



RESOLUTION NO. U-11521

1 A RESOLUTION related to the Department of Public Utilities, Water Division;
2 authorizing participation in the City of Tacoma, Department of Public
3 Works' Sheridan Arterial Improvement Project Phase 1 contract for the
4 replacement and installation of water main.

5 WHEREAS the Department of Public Utilities, Water Division ("Tacoma
6 Water") proposes to replace aging water main infrastructure, constructed circa
7 1955, in partnership with Department of Public Works, as part of the
8 Department of Public Works' Sheridan Arterial Improvement Phase 1 Project
9 (the "Sheridan Project"), and

10 WHEREAS the Sheridan Project will include roadway improvements,
11 storm/sewer upgrades, construction of sidewalks and ADA compliant ramps,
12 signalization upgrades, illumination upgrades, and landscaping upgrades, and

13 WHEREAS Tacoma Water proposes replacing and installing
14 approximately 3,200 lineal feet of 8-inch water main along S. Sheridan Ave.,
15 between S. 72nd St. and 64th St., and

16 WHEREAS the total project cost for the water main replacement is
17 \$850,719.10, plus a 15 percent contingency, for a cumulative total of
18 \$978,326.97, plus applicable taxes, and

19 WHEREAS Tacoma Water believes it is in the best interest of the utility
20 and its customers to include the water main work as part of the Sheridan
21 Project, and

22 WHEREAS this project partnership will improve project delivery, reduce
23 project costs, improve system reliability, and consolidate construction
24 disturbance to residents and businesses; Now, therefore,
25
26



BE IT RESOLVED BY THE PUBLIC UTILITY BOARD OF THE CITY OF TACOMA:

That Tacoma Water is authorized to participate in the Department of Public Works' Sheridan Arterial Improvement Phase 1 Project to replace and install water main in the amount of \$850,719.10, plus a 15 percent contingency, for a cumulative total of \$978,326.97, plus applicable taxes, and the proper officers of Tacoma Water are authorized to execute an agreement in a form as approved by the City Attorney's Office.

Approved as to form:

Chair

/s/

Chief Deputy City Attorney

Secretary

Adopted

Clerk



Board Action Memorandum

TO: Jackie Flowers, Director of Utilities
COPY: Charleen Jacobs, Director and Board Offices
FROM: Heather Pennington, Acting Tacoma Water Superintendent, TPU
Troy Saghafi, Professional Engineer, Tacoma Water Planning & Engineering
MEETING DATE: April 9, 2025
DATE: March 26, 2025

GUIDING PRINCIPLE ALIGNMENT (select as many that apply):

Please indicate which of the Public Utility Board's Guiding Principle(s) is supported by this action.

- | | |
|--|--|
| <input type="checkbox"/> GP1 – Diversity, Equity, Inclusion, Belonging | <input type="checkbox"/> GP8 – Telecom |
| <input type="checkbox"/> GP2 – Financial Sustainability | <input type="checkbox"/> GP9 – Economic Development |
| <input type="checkbox"/> GP3 – Rates | <input type="checkbox"/> GP10 – Government Relations |
| <input type="checkbox"/> GP4 – Stakeholder Engagement | <input type="checkbox"/> GP12 – Employee Relations |
| <input type="checkbox"/> GP5 – Environmental Sustainability | <input type="checkbox"/> GP13 – Customer Service |
| <input type="checkbox"/> GP6 – Innovation | <input type="checkbox"/> GP14 – Resource Planning |
| <input checked="" type="checkbox"/> GP7 – Reliability & Resiliency | |

SUMMARY:

Tacoma Water seeks Public Utility Board approval to participate in the City of Tacoma, Department of Public Works, Sheridan Arterial Improvement Phase 1 Project. Tacoma Water proposes to replace approximately 3,200 lineal feet of 8-inch water main along S. Sheridan Ave., between S. 72nd St. and S. 64th St.

Total project cost is \$850,719.10 plus a 15 percent contingency, for a cumulative total of \$978,326.97 plus applicable taxes.

Tacoma Water believes it is in the best interest of the utility and its customers to include the water main work in the Public Works project. This project partnership will improve project delivery, reduce project costs, improve system reliability, and consolidate construction disturbance to residents and businesses.

BACKGROUND:

Tacoma Water proposes to replace aging water main infrastructure, constructed circa 1955 in a partnership with Public Works on their Sheridan Arterial Improvement Phase 1 project.

The Public Works project will include roadway improvements, storm/sewer upgrades, construction of sidewalks and ADA compliant ramps, signalization upgrades, illumination upgrades, and landscaping upgrades. For background information regarding the Public Works portion of the project please refer to the Contract and Award Letter.



Board Action Memorandum

ISSUE: The existing water main in this area is approximately 70 years old, with sections near the end of its operational life.

ALTERNATIVES: Rehabilitating the existing water main is cost prohibitive. It is more cost effective to mitigate the risk of future water main breaks under a new roadway by replacing the water main now.

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

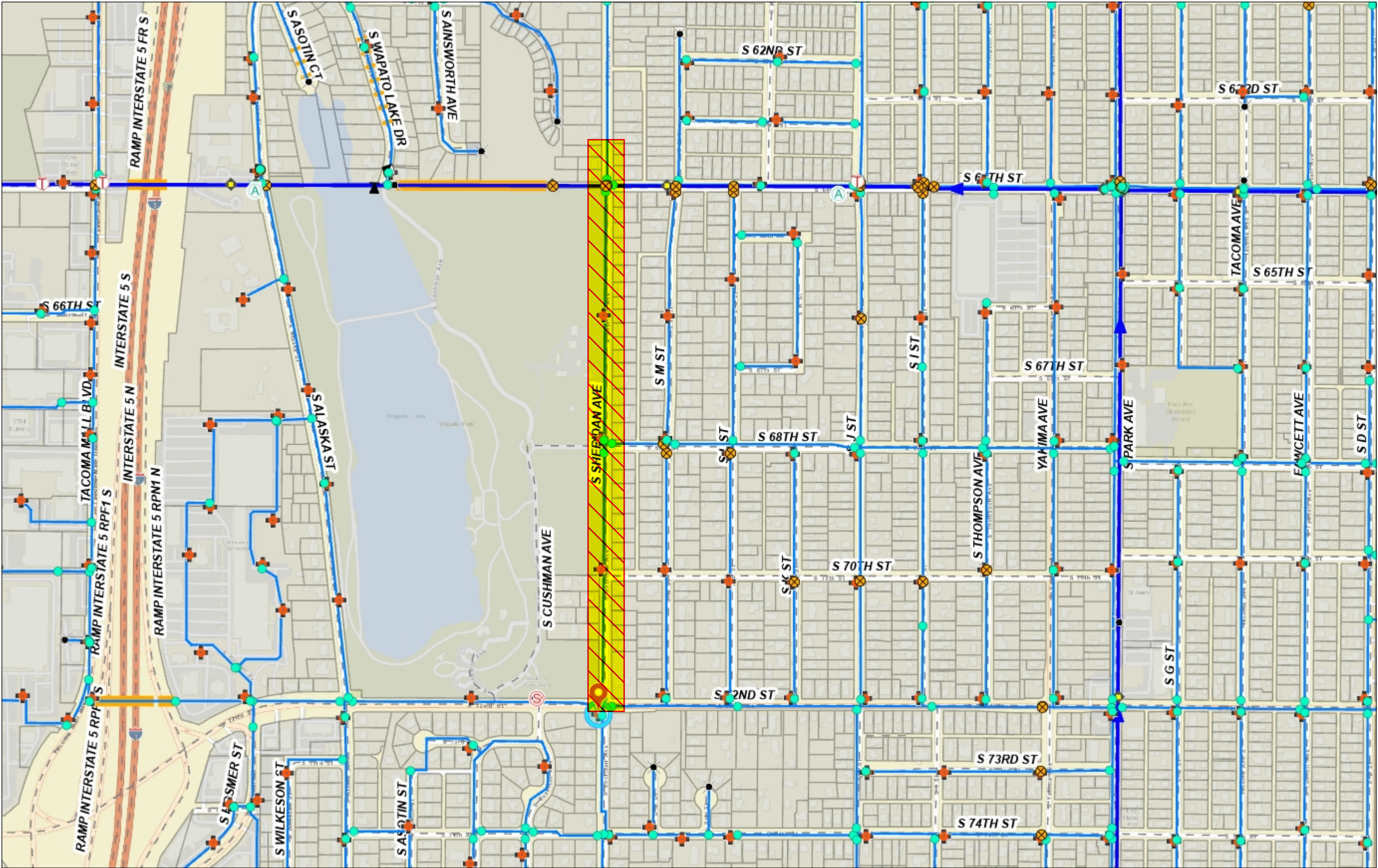
IF THE ACTION REQUESTED IS APPROVAL OF A CONTRACT, INCLUDE LANGUAGE IN RESOLUTION AUTHORIZING \$200,000 INCREASE IN ADMINISTRATIVE AUTHORITY TO DIRECTOR? Yes.

ATTACHMENTS: Project Map
Contract and Award Letter
Secondary Agreement for Joint Project Public Works - Tacoma Water

CONTACT: Troy Saghafi, Professional Engineer, Tacoma Water Planning and Engineering
Terry Forslund, Assistant Division Manager, Tacoma Water Planning and Engineering



MRP 2020-36 Sheridan Arterial Improvement Project Phase 1-LOCATION MAP



Legend

Cathodic Protection

- Test Station
- Rectifier
- Anode

Sample Stations

- Sample Stand
- Chart Box
- Sample Stand/Chart Box

Pumps

System Valves

- Open
- Closed
- Unknown

Control Valves

- Air Control
- Check
- Pressure Reducing
- Pressure Relief
- All Other Control Valves

Hydrants

- Blue Hydrants
- Design (Not Constructed)
- In-Service

Process Valves

- Blowoff
- Drain

Network Structures

- Production Well
- Standpipe
- Pump Station
- Enclosed Storage Facility
- Tank
- Supply Structure

Fence Gates

Mains

- Bypass
- Chemical
- Distribution
- Fire

1: 8,701



Notes
This map was automatically generated using Geocortex Essentials.

1,450.1 0 725.07 1,450.1 Feet

WGS_1984_Web_Mercator_Auxiliary_Sphere
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 **PROJECT EXTENTS**

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.
THIS MAP IS NOT TO BE USED FOR NAVIGATION



**Contract and Award Letter
Purchase Resolution – Exhibit “A”**

TO: Board of Contracts and Awards
FROM: Ramiro A. Chavez, P.E. PgMP, Public Works Director/City Engineer
Jon Kulju, PMP, Project Manager, Public Works Engineering
COPY: City Council, City Manager, City Clerk,] EIC Coordinator, LEAP Coordinator, and
Carly Fowler, Senior Buyer, Finance/Procurement
SUBJECT: **Sheridan Arterial Improvements Phase I - S 72nd St. to S 64th St.**
Request for Bids Specification No. PW24-0291F, Contract No. CWxxxxxxxxx
April 15, 2025 City Council
DATE: [Today's Date]

RECOMMENDATION SUMMARY: The Public Works Department recommends a contract be awarded to R. L. Alia Company, Renton, WA, in the amount of \$6,163,769.00, plus a 10 percent contingency, for a cumulative total of \$6,780,145.90, plus applicable taxes, budgeted from the 1060 Transportation Capital Fund for reconstruction of Sheridan Avenue from S 72nd St to S 64th St.

STRATEGIC POLICY PRIORITY:

- Strengthen and support a safe city with healthy residents.
- Ensure all Tacoma residents are valued and have access to resources to meet their needs.

BACKGROUND: Sheridan Avenue is an arterial roadway that serves the South End Neighborhood and provides a connection from other arterials, S 56th Street to S 84th Street. In 2022 the City accepted a grant to reconstruct the roadway, a separated shared use path on the west side and ADA compliant sidewalks on the east side.

ISSUE: Sheridan Avenue between S 72nd and S 64th is a two lane arterial with gravel shoulders and intermittent sidewalks that do not meet ADA requirements.

ALTERNATIVES: The alternative is to not improve the roadway and conduct normal maintenance as required not meeting the City's goal of improving non-motorized connections.

COMPETITIVE SOLICITATION

Request for Bids Specification No. PW24-0291F was opened February 25, 2025. 127 companies were invited to bid in addition to normal advertising of the project. Eleven submittals were received. R. L. Alia Company submitted a bid that resulted in the lowest evaluated submittal after consideration of EIC participation requirements. The table below reflects the amount of the base award.

<u>Respondent</u> (RFB)	<u>Location</u> (city and state)	<u>Submittal</u> Amount
R. L. Alia Company	Renton, WA	\$6,163,769.00
Sound Pacific Construction LLC	Gig Harbor, WA	\$7,768,844.00
Olson Brothers Excavating, Inc	Puyallup, WA	\$8,167,556.50
Northwest Cascade Inc	Puyallup, WA	\$6,224,907.00



SCI Infrastructure LLC	SeaTac, WA	\$6,164,953.00
Rodarte Construction, Inc	Auburn, WA	\$6,409,615.00
Tucci & Sons LLC	Tacoma, WA	\$7,318,095.00
Active Construction Inc	Tacoma, WA	\$7,752,750.80
Miles Resources LLC	Puyallup, WA	\$6,262,648.27
Reed Trucking & Excavating Inc	Tacoma, WA	\$7,014,791.00
Pacific Civil Infrastructure Inc.	Tacoma, WA	\$6,401,058.50

Pre-bid Estimate: \$6,824,110.00

The recommended award is ten percent below the pre-bid estimate.

CONTRACT HISTORY: New Contract

SUSTAINABILITY The project will provide a new driving surface for motorized users and a shared use path for non-motorized users. The project improves access to Wapato Park and local schools. The project also improves the City’s infrastructure and the safety of students, residents and park patrons by providing enhanced pedestrian and traffic signals. ADA-compliant curb ramps will be installed addressing social equity factors including ergonomic and human health impacts.

EQUITY IN CONTRACTING (EIC) COMPLIANCE: The recommended contractor is in compliance with the EIC requirements per memorandum dated March 6, 2025. The EIC requirements for this project are MBE20 percent, WBE 15 percent and SBE 20 percent. The EIC utilization levels of the recommended contractor, R. L. Alia Company J, are MBE 20.49 percent, WBE 15.05 percent, and SBE 20.49 percent.

LOCAL EMPLOYMENT AND APPRENTICESHIP TRAINING PROGRAM (LEAP)

COMPLIANCE: The LEAP requirements for this project are 15 percent of the project labor hours must be worked by Local Employees and an additional 15 percent of the labor hours must be worked by Apprentices, per TMC 1.90.040.

FISCAL IMPACT:



EXPENDITURES:

FUND NUMBER & FUND NAME	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
1060 Transportation Capital Fund	PWK-G0043-05-01	5330100	\$ 6,780,145.90
TOTAL			Up to \$6,780,145.90

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
Fund 1085 Streets Initiative	PWK-G0043-FS-02	6311108	(\$2,369,426.80)
TIB Grant	PWK-G0043-FS-04	4334280	(\$3,560,000.00)
Tacoma Water Fund	WTR-00604-01-14-02	6311185	\$(850,719.10)
TOTAL			Up to (\$)6,780,145.90

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$ 6,780,145.90

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

IF EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW THEY ARE TO BE COVERED. N/A



TO: Jack Niehuser, P.E., Division Manager, Public Works Engineering
Terry Forslund, P.E., Assistant Division Manager, Tacoma Water Planning & Engineering

FROM: Jon Kulju, PMP, Project Manager, Public Works Engineering Initial JK
Troy Saghafi, P.E., Professional Engineer, Tacoma Water Planning & Engineering DS TS

SUBJECT: Secondary Agreement for Joint Project PW-TW for Sheridan Arterial Improvement Project Phase 1 project PW24-0291F/ MRP 2020-36

DATE: March 12, 2025

City of Tacoma Public Works Division and City of Tacoma Water, Planning & Engineering Division are collaborating to add water related infrastructure to the Public Works led Sheridan Arterial Improvements Phase 1 project.

The project is located along S. Sheridan Ave., between S. 72nd St. and S. 64th St. Water infrastructure improvements include installing new 8-inch water main and associated appurtenances along the project extents.

The Tacoma Water construction work has been incorporated into a single construction contract to be administered by the Public Works Department. The project was advertised under specification PW24-0291F, and bids opened on February 25, 2025, with R.L. Alia Company from Renton, WA identified as the low bidder.

As Tacoma Water's participation in this construction contract exceeds \$500,000, Tacoma Water will request Public Utility Board approval to partner with the Public Works Department prior to the Public Works administered request for construction contract approval by the Tacoma City Council. Public works will prepare the Contracts & Awards Letter for the C&A Board.

The following summarizes the construction cost allocations for the project and other commitments.

1. Tacoma Water will be responsible for the cost of water distribution main work, valves, hydrants, trench excavation, trench backfill and compaction to subgrade elevation, mobilization, traffic control, and other appurtenant items directly related to the installation of new water main. Costs for these items are in "Group WA" of the contract bid proposal. The estimated cost of "Group W", including force account is \$817,521.00, plus taxes.
2. Tacoma Water will be responsible for a portion of selected Roadway bid items R41 (Group R) and Lump Sum Items L3, L14, L15, and L16 (Group L) as noted in the Project Breakdown Estimate worksheet (see exhibit A).
 - Tacoma Water's portion of the shared cost is based on the proportion of costs in Group WA relative to the total project costs, based on the contractors bid pricing.
 - The proportional amount of costs to be shared by Water is 13.26% of Lump Sum Group L Items.
 - The total shared cost of Tacoma Water's responsibility from Group R and Group L bid items is estimated to be \$10,167.45.
 - The quantities used in the attached Project Breakdown Estimate worksheet are the engineer's estimated quantities provided on the bid sheets. Actual quantities used in



construction may vary from the engineer's estimated quantities. The proportional costs noted above will be used to pay for the actual quantities for shared items in Group R and Group L.


3. The Department of Public Works will administer the construction contract and provide construction management, contract administration, and construction inspection assistance.
 - Tacoma Water will pay the Public Works Department contract administration fees associated with Tacoma Water's scope of work and will compensate the Public Works Department in the amount of 3% of the combined costs noted in paragraphs 3 and 4 above, less force account of \$60,000.00 (\$827,688.45- \$60,000.00).
 - The estimated cost for the Tacoma Water's portion of contract administration is \$23,030.65. This amount will be adjusted based on actual construction costs and transferred to the Department of Public Works via SAP journal entry at the completion of Tacoma Water's financial obligations for the project construction.
4. Tacoma Water will be responsible for the daily inspection, surveying, and project redline drawings of the water main construction. Use of Force Account items in Group WA will be as agreed to by Tacoma Water. Tacoma Water and Public Works inspections will be a cooperative and coordinated effort.
5. Tacoma Water's water-related project construction cost estimate is \$827,688.45, plus estimated contract administration cost of \$23,030.65 for a cumulative total estimate of \$850,719.10, plus applicable taxes.
 - Payment by Tacoma Water will be made for the actual quantities and costs incurred.
 - Tacoma Water has provided the following WBSE for charging these construction costs: WTR-00604-01-14-02 Construction Payments

We look forward to coordinating to complete this project of mutual benefit for the citizens of Tacoma, the Department of Public Works, and Tacoma Water. By signature, please indicate your approval to proceed with this joint project.

DocuSigned by:

Terry Foslund, P.E., PMP
Planning & Engineering Assistant Division Manager
Tacoma Water

03/12/2025
Date


Jack Niehuser, P.E.
Division Manager, Public Works Engineering

3/12/25
Date

Attachment: Exhibit-A Project Breakdown Estimate

Cc: Phill Ringrose, Construction Manager, Planning & Engineering, Tacoma Water
Alicia Flatt, Principal Engineer, Planning & Engineering, Tacoma Water
Alyssa Flores, Budget & Financial Lead, Tacoma Water

EXHIBIT-A
Project Breakdown Estimate

Secondary Agreement for Joint
PW24-0291F-TW2020-36

Description: Sheridan Arterial Imp Ph 1
Specification No.: PW24-0291F
Bid Opening: 2/25/2025

					ENGINEER'S ESTIMATE		Low Bidder R.L. Alia Company		Water Responsibility		
Item	Spec #	Description	Unit	Quantity	Unit Price	Amount	Unit Price	Amount	QTY.	(%)	Amount
Group R-Roadway Items: R1-R65											
R1	1-10	Uniformed Police Officer for Traffic Control	HR	80	\$ 125.00	\$ 10,000.00	\$ 175.00	\$ 14,000.00			
R2	2-02	Hydro-Excavation	HR	60	\$ 400.00	\$ 24,000.00	\$ 500.00	\$ 30,000.00			
R3	2-02	Conventional Potholing	LF	50	\$ 140.00	\$ 7,000.00	\$ 325.00	\$ 16,250.00			
R4	2-03	Roadway Excavation Incl. Haul	CY	7,800	\$ 45.00	\$ 351,000.00	\$ 50.00	\$ 390,000.00			
R5	2-03	Unsuitable Foundation Excavation Incl. Haul	CY	390	\$ 45.00	\$ 17,550.00	\$ 67.00	\$ 26,130.00			
R6	2-03	Gravel Borrow Incl. Haul	TN	800	\$ 40.00	\$ 32,000.00	\$ 50.00	\$ 40,000.00			
R7	2-09	Structure Excavation Class A Incl. Haul	CY	600	\$ 60.00	\$ 36,000.00	\$ 57.00	\$ 34,200.00			
R8	2-09	Gravel Backfill for Walls	TN	700	\$ 45.00	\$ 31,500.00	\$ 50.00	\$ 35,000.00			
R9	2-12	Construction Geotextile for Underground Drainage	SY	9,000	\$ 10.00	\$ 90,000.00	\$ 1.50	\$ 13,500.00			
R10	2-14	Remove Existing Pavement, Type I, Class A2	SY	670	\$ 10.00	\$ 6,700.00	\$ 7.00	\$ 4,690.00			
R11	2-14	Remove Existing Pavement, Type I, Class A6	SY	13,670	\$ 10.00	\$ 136,700.00	\$ 10.00	\$ 136,700.00			
R12	2-14	Remove Existing Pavement, Type I, Class C6	SY	2,180	\$ 25.00	\$ 54,500.00	\$ 12.00	\$ 26,160.00			
R13	2-15	Remove Curb	LF	600	\$ 15.00	\$ 9,000.00	\$ 6.00	\$ 3,600.00			
R14	4-04	Crushed Surfacing Top Course	TN	310	\$ 45.00	\$ 13,950.00	\$ 60.00	\$ 18,600.00			
R15	4-04	Crushed Surfacing Base Course	TN	100	\$ 45.00	\$ 4,500.00	\$ 60.00	\$ 6,000.00			
R16	4-04	Permeable Ballast	TN	6,000	\$ 45.00	\$ 270,000.00	\$ 59.00	\$ 354,000.00			
R17	4-04	Recycled Concrete Aggregate	TN	5,200	\$ 45.00	\$ 234,000.00	\$ 40.00	\$ 208,000.00			
R18	5-04	Planing Bituminous Pavement	SY	200	\$ 25.00	\$ 5,000.00	\$ 40.00	\$ 8,000.00			
R19	5-04	Temporary Pavement Patch	TN	300	\$ 200.00	\$ 60,000.00	\$ 150.00	\$ 45,000.00			
R20	5-04	Fiber Reinforced HMA Cl. 3/8" PG 58H-22	TN	110	\$ 200.00	\$ 22,000.00	\$ 280.00	\$ 30,800.00			
R21	5-04	HMA for Approach Cl. 3/8" PG 58H-22	SY	160	\$ 200.00	\$ 32,000.00	\$ 100.00	\$ 16,000.00			
R22	5-04	Fiber Reinforced HMA CL 1/2" PG 58H-22	TN	1,100	\$ 150.00	\$ 165,000.00	\$ 190.00	\$ 209,000.00			
R23	5-04	Fiber Reinforced HMA CL 1" PG 58H-22	TN	1,600	\$ 150.00	\$ 240,000.00	\$ 190.00	\$ 304,000.00			
R24	7-05	Adjust Existing Valve Chamber to Grade	EA	25	\$ 1,000.00	\$ 25,000.00	\$ 800.00	\$ 20,000.00			
R25	8-01	Inlet Protection	EA	37	\$ 100.00	\$ 3,700.00	\$ 40.00	\$ 1,480.00			
R26	8-01	Silt Fence	LF	1,000	\$ 10.00	\$ 10,000.00	\$ 5.00	\$ 5,000.00			
R27	8-01	High Visibility Silt Fence	LF	1,000	\$ 10.00	\$ 10,000.00	\$ 3.50	\$ 3,500.00			
R28	8-02	Topsoil Type A	CY	1,100	\$ 70.00	\$ 77,000.00	\$ 50.00	\$ 55,000.00			
R29	8-02	Topsoil Type A Modified	CY	600	\$ 200.00	\$ 120,000.00	\$ 52.00	\$ 31,200.00			
R30	8-02	Seeded Lawn Installation - Low-Growing Turf Seed Mix	SY	3,130	\$ 10.00	\$ 31,300.00	\$ 1.20	\$ 3,756.00			
R31	8-02	Seeded Lawn Installation - Sun/Shade Seed Mix	SY	520	\$ 10.00	\$ 5,200.00	\$ 2.10	\$ 1,092.00			
R32	8-02	PSIPE T1 Garry oak (Quercus garryana)	EA	15	\$ 600.00	\$ 9,000.00	\$ 480.00	\$ 7,200.00			
R33	8-02	PSIPE T2 Pacific madrone (Abutus menziesii)	EA	16	\$ 600.00	\$ 9,600.00	\$ 160.00	\$ 2,560.00			
R34	8-02	PSIPE T3 Vine maple (Acer circirnatum)	EA	36	\$ 600.00	\$ 21,600.00	\$ 200.00	\$ 7,200.00			
R35	8-02	PSIPE T4 Sourwood (Oxydendrum arboreum)	EA	22	\$ 600.00	\$ 13,200.00	\$ 460.00	\$ 10,120.00			
R36	8-02	PSIPE T5 Japanese white pine (Pinus parviflora)	EA	24	\$ 600.00	\$ 14,400.00	\$ 460.00	\$ 11,040.00			
R37	8-02	PSIPE T6 Dwarf Katsura tree (Cercidiphyllum japonicum)	EA	22	\$ 600.00	\$ 13,200.00	\$ 460.00	\$ 10,120.00			
R38	8-02	PSIPE T7 Emerald Green Arborvitae (Thuja occidentalis)	EA	17	\$ 600.00	\$ 10,200.00	\$ 200.00	\$ 3,400.00			
R39	8-02	Wood Chip Mulch	CY	500	\$ 60.00	\$ 30,000.00	\$ 62.00	\$ 31,000.00			
R40	8-02	Root Barrier	LF	2,300	\$ 10.00	\$ 23,000.00	\$ 13.00	\$ 29,900.00			
R41	8-04	Cement Conc. Traffic Curb and Gutter	LF	4,500	\$ 40.00	\$ 180,000.00	\$ 19.00	\$ 85,500.00	100		\$ 4,000.00
R42	8-04	Cement Conc. Traffic Curb	LF	900	\$ 35.00	\$ 31,500.00	\$ 32.00	\$ 28,800.00			
R43	8-04	Cement Conc. Valley Gutter	LF	900	\$ 40.00	\$ 36,000.00	\$ 32.00	\$ 28,800.00			

EXHIBIT-A
Project Breakdown Estimate

Secondary Agreement for Joint
PW24-0291F-TW2020-36

Description: Sheridan Arterial Imp Ph 1
Specification No.: PW24-0291F
Bid Opening: 2/25/2025

					ENGINEER'S ESTIMATE		Low Bidder R.L. Alia Company		Water Responsibility		
Item	Spec #	Description	Unit	Quantity	Unit Price	Amount	Unit Price	Amount	QTY.	(%)	Amount
R44	8-04	Pedestrian Curb	LF	300	\$ 20.00	\$ 6,000.00	\$ 20.00	\$ 6,000.00			
R45	8-06	Cement Conc. Driveway Entrance	SY	1,430	\$ 100.00	\$ 143,000.00	\$ 68.00	\$ 97,240.00			
R46	8-09	Raised Pavement Marker Type 2	HUND	2	\$ 600.00	\$ 1,200.00	\$ 1,000.00	\$ 2,000.00			
R47	8-11	Beam Guardrail Type 31 - Thrie Beam	LF	25	\$ 500.00	\$ 12,500.00	\$ 320.00	\$ 8,000.00			
R48	8-11	Beam Guardrail Anchor Type 11	EA	2	\$ 4,000.00	\$ 8,000.00	\$ 4,000.00	\$ 8,000.00			
R49	8-12	Chain Link Fence Type 4	LF	2,065	\$ 70.00	\$ 144,550.00	\$ 30.00	\$ 61,950.00			
R50	8-12	Chain Link Fence Type 3	LF	200	\$ 80.00	\$ 16,000.00	\$ 50.00	\$ 10,000.00			
R51	8-12	Privacy Slats for Chain-link Fence Type 3	LF	200	\$ 20.00	\$ 4,000.00	\$ 12.00	\$ 2,400.00			
R52	8-13	Poured Monument	EA	4	\$ 1,000.00	\$ 4,000.00	\$ 500.00	\$ 2,000.00			
R53	8-14	Cement Conc. Sidewalk	SY	4,600	\$ 70.00	\$ 322,000.00	\$ 48.00	\$ 220,800.00			
R54	8-14	Cement Conc. Curb Ramp	EA	30	\$ 3,000.00	\$ 90,000.00	\$ 2,100.00	\$ 63,000.00			
R55	8-15	Quarry Spalls	TN	40	\$ 50.00	\$ 2,000.00	\$ 100.00	\$ 4,000.00			
R56	8-18	Mailbox Support	EA	3	\$ 1,000.00	\$ 3,000.00	\$ 600.00	\$ 1,800.00			
R57	8-22	Plastic Line	LF	5,300	\$ 4.00	\$ 21,200.00	\$ 1.80	\$ 9,540.00			
R58	8-22	Plastic Wide Line	LF	160	\$ 6.00	\$ 960.00	\$ 5.00	\$ 800.00			
R59	8-22	Plastic Crosswalk Line	LF	840	\$ 10.00	\$ 8,400.00	\$ 12.00	\$ 10,080.00			
R60	8-22	Plastic Stop Line	LF	190	\$ 7.50	\$ 1,425.00	\$ 20.00	\$ 3,800.00			
R61	8-23	Temporary Pavement Marking - Short Duration	LF	2,500	\$ 1.00	\$ 2,500.00	\$ 1.60	\$ 4,000.00			
R62	8-27	Segmental Concrete Block Wall	SF	2,400	\$ 60.00	\$ 144,000.00	\$ 42.00	\$ 100,800.00			
R63	8-27	Geogrid Reinforcement	SY	900	\$ 10.00	\$ 9,000.00	\$ 10.00	\$ 9,000.00			
R64	8-33	Cement Conc. Stairway	LF	10	\$ 500.00	\$ 5,000.00	\$ 800.00	\$ 8,000.00			
R65	8-33	Hand Rail	LF	10	\$ 200.00	\$ 2,000.00	\$ 800.00	\$ 8,000.00			
SubTotal Group R: R1-R65						\$ 3,477,035.00		\$ 2,987,508.00			\$ 4,000.00
Group R-Roadway Force Account Items: R66-R70											
R66	1-04, 1-09	Minor Change	EST	1	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00			
R67	1-10	Work Zone Safety Contingency	EST	1	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00			
R68	2-01	Certified Arborist Assessment Report Compliance	EST	1	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00			
R69	2-02	Existing Irrigation Systems	EST	1	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00			
R70	2-03	Field Adjustments	EST	1	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00			
SubTotal Force Account Group R: R66-R70						\$ 100,000.00		\$ 100,000.00			\$ -
Total Group R						\$ 3,577,035.00		\$ 3,087,508.00			\$ 4,000.00
Group L-Lump Sum Items: L1-L23											
L1	1-05.3(6)	Project Red Line Drawings	LS	1	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00			
L2	1-05.4	Roadway Surveying	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 70,000.00	\$ 70,000.00			
L3	1-07.15(1)	SPCC Plan	LS	1	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00		13.26%	\$ 132.63
L4	1-09.7	Mobilization	LS	1	\$ 400,000.00	\$ 400,000.00	\$ 444,000.00	\$ 444,000.00			
L5	1-10	Pedestrian Traffic Control	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 10,000.00	\$ 10,000.00			
L6	1-10	Project TemporaryTraffic Control	LS	1	\$ 400,000.00	\$ 400,000.00	\$ 200,000.00	\$ 200,000.00			
L7	2-01	Clearing and Grubbing	LS	1	\$ 70,000.00	\$ 70,000.00	\$ 75,000.00	\$ 75,000.00			

EXHIBIT-A
Project Breakdown Estimate

Secondary Agreement for Joint
PW24-0291F-TW2020-36

Description: Sheridan Arterial Imp Ph 1
Specification No.: PW24-0291F
Bid Opening: 2/25/2025

					ENGINEER'S ESTIMATE		Low Bidder R.L. Alia Company		Water Responsibility		
Item	Spec #	Description	Unit	Quantity	Unit Price	Amount	Unit Price	Amount	QTY.	(%)	Amount
L8	2-01	Certified Arborist	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 3,000.00	\$ 3,000.00			
L9	2-02	Removal of Structures and Obstructions	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 50,000.00	\$ 50,000.00			
L10	2-06	Subgrade Maintenance and Protection	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 24,000.00	\$ 24,000.00			
L11	2-09	Shoring or Extra Excavation Cl. A	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 1,800.00	\$ 1,800.00			
L12	7-08	Temporary Storm Sewer Bypass Plan	LS	1	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00			
L13	7-08	Temporary Storm Sewer Bypass	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 1,000.00	\$ 1,000.00			
L14	8-01	Erosion Control and Water Pollution Prevention	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 40,000.00	\$ 40,000.00		13.26%	\$ 5,305.33
L15	8-01	NPDES Construction Stormwater General Permit	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 3,500.00	\$ 3,500.00		13.26%	\$ 464.22
L16	8-01	Stormwater Pollution Prevention Plan (SWPPP)	LS	1	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00		13.26%	\$ 265.27
L17	8-02	Roadside Restoration	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 20,000.00	\$ 20,000.00			
L18	8-03	Irrigation Plan	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 5,200.00	\$ 5,200.00			
L19	8-03	Irrigation System	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 25,000.00	\$ 25,000.00			
L20	8-20	Illumination System	LS	1	\$ 40,000.00	\$ 40,000.00	\$ 64,000.00	\$ 64,000.00			
L21	8-20	Traffic Signal System , 72nd & Sheridan	LS	1	\$ 170,000.00	\$ 170,000.00	\$ 70,000.00	\$ 70,000.00			
L22	8-20	Pedestrian-Activated Crosswalk Beacon	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 32,000.00	\$ 32,000.00			
L23	8-21	Permanent Signing	LS	1	\$ 30,000.00	\$ 30,000.00	\$ 18,000.00	\$ 18,000.00			
Total Group L						\$ 1,424,000.00		\$ 1,162,500.00			\$ 6,167.45

Group SD-Storm Drain Items: SD1-SD27											
SD1	2-09	Structure Excavation Class B Incl. Haul	CY	3,500	\$ 40.00	\$ 140,000.00	\$ 38.00	\$ 133,000.00			
SD2	2-09	Shoring or Extra Excavation Class B	SF	24,000	\$ 2.00	\$ 48,000.00	\$ 0.40	\$ 9,600.00			
SD3	2-16	Remove Catch Basin	EA	9	\$ 1,000.00	\$ 9,000.00	\$ 500.00	\$ 4,500.00			
SD4	2-16	Remove Manhole	EA	1	\$ 2,000.00	\$ 2,000.00	\$ 1,000.00	\$ 1,000.00			
SD5	7-05	Adjust Existing Manhole, Furnish new Frame and Cover	EA	3	\$ 1,500.00	\$ 4,500.00	\$ 1,800.00	\$ 5,400.00			
SD6	7-05	Adjust Existing Manhole, new Manhole Section, Cone, Ring, Frame and Cover	EA	3	\$ 5,000.00	\$ 15,000.00	\$ 3,500.00	\$ 10,500.00			
SD7	7-05	Connect New Sewer Pipe 12-In. Diam. to Existing Structure	EA	2	\$ 1,000.00	\$ 2,000.00	\$ 1,800.00	\$ 3,600.00			
SD8	7-05	Reconnect Existing Sewer Pipe, 8-In. Diam., to New Structure	EA	1	\$ 1,000.00	\$ 1,000.00	\$ 5,000.00	\$ 5,000.00			
SD9	7-05	Concrete Inlet	EA	11	\$ 1,000.00	\$ 11,000.00	\$ 2,200.00	\$ 24,200.00			
SD10	7-05	Catch Basin Type 1	EA	27	\$ 1,500.00	\$ 40,500.00	\$ 2,400.00	\$ 64,800.00			
SD11	7-05	Catch Basin Type 2, 48-In. Diam.	EA	1	\$ 3,000.00	\$ 3,000.00	\$ 3,600.00	\$ 3,600.00			
SD12	7-05	Manhole 48-In. Diam. Type 1	EA	6	\$ 3,500.00	\$ 21,000.00	\$ 5,500.00	\$ 33,000.00			
SD13	7-05	Manhole 48-In. Diam. Type 3	EA	2	\$ 3,500.00	\$ 7,000.00	\$ 5,500.00	\$ 11,000.00			
SD14	7-05	Manhole 60-In. Diam. Type 1	EA	4	\$ 7,000.00	\$ 28,000.00	\$ 7,400.00	\$ 29,600.00			
SD15	7-05	Manhole 72-In. Diam. Type 3	EA	2	\$ 10,000.00	\$ 20,000.00	\$ 9,900.00	\$ 19,800.00			
SD16	7-05	Manhole 84-In. Diam. Type 3, with Cast-in-Place Base	EA	1	\$ 20,000.00	\$ 20,000.00	\$ 40,000.00	\$ 40,000.00			
SD17	7-08	CDF for Pipe Abandonment	CY	40	\$ 50.00	\$ 2,000.00	\$ 200.00	\$ 8,000.00			
SD18	7-17	PVC Storm Sewer Pipe 24 In. Diam.	LF	1,130	\$ 200.00	\$ 226,000.00	\$ 220.00	\$ 248,600.00			
SD19	7-17	PVC Storm Sewer Pipe 18 In. Diam.	LF	700	\$ 150.00	\$ 105,000.00	\$ 185.00	\$ 129,500.00			
SD20	7-17	PVC Storm Sewer Pipe 12 In. Diam.	LF	1,200	\$ 100.00	\$ 120,000.00	\$ 90.00	\$ 108,000.00			
SD21	7-17	PVC Storm Sewer Pipe 8 In. Diam.	LF	300	\$ 80.00	\$ 24,000.00	\$ 90.00	\$ 27,000.00			
SD22	7-17	Ductile Iron Storm Sewer Pipe 12 In. Diam.	LF	34	\$ 200.00	\$ 6,800.00	\$ 200.00	\$ 6,800.00			
SD23	7-17	Ductile Iron Storm Sewer Pipe 8 In. Diam.	LF	20	\$ 200.00	\$ 4,000.00	\$ 200.00	\$ 4,000.00			

EXHIBIT-A
Project Breakdown Estimate

Secondary Agreement for Joint
PW24-0291F-TW2020-36

Description: Sheridan Arterial Imp Ph 1
Specification No.: PW24-0291F
Bid Opening: 2/25/2025

					ENGINEER'S ESTIMATE		Low Bidder R.L. Alia Company		Water Responsibility		
Item	Spec #	Description	Unit	Quantity	Unit Price	Amount	Unit Price	Amount	QTY.	(%)	Amount
SD24	7-17	Testing Sewer Pipe	LF	3,384	\$ 10.00	\$ 33,840.00	\$ 3.00	\$ 10,152.00			
SD25	7-17	TV Inspection	LF	3,384	\$ 10.00	\$ 33,840.00	\$ 7.00	\$ 23,688.00			
SD26	7-17	Removal and Replacement of Unsuitable Material	CY	1,900	\$ 50.00	\$ 95,000.00	\$ 65.00	\$ 123,500.00			
SD27	7-20	Residential Storm Drain Through Curb	EA	14	\$ 2,500.00	\$ 35,000.00	\$ 600.00	\$ 8,400.00			
Total Group SD						\$ 1,057,480.00		\$ 1,096,240.00			

Group W-Water Items: W1-W46											
W1		Removal/Disposal of existing asphalt, concrete sidewalk/curbing & concrete pavement. Includes all thicknesses and combinations (2-02.3(3))	SY	1,087	\$ 25.00	\$ 27,175.00	\$ 8.00	\$ 8,696.00		100.00%	\$ 8,696.00
W2		Temporary HMA Class ½" PG58-22, 2-inch minimum depth, installed & removed (5-04 & 9-03.8)	SY	1,087	\$ 25.00	\$ 27,175.00	\$ 18.00	\$ 19,566.00		100.00%	\$ 19,566.00
W3		HMA CI ½" PG58-22 pavement for permanent trench patch (5-04 & 9-03.8)-6" in Depth	TN	20	\$ 175.00	\$ 3,500.00	\$ 190.00	\$ 3,800.00		100.00%	\$ 3,800.00
W4		Crushed Surfacing Top Course for trench backfill as directed by the Inspector. (7-09.5 & 9-03.9(3))	TN	2,624	\$ 25.00	\$ 65,600.00	\$ 32.00	\$ 83,968.00		100.00%	\$ 83,968.00
W5		Crushed Surfacing Top Course for street restoration as directed by the Inspector. (7-09.5 & 9-03.9(3))	TN	30	\$ 25.00	\$ 750.00	\$ 60.00	\$ 1,800.00		100.00%	\$ 1,800.00
W6		Storm, Sanitary, Side Sewer Restoration (7-04,7-09.5, 7-17, & 7-18)	EA	15	\$ 1,000.00	\$ 15,000.00	\$ 300.00	\$ 4,500.00		100.00%	\$ 4,500.00
W7		Trench Excavation & Disposal (7-09.3(7) & 7-09.5)	CY	1,763	\$ 25.00	\$ 44,075.00	\$ 35.00	\$ 61,705.00		100.00%	\$ 61,705.00
W8		Trench Shoring (7-09.3(7) & 7-09.5)	LF	3,260	\$ 1.00	\$ 3,260.00	\$ 1.00	\$ 3,260.00		100.00%	\$ 3,260.00
W9		12-inch Ductile Iron Pipe, Push-On Joint, ANSI/AWWA, C151, Special Class Thickness No. 52, to furnish, lay and test, (7-09.3(15)A, 7-09.5 & 9-30.1(1))	LF	167	\$ 125.00	\$ 20,875.00	\$ 130.00	\$ 21,710.00		100.00%	\$ 21,710.00
W10		8-inch Ductile Iron Pipe, Push-On Joint, ANSI/AWWA, C151, Special Class Thickness No. 52, to furnish, lay and test, (7-09.3(15)A, 7-09.5 & 9-30.1(1))	LF	2,885	\$ 80.00	\$ 230,800.00	\$ 97.00	\$ 279,845.00		100.00%	\$ 279,845.00
W11		6-inch Ductile Iron Pipe, Push-On Joint, ANSI/AWWA, C151, Special Class Thickness No. 52, to furnish, lay and test, (7-09.3(15)A, 7-09.5 & 9-30.1(1))	LF	208	\$ 70.00	\$ 14,560.00	\$ 82.00	\$ 17,056.00		100.00%	\$ 17,056.00
W12		12-inch x 8-inch Ductile Iron Reducer, 2-B, M.J., w/ anchor, installed (7-05.9 & 9-30.2(1))	EA	1	\$ 425.00	\$ 425.00	\$ 400.00	\$ 400.00		100.00%	\$ 400.00
W13		8-inch x 6-inch Ductile Iron Reducer, 2-B, M.J., w/ anchor, installed (7-05.9 & 9-30.2(1))	EA	1	\$ 400.00	\$ 400.00	\$ 400.00	\$ 400.00		100.00%	\$ 400.00
W14		12-inch Ductile Iron Cross, 3-B, M.J., installed (9-30.2(1))	EA	1	\$ 1,795.00	\$ 1,795.00	\$ 1,300.00	\$ 1,300.00		100.00%	\$ 1,300.00
W15		12-inch x 6-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	EA	1	\$ 825.00	\$ 825.00	\$ 700.00	\$ 700.00		100.00%	\$ 700.00
W16		8-inch x 6-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	EA	8	\$ 500.00	\$ 4,000.00	\$ 650.00	\$ 5,200.00		100.00%	\$ 5,200.00
W17		6-inch Ductile Iron blind flange., installed (9-30.2(1))	EA	1	\$ 200.00	\$ 200.00	\$ 300.00	\$ 300.00		100.00%	\$ 300.00
W18		12-inch Ductile Iron Ell, M.J., 45°, installed. (7-09, & 9-30.2(1))	EA	7	\$ 725.00	\$ 5,075.00	\$ 500.00	\$ 3,500.00		100.00%	\$ 3,500.00
W19		12-inch Ductile Iron Ell, M.J., 22 1/2°, installed. (7-09, & 9-30.2(1))	EA	1	\$ 625.00	\$ 625.00	\$ 500.00	\$ 500.00		100.00%	\$ 500.00
W20		8-inch Ductile Iron Ell, M.J., 45°, installed. (7-09, & 9-30.2(1))	EA	2	\$ 525.00	\$ 1,050.00	\$ 450.00	\$ 900.00		100.00%	\$ 900.00
W21		6-inch Ductile Iron Ell, M.J., 45°, installed. (7-09, & 9-30.2(1))	EA	2	\$ 225.00	\$ 450.00	\$ 450.00	\$ 900.00		100.00%	\$ 900.00

EXHIBIT-A
Project Breakdown Estimate

Secondary Agreement for Joint
PW24-0291F-TW2020-36

Description: Sheridan Arterial Imp Ph 1
Specification No.: PW24-0291F
Bid Opening: 2/25/2025

					ENGINEER'S ESTIMATE		Low Bidder R.L. Alia Company		Water Responsibility		
Item	Spec #	Description	Unit	Quantity	Unit Price	Amount	Unit Price	Amount	QTY.	(%)	Amount
W22		6-inch Ductile Iron Ell, M.J., 22 1/2°, installed. (7-09, & 9-30.2(1))	EA	2	\$ 200.00	\$ 400.00	\$ 350.00	\$ 700.00		100.00%	\$ 700.00
W23		12-inch Ductile Iron Solid Sleeve (Long Pattern) M.J., installed. (7-09.5, & 9-30.2(1))	EA	1	\$ 675.00	\$ 675.00	\$ 500.00	\$ 500.00		100.00%	\$ 500.00
W24		12-inch Transition Coupling with 7-inch center ring, epoxy coating, and stainless steel bolts, C.I. to D.I., installed (7-09.3(19)A, 7-09.5 & 9-30.2(7))	EA	3	\$ 1,500.00	\$ 4,500.00	\$ 600.00	\$ 1,800.00		100.00%	\$ 1,800.00
W25		8-inch Transition Coupling with 7-inch center ring, epoxy coating, and stainless steel bolts, C.I. to D.I., installed (7-09.3(19)A, 7-09.5 & 9-30.2(7))	EA	1	\$ 1,400.00	\$ 1,400.00	\$ 400.00	\$ 400.00		100.00%	\$ 400.00
W26		6-inch Transition Coupling with 7-inch center ring, epoxy coating, and stainless steel bolts, C.I. to D.I., installed (7-09.3(19)A, 7-09.5 & 9-30.2(7))	EA	2	\$ 800.00	\$ 1,600.00	\$ 400.00	\$ 800.00		100.00%	\$ 800.00
W27		12-inch Ductile Iron Cap, M.J., tapped 2", installed and removed (9-30.2(1) & 7-09.5)	EA	6	\$ 425.00	\$ 2,550.00	\$ 350.00	\$ 2,100.00		100.00%	\$ 2,100.00
W28		6-inch Ductile Iron Cap, M.J., tapped 2", installed and removed (9-30.2(1) & 7-09.5)	EA	5	\$ 185.00	\$ 925.00	\$ 350.00	\$ 1,750.00		100.00%	\$ 1,750.00
W29		6-inch Ductile Iron Plug, M.J., installed (7-09.5 & 9-30.2(1))	EA	1	\$ 80.00	\$ 80.00	\$ 350.00	\$ 350.00		100.00%	\$ 350.00
W30		Temporary 2-inch Blow-Off Assembly, installed and removed (Dwg. 17-56-1) (7-09.3(22) & 7-09.5)	EA	12	\$ 500.00	\$ 6,000.00	\$ 1,500.00	\$ 18,000.00		100.00%	\$ 18,000.00
W31		12-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	EA	15	\$ 235.00	\$ 3,525.00	\$ 225.00	\$ 3,375.00		100.00%	\$ 3,375.00
W32		6-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	EA	44	\$ 100.00	\$ 4,400.00	\$ 110.00	\$ 4,840.00		100.00%	\$ 4,840.00
W33		Concrete Thrust Anchor, installed. (7-09.3(21) & 7-09.5)	EA	16	\$ 750.00	\$ 12,000.00	\$ 500.00	\$ 8,000.00		100.00%	\$ 8,000.00
W34		Temporary Concrete Thrust Anchor, installed and removed (7-09.3(21) & 7-09.5)	EA	13	\$ 500.00	\$ 6,500.00	\$ 300.00	\$ 3,900.00		100.00%	\$ 3,900.00
W35		Trench Compaction Test (as directed by the Inspector) (7-09.3(11) & 7-09.5)	EA	65	\$ 150.00	\$ 9,750.00	\$ 500.00	\$ 32,500.00		100.00%	\$ 32,500.00
W36		12-inch Butterfly Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box (7-12 & 9.30.3)	EA	2	\$ 2,050.00	\$ 4,100.00	\$ 3,400.00	\$ 6,800.00		100.00%	\$ 6,800.00
W37		8-inch Gate Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box (7-12 & 9.30.3)	EA	7	\$ 1,975.00	\$ 13,825.00	\$ 3,000.00	\$ 21,000.00		100.00%	\$ 21,000.00
W38		6-inch Gate Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box (7-12 & 9.30.3)	EA	9	\$ 1,250.00	\$ 11,250.00	\$ 2,400.00	\$ 21,600.00		100.00%	\$ 21,600.00
W39		6-inch Hydrant, M.J., 4.5-ft bury, with 4-inch Tacoma Standard Threads & 5-inch Quick Coupling (7-14 & 9-30.5(2))	EA	3	\$ 4,800.00	\$ 14,400.00	\$ 6,300.00	\$ 18,900.00		100.00%	\$ 18,900.00
W40		6-inch Hydrant, M.J., 5.0-ft bury, with 4-inch Tacoma Standard Threads & 5-inch Quick Coupling (7-14 & 9-30.5(2))	EA	2	\$ 4,950.00	\$ 9,900.00	\$ 6,300.00	\$ 12,600.00		100.00%	\$ 12,600.00
W41		6-inch Hydrant, M.J., 5.5-ft bury, with 4-inch Tacoma Standard Threads & 5-inch Quick Coupling (7-14 & 9-30.5(2))	EA	2	\$ 5,100.00	\$ 10,200.00	\$ 6,300.00	\$ 12,600.00		100.00%	\$ 12,600.00
W42		Street cleaning with Self-propelled Pickup and Vacuum Street Sweeper Equipment. (8-01.3(8))	HR	40	\$ 250.00	\$ 10,000.00	\$ 250.00	\$ 10,000.00		100.00%	\$ 10,000.00
W43		Test Holes (See Special Provisions). (7-09.3(6) & 7-09.5)	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00		100.00%	\$ 5,000.00
W44		Project Temporary Traffic Control (1-10)	LS	1	\$ 41,000.00	\$ 41,000.00	\$ 15,000.00	\$ 15,000.00		100.00%	\$ 15,000.00

EXHIBIT-A
Project Breakdown Estimate

Secondary Agreement for Joint
PW24-0291F-TW2020-36

Description: Sheridan Arterial Imp Ph 1
Specification No.: PW24-0291F
Bid Opening: 2/25/2025

					ENGINEER'S ESTIMATE		Low Bidder R.L. Alia Company		Water Responsibility		
Item	Spec #	Description	Unit	Quantity	Unit Price	Amount	Unit Price	Amount	QTY.	(%)	Amount
W45		Mobilization (1-09.7)	LS	1	\$ 64,000.00	\$ 64,000.00	\$ 35,000.00	\$ 35,000.00		100.00%	\$ 35,000.00
W46		Force Account (1-09.6)	EST	1	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00		100.00%	\$ 60,000.00

SubTotal, Group WA				\$ 765,595.00		\$ 817,521.00	
Sales Tax, 10.3%				\$ 78,856.29		\$ 84,204.66	
Total, Group WA				\$ 844,451.29		\$ 901,725.66	\$ 817,521.00

Group R Total				\$ 3,577,035.00		\$ 3,087,508.00
Group L Total				\$ 1,424,000.00		\$ 1,162,500.00
Group SD Total				\$ 1,057,480.00		\$ 1,096,240.00
Group W Total; Not Including Sales Tax				\$ 765,595.00		\$ 817,521.00
TOTAL BASE BID (Not Including Sales Tax)				\$ 6,824,110.00		\$ 6,163,769.00
Sales Tax, 10.3%				\$ 78,856.29		\$ 84,204.66

TOTAL BASE BID plus SALES TAX				\$ 6,902,966.29		\$ 6,247,973.66
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Water Percentage	13.26%
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Tacoma Water Estimated Cost Share Summary		
Item	Description	Amount
A	Water Bid from Group W (less Tax)	\$ 817,521.00
B	Shared PW Cost From Group R & L	\$ 10,167.45
C	Total Water Costs (Less Tax): A+B	\$ 827,688.45
D	Admin Costs (3% less FA)	\$ 23,030.65
	(C - \$60,000) x 3%	
E	Cumulative Total (less tax, less contingency): C+D	\$ 850,719.10