

STANDARD AGREEMENT FOR PROFESSIONAL SERVICES

THIS AGREEMENT made between the City of Aurora, whose address is 44 E. Downer Place, Aurora, Illinois 60507 hereinafter called the **CLIENT** and Crawford, Murphy & Tilly, Inc., Consulting Engineers, 2750 West Washington Street, Springfield, Illinois 62702, hereinafter called the **ENGINEER**.

WITNESSETH, that whereas the **CLIENT** desires the following described professional engineering, land surveying or architectural services:

Professional design and construction engineering services for the New Well 128 Improvements as described in the attached Exhibit A – Scope of Services.

NOW THEREFORE, the **ENGINEER** agrees to provide the above described services and the **CLIENT** agrees to compensate the **ENGINEER** for these services in the manner checked below:

- On a time and expense basis in accordance with the attached Exhibit C - Schedule of Hourly Charges which is subject to change at the beginning of each calendar year. Reimbursable direct expenses will be invoiced at cost. Professional or Subconsultant services performed by another firm will be invoiced at cost plus ten percent. Note that no Professional or Subconsultant services are anticipated to be furnished to the **ENGINEER** by another firm on this project.
- At the lump sum amount of \$_____.

IT IS MUTUALLY AGREED THAT, payment for services rendered shall be made monthly in accordance with invoices rendered by the **ENGINEER**.

IT IS FURTHER MUTUALLY AGREED:

That the compensation for design phase and construction phase engineering services for the New Well 128 Improvements shall not exceed \$195,990, per the attached Exhibit B without further authorization from the **CLIENT**.

The **CLIENT** and the **ENGINEER** each binds himself, his partners, successors, executors, administrators and assignees to each other party hereto in respect to all the covenants and agreements herein and, except as above, neither the **CLIENT** nor the **ENGINEER** shall assign, sublet or transfer any part of his interest in this **AGREEMENT** without the written consent of the other party hereto. This **AGREEMENT**, and its construction, validity and performance, shall be governed and construed in accordance with the laws of the State of Illinois. This **AGREEMENT** is subject to the General Conditions attached hereto.

IN WITNESS WHEREOF, the parties hereto have affixed their hands and seals this ____ day of _____, 2025.

CLIENT:

CITY OF AURORA

(Client Name)

(Signature)

(Name and Title)

ENGINEER:

CRAWFORD, MURPHY & TILLY, INC.



(Signature)

Theresa O'Grady, Vice President

(Name and Title)

CMT Job No. _____

STANDARD GENERAL CONDITIONS
Crawford, Murphy & Tilly, Inc.

1. Standard of Care

In performing its professional services hereunder, the **ENGINEER** will use that degree of care and skill ordinarily exercised, under similar circumstances, by members of its profession practicing in the same or similar locality. No other warranty, express or implied, is made or intended by the **ENGINEER'S** undertaking herein or its performance of services hereunder.

2. Reuse of Document

All Reports, Drawings, Specifications, other documents, and electronic media prepared or furnished by **ENGINEER** pursuant to this Agreement are instruments of service in respect to the Project and shall be the property of the **CLIENT**. **ENGINEER** shall retain the right of reuse of said documents and electronic media by and at the discretion of the **ENGINEER** whether or not the Project is completed. Reproducible copies of **ENGINEER'S** documents and electronic media of the Project and **ENGINEER's** documents shall be delivered to the **CLIENT**; however, Project and **ENGINEER's** documents and electronic media are not intended or represented to be suitable for reuse by the **CLIENT** or others on additions or extensions of the Project, or on any other project.

3. Termination

This Agreement may be terminated by either party upon seven days prior written notice. In the event of termination, the **ENGINEER** shall be compensated by the client for all services performed up to and including the termination date, including reimbursable expenses.

4. Parties to the Agreement

The services to be performed by the **ENGINEER** under this Agreement are intended solely for the benefit of the **CLIENT**. Nothing contained herein shall confer any rights upon or create any duties on the part of the **ENGINEER** toward any person or persons not a party to this Agreement including, but not limited to any contractor, subcontractor, supplier, or the agents, officers, employees, insurers, or sureties of any of them.

5. Construction and Safety

This project will be completed with **CLIENT** staff working alongside **ENGINEER** staff. The **ENGINEER** shall be responsible for the safety of their own personnel working on the job site. The **CLIENT** shall be responsible for the safety of their own personnel working on the job site.

6. Payment

CLIENT shall be invoiced once each month for work performed during the preceding period. **CLIENT** agrees to approve and pay such invoices in the manner provided by the Local Government Prompt Payment Act, 50 ILCS 505/1 et. seq. **CLIENT** further agrees to pay interest on all amounts approved and not paid at the interest rate permitted under the Local Government Prompt Payment Act.

7. Insurance

ENGINEER shall indemnify and save harmless **CITY**, its officers and employees, from suits, actions or claims of any character brought because of any injuries or damages received or sustained by any person, persons, or property resulting from any negligent act, error or omission on the part of **ENGINEER**.

During the term of this AGREEMENT, **ENGINEER** shall provide the following types of insurance with no less than the following specified amounts.

- a. Comprehensive general liability – combined single limit amount of \$1,000,000 per incident, \$2,000,000 general aggregate limit.
- b. Auto Liability – combined single limit amount of \$1,000,000 per incident on any vehicle driven by an R.I. while engaged in any activity within the scope of this AGREEMENT.
- c. Professional Liability - \$5,000,000;
- d. Worker's Compensation – Statutory Limit; the policy shall include a "Waiver of Subrogation" clause;
- e. "Umbrella Coverage" - \$5,000,000.

ENGINEER shall furnish to **CITY** satisfactory proof of coverage of the above insurance requirements by a reliable company or companies, before commencing any work. Such proof shall consist of a current certificate executed by the insurance company(s) and shall be filed with **CITY**. Said certificate shall name the city of Aurora as additional, non-contributory insured and contain a clause which requires that no change shall be made to the coverage and there shall be no cancellation or lapse of such coverage unless **CITY** receives written notification from the insurance company providing coverage at least thirty (30)-days in advance of said cancellation or change in coverage.

City of Aurora
New Well No. 128 Improvements

February 21, 2025

Exhibit A - Scope of Services

The Well #128 Improvements Project will consist of two separate projects that will be designed and bid out separately and constructed by separate Contractors. The two projects are Well #128 Shallow Well Drilling; and Well #128 Site Piping, and Electrical.

The proposed Well #128 site is located at the City's existing Well House No. 28 at 1960 E Indian Trail Rd. CMT designed this well house in 2006. The well house and site were originally designed to accommodate the proposed shallow Well #128 and associated piping. The Project will include design, bidding and construction phase services for the well drilling and exterior piping and electrical as well as interior well house piping, electrical and SCADA integration (2 bid packages) to bring the new well online.

The following assumptions have been included in the development of the scope of services and estimated effort:

- It is assumed that the City will coordinate the purchase of pump and motor equipment for installation by the Well Drilling Contractor.
 - CMT will assist by reviewing the sizing calculations of the pump and motor and creating the procurement specifications for this phase of the project.
- SCADA will be designed by the City's SCADA integrator as an allowance to the construction of the Site Piping, and Electrical project.
- The proposed exterior and interior piping improvements will be consistent with the original design.
 - The well discharge piping will connect to the existing raw water main outside the well house as it was shown in the well house design sheets.
 - Electrical equipment will be housed inside the well house.
 - No chemical feed or water quality monitoring at the site.
- It has been assumed that the record drawings from the original construction will be used as the basis for the drawing sheets. A survey will be performed to verify that the record drawings accurately reflect existing conditions.
- It has been assumed that no well test hole drilling will be conducted. The existing Well 28 is on the same site and the geological formation from the existing well will be used for the design of the new well.
- It has been assumed that a City of Aurora Building Permit will not be required.
- Environmental soils testing has not been included. CMT will coordinate with the City of Aurora Water Production Division for soils testing and reporting and will include Clean Construction Demolition Debris disposal requirements in the specifications.
- It has been assumed that a Kane-DuPage Soil and Water Conservation District Permit will not be required given the limited area of disturbance anticipated.

Project Tasks

The following tasks are anticipated to provide design phase and bidding phase engineering services for each of two bid packages (as appropriate).

1. Conduct project kick off meeting with the City.
2. Review of the existing well house plans and conversion to newest version of AutoCAD.
3. Survey the well site. Using original record drawings, perform site visit to verify existing conditions inside and outside (for the pavement areas) the well house. Download survey and create base sheets. Inspect existing electrical components.
4. Conduct hydraulic calculations and assess pump sizes to verify the capacity of the existing raw water main under the conditions of both wells operating simultaneously.
5. Develop preliminary well site plan, connection to the existing raw water main outside the well house and interior piping. Submit to the City for review.
6. Prepare pre-final drawings and specifications. Submit pre-final drawings and specifications to the City for review.
7. Submit pre-final drawings and specifications for permitting to the IEPA.
8. Meeting with the City to discuss comments on pre-final drawings and specifications.
9. Prepare Opinion of Probable Construction Costs.
10. Verify construction schedule based on lead times of major equipment.
11. Prepare final drawings and specifications for bidding. Submit pdf and electronic copies to the City.
12. Provide final drawings and specifications to the City for publication through the City of Aurora Purchasing Division.
13. Conduct pre-bid meeting, prepare and distribute meeting minutes.
14. Respond to bidder's questions. Prepare and issue addenda (as necessary).
15. Attend bid opening and prepare bid tabulation.
16. Perform review of bids, prepare recommendation for award.

The following tasks are anticipated to provide construction phase engineering services for each of the two projects.

1. Issue Notice of Award.
2. Prepare five contracts for execution. Send to the Contractor for execution. Review returned contracts prior to signature by the City.
3. Issue Notice to Proceed.
4. Conduct Pre-construction meeting and prepare meeting minutes.
5. Review shop drawings.
 - o For well drilling: Assume 10.
 - o For well pump and motor: Assume 4.
 - o For site piping, and electrical: Assume 8.
6. Perform construction observation as follows:
 - o For well drilling: Perform part-time construction observation duties for the well drilling and well pump test (assume 6 weeks – 10 hours each week – 60 hours).
 - o For well pump & motor: Perform part-time construction observation duties for the installation of the pump & motor by the Well Drilling Contractor (assume 2 weeks – 16 hours each week – 32 hours).
 - o For site piping, and electrical: Perform full-time construction observation during installation of the site piping, and underground electrical activities (assume 2 weeks – 80 hours). Perform part-time construction observation during non-buried

- construction such as installation of mechanical/electrical inside well house, and site restoration (assume 5 weeks – 16 hours per week - 80 hours).
7. Respond to Questions (RFIs) during Construction.
 8. Conduct monthly progress meetings with Contractors and Aurora Water Production Department staff.
 9. Review and recommend submitted pay requests (in addition to final pay request noted in #13).
 - For well drilling: Assume 3.
 - For well pump & motor: None – It has been assumed that this will be completed by the City
 - For site piping, and electrical: Assume 3
 10. Review submitted change order requests and requests for interpretation.
 11. Attend start-up and testing. It has been assumed that the Aurora Water Production Department staff will perform bacteriological sampling and testing to obtain IEPA Operating Permit.
 12. Conduct punchlist inspection and prepare punchlist.
 13. Review and recommend final payment.
 14. Prepare project close out documents including record drawings and O&M manuals. Submit pdf and electronic copies of record drawings to the City.

**CITY OF AURORA
NEW WELL NO. 128 IMPROVEMENTS**

**2025 PROFESSIONAL SERVICES COST ESTIMATE
EXHIBIT B**

**CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS**

21-Feb-25

		Well 128	
		Estimated Effort	Estimated Amount
DESIGN PHASE SERVICES			
B-1	Well No. 128 Shallow Well Drilling Design	246	\$40,710
	Well No. 128 Shallow Well Pump & Motor Design	(included in B-1)	
B-2	Well No. 128 Site Piping, and Electrical Design	351	\$52,020
CONSTRUCTION PHASE SERVICES			
B-3	Well No. 128 Shallow Well Drilling Construction	318	\$50,530
	Well No. 128 Shallow Well Pump and Motor Construction	(included in B-1)	
B-4	Well No. 128 Site Piping, and Electrical Construction	370	\$52,730
TOTAL ENGINEERING SERVICES		1,285	195,990

CRAWFORD, MURPHY & TILLY, INC.
 CONTRACT ATTACHMENT - EXHIBIT B1 - 2025 PROFESSIONAL SERVICES COST ESTIMATE

CLIENT: CITY OF AURORA
 PROJECT NAME: WELL NO. 128 SHALLOW WELL DRILLING DESIGN
 CMT JOB NO.: TBD

Prep By: AM
 DATE: 02/21/25

Apprvd: TLO
 DATE: 02/21/25

TASK NO.	TASKS \ CLASSIFICATIONS	Principal	Sr Spec or Sr Struct Eng 2	Proj Manager / Sr Struct Eng 2 / Sr Civil Engineer 2	Sr Env Engineer	Senior Scientist 2	Senior Enviro Scientist	Senior Civil Engr	Senior Technician 2	Senior Admin Specialist	Senior Technician	Struct Engr - Proj Spec	Civil Struct / Proj Engr / Project	Proj Environ Scientist	Blasped / Spec Engr	Specialty Prof	Admin Specialist	Architect	Environmental Technician	Administrative Assistant	LABOR SUMMARY
CURRENT YEAR 2024 HOURLY RATES																					
1-2	Kick-off Meeting with City and Data Gathering		\$260	\$230	\$209		\$222		\$186		\$152		\$154		\$120	\$112	\$149	\$99	\$94		10
3	Survey, Develop Site Plan and Inspect Electrical Components (included in B-2)	2											8								
4	Conduct Hydraulic Calculations For Raw Water Main (included in B-2)																				
5	Prepare Preliminary Plans, Review with City Staff	4										32	24								60
6	Prepare Pre-Final Plans & Specifications, Review with City Staff	4										32	24								60
7	Permitting - IEPA	2											8								10
8	Meet with City to Review Pre-Final Plans & Specifications	4											8								12
9-10	Prepare OPCC & Verify Schedule	2											8								10
11	Prepare Final Plans & Specifications	4										24	16								44
12	Advertise for Bidding	2											4								6
13	Conduct Pre-Bid Meeting												4								4
14	Respond to Bidder's Questions, Issue Addenda	2											4								6
15	Attend Bid Opening, Prepare Bid Tabulation	1											2								3
16	Review Bids and Recommend Award	1											4								5
	Project Management / QA-QC												16								16
	TOTAL MAN HOURS	28										88	130								246
	SUBTOTAL - BASE LABOR EFFORT	\$7,286										\$13,380	\$19,997								\$40,663

TASKS (CONTINUED)	TOTAL LABOR EFFORT	DIRECT EXPENSE & REIMBURSABLES											TOTAL EXPENSE	TOTAL FEE								
		TRAVEL MILEAGE	MEALS & LODGING	PRINTING	EQUIP-MENT	MISC	SURVEY MTL	SUBS	SUBS ADMIN	OTHER EXP	OTHER EXP											
1-2	Kick-off Meeting with City and Data Gathering	\$1,751																				\$1,751
3	Survey, Develop Site Plan and Inspect Electrical Components (included in B-2)																					
4	Conduct Hydraulic Calculations For Raw Water Main (included in B-2)																					
5	Prepare Preliminary Plans, Review with City Staff	\$9,598																				\$9,598
6	Prepare Pre-Final Plans & Specifications, Review with City Staff	\$9,598																				\$9,598
7	Permitting - IEPA	\$1,751			\$50															\$50		\$1,801
8	Meet with City to Review Pre-Final Plans & Specifications	\$2,271																				\$2,271
9-10	Prepare OPCC & Verify Schedule	\$1,751																				\$1,751
11	Prepare Final Plans & Specifications	\$7,151																				\$7,151
12	Advertise for Bidding	\$1,136																				\$1,136
13	Conduct Pre-Bid Meeting	\$615																				\$615
14	Respond to Bidder's Questions, Issue Addenda	\$1,136																				\$1,136
15	Attend Bid Opening, Prepare Bid Tabulation	\$568																				\$568
16	Review Bids and Recommend Award	\$875																				\$875
	Project Management / QA-QC	\$2,461																				\$2,461
	TOTALS	\$40,662			\$50																\$50	\$40,712
	TIME PERIOD OF PROJECT	2025	2026	2027	2028	TOTAL	EST % OF OT HRS INCLUDED ABOVE					MULTI-YEAR + OT										
	PERCENTAGE OF WORK TO BE PERFORMED BY YEAR	100%				100%	AVERAGE OVERTIME RATE PREMIUM					MLTPLR & AMT										
	WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT	1.0000				1.0000	OT ADJUSTMENT FACTOR					1.0000										
	ESTIMATED CONTINGENCY																					
	ROUNDING																					
	TOTAL FEE	MATH CROSS CHECK IS OK																			\$40,710	

CRAWFORD, MURPHY & TILLY, INC.
 CONTRACT ATTACHMENT - EXHIBIT B2 - 2025 PROFESSIONAL SERVICES COST ESTIMATE

CLIENT CITY OF AURORA
 PROJECT NAME WELL NO. 128 SITE PIPING, AND ELECTRICAL DESIGN
 CMT JOB NO. TBD

Prep By AM
 DATE 02/21/25

Apprvd TLO
 DATE 02/21/25

TASK NO.	TASKS \ CLASSIFICATIONS	CLASSIFICATIONS													MAN HOURS & LABOR SUMMARY			
		Principal	Sr. Spec or Sr. Planner 2 - Sr. Civil Engineer 2	Sr. Struct. Engr 2	Sr. Manager, Sr. Struct. Engr 2	Sr. Env. Scientist	Senior Specialist 2	Senior Envir. Scientist	Senior Civil Engr	Senior Technician 2	Senior Admin Specialist	Senior Technician	Struct. Engr, Proj. Civil Engr, Proj. Spec Engr	Civil, Struct., Proj. Environ. Scientist		Planner, Project Spec Engr	Specialty Professional	Admin Specialist
CURRENT YEAR 2024 HOURLY RATES		\$260	\$230	\$209	\$222	\$186	\$152	\$154	\$120	\$112	\$149	\$99	\$94	TOTAL				
1-2	Kick-off Meeting with City and Data Gathering	2						6	2					10				
3	Survey, Develop Site Plan and Inspect Electrical Components	4						4	8	16				32				
4	Conduct Hydraulic Calculations For Raw Water Main	4						16						20				
5	Prepare Preliminary Plans, Review with City Staff	2					24	8	24	8				66				
6	Prepare Pre-Final Plans & Specifications, Review with City Staff	2					24	16	24	12				78				
7	Permitting - IEPA	2						6						8				
8	Meet with City to Review Pre-Final Plans & Specifications	2						4						6				
9-10	Prepare OPCC & Verify Schedule	2						16						18				
11	Prepare Final Plans & Specifications	4					16	12	24	12				68				
12	Advertise for Bidding							2						2				
13	Conduct Pre-Bid Meeting							4						4				
14	Respond to Bidder's Questions, Issue Addenda	2						4						6				
15	Attend Bid Opening, Prepare Bid Tabulation							4						4				
16	Review Bids and Recommend Award	1						4						5				
	Project Management / QA-QC							24						24				
TOTAL MAN HOURS		27					64	130	82	48				351				
SUBTOTAL - BASE LABOR EFFORT		\$7,026					\$9,731	\$19,997	\$9,845	\$5,367				\$51,966				
TASKS (CONTINUED)		TOTAL LABOR EFFORT	DIRECT EXPENSE & REIMBURSABLES											TOTAL FEE				
			TRAVEL MILEAGE	MEALS & LODGING	PRINTING	EQUIP-MENT	MISC	SURVEY MTL	SUBS	SUBS ADMIN	OTHER EXP	OTHER EXP	TOTAL EXPENSE					
1-2	Kick-off Meeting with City and Data Gathering	\$1,683												\$1,683				
3	Survey, Develop Site Plan and Inspect Electrical Components	\$4,406												\$4,406				
4	Conduct Hydraulic Calculations For Raw Water Main	\$3,502												\$3,502				
5	Prepare Preliminary Plans, Review with City Staff	\$9,176												\$9,176				
6	Prepare Pre-Final Plans & Specifications, Review with City Staff	\$10,854												\$10,854				
7	Permitting - IEPA	\$1,443			\$50								\$50	\$1,493				
8	Meet with City to Review Pre-Final Plans & Specifications	\$1,136												\$1,136				
9-10	Prepare OPCC & Verify Schedule	\$2,982												\$2,982				
11	Prepare Final Plans & Specifications	\$9,543												\$9,543				
12	Advertise for Bidding	\$308												\$308				
13	Conduct Pre-Bid Meeting	\$615												\$615				
14	Respond to Bidder's Questions, Issue Addenda	\$1,136												\$1,136				
15	Attend Bid Opening, Prepare Bid Tabulation	\$615												\$615				
16	Review Bids and Recommend Award	\$875												\$875				
	Project Management / QA-QC	\$3,692												\$3,692				
TOTALS		\$51,966			\$50								\$50	\$52,016				
TIME PERIOD OF PROJECT		2025	2026	2027	2028	TOTAL	EST % OF OT HRS INCLUDED ABOVE						MULTI-YEAR + OT					
PERCENTAGE OF WORK TO BE PERFORMED BY YEAR		100%				100%	AVERAGE OVERTIME RATE PREMIUM						MLTPLR & AMT					
WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT		1.0000				1.0000	OT ADJUSTMENT FACTOR						1.0000					
ESTIMATED CONTINGENCY																		
ROUNDING																		
TOTAL FEE		MATH CROSS CHECK IS OK											\$52,020					

CRAWFORD, MURPHY & TILLY, INC.
 CONTRACT ATTACHMENT - EXHIBIT B3 - 2025 PROFESSIONAL SERVICES COST ESTIMATE

CLIENT: CITY OF AURORA
 PROJECT NAME: WELL NO. 128 SHALLOW WELL DRILLING CONSTRUCTION
 CMT JOB NO.: TBD

Prep By	AM
DATE	02/21/25
Apprvd	TLO
DATE	02/21/25

TASK NO.	TASKS \ CLASSIFICATIONS	Principal	Sr. Spec or Sr. Struct Engr 2	Sr. Spec or Sr. Civil Engineer 2	Proj Manager, Sr Struct Engr 2	Sr. Env Engineer	Senior Specialty Arch 2	Senior Scientist 2	Senior Envir Scientist	Senior Civil Engr	Senior Admin Specialist	Senior Technician 2	Senior Specialist	Senior Technician	Struct Engr, Proj Spec Engr	Civil, Struct, Project Engr	Proj Environ Scientist	Proj Civil Engr, Project Engr	Planner, Project Spec Engr	Specialty Professional	Admin Specialist	Architect	Environmental Scientist	Technician	Administrative Assistant	MAN HOURS & LABOR SUMMARY			
																											TOTAL		
CURRENT YEAR 2024 HOURLY RATES			\$260	\$230	\$209	\$222	\$186	\$152	\$154	\$120	\$112	\$149	\$99	\$94	TOTAL														
1-3	Issue Notice of Award, Contract Execution & Notice to Proceed																										8	12	
4	Conduct pre-construction meeting, prepare minutes		4																										8
5	Review Shop Drawings (assume 14)		8																										32
6	Perform Construction Observation (60 hrs well drilling, 32 hours pump installation)																												92
7	Respond to Questions during Construction		4																										28
8	Attend Progress Meetings (3)		4																										20
9	Review Pay Requests & Schedules (3)		6																										18
10	Review Change Order Requests		4																										16
11	Attend Start-up & Testing																												12
12	Conduct punchlist inspection & prepare punchlist		2																										14
13	Review & recommend final payment		2																										6
14	Project Close-Out includig Record Drawings		4																										32
	Project Management / QA-QC		4																										28
TOTAL MAN HOURS			42														174	90									12	318	
SUBTOTAL - BASE LABOR EFFORT			\$10,929														\$26,765	\$10,805									\$1,124	\$49,623	
TASKS (CONTINUED)		TOTAL LABOR EFFORT	DIRECT EXPENSE & REIMBURSABLES										TOTAL EXPENSE	TOTAL FEE															
			TRAVEL MILEAGE	MEALS & LODGING	PRINTING	EQUIP-MENT	MISC	SURVEY MTL	SUBS	SUBS ADMIN	OTHER EXP	OTHER EXP																	
1-3	Issue Notice of Award, Contract Execution & Notice to Proceed	\$1,365			\$200																					\$200	\$1,565		
4	Conduct pre-construction meeting, prepare minutes	\$1,656																									\$1,656		
5	Review Shop Drawings (assume 14)	\$5,773																									\$5,773		
6	Perform Construction Observation (60 hrs well drilling, 32 hours pump installation)	\$11,316	\$450																							\$450	\$11,766		
7	Respond to Questions during Construction	\$4,733																									\$4,733		
8	Attend Progress Meetings (3)	\$3,502	\$60																							\$60	\$3,562		
9	Review Pay Requests & Schedules (3)	\$3,407																									\$3,407		
10	Review Change Order Requests	\$2,887																									\$2,887		
11	Attend Start-up & Testing	\$1,643																									\$1,643		
12	Conduct punchlist inspection & prepare punchlist	\$2,366																									\$2,366		
13	Review & recommend final payment	\$1,136																									\$1,136		
14	Project Close-Out includig Record Drawings	\$5,107			\$200																					\$200	\$5,307		
	Project Management / QA-QC	\$4,733																									\$4,733		
TOTALS		\$49,624	\$510		\$400																						\$910	\$50,534	
TIME PERIOD OF PROJECT		2025	2026	2027	2028	TOTAL	EST % OF OT HRS INCLUDED ABOVE						MULTI-YEAR + OT																
PERCENTAGE OF WORK TO BE PERFORMED BY YEAR		100%				100%	AVERAGE OVERTIME RATE PREMIUM						MLTPLR & AMT																
WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT		1.0000				1.0000	OT ADJUSTMENT FACTOR						1.0000 (\$3)																
ESTIMATED CONTINGENCY																													
ROUNDING																													
TOTAL FEE		MATH CROSS CHECK IS OK											\$50,530																

CRAWFORD, MURPHY & TILLY, INC.

CONTRACT ATTACHMENT - EXHIBIT B4 - 2025 PROFESSIONAL SERVICES COST ESTIMATE

CLIENT CITY OF AURORA
 PROJECT NAME WELL NO. 128 SITE PIPING, AND ELECTRICAL CONSTRUCTION
 CMT JOB NO. TBD

Prep By AM
 DATE 02/21/25

Apprvd TLO
 DATE 02/21/25

TASK NO.	TASKS \ CLASSIFICATIONS	Principal	Sr Spec or Sr Struct Engr 2	Sr Planner 2, Sr Spec Prof 2	Sr Struct Engr 2	Sr Env Engineer	Sr Envr Specialist 2	Senior Specialty Prof	Senior Envir Scientist	Senior Civil Engr	Senior Technician 2	Senior Admin Specialist	Senior Technician	Struct Engr, Proj Spec Engr	Civil, Struct, Proj Engr, Project Planner	Proj Environ Scientist	Specialty Prof	Admin Specialist	Architect	Environmental Technician	Administrative Scientist	Administrative Assistant	MAN HOURS & LABOR SUMMARY		
																							\$260	\$230	\$209
CURRENT YEAR 2024 HOURLY RATES			\$260	\$230	\$209	\$222	\$186	\$152	\$154	\$120	\$112	\$149	\$99	\$94											
1-3	Issue Notice of Award, Contract Execution & Notice to Proceed														4									6	10
4	Conduct pre-construction meeting, prepare minutes		2												4	4									10
5	Review Shop Drawings (assume 8)		4												8	8									20
6	Perform Construction Observation (7 weeks - FT & PT)															160									160
7	Respond to Questions during Construction		4												16	16									36
8	Attend Progress Meetings (3)														6	6									12
9	Review Pay Requests & Schedules (3)		4												6	4									14
10	Review Change Order Requests		4												4	4									12
11	Attend Start-up & Testing														8	8									16
12	Conduct punchlist inspection & prepare punchlist		2												8	4									14
13	Review & recommend final payment		2												4	4									10
14	Project Close-Out including Record Drawings		4												12	8									24
	Project Management / QA-QC														32										32
	TOTAL MAN HOURS		26												112	226								6	370
	SUBTOTAL - BASE LABOR EFFORT		\$6,765												\$17,228	\$27,134								\$562	\$51,689
TASKS (CONTINUED)		TOTAL LABOR EFFORT	DIRECT EXPENSE & REIMBURSABLES										TOTAL EXPENSE	TOTAL FEE											
			TRAVEL MILEAGE	MEALS & LODGING	PRINTING	EQUIP-MENT	MISC	SURVEY MTL	SUBS	SUBS ADMIN	OTHER EXP	OTHER EXP													
1-3	Issue Notice of Award, Contract Execution & Notice to Proceed	\$1,177			\$200																			\$200	\$1,377
4	Conduct pre-construction meeting, prepare minutes	\$1,616																							\$1,616
5	Review Shop Drawings (assume 8)	\$3,232																							\$3,232
6	Perform Construction Observation (7 weeks - FT & PT)	\$19,210	\$600																					\$600	\$19,810
7	Respond to Questions during Construction	\$5,423																							\$5,423
8	Attend Progress Meetings (3)	\$1,643	\$40																					\$40	\$1,683
9	Review Pay Requests & Schedules (3)	\$2,444																							\$2,444
10	Review Change Order Requests	\$2,136																							\$2,136
11	Attend Start-up & Testing	\$2,191																							\$2,191
12	Conduct punchlist inspection & prepare punchlist	\$2,231																							\$2,231
13	Review & recommend final payment	\$1,616																							\$1,616
14	Project Close-Out including Record Drawings	\$3,847			\$200																			\$200	\$4,047
	Project Management / QA-QC	\$4,922																							\$4,922
TOTALS		\$51,688	\$640		\$400																			\$1,040	\$52,728
TIME PERIOD OF PROJECT		2025	2026	2027	2028	TOTAL	EST % OF OT HRS INCLUDED ABOVE					MULTI-YEAR + OT													
PERCENTAGE OF WORK TO BE PERFORMED BY YEAR		100%				100%	AVERAGE OVERTIME RATE PREMIUM					MLTPLR & AMT													
WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT		1.0000				1.0000	OT ADJUSTMENT FACTOR					1.0000 \$1													
ESTIMATED CONTINGENCY																									
ROUNDING																									
TOTAL FEE			MATH CROSS CHECK IS OK																						\$52,730

**EXHIBIT C
CITY OF AURORA
RESIDENT INSPECTION AND ENGINEERING SERVICES**

CLASS NO. Rev. 2025	CLASSIFICATION Rev 2025	2023 BILLING RATE Dir Labor x 2.99 Multiplier)	2024 BILLING RATE (2023 Rate x CCI Increase of 9.11%)	2025 BILLING RATE (2024 Rate x CCI Increase of 2.24%)
11	Senior Principal	233.22	254.47	260.17
10	Principal	233.26	254.51	260.21
340 240 540 440 140	Senior Specialty Engineer 2 Senior Structural Engineer 2 Senior Planner 2 Senior Specialty Professional 2 Senior Civil Engineer 2	206.07	224.84	229.88
740 60 640 230	Senior Environmental Scientist 2 Project Manager Senior Architect 2 Senior Structural Engineer	186.97	204.00	208.57
130 730 430	Senior Civil Engineer Senior Environmental Scientist Senior Specialty Professional	199.35	217.51	222.38
1330	Senior Administrative Assistant Senior Technician 2	166.49	181.66	185.73
1130	Senior Technician	136.29	148.71	152.04
720 120 320 220 530	Project Environmental Scientist Project Civil Engineer Project Specialty Engineer Project Structural Engineer Senior Planner	137.89	150.45	153.82
520 420 110 310 520	Project Planner Project Specialty Professional Civil Engineer Specialty Engineer Project Planner"	107.62	117.43	120.06
1320 410 510 1120	Administrative Specialist Specialty Professional Planner Project Technician	100.23	109.37	111.82
610	Architect	133.92	146.12	149.40
710 1110	Environmental Scientist Technician	88.59	96.66	98.82
900 1310	Admin/Admin Coordinator	83.98	91.63	93.68