



RESOLUTION NO. U-11522

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' Water Ditch Trail 3B Project contract for the replacement and
4 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 1908 and 1948, in partnership with the Department of Public Works, as part of
8 the Department of Public Works' Water Ditch Trail 3B Project (the "3B Project"),
9 and

10 WHEREAS the 3B Project is the second phase of the Water Ditch Trail
11 project, in which the first phase, the Water Ditch Trail 3A Project, was
12 completed in December of 2024, along W. Tacoma Way, between S. Wilkeson
13 St. and Sawyer St., and

14 WHEREAS the 3B Project will include roadway improvements,
15 storm/sewer upgrades, construction of sidewalks and ADA compliant ramps,
16 signalization upgrades, illumination upgrades, and landscaping upgrades, and

17 WHEREAS Tacoma Water proposes replacing and installing
18 approximately 3,200 lineal feet of 12-inch water main along S. Tacoma Way,
19 between S. Pine and S. Sprague Ave., and

20 WHEREAS the total project cost is \$1,033,344.16, plus a 15 percent
21 contingency, for a cumulative total of \$1,188,345.78, plus applicable taxes, and

22 WHEREAS Tacoma Water believes it is in the best interest of the utility
23 and its customers to include the water main work as part of the 3B Project, and
24
25
26



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

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' Water Ditch Trail 3B Project to replace and install water main, in the amount of \$1,033,344.16, plus a 15 percent contingency, for a cumulative total of \$1,188,345.78, 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:

/s/

Chief Deputy City Attorney

Chair

Secretary

Clerk

Adopted _____



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:

Authorize Tacoma Water to participate in the City of Tacoma, Department of Public Works, Water Ditch Trail 3B Project. Tacoma Water proposes to replace approximately 3,200 lineal feet of 12-inch water main along S. Tacoma Way, between S. Pine St. and S. Sprague Ave.

Total project cost is \$1,033,344.16 plus a 15 percent contingency, for a cumulative total of \$1,188,345.78 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 1908 and 1948 in a partnership with Public Works on their Water Ditch Trail 3B project. This project is the second phase of the Water Ditch Trail project, in which the first phase (Water Ditch Trail 3A) was completed in December of 2024. The first phase was along S. Tacoma Way, between S. Wilkeson St. and Sawyer St.

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 additional background information regarding the Public Works portion of the project please refer to the attached Contract and Award Letter.



Board Action Memorandum

ISSUE: The existing water main in this area is approximately 77 years to 117 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

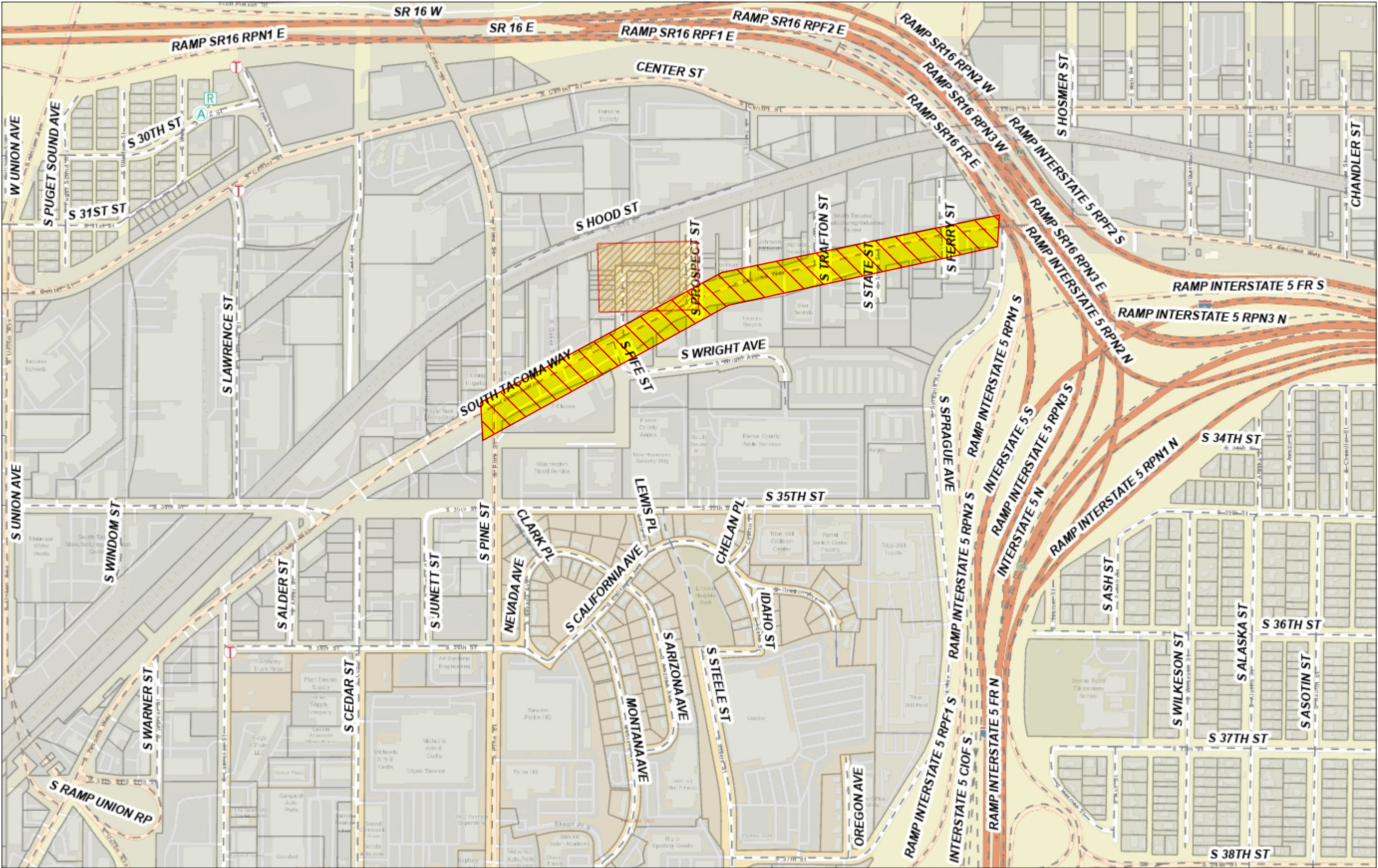
IF THE ACTION REQUESTED IS APPROVAL OF A CONTRACT, INCLUDE LANGUAGE IN RESOLUTION AUTHORIZING \$200,000 INCREASE IN ADMINISTRATIVE AUTHORITY TO DIRECTOR? Yes.

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 2022-0142 Water Ditch Trail 3B-MAP LOCATION



- Legend
- Cathodic Protection
 - Test Station
 - Rectifier
 - Anode
 - Sample Stations
 - Sample Stand
 - Chart Box
 - Sample Stand/Chart Box
 - Fence Gates
 - Super Fund Sites

1:8,701

1,450.1 0 725.07 1,450.1 Feet
WGS_1984_Web_Mercator_Auxiliary_Sphere
© Latitude Geographics Group Ltd.

 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

Notes
This map was automatically generated using Geocortex Essentials.



**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
Chris Storey, Project Engineer, Public Works Engineering
COPY: City Council, City Manager, City Clerk, EIC Coordinator, LEAP Coordinator, and
Carly Fowler, Senior Buyer, Finance/Purchasing .
SUBJECT: Historic Water Ditch Trail Phase IIIB (Pine Street to Sprague Avenue)_
Request for Bids Specification No.PW24-0164F, Contract No. CW2273002
April; 15, 2025 City Council
DATE: March 11, 2025

RECOMMENDATION SUMMARY: The Public Works Department recommends a contract be awarded to R.L. Alia Company, Renton, WA in the amount of \$6,748,119 plus a 10% contingency \$674,811 totaling \$7,422,930 plus applicable taxes budgeted in the Paths and Trails 1140 Fund for the construction of a shared use path along South Tacoma Way between Pine Street and Sprague Avenue.

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: During open houses held back in 2015 and 2017 along with an online survey the City requested input on the design of the final phase of the Water Ditch Trail. From these meetings a final option was successfully determined. This option removed one lane of travel from South Tacoma Way to install the shared use path on the northern side of the road, leaving two west bound lanes, a center turn lane, and one eastbound lane for vehicles. The project will also install street lighting, signal upgrades, trees, and a sidewalk on the south side of South Tacoma Way.

ISSUE: The project will be the last step of two to complete the Water Ditch Trail which runs from downtown Tacoma along South Tacoma Way to near South 74th Street. The project fills in western half of the gap in the trail network between M Street and Pine Street.

ALTERNATIVES: The alternative to building this section of the trail is to leave the street in its configuration and continue to have bikers and pedestrians navigate this unimproved section of South Tacoma Way.

COMPETITIVE SOLICITATION: Request for Bids Specification No. PW24-0164F was opened February 25, 2025. Fifteen companies were invited to bid in addition to normal advertising of the project. Six submittals were received.

R.L. Alia Company submitted a bid that resulted in the lowest evaluated submittal after consideration of DBE participation goals. The table below reflects the amount of the total award.



<u>Respondent (RFB)</u>	<u>Location</u> <i>(city and state)</i>	<u>Submittal Amount</u>
R.L. Alia Company	Renton, WA	\$6,748,119.00
Northwest Cascade, Inc.	Puyallup, WA	\$6,843,518.50
Ceccanti, Inc.	Tacoma, WA	\$7,057,614.00
Tucci & Sons, LLC	Tacoma, WA	\$7,078,645.70
Active Construction, Inc.	Puyallup, WA	\$7,151,803.88
Miles Resources LLC	Puyallup, WA	\$7,465,229.30

Pre-bid Estimate: \$7,275,733.00

The recommended award is 7.2 percent below the pre-bid estimate.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: The project will improve the City’s infrastructure and safety of residents by providing a new driving surface for motorized and non-motorized travel. ADA-compliant curb ramps will also be installed as part of the contract addressing social equity factors, including mobility, as well as ergonomic and human health impacts. Utility installation, upgrades, and maintenance will ensure utilities are operating at current and future demands.

EQUITY IN CONTRACTING (EIC) COMPLIANCE: Not applicable - includes federal funding - reference EIC Regulations Section 5

LOCAL EMPLOYMENT AND APPRENTICESHIP TRAINING PROGRAM (LEAP)
COMPLIANCE: Not Applicable.

DISADVANTAGED BUSINESS ENTERPRISE (DBE): The recommended contract is in compliance with 49 Code of Federal Regulations Part 26, per memorandum dated March 5, 2025]. The DBE goal for this project is 17 percent, and the DBE participation is 17 percent. The designated training hours for this project are 800 hours.



FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
1140 Paths & Trails Fund	PWK-00561-14-01	5330100	\$7,422,930
TOTAL			Up to \$7,422,930

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
Fund 1085 Streets Initiative	PWK-00561-FS-AD-02	6311108	(\$485,000)
STP Grant	PWK-00561-FS-AD-04	4333240	(\$3,316,860)
CRP(UL) Grant	PWK-00561-FS-AD-04	4333240	(\$934,080)
Tacoma Water Fund	WTR-00641-10-03	6311185	(\$1,033,344)
Metro Parks	PWK-00561-FS-AD-05	4337106	(\$132,000)
REET 1	PWK-00561-FS-AD-02	6311101	(\$1,521,646)
TOTAL			Up to (\$7,422,930)

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET \$7,422,930

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

IF EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW THEY ARE TO BE COVERED. NA



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

FROM: Chris Storey, P.E., Public Works Engineering Division ^{Initial} CS
Troy Saghafi, P.E., Professional Engineer, Tacoma Water Planning & Engineering ^{DS} TS

SUBJECT: Secondary Agreement for Joint Project PW-TW for Water Ditch Trail 3B project PW24-0164F/ MRP 2022-0142

DATE: March 7, 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 Water Ditch Trail 3B project as agreed upon in joint memorandum dated 12/1/2021 and signed on 1/3/2022.

The project is located along S. Tacoma Way., between S. Pine St. and S. Sprague St. Water infrastructure improvements include installing new 12-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 PW24-0164, 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.

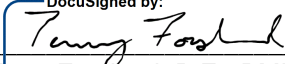
1. Tacoma Water will be responsible for the cost of water distribution main work, valves, hydrants, trench excavation, trench backfill and compaction to subgrade elevation, mobilization, traffic control, and other appurtenant items directly related to the installation of new water main. Costs for these items are in "Group WA" of the contract bid proposal. The estimated cost of "Group WA", including force account is \$979,082.00, plus taxes.
2. Tacoma Water will be responsible for a portion of selected Roadway bid items R58 (Group R) and Lump Sum Items L12, L13, and L14 (Group L) as noted in the Project Breakdown Estimate worksheet (see exhibit A).
 - o 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.
 - o The proportional amount of costs to be shared by Water is 14.51% of Lump Sum Group L Items.
 - o The total shared cost of Tacoma Water's responsibility from Group R and Group L bid items is estimated to be \$25,912.33.
 - o 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.

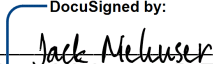
3. The Department of Public Works will administer the construction contract and provide construction management, contract administration, and construction inspection assistance.
 - o Tacoma Water will pay the Public Works Department contract administration fees associated with Tacoma Water's scope of 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 (\$1,004,994.33- \$60,000.00).
 - o The estimated cost for the Tacoma Water's portion of contract administration is \$28,349.83. 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 \$1,004,994.33, plus estimated contract administration cost of \$28,349.83 for a cumulative total estimate of \$1,033,344.16, plus applicable taxes.
 - o Payment by Tacoma Water will be made for the actual quantities and costs incurred.
 - o Tacoma Water has provided the following WBSE for charging these construction costs: WTR-00641-10-02 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 Forstund, P.E., PMP
Planning & Engineering Assistant Division Manager
Tacoma Water

03/11/2025

Date

DocuSigned by:

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

03/11/2025

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
PW24-0164F-TW2022-0142

Description: Water Ditch Trail Phase IIIB
Specification No.: PW24-0164F
Bid Opening: 2/25/2025

					ENGINEER'S ESTIMATE		Low Bidder R. L. Alia Company		Tacoma Waters Responsibility				
Item	Spec #	Description	Unit	Quantity	Unit Price		Amount		Unit Price	Amount	QTY.	(%)	Amount
Group R-Roadway Items: R1-R77													
R1	1-07.11	Training	HR	800	\$	15.00	\$	12,000.00	\$	4.00	\$	3,200.00	
R2	1-10	Portable Changeable Message Sign	HR	2,100	\$	3.00	\$	6,300.00	\$	3.00	\$	6,300.00	
R3	1-10	Uniformed Police Officer	HR	400	\$	140.00	\$	56,000.00	\$	175.00	\$	70,000.00	
R4	2-03	Roadway Excavation Incl. Haul	CY	6,800	\$	40.00	\$	272,000.00	\$	38.00	\$	258,400.00	
R5	2-03	Unsuitable Foundation Excavation Incl. Haul	CY	300	\$	100.00	\$	30,000.00	\$	48.00	\$	14,400.00	
R6	2-03	Gravel Borrow Incl. Haul	TN	670	\$	50.00	\$	33,500.00	\$	45.00	\$	30,150.00	
R7	2-09	Structure Excavation Class B Incl. Haul	CY	1,400	\$	40.00	\$	56,000.00	\$	38.00	\$	53,200.00	
R8	2-09	Shoring or Extra Excavation Class B	SF	11,870	\$	2.00	\$	23,740.00	\$	0.60	\$	7,122.00	
R9	2-09	Gravel Backfill for Walls	CY	610	\$	45.00	\$	27,450.00	\$	66.00	\$	40,260.00	
R10	2-14	Remove Existing Pavement, Class A2	SY	2,200	\$	10.00	\$	22,000.00	\$	7.00	\$	15,400.00	
R11	2-14	Remove Existing Pavement, Class A4	SY	2,500	\$	20.00	\$	50,000.00	\$	9.00	\$	22,500.00	
R12	2-14	Remove Existing Pavement, Class CA	SY	17,200	\$	20.00	\$	344,000.00	\$	28.00	\$	481,600.00	
R13	2-14	Remove Existing Pavement, Class C6	SY	2,600	\$	20.00	\$	52,000.00	\$	15.00	\$	39,000.00	
R14	2-14	Remove Existing Pavement, Class C12	SY	80	\$	100.00	\$	8,000.00	\$	50.00	\$	4,000.00	
R15	2-15	Remove Curb	LF	4,100	\$	10.00	\$	41,000.00	\$	4.50	\$	18,450.00	
R16	2-16	Remove Catch Basin	EA	14	\$	800.00	\$	11,200.00	\$	500.00	\$	7,000.00	
R17	2-16	Remove MH	EA	4	\$	1,200.00	\$	4,800.00	\$	1,000.00	\$	4,000.00	
R18	4-04	Recycled Concrete Aggregate	TN	6,000	\$	40.00	\$	240,000.00	\$	36.00	\$	216,000.00	
R19	4-04	Crushed Surfacing Top Course, per ton	TN	1,400	\$	60.00	\$	84,000.00	\$	60.00	\$	84,000.00	
R20	4-04	Crushed Surfacing Base Course	TN	100	\$	50.00	\$	5,000.00	\$	60.00	\$	6,000.00	
R21	5-04	Planing Bituminous Pavement	SY	1,900	\$	15.00	\$	28,500.00	\$	10.00	\$	19,000.00	
R22	5-04	HMA for Trail Edge Cl. 3/8" PG 58H-22	TN	120	\$	200.00	\$	24,000.00	\$	175.00	\$	21,000.00	
R23	5-04	Fiber Reinforced HMA CL 1/2" PG 58H-22	TN	2,200	\$	130.00	\$	286,000.00	\$	123.00	\$	270,600.00	
R24	5-04	Fiber Reinforced HMA CL 1" PG 58H-22	TN	2,700	\$	140.00	\$	378,000.00	\$	115.00	\$	310,500.00	
R25	5-04	Temporary Pavement Patch	TN	300	\$	150.00	\$	45,000.00	\$	160.00	\$	48,000.00	
R26	7-05	Adjust Monitoring Well to Grade	EA	5	\$	1,000.00	\$	5,000.00	\$	2,000.00	\$	10,000.00	
R27	7-05	Adjust Existing Water Valve Chamber to Grade	EA	23	\$	1,000.00	\$	23,000.00	\$	800.00	\$	18,400.00	
R28	7-05	Adjust Existing PSE Gas Valve Chamber to Grade	EA	12	\$	1,000.00	\$	12,000.00	\$	800.00	\$	9,600.00	
R29	7-05	Adjust Existing Manhole, Install new Frame and Cover	EA	22	\$	1,600.00	\$	35,200.00	\$	1,600.00	\$	35,200.00	
R30	7-05	Adjust Existing Catch Basin, Install new Frame and Grate	EA	12	\$	1,000.00	\$	12,000.00	\$	600.00	\$	7,200.00	
R31	7-05	Catch Basin Type 1	EA	35	\$	2,000.00	\$	70,000.00	\$	2,125.00	\$	74,375.00	
R32	7-05	Manhole 48-In. Diam. Type 1 with CIP Base	EA	1	\$	10,000.00	\$	10,000.00	\$	6,800.00	\$	6,800.00	
R33	7-05	Manhole 48-In. Diam.Type 3	EA	4	\$	8,000.00	\$	32,000.00	\$	5,800.00	\$	23,200.00	
R34	7-05	Manhole 60-In. Diam.Type 3	EA	3	\$	10,000.00	\$	30,000.00	\$	8,000.00	\$	24,000.00	
R35	7-05	Manhole 60-In. Diam.Type 1 with CIP Base	EA	1	\$	20,000.00	\$	20,000.00	\$	8,800.00	\$	8,800.00	
R36	7-05	Reconnect Existing Sewer Pipe, 8-In. Diam., to New Structure	EA	3	\$	3,000.00	\$	9,000.00	\$	1,000.00	\$	3,000.00	
R37	7-05	Connect New Sewer Pipe, 12-In. Diam., to Existing Structure	EA	12	\$	1,000.00	\$	12,000.00	\$	1,800.00	\$	21,600.00	
R38	7-08	Underground Utility Potholing	EA	20	\$	500.00	\$	10,000.00	\$	500.00	\$	10,000.00	
R39	7-08	CDF for Pipe Abandonment	CY	10	\$	200.00	\$	2,000.00	\$	300.00	\$	3,000.00	
R40	7-17	Ductile Iron Storm Sewer Pipe 12 In. Diam.	LF	210	\$	150.00	\$	31,500.00	\$	170.00	\$	35,700.00	
R41	7-17	PVC Storm Sewer Pipe 12 In. Diam.	LF	1,020	\$	100.00	\$	102,000.00	\$	115.00	\$	117,300.00	
R42	7-17	PVC Storm Sewer Pipe 18 In. Diam.	LF	250	\$	200.00	\$	50,000.00	\$	135.00	\$	33,750.00	
R43	7-17	PVC Storm Sewer Pipe 24 In. Diam.	LF	370	\$	300.00	\$	111,000.00	\$	165.00	\$	61,050.00	

EXHIBIT -A
Project Breakdown Estimate

Secondary Agreement for Joint
PW24-0164F-TW2022-0142

Description: Water Ditch Trail Phase IIIB
Specification No.: PW24-0164F
Bid Opening: 2/25/2025

					ENGINEER'S ESTIMATE		Low Bidder R. L. Alia Company		Tacoma Waters Responsibility				
Item	Spec #	Description	Unit	Quantity	Unit Price		Amount		Unit Price	Amount	QTY.	(%)	Amount
R44	7-17	Testing Sewer Pipe	LF	1,850	\$	5.00	\$	9,250.00	\$	3.00	\$	5,550.00	
R45	7-17	Television Inspection	LF	1,850	\$	15.00	\$	27,750.00	\$	7.00	\$	12,950.00	
R46	8-01	Inlet Protection	EA	73	\$	100.00	\$	7,300.00	\$	40.00	\$	2,920.00	
R47	8-02	Soil Amendment	CY	220	\$	80.00	\$	17,600.00	\$	88.00	\$	19,360.00	
R48	8-02	Topsoil Type A	CY	570	\$	100.00	\$	57,000.00	\$	78.00	\$	44,460.00	
R49	8-02	Seeded Lawn Installation	SY	1,500	\$	5.00	\$	7,500.00	\$	5.50	\$	8,250.00	
R50	8-02	Wood Chip Mulch	CY	100	\$	70.00	\$	7,000.00	\$	78.00	\$	7,800.00	
R51	8-02	PSIPE PP Japanese white pine (Pinus parviflora)	EA	31	\$	650.00	\$	20,150.00	\$	875.00	\$	27,125.00	
R52	8-02	PSIPE SP Japanese stewartia (Stewartia pseudocamellia)	EA	22	\$	650.00	\$	14,300.00	\$	875.00	\$	19,250.00	
R53	8-02	PSIPE FP Cascara (Frangula purshiana)	EA	22	\$	650.00	\$	14,300.00	\$	875.00	\$	19,250.00	
R54	8-02	PSIPE ZS Zelkova 'city sprite' (Zelkova serrata 'JFS-KWI' PP20996)	EA	22	\$	650.00	\$	14,300.00	\$	875.00	\$	19,250.00	
R55	8-02	caroliniana)	EA	20	\$	650.00	\$	13,000.00	\$	875.00	\$	17,500.00	
R56	8-02	PSIPE MA Amur maackia (Maackia amurensis)	EA	22	\$	650.00	\$	14,300.00	\$	875.00	\$	19,250.00	\$ -
R57	8-02	PSIPE CD Incense cedar (Calocedrus decurrens)	EA	2	\$	650.00	\$	1,300.00	\$	875.00	\$	1,750.00	
R58	8-04	Cement Conc. Traffic Curb and Gutter	LF	6,000	\$	40.00	\$	240,000.00	\$	19.00	\$	114,000.00	100 \$ 1,900.00
R59	8-04	Mountable Traffic Island Curb	LF	170	\$	100.00	\$	17,000.00	\$	80.00	\$	13,600.00	
R60	8-04	Cement Conc. Pedestrian Curb	LF	2,500	\$	35.00	\$	87,500.00	\$	20.00	\$	50,000.00	
R61	8-04	Wheel Stop	EA	40	\$	500.00	\$	20,000.00	\$	200.00	\$	8,000.00	
R62	8-06	Cement Conc. Commercial Driveway Entrance	SY	1,500	\$	120.00	\$	180,000.00	\$	65.00	\$	97,500.00	
R63	8-09	Raised Pavement Marker Type 2	HUND	4	\$	1,000.00	\$	4,000.00	\$	1,000.00	\$	4,000.00	
R64	8-13	Poured Monument	EA	7	\$	1,600.00	\$	11,200.00	\$	500.00	\$	3,500.00	
R65	8-14	Cement Conc. Sidewalk	SY	4,100	\$	75.00	\$	307,500.00	\$	45.00	\$	184,500.00	
R66	8-14	Cement Conc. Curb Ramp	EA	25	\$	3,500.00	\$	87,500.00	\$	2,200.00	\$	55,000.00	
R67	8-14	Storm Pipe through Concrete Curb	EA	2	\$	2,500.00	\$	5,000.00	\$	600.00	\$	1,200.00	
R68	8-15	Quarry Spalls	TN	20	\$	100.00	\$	2,000.00	\$	100.00	\$	2,000.00	
R69	8-22	Plastic Line	LF	18,000	\$	3.50	\$	63,000.00	\$	2.10	\$	37,800.00	
R70	8-22	Plastic Wide Line	LF	160	\$	8.00	\$	1,280.00	\$	10.00	\$	1,600.00	
R71	8-22	Plastic Crosswalk Line	LF	1,200	\$	12.00	\$	14,400.00	\$	10.00	\$	12,000.00	
R72	8-22	Plastic Stop Line	LF	130	\$	17.00	\$	2,210.00	\$	16.00	\$	2,080.00	
R73	8-22	Plastic Crosshatch Marking	LF	1,500	\$	27.00	\$	40,500.00	\$	11.00	\$	16,500.00	
R74	8-22	Plastic Traffic Arrow	EA	36	\$	500.00	\$	18,000.00	\$	305.00	\$	10,980.00	
R75	8-22	Plastic Traffic Letter	EA	12	\$	450.00	\$	5,400.00	\$	170.00	\$	2,040.00	
R76	8-22	Remove Paint Line	LF	4,000	\$	2.50	\$	10,000.00	\$	2.10	\$	8,400.00	
R77	8-23	Temporary Pavement Marking - Long Duration	LF	8,000	\$	1.50	\$	12,000.00	\$	3.00	\$	24,000.00	
SubTotal Group R: R1-R77						\$	4,070,730.00		\$	3,426,422.00			\$ 1,900.00
Group R-Roadway Force Account Items: R78-R82													
R78	1-04, 1-09	Minor Change, by Force Account	EST	1	\$	10,000.00	\$	10,000.00		\$	10,000.00		
R79	1-10	Work Zone Safety Contingency, by force account	EST	1	\$	20,000.00	\$	20,000.00		\$	20,000.00		
R80	2-01	Roadside Cleanup, by force account	EST	1	\$	5,000.00	\$	5,000.00		\$	5,000.00		
R81	2-02	Existing Irrigation Systems, by Force Account	EST	1	\$	5,000.00	\$	5,000.00		\$	5,000.00		
R82	2-03	Field Adjustment, by Force Account	EST	1	\$	10,000.00	\$	10,000.00		\$	10,000.00		
SubTotal Group R: R78-R82						\$	4,110,730.00		\$	3,476,422.00			\$ -

EXHIBIT -A
Project Breakdown Estimate

Secondary Agreement for Joint
PW24-0164F-TW2022-0142

Description: Water Ditch Trail Phase IIIB
Specification No.: PW24-0164F
Bid Opening: 2/25/2025

					ENGINEER'S ESTIMATE		Low Bidder R. L. Alia Company		Tacoma Waters Responsibility		
Item	Spec #	Description	Unit	Quantity	Unit Price	Amount	Unit Price	Amount	QTY.	(%)	Amount
Group L-Lump Sum Items: L1-L20											
L1	1-05.4	Roadway Surveying	LS	1	\$ 75,000.00	\$ 75,000.00	\$ 64,000.00	\$ 64,000.00			
L2	1-05.18	Record Drawings (Minimum Bid \$1000)	LS	1	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00			
L3	1-07.15(1)	SPCC Plan	LS	1	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00			
L4	1-09.7	Mobilization	LS	1	\$ 400,000.00	\$ 400,000.00	\$ 600,000.00	\$ 600,000.00			
L5	1-10	Pedestrian Traffic Control	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 60,000.00	\$ 60,000.00			
L6	1-10	Project Temporary Traffic Control	LS	1	\$ 335,600.00	\$ 335,600.00	\$ 225,000.00	\$ 225,000.00			
L7	2-01	Clearing and Grubbing	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 28,000.00	\$ 28,000.00			
L8	2-02	Removal of Structures and Obstructions	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 35,000.00	\$ 35,000.00			
L9	2-06	Subgrade Maintenance and Protection	LS	1	\$ 30,000.00	\$ 30,000.00	\$ 40,000.00	\$ 40,000.00			
L10	7-08	Temporary Storm Sewer Bypass Plan	LS	1	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00			
L11	7-08	Temporary Storm Sewer Bypass	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 1,000.00	\$ 1,000.00			
L12	8-01	Erosion Control and Water Pollution Prevention	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 160,000.00	\$ 160,000.00		14.51%	\$ 23,214.34
L13	8-01	NPDES Construction Stormwater General Permit	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 3,500.00	\$ 3,500.00		14.51%	\$ 507.81
L14	8-01	Stormwater Pollution Prevention Plan (SWPPP)	LS	1	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00		14.51%	\$ 290.18
L15	8-02	Roadside Restoration	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 40,000.00	\$ 40,000.00			
L16	8-20	Traffic Signal Modification at South Tacoma Way and Pine Street	LS	1	\$ 314,600.00	\$ 314,600.00	\$ 48,000.00	\$ 48,000.00			
L17	8-20	RRFB System at South Tacoma Way and South Fife Street	LS	1	\$ 70,400.00	\$ 70,400.00	\$ 48,000.00	\$ 48,000.00			
L18	8-20	RRFB System at South Tacoma Way and Trafton Steet	LS	1	\$ 70,400.00	\$ 70,400.00	\$ 150,000.00	\$ 150,000.00			
L19	8-20	Illumination System Complete	LS	1	\$ 614,900.00	\$ 614,900.00	\$ 570,000.00	\$ 570,000.00			
L20	8-21	Permanent Signing	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 42,000.00	\$ 42,000.00			
SubTotal Group L						\$ 2,019,900.00		\$ 2,120,500.00			\$ 24,012.33
Group T-Trafton Street Items: T1-T26											
T1	2-03	Roadway Excavation Incl. Haul	CY	430	\$ 45.00	\$ 19,350.00	\$ 38.00	\$ 16,340.00			
T2	2-03	Unsuitable Foundation Excavation Incl. Haul	CY	43	\$ 45.00	\$ 1,935.00	\$ 48.00	\$ 2,064.00			
T3	2-09	Structure Excavation Class B Incl. Haul	CY	150	\$ 50.00	\$ 7,500.00	\$ 38.00	\$ 5,700.00			
T4	2-09	Shoring or Extra Excavation Class B	SF	1,220	\$ 15.00	\$ 18,300.00	\$ 0.60	\$ 732.00			
T5	2-09	Gravel Backfill for Walls	CY	50	\$ 45.00	\$ 2,250.00	\$ 66.00	\$ 3,300.00			
T6	2-14	Remove Existing Pavement, Class A2	SY	1,030	\$ 15.00	\$ 15,450.00	\$ 7.00	\$ 7,210.00			
T7	2-14	Remove Existing Pavement, Class C6	SY	5	\$ 25.00	\$ 125.00	\$ 9.00	\$ 45.00			
T8	4-04	Recycled Concrete Aggregate	TN	450	\$ 40.00	\$ 18,000.00	\$ 36.00	\$ 16,200.00			
T9	4-04	Crushed Surfacing Top Course	TN	60	\$ 50.00	\$ 3,000.00	\$ 60.00	\$ 3,600.00			
T10	5-04	Fiber Reinforced HMA CL 1/2" PG 58H-22	TN	210	\$ 130.00	\$ 27,300.00	\$ 128.00	\$ 26,880.00			
T11	7-05	Catch Basin Type 1	EA	3	\$ 2,000.00	\$ 6,000.00	\$ 2,125.00	\$ 6,375.00			
T12	7-05	Catch Basin Type 2 48-In. Diam.	EA	1	\$ 6,000.00	\$ 6,000.00	\$ 4,800.00	\$ 4,800.00			
T13	7-05	Manhole 48-In. Diam.Type 3	EA	1	\$ 8,000.00	\$ 8,000.00	\$ 5,800.00	\$ 5,800.00			
T14	7-08	Underground Utility Potholing	EA	2	\$ 500.00	\$ 1,000.00	\$ 500.00	\$ 1,000.00			

EXHIBIT -A
Project Breakdown Estimate

Secondary Agreement for Joint
PW24-0164F-TW2022-0142

Description: Water Ditch Trail Phase IIIB
Specification No.: PW24-0164F
Bid Opening: 2/25/2025

					ENGINEER'S ESTIMATE		Low Bidder R. L. Alia Company		Tacoma Waters Responsibility			
Item	Spec #	Description	Unit	Quantity	Unit Price Amount		Unit Price Amount		QTY.	(%)	Amount	
T15	7-17	DI Storm Sewer Pipe 12 In. Diam.	LF	117	\$	150.00	\$	17,550.00	\$	170.00	\$	19,890.00
T16	7-17	PVC Storm Sewer Pipe 12 In. Diam.	LF	109	\$	100.00	\$	10,900.00	\$	115.00	\$	12,535.00
T17	7-17	Testing Sewer Pipe	LF	226	\$	10.00	\$	2,260.00	\$	3.00	\$	678.00
T18	7-17	Television Inspection	LF	226	\$	15.00	\$	3,390.00	\$	7.00	\$	1,582.00
T19	8-01	Inlet Protection	EA	4	\$	100.00	\$	400.00	\$	40.00	\$	160.00
T20	8-04	Cement Conc. Traffic Curb and Gutter	LF	150	\$	40.00	\$	6,000.00	\$	19.00	\$	2,850.00
T21	8-04	Cement Conc. Pedestrian Curb	LF	25	\$	30.00	\$	750.00	\$	20.00	\$	500.00
T22	8-14	Cement Conc. Sidewalk	SY	110	\$	75.00	\$	8,250.00	\$	45.00	\$	4,950.00
T23	8-14	Cement Conc. Curb Ramp	EA	3	\$	3,000.00	\$	9,000.00	\$	2,200.00	\$	6,600.00
T24	8-22	Paint Line	LF	800	\$	2.00	\$	1,600.00	\$	3.50	\$	2,800.00
T25	8-22	Painted Crosshatch Marking	LF	52	\$	10.00	\$	520.00	\$	12.00	\$	624.00
T26	8-22	Painted Access Parking Space Symbol	EA	2	\$	500.00	\$	1,000.00	\$	400.00	\$	800.00

SubTotal Group T				\$	195,830.00		\$	154,015.00			\$	-
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Group TL-Trafton Street Lump Sum Items: TL1-TL7

TL1	1-05.4	Roadway Surveying	LS	1	\$	5,000.00	\$	5,000.00	\$	3,500.00	\$	3,500.00
TL2	1-09.7	Mobilization	LS	1	\$	10,000.00	\$	10,000.00	\$	1,500.00	\$	1,500.00
TL3	2-02	Removal of Structures and Obstructions	LS	1	\$	1,000.00	\$	1,000.00	\$	2,500.00	\$	2,500.00
TL4	2-06	Subgrade Maintenance and Protection	LS	1	\$	1,000.00	\$	1,000.00	\$	3,600.00	\$	3,600.00
TL5	8-01	Erosion Control and Water Pollution Prevention	LS	1	\$	1,000.00	\$	1,000.00	\$	1,500.00	\$	1,500.00
TL6	8-02	Roadside Restoration	LS	1	\$	1,000.00	\$	1,000.00	\$	2,500.00	\$	2,500.00
TL7	8-21	Permanent Signing	LS	1	\$	1,000.00	\$	1,000.00	\$	3,000.00	\$	3,000.00

Total, Group TL				\$	20,000.00		\$	18,100.00			\$	-
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Group WA-Water Items: WA1-WA57

WA1		Mobilization (1-09.7)	LS	1	\$	79,000.00	\$	79,000.00	\$	50,000.00	\$	50,000.00
WA2		Project Temporary Traffic Control (1-10)	LS	1	\$	41,000.00	\$	41,000.00	\$	40,000.00	\$	40,000.00
WA3		Removal/Disposal of existing asphalt, concrete sidewalk/curbing & concrete pavement. Includes all thicknesses and combinations (2-02.3(3))	SY	1,421	\$	25.00	\$	35,525.00	\$	28.00	\$	39,788.00
WA4		Temporary HMA Class ½" PG58-22, 2-inch minimum depth, installed & removed (5-04 & 9-03.8)	SY	1,421	\$	25.00	\$	35,525.00	\$	16.00	\$	22,736.00
WA5		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	\$	200.00	\$	4,000.00
WA6		Crushed Surfacing Top Course for trench backfill per Section 9-03.9(3) of the 2020 WSDOT Standard Specifications, shoulder restoration, and as directed by the Inspector. (7-09.5 & 9-03.9(3))	TN	3,210	\$	25.00	\$	80,250.00	\$	32.00	\$	102,720.00
WA7		Storm, Sanitary, Side Sewer Restoration (7-04,7-09.5, 7-17, & 7-18)	EA	11	\$	1,000.00	\$	11,000.00	\$	500.00	\$	5,500.00

EXHIBIT -A
Project Breakdown Estimate

Secondary Agreement for Joint
PW24-0164F-TW2022-0142

Description: Water Ditch Trail Phase IIIB
Specification No.: PW24-0164F
Bid Opening: 2/25/2025

					ENGINEER'S ESTIMATE		Low Bidder R. L. Alia Company		Tacoma Waters Responsibility		
Item	Spec #	Description	Unit	Quantity	Unit Price	Amount	Unit Price	Amount	QTY.	(%)	Amount
WA8		Trench Excavation & Disposal (7-09.3(7) & 7-09.5)	CY	2,208	\$ 25.00	\$ 55,200.00	\$ 35.00	\$ 77,280.00		100.00%	\$ 77,280.00
WA9		Trench Shoring (7-09.3(7) & 7-09.5)	LF	3,198	\$ 1.00	\$ 3,198.00	\$ 1.00	\$ 3,198.00		100.00%	\$ 3,198.00
WA10		16-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	50	\$ 175.00	\$ 8,750.00	\$ 250.00	\$ 12,500.00		100.00%	\$ 12,500.00
WA11		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	3,164	\$ 100.00	\$ 316,400.00	\$ 95.00	\$ 300,580.00		100.00%	\$ 300,580.00
WA12		10-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	3	\$ 150.00	\$ 450.00	\$ 250.00	\$ 750.00		100.00%	\$ 750.00
WA13		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	85	\$ 80.00	\$ 6,800.00	\$ 90.00	\$ 7,650.00		100.00%	\$ 7,650.00
WA14		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	184	\$ 75.00	\$ 13,800.00	\$ 80.00	\$ 14,720.00		100.00%	\$ 14,720.00
WA15		16-inch x 12-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	EA	1	\$ 2,500.00	\$ 2,500.00	\$ 2,400.00	\$ 2,400.00		100.00%	\$ 2,400.00
WA16		12-inch x 6-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	EA	10	\$ 850.00	\$ 8,500.00	\$ 800.00	\$ 8,000.00		100.00%	\$ 8,000.00
WA17		12-inch x 8-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	EA	1	\$ 900.00	\$ 900.00	\$ 800.00	\$ 800.00		100.00%	\$ 800.00
WA18		12-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	EA	1	\$ 1,175.00	\$ 1,175.00	\$ 1,100.00	\$ 1,100.00		100.00%	\$ 1,100.00
WA19		8-inch x 6-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	EA	1	\$ 420.00	\$ 420.00	\$ 450.00	\$ 450.00		100.00%	\$ 450.00
WA20		6-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	EA	2	\$ 335.00	\$ 670.00	\$ 400.00	\$ 800.00		100.00%	\$ 800.00
WA21		12-inch Ductile Iron Ell, M.J., 22 1/2°, installed. (7-09, & 9-30.2(1))	EA	2	\$ 575.00	\$ 1,150.00	\$ 550.00	\$ 1,100.00		100.00%	\$ 1,100.00
WA22		12-inch Ductile Iron Ell, M.J., 45°, installed. (7-09, & 9-30.2(1))	EA	6	\$ 675.00	\$ 4,050.00	\$ 600.00	\$ 3,600.00		100.00%	\$ 3,600.00
WA23		12-inch x 10-inch Ductile Iron Reducer, M.J., installed. (7-09, & 9-30.2(1))	EA	1	\$ 525.00	\$ 525.00	\$ 500.00	\$ 500.00		100.00%	\$ 500.00
WA24		8-inch Ductile Iron Ell, M.J., 45°, installed. (7-09, & 9-30.2(1))	EA	2	\$ 275.00	\$ 550.00	\$ 300.00	\$ 600.00		100.00%	\$ 600.00
WA25		8-inch Ductile Iron Ell, M.J., 22 1/2°, installed. (7-09, & 9-30.2(1))	EA	1	\$ 265.00	\$ 265.00	\$ 300.00	\$ 300.00		100.00%	\$ 300.00
WA26		6-inch Ductile Iron Ell, M.J., 22 1/2°, installed. (7-09, & 9-30.2(1))	EA	1	\$ 175.00	\$ 175.00	\$ 220.00	\$ 220.00		100.00%	\$ 220.00
WA27		16-inch Ductile Iron Solid Sleeve (Long Pattern) M.J., installed. (7-09.5, & 9-30.2(1))	EA	2	\$ 1,450.00	\$ 2,900.00	\$ 1,300.00	\$ 2,600.00		100.00%	\$ 2,600.00
WA28		12-inch Ductile Iron Solid Sleeve (Long Pattern) M.J., installed. (7-09.5, & 9-30.2(1))	EA	1	\$ 585.00	\$ 585.00	\$ 600.00	\$ 600.00		100.00%	\$ 600.00
WA29		8-inch Ductile Iron Solid Sleeve (Long Pattern) M.J., installed. (7-09.5, & 9-30.2(1))	EA	1	\$ 300.00	\$ 300.00	\$ 400.00	\$ 400.00		100.00%	\$ 400.00

EXHIBIT -A
Project Breakdown Estimate

Secondary Agreement for Joint
PW24-0164F-TW2022-0142

Description: Water Ditch Trail Phase IIIB
Specification No.: PW24-0164F
Bid Opening: 2/25/2025

					ENGINEER'S ESTIMATE		Low Bidder R. L. Alia Company		Tacoma Waters Responsibility		
Item	Spec #	Description	Unit	Quantity	Unit Price	Amount	Unit Price	Amount	QTY.	(%)	Amount
WA30		10-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	\$ 1,800.00	\$ 1,800.00	\$ 320.00	\$ 320.00		100.00%	\$ 320.00
WA31		16-inch Ductile Iron Cap, M.J., tapped 2", installed and removed (9-30.2(1) & 7-09.5)	EA	2	\$ 925.00	\$ 1,850.00	\$ 500.00	\$ 1,000.00		100.00%	\$ 1,000.00
WA32		12-inch Ductile Iron Cap, M.J., tapped 2", installed and removed (9-30.2(1) & 7-09.5)	EA	3	\$ 325.00	\$ 975.00	\$ 300.00	\$ 900.00		100.00%	\$ 900.00
WA33		16-inch Ductile Iron Plug, M.J., tapped 2", installed and removed (7-09.5 & 9-30.2(1))	EA	1	\$ 1,300.00	\$ 1,300.00	\$ 650.00	\$ 650.00		100.00%	\$ 650.00
WA34		8-inch Ductile Iron Cap, M.J., tapped 2", installed and removed (7-09.5 & 9-30.2(1))	EA	1	\$ 250.00	\$ 250.00	\$ 250.00	\$ 250.00		100.00%	\$ 250.00
WA35		6-inch Ductile Iron Cap, M.J., tapped 2", installed (7-09.5 & 9-30.2(1))	EA	1	\$ 225.00	\$ 225.00	\$ 150.00	\$ 150.00		100.00%	\$ 150.00
WA36		6-inch Ductile Iron Plug, M.J., installed (7-09.5 & 9-30.2(1))	EA	1	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00		100.00%	\$ 150.00
WA37		6-inch Ductile Iron Plug, M.J., tapped 2", installed and removed (7-09.5 & 9-30.2(1))	EA	4	\$ 215.00	\$ 860.00	\$ 160.00	\$ 640.00		100.00%	\$ 640.00
WA38		2-inch Blow-Off Assembly, installed (Dwg. 17-56-1) (7-09.3(22) & 7-09.5)	EA	1	\$ 2,000.00	\$ 2,000.00	\$ 3,200.00	\$ 3,200.00		100.00%	\$ 3,200.00
WA39		Temporary 2-inch Blow-Off Assembly, installed and removed (Dwg. 17-56-1) (7-09.3(22) & 7-09.5)	EA	12	\$ 750.00	\$ 9,000.00	\$ 900.00	\$ 10,800.00		100.00%	\$ 10,800.00
WA40		16-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	EA	8	\$ 400.00	\$ 3,200.00	\$ 500.00	\$ 4,000.00		100.00%	\$ 4,000.00
WA41		12-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	EA	16	\$ 350.00	\$ 5,600.00	\$ 480.00	\$ 7,680.00		100.00%	\$ 7,680.00
WA42		8-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	EA	8	\$ 150.00	\$ 1,200.00	\$ 220.00	\$ 1,760.00		100.00%	\$ 1,760.00
WA43		6-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	EA	31	\$ 100.00	\$ 3,100.00	\$ 140.00	\$ 4,340.00		100.00%	\$ 4,340.00
WA44		Concrete Thrust Anchor, installed. (7-09.3(21) & 7-09.5)	EA	25	\$ 750.00	\$ 18,750.00	\$ 400.00	\$ 10,000.00		100.00%	\$ 10,000.00
WA45		Temporary Concrete Thrust Anchor, installed and removed (7-09.3(21) & 7-09.5)	EA	11	\$ 500.00	\$ 5,500.00	\$ 300.00	\$ 3,300.00		100.00%	\$ 3,300.00
WA46		Removal, haul and disposal of abandoned C.I. pipe, all sizes. (202.3)	LF	5	\$ 25.00	\$ 125.00	\$ 50.00	\$ 250.00		100.00%	\$ 250.00
WA47		Trench Compaction Test (as directed by the Inspector) (7-09.3(11) & 7-09.5)	EA	64	\$ 150.00	\$ 9,600.00	\$ 400.00	\$ 25,600.00		100.00%	\$ 25,600.00
WA48		Test Holes (See Special Provisions). (7-09.3(6) & 7-09.5)	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 4,000.00	\$ 4,000.00		100.00%	\$ 4,000.00
WA49		16-inch B/F Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box (7-12 & 9.30.3)	EA	1	\$ 4,175.00	\$ 4,175.00	\$ 9,000.00	\$ 9,000.00		100.00%	\$ 9,000.00
WA50		12-inch B/F Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box (7-12 & 9.30.3)	EA	6	\$ 3,200.00	\$ 19,200.00	\$ 6,500.00	\$ 39,000.00		100.00%	\$ 39,000.00
WA51		8-inch Gate Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box (7-12 & 9.30.3)	EA	1	\$ 1,500.00	\$ 1,500.00	\$ 3,500.00	\$ 3,500.00		100.00%	\$ 3,500.00
WA52		6-inch Gate Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box (7-12 & 9.30.3)	EA	13	\$ 1,250.00	\$ 16,250.00	\$ 2,900.00	\$ 37,700.00		100.00%	\$ 37,700.00

EXHIBIT -A
Project Breakdown Estimate

Secondary Agreement for Joint
PW24-0164F-TW2022-0142

Description: Water Ditch Trail Phase IIIB
Specification No.: PW24-0164F
Bid Opening: 2/25/2025

					ENGINEER'S ESTIMATE		Low Bidder R. L. Alia Company		Tacoma Waters Responsibility							
Item	Spec #	Description	Unit	Quantity	Unit Price		Amount		Unit Price	Amount	QTY.	(%)	Amount			
WA53		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	1	\$	5,200.00	\$	5,200.00	\$	6,000.00	\$	6,000.00		100.00%	\$	6,000.00
WA54		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	3	\$	5,400.00	\$	16,200.00	\$	6,000.00	\$	18,000.00		100.00%	\$	18,000.00
WA55		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	\$	5,600.00	\$	11,200.00	\$	6,000.00	\$	12,000.00		100.00%	\$	12,000.00
WA56		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
WA57		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				\$	929,273.00		\$	979,082.00			\$	979,082.00
Sales Tax, 10.3%				\$	95,715.12		\$	100,845.45				
Total, Group WA				\$	1,024,988.12		\$	1,079,927.45				

Group R Total				\$	4,110,730.00		\$	3,476,422.00
Group L Total				\$	2,019,900.00		\$	2,120,500.00
Group T Total				\$	195,830.00		\$	154,015.00
Group TL Total				\$	20,000.00		\$	18,100.00
Group WA Total; Not Including Sales Tax				\$	929,273.00		\$	979,082.00

TOTAL BASE BID (Not Including Sales Tax)				\$	7,275,733.00		\$	6,748,119.00
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Sales Tax, 10.3%				\$	95,715.12		\$	100,845.45
TOTAL BASE BID plus SALES TAX				\$	7,371,448.12		\$	6,848,964.45

Tacoma Water Percentage	14.51%
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Tacoma Water Estimated Cost Share Summary	
Item	Description
A	Water Bid from Group WA (less Tax)
B	Shared Road Bid from Group R & L
C	Total Water Costs (Less Tax)
D	Admin Costs (3% less FA)
	(C - \$60,000) x 3%
E	Cumulative Total (less tax, less contingency)

Amount
\$ 979,082.00
\$ 25,912.33
\$ 1,004,994.33
\$ 28,349.83
\$ 1,033,344.16