



INFORMATIONAL MEMORANDUM

TO: **Transportation and Infrastructure Services Committee**
 FROM: **Hari Ponnekanti, Public Works Director/ City Engineer**
 BY: **Joshua Hopkins, Surface Water Project Manger**
 CC: **Mayor Allan Ekberg**
 DATE: **June 3, 2022**
 SUBJECT: **Surface Water Fund - 2022 Annual Small Drainage Program**
Project No. 80041201, Contract No. 22-012
Construction Management Amendment No. 1

ISSUE

Approve Amendment No. 1 to Contract No. 22-012 with KPG Psomas Inc. (KPG) for construction management (CM) services for the 2022 Annual Small Drainage Program.

BACKGROUND

The Small Drainage Program constructs drainage projects throughout the City that are too large for City staff to complete but are smaller than a typical capital improvement project. The projects originate from citizen complaints and maintenance staff recommendations and are compiled on the Small Drainage Project List.

On January 24, 2022, Council approved contract 22-012 with KPG for the design of the 2022 Small Drainage Program. KPG was selected as the best firm to meet the project requirements from a short-list of firms selected from the current MRSC.

DISCUSSION

This contract amendment will add construction management services to KPG’s existing contract. KPG will provide field engineering, inspection, technical support, submittal review, contractor communications (RFIs) and coordination, documentation compliance, materials testing and record drawing production. KPG has designed the Annual Small Drainage Program since 1991 and Public Works continues to be very satisfied with their work. KPG also has an unparalleled knowledge of the work scope at the three 2022 sites.

FINANCIAL IMPACT

The 2022 Small Drainage construction management (CM) budget is \$100,000 and is sufficient to cover the costs of Amendment No. 1 in the amount of \$99,872.00. The project is funded through the Surface Water Enterprise Fund.

| | <u>Cost Estimate</u> | | <u>2022 Budgets</u> |
|--------------------------|-----------------------------|--------|----------------------------|
| Original Design Contract | \$99,512.00 | Design | \$100,000.00 |
| CM Amendment No. 1 | <u>99,872.00</u> | CM | <u>100,000.00</u> |
| Total | <u>\$199,384.00</u> | | <u>\$200,000.00</u> |

RECOMMENDATION

Council is being asked to approve the Amendment No. 1 to Contract No. 22-012 with KPG, Inc. for construction management services in the amount of \$99,872.00 for the 2022 Small Drainage Program and to consider this item on the Consent Agenda at the June 13, 2022, Special Council Meeting.

ATTACHMENTS: 2021 CIP, page 78
Vicinity Map
Contract Amendment No. 1

CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2021 to 2026

PROJECT: Annual Small Drainage Program

Project No. 9xx41201
81241207

DESCRIPTION: Select, design, and construct small drainage projects throughout the City.

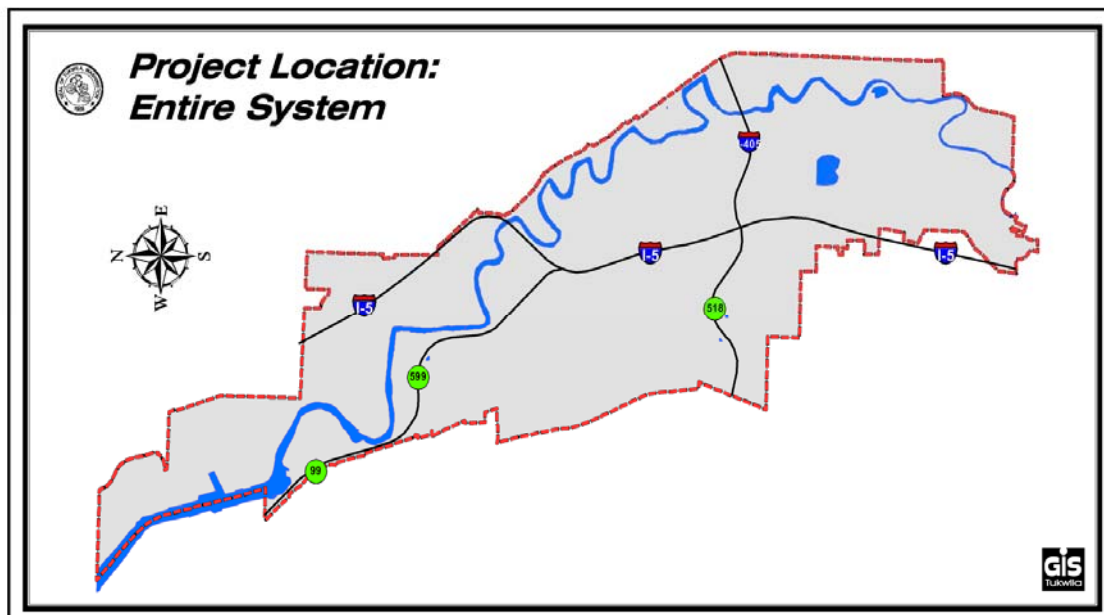
JUSTIFICATION: Provide drainage corrections for existing/ongoing drainage problems throughout the City, including culvert replacements, drain extensions, and pavement upgrades.

STATUS: Projects for this annual program are taken from Small Drainage Project List.

MAINT. IMPACT: Reduces maintenance.

COMMENT: Ongoing project, only one year shown in first column. Construction expenses may occur over two calendar years.

| FINANCIAL (in \$000's) | Through Estimated | | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | BEYOND | TOTAL |
|---------------------------|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| | 2019 | 2020 | | | | | | | | |
| EXPENSES | | | | | | | | | | |
| Design | 74 | 92 | 100 | 100 | 100 | 100 | 110 | 110 | 80 | 866 |
| Const. Mgmt. | 40 | 68 | 100 | 100 | 100 | 100 | 110 | 110 | 80 | 808 |
| Construction | 108 | 515 | 700 | 700 | 700 | 700 | 750 | 750 | 513 | 5,436 |
| TOTAL EXPENSES | 222 | 675 | 900 | 900 | 900 | 900 | 970 | 970 | 673 | 7,110 |
| FUND SOURCES | | | | | | | | | | |
| Awarded Grant | | | | | | | | | | 0 |
| Proposed Grant | 65 | | | | | | | | | 65 |
| Mitigation Actual | | | | | | | | | | 0 |
| Mitigation Expected | | | | | | | | | | 0 |
| Utility Revenue | 157 | 675 | 900 | 900 | 900 | 900 | 970 | 970 | 673 | 7,045 |
| TOTAL SOURCES | 222 | 675 | 900 | 900 | 900 | 900 | 970 | 970 | 673 | 7,110 |



2022 SMALL DRAINAGE PROGRAM

PROJECT NO. 80041201

MAYOR

ALLAN EKBERG

DIRECTOR OF PUBLIC WORKS/ CITY ENGINEER

HARI PONNEKANTI, P.E.

CITY COUNCIL

THOMAS McLEOD, PRESIDENT

KATHY HOUGARDY

DE'SEAN QUINN

KATE KRULLER

CYNTHIA DELOSTRINOS JOHNSON

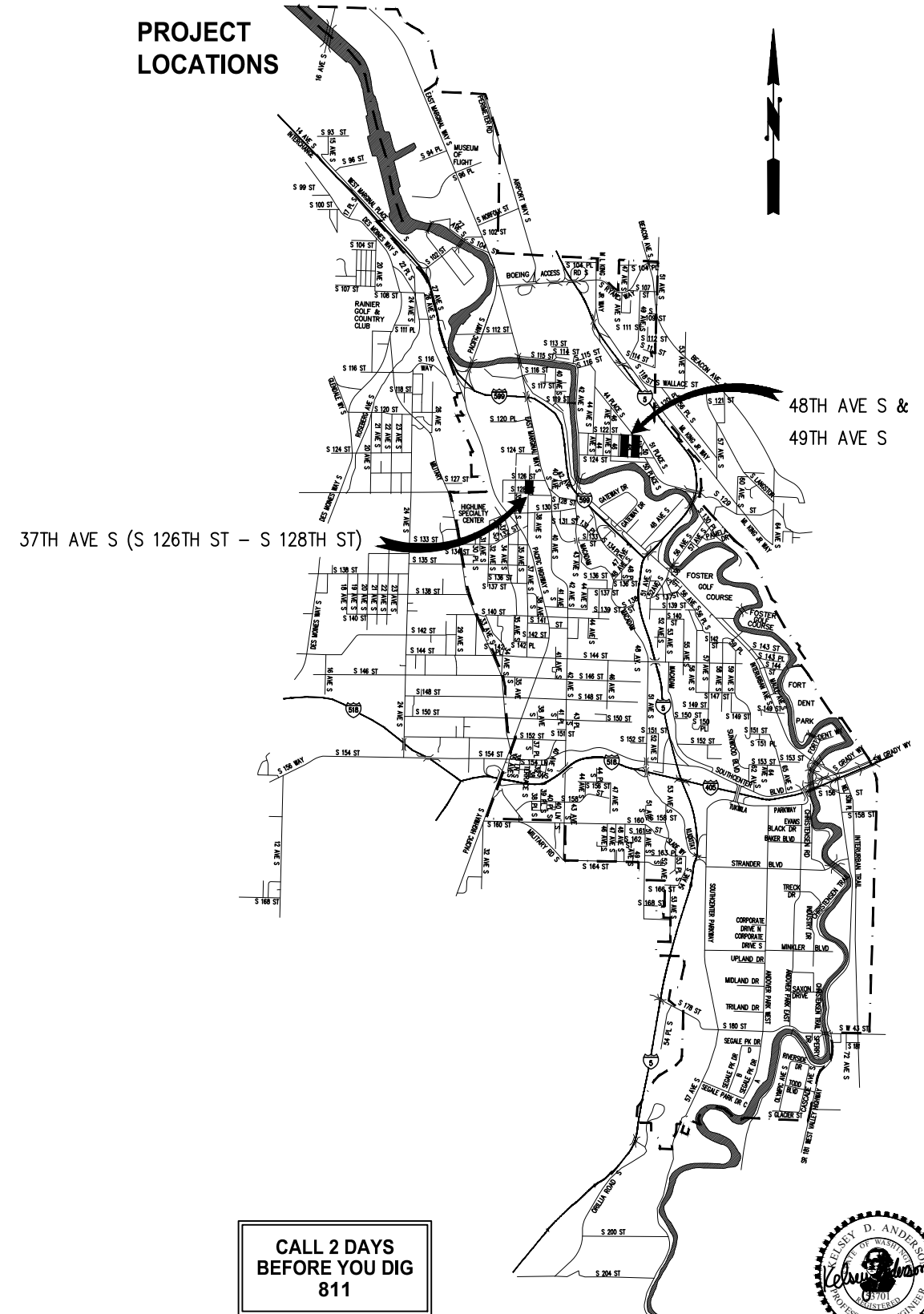
TOSH SHARP

MOHAMED ABDI

SCHEDULE OF DRAWINGS

| SHEET NO. | TITLE |
|-----------|---|
| 1 | COVER |
| 2 | LEGEND & ABBREVIATIONS |
| 3-4 | DETAILS |
| 5 | 48TH AVE S STA 20+00 – STA 24+00 – STORMWATER PLAN AND PROFILES |
| 6 | 48TH AVE S STA 24+00 – STA 27+15 – STORMWATER PLAN AND PROFILES |
| 7 | 49TH AVE S STA 30+00 – STA 34+00 – STORMWATER PLAN AND PROFILES |
| 8 | 49TH AVE S STA 34+00 – STA 37+15 – STORMWATER PLAN AND PROFILES |
| 9 | 37TH AVE S STA 10+00 – STA 14+50 – STORMWATER PLAN AND PROFILES |

PROJECT LOCATIONS



CITY OF TUKWILA

K:\PROJECTS\TUKWILA\22003-2022 Tukwila Small Drainage Program\DESIGN\Drawings\Contract\22003COV.dwg 5/5/2022 2:05 PM



PUBLIC WORKS DEPT.

*ENGINEERING*STREETS*WATER*SEWER*BUILDING*

| | by | date |
|-------------|-----|-------|
| designed | JF | 05/22 |
| drawn | JF | 05/22 |
| checked | KDA | 05/22 |
| proj eng | | |
| proj dir | | |
| field bk no | | |



Seattle
3131 Elliott Avenue, Suite 400
Seattle, WA 98121 206.286.1640
Tacoma | Wenatchee | KPG.com

BID DOCUMENTS

2022 SMALL DRAINAGE PROGRAM

COVER

| no | date | revisions |
|----|------|-----------|
| | | |
| | | |
| | | |
| | | |

1
9

file no 22003COV.DWG
scale
05/05/2022





City of Tukwila

6200 Southcenter Boulevard, Tukwila WA 98188

Agreement Number: 22-012

CONTRACT FOR SERVICES

Amendment # 1

Between the City of Tukwila and KPG Psomas Inc.

That portion of Contract No. 22-012 between the City of Tukwila and KPG Psomas Inc. (formerly KPG, P.S.) is hereby amended as follows:

Section 2 Scope of Services shall be amended with the following:

The Consultant agrees to provide City construction services in accordance with the scope of work included as Exhibit A-1.

Section 4 Payment shall be modified as follows:

An estimated budget for work provided by Consultant is included as Exhibit B-1, provided that the total amount of payment to the consultant under this agreement shall not exceed **\$199,384.00** (Orig PSA \$99,512.00 + this Amend 1 for **\$99,872.00**) without express written modification of the Agreement signed by the City.

All other provisions of the contract shall remain in full force and effect.

Dated this _____ day of _____, 2022.

CITY OF TUKWILA

CONTRACTOR

Allan Ekberg, Mayor

Terry Wright
Printed Name: Terry Wright

ATTEST/AUTHENTICATED

APPROVED AS TO FORM

Christy O’Flaherty, MMC, City Clerk

Office of the City Attorney

EXHIBIT A-1

Construction Management Services

Scope of Work

May 2022

City of Tukwila

2022 Small Drainage Program

City Project Number: 80041201

KPG Psomas Project Number: 22003

KPG Psomas Inc. (formerly KPG, P.S.) will provide construction management services for the construction contract to complete the City of Tukwila 2022 Small Drainage Program project. The proposed work includes:

Site 1: 48th Ave S from S 122nd St to S 124th St
Replace and install new storm drain system approximately 700' of 12" SD and 180' of 8" SD pipe along with 14 drainage structures. Tie into the existing system at S 122nd St.

Site 2: 49th Ave S from S 122nd St to S 124th St
Replace and install new storm drain system approximately 450' of 12" SD and 100' of 8" SD, along with 8 drainage structures. Tie into the existing system along 49th Ave S near S 122nd St.

Site 3: 37th Ave S & S 126th St
Install storm drain system approximately 200' of 12" SD and 80' of 12" DIP on the west side of 37th Ave S. Tie into the existing system along S 126th St.

A detailed scope for the Contract follows:

I. INTRODUCTION

The following scope of services and associated costs are based upon the assumptions outlined below.

General Assumptions:

- The level of service and fee is based on project duration of **40 working days**.
- The **proposed project team** will include a part time Project Manager (0.5 hours a week) part time Resident Engineer (15 hours a week), one full time Construction Inspector (40 hours a week), a part time Documentation Specialist (15 hours a week), and one part time Project Engineer from KPG Psomas's design team to review submittals and interpret Contractor inquiries, as needed. The team also includes a sub-consultant to provide services for materials testing and construction site observation to satisfy Tukwila Municipal Codes for work within certain soil classifications.
- City will review and execute the insurance, bonds, and the Construction Contract.

EXHIBIT A-1

- Consultant will coordinate during audits or traffic control operations related to project impacts and help the City to complete any other required correspondence with outside agencies.
- The City will work with the Contractor to conduct all community outreach in relation to phasing and direct impacts due to construction. The City's Contractor shall be responsible for the communication to the community on schedule and work activities.
- KPG Psomas design engineers will be available during construction to answer questions and review RAM's, shop drawings, and answer RFI's.
- Consultant services will be performed in accordance with the WSDOT Construction Manual, Contract plans & special provisions, and City of Tukwila engineering standards.
- The franchise Utilities will provide field inspection for all work surrounding the construction or relocation of their utility systems if necessary.
- Coordination of construction with franchise utilities, if any, will be done by City Contractor. Consultant will help facilitate coordination between utilities and Contractor as needed or requested by City.

II. SCOPE OF WORK

The objective and purpose of this Construction Management Services Agreement is for the Consultant to successfully deliver the construction of the Project to the City by ensuring that the improvements are constructed in accordance with the approved Plans and Specifications, as may be amended or revised, that all of the required Project documentation is accounted for, and ultimately that the City of Tukwila receives a successful review by any outside agency including state audits at the end of the Project.

TASK 1 – MANAGEMENT / COORDINATION /ADMINISTRATION

Provide overall project management, coordination with the City, monthly progress reports, and invoicing. This effort will include the following elements.

- 1.1** Organize and layout work for project staff. Prepare project instructions on contract administration procedures to be used during construction.
- 1.2** Review monthly expenditures and CM team scope activities. Prepare and submit monthly project progress reports to the City along with invoices describing CM services provided each month. Prepare and submit reporting required by funding source(s), if any.

Deliverables:

- Monthly invoices and progress reports

EXHIBIT A-1

TASK 2 – PRECONSTRUCTION SERVICES

- 2.1 Administrative Services up to Contractor Notice to Proceed (NTP):** KPG Psomas will provide support startup of the project with any miscellaneous administrative needs not specifically outlined in items 2.2 – 2.8, which are further detailed below.
- 2.2 Preconstruction (PreCon) Photos:** KPG Psomas staff shall collect and log a comprehensive set of precon photos, prior to City Contractor mobilizing to the site, for the purpose of documenting pre-existing site conditions. These shall be delivered to the City in digital form as part of the final project files.
- 2.3 Review Plans and Specs:** KPG Psomas staff shall familiarize themselves with all plans, specs, and City standards that will be incorporated into this project, in order to familiarize themselves with project limits, elements of work to be performed, measurement and payment, and other project-specific considerations, prior to the first working day.
- 2.4 Prepare Hard and Electronic Files:** The Consultant will prepare all electronic and hard copy files in preparation for the project. SharePoint will not be utilized on this contract.
- 2.5 Prepare Record of Materials (ROM):** Consultant shall modify WSDOT-provided ROM, to align with LAG manual exceptions and to improve ease of use by all project parties. In the absence of a WSDOT-provided ROM, KPG Psomas can generate a ROM from scratch, however creation of a complete project ROM is outside the scope of the current budget and may require a supplement.
- 2.6 Preconstruction Conference:** KPG Psomas will prepare an agenda for, distribute notices of, and conduct a preconstruction conference in the City’s offices or via an on-line platform of the City’s choice. The Consultant’s team will attend the preconstruction conference. Pertinent City staff and private utilities will also be present at this meeting. KPG Psomas will prepare a written record of the meeting and distribute copies of the minutes to all attendees and affected agencies, staff, etc.
- At the Preconstruction conference, the Consultant shall help facilitate discussions with the Contractor concerning the plans, specifications, schedules, pay estimate timelines and cutoff dates, issues with utilities, any unusual conditions, State and local requirements and any other items that will result in better project understanding among the parties involved.
- 2.7 Prepare Templates:** KPG Psomas will pre-populate all electronic forms, either Consultant or City provided, in preparation for contract administration. This includes pay estimate templates, weekly working days statements, inspector daily reports, change management tracking templates, etc.
- 2.8 Utility Coordination:** Consultant will assist with external and internal communications regarding utility coordination required for successful completion of the project, including utility relocations, required service interruptions, etc.

Deliverables:

- Preconstruction conference meeting minutes

EXHIBIT A-1

- Pre-construction Photos

TASK 3 – CONSTRUCTION SERVICES - FIELD

3.1 Construction Observation: The Consultant will provide one (1) inspector during construction activities and other tasks necessary to monitor the progress of the work. The Inspector will ensure that the daily inspection reports and working days reporting are completed in a timely manner and contain sufficient information to assess whether the work is being conducted in compliance with the Contract Documents per City, WSDOT,. Consultant will make IDR's available to the City by Friday of the same work week upon request.

The Inspector may perform the following duties as a matter of his daily activities:

- i. Observe technical conduct of the construction, including providing day-to-day contact with construction contractor, City, utilities, and other stakeholders, and monitor for adherence to the Contract Documents. The Consultant's personnel will act in accordance with Sections 1-05.1 and 1-05.2 of the WSDOT Standard Specifications.
- ii. Observe material, workmanship, and construction areas for compliance with the Contract Documents and applicable codes, and notify construction contractor of noncompliance. Advise the City of any non-conforming work observed.
- iii. Document all material delivered to the job site in accordance with the Contract Documents.
- iv. Prepare daily inspection reports, recording the construction contractor's operations as actually observed by the Consultant; includes quantities of work placed that day, contractor's equipment and crews, and other pertinent information.
- v. Interpret Contract Documents in coordination with the City, Contractor, and KPG Psomas.
- vi. Resolve questions which may arise as to the quality and acceptability of material furnished, work performed, and rate of progress of work performed by the construction contractor.
- vii. Support the Contractor's communication and responsibilities to answer questions from property owners and the general public as needed.
- viii. Monitor compliance of approved permits per the project specifications, if applicable.
- ix. Prepare field records and documents to ensure the Project is administered in accordance with the plans and specifications.
- x. Collect and calculate delivery tickets and scaleman's daily reports of aggregate. All tickets will be initialed with correct bid item and stationing identified (Construction Manual 10-2).
- xi. Attend and actively participate in regular on-site weekly construction meetings.
- xii. Take digital photographs during the course of construction, and record locations.

Assumptions:

- Consultant will provide observation services for the days/hours that the contractor's personnel are on-site.

EXHIBIT A-1

- Assumption is Client's Contractor shall work normal 40-hour work weeks. For this project the "normal" work week may occur at night. KPG Psomas does not differentiate day shift from night shift. However, if the City's Contractor works a double shift (both day and night) within a single 24-hour period this will constitute two working days. Consultant's hours for inspection are based on one shift for number of working days allowed per Contract.
- Assumption is if Contractor is working at multiple sites within the City of Tukwila, the Consultant will split their time at the multiple locations and prioritize what location to be at for observation.
- The Consultant's monitoring of the construction contractor's activities is to ascertain whether they are performing the work in accordance with the Contract Documents; in case of noncompliance, Consultant will reject non-conforming work, and pursue the other remedies in the interests of the client, as detailed in the Contract Documents.

3.2 Material Testing – Coordination & Tracking: The inspector shall coordinate with the Contractor and the material testing firm to schedule testing of materials in the field to ensure they meet specifications per contract requirements. The cost for this effort is included in Task 3.1.

3.3 Construction Inspection Nights: Night work is not anticipated for this project.

Deliverables:

- Daily Construction Reports with project photos.
- Field Note Records for all field-measurable pay items.
- Review material test reports for compliance.

TASK 4 – CONSTRUCTION SERVICES – OFFICE

4.1 Construction Management Office Support: Original documentation will be housed at the Consultant's office and filed in accordance with standard filing protocol. Document Control will consist of the following:

- a. Project Coordination:** Liaison with City, construction Contractor, engineer, utilities and property owners on a regular basis to discuss project issues and status.
- b. Plan Interpretations:** Provide technical interpretations of the drawings, specifications, and Contract Documents, and evaluate requested deviations from the approved design or specifications. Coordinate with City for resolution of issues involving scope, schedule, and/or budget changes.
- c. Submittals:** Consultant shall take lead on submittal reviews/ approvals. Consultant shall coordinate review process for shop drawings, samples, traffic control plans, test reports, and other submittals from the Contractor for compliance with the contract documents. Submittals shall be logged and tracked by Consultant.

EXHIBIT A-1

- d. **Requests for Information (RFI):** Consultant shall review and respond to RFI's. RFI's shall be logged and tracked by Consultant.
- e. **Weekly Meetings:** Consultant will lead weekly meetings. Consultant will prepare agenda for City review and distribute meeting minutes to attendees. Outstanding issues to be tracked on a weekly basis. Weekly Statement of Working Days will be reviewed/accepted by Contractor during the Weekly Meeting.
- f. **Change Orders:** The Consultant will develop change orders and the Consultant will provide technical assistance to negotiate change orders, and assist in resolution of disputes which may occur during the course of the project. The City will approve all change orders before being fully executed. Each change order will be executed in accordance with WSDOT Standard Specifications.
- g. **Field Work Directives:** The Consultant will prepare field work directives as necessary to keep the Contractor on schedule.
- h. **Force Account:** The Consultant will track Contractor force account labor, equipment and materials. All force account calculations will be verified by the City and double checked by the Consultant. The City shall have final authority to approve any Force Account work prior to agreement with the Contractor.
- i. **Schedule Review:** Consultant shall perform review of initial Contractor provided CPM for conformance with the Contract Documents. Any discrepancies, conflicts or unreasonable work durations will be brought to the attention of the Contractor and City. Consultant will provide one (1) intermediate review of Contractor's updated schedule and compare with field-observed progress and duration of the project.
- j. **Lump Sum Breakdown:** Consultant shall evaluate construction Contractors' Schedule of Values for lump sum items. Review the Contract Price allocations and verify that such allocations are made in accordance with the requirements of the Contract Documents. Lump Sum Breakdowns for payment each month will be calculated.
- k. **Monthly Pay Requests:** Consultant shall prepare monthly requests for Contractor payment based on field note records prepared by Consultant field inspector in accordance with contract documents.
- l. **Weekly Statement of Working Days:** Consultant shall prepare, and issue weekly statement of working day report each week to the Contractor and City for review and approval. Weekly statement of working days will be based on field inspection reports provided by Consultant.
- m. **Subcontractor Documentation:** Process / approve all required subcontractor documentation. Request to Sublets will be verified and logged. This includes checking System Award Management System (SAMS), verifying business licensing, reviewing insurance documentation, verifying city business licensing, Intent to Pay Prevailing Wage

EXHIBIT A-1

and Affidavit of Wages Paid. All subcontractor documentation will be logged into KPG Psomas's subcontractor logs.

- 4.2 Construction Management Field Paperwork:** Consultant shall review and assist with processing of field paperwork from the Inspector and Contractor for tracking and documentation.
- 4.3 Certified Payroll:** The Consultant will process and check the Contractor and Subcontractor's certified payroll per State Prevailing Wage Requirements. Tracking of payroll shall consist of recording each payroll received from the Prime and Subcontractors and checking pay rates against Contract requirements. Any discrepancies will be brought to the Contractor and City.
- 4.4 Utility Coordination:** The Consultant will facilitate ongoing communications and coordination between the Contractor and City and/or Franchise utilities who may have infrastructure within the project limits. This includes JUT conversions, relocations due to foreseen or unforeseen conflicts, scheduled outages for tie-ins, etc.

Deliverables:

- Approved Submittals and Submittal log
- Responded RFIs and RFI Log
- Weekly Meeting minutes
- Fully-executed Change Orders and Field Work Directives, with Change Management Log
- Force Account Documentation and Tracking Log
- Fully-executed Monthly Progress Payments
- Subcontractor Packets
- Weekly Statements of Working Days
- Certified Payroll Tracking Log (hard copy binder not included)
- Contractor-generated As-builts, if required by Contract
- All other project documentation generated during the course of project construction duration.

TASK 5 – PROJECT CLOSEOUT

5.1 Closeout Office Support: Consultant shall assist with generation of closeout documentation and pursuit of successful project final completion, as detailed below:

- a. **Substantial Completion Letter:** Following full and unrestricted use of the project status being obtained by the Contractor and agreed to by the City, Consultant shall draft Substantial Completion Letter on City letterhead, for issuance to Contractor.

EXHIBIT A-1

- b. **Physical Completion Letter:** Following completion of all punch list work verified by the Consultant and any stakeholders required the Consultant shall prepare physical completion letter to the Contractor and the City shall issue the final contract voucher.
- c. **Final Pay Estimate:** Consultant shall prepare final payment estimate, along with any final quantity adjustments needed to existing bid items, for issuance to Contractor, in conjunction with the final contract voucher, issued by the City.

5.2 Closeout Inspection and Punchlist: Consultant shall assist in a punchlist walkthrough with Contractor, City staff, and any other necessary agencies for the purposes of developing a final project punchlist. The Consultant shall assemble walkthrough comments and provide the preliminary list to the City for concurrence, prior to issuing the list to the Contractor. On notification of completion of the punchlist, Consultant shall perform a final walkthrough to confirm satisfactory completion of all items on the list and shall note any remaining discrepancies. Subsequent project walkthroughs are beyond the scope of this agreement, but will be accommodated should the request be made by the City, and sufficient remaining budget allows.

5.3 Certified Payroll Closeout: Consultant shall attempt to ensure that all certified payrolls and affidavits of wages paid are current and complete at the time of project physical completion. This will include regular checks of the L&I portal and frequent reminders to the Contractor to provide any missing information in a timely manner. As the task of gathering the final documentation from Contractors and their Subcontractors can sometimes be an extended process, outside the control of the City or Consultant, after 8 weeks post-physical completion, the Consultant shall perform a final status update of the CP tracking log, along with memos to file of any missing documentation, and shall hand off the remaining verification process to the Client.

5.4 Prepare Documentation to Deliver to City: Consultant shall perform QA/QC on all project documentation deliverables as outlined in Task 4.1, as well as any documentation generated in the course of completion of Task 5, and shall transfer all project documents to the City for permanent storage.

- Substantial Completion Letter
- Physical Completion Letter
- Final Payment Invoice
- Project Punchlist
- Final Project Documents

TASK 6 – SUBCONSULTANTS

6.1 Material Testing: HWA Material Testing will be retained as KPG Psomas’s subconsultant to provide material testing and construction observation services. All testing will be done in accordance with LAG Manual and WSDOT Construction Manual, or at a desired reduced frequency as-directed by City project manager.

EXHIBIT A-1

TASK 7 – ADDITIONAL SERVICES

7.1 Management Reserve: Additional services requested by the City will be performed only when authorized by the City. Authorization to perform additional services will be in writing, specifying the work to be performed, and basis of payment. Items such as Community Outreach (except as completed on a day-to-day basis by the inspector and resident engineer as described in task 3.1 – vii), Public Meetings, Ribbon Cutting Ceremony, claims analysis, surveying, services during shutdown periods of non-working days, and services for extended working days are examples of possible additional services. This fee is based 40 working day contract, with 10 additional reduced-effort days for startup and 20 additional reduced-effort days for closeout, for a total of 70 days / 14 weeks, 8-hour days, additional extension of days will be approximately \$1,080.00 per day for one person. (8 hours x \$135.00 = \$1,080.00)

EXHIBIT B-1

PRIME CONSULTANT COST COMPUTATIONS

Client: City of Tukwila

Project: 2022 Small Drainage Program CM Services Supp #1

KPG Psomas Inc. PROJECT NUMBER: 22003

40 working days + 2 week startup and 4 weeks closeout

Reviewed by: Jordan P

Date: 5/5/2022

DATE: 5/12/2022

| Task No. | Task Description | Labor Hour Estimate | | | | | | | | | | | | Total Hours and Labor Fee Estimate by Task | | | |
|--|--|---------------------|-----------------------------|-------------------|------------------------------|---------------------------|--------------------------|-------------------------|-----------------------------|------------------------|--------------|--------------|------------------|--|--------------------|-----------------------------------|---------------------|
| | | Project Engineer II | Senior Construction Manager | Resident Engineer | Senior Construction Observer | Construction Observer III | Construction Observer II | Construction Observer I | Document Control Specialist | Document Control Admin | Senior Admin | Office Admin | Office Assistant | Hours | Fee | | |
| | | 172 | 245 | 142 | 212 | 143 | 126 | 101 | 134 | 104 | 130 | 98 | 82 | | | | |
| Task 1 - MANAGEMENT / COORDINATION / ADMINISTRATION | | | | | | | | | | | | | | | | | |
| 1.1 | Project Management and Administrative Services | | 7 | | | | | | | | | | 7 | \$ | 1,715.00 | | |
| 1.2 | Prepare, review and submit monthly expenditures | | 3 | | | | | | | | 4 | | 7 | \$ | 1,255.00 | | |
| | Task Total | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 14 | \$ 2,970.00 | | |
| Task 2 - Assist City with the Award Process (Design Team will Support) | | | | | | | | | | | | | | | | | |
| 2.1 | Assist City with Award Process | | | | | | | | | | | | 0 | \$ | - | | |
| 2.2 | Bid Tab Analysis and Verify Contractor | | | | | | | | | | | | 0 | \$ | - | | |
| 2.3 | Communications | | | | | | | | | | | | 0 | \$ | - | | |
| | Task Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ | - | | |
| Task 3 - Administrative Services up to Contractor Notice to Proceed (NTP) (2 Weeks) | | | | | | | | | | | | | | | | | |
| 3.1 | Administrative Services up to Contractor Notice to Proceed | | | 2 | | | | | 2 | | | | 4 | \$ | 552.00 | | |
| 3.2 | PreCon Photos | | | | | | 4 | | | | | | 4 | \$ | 504.00 | | |
| 3.3 | Review plans and Specs | | | 4 | | | 4 | | 4 | | | | 12 | \$ | 1,608.00 | | |
| 3.4 | Prepare Hard and Electronic Files | | | 4 | | | | | 2 | | | | 6 | \$ | 836.00 | | |
| 3.5 | Prepare ROM | | | 2 | | | | | 2 | | | | 4 | \$ | 552.00 | | |
| 3.6 | Prepare PreCon Agenda | | | 2 | | | | | 2 | | | | 4 | \$ | 552.00 | | |
| 3.7 | Prepare Templates | | | | | | | | 4 | | | | 4 | \$ | 536.00 | | |
| 3.8 | Utility Coordination | | | 2 | | | | | | | | | 2 | \$ | 284.00 | | |
| | Task Total | 0 | 0 | 16 | 0 | 0 | 8 | 0 | 16 | 0 | 0 | 0 | 40 | \$ | 5,424.00 | | |
| Task 4 - Construction Management (CM) and Administrative Services. NTP to Project Closeout. (8 Weeks) | | | | | | | | | | | | | | | | | |
| 4.1 | Construction Management Office Support | 8 | | 100 | | | | | 110 | | | | 218 | \$ | 30,316.00 | | |
| 4.2 | Construction Management Field Paperwork | | | 10 | | | | | 10 | | | | 20 | \$ | 2,760.00 | | |
| 4.3 | Certified Payroll Tracking | | | | | | | | | | 16 | | 16 | \$ | 1,664.00 | | |
| 4.4 | Utility Coordination | | | 10 | | | | | | | | | 10 | \$ | 1,420.00 | | |
| | Task Total | 8 | 0 | 120 | 0 | 0 | 0 | 0 | 120 | 16 | 0 | 0 | 264 | \$ | 36,160.00 | | |
| Task 5 - Provide Field Inspection for Each of the Project's Working Days (8 Weeks) | | | | | | | | | | | | | | | | | |
| 5.1 | Construction Inspection (8 hrs/day for inspection & reports) | | | | | | 320 | | | | | | 320 | \$ | 40,320.00 | | |
| 5.2 | Weekly Construction Meetings (Included in 5.1) | | | | | | | | | | | | 0 | \$ | - | | |
| 5.3 | Construction Inspection Nights (None Anticipated) | | | | | | | | | | | | 0 | \$ | - | | |
| | Task Total | 0 | 0 | 0 | 0 | 0 | 320 | 0 | 0 | 0 | 0 | 0 | 320 | \$ | 40,320.00 | | |
| Task 6 - Project Closeout (4 Weeks) | | | | | | | | | | | | | | | | | |
| 6.1 | Construction Management Office Support | | | 20 | | | | | 20 | | | | 40 | \$ | 5,520.00 | | |
| 6.2 | Construction Management Field Paperwork/Inspection | | | | | | 8 | | | | | | 8 | \$ | 1,008.00 | | |
| 6.3 | Certified Payroll Closeout | | | | | | | | | 10 | | | 10 | \$ | 1,040.00 | | |
| 6.4 | Prepare Documentation to Deliver to City | | | | | | | | 20 | | | | 20 | \$ | 2,680.00 | | |
| | Task Total | 0 | 0 | 20 | 0 | 0 | 8 | 0 | 40 | 10 | 0 | 0 | 78 | \$ | 10,248.00 | | |
| Task 7 - Materials Testing | | | | | | | | | | | | | | | | | |
| 7.1 | Subcontract with Material Tester (LS Estimate) | | | | | | | | | | | | 0 | \$ | 4,500.00 | | |
| | Task Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ | 4,500.00 | | |
| | Task Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ | - | | |
| Task 9 - Management Reserve | | | | | | | | | | | | | | | | | |
| 9.1 | Upon City Authorization Only | | | | | | | | | | | | 0 | \$ | - | | |
| | Task Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ | - | | |
| | Total Labor Hours and Fee | 1,376 | 2,450 | 22,152 | 0 | 0 | 42,336 | 0 | 23,584 | 2,704 | 520 | 0 | 0 | 716 | \$ | 99,622.00 | |
| Reimbursable Direct Non-Salary Costs | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Mileage at current IRS rate | \$ 250.00 |
| | | | | | | | | | | | | | | | | Reproduction Allowance | \$ - |
| | | | | | | | | | | | | | | | | Total Reimbursable Expense | \$ 250.00 |
| | | | | | | | | | | | | | | | | Total Estimated Budget | \$ 99,872.00 |