

AGREEMENT
For
PROFESSIONAL ENGINEERING SERVICES
Between
THE CITY OF COLUMBIA, MISSOURI
And
OLSSON INC.

THIS AGREEMENT by and between the City of Columbia, Missouri (hereinafter called "City"), and **Olsson Inc.** (hereinafter called "Engineer"), is entered into on the date of the last signatory noted below (the "Effective Date").

WITNESSETH, that whereas City intends to make improvements as described below, hereinafter called the Project, consisting of the following:

Evaluate data provided by the TREKK Design Group, LLC. Calibrate the City of Columbia's hydraulic wet-weather model and generate a final report of findings. Identify future areas of focus for data collection for system monitoring that will analyze system capacity, identify areas for future upgrades, and predict and reduce SSO's.

(Description of Project)

NOW, THEREFORE, in consideration of the mutual covenants set out herein the parties agree as follows:

Engineer shall serve as City's professional engineering, surveying or architecture contractor in those assignments to which this Agreement applies, and shall give consultation and advice to City during the performance of the services. All services shall be performed under the direction of a professional engineer, professional land surveyor or architect registered in the State of Missouri and qualified in the particular field.

SECTION 1 - AUTHORIZATION OF SERVICES

1.1 Engineer shall not undertake to begin any of the services contemplated by this agreement until directed in writing to do so by City. City may elect to authorize the Project as a whole or in parts.

1.2 Authorized work may include services described hereafter as Basic Services or as Additional Services of Engineer.

SECTION 2 - BASIC SERVICES OF ENGINEER

2.1 General

2.1.1 Perform professional engineering services as set forth in Exhibit A - "Scope of Basic Services," dated **January 31, 2023** (hereinafter referred to as "Scope of Basic Services").

2.1.2 Engineer will designate the following listed individuals as its project team with responsibilities as assigned. Engineer shall dedicate whatever additional resources are necessary to accomplish the Project within the specified time frame but will not remove these individuals from the assigned tasks for any reason within the control of Engineer without the written approval of City.

<u>Name and Title</u>	<u>Assignment</u>
Kevin Waldron P.E.	Project Manager
Michelle King P.E.	Assistant Project Manager

All of the services required hereunder will be performed by Engineer or under its supervision and all personnel engaged in the work shall be fully qualified and authorized or permitted under state and local law to perform such services.

None of the work or services covered by this Agreement shall be subcontracted without the prior written approval of City and any work or services so subcontracted shall be subject to the provisions of this Agreement.

2.2 Engineer shall furnish such periodic reports as City may request pertaining to the work or services undertaken pursuant to this Agreement, the costs and obligations incurred or to be incurred, and any other matters covered by this Agreement.

2.3 Engineer shall maintain accounts and records, including personnel, property and financial records, adequate to identify and account for all costs pertaining to the Agreement and any other records as deemed necessary by City to assure proper accounting for all project funds. These records must be available to City or its authorized representatives, for audit purposes, and must be retained for three (3) years after expiration or completion of this Agreement.

SECTION 3 - ADDITIONAL SERVICES OF ENGINEER

3.1 General

If authorized in writing by City, and agreed to in writing by Engineer, Engineer shall furnish or obtain from others Additional Services of the following types which are not considered normal or customary Basic Services. The scope of Additional Services may include:

3.1.1 Financial Consultation

Consult with City's fiscal agents and bond attorneys and provide such engineering data as required for any bond prospectus or other financing requirements.

- 3.1.2 **Property Procurement Assistance**
Provide consultation and assistance on property procurement as related to professional engineering services being performed.
- 3.1.3 **Obtaining Services of Others**
Provide through subcontract the services or data set forth in Scope of Basic Services. Engineer is prohibited from holding a retainage on any payment to a subcontractor that provides any services or work on this Project.
- 3.1.4 **Preliminary or final engineering design of capital facilities except as specifically identified herein.**
- 3.1.5 **Preparation of reports, data, application, etc., in connection with modifications to FEMA floodplain definition and/or mapping.**
- 3.1.6 **Extra Services**
Services not specifically defined heretofore that may be authorized in writing by City.

SECTION 4 - RESPONSIBILITIES OF City

- 4.1 Provide full information as to City's requirements for the Project.
- 4.2 Assist Engineer by placing at Engineer's disposal available information pertinent to the assignment including previous reports and other data relative thereto, including the items outlined in Scope of Basic Services.
- 4.3 Guarantee access to and make all provisions for Engineer to enter upon public and private property as required for Engineer to perform Engineer's services under this Agreement.
- 4.4 Examine all studies, reports, sketches, estimates, Bid Documents, Drawings, proposals and other documents presented by Engineer and render in writing decisions pertaining thereto.
- 4.5 Provide such professional legal, accounting, financial and insurance counseling services as may be required for the Project.
- 4.6 Designate **Lee White**, as City's representative with respect to the services to be performed under this Agreement. Such person shall have complete authority to transmit instructions, receive information, interpret and define City's policies and decisions with respect to materials, equipment, elements and systems to be used in the Project, and other matters pertinent to the services covered by this Agreement. The City's designated representative may be changed during the duration of this Agreement by written notice from the City Manager, or City Manager's designee, to Engineer.

4.7 Give prompt written notice to Engineer whenever City observes or otherwise becomes aware of any defect in the Project.

4.8 Furnish approvals and permits from all governmental authorities having jurisdiction over the Project and such approvals and consents from others as may be necessary for completion of the Project.

4.9 Furnish Engineer data such as probings and subsurface explorations, with appropriate professional interpretations; property, boundary, easement, right-of-way, topographic and utility surveys; zoning and deed restriction; and other special data or consultations, all of which Engineer may rely upon in performing his services under this Agreement.

SECTION 5 - PERIOD OF SERVICE

5.1 This Agreement will become effective upon the first written notice by City authorizing services hereunder.

5.2 This Agreement shall be applicable to all work assignments authorized by City subsequent to the date of its execution and shall be effective as to all assignments authorized.

5.3 Services shall be started within 10 calendar days of Notice to Proceed and completed within **210** calendar days from the issuance of the Notice to Proceed. City shall have the right to establish performance times for individual phases or elements of the Project by delivering a written schedule setting out the performance times to the Engineer.

SECTION 6 - PAYMENTS TO ENGINEER

6.1 Amount of Payment

6.1.1 For services performed, City shall pay Engineer the sum of amounts determined as follows:

6.1.1.1 For time spent by personnel, payment at the hourly rates indicated in the "Schedule of Hourly Labor Billing Rates" (attached). Such rates include overhead and profit. The schedule may be revised annually if the term of this Agreement exceeds one (1) year. To be effective, any revision in the Schedule of Hourly Labor Billing Rates shall be provided by Engineer to City as least thirty (30) days prior to work performed under this Agreement to which such rates apply.

6.1.1.2 For outside expenses incurred by Engineer, such as authorized travel and subsistence, commercial services, and incidental expenses, the cost to Engineer.

6.1.1.3 For reproduction, printing, long-distance telephone calls, company vehicle usage, testing apparatus, computer services and computer-assisted drafting (CAD), amounts will be charged according to the Engineer's standard rates in effect at the time service is provided.

6.1.1.4 For professional services rendered by others as subcontractor(s) to Engineer such as surveying, real property descriptions, soil borings, subsurface investigations, laboratory testing, field quality control tests, progress photos, or other activities required or requested by City, will be billed at the cost to Engineer.

6.1.1.5 For time spent by outside individual professional consultants employed by Engineer in providing services to City, the cost to Engineer. Expenses incurred by such outside consultants in service to City shall be reimbursable in accordance with 6.1.1.2 above.

6.1.1.6 Total payment for Scope of Basic Services and all other expenses and costs to City under this Agreement and described herein **shall not exceed \$116,373.60.**

6.2 Payments

6.2.1 Engineer shall submit an invoice for services rendered to City not more than once every month. Upon receipt of the invoice and progress report, City will, as soon as practical, pay Engineer for the services rendered, provided City does not contest the invoice.

SECTION 7 - GENERAL CONSIDERATIONS

7.1 Insurance

7.1.1 **ENGINEER'S INSURANCE:** Engineer agrees to maintain, on a primary basis and at its sole expense, at all times during the life of this contract the following insurance coverages, limits, including endorsements described herein. The requirements contained herein, as well as City's review or acceptance of insurance maintained by Engineer is not intended to and shall not in any manner limit or qualify the liabilities or obligations assumed by Engineer under this contract.

Commercial General Liability Engineer agrees to maintain Commercial General Liability at a limit of liability not less than **\$2,000,000** per occurrence and **\$3,000,000** aggregate covering both bodily injury and property damage, including accidental death. Coverage shall not contain any endorsement(s) excluding nor limiting Contractual Liability or Cross Liability. If the contract involves any underground/digging operations, the general liability certificate shall include X, C and U (Explosion, Collapse and Underground) coverage.

Professional Liability Engineer agrees to maintain Professional (Errors & Omissions) Liability at a limit of liability not less than **\$2,000,000** per occurrence and **\$3,000,000**

aggregate. For policies written on a "Claims-Made" basis, Engineer agrees to maintain a Retroactive Date prior to or equal to the Effective Date of this contract. In the event the policy is canceled, non-renewed, switched to an Occurrence Form, retroactive date advanced; or any other event triggering the right to purchase a Supplemental Extended Reporting Period (SERP) during the life of this contract, Engineer agrees to purchase a SERP with a minimum reporting period not less than two (2) years. The requirement to purchase a SERP shall not relieve Engineer of the obligation to provide replacement coverage.

Business Automobile Liability Engineer agrees to maintain Business Automobile Liability at a limit of liability not less than **\$2,000,000** per occurrence and **\$3,000,000** aggregate, covering both bodily injury, including accidental death, and property damage, to protect themselves from any and all claims arising from the use of the Engineer's own automobiles, and trucks; hired automobiles, and trucks; and automobiles both on and off the site of work. Coverage shall include liability for Owned, Non-Owned & Hired automobiles. In the event Engineer does not own automobiles, Engineer agrees to maintain coverage for Hired & Non-Owned Auto Liability, which may be satisfied by way of endorsement to the Commercial General Liability policy or separate Business Auto Liability policy.

Workers' Compensation Insurance & Employers' Liability Engineer agrees to take out and maintain during the life of this contract, Employers' Liability and Workers' Compensation Insurance for all of their employees employed at the site of the work, and in case any work is sublet, the Engineer shall require the subcontractor similarly to provide Workers' Compensation Insurance for all the latter's employees unless such employees are covered by the protection afforded by the Engineer. Workers' Compensation coverages shall meet Missouri statutory limits. Employers' Liability minimum limits shall be \$500,000 each employee, \$500,000 each accident and \$500,000 policy limit. In case any class of employees engaged in hazardous work under this contract is not protected under the Workers' Compensation Statute, the Engineer shall provide and shall cause each subcontractor to provide Employers' Liability Insurance for the protection of their employees not otherwise protected.

Excess/Umbrella Liability The above liability limits may be satisfied by any combination of primary and excess/umbrella liability policies.

Additional Insured Engineer agrees to endorse City as an Additional Insured with a CG 2026 Additional Insured – Designated Person or Organization endorsement, or similar endorsement, to the Commercial General Liability. The Additional Insured shall read "City of Columbia."

Waiver of Subrogation Engineer agrees by entering into this contract to a Waiver of Subrogation for each required policy herein except professional liability. When required by the insurer, or should a policy condition not permit Engineer to enter into a pre-loss agreement to waive subrogation without an endorsement, then Engineer agrees to notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy, which includes a condition specifically prohibiting such an

endorsement, or voids coverage should Engineer enter into such an agreement on a pre-loss basis.

Certificate(s) of Insurance Engineer agrees to provide City with Certificate(s) of Insurance evidencing that all coverages, limits and endorsements required herein are maintained and in full force and effect. Said Certificate(s) of Insurance shall include a minimum thirty (30) day endeavor to notify due to cancellation or non-renewal of coverage. The Certificate(s) of Insurance shall name the City as additional insured in an amount as required in this contract and contain a description of the project or work to be performed.

Right to Revise or Reject City reserves the right, but not the obligation, to review and revise any insurance requirement, not limited to limits, coverages and endorsements based on insurance market conditions affecting the availability or affordability of coverage; or changes in the scope of work / specifications affecting the applicability of coverage. Additionally, City reserves the right, but not the obligation, to review and reject any insurance policies failing to meet the criteria stated herein or any insurer providing coverage due of its poor financial condition or failure to operating legally.

7.1.2 **HOLD HARMLESS AGREEMENT:** To the fullest extent not prohibited by law, Engineer shall indemnify and hold harmless the City of Columbia, its directors, officers, agents and employees from and against all claims, damages, losses and expenses (including but not limited to attorney's fees) arising by reason of any negligent act or failure to act, or willful misconduct, of Engineer, of any subcontractor (meaning anyone, including but not limited to consultants having a contract with Engineer or a subcontractor for part of the services), of anyone directly or indirectly employed by Engineer or by any subcontractor, or of anyone for whose acts Engineer or its subcontractor may be liable, in connection with providing these services except as provided in this Agreement. This provision does not, however, require Engineer to indemnify, hold harmless or defend the City of Columbia from its own negligence, except as set out herein.

7.2 Professional Responsibility

7.2.1 Missouri Licensure & Certificate of Authority

Engineer certifies that it is currently in compliance, and agrees to maintain compliance for the duration of this Agreement, with all licensure requirements of the Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Professional Landscape Architects (hereinafter "APEPLSPLA") to practice in Missouri as a professional engineer as provided under chapter 327 of the Missouri Revised Statutes. To the extent required by Section 327.401 of the Missouri Revised Statutes, Engineer understands and agrees that the person personally in charge and supervising the professional engineering services of Engineer under this Agreement shall be licensed and authorized to practice engineering in Missouri, and that Engineer will keep and maintain a valid certificate of authority from APEPLSPLA.

7.2.2 Engineer will exercise reasonable skill, care, and diligence in the performance of its services and will carry out its responsibilities in accordance with customarily accepted good professional engineering practices. If Engineer fails to meet the foregoing standard, Engineer will perform at its own cost, and without reimbursement from City, the professional engineering services necessary to correct errors and omissions which are caused by Engineer's failure to comply with above standard, and which are reported to Engineer within one year from the completion of Engineer's services for the Project.

7.2.3 In addition, Engineer will be responsible to City for damages caused by its negligent conduct during its activities at the Project site or in the field.

7.2.4 Professional Oversight Indemnification

Engineer understands and agrees that City has contracted with Engineer based upon Engineer's representations that Engineer is a skilled professional and fully able to provide the services set out in this Agreement. In addition to any other indemnification set out in this Agreement, Engineer agrees to defend, indemnify and hold and save harmless City from any and all claims, settlements and judgments whatsoever arising out of City's alleged negligence in hiring or failing to properly supervise Engineer. Engineer agrees to provide City with Certificate(s) of Insurance evidencing that all coverages, limits and endorsements are maintained and in full force and effect.

7.3 Estimates and Projections

Estimates and projections prepared by Engineer relating to construction costs and schedules, operation and maintenance costs, equipment characteristics and performance, and operating results are based on Engineer's experience, qualifications and judgment as a design professional. Since Engineer has no control over weather, cost and availability of labor, material and equipment, labor productivity, construction contractor's procedures and methods, unavoidable delays, construction contractor's methods of determining prices, economic conditions, competitive bidding or market conditions and other factors affecting such estimates or projections, Engineer does not guarantee that actual rates, costs, performance, schedules, etc., will not vary from estimates and projections prepared by Engineer.

7.4 On-Site Services

Project site visits by Engineer during construction shall not make Engineer responsible for construction means, methods, techniques, sequences or procedures; for construction safety precautions or programs; or for any construction contractor(s)' failure to perform its work in accordance with the plans and specifications.

7.5 Changes

City shall have the right to make changes within the general scope of Engineer's services, with an appropriate change in compensation and/or schedule, upon execution of a mutually acceptable amendment or change order signed by an authorized representative of City and the President or any Vice President of Engineer.

7.6 Suspension of Services

Should City fail to fulfill its responsibilities as provided under Section 4 to the extent that Engineer is unduly hindered in Engineer's services or if City fails to make any payment to Engineer on account of its services and expenses within ninety (90) days after receipt of Engineer's bill therefor, Engineer may, after giving seven (7) days' written notice to City, suspend services under this Agreement until City has satisfied his obligations under this Agreement.

7.7 Termination

Services may be terminated by the City at any time and for any reason, and by Engineer in the event of substantial failure to perform in accordance with the terms hereof by City through no fault of Engineer, by ten (10) days' notice. If so terminated, City shall pay Engineer all uncontested amounts due Engineer for all services properly rendered and expenses incurred to the date of receipt of notice of termination.

7.7.1 In the event of City's termination of this Agreement pursuant to the above section, all finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs and reports prepared under this Agreement, shall at the option of City become its property.

Further, Engineer shall not be relieved of any liability to City for any damages sustained by City by virtue of any breach of this Agreement by Engineer and City may withhold any payments due Engineer for the purpose of set-off until such time as the exact amount of damages to City, if any, is determined.

7.8 Publications

Recognizing the importance of professional development on the part of Engineer's employees and the importance of Engineer's public relations, Engineer may prepare publications, such as technical papers, articles for periodicals, and press releases, pertaining to Engineer's services for the Project. Such publications will be provided to City in draft form for City's advance review. City will review such drafts promptly and will provide comments to Engineer. City may require deletion of proprietary data or confidential information from such publications but otherwise will not unreasonably withhold its approval. The cost of Engineer's activities pertaining to any such publication shall be paid entirely by Engineer.

7.9 Nondiscrimination

During the performance of this Agreement, Engineer agrees to the following:

7.9.1 Engineer shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, national origin, ancestry, marital status, disability, sexual orientation, or gender identity. Engineer shall take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, color, religion, sex, age, national origin, ancestry, marital status, disability, sexual orientation, gender identity or expression, or

any other protected category designated by local, state, or federal law. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training including apprenticeship. Engineer agrees to post notices in conspicuous places, available to employees and applicants for employment.

7.9.2 Engineer shall, in all solicitation or advertisements for employees placed by or on behalf of Engineer, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age, national origin, ancestry, marital status, disability, sexual orientation, gender identity or expression, or any other protected category designated by local, state, or federal law.

7.9.3 Engineer shall comply with all provisions of local, state and federal laws governing the regulation of equal employment opportunity including Title VI of the Civil Rights Act of 1964.

7.10 Successor and Assigns

City and Engineer each binds themselves and their successors, executors, administrators and assigns to the other party of this Agreement and to the successors, executors, administrators and assigns of such other party, in respect to all covenants of this Agreement; except as above, neither City nor Engineer shall assign, sublet or transfer his interest in the Agreement without the written consent of the other.

7.11 Rights and Benefits

Engineer's services will be performed solely for the benefit of the City and not for the benefit of any other persons or entities.

7.12 Compliance with Local Laws

Engineer shall comply with all applicable laws, ordinances and codes of the state and city.

7.13 Law; Submission to Jurisdiction Governing

This Agreement shall be governed by, interpreted and enforced in accordance with the laws of the State of Missouri and/or the laws of the United States, as applicable. The venue for all litigation arising out of, or relating to this Agreement, shall be Boone County, Missouri or the United States Western District of Missouri. The parties hereto irrevocably agree to submit to the exclusive jurisdiction of such courts in the State of Missouri and waive any defense of forum non conveniens.

7.14 Employment of Unauthorized Aliens Prohibited

7.14.1 Engineer agrees to comply with Missouri State Statute section 285.530 in that they shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien to perform work within the state of Missouri.

7.14.2 As a condition for the award of this Agreement, Engineer shall, by sworn affidavit and provision of documentation, affirm its enrollment and participation in a federal work authorization program with respect to the employees working in connection with the contracted services. Engineer shall also sign an affidavit affirming that it does not knowingly employ any person who is an unauthorized alien in connection with the contracted services.

7.14.3 Engineer shall require each subcontractor to affirmatively state in its contract with Engineer that the subcontractor shall not knowingly employ, hire for employment or continue to employ an unauthorized alien to perform work within the state of Missouri. Engineer shall also require each subcontractor to provide Engineer with a sworn affidavit under the penalty of perjury attesting to the fact that the subcontractor's employees are lawfully present in the United States.

7.15 Missouri Anti-Discrimination Against Israel Act: To the extent required by Missouri Revised Statute Section 34.600, Engineer certifies it is not currently engaged in and shall not, for the duration of this Agreement, engage in a boycott of goods or services from the State of Israel; companies doing business in or with Israel or authorized by, licensed by, or organized under the laws of the State of Israel; or persons or entities doing business in the State of Israel. If any provision of this paragraph, or the application of such provision to any person or circumstance, shall be held invalid, the remainder of this Agreement, or the application of such provision to persons or circumstances other than those as to which it is held invalid, shall not be affected thereby. This paragraph shall not apply to contracts with a total potential value of less than one hundred thousand dollars (\$100,000.00) or to contractors with fewer than ten (10) employees.

7.16 No Waiver of Immunities

In no event shall the language of this Agreement constitute or be construed as a waiver or limitation for either party's rights or defenses with regard to each party's applicable sovereign, governmental, or official immunities and protections as provided by federal and state constitutions or laws.

7.17 Counterparts and Electronic Signatures

This Agreement may be signed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same document. Faxed signatures, or scanned and electronically transmitted signatures, on this Agreement or any notice delivered pursuant to this Agreement, shall be deemed to have the same legal effect as original signatures on this Agreement.

7.18 Agreement Documents

This Agreement includes the following exhibits, which are incorporated herein by reference:

<u>Exhibit</u>	<u>Description</u>
A	Scope of Work
B	Hourly Fee Schedule

C

Work Authorization Affidavit

In the event of a conflict between the terms and conditions of this Agreement and any exhibit hereto, the terms contained in this Agreement shall prevail and the terms contained in any exhibit shall subsequently prevail in the order attached hereto.

7.19 Entire Agreement

This Agreement represents the entire and integrated Agreement between Engineer and City relative to the Scope of Basic Services herein. All previous or contemporaneous agreements, representations, promises and conditions relating to Engineer's services described herein are superseded.

[SIGNATURES ON FOLLOWING PAGE]

CITY OF COLUMBIA, MISSOURI

By: _____ *DKS*
De'Carlton Seewood, City Manager

Date: _____

ATTESTED BY:

Sheela Amin, City Clerk

APPROVED AS TO FORM:

Nancy Thompson, City Counselor

CERTIFICATION: I hereby certify that the above expenditure is within the purpose of the appropriation to which it is charged, Account No. **55506315-504990** , and that there is an unencumbered balance to the credit of such appropriation sufficient to pay therefor.

By: _____
Matthew Lue, Director of Finance

OLSSON INC., KEVIN WALDRON P.E.

By: _____ *[Signature]*

Date: 2-7-23

ATTEST:

By: _____ *[Signature]*

Name: Heidi Stock

SCOPE OF SERVICES

This exhibit is hereby attached to and made a part of the Letter Agreement for Professional Services dated January 31, 2023 between City of Columbia, Missouri ("Client") and Olsson, Inc. ("Olsson") providing for professional services. Olsson's Scope of Services for the Agreement is indicated below.

PROJECT DESCRIPTION AND LOCATION

Project will be located at: Columbia, Missouri

Project Description: Sanitary Collection System Model Review and Refinement

SCOPE OF SERVICES

Olsson shall provide the following services (Scope of Services) to Client for the Project:

Phase 100 – Project and Quality Management

Olsson shall coordinate with Client, Client's Sub-Consultants, and Olsson's Project team to provide Project deliverables including the following services:

- **Project Management**
 - Maintain Project schedule and budget
 - Provide monthly progress reports to Client with Project invoices identifying Project status
- **Communication and Coordination**
 - Coordinate with Client, Client's Sub-Consultants, Project team, agencies, and/or other consultants, as required, including in-person and virtual meetings, conference calls, et cetera
 - Coordinate date and time for all meetings, draft agendas, record and distribute meeting minutes with action items
- **Kick-Off Meeting**
 - Upon receipt of Project notice to proceed, Olsson shall schedule and attend an in-person Project kick-off meeting with Project team
- **Quality Management**
 - Quality assurance and quality control (QA/QC) reviews will identify and address technical issues, as required
 - Formal QA/QC reviews will be conducted at key intervals of design and prior to issuance of final Project report.

Phase 400 – System Flow and Rainfall Monitoring Provided by TREKK

As stated in Agreement between TREKK Design Group, LLC ("TREKK") and Client, TREKK shall provide temporary flow and rainfall monitoring data collection at system locations as described in report titled, "Flow and Rainfall Monitoring Plan Memorandum", dated January 26, 2023, by Olsson. See Assumptions for TREKK's Scope of Services.

Phase 500 – Hydraulic Model Wet-Weather Calibration

Olsson shall evaluate collected flow and rainfall data provided by TREKK to quantify rainfall-derived inflow and infiltration (RDII). Olsson's analysis will reference the US EPA sanitary sewer overflow analysis and planning toolbox program titled, "SSOAP Toolbox", version 1.0.3. RDII will be determined use the 'RTK method' as described in the publication, "Review of Sewer Design Criteria and RDII Prediction Methods," dated January 2008, EPA publication 600/R-08/010.

Olsson shall apply RDII data to City's existing sanitary sewer model to calibrate for wet weather conditions. Olsson shall develop Synthetic unit hydrographs (SUH's) and complete wet weather modeling for 1-, 2-, 5-, 10- and 25-year return interval rain events.

Phase 600 – Report of Findings

Olsson shall prepare tabulation of sub-basin RDII results and related figures summarizing results of Phase 500. Olsson shall develop and submit a draft report of findings for Client review and conduct an on-site workshop to discuss findings and Client review comments. Client's comments and workshop discussion will be incorporated into final report submittal.

SCHEDULE

Phases 100, 400, 500, and 600 will be completed within 210 calendar days from authorization to proceed, assuming Project startup in mid-March 2023 and ending in mid-October 2023.

ASSUMPTIONS

TREKK shall provide the following service to Client for Project, as outlined in a separate Agreement between TREKK and Client:

Flow and Rainfall Monitoring (90-day Base Monitoring Period)

TREKK's base monitoring period is 90 calendar days, anticipated to begin with installation in late March 2023 for a monitoring period to begin April 1, 2023.

Following final Project maintenance visit prior to end of base monitoring period, Olsson shall provide assessment of data adequacy for Phase 500 analysis and/or recommendation for additional flow monitoring. Causes of inadequate data include equipment down-time/data gaps and insufficient rainfall events or intensity during the monitoring period. Upon written authorization from Client, TREKK will provide additional flow/rain monitoring as an additional service.

Meter Installation

TREKK shall install six (6) tipping bucket rain gauges and 20 flow meters, including 17 area velocity (AV) flow meters and three (3) laser or equivalent flow meters in the selected sewers and approximate rain gauge locations. Up to 24-inch sewers may be fitted with scissor bands.

TREKK shall document site conditions and data observations during each site installation by providing Olsson and Client with installed measurements and pipe photographs. Measurements will include confirmed pipe size, measured flow depth, velocity collected by portable velocity meter, depth of debris, and measured distance from invert to rim of structure.

Flow Meter Data Collection

TREKK shall complete bi-monthly site interrogations of each site to include maintenance of equipment, confirmation of velocity and depth measurements, and documentation of flow conditions. Meter sites where consistent cell coverage is available will be reviewed each week and prior to a forecasted rain event. Locations where cell coverage and/or meter functionality are unreliable will be identified and discussed with Olsson and Client and interim site visits shall be performed.

TREKK shall provide Olsson and Client access to a web-based application to view data from sites during data collection period meter data via an assigned account throughout duration of data collection period and for six (6) months following removal of equipment.

If cell service is available at meter locations data will be uploaded and available within 24 hours.

TREKK shall remove equipment from each site within a reasonable amount of time following notification by Olsson that sufficient data has been collected.

ADDITIONAL SERVICES

Should Client request work in addition to the Scope of Services, Olsson shall invoice Client for such additional services (Optional Additional Services) at the Billing Rates in Exhibit B for those, plus reimbursable expenses, if any. Olsson shall not commence work on Optional Additional Services without Client's prior written approval.

Olsson agrees to provide all of its services in a timely, competent and professional manner, in accordance with applicable standards of care, for projects of similar geographic location, quality and scope.

COMPENSATION

Client shall pay to Olsson for the performance of the Scope of Services, the actual time of personnel performing such services in accordance with the Billing Rates schedule and all actual reimbursable expenses in accordance with the Reimbursable Expense Schedule attached to Exhibit B of this Agreement. Olsson shall submit invoices on a monthly basis, and payment is due within 30 calendar days of invoice date.

Olsson's Scope of Services will be provided on a time-and-expense basis not to exceed One Hundred Sixteen Thousand Three Hundred Seventy-Three Dollars and Sixty Cents (\$116,373.60).

FEE ESTIMATE

Date: 31-Jan-23

Job: Sanitary Collection System Model Review and
Refinement - Columbia, MO

		TOTALS			
Phase/ Task	Description of Work	Total Man-Days	Total Labor Fee	Total Expense Fee	Total Fee
	PART 2	-	\$ -	\$ -	\$ -
110	Project and Quality Management	15.50	\$ 22,604.00	\$ 168.99	\$ 22,772.99
	Project Management	7.50	\$ 11,004.00	\$ 168.99	\$ 11,172.99
	Communication and Coordination	8.00	\$ 11,600.00	\$ -	\$ 11,600.00
400	System Flow Monitoring and Field Data Collection	11.00	\$ 15,262.51	\$ 168.99	\$ 15,431.50
	Sub-Consultant Collection System Flow Monitoring (TREKK)	2.50	\$ 3,884.00	\$ 168.99	\$ 4,052.99
	Data Checks/Data Quality Management	8.50	\$ 11,378.51	\$ -	\$ 11,378.51
500	Hydraulic Model Wet-Weather Calibration	32.50	\$ 41,950.34	\$ -	\$ 41,950.34
	Data Preparation	4.00	\$ 4,429.26	\$ -	\$ 4,429.26
	SSOAP Analysis	14.50	\$ 16,956.51	\$ -	\$ 16,956.51
	Enter Hydrographs into Model	3.50	\$ 5,125.66	\$ -	\$ 5,125.66
	Calibrate Wet Weather Scenarios in Model	10.50	\$ 15,438.91	\$ -	\$ 15,438.91
600	Report of Findings	29.25	\$ 36,049.77	\$ 168.99	\$ 36,218.76
	Supporting Material Prep (figures, tables, attachments, etc.)	8.00	\$ 8,616.00	\$ -	\$ 8,616.00
	Draft Report	11.50	\$ 14,452.51	\$ -	\$ 14,452.51
	Workshop (In Person)	4.75	\$ 6,306.00	\$ 168.99	\$ 6,474.99
	Final Report	5.00	\$ 6,675.26	\$ -	\$ 6,675.26
	GRAND TOTAL	88.25	\$ 115,866.63	\$ 506.97	\$ 116,373.60

2023 OLSSON BILLING RATES

EXHIBIT B

Classification ¹	Billing Rate ²	Classification ¹	Billing Rate ²
Practice/Regional Leader	\$376	Senior Technician	\$114
Office Leader	\$289	Associate Technician	\$96
Senior Project Manager	\$289	Assistant Technician	\$84
Client Relations Manager	\$289	Manager CA	\$161
Industry Expert	\$289	Technical Manager CA	\$161
Technical Leader	\$211	Assistant Manager CA	\$121
Team Leader	\$249	Senior Technician CA	\$109
Project Management Specialist	\$249	Associate Technician CA	\$91
Senior Engineer	\$212	Assistant Technician CA	\$79
Senior Project Engineer	\$212	Senior Surveyor	\$151
Project Engineer	\$175	Survey Technical Manager	\$151
Associate Engineer	\$149	Surveyor	\$117
Assistant Engineer	\$126	Associate Surveyor	\$96
Senior Scientist	\$191	Assistant Surveyor	\$79
Senior Project Scientist	\$191	Senior Administrative Coordinator	\$107
Project Scientist	\$147	Administrative Coordinator	\$95
Associate Scientist	\$123	Administrative Assistant	\$72
Assistant Scientist	\$100	Secretarial/Office Assistant	\$65
Senior Landscape Architect	\$191	Senior Systems Specialist	\$179
Senior Project Landscape Architect	\$191	Student Intern - Level 3	\$98
Project Landscape Architect	\$152	Student Intern - Level 2	\$84
Associate Landscape Architect	\$128	Student Intern - Level 1	\$70
Assistant Landscape Architect	\$105	GIS Specialist	\$152
Senior Construction Manager	\$200	Senior Modeler	\$280.50
Senior Project Construction Manager	\$200	Associate Modeler	\$190.30
Project Construction Manager	\$159	Assistant Modeler	\$169.40
Associate Construction Manager	\$133		
Assistant Construction Manager	\$110		
Design Manager	\$175		
Design Technical Manager	\$175		
Design Associate	\$140		

1. The above rate schedule represents Olsson rates for the 2023 calendar year. Rates are subject to increase for the 2024 calendar year.

2. Expenses such as mileage, printing, survey equipment, etc., can be provided upon the City of Olathe's request.

REIMBURSABLE EXPENSE SCHEDULE

The expenses incurred by Olsson or Olsson's independent professional associates or consultants directly or indirectly in connection with the Project shall be included in periodic billing as follows:

<u>Classification</u>	<u>Cost</u>
Automobiles (Personal Vehicle)	\$0.655/mile*
Suburban's and Pick-Ups	\$0.75/mile*
Automobiles (Olsson Vehicle)	\$95.00/day
Other Travel or Lodging Cost	Actual Cost
Meals	Actual Cost
Printing and Duplication including Mylars and Linens	
In-House	Actual Cost
Outside	Actual Cost+10%
Postage & Shipping Charges for Project Related Materials including Express Mail and Special Delivery	Actual Cost
Film and Photo Developing	Actual Cost+10%
Telephone and Fax Transmissions	Actual Cost+10%
Miscellaneous Materials & Supplies Applicable to this Project	Actual Cost+10%
Copies of Deeds, Easements or other Project Related Documents	Actual Cost+10%
Fees for Applications or Permits	Actual Cost+10%
Sub-Consultants	Actual Cost+10%
Taxes Levied on Services and Reimbursable Expenses	Actual Cost

*Rates consistent with the IRS Mileage Rate Reimbursement Guidelines (Subject to Change).

NOTICE TO VENDORS

Section 285.525 – 285.550 RSMo Effective January 1, 2009

Effective January 1, 2009 and pursuant to RSMo 285.530 (1), No business entity or employer shall knowingly employ, hire for employment, or continue to employ an unauthorized alien to perform work within the state of Missouri.

As a condition for the award of any contract or grant in excess of five thousand dollars by the state or by any political subdivision of the state to a business entity, or for any business entity receiving a state administered or subsidized tax credit, tax abatement, or loan from the state, the business entity shall, by sworn affidavit and provision of documentation, affirm its enrollment and participation in a federal work authorization program with respect to the employees working in connection with the contracted services. Every such business entity shall sign an affidavit affirming that it does not knowingly employ any person who is an unauthorized alien in connection with the contracted services. [RSMO 285.530 (2)]

An employer may enroll and participate in a federal work authorization program and shall verify the employment eligibility of every employee in the employer's hire whose employment commences after the employer enrolls in a federal work authorization program. The employer shall retain a copy of the dated verification report received from the federal government. Any business entity that participates in such program shall have an affirmative defense that such business entity has not violated subsection 1 of this section. [RSMO 285.530 (4)]

For vendors that are not already enrolled and participating in a federal work authorization program, E-Verify is an example of this type of program. Information regarding E-Verify is available at:

http://www.dhs.gov/xprevprot/programs/gc_1185221678150.shtm.


CITY OF COLUMBIA, MISSOURI
WORK AUTHORIZATION AFFIDAVIT
PURSUANT TO 285.530 RSMo
(FOR ALL CONTRACTS IN EXCESS OF \$5,000.00)

County of CLAY)
) ss.
State of MISSOURI)

My name is Kevin Waldron. I am an authorized agent of _____
Olsson, Inc. (Bidder). This business is enrolled and participates in a federal
work authorization program for all employees working in connection with services
provided to the City of Columbia. This business does not knowingly employ any person
who is an unauthorized alien in connection with the services being provided.

**Documentation of participation in a federal work authorization program is
attached to this affidavit.**

Furthermore, all subcontractors working on this contract shall affirmatively state
in writing in their contracts that they are not in violation of Section 285.530.1 RSMo and
shall not thereafter be in violation. Alternatively, a subcontractor may submit a sworn
affidavit under penalty of perjury that all employees are lawfully present in the United
States.

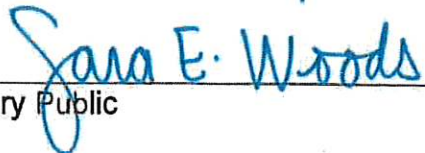


Affiant

Kevin Waldron

Printed Name

Subscribed and sworn to before me this 30th day of January, 2023



Notary Public

