).
33. Other additional services performed or furnished by Engineer not otherwise provided for in this Agreement.

**EXHIBIT B—TASK ORDER DELIVERABLES SCHEDULE**

Paragraphs 2.04.E, 3.02.A, and Exhibit A of the Main Agreement are supplemented by the following paragraph and table.

Under the governing Task Order the Engineer shall furnish Documents to Owner as required in Column 2 of the following table (and as further described in Exhibit A), according to the schedule in Column 4. Owner shall comment or take other identified actions with respect to the Documents as indicated in Column 2 (and as further described in Exhibit A), according to the schedule in Column 4.

<b>Party</b>	<b>Action</b>	<b>Exhibit A Reference</b>	<b>Schedule</b>
Engineer	Submit <b>one (1)</b> review copies of the Preliminary Design Report, opinion of probable Construction Cost, and other Preliminary Design Phase deliverables to Owner.	1.03.B.17	Within <b>70</b> days of Owner’s authorization to proceed with Preliminary Design Phase services.
Owner	Submit comments regarding Preliminary Design Report, opinion of probable Construction Cost, and other Preliminary Design Phase deliverables to Engineer.	1.03.B.18	Within <b>15</b> days of the receipt from Engineer of Preliminary Design Report, opinion of probable Construction Cost, and other Preliminary Design Phase deliverables.
Engineer	Submit <b>one (1)</b> copies of the revised Preliminary Design Report, opinion of probable Construction Cost, and other Preliminary Design Phase deliverables to Owner.	1.03.B.18	Within <b>7</b> days of the receipt of Owner’s comments regarding the Preliminary Design Report, opinion of probable Construction Cost, and other Preliminary Design Phase deliverables.
Engineer	Submit <b>one (1)</b> copy of the first Final Design Phase draft of Drawings and Specifications to Owner.	1.04.B.1	Within <b>30</b> days of Owner’s authorization to proceed with Final Design Phase services.
Owner	Submit comments and instructions regarding the first Final Design Phase draft of Drawings and Specifications to Engineer.	1.04.B.1	Within <b>15</b> days of the receipt of the first final Design Phase drafts of Drawings and Specifications from Engineer.
Engineer	Submit <b>one (1)</b> copies of the final, completed, pricing-ready and construction-ready Drawings and Specifications to Owner.	1.04.B.3 and 1.04.G.1	Within <b>30</b> days of the receipt of Owner’s comments and instructions regarding the second Final Design Phase drafts of Drawings and Specifications.
Owner	Submit comments and instructions regarding the final, completed, pricing-ready and construction-ready Drawings and Specifications to Engineer.	1.04.G.2	Within <b>15</b> days of the receipt from Engineer of the final, completed, pricing-ready and construction-ready Drawings and Specifications.
Owner	Submit comments and instructions regarding drafts of Bidding/Proposal and Front-End Construction Contract Documents, and any other Final Design Phase deliverables (other than Drawings and Specifications) to Engineer.	1.04.D.3; 1.04.F.8	Concurrent with Owner’s submittal of comments and instructions regarding the final, completed, pricing-ready and construction-ready Drawings and Specifications.

Exhibit B—Task Order Deliverables Schedule.

Party	Action	Exhibit A Reference	Schedule
Engineer	Submit to Owner: <b>One (1)</b> copies of the revised final, completed, pricing-ready and construction-ready Drawings and Specifications; and <b>One (1)</b> copies of assembled Bidding/Proposal and Front-End Construction Contract Documents, and any other Final Design Phase deliverables.	1.04.G.2; 1.04.G.3	Within <b>15</b> days of receipt of Owner’s final comments and instructions regarding the regarding the final, completed, pricing-ready and construction-ready Drawings and Specifications, the Bidding/Proposal and Front-End Construction Contract Documents, and any other Final Design Phase deliverables.
Engineer	Submit <b>One (1)</b> copies of Bidding/Proposal Phase deliverables (if any) identified in Exhibit A Paragraph 1.05.A.9.a to Owner.	1.05.A.9.a	Within <b>5</b> days of written authorization by Owner to proceed with Bidding/Proposal Phase services.

## **EXHIBIT C—RESERVED**

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### **Guidance Notes—Exhibit C**

1. See Exhibit C—Amendment to Main Agreement, in E-505 Part 2 of 4: Exhibits to Main Agreement.

## EXHIBIT D—DUTIES, RESPONSIBILITIES, AND LIMITATIONS OF AUTHORITY OF RESIDENT PROJECT REPRESENTATIVE UNDER TASK ORDER

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### ARTICLE 1—RESIDENT PROJECT REPRESENTATIVE SERVICES

~~Article 1 of the Main Agreement, Services of Engineer, and Exhibit A, Engineer's Services Under Task Order, are supplemented to include Exhibit D Paragraphs 1.01, 1.02, and 1.03, as follows:~~

#### ~~1.01—Resident Project Representative~~

- ~~A.—Engineer shall furnish a Resident Project Representative ("RPR") to observe progress and quality of the Work. RPR is Engineer's representative at the Site, will act as directed by and under the supervision of Engineer, and will confer with Engineer regarding RPR's actions.~~
- ~~B.—The RPR will provide full-time representation **[revise if representation will be less than full time].**~~
- ~~C.—Subject to the scope of RPR's observations of the Work, which may include field checks of materials and installed equipment, Engineer shall endeavor to identify defects and deficiencies in the Work. However, Engineer shall not, as a result of such RPR observations of the Work, supervise, direct, inspect, or have control over the Work, nor shall Engineer (including the RPR) have authority over or responsibility for the means, methods, techniques, sequences, or procedures of construction selected or used by any Constructor, for security or safety at the Site, for safety precautions and programs incident to the Work or any Constructor's work in progress, for the coordination of the Constructors' work or schedules, or for any failure of any Constructor to comply with Laws and Regulations applicable to the performing and furnishing of its work. The Engineer (including RPR) neither guarantees the performance of any Constructor nor assumes responsibility for any Constructor's failure to furnish and perform the Work, or any portion of the Work, in accordance with the Construction Contract Documents. In addition, the specific terms set forth in Exhibit A Paragraph 1.06 are applicable.~~

#### ~~1.02—Duties and Responsibilities of RPR~~

- ~~A.—The duties and responsibilities of the RPR are as follows:
  - ~~1.—General: RPR's dealings in matters pertaining to the Work in general will be with Contractor. RPR's dealings with Subcontractors shall only be through or with the full knowledge and approval of Contractor. RPR shall generally communicate with Owner only with the knowledge of and under the direction of Engineer.~~
  - ~~2.—Schedules: Review the progress schedule, schedule of Shop Drawing and Sample submittals, schedule of values, and other schedules prepared by Contractor and consult with Engineer concerning acceptability of such schedules.~~
  - ~~3.—Conferences and Meetings: Attend meetings with Contractor, such as preconstruction conferences, progress meetings, job conferences, and other Project-related meetings (but not including Contractor's safety meetings), and as appropriate prepare and circulate copies of minutes thereof.~~~~

- ~~4.— Safety Compliance: Comply with Site safety programs, as they apply to RPR, and if required to do so by such safety programs, receive safety training specifically related to RPR's own personal safety while at the Site.~~
- ~~5.— Liaison
  - ~~a.— Serve as Engineer's liaison with Contractor. Working principally through Contractor's authorized representative or designee, assist in providing information regarding the provisions and intent of the Construction Contract Documents.~~
  - ~~b.— Assist Engineer in serving as Owner's liaison with Contractor when Contractor's operations affect Owner's on-Site operations.~~
  - ~~c.— Assist in obtaining from Owner additional details or information, when required for proper execution of the Work.~~~~
- ~~6.— Clarifications and Interpretations: Receive from Contractor submittal of any matters in question concerning the requirements of the Construction Contract Documents (sometimes referred to as requests for information or interpretation—RFIs), or relating to the acceptability of the Work under the Construction Contract Documents. Report to Engineer regarding such RFIs. Report to Engineer when clarifications and interpretations of the Construction Contract Documents are needed, whether as the result of a Contractor RFI or otherwise. Transmit Engineer's clarifications, interpretations, and decisions to Contractor.~~
- ~~7.— Shop Drawings, Samples, and other Submittals
  - ~~a.— Receive Samples that are furnished at the Site by Contractor.~~
  - ~~b.— Receive Contractor approved Shop Drawings.~~
  - ~~c.— Receive other Submittals from Contractor.~~
  - ~~d.— Record date of receipt of Samples, Contractor approved Shop Drawings, and other Submittals.~~
  - ~~e.— Notify Engineer of availability of Samples for examination, and forward Contractor approved Shop Drawings and other Submittals to Engineer. When appropriate recommend distribution of Submittal to specified Subconsultants.~~
  - ~~f.— Advise Engineer and Contractor of the commencement of any portion of the Work requiring a Shop Drawing or Sample submittal, if RPR believes that the submittal has not been received from Contractor, or has not been approved by Contractor or Engineer.~~~~
- ~~8.— Proposed Modifications: Consider and evaluate Contractor's suggestions for modifications to the Drawings or Specifications, and report such suggestions, together with RPR's recommendations, if any, to Engineer. Transmit Engineer's response (if any) to such suggestions to Contractor.~~
- ~~9.— Review of Work; Defective Work
  - ~~a.— Report to Engineer whenever RPR believes that any part of the Work is defective under the terms and standards set forth in the Construction Contract Documents, and provide recommendations as to whether such Work should be corrected,~~~~

~~removed and replaced, or accepted as provided in the Construction Contract Documents.~~

- ~~b. Inform Engineer of any Work that RPR believes is not defective under the terms and standards set forth in the Construction Contract Documents, but is nonetheless not compatible with the design concept of the completed Project as a functioning whole, and provide recommendations to Engineer for addressing such Work.~~
- ~~c. Advise Engineer of that part of the Work that RPR believes should be uncovered for observation, or requires special testing, inspection, or approval.~~

#### ~~10. Inspections, Tests, and System Start-ups~~

- ~~a. Consult with Engineer in advance of scheduled inspections, tests, and systems start-ups.~~
- ~~b. Verify that tests, equipment, and systems start-ups and operating and maintenance training are conducted in the presence of appropriate Owner's personnel, and that Contractor maintains adequate records thereof.~~
- ~~c. Observe, record, and report to Engineer appropriate details relative to the test procedures and systems start-ups.~~
- ~~d. Observe whether Contractor has arranged for inspections required by Laws and Regulations, including but not limited to those to be performed by public or other agencies having jurisdiction over the Work.~~
- ~~e. Accompany visiting inspectors representing public or other agencies having jurisdiction over the Work, record the results of these inspections, and report to Engineer.~~
- ~~f. Nothing in this Agreement will be construed to require RPR to conduct inspections.~~

#### ~~11. Records~~

- ~~a. Maintain at the Site orderly files for correspondence, reports of job conferences, copies of Construction Contract Documents including all Change Proposals, Change Orders, Field Orders, Work Change Directives, Addenda, additional Drawings issued subsequent to the execution of the Construction Contract, RFIs, Engineer's clarifications and interpretations of the Construction Contract Documents, progress reports, approved Shop Drawing and Sample submittals, and other Project-related documents.~~
- ~~b. Prepare a daily report or keep a diary or log book, recording Contractor's hours on the Site, Subcontractors present at the Site, weather conditions, data relative to questions of Change Proposals, Change Orders, Field Orders, Work Change Directives, or changed conditions, Site visitors, deliveries of equipment or materials, daily activities, decisions, observations in general, and specific observations in more detail as in the case of observing test procedures; and send copies to Engineer.~~
- ~~c. Upon request from Owner to Engineer, photograph or video Work in progress or Site conditions.~~

- d. ~~Record and maintain accurate, up-to-date lists of the company names and points of contact for Contractors, Subcontractors, and major Suppliers of materials and equipment.~~
- e. ~~Maintain records for use in preparing Project documentation.~~
- f. ~~Upon completion of the Work, furnish original set of all RPR Project documentation to designated recipients.~~

#### ~~12. Reports~~

- a. ~~Furnish periodic reports as required of progress of the Work and of Contractor's compliance with the progress schedule and schedule of Shop Drawing and Sample submittals.~~
- b. ~~Draft responses to or make recommends on Change Proposals, Change Orders, Work Change Directives, and Field Orders. Obtain backup material from Contractor.~~
- c. ~~Furnish to Engineer and Owner copies of all inspection, test, and system start-up reports.~~
- d. ~~Immediately inform appropriate parties of the occurrence of any Site accidents, emergencies, natural catastrophes endangering the Work, possible force majeure or delay events, damage to property by fire or other causes, or the discovery of any potential differing site condition or Constituent of Concern.~~

~~13. Payment Requests: Review applications for payment with Contractor for compliance with the established procedure for their submission and forward with recommendations to Engineer, noting particularly the relationship of the payment requested to the schedule of values, Work completed, and materials and equipment delivered at the Site but not incorporated in the Work.~~

~~14. Certificates, Operation and Maintenance Manuals: During the course of the Work, verify that materials and equipment certificates, operation and maintenance manuals and other data required by the Contract Documents to be assembled and furnished by Contractor are applicable to the items actually installed and in accordance with the Contract Documents, and have these documents delivered to Engineer for review and forwarding to Owner prior to payment for that part of the Work.~~

#### ~~15. Completion~~

- a. ~~Participate in Engineer's visits to the Site regarding Substantial Completion, assist in the determination of Substantial Completion, and prior to the issuance of a Certificate of Substantial Completion submit a punch list of observed items requiring completion or correction.~~
- b. ~~Participate in Engineer's visit to the Site in the company of Owner and Contractor, to determine completion of the Work, and prepare a final punch list of items to be completed or corrected by Contractor.~~
- c. ~~Observe whether all items on the final punch list have been completed or corrected, and make recommendations to Engineer concerning acceptance and issuance of the Notice of Acceptability of the Work (Exhibit E).~~

~~1.03—Limitations of Authority~~

~~A.—Resident Project Representative shall not:~~

- ~~1.—Authorize any deviation from the Construction Contract Documents or substitution of materials or equipment (including "or-equal" items).~~
- ~~2.—Exceed limitations of Engineer's authority as set forth in this Agreement.~~
- ~~3.—Undertake any of the responsibilities of Contractor, Subcontractors, or Suppliers, or any Constructor.~~
- ~~4.—Advise on, issue directions relative to, or assume control over any aspect of the means, methods, techniques, sequences or procedures of the Work, by Contractor or any other Constructor.~~
- ~~5.—Advise on, issue directions regarding, or assume control over security or safety practices, precautions, and programs in connection with the activities or operations of Owner or Contractor.~~
- ~~6.—Participate in specialized field or laboratory tests or inspections conducted off site by others except as specifically authorized by Engineer.~~
- ~~7.—Accept Shop Drawing or Sample submittals from anyone other than Contractor.~~
- ~~8.—Authorize Owner to occupy the Project in whole or in part.~~

Omitted

**NOTICE OF ACCEPTABILITY OF WORK (EJCDC® C-626 2018)**

Owner: \_\_\_\_\_ Owner's Project No.: \_\_\_\_\_  
Engineer: \_\_\_\_\_ Engineer's Project No.: \_\_\_\_\_  
Contractor: \_\_\_\_\_ Contractor's Project No.: \_\_\_\_\_  
Project: \_\_\_\_\_  
Contract Name: \_\_\_\_\_  
Notice Date: \_\_\_\_\_ Effective Date of the Construction Contract: \_\_\_\_\_

The Engineer hereby gives notice to the Owner and Contractor that Engineer recommends final payment to Contractor, and that the Work furnished and performed by Contractor under the Construction Contract is acceptable, expressly subject to the provisions of the Construction Contract's Contract Documents ("Contract Documents") and of the Agreement between Owner and Engineer for Professional Services dated **[date of professional services agreement]** ("Owner-Engineer Agreement"). This Notice of Acceptability of Work (Notice) is made expressly subject to the following terms and conditions to which all who receive and rely on said Notice agree:

1. This Notice has been prepared with the skill and care ordinarily used by members of the engineering profession practicing under similar conditions at the same time and in the same locality.
2. This Notice reflects and is an expression of the Engineer's professional opinion.
3. This Notice has been prepared to the best of Engineer's knowledge, information, and belief as of the Notice Date.
4. This Notice is based entirely on and expressly limited by the scope of services Engineer has been employed by Owner to perform or furnish during construction of the Project (including observation of the Contractor's Work) under the Owner-Engineer Agreement, and applies only to facts that are within Engineer's knowledge or could reasonably have been ascertained by Engineer as a result of carrying out the responsibilities specifically assigned to Engineer under such Owner-Engineer Agreement.
5. This Notice is not a guarantee or warranty of Contractor's performance under the Construction Contract, an acceptance of Work that is not in accordance with the Contract Documents, including but not limited to defective Work discovered after final inspection, nor an assumption of responsibility for any failure of Contractor to furnish and perform the Work thereunder in accordance with the Contract Documents, or to otherwise comply with the Contract Documents or the terms of any special guarantees specified therein.
6. This Notice does not relieve Contractor of any surviving obligations under the Construction Contract, and is subject to Owner's reservations of rights with respect to completion and final payment.

Engineer

By (signature): \_\_\_\_\_  
Name (printed): \_\_\_\_\_  
Title: \_\_\_\_\_

## **EXHIBIT F—RESERVED**

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### **Guidance Notes—Exhibit F**

1. See Exhibit F—Electronic Documents Protocol (EDP), in E-505 Part 2 of 4: Exhibits to Main Agreement.

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Exhibit F—Reserved.

Exhibits to Task Order. EJCDC® E-505, Agreement between Owner and Engineer for Professional Services.  
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## **EXHIBIT G—RESERVED**

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### **Guidance Notes—Exhibit G**

1. See Exhibit G—Insurance, in E-505 Part 2 of 4: Exhibits to Main Agreement.

## **EXHIBIT H—RESERVED**

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### **Guidance Notes—Exhibit H**

1. See Exhibit H—Dispute Resolution, in E-505 Part 2 of 4: Exhibits to Main Agreement.

## **EXHIBIT I—RESERVED**

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### **Guidance Notes—Exhibit I**

1. See Exhibit I—Limitations of Liability, in E-505 Part 2 of 4: Exhibits to Main Agreement.

City of Schertz

PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: Northcliff Country Club Estates Reconstruction  
 Prime Consultant: UNINTECH CONSULTING ENGINEERS, INC.  
 Subconsultant:  
 Proposal Date: 3/14/2025  
 Prepared By: Mark B Hill, PE

TASK CODE AND DESCRIPTION	Resource Rates											TASK HOURS	TASK / PHASE FEE
	Sr. Civil Engineer	Project Manger	Project Engineer	EIT	Designer	CAD Tech	RPLS	SIT	Survey Tech	Survey Crew - 2 man	Survey Crew - 3 man		
	\$243.00	\$220.00	\$185.00	\$125.00	\$114.00	\$96.00	\$235.00	\$133.00	\$133.00	\$175.00	\$198.00		
<b>Preliminary Design</b>	8	53	113	240	212	228	12	56	96	112	4	1134	\$153,993.00
01. Project Management and General Items													
01.010. DSR Preparation / Scoping Meeting		4										4	\$880.00
01.040. Design Progress Review Meetings (frequency as needed for project development)		4										4	\$880.00
01.070. Project Administration (includes but not limited to invoicing, sub consultants management, document mana		4										4	\$880.00
01.080. QA/QC (processes, communication, and deliverables)	8	8										16	\$3,704.00
01.090. Operations and Maintenance Manual												0	
02. Right-of-Way Surveying and Mapping													
02.010. Acquire Ownership Information								16	16			32	\$4,256.00
03. Topographic Surveying / Base Mapping													
03.010. Establish Primary Project Control							8			12	4	24	\$4,772.00
03.050. Survey Cross Sections / Spot Elevations to Develop DTM / Cross Sections													
3.050.010. To ROW Only											80	80	\$14,000.00
03.070. Survey Quality Level C Locates											10	10	\$1,750.00
03.080. Tree Survey											10	10	\$1,750.00
03.110. Planimetrics and Topgraphy CAD			8	16		24	4	40	80			172	\$22,684.00
04. Roadway Design													
04.010. Typical Sections - Existing and Proposed		1	1	8								10	\$1,405.00
04.020. Horizontal Roadway Alignments		2	8	8								18	\$2,920.00
04.030. Roadway Profiles		2	8	8								18	\$2,920.00
04.040. Street Cross Sections		1	2	8	24	24						59	\$6,630.00
04.050. Plan and Profile Sheets		2	8	24	60	60						154	\$17,520.00
04.070. Driveway Summary Sheet		1	2	8	12	12						35	\$4,110.00
05. Drainage Design													
05.010.010. Drainage Area Map			2	8								10	\$1,370.00
05.010.020. Model Hydrology (Pre-Project and Post-Project)			8	24								32	\$4,480.00
05.010.030. Calculate Design Discharges			8	24								32	\$4,480.00
05.010.030. Prepare Report		1	4	16								21	\$2,960.00
06. Pavement Design and Geotech Engineering													
07. Utility Plans													
07.010. Prepare 40% Water Plans - Cover Sheet, Index, Gen Notes			1			8						9	\$953.00
07.020. Prepare 40% Water Plans - Quantities			1	4	8	8						21	\$2,385.00
07.030. Prepare 40% Water Plans - Plan/Plan and Profile and Details		16	24	24	60	60						184	\$23,560.00
08. Traffic Control Plan													
08.010. Construction Phasing Typical Sections			1	8								9	\$1,185.00
08.020. Construction Phasing and Sequence of Work		2	8	24								34	\$4,920.00
08.030. Conceptual Construction Phasing Layouts			1	4								5	\$685.00
09. Other Plans													
09.010. Intersection Layouts		2	8	8	24	24						66	\$7,960.00
09.050. Pavement Marking and Signing Plan		2	8	8	24	24						42	\$5,656.00
11. Cost Estimating													
11.010. 40% Plans Cost Estimate		1	2	8		8						19	\$2,358.00
15. Communications													
<b>Final Design</b>	8	34	103	146	212	328	0	0	0	0	0	831	\$102,385.00
01. Project Management and General Items													
01.030. Design Review Meetings (70%)		2										2	\$440.00
01.040. Design Progress Review Meetings (frequency as needed for project development)		2										2	\$440.00
01.050. Prepare Meeting Minutes for all attended meetings		2										2	\$440.00
01.060. Develop and Maintain Project Schedules (includes both Design and Construction)		2										2	\$440.00
01.070. Project Administration (includes but not limited to invoicing, sub consultants management, document mana		1										1	\$220.00
01.080. QA/QC (processes, communication, and deliverables)	8	8										16	\$3,704.00

City of Schertz

PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: Northcliff Country Club Estates Reconstruction  
 Prime Consultant: UNINTECH CONSULTING ENGINEERS, INC.  
 Subconsultant:  
 Proposal Date: 3/14/2025  
 Prepared By: Mark B Hill, PE

TASK CODE AND DESCRIPTION	Resource Rates											TASK HOURS	TASK / PHASE FEE
	Sr. Civil Engineer	Project Manger	Project Engineer	EIT	Designer	CAD Tech	RPLS	SIT	Survey Tech	Survey Crew - 2 man	Survey Crew - 3 man		
	\$243.00	\$220.00	\$185.00	\$125.00	\$114.00	\$96.00	\$235.00	\$133.00	\$133.00	\$175.00	\$198.00		
<b>04. Roadway Design</b>													
04.010. General Sheets – Index, Summaries / Quantities, Supplemental General Notes			1	2		8						11	\$1,203.00
04.020. Refine Typical Roadway Sections (Existing and Proposed) for various roadways in project area			2	8		8						18	\$2,138.00
04.030. Horizontal Roadway Alignments			1	4								5	\$685.00
04.040. Roadway Profiles			1	4								5	\$685.00
04.050. Street Cross Sections			2	4		8						14	\$1,638.00
04.060. Develop Plan and Profile sheets for 1" = 40' plans			4	12		24						40	\$4,544.00
04.070. Driveway Summary Sheet			2	4		8						14	\$1,638.00
<b>05. Drainage Design</b>													
05.020. Design Storm Drain Facilities (Plan and Profile)													
05.020.020. Drainage Area Map			2	8	8							18	\$2,282.00
<b>07. Utility Plans</b>													
07.010. Prepare 70% Water Plans - Cover Sheet, Index, Gen Notes			1			8						9	\$953.00
07.020. Prepare 70% Water Plans - Quantities		1	1	4	8	8						22	\$2,585.00
07.030. Prepare 70% Water Plans - Plan/Plan and Profile and Details		8	25	24	120	120						297	\$34,585.00
<b>08. Traffic Control Plan</b>													
08.010. Construction Phasing Typical Sections			1			8						9	\$953.00
08.020. Construction Phasing and Sequence of Work				4								4	\$500.00
08.030. Construction Phasing Layouts		1	8	8	24	24						65	\$7,740.00
08.040. Traffic control and advanced warning devices				4		16						20	\$2,036.00
08.050. Detour layouts and barricade plans			2			8						10	\$1,138.00
<b>09. Other Plans</b>													
09.010. Intersection Layouts			2	4	12	16						34	\$3,774.00
09.050. Pavement Marking and Signing Plan		1	4	8	16	16						45	\$5,320.00
09.060.010. SW3P Narrative			1	2	8	8						19	\$2,115.00
09.060.020. SW3P Layouts			1	2	16	16						35	\$3,795.00
09.080. Details and Specifications													
09.080.010. Special Details			2	8		24						34	\$3,674.00
09.080.020. List of Governing Specifications			4									4	\$740.00
09.080.030. Special Provisions			8	16								24	\$3,480.00
09.080.040. Special Specifications			8	16								24	\$3,480.00
<b>11. Cost Estimating</b>													
11.010. 70% Plans Cost Estimate		2	16									18	\$3,400.00
<b>15. Communications</b>													
15.020. Public Meeting and Exhibits		4	4									8	\$1,620.00
<b>Bid Phase</b>	0	15	42	28	0	0	0	0	0	0	0	85	\$15,380.00
<b>12. Bid Phase</b>													
12.010. Submit 100% Plans			4	8								12	\$1,740.00
12.020. Final Project Specifications Book		2	8									10	\$1,920.00
12.030. Submittal List													
12.040. Finalize Constructability Issues		2	16	16								34	\$5,400.00
12.060. Attend 100% Review Meeting		2	2									4	\$810.00
12.070. Assist the City in Preparing Advertising Documents		2	2									4	\$810.00
12.090. Participate in Pre-Bid Meeting		2	2									4	\$810.00
12.100. Respond to Contractor Questions		2	2									4	\$810.00
12.110. Prepare and Distribute Necessary Addenda		2	2									4	\$810.00
12.120. Prepare Bid Tabulation and Letter of Recommendation		1	4	4								9	\$1,460.00
12.130. Participate in Pre-Con meeting		2	2									4	\$810.00
<b>Construction Phase</b>	0	30	88	88	0	0	0	1	0	8	0	215	\$35,413.00
<b>13. Construction Management</b>													
13.010. Reestablish Project Control Points for Contractor Prior to Construction								1		8		9	\$1,533.00
13.020. Review Contractor Pay Estimates		2	12	12								26	\$4,160.00

City of Schertz

PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: Northcliff Country Club Estates Reconstruction  
 Prime Consultant: UNINTECH CONSULTING ENGINEERS, INC.  
 Subconsultant:  
 Proposal Date: 3/14/2025  
 Prepared By: Mark B Hill, PE

TASK CODE AND DESCRIPTION	Hourly Rates										TASK HOURS	TASK / PHASE FEE	
	Sr. Civil Engineer	Project Manger	Project Engineer	EIT	Designer	CAD Tech	RPLS	SIT	Survey Tech	Survey Crew - 2 man			Survey Crew - 3 man
	\$243.00	\$220.00	\$185.00	\$125.00	\$114.00	\$96.00	\$235.00	\$133.00	\$133.00	\$175.00	\$198.00		
13.030. Review / Negotiate Change Orders			4	8								12	\$1,740.00
13.040. Review Shop Drawings			4	16								20	\$2,740.00
13.050. Respond to RFIs			8	8								16	\$3,240.00
13.060. Project Site Visits and Reports (Minimum Two Per Month)			12	40	40							92	\$15,040.00
13.070. Participate in Construction Progress Meetings and Prepare Meeting Minutes (Coincide With 13.6 When Possible)			12	12								24	\$3,720.00
13.080. Final Walkthrough and Punchlist Review			4	4								8	\$1,620.00
15. Communications													
15.020. Public Meeting and Exhibits			4	4								8	\$1,620.00
<b>Project Closeout</b>	0	0	2	4	0	16	0	0	0	0	0	<b>22</b>	<b>\$2,406.00</b>
14. Project Closeout													
14.010. Prepare Record Drawings			2	4		16						22	\$2,406.00
<b>Subconsulting Services</b>													<b>\$44,000.00</b>
2 Geotechnical Sampling and Report													\$13,600.00
4 SUE Level A Locates (6, 1-10 ft) (Estimated 4 @\$3,100/ea)													\$12,400.00
5 SUE Level B (lump sum) (ROW estimated 1000 lf)													\$18,000.00
<b>TOTAL BASE FEE WITH HOUR BREAKDOWN</b>	<b>16</b>	<b>132</b>	<b>348</b>	<b>506</b>	<b>424</b>	<b>572</b>	<b>12</b>	<b>57</b>	<b>96</b>	<b>120</b>	<b>4</b>	<b>2287</b>	<b>\$353,577.00</b>

# CITY OF SCHERTZ

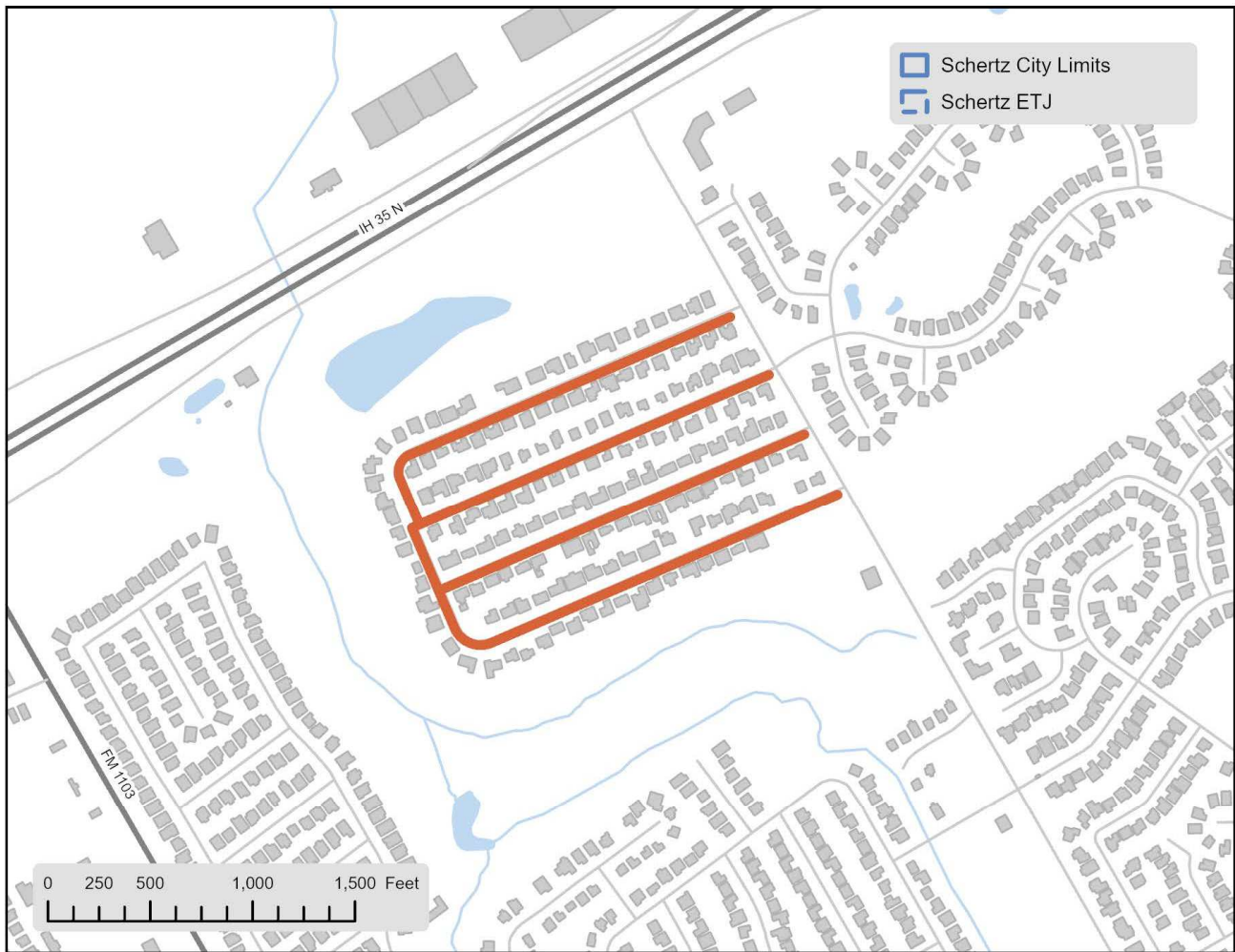
## CAPITAL IMPROVEMENT PROJECT SHEET

Project Type:  Project Code:

Project Title:

Location:

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NORTHCLIFFE COUNTRY CLUB ESTATES  
SUBDIVISION

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# CITY OF SCHERTZ

## CAPITAL IMPROVEMENT PROJECT SHEET

**Project Type:**  **Project Code:**

**Project Title:**

**Project Manager:**

**Location Description:**

**Project Summary:**

This project is the replacement of approximately 7,450 linear feet of aging 6" and 8" water distribution mains and 8" wastewater collection mains throughout the Northcliffe Country Club Estates Subdivision.

**Start Date:**

**Completion Date:**

**Original Project Sheet from  
FY 24-25 CIP**

**Project Forecast**

	Prior								
	Appropriation	2023-24	2024-25	2025-26	2026-27	2027-28	2028-33	Total Cost	
<b>Funding Source</b>									
Bonds	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ 1,600,000	\$ 4,000,000	
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>Total Funding Source</b>	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ 1,600,000	\$ 4,000,000	
<b>Expenditure</b>									
Land Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Professional Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ -	\$ 400,000	
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,600,000	\$ 3,600,000	
<b>Total Expenditure</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ 3,600,000	\$ 4,000,000	

# CITY OF SCHERTZ

## CAPITAL IMPROVEMENT PROJECT SHEET

<b>Project Type:</b>	Water/Wastewater	<b>Project Code:</b>	W24
<b>Project Title:</b>	Northcliffe Country Club Estates Water and Wastewater Main Replacement		
<b>Project Manager:</b>	Engineering		
<b>Location Description:</b>	Northcliffe Country Club Estates Subdivision		
<b>Project Summary:</b>	<p>This project is the replacement of approximately 7,450 linear feet of aging 6" and 8" water distribution mains and 8" wastewater collection mains throughout the Northcliffe Country Club Estates Subdivision.</p> <p style="color: red;">Project also includes rehabilitation of all streets</p>		

<b>Start Date:</b>	Oct-24	Summer 2025	Resolution 25-R-074 Updated Project Sheet
<b>Completion Date:</b>	Sep-27	Fall 2026	

**Project Forecast**

	Prior Appropriation	2023-24	2024-25	2025-26	2026-27	2027-28	2028-33	Total Cost
<b>Funding Source</b>								
Water and Sewer Bonds	\$ 2,000,000	\$ -	\$ -	\$ 6,733,400	\$ -	\$ -	\$ -	\$ 8,733,400
Street Bonds	\$ -	\$ -	\$ -	\$ 1,701,600	\$ -	\$ -	\$ -	\$ 1,701,600
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Source</b>	\$ 2,000,000	\$ -	\$ -	\$ 8,435,000	\$ -	\$ -	\$ -	\$ 10,435,000
<b>Expenditure</b>								
Land Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Professional Services	\$ -	\$ -	\$ 533,400	\$ 101,600	\$ -	\$ -	\$ -	\$ 635,000
Construction	\$ -	\$ -	\$ -	\$ 9,800,000	\$ -	\$ -	\$ -	\$ 9,800,000
<b>Total Expenditure</b>	\$ -	\$ -	\$ 533,400	\$ 9,901,600	\$ -	\$ -	\$ -	\$ 10,435,000

Shortfall in funding being reallocated from IH 35 Dedicated Water Transmission Main and 2026 SPAM to fully fund this project.

# CITY OF SCHERTZ

## CAPITAL IMPROVEMENT PROJECT SHEET

**Project Type:** Water **Project Code:** W22

**Project Title:** IH 35 Dedicated Water Transmission Main

**Project Manager:**  

**Location Description:** East Live Oak Water Plant to IH 35 Elevated Water Tank

**Project Summary:** The project includes construction of a 24-inch dedicated water transmission main connecting the Live Oak Tank to the IH 35 Tank at Holly Lane. The main is needed to relieve pressure on the distribution network and provide a more reliable transmission of water between the two facilities.

**Start Date:** Jul-20

**Completion Date:** Dec-26 TBD

**Project Forecast**

	Prior Appropriation	2023-24	2024-25	2025-26	2026-27	2027-28	2028-33	Total Cost
<b>Funding Source</b>								
Water/Sewer Reserves	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,500,000
Bonds	\$ 4,000,000	\$ -	\$ 8,573,205	\$ -	\$ -	\$ -	\$ -	\$ 12,573,205
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Source</b>	\$ 6,500,000	\$ -	\$ 8,573,205	\$ -	\$ -	\$ -	\$ -	\$ 15,073,205
<b>Expenditure</b>								
Land Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Professional Services	\$ 1,327,060	\$ -	\$ 687,308	\$ 687,308	\$ -	\$ -	\$ -	\$ 2,701,676
Construction	\$ -	\$ -	\$ 6,185,764	\$ 6,000,000	\$ 185,765	\$ -	\$ -	\$ 12,371,529
<b>Total Expenditure</b>	\$ 1,327,060	\$ -	\$ 6,873,072	\$ 6,687,308	\$ 185,765	\$ -	\$ -	\$ 15,073,205

Completion of project being delayed - to be rescheduled in future CIP. Remaining cash and bond funds currently allocated for this project being reassigned to make up budget shortfalls in other projects.

**Resolution 25-R-062**

\$120k reassigned to Schertz Pkwy 16" Transmission Main Prof. Services budget  
\$675k reassigned to Schertz Pkwy 16" Transmission Main Construction budget

**Resolution 25-R-074**

\$6,301,600 reassigned to Northcliffe Country Club Estates Water and Wastewater Replacement Construction Budget

# CITY OF SCHERTZ

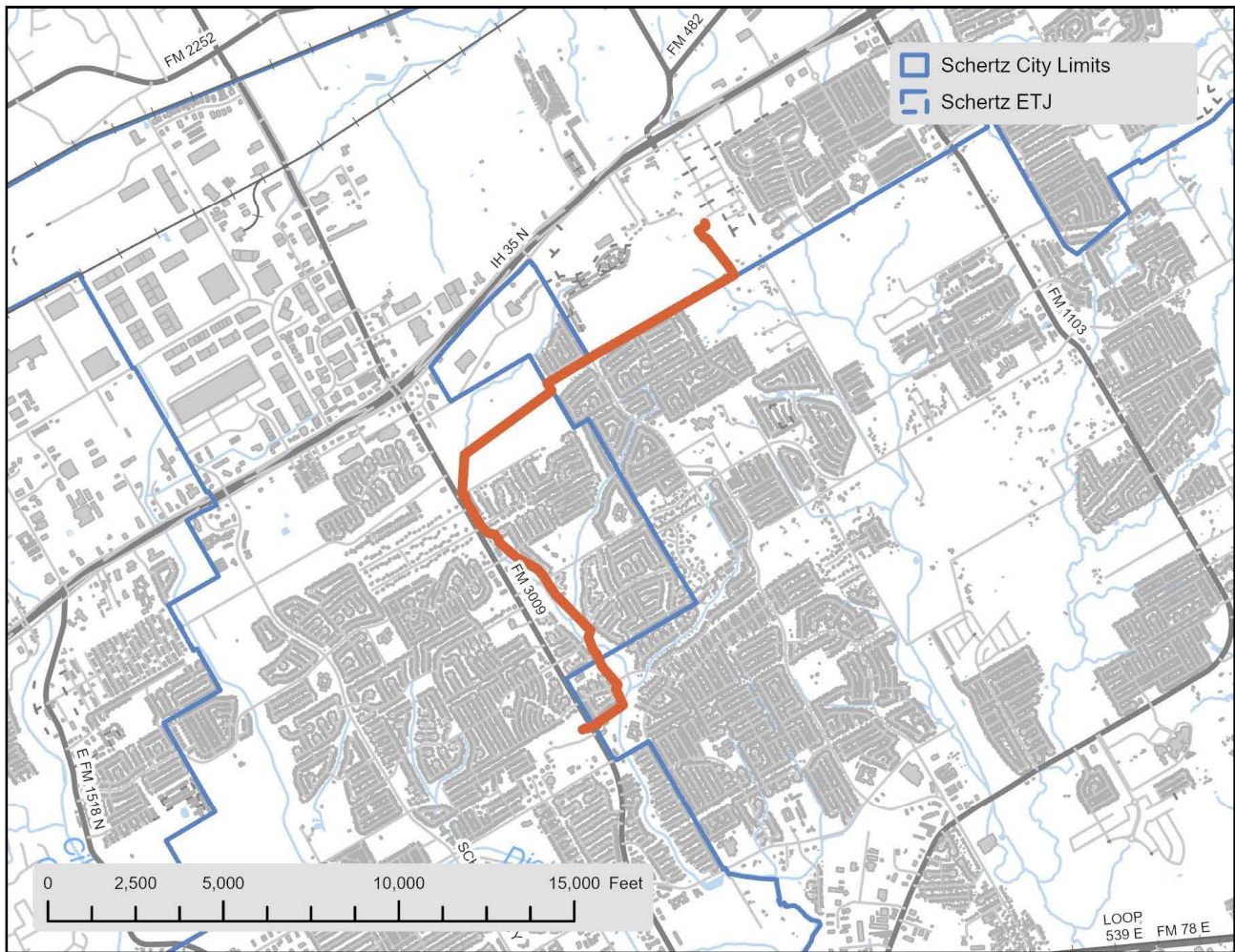
## CAPITAL IMPROVEMENT PROJECT SHEET

Project Type:  Project Code:

Project Title:

Location:

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IH 35 DEDICATED TRANSMISSION MAIN

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# CITY OF SCHERTZ

## CAPITAL IMPROVEMENT PROJECT SHEET

**Project Type:**  **Project Code:**

**Project Title:**

**Project Manager:**

**Location Description:**

**Project Summary:** Some of the streets in the project area will be resurfaced, while others will be rehabilitated. The streets getting resurfaced will receive either a slurry seal or a mill and overlay, depending on the usage of the street. Lower volume local streets will get a slurry seal, while higher volume streets (collectors and arterials) like Oak Street, will receive a mill and overlay. A slurry seal is a thick layer of sand/oil mixture spread onto the surface of the street. This is to preserve the streets and increase the street's Pavement Condition Index to a high score. A mill and overlay involves grinding off part of the asphalt surface and adding a new layer of asphalt to the surface. Some of the local streets in the project are in poorer condition and require more work than just a slurry seal. Those streets will be rehabilitated. Rehabilitation is removing the existing asphalt, stabilizing the base underneath, and adding a new asphalt layer on top. Areas include: The links at Scenic Hills, Riata, and Fairway Ridge subdivisions; and Oak Street and Nell Deane streets. **Specific streets to be included in modified scope to be updated with FY 25-26 CIP**

**Start Date:**

**Completion Date:**

**Project Forecast**

	Prior	2023-24	2024-25	2025-26	2026-27	2027-28	2028-33	Total Cost
<b>Funding Source</b>								
Bonds	\$ -	\$ -	\$ -	\$ 3,182,000	\$ -	\$ -	\$ -	\$ 3,182,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Source</b>	\$ -	\$ -	\$ -	\$ 3,182,000	\$ -	\$ -	\$ -	\$ 3,182,000
<b>Expenditure</b>								
Land Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Professional Services	\$ -	\$ -	\$ -	\$ 318,200	\$ -	\$ -	\$ -	\$ 318,200
Construction	\$ -	\$ -	\$ -	\$ 2,863,800	\$ -	\$ -	\$ -	\$ 2,863,800
<b>Total Expenditure</b>	\$ -	\$ -	\$ -	\$ 3,182,000	\$ -	\$ -	\$ -	\$ 3,182,000

Resolution 25-R-074  
 \$1,600,000 reallocated to Northcliffe Country Club Estates Water/Wastewater and Street Rehabilitation Construction Budget  
 \$ 101,600 reallocated to Northcliffe Country Club Estates Water/Wastewater and Street Rehabilitation Professional Services Budget