CITY OF TACOMA

Public Works Engineering

ADDENDUM NO. 01 **DATE:** 07/27/21

REVISIONS TO:
Request for Bids Specification No. PW20-0015F
Revitalizing Tacoma's Brewery District

NOTICE TO ALL BIDDERS:

This addendum is issued to clarify, revise, add to or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and shall become part of this contract.

REVISIONS TO THE SUBMITTAL DEADLINE:

The submittal deadline is unchanged.

REVISIONS TO THE PROPOSAL:

- Replace the Bid Proposal in its entirety, as attached.
- Note to All Bidders "Common Basis of Bid" is included in this addendum, as attached.

REVISIONS TO THE PLANS:

- Delete plan sheet SQ-1 "Summary of Quantities".
- Replace plan sheet PV-01, as attached.
- Replace plan sheet C1, as attached.
- Replace plan sheet D1, as attached.
- Add new plan sheet JT1 "Pavement Jointing Plan", as attached.

REVISIONS TO THE SPECIAL PROVISIONS:

- Add new section 1-02.6(B) "Preparation Of Proposal", as attached.
- Add new section 1-05.14 "Cooperation With Other Contractors", as attached.
- Replace section 1-07.23(1) "Construction Under Traffic", as attached.
- Replace section 1-09.9(1) "Retainage", as attached.
- Replace section 2-03 "Roadway Excavation and Embankment", as attached.
- Replace section 6-02 "Concrete Structures", as attached.
- Replace section 8-01 "Erosion Control and Water Pollution Control", as attached.
- Replace section 8-04 "Curbs, Gutters, and Spillways", as attached.
- Replace section 8-14 "Cement Concrete Sidewalks", as attached.

REVISIONS TO THE GENERAL INFORMATION AND REQUIREMENTS:

- Replace Appendix E “Public Convenience and Safety” in its entirety, as attached.

NOTE: Acknowledge receipt of this addendum by initialing the corresponding space as indicated on the proposal page. Vendors who have already submitted their bid/proposal may contact the Purchasing Division at 253-502-8468 and request return of their bid/proposal for acknowledgment and re-submittal. Or, a letter acknowledging receipt of this addendum may be submitted in an envelope marked Request for Bids Specification No. PW20-0015F Addendum No. 01. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.

cc: Nick Correll / Public Works Engineering

City of Tacoma

Revitalizing Tacoma's Brewery District

PW20-0015F

Questions & Answers

1. **We are looking at the City of Tacoma project PW20-0015F Revitalizing Tacoma's Brewery District, on schedule WA #64 Force Account, there is not a unit price/total amount listed. Do you have the FA amount for this?**

   An amount of $60,000 for WA #64 "Force Account" has been added; this is reflected in the revised Bid Proposal.

2. **There is no Pay item for removing Cement Concrete Sidewalk. Please provide an item or identify where it is to be paid.**

   Removing Cement Concrete Sidewalk will be covered under pay item R-8 "Remove Existing Pavement, Type I, Class C6, per square yard" in accordance with Special Provision 2-14.

3. **Section 2-17.2(3) of the project specifications states that the contractor must have a Site Health and Safety Officer on-site at all times that excavation is being done. Does this representative have to be a certified industrial hygienist or can an onsite foreman with 40 Hour HAZWOPER training sufficient?**

   The City advises all bidders to follow all regulations mentioned in 2-17.2(3), including references to 29 CFR Part 1910 and WAC 296-62, as well as to utilize all resources identified in 2-17.1(1).

BID PROPOSAL

SPECIFICATION NO. **PW20-0015F, ADDENDUM 1**

Brewery District Street Project

The undersigned hereby certifies that he/she has examined the location and construction details of work as outlined on the Plans and Specifications for Project No. **PW20-0015F** and has read and thoroughly understands the Plans and Specifications and contract governing the work embraced in this improvement and the method by which payment will be made for said work, and hereby proposes to undertake and complete the work embraced in this improvement in accordance with said Plans, Specifications and contract and at the following schedule of rates and prices:

NOTE: 1. Unit prices of all items, all extensions and total amount of bid should be shown. Show unit prices in figures only.

2. The notations below the item numbers refer to the specification section where information may be found regarding each contract item. These notations are intended only as a guide and are not warranted to refer to all specification sections where information may be found.

The bid items are grouped as follows:

Group R: Roadway Bid Items

Group A: Asphalt Paving Bid Items

Group P: Power Utility Bid Items

Group L: Lump Sum Bid Items

Group SD: Storm Sewer Bid Items

Group S: Sanitary Sewer / Waste Water Bid Items

Group WA: Water Main Bid Items

Summarize totals as indicated on the pages that follow below;

Contractor's Name:_____

Group-R: Brewery District Street Project
Roadway Bid Items R-1 through R-50
Specification No. PW20-0015F ADDENDUM 1

ITEM NO.	ITEM DESCRIPTION	ESTIMATE QUANTITY	UNIT PRICE	TOTAL AMOUNT
R- 1 1-07.11	Training, per hour	1,000 HR	$	$
R- 2 2-02	Test Hole, per linear foot	100 LF	$	$
R- 3 2-03	Roadway Excavation of Non-Contaminated Material, Incl. Haul, per cubic yard	470 CY	$	$
R- 4 2-03	Roadway Excavation of Contaminated Material, Incl. Haul, per cubic yard	460 CY	$	$
R- 5 2-03	Gravel Borrow Incl. Haul, per ton	100 TN	$	$
R- 6 2-09	Structure Excavation Class B Incl. Haul – Non-contaminated, per cubic yard	50 CY	$	$
R- 7 2-09	Structure Excavation Class B Incl. Haul – Contaminated, per cubic yard	130 CY	$	$
R- 8 2-14	Remove Existing Pavement, Type I, Class C6, per square yard	1,514 SY	$	$
R- 9 2-14	Remove Existing Pavement, Type I, Class CA, per square yard	3,990 SY	$	$
R- 10 2-14	Remove Existing Pavement, Type I, Class C12, per square yard	1,420 SY	$	$
R- 11 2-15	Remove Curb, per linear foot	2,846 LF	$	$
R- 12 4-04	Crushed Surfacing Top Course, per ton	700 TN	$	$

Contractor's Name:_____

Specification Number: PW20-0015F ADDENDUM 1

ITEM NO.	ITEM DESCRIPTION	ESTIMATE QUANTITY	UNIT PRICE	TOTAL AMOUNT
R- 13 5-05	Cement Conc. Pavement, 10-Inch Section, per square yard	1,540 SY	$	$
R- 14 5-05	Traffic Island Concrete Pavement, 7-Inch Section, per square yard	70 SY	$	$
R- 15 7-05	Adjust Existing Valve Chamber to Grade, per each	20 EA	$	$
R- 16 8-01	Inlet Protection, per each	50 EA	$	$
R- 17 8-04	Cement Conc. Traffic Curb and Gutter, per linear foot	3,460 LF	$	$
R- 18 8-04	Mountable Traffic Island Curb, per linear foot	300 LF	$	$
R- 19 8-04	Cement Conc. Pedestrian Curb, per linear foot	100 LF	$	$
R- 20 8-06	Cement Conc. Driveway Entrance, per square yard	50 SY	$	$
R- 21 8-09	Raised Pavement Marker Type 1, per hundred	13 Hund.	$	$
R- 22 8-09	Raised Pavement Marker Type 2, per hundred	5 Hund.	$	$
R- 23 8-09	Low-Profile Plastic Curbing with Delineators, per linear foot	100 LF	$	$
R- 24 8-12	Chain Link Fence Type 3, per linear foot	80 LF	$	$
R- 25 8-13	Monument in Case, per each	8 EA	$	$
R- 26 8-14	Cement Conc. Sidewalk, per square yard	1,042 SY	$	$

Contractor's Name:_____

ITEM NO.	ITEM DESCRIPTION	ESTIMATE QUANTITY	UNIT PRICE	TOTAL AMOUNT
R- 27 8-14	Cement Conc. Curb Ramp, per each	51 EA	$	$
R- 28 8-14	Detectable Warning Surface, per square foot	50 SF	$	$
R- 29 8-15	Quarry Spalls, per ton	10 TN	$	$
R- 30 8-22	Painted Curb, per linear foot	75 LF	$	$
R- 31 8-22	Plastic Line, per linear foot	3,600 LF	$	$
R- 32 8-22	Plastic Wide Dotted Entry Line, per linear foot	100 LF	$	$
R- 33 8-22	Plastic Wide Lane Line, per linear foot	2,000 LF	$	$
R- 34 8-22	Plastic Crosswalk Line, per linear foot	4,000 LF	$	$
R- 35 8-22	Plastic Crosshatch Marking, per linear foot	200 LF	$	$
R- 36 8-22	Plastic Stop Line, per linear foot	500 LF	$	$
R- 37 8-22	Plastic Traffic Arrow, per each	28 EA	$	$
R- 38 8-22	Plastic Traffic Letter, per each	72 EA	$	$
R- 39 8-22	Plastic Sharrow Symbol, per each	42 EA	$	$
R- 40 8-22	Plastic Bicycle Lane Symbol, per each	30 EA	$	$

Contractor's Name:_____

ITEM NO.	ITEM DESCRIPTION	ESTIMATE QUANTITY	UNIT PRICE	TOTAL AMOUNT
R- 41 8-22	Green Durable Product, per square foot	30 SF	$	$
R- 42 8-22	Plastic Access Parking Space Symbol with Background, per each	5 EA	$	$
R- 43 8-22	Plastic Speed Bump Symbol, per each	4 EA	$	$

SubTotal, Group R
Unit Bid Item Nos. R-1 through R-43 $ _____ **(1)**

R 44 2-01	Certified Arborist Assessment Report Compliance	Force Account	Estimated	$ 5,000.00	(2)
R 45 2-02	Existing Irrigation Systems	Force Account	Estimated	$ 5,000.00	(3)
R 46 2-03	Field Adjustment	Force Account	Estimated	$ 5,000.00	(4)
R 47 1-04.4	Minor Change	Force Account	Estimated	$ 10,000.00	(5)
R 48 1-07.16(4)	Archaeological and Historical Objects Monitor	Force Account	Estimated	$ 5,000.00	(6)
R 49 8-01	Dewatering	Force Account	Estimated	$ 20,000.00	(7a)
R 50 2-09	Structure Excavation Class B Incl. Haul – Contaminated CID, by Force Account	Force Account	Estimated	$ 10,000.00	(7b)

Total, Group R **(1)+(2)+(3)+(4)+(5)+(6)+(7a)+(7b)** $ _____ **(8)**

Contractor's Name:_____

Group-A: Brewery District Street Project
Asphalt Paving Bid Items A-1 through A-7
Specification No. PW20-0015F ADDENDUM 1

ITEM NO.	ITEM DESCRIPTION	ESTIMATE QUANTITY	UNIT PRICE	TOTAL AMOUNT
A- 1 4-04	Recycled Concrete Aggregate, per ton	3,390 TN	$	$
A- 2 5-04	Planing Bituminous Pavement, per square yard	20,200 SY	$	$
A- 3 5-04	Temporary Pavement Patch, per ton	100 TN	$	$
A- 4 5-04	HMA for Preleveling CL 3/8" PG 58H-22, per ton	1,500 TN	$	$
A- 5 5-04	Fiber Reinforced HMA CL 1/2" PG 58H-22, per ton	3,400 TN	$	$
A- 6 5-04	Fiberglass Interlay Grid, per square yard	890 SY	$	$
A- 7 5-04	HMA for Approach CL 3/8" PG 58H-22, per square yard	30 SY	$	$

SubTotal, Group A
Bid Item Nos. A-1 through A-7 $ _____ **(9)**

Contractor's Name:_____

Specification Number: PW20-0015F ADDENDUM 1

Group-P: Brewery District Street Project
Power Bid Items P-1 through P-9
Specification No. PW20-0015F ADDENDUM 1

ITEM NO.	ITEM DESCRIPTION	ESTIMATE QUANTITY	UNIT PRICE	TOTAL AMOUNT
P- 1 8-40	Structure Excavation Class B Incl. Haul - Contaminated, per cubic yard	571 CY	$ _____	$ _____
P- 2 8-40	Structure Excavation Class B Incl. Haul – Hazardous Waste, per cubic yard	134 CY	$ _____	$ _____
P- 3 8-40	Power Utility Vault, per each	2 Each	$ _____	$ _____
P- 4 8-40	Conduit Bank, Section A, per linear foot	75 Lin. Ft.	$ _____	$ _____
P- 5 8-40	Conduit Bank, Section B, per linear foot	140 Lin. Ft.	$ _____	$ _____
P- 6 8-40	Conduit Bank, Section C, per linear foot	370 Lin. Ft.	$ _____	$ _____
P- 7 8-40	Conduit Bank, Section D, per linear foot	195 Lin. Ft.	$ _____	$ _____
P- 8 8-40	Conduit Bank, Section E, per linear foot	170 Lin. Ft.	$ _____	$ _____
P- 9 8-40	Electronic Tracer Ball, per each	4 Each	$ _____	$ _____

SubTotal, Group P
Unit Bid Item Nos. P-1 through P-9 $ _____ **(10)**

10.3% Sales Tax on Power Bid Items (10) * 0.103 $ _____ **(11)**

Total, Group P **(10) + (11)** $ _____ **(12)**

Contractor's Name:_____

Specification Number: PW20-0015F ADDENDUM 1

Group-L: Brewery District Street Project
Lump Sum Bid Items L-1 through L-29
Specification No. PW20-0015F ADDENDUM 1

ITEM NO.	ITEM DESCRIPTION	ESTIMATE QUANTITY	UNIT PRICE	TOTAL AMOUNT
L- 1 1-05	Roadway Surveying	1 Lump Sum	**LUMP SUM**	$
L- 2 1-05	Record Drawings (Minimum Bid $5,000.00)	1 Lump Sum	**LUMP SUM**	$
L- 3 1-07	SPCC Plan	1 Lump Sum	**LUMP SUM**	$
L- 4 1-09	Mobilization	1 Lump Sum	**LUMP SUM**	$
L- 5 1-10	Pedestrian Traffic Control	1 Lump Sum	**LUMP SUM**	$
L- 6 1-10	Project Temporary Traffic Control	1 Lump Sum	**LUMP SUM**	$
L- 7 2-01	Clearing and Grubbing	1 Lump Sum	**LUMP SUM**	$
L- 8 2-01	Certified Arborist	1 Lump Sum	**LUMP SUM**	$
L- 9 2-02	Removal of Structures and Obstructions	1 Lump Sum	**LUMP SUM**	$
L- 10 2-06	Subgrade Maintenance and Protection	1 Lump Sum	**LUMP SUM**	$
L- 11 2-17	Site Health and Safety Plan	1 Lump Sum	**LUMP SUM**	$
L- 12 2-17	Site Health and Safety Officer	1 Lump Sum	**LUMP SUM**	$
L- 13 2-17	Soil Management Plan	1 Lump Sum	**LUMP SUM**	$
L- 14 8-01	Erosion Control and Water Pollution Prevention	1 Lump Sum	**LUMP SUM**	$
L- 15 8-01	Stormwater Pollution Prevention Plan (SWPPP)	1 Lump Sum	**LUMP SUM**	$

Contractor's Name:_____

Specification Number: PW20-0015F ADDENDUM 1

ITEM NO.	ITEM DESCRIPTION	ESTIMATE QUANTITY	UNIT PRICE	TOTAL AMOUNT
L- 16 8-01	NPDES Construction Stormwater General Permit	1 Lump Sum	**LUMP SUM**	$
L- 17 8-01	Dewatering Plan and SAD permit	1 Lump Sum	**LUMP SUM**	$
L- 18 8-02	Roadside Restoration	1 Lump Sum	**LUMP SUM**	$
L- 19 8-20	Modification of Existing Traffic Signal System at intersection of Fawcett Ave & S	1 Lump Sum	**LUMP SUM**	$
L- 20 8-20	Modification of Existing Traffic Signal System at intersection of Fawcett Ave & S	1 Lump Sum	**LUMP SUM**	$
L- 21 8-20	Modification of Existing Traffic Signal System at intersection of Fawcett Ave & S	1 Lump Sum	**LUMP SUM**	$
L- 22 8-20	Modifications of Existing Traffic Signal System at intersection of Fawcett Ave & S	1 Lump Sum	**LUMP SUM**	$
L- 23 8-20	Modifications of Existing Flashing Beacon System at intersection of Fawcett Ave & S	1 Lump Sum	**LUMP SUM**	$
L- 24 8-20	HAWK Beacon System at Fawcett Avenue and S 19th Street, Complete	1 Lump Sum	**LUMP SUM**	$
L- 25 8-21	Permanent Signing	1 Lump Sum	**LUMP SUM**	$
L- 26 7-08	Temporary Storm Bypass Plan	1 Lump Sum	**LUMP SUM**	$
L- 27 7-08	Temporary Storm Sewer Bypass	1 Lump Sum	**LUMP SUM**	$
L- 28 7-08	Temporary Sanitary Bypass Plan	1 Lump Sum	**LUMP SUM**	$
L- 29 7-08	Temporary Sanitary Sewer Bypass	1 Lump Sum	**LUMP SUM**	$

Total, Group L
Bid Item Nos. L-1 through L-29 $ _____ **(13)**

Contractor's Name:_____

Group-SD: Brewery District Street Project
Storm Sewer Bid Items SD-1 through SD-23
Specification No. PW20-0015F ADDENDUM 1

ITEM NO.	ITEM DESCRIPTION	ESTIMATE QUANTITY	UNIT PRICE	TOTAL AMOUNT
SD- 1 2-09	Structure Excavation Class B Incl. Haul – Non-contaminated, per cubic yard	500 CY	$	$
SD- 2 2-09	Structure Excavation Class B Incl Haul - Contaminated, per cubic yard	110 CY	$	$
SD- 3 2-09	Gravel Backfill for Walls, per cubic yard	390 CY	$	$
SD- 4 2-09	Shoring or Extra Excavation Class B, per square foot	6,200 SF	$	$
SD- 5 2-14	Remove Existing Pavement, Type II, Class CA, per square yard	660 SY	$	$
SD- 6 2-16	Remove Manhole, per each	1 EA	$	$
SD- 7 2-16	Remove Catch Basin, per each	27 EA	$	$
SD- 8 7-05	Reconnect Existing Sewer Pipe, 12-In. Diam., to New Structure, per each	13 EA	$	$
SD- 9 7-05	Adjust Existing Catch Basin, Furnish New Frame and Grate, per each	14 EA	$	$
SD- 10 7-05	Adjust Existing Manhole , Furnish new Frame and Cover, per each	19 EA	$	$
SD- 11 7-05	Manhole 48-In. Diam. Type 1, per each	2 EA	$	$
SD- 12 7-05	Manhole 48-In. Diam. Type 3 with CIP Base, per each	1 EA	$	$
SD- 13 7-05	Manhole 48-In. Diam. Type 1 with CIP Base, per each	1 EA	$	$

Contractor's Name:_____

Specification Number: PW20-0015F ADDENDUM 1

ITEM NO.	ITEM DESCRIPTION	ESTIMATE QUANTITY	UNIT PRICE	TOTAL AMOUNT
SD- 14 7-05	Catch Basin Type 1, per each	4 EA	$	$
SD- 15 7-05	Catch Basin Type 1 with Combination Inlet, per each	23 EA	$	$
SD- 16 7-05	Catch Basin Type 2, 48-In. Diam., per each	1 EA	$	$
SD- 17 7-05	30" x 60" Type BB Inlet, per each	7 EA	$	$
SD- 18 7-05	Connect New Sewer Pipe 12-In. Diam. to Existing Structure, per each	16 EA	$	$
SD- 19 7-08	CDF for Pipe Abandonment, per cubic yard	20 CY	$	$
SD- 20 7-17	PVC Storm Sewer Pipe 12-In. Diam., per linear foot	450 LF	$	$
SD- 21 7-17	Cl. III Reinf. Conc. Storm Sewer Pipe 12-In. Diam., per linear foot	530 LF	$	$
SD- 22 7-17	Ductile Iron Storm Sewer Pipe 12-In. Diam., per linear foot	41 LF	$	$
SD- 23 7-17	Testing Sewer Pipe, per linear foot	980 LF	$	$

SubTotal, Group SD
Bid Item Nos. SD-1 through SD-23 $ _____ **(14)**

Contractor's Name:_____

Group-S: Brewery District Street Project
Sanitary Sewer Bid Items S-1 through S-12
Specification No. PW20-0015F ADDENDUM 1

ITEM NO.	ITEM DESCRIPTION	ESTIMATE QUANTITY	UNIT PRICE	TOTAL AMOUNT
S- 1 2-09	Structure Excavation Class B Incl. Haul – Non-contaminated, per cubic yard	280 CY	$	$
S- 2 2-09	Gravel Backfill for Walls, per cubic yard	220 CY	$	$
S- 3 2-09	Shoring or Extra Excavation Class B, per square foot	2,700 SF	$	$
S- 4 2-14	Remove Existing Pavement, Type II, Class CA, per square yard	200 SY	$	$
S- 5 2-16	Remove Manhole, per each	2 EA	$	$
S- 6 7-05	Adjust Existing Manhole , Furnish new Frame and Cover, per each	15 EA	$	$
S- 7 7-05	Manhole 48-In. Diam. Type 1, per each	2 EA	$	$
S- 8 7-05	Reconnect Existing Sewer Pipe, 12-In. Diam., to New Structure, per each	2 EA	$	$
S- 9 7-08	CDF for Pipe Abandonment, per cubic yard	20 CY	$	$
S- 10 7-17	PVC Sanitary Sewer Pipe 6-In. Diam., per linear foot	30 LF	$	$

Contractor's Name:_____

ITEM NO.	ITEM DESCRIPTION	ESTIMATE QUANTITY	UNIT PRICE	TOTAL AMOUNT
S- 11 7-17	PVC Sanitary Sewer Pipe 12-In. Diam., per linear foot	300 LF	$ _____	$ _____
S- 12 7-17	Testing Sewer Pipe, per linear foot	330 LF	$ _____	$ _____

SubTotal, Group S
Bid Item Nos. S-1 through S-12 $ _____ **(15)**

10.3% Sales Tax on Sanitary Sewer Main Extension Bid Items (15) * 0.103 $ _____ **(16)**

Total, Group S **(15) + (16)** $ _____ **(17)**

Contractor's Name:_____

Specification Number: PW20-0015F ADDENDUM 1

BID PROPOSAL **Bidder_____**

Specification No. PW20-0015F ADDENDUM 1

Water Main Replacement Project 2019-45

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1	Mobilization (1-09.7)	1	LS	Lump Sum	$
2	Project Temporary Traffic Control (1-10)	1	LS	Lump Sum	$
3	Removal/Disposal of existing asphalt, concrete sidewalk/curbing & concrete pavement. Includes all thicknesses and combinations (2-02.3(3))	4623	SY	$	$
4	Temporary HMA Class ½" PG58-22, 2-inch minimum depth, installed & removed (5-04 & 9-03.8)	4623	SY	$	$
5	HMA Cl ½" PG58-22 pavement for permanent trench patch (5-04 & 9-03.8)-6" in Depth	782	TN	$	$
6	Crushed Surfacing Top Course for trench backfill (7-09.5 & 9-03.9(3))	5642	TN	$	$
7	Storm, Sanitary, Side Sewer Restoration (7-04,7-09.5, 7-17, & 7-18)	8	EA	$	$
8	Trench Excavation & Haul of Contaminated Material (2-13, 7-09.4, & 7-09.5)	672	CY	$	$
9	Trench Excavation & Disposal (7-09.3(7) & 7-09.5)	2932	CY	$	$
10	Trench Shoring (7-09.3(7) & 7-09.5)	5283	LF	$	$
11	20-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))	3	LF	$	$
12	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))	5320	LF	$	$
13	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))	176	LF	$	$
14	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))	241	LF	$	$
15	4-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))	27	LF	$	$

Water Main Replacement Project 2019-45

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
16	12-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	3	EA	$	$
17	12-inch x 8-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	3	EA	$	$
18	12-inch x 6-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	13	EA	$	$
19	12-inch x 4-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	8	EA	$	$
20	12-inch x 6-inch Ductile Iron Tee, M.J. x Flg, installed (9-30.2(1))	2	EA	$	$
21	12-inch x 4-inch Ductile Iron Tee, M.J. x Flg, installed (9-30.2(1))	1	EA	$	$
22	20-inch x 12-inch Ductile Iron Reducer, 2-B, M.J., w/ anchor, installed (7-05.9 & 9-30.2(1))	2	EA	$	$
23	12-inch x 8-inch Ductile Iron Reducer, 2-B, M.J., w/ anchor, installed (7-05.9 & 9-30.2(1))	2	EA	$	$
24	8-inch x 6-inch Ductile Iron Reducer, 2-B, M.J., w/ anchor, installed (7-05.9 & 9-30.2(1))	1	EA	$	$
25	12-inch Ductile Iron Cross, 4-B, M.J., installed (9-30.2(1))	2	EA	$	$
26	12-inch x 8-inch Ductile Iron Cross, 4-B, M.J., installed (9-30.2(1))	1	EA	$	$
27	12-inch Ductile Iron Ell, M.J., 45°, installed. (7-09, & 9-30.2(1))	24	EA	$	$
28	12-inch Ductile Iron Ell, M.J., 22 1/2°, installed. (7-09, & 9-30.2(1))	1	EA	$	$
29	8-inch Ductile Iron Ell, M.J., 45°, installed. (7-09, & 9-30.2(1))	6	EA	$	$
30	6-inch Ductile Iron Ell, M.J., 45°, installed. (7-09, & 9-30.2(1))	4	EA	$	$
31	12-inch Ductile Iron Solid Sleeve (Long Pattern) M.J., installed. (7-09.5, & 9-30.2(1))	1	EA	$	$
32	8-inch Ductile Iron Solid Sleeve (Long Pattern) M.J., installed. (7-09.5, & 9-30.2(1))	3	EA	$	$
33	20-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))	2	EA	$	$
34	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))	6	EA	$	$

Water Main Replacement Project 2019-45

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
35	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))	1	EA	$	$
36	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))	2	EA	$	$
37	20-inch Ductile Iron Cap, M.J., tapped 4", installed and removed (9-30.2(1) & 7-09.5)	2	EA	$	$
38	12-inch Ductile Iron Cap, M.J., tapped 2", installed and removed (9-30.2(1) & 7-09.5)	15	EA	$	$
39	8-inch Ductile Iron Cap, M.J., tapped 2", installed and removed (9-30.2(1) & 7-09.5)	6	EA	$	$
40	6-inch Ductile Iron Cap, M.J., tapped 2", installed and removed (7-09.5 & 9-30.2(1))	4	EA	$	$
41	8-inch Ductile Iron Plug, M.J., tapped 2", installed and removed (7-09.5 & 9-30.2(1))	4	EA	$	$
42	6-inch Ductile Iron Plug, M.J., tapped 2", installed and removed (7-09.5 & 9-30.2(1))	7	EA	$	$
43	4-inch Ductile Iron Plug, M.J., tapped 2", installed and removed (7-09.5 & 9-30.2(1))	9	EA	$	$
44	Temporary 4-inch Blow-Off Assembly, installed and removed (Dwg. 17-56-1) (7-09.3(22) & 7-09.5)	2	EA	$	$
45	Temporary 2-inch Blow-Off Assembly, installed and removed (Dwg. 17-56-1) (7-09.3(22) & 7-09.5)	45	EA	$	$
46	20-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	6	EA	$	$
47	12-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	41	EA	$	$
48	8-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	22	EA	$	$
49	6-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	50	EA	$	$
50	4-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	18	EA	$	$
51	6-inch Push on Joint Restraining Gasket, installed 9-30.2(6))	4	EA	$	$

BID PROPOSAL **Bidder_____**

Specification No. PW20-0015F ADDENDUM 1

Water Main Replacement Project 2019-45

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
52	Concrete Thrust Anchor, installed. (7-09.3(21) & 7-09.5)	58	EA	$	$
53	Temporary Concrete Thrust Anchor, installed and removed (7-09.3(21) & 7-09.5)	45	EA	$	$
54	Trench Compaction Test (as directed by the Inspector) (7-09.3(11) & 7-09.5)	106	EA	$	$
55	Test Holes (See Special Provisions). (7-09.3(6) & 7-09.5)	1	LS	Lump Sum	$
56	12-inch Butterfly valve, M.J., ANSI/AWWA, C504, with C.I. valve box (7-12 & 9-30.3)	20	EA	$	$
57	8-inch Gate Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box (7-12 & 9.30.3)	4	EA	$	$
58	6-inch Gate Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box (7-12 & 9.30.3)	14	EA	$	$
59	4-inch Gate Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box (7-12 & 9.30.3)	8	EA	$	$
60	6-inch Gate Valve, Flg x M.J., ANSI/AWWA, C509/C515, with C.I. Valve Box. (7-12 & 9.30.3)	2	EA	$	$
61	4-inch Gate Valve, Flg x M.J., ANSI/AWWA, C509/C515, with C.I. Valve Box. (7-12 & 9.30.3)	1	EA	$	$
62	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))	7	EA	$	$
63	Street cleaning with Self-propelled Pickup and Vacuum Street Sweeper Equipment. (8-01.3(8))	69	HR	$	$
64	Force Account (1-09.6)	1	EST	$60,000	$

(line #)

SUB-TOTAL, GROUP WA				$	(18)
10.3% SALES TAX (18) * 0.103				$	(19)
TOTAL OF BID, GROUP WA (18) + (19)				$	(20)

WSDOT Standard specifications, 2016, M41-10 referenced as guide in parenthesis ( ) in item description

BID TOTALS SUMMARY, ADDENDUM 1:

GROUP R: Roadway Bid Items

GROUP R TOTAL $_____ **(8)**

GROUP A: Asphalt Paving Bid Items

GROUP A TOTAL $_____ **(9)**

GROUP P: Power Bid Items

GROUP P SUB TOTAL (excluding sales tax) $_____ **(10)**

GROUP L: Lump Sum Bid Items

GROUP L TOTAL $_____ **(13)**

GROUP SD: Storm Sewer Bid Items

GROUP SD TOTAL $_____ **(14)**

GROUP S: Sanitary Sewer Bid Items

GROUP S SUB TOTAL (excluding sales tax) $_____ **(15)**

GROUP WA: Water Main Bid Items

GROUP WA SUB-TOTAL (excluding sales tax) $_____ **(18)**

TOTAL BASE BID (8) + (9) + (10) + (13) + (14) + (15) + (18) $_____
Excluding sales tax

Proposal for Incorporating Recycled Materials into the Project

In compliance with a new law that went into effect January 1, 2016 (SHB1695), the Bidder shall propose below, the total percent of construction aggregate and concrete materials to be incorporated into the Project that are recycled materials. Calculated percentages must be within the amounts allowed in Section 9-03.21(1)E, Table on Maximum Allowable Percent (By Weight) of Recycled Material, of the Standard Specifications.

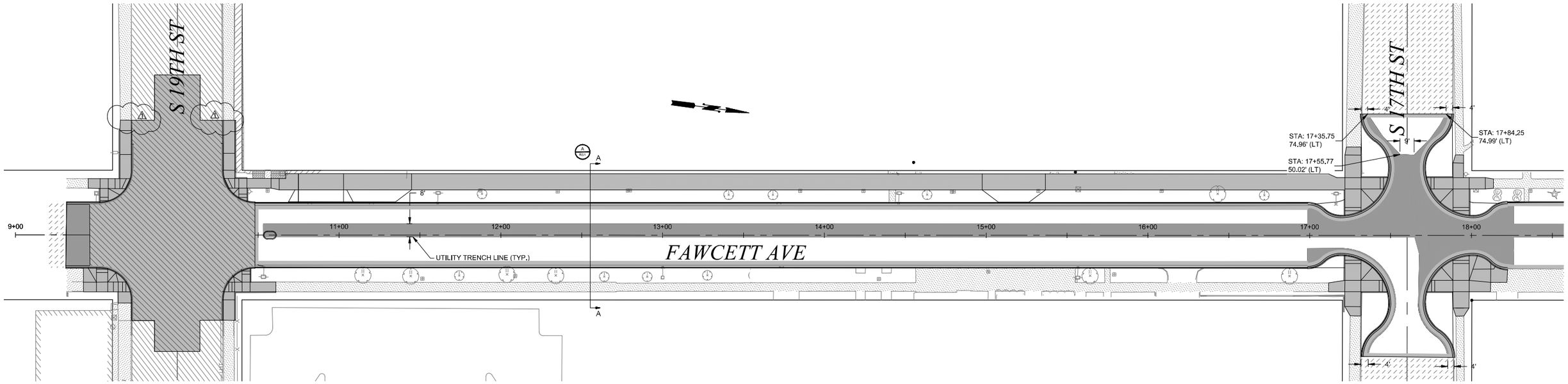
Proposed total percentage: _____ percent.

Note: Use of recycled materials is highly encouraged within the limits shown above, but does not constitute a Bidder Preference, and will not affect the determination of award, unless two or more lowest responsive Bid totals are exactly equal, in which case proposed recycling percentages will be used as a tie-breaker, per the APWA GSP in Section 1-02.6 of the Special Provisions. Regardless, the Bidder's stated proposed percentages will become a goal the Contractor should do its best to accomplish. Bidders will be required to report on recycled materials actually incorporated into the Project, in accordance with the APWA GSP in Section 1-06.6 of the Special Provisions.

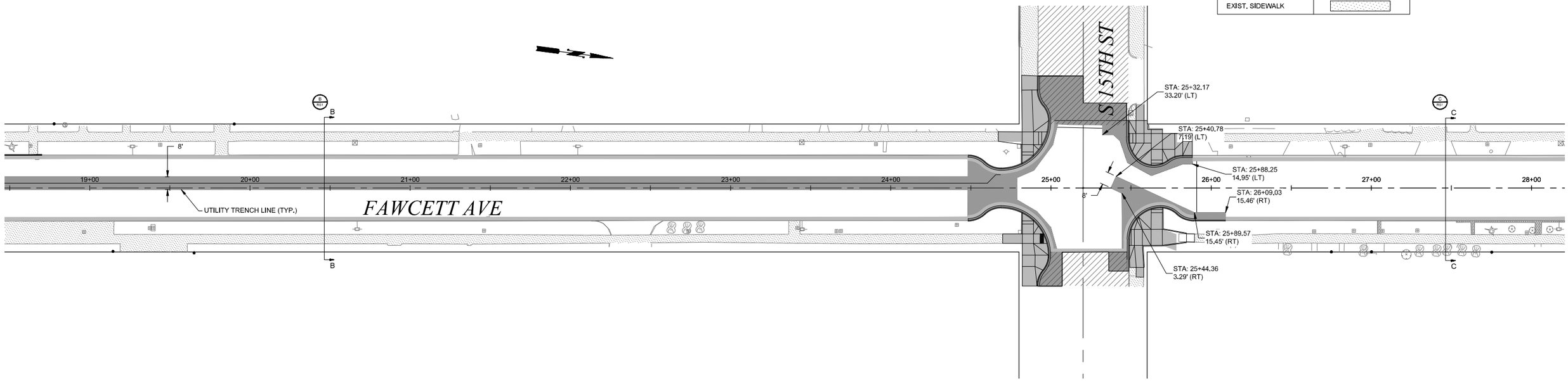
Contractor's Name:_____

The Contract bid Proposal quantities for the bid Proposal items listed here serve to provide a common Proposal for all Bidders. These quantities are expected to vary and shall be determined as the Work progresses, as directed by the Engineer. The City of Tacoma will pay for the actual quantity used and accepted into the project as approved by the Engineer:

- "Gravel Borrow Incl. Haul", per ton
- "Recycled Concrete Aggregate", per ton
- "Crushed Surfacing Top Course", per ton
- "Temporary Pavement Patch", per ton
- "HMA for Approach CL 3/8" PG 58H-22", per square yard
- "Cement Conc. Pedestrian Curb", per linear foot
- "Chain Link Fence Type 3", per linear foot
- "Quarry Spalls", per ton



SURFACE HATCHES LEGEND	
DESCRIPTION	
NEW CONCRETE ROAD	
NEW FULL DEPTH HMA	
HMA OVERLAY LIMITS	
NEW CONC. SIDEWALK	
EXIST. ASPHALT	
EXIST. CONC. ROAD	
EXIST. SIDEWALK	



CALL BEFORE YOU DIG

EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, POTHOLING AND AVOIDING ALL EXISTING UTILITIES.

CALL TWO BUSINESS DAYS BEFORE YOU DIG (1-800-424-5555) OR VISIT ONLINE: www.callbeforeyoudig.org

NO	REVISION	DATE	APPD
⚠	ADDENDUM 1	7/21/21	RVR

FINAL CONSTRUCTION CHECKED
BY
DATE
FIELD BOOKS

DATE	SCALE
JUL. 2021	1" = 30'
DESIGNED	CHECKED
RVR	DCS
DRAWN	PROJECT NAME
EJB	FAWCETT

DRAWING NAME: FAWCETT_19-6_HZ-CTL

RAYMOND D. VAN DER ROEST — STATE OF WASHINGTON — 34477 — REGISTERED PROFESSIONAL ENGINEER
07/23/2021

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

Chris Larson
ENGINEERING DIVISION MANAGER

PAVING PLAN
FAWCETT AVENUE
FROM S. 19TH ST TO 6TH AVE

PWK-G0032

SHEET NO.
SHEET PV-01 OF PV-03

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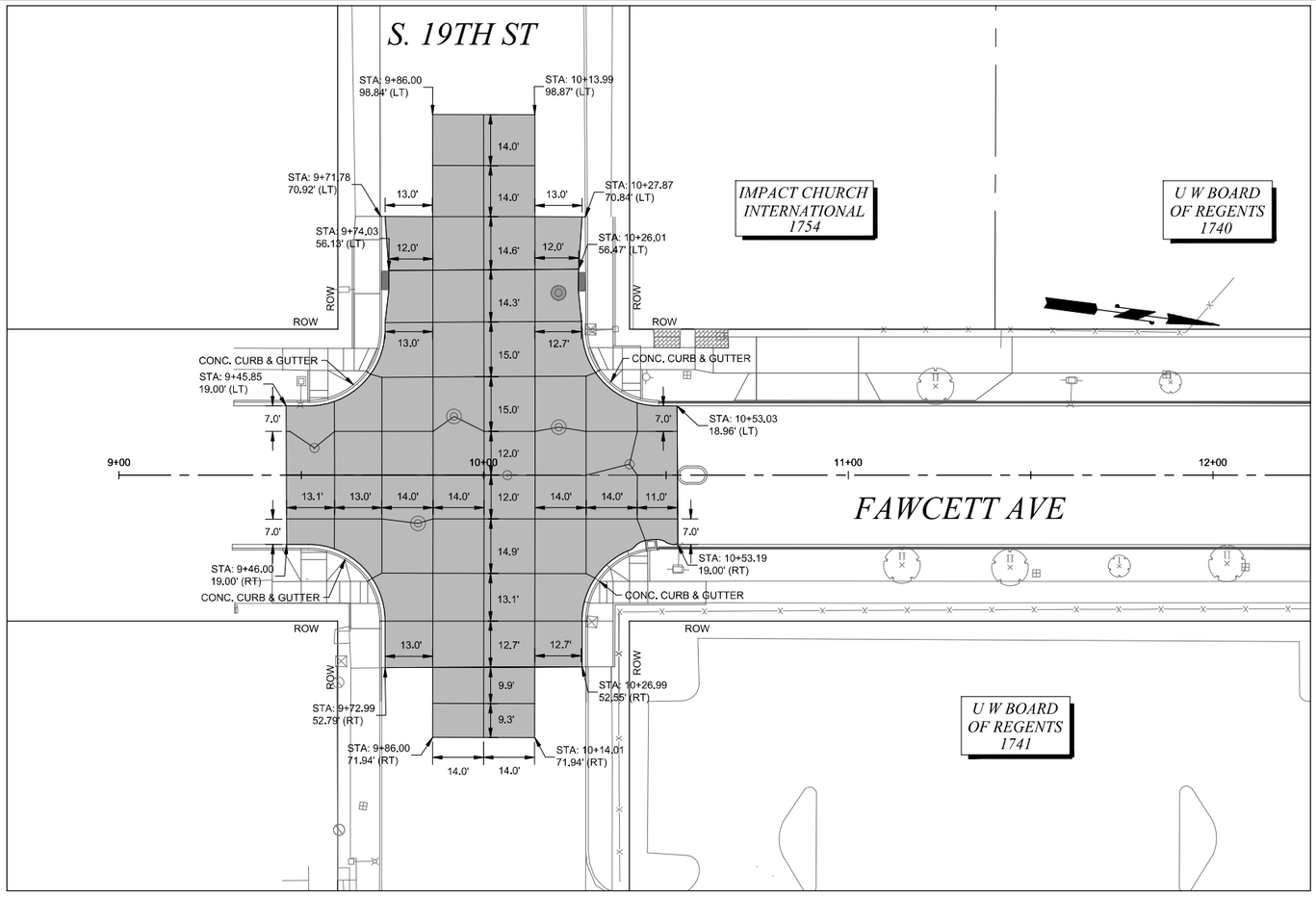

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(1-800-424-5555) OR VISIT ONLINE: www.callbeforeyoudig.org

NO	REVISION	DATE	APPD
1	ADDENDUM 1	7/21/21	RVR

FINAL CONSTRUCTION CHECKED
BY
DATE
FIELD BOOKS

DATE	JUL 2021
SCALE	1" = 20'
DESIGNED	RVR
CHECKED	DCS
DRAWN	EJB
PROJECT NAME	FAWCETT
DRAWING NAME	FAWCETT_19-6_JOINT

RAYMOND D. VAN DER HOEST — STATE OF WASHINGTON — 24477 — REGISTERED PROFESSIONAL ENGINEER
7/23/2021

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

Chris Larsen
ENGINEERING DIVISION MANAGER

BREWERY DISTICT IMPROVEMENT
PAVEMENT JOINTING PLAN
SOUTH 19TH ST & FAWCETT AVE

PWK-G0032

SHEET NO.
SHEET JT1 OF JT1

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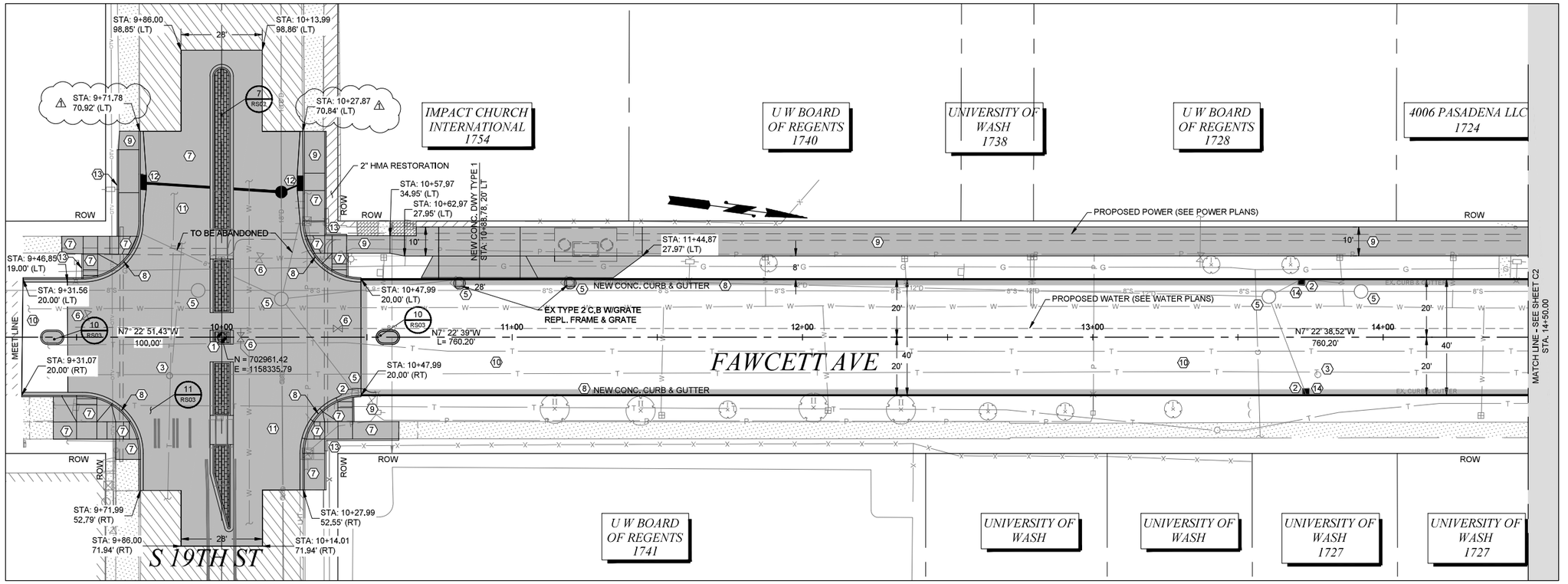

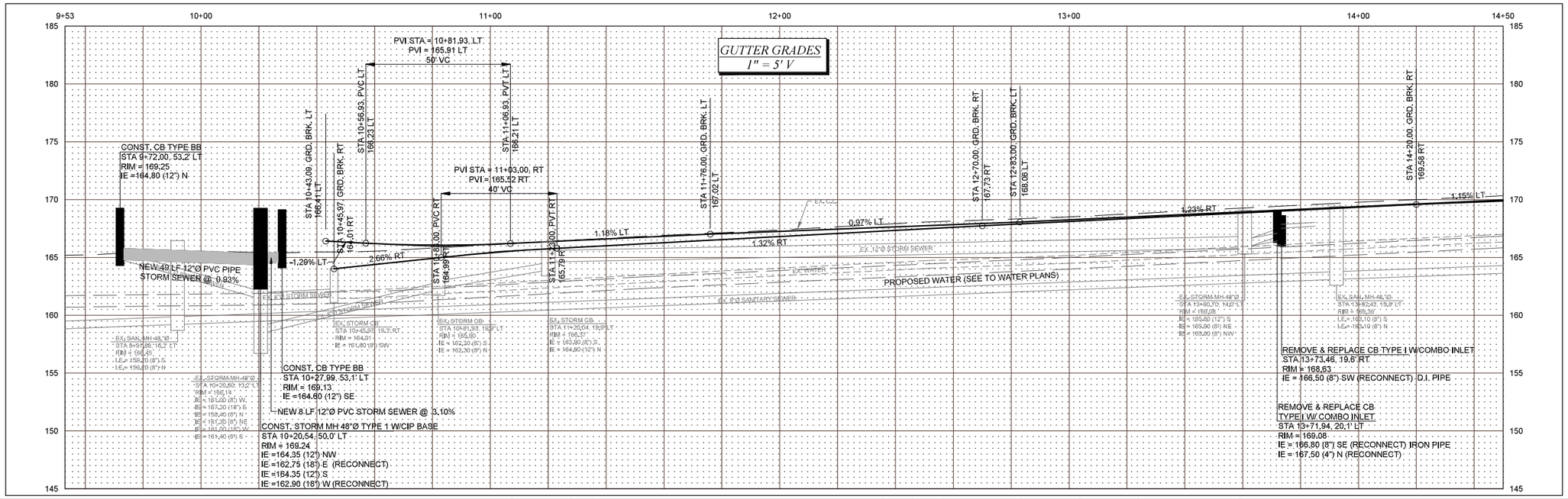

CONSTRUCTION NOTES

1. CONSTRUCT BRASS POURED MONUMENT PER CITY OF TACOMA STANDARD PLAN SU-01
2. PROVIDE INLET PROTECTION TO PROPOSED CATCH BASIN PER SPECIFICATION 8-01 UNTIL END OF CONSTRUCTION ACTIVITIES
3. TO BE ADJUSTED BY OTHERS
4. TO BE RELOCATED BY OTHERS
5. ADJUST TO GRADE PER SPECIFICATION 7-05
6. ADJUST EXISTING VALVE PER CITY OF TACOMA STANDARD SU-37
7. CONSTRUCT CEMENT CONCRETE CURB RAMP PER CURB RAMP DETAIL SHEETS.
8. CONSTRUCT CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER CITY OF TACOMA STANDARD PLAN SU-03
9. CONSTRUCT CEMENT CONCRETE SIDEWALK PER CITY OF TACOMA STANDARD PLAN SU-04
10. HMA PAVING AND OVERLAY IN ACCORDANCE WITH PAVING PLANS, ROAD SECTION AND SPECIFICATIONS SECTION 5-04
11. CONCRETE ROAD PAVEMENT IN ACCORDANCE WITH PAVING PLANS, CONCRETE ROAD SECTION DETAIL, STANDARD PLANS AND SPECIFICATIONS SECTION 5-05
12. NEW TYPE-BB CATCH BASIN PER DETAIL IN APPENDIX 'A' TO SPECIAL PROVISIONS.
13. CONSTRUCT CEMENT CONCRETE PEDESTRIAN CURB PER CITY OF TACOMA STANDARD PLAN SU-03A.
14. NEW TYPE 1 CB WITH COMBINATION INLET PER WSDOT STD. PLAN B-25.20-02
15. CONNECT THE SIDE SEWER TO THE NEW MAIN AT THE ACTUAL LOCATION FOUND IN THE FIELD. REPLACE THE SIDE SEWER TO THE EXTENT DESCRIBED IN THE SIDE SEWER NOTES (NOTE 2).
16. PROVIDE PARALLEL DISABILITY PARKING STALL OR PASSENGER LOAD ZONE PER CITY OF TACOMA STANDARD PLAN SU-36B

GENERAL NOTES

1. ALL APPROACHES SHALL BE GRADED AND PLACED TO ENSURE POSITIVE DRAINAGE.
2. ADJUSTING STRUCTURES SUCH AS MANHOLES AND VALVE CHAMBERS SHALL BE DONE PER C.O.T. STANDARD DETAIL SU-25 AND SU-37.
3. WHEN REMOVING AN APPROACH THE LIMITS SHALL BE FROM THE EDGE OF THE APPROACH TO A MINIMUM OF 2' BEHIND THE NEW EDGE OF PAVEMENT.

UTILITY NOTES

UTILITIES SHOWN ARE FROM SUB-CONSULTANT SURVEY AND CITY OF TACOMA GIS INFORMATION AND MAY NOT BE REPRESENTATIVE OF ACTUAL LOCATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THROUGH UTILITY LOCATE SERVICES, UTILITY AS- BUILT DRAWINGS, RECORD DRAWINGS AND POTHOLING THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES. ALL MEANS AND METHODS TO RESEARCH AND VERIFY EXISTING UTILITY LOCATIONS SHALL BE INCIDENTAL TO THE ASSOCIATED WORK.

HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: MIC
INTERSECTION OF S. 19TH ST. AND FAWCETT AVE.
ELEVATION = 165.12'

CITY OF TACOMA

SCALE IN FEET

CALL BEFORE YOU DIG

EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, POTHOLING AND AVOIDING ALL EXISTING UTILITIES.

CALL TWO BUSINESS DAYS BEFORE YOU DIG (1-800-424-5555) OR VISIT ONLINE: www.callbeforeyoudig.org

NO	REVISION	DATE	APPD
1	ADDENDUM 1	7/21/21	RVR

FINAL CONSTRUCTION CHECKED BY DATE
FIELD BOOKS

DATE	SCALE
JUL. 2021	1" = 20'
DESIGNED RVR	CHECKED DCS
DRAWN EJB	PROJECT NAME FAWCETT
DRAWING NAME FAWCETT_19-6_CONST	

RAYMOND D. VAN DER REST — STATE OF WASHINGTON — 36477 — REGISTERED PROFESSIONAL ENGINEER — 07/23/2021

Chris Larsen
ENGINEERING DIVISION MANAGER

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

BREWERY DISTRICT IMPROVEMENT
FAWCETT AVENUE
FROM S. 19TH ST TO 6TH AVE.

PWK-G0032

SHEET NO. C1 OF C11

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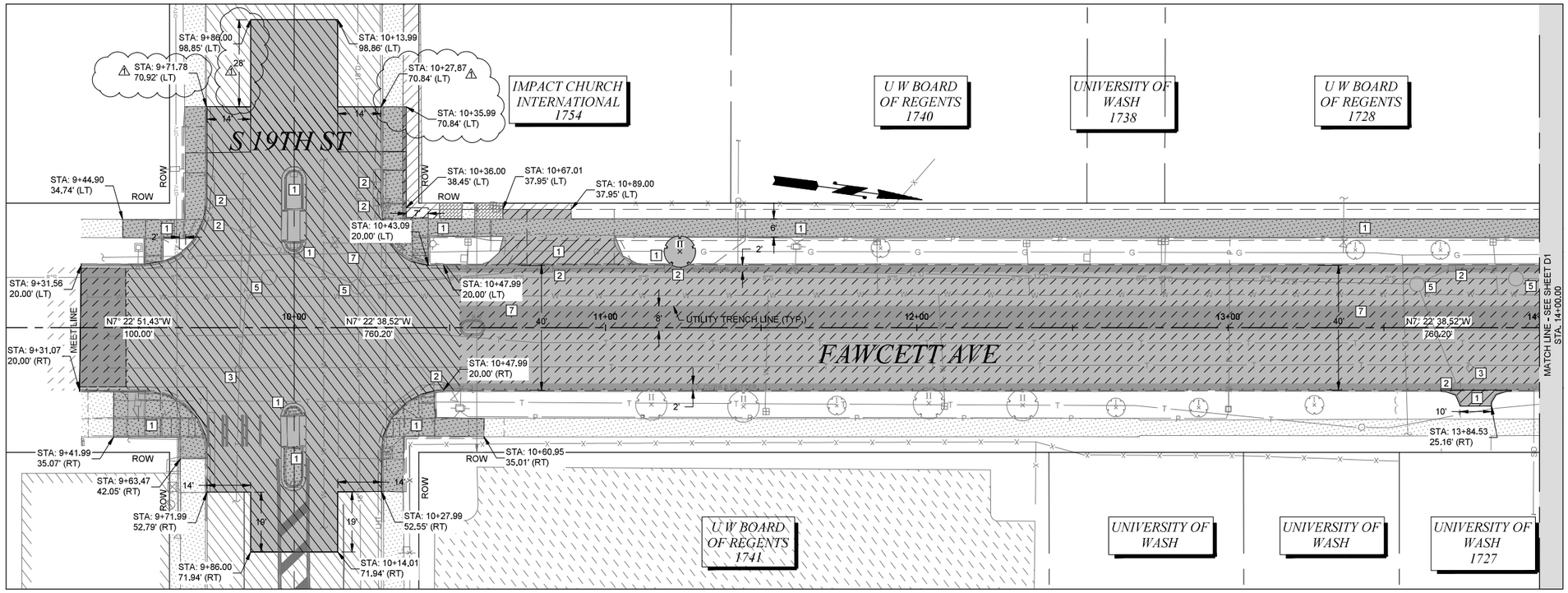
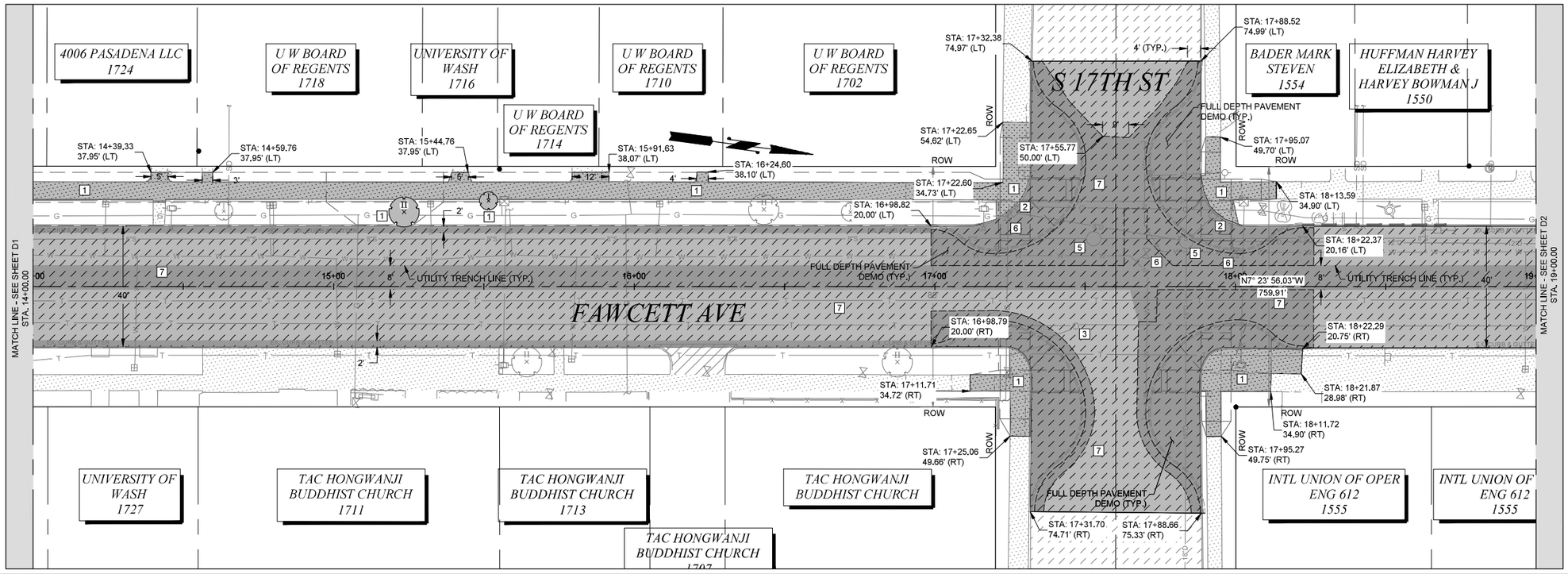
DEMOLITION NOTES

1. TO BE REMOVED
2. PROVIDE INLET PROTECTION TO EXISTING CATCH BASIN PER SPECIFICATION 8-01 UNTIL REMOVAL OR END OF CONSTRUCTION ACTIVITIES
3. TO BE ADJUSTED BY OTHERS
4. TO BE RELOCATED BY OTHERS
5. ADJUST TO GRADE PER SPECIFICATION 7-05
6. ADJUST EXISTING VALVE PER CITY OF TACOMA STANDARD SU-37
7. REMOVE PAVEMENT PER SPECIFICATION 2-14





HORIZ. DATUM: N.A.D. 83/91
VERT. DATUM: N.G.V.D. 29
BENCH MARK: MIC
INTERSECTION OF S. 19TH ST. AND FAWCETT AVE.
ELEVATION = 165.12'

CITY OF TACOMA

SCALE IN FEET: 20 0 20 40 60

CALL BEFORE YOU DIG

EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, POTHOLING AND AVOIDING ALL EXISTING UTILITIES.

CALL TWO BUSINESS DAYS BEFORE YOU DIG (1-800-424-5555) OR VISIT ONLINE: www.callbeforeyoudig.org

NO	REVISION	DATE	APPD
1	ADDENDUM 1	7/21/21	RVR

FINAL CONSTRUCTION CHECKED — BY — DATE — FIELD BOOKS

DATE: JUL. 2021	SCALE: 1" = 20'
DESIGNED: RVR	CHECKED: DCS
DRAWN: EJB	PROJECT NAME: FAWCETT
DRAWING NAME: FAWCETT_19-6_DEMO	

RICHARD D. VAN DER REST — STATE OF WASHINGTON — 21477 — REGISTERED PROFESSIONAL ENGINEER — 07/23/2021

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

Chris Larsen
ENGINEERING DIVISION MANAGER

DEMOLITION PLAN
FAWCETT AVENUE
FROM S. 19TH ST TO 6TH AVE.

PWK-G0032

SHEET NO. D1 OF D6

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1-02.6 Preparation of Proposal

(December 10, 2020 APWA GSP, Option B)

Supplement the second paragraph with the following:

4. If a minimum bid amount has been established for any item, the unit or lump sum price must equal or exceed the minimum amount stated.

5. Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed by the signer of the bid.

Delete the last two paragraphs, and replace them with the following:

The Bidder shall submit with their Bid a completed Contractor Certification Wage Law Compliance form, provided by the Contracting Agency. Failure to return this certification as part of the Bid Proposal package will make this Bid Nonresponsive and ineligible for Award. A Contractor Certification of Wage Law Compliance form is included in the Proposal Forms.

The Bidder shall make no stipulation on the Bid Form, nor qualify the bid in any manner.

A bid by a corporation shall be executed in the corporate name, by the president or a vice president (or other corporate officer accompanied by evidence of authority to sign).

A bid by a partnership shall be executed in the partnership name, and signed by a partner. A copy of the partnership agreement shall be submitted with the Bid Form if any UDBE requirements are to be satisfied through such an agreement.

A bid by a joint venture shall be executed in the joint venture name and signed by a member of the joint venture. A copy of the joint venture agreement shall be submitted with the Bid Form if any UDBE requirements are to be satisfied through such an agreement.

Cooperation With Other Contractors

Section 1-05.14 is supplemented with the following:

(March 13, 1995)

Other Contracts Or Other Work

It is anticipated that the following work adjacent to or within the limits of this project will be performed by others during the course of this project and will require coordination of the work:

- Private Development along western side of Fawcett Ave, between S 13th St and S 15th St; City Contact: Joy Rodriguez, 253-591-5098; On-Site Contact: TBD
- Private Development at NE corner of Fawcett Ave / S 13th St intersection (Beacon Center); City Contact: Joshua Clarke, 253-591-5395; On-Site Contact: TBD
- Adjacent City Project “Fawcett Avenue from S 19th St to S 21st St”; City Contact: Darius Thompson, 253-573-2410; On-Site Contact: TBD

1-07.23 Public Convenience and Safety

1-07.23(1) Construction Under Traffic

Section 1-07.23(1) is supplemented with the following:

(January 5, 2015)

Lane closures are subject to the following restrictions:

Fawcett Avenue (arterial), South 19th Street (arterial), South 17th Street, South 15th Street (arterial), South 13th Street (arterial), South 11th Street (arterial), South 9th Street (arterial), South 7th Street, Baker Street, 6th Avenue (arterial), Court E, Court F, Court G, Tacoma Avenue South (arterial), South G Street, and Yakima Avenue (arterial) shall remain fully open to vehicular (including bicyclists) and pedestrian traffic at all times.

EXCEPTION:

Non-arterial classified roadways are permitted to be closed to traffic so long as local access to properties and businesses is accommodated in the following scenarios:

- During construction working hours (i.e., weekdays 7 AM to 7 PM) when arrangements in advance have been made through coordination between the requestor, the contractor, and the City;
- During construction working hours when special/emergency access is needed;
- During construction working hours when emergency services needs to use the roadway;
- During construction working hours when passage through/along the work area is the only means to access an intersecting road and/or adjacent property; and
- During non-construction hours (i.e., all other hours other than the working hours).

If the Engineer determines the permitted closure hours adversely affect traffic, the Engineer may adjust the hours accordingly. The Engineer will notify the Contractor in writing of any change in the closure hours.

Lane closures are not allowed on any of the following:

1. A holiday,

2. A holiday weekend; holidays that occur on Friday, Saturday, Sunday or Monday are considered a holiday weekend. A holiday weekend includes Saturday, Sunday, and the holiday.

3. After 5 PM on the day prior to a holiday or holiday weekend, and

4. Before 7 AM on the day after the holiday or holiday weekend.

Retainage

Section 1-09.9(1) content and title is deleted and replaced with the following:

(June 27, 2011)

Vacant

2-03 ROADWAY EXCAVATION AND EMBANKMENT (******)

2-03.1 Description

The last sentence of the first paragraph is deleted.

2-03.3 Construction Requirements

This section is supplemented with the following:

The Contractor shall haul and dispose of all material excavated from the Project site in accordance with the Contract, Plans and Specifications, and in accordance with Special Provisions Section 2-17.

All soil from roadway excavation activities will be disposed of off site and shall be considered unsuitable fill material.

2-03.3(5) Slope Treatment

This section is deleted.

2-03.3(19) Removal of Pavement, Sidewalks, Curbs, and Gutters

This section is deleted.

Section 2-03.3 is supplemented with the following:
(******)

2-03.3(20) Field Adjustment

Field adjustment involves adjustments to horizontal or vertical alignments, or grades that are shown in the plans or directed by the Engineer and will be performed as needed to address issues with drainage, street crowning, cross slopes, curb ramps, and connections to existing grades for the finished product as directed by the Engineer. The Contractor and the Engineer shall collaborate on field adjustments. All grade checking needed to complete the field adjustments shall be provided by the Contractor. The Contractor shall continue work, during the field adjustment time, in unaffected areas of the Project, in accordance with the Plans and Specifications. Some localized delay is inherent in this process, and the contractor shall be prepared to collaborate and move crews on to other work locations. Compensation for field adjustments shall be per Section 1-09.6, Force Account. The contractor shall not be entitled to additional compensation or additional work days due to delays from field adjustments.

2-03.5 Payment

This section is supplemented with the following:

"Roadway Excavation of Contaminated Material, Incl. Haul", per cubic yard.

The unit Contract price per cubic yard for "Roadway Excavation of Contaminated Material, Incl. Haul" shall be full compensation for all costs incurred for excavating, loading, haul, and disposal at LRI or other approved facility in accordance with Special Provisions Section 2-17.

"Roadway Excavation of Non-Contaminated Material, Incl. Haul", per cubic yard.

The unit Contract price per cubic yard for "Roadway Excavation of Non-Contaminated Material, Incl. Haul" shall be full compensation for all costs incurred for excavating, loading, disposal and haul of non-contaminated material in accordance with Special Provisions Section 2-17.

"Field Adjustment", by Force Account

END OF SECTION

6-02 CONCRETE STRUCTURES
(*******)

6-02.3(1) Classification of Structural Concrete
This section is supplemented with the following:

Sidewalks, curb ramps, and pedestrian curbs shall be constructed with Concrete Class 3000 psi. at a minimum.

Driveway Entrances shall be constructed with Concrete Class **4000** psi. at a minimum.

Curbs and Gutters shall be constructed with Concrete Class **4000** psi. at a minimum.

Traffic Island concrete pavement shall be Concrete Class **4000** psi. and shall be in accordance with Section 5-05.

6-02.3(2)B Commercial Concrete
The second paragraph is revised to read:

Where concrete Class 3000 is specified for items such as culvert headwalls, plugging culverts, concrete pipe collars, pipe anchors, monument cases, Type PPB, PS, I, FB and RM signal standards, pedestals, cabinet bases, guardrail anchors, and fence post footings, the Contractor may use commercial concrete.

This section is supplemented with the following:

The Contractor shall not use commercial concrete for driveway entrances, curb ramps, sidewalks and trails, curbs, and curbs and gutters.

END OF SECTION

8-01 EROSION CONTROL AND WATER POLLUTION CONTROL (******)

8-01.1 Description

This section is supplemented with the following:

The City of Tacoma Stormwater Management Manual is available on the City's website at www.cityoftacoma.org/stormwatermanual .

The City of Tacoma has been issued a Washington State Department of Ecology NPDES Construction Stormwater General Permit for this project. This Work also consists of administration and compliance with the requirements of this permit for this project. A copy of this permit is included in the Appendix of these Special Provisions.

Environmental information for the general area's soil and groundwater is contained in the Appendix of these Special Provisions.

8-01.3(1) General

This section is supplemented with the following:

The Contractor shall perform all work in compliance with the NPDES Construction Stormwater General Permit issued for this project.

The permit shall be transferred to the Contractor prior to issuance of a Notice to Proceed and terminated upon completion of the project per the following:

1. The City will provide the Contractor with a Transfer of Coverage form prior to issuing a Notice to Proceed.
2. The Contractor shall sign and return the Transfer of Coverage form to the City.
3. The City will process the transfer and pay any associated transfer fees to the Washington State Department of Ecology.
4. Once the transfer is complete and a Notice to Proceed has been issued, the Contractor is responsible for performing all work in compliance with the permit and the plans and specifications.
5. The Contractor shall pay any renewal fees if the need for permit renewal is caused by contractor, otherwise the City will pay all renewal fees.
6. Upon Physical Completion of the Work the Contractor shall submit a Notice of Termination to the Washington State Department of Ecology and provide the City documentation that the termination is effective.

8-01.3(1)A Submittals

This section is revised to read:

The Contractor shall prepare and implement a project-specific Construction Stormwater Pollution Prevention Plan (SWPPP) in accordance with the City of Tacoma Stormwater Management Manual (SWMM), Volume 2. The SWPPP is a document that describes the

potential for pollution problems on a construction site and explains and illustrates the measures to be taken on the construction site to control those problems.

The Construction SWPPP shall be prepared as a stand-alone document consisting of two sections: Section 1) Construction SWPPP Narrative and Section 2) Temporary Erosion and Sediment Control (TESC) Plans.

The Contracting Agency has prepared the Construction Stormwater Pollution Prevention Plan Checklist to aid the Contractor in development of the SWPPP. This checklist provides the Contractor with a tool to determine if all the major items are included in the Construction SWPPP and on the TESC Plans and can be found in Volume 2, Chapter 2 of the SWMM. Contractors are encouraged to complete and submit this checklist with the Construction SWPPP.

The Department of Ecology has prepared a SWPPP template that can be used for projects in the City of Tacoma. The template can be found on Ecology's website at: http://www.ecy.wa.gov/programs/wq/stormwater/construction/resourcesguidance.html. The Contractor developing the SWPPP must ensure that all references are appropriate for the City of Tacoma.

The SWPPP is considered a "living" document that shall be revised to account for additional erosion control/pollution prevention BMPs as they become necessary and are implemented in the field during project construction. A copy of the most current SWPPP and TESC Plan shall remain on-site at all times and an additional copy shall be forwarded to the Engineer. At the Contractor's preference, revisions to the SWPPP and TESC Plan may be forwarded to the Engineer rather than submitting a complete document. Revisions to the SWPPP and TESC Plan may be kept on-site in a file along with the original SWPPP document.

The Contractor shall provide Stormwater Pollution Prevention Plan inspection reports or forms per 8-01.3(1) B to the Project Engineer no later than the end of the next working day following the inspection.

The Contractor shall submit a Dewatering Plan in accordance with these Special Provisions and Section 8-01.3(1)C, Water Management.

The Contractor shall submit a copy of the S.A.D. Permit approval in accordance with these Special Provisions and Section 8-01.3(1)C, Water Management.

8-01.3(1)B Erosion and Sediment Control (ESC) Lead
This section is revised to read:

The Contractor shall identify the ESC Lead at the Preconstruction Meeting and the contact information for the ESC Lead shall be added to the Stormwater Pollution Prevention Plan (SWPPP) Report and the Temporary Erosion and Sediment Control (TESC) Plan Sheet. The ESC Lead shall maintain, for the life of the contract, a current Certified Erosion and Sediment Control Lead (CESCL) certificate or maintain a current Certified Professional in Erosion and Sediment Control (CPESC) certificate from a course approved by the Washington State Department of Ecology. The CESCL or CPESC shall be listed on the Emergency Contact List required under Section 1-05.13(1).

The CESCL or CPESC shall direct implementation of the measures identified in the SWPPP and as shown on the TESC plan. Implementation shall include, but is not limited to the following:

1. Installing and maintaining all temporary erosion and sediment control Best Management Practices (BMPs) included in the SWPPP and as shown on the TESC plan. Damaged or inadequate BMPs shall be corrected as needed to assure continued performance of their intended function in accordance with BMP specifications and Permit requirements.
2. Performing monitoring as required by the NPDES Construction Stormwater General Permit.
3. Inspecting all on-site erosion and sediment control BMPs at least once every calendar week and within 24 hours of any discharge from the site. A SWPPP Inspection report or form shall be prepared for each inspection and shall be included in the SWPPP file. A copy of each SWPPP Inspection report or form shall be submitted to the Engineer no later than the end of the next working day following the inspection. The report or form shall include, but not be limited to the following:

a. When, where, and how BMPs were installed, maintained, modified, and removed.
b. Observations of BMP effectiveness and proper placement.
c. Recommendations for improving future BMP performance with upgraded or replacement BMPs when inspections reveal SWPPP inadequacies.
d. Approximate amount of precipitation since last inspection and when last inspection was performed.

4. Updating and maintaining a SWPPP file on site that includes, but is not limited to the following:

a. SWPPP Inspection Reports or Forms.
b. SWPPP narrative.
c. National Pollutant Discharge Elimination System Construction Stormwater General Permit (Notice of Intent).
d. All documentation and correspondence related to the NPDES Construction Stormwater General Permit.
e. Other applicable permits.

Upon request, the file shall be provided to the Engineer for review.

8-01.3(1)C Water Management

This section is revised to read:

Refer to Appendix C for the the Soil and Groundwater Characterization and Material Management Report prepared by GeoEngineers for this Project. This report provides groundwater quality data in the vicinity of the Project.

General. The Contractor is responsible for keeping excavations free from standing water during construction and disposing of the water in a manner that will not cause pollution, injury to public or private property, or cause a nuisance to the public. Groundwater flowing toward, into, or within excavations shall be controlled to prevent sloughing of excavation walls, boils, uplift, and heave in the excavation, and to eliminate interference with orderly progress of construction. The control of groundwater shall be such that softening of the bottom of excavations, or formation of "quick" conditions or "boils" during excavation, shall not occur. The Contractor is responsible for all foundation material required due to lack of dewatering efforts.

Data collected to characterize the soil and groundwater in the project area did not encounter groundwater within the excavation footprint. Geologic conditions within the project area vary. Additionally, there are seasonal fluctuations in the groundwater level. If the groundwater is encountered in excavations in quantities that require pumping, storage and discharge to the sanitary sewer to achieve project objectives the dewatering requirements below will be applicable to complete dewatering. If dewatering by pumps and treatment or discharge to the City sanitary sewer is required, as approved by the Engineer, then the Contractor will be paid under a Force Account per Section 8-01.5.

Groundwater analytical data and groundwater elevations in the vicinity of Fawcett Avenue from South 17th Street to South 19th Street are included in Appendix C of these Special Provisions.

Dewatering Requirements. The Contractor shall design, construct, and operate a dewatering system in accordance with this Section and the SAD Authorization as necessary to achieve the objectives of the Project. The Contractor shall have competent workers available at all times for the continuous and successful operation of the dewatering and monitoring system as necessary if dewatering is required in subsurface excavations at the Site.

Dewatering Plan. The Contractor shall submit a dewatering plan to the Engineer for review in accordance with Section 1-05 if a dewatering system is required to be installed in open excavations to complete the Project. Review of the dewatering plan submitted by the Contractor shall not relieve the Contractor from full responsibility for adequate design and performance of the system. The Contractor shall be solely responsible for the proper design, installation, operation and maintenance of the dewatering system. The Contractor shall be liable for any damages caused by system failure.

The dewatering plan shall include the following components:

1. System Components – Describe the method and equipment proposed for dewatering the excavation. The Contractor shall have on hand sufficient pumping equipment and machinery in good working condition for all emergencies, including power outage and flooding.
2. Treatment Method – Describe how dewatering water that is to be discharged to the City's sanitary sewer system will be treated to meet the applicable discharge limits of the Special Approved Discharge Authorization and Tacoma Municipal Code 12.08. Provide applicable calculations.
3. Point of Discharge – Describe the point of discharge of the dewatering water. Any discharges to private property will require written documentation from the property owner that this point of discharge is permitted. The Contractor shall provide all proposed points of discharge as part of the Special Approved Discharge Authorization Application.
4. Maintenance Plan – Describe how the designed system will be maintained over the course of the project.
5. Monitoring Plan – Describe how discharge will be monitored to ensure compliance with all discharge requirements.
6. Special Approved Discharge (SAD) Authorization Application – The Contractor shall apply for a SAD Authorization as part of the dewatering plan. No discharge of dewatering water to the City's sewer systems will be permitted without obtaining this authorization. The City

Construction Manager will provide the SAD authorization application to the Contractor after award of the contract.

Requirements for Dewatering Water Discharge to the Storm Sewer System.
Dewatering water will not be permitted to be discharged into the stormwater system on this project.

Requirements for Dewatering Water Discharge to the Sanitary Sewer System.
Prior to discharge of dewatering water to the City's sanitary sewer system, sediment control BMPs must be employed. Groundwater discharges to the sanitary sewer system shall have 225 mg/L or less of Total Suspended Solids (TSS) and below chemical limits of the Special Approved Discharge Authorization (SAD Permit) and Tacoma Municipal Code 12.08.020. TSS and other analytical testing may be completed by the City Lab with a three-day turnaround, or by a third party laboratory at no additional cost to the City.

In addition to the TSS Requirements, the water shall contain no visible oil sheen or chemical odors. If the Contractor encounters any signs of oil within the soil or dewatering water, including any sheen on the water, and/or any chemical odor in the water or soils, the Engineer and Source Control shall be notified immediately and all discharges to the sanitary sewer system shall be stopped immediately.

In the presence of oil sheens and/or chemical odors, the Contractor shall test the dewatering water prior to discharge for contaminants referenced in the Special Approved Discharge Authorization and Tacoma Municipal Code 12.08.020. All discharges to the City's sanitary sewer system shall not exceed the limits of the Special Approved Discharge Authorization or TMC 12.08.020, whichever is most stringent.

The Contractor shall control the flow of water into the downstream system to ensure that the capacity of the City's sanitary sewer system is not exceeded as a result of the additional flows caused by the dewatering water. The Contractor shall contact the Engineer to request pipe capacity information for the Contractor's proposed discharge points.

The Contractor shall measure and record in gallons the total quantity of dewatering water discharged to the sanitary sewer system. This can be done by metering the flow or calculating batch discharges based on the volume of tanks used. In accordance with the SAD Authorization, the Contractor shall report the discharge quantities with the associated test results to Source Control.

8-01.3(8) Street Cleaning
The last scentence is revised to read:

Street washing with water shall not be permitted.

8-01.3(9)D Inlet Protection
Replace the third paragraph of this section with the following:

When the depth of accumulated sediment and debris reaches approximately 1/3 the height of an internal device or 1/3 the height of the external device (or less when so specified by

the manufacturer), or as designated by the Engineer, the sediment and debris shall be removed and disposed of per SWMM BMP C220 or as specified on the Plans or within the SWPPP.

The section is supplemented with the following:

Only bag-type filters are allowed for use in the public right of way.

8-01.4(2) Item Bids
This section is supplemented with the following:

No specific unit of measurement shall apply to the lump sum item "Stormwater Pollution Prevention Plan (SWPPP)".

No specific unit of measurement shall apply to the lump sum item "NPDES Construction Stormwater General Permit".

8-01.4(4) Items not included with Lump Sum Erosion Control and Water Pollution Prevention
This section is revised to read:

Vacant

8-01.5 Payment

8-01.5(2) Item Bids
This section is supplemented with the following:

"Stormwater Pollution Prevention Plan (SWPPP)", lump sum.

The lump sum contract price for "Stormwater Pollution Prevention Plan (SWPPP)" shall be full pay for all costs, including but not limited to, preparing, submitting, revising, and resubmitting revisions for the Stormwater Pollution Prevention Plan.

"NPDES Construction Stormwater General Permit", lump sum.

The lump sum contract price for "NPDES Construction Stormwater General Permit" shall be full pay for all costs, including but not limited to, transfer of coverage, sampling, monitoring, reporting, coordinating, inspecting, materials and labor, and all fees and any other expenses necessary to fully comply with the requirements of the Permit up to and including termination of the Permit and completion of the Work The lump sum price shall also include all costs necessary to supply the City of Tacoma with all information as ecessary to ensure compliance with the permit.

"Dewatering Plan and SAD permit", lump sum

The lump sum Contract price for "Dewatering Plan and SAD permit" shall be full pay for all costs to submit a dewatering plan and to obtain a SAD permit in accordance with the Contract and these Special Provisions.

"Dewatering", by Force Account

Only if pumping and treatment or discharge to the sanitary sewer, and activating the SAD permit becomes necessary, and only as approved by the Engineer; then the City of Tacoma shall compensate dewatering work in accordance with these Special Provisions by Force Account, per Section 1-09.6.

8-01.5(4) Items not included with Lump Sum Erosion Control and Water Pollution Prevention

This section is revised to read:

Vacant

END OF SECTION

8-04 CURBS, GUTTERS, AND SPILLWAYS
(******)

8-04.3 Construction Requirements
This Section is supplemented with the following:

Soil excavated in connection with this Work shall be included in the measurements and payments for "Roadway Excavation ____ Incl. Haul" in accordance with Section 2-03, Roadway Excavation and Embankment.

The Contractor shall haul and dispose of all soil material excavated from the Project site in accordance with Special Provisions Sections 2-03, and 2-17.

8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways
The first paragraph is revised to read:

Cement concrete curb, curb and gutters, gutters, and spillways shall be constructed with air entrained concrete Class 4000 conforming to the requirements of Section 6-02.

Section 8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways is supplemented with the following:

Cement Conc. Pedestrian Curb shall be constructed with air entrained concrete Class 3000 conforming to the requirements of Section 6-02. Where Cement Conc. Pedestrian Curb is constructed as part of a curb ramp system, and is adjacent to a ramp or landing, there the pedestrian curb shall be included in the Contract unit price per each for "Cement Conc. Curb Ramp". Everywhere else, the pedestrian curb shall be paid in accordance with Section 8-04.5.

Where curb and gutter is placed adjacent to cement concrete pavement the Contractor shall construct the gutter pan to match the concrete road pavement in thickness, except that the minimum shall be 6-inch thickness and the maximum shall be 12-inch thickness. The Contractor shall create a straight, smooth and perpendicular expansion joint surface, and if necessary sawcut protrusions to achieve this, as directed by the Engineer.

Curb and gutter at catch basins shall be constructed with a widened gutter pan in accordance with the Plans, Standard Plan SU-30, and any detail drawings for catch basins and gutters, and as directed by the Engineer. Widened gutter pans shall be included in both the Work and Contract unit price for curb and gutter per linear foot.

(******) Mountable Traffic Island Curb

Mountable Traffic Island Curb shall be constructed in accordance with the Plans, with air entrained concrete Class 4000 conforming to the requirements of Section 6-02. The #3 Reinforcing bar hoops shall be centered in each curb segment as shown per Plan. The rebar hoops are not shown true to scale and can be of a shape that is available from the supplier, as approved by the Engineer.

Section 8-04.3 Construction Requirements is supplemented with the following:

8-04.3(6) Cold Weather Work

The following additional requirements for placing concrete shall be in effect from November 1 to April 1:

1. The Engineer shall be notified at least 24 hours prior to placement of concrete.
2. All concrete placement shall be completed no later than 2:00 p.m. each day.
3. Where forms have been placed and the subgrade has been subjected to frost, no concrete shall be placed until the ground is completely thawed. At that time, the forms shall be adjusted and subgrade repaired as determined by the Engineer.

8-04.5 Payment

This section is supplemented with the following:

(******)
"Cement Conc. Traffic Curb and Gutter", per linear foot

The unit Contract price per linear foot for "Cement Conc. Traffic Curb and Gutter" shall be full pay for all labor, tools, equipment, and materials required to construct the concrete curbs and gutters according to the Plans and these Specifications. The unit Contract price per linear foot for "Cement Conc. Traffic Curb and Gutter" shall include widened gutter pans at catch basins. **This bid item shall include all curb types that are not specifically included in the bid Proposal.**

"Mountable Traffic Island Curb", per linear foot

The unit contract price per linear foot for "Mountable Traffic Island Curb" shall be full pay for all labor, tools, equipment, and materials required to construct this type of curb, in accordance with the Plans, including furnishing and installing reinforcing bars and rebar hoops per Plans.

"Cement Conc. Pedestrian Curb", per linear foot

The unit Contract price per linear foot for "Cement Conc. Pedestrian Curb" shall be full pay for all labor, tools, equipment, and materials required to construct this type of curb, in accordance with the Plans and as directed by the Engineer. The Contract bid Proposal quantity for "Cement Conc. Pedestrian Curb" serves to provide a common Proposal for all Bidders. The City of Tacoma will pay for the actual quantity used.

Excavation required for the construction of any curb type shall be paid for under the unit contract price for "Roadway Excavation____, Incl. Haul".

END OF SECTION

8-14 CEMENT CONCRETE SIDEWALKS (******)

8-14.3 Construction Requirements

This Section is supplemented with the following:

Soil excavated in connection with this Work shall be included in the measurements and payments for "Roadway Excavation ____ Incl. Haul" in accordance with Section 2-03, Roadway Excavation and Embankment.

The Contractor shall haul and dispose of all soil material excavated from the Project site in accordance with Special Provisions Sections 2-03, and 2-17.

Historical Stamp and Impression

Where historical contractor stamps are encountered in the existing sidewalk, the Contractor shall salvage such panels as a historical display and place these as directed by the Engineer.

Minor Restoration of walls, building faces, or other adjoining structures

Where minor and cosmetic damage to buildings, walls or other structures adjoins proposed sidewalk or curb ramp Work, the Contractor shall restore these with concrete cement, mortar, grout or any appropriate cement as directed by the Engineer. This Work shall be included in the Contract unit price for "Cement Conc. Sidewalk".

8-14.3(3) Placing and Finishing Concrete

The fourth paragraph is revised to read:

The Contractor shall construct curb ramps in accordance with the details in the Plans. The detectable warning pattern shall have the truncated dome shape shown in the Standard Plans.

8-14.3(4) Curing

The second sentence is revised to read:

Curing shall be in accordance with Section 5-05.3(13).

Section 8-14 is supplemented with the following:

8-14.3(20) Cold Weather Work

The following additional requirements for placing concrete shall be in effect from November 1 to April 1:

1. The Engineer shall be notified at least 24 hours prior to placement of concrete.
2. All concrete placement shall be completed no later than 2:00 p.m. each day.
3. Where forms have been placed and the subgrade has been subjected to frost, no concrete shall be placed until the ground is completely thawed. At that time, the forms shall be adjusted and subgrade repaired as determined by the Engineer.

8-14.3(21) Thickened Edge for Sidewalk

Thickened edges shall be constructed in accordance with the standard plan.

8-14.5 Payment

The pay item "Cement Conc. Sidewalk" is supplemented with the following:

All additional costs related to the construction of thickened edges shall be included in the Contract unit price for "Cement Conc. Sidewalk".

All additional costs related to the salvaging and placement of historical contractor stamps shall be included in the Contract unit price for "Cement Conc. Sidewalk".

All additional costs related to Minor Restoration in accordance with Section 8-14.3 shall be included in the Contract unit price for "Cement Conc. Sidewalk".

The sixth paragraph is revised to read:

Excavation required for the construction of the sidewalk shall be paid for under the unit contract price for "Roadway Excavation____, Incl. Haul".

This section is supplemented with the following:

Where Cement Conc. Pedestrian Curb is constructed as part of a curb ramp system, and is adjacent to a ramp or landing, there the pedestrian curb shall be included in the Contract unit price per each for "Cement Conc. Curb Ramp".

"Cement Conc. Curb Ramp", per each

The unit Contract price per each for "Cement Conc. Curb Ramp" shall be full pay for installing the complete curb ramp per Plans and Specifications, and as directed by the Engineer, including ramps, landings, flares, wings, pedestrian curbs adjacent to ramps and landings, and detectable warning surfaces as specified.

END OF SECTION

Public Convenience and Safety

Additional Temporary Traffic Control Requirements:

During non-construction hours, the project area shall be left in a state that permits on-street parking (as was allowable prior to project start) as a default so long as the permitted parking does not hamper the flow of traffic, temporary traffic control, safety, and/or the practical ability to re-establish the work zone for the next work shift.

Spotters to assist pedestrians through or around the work zone must be available when deemed necessary by the City based on the work zone/working conditions and/or when deemed necessary for safe traffic operations by the City. Contributing circumstances requiring spotters must be mitigated prior to non-working hours, otherwise spotters/flaggers would be required during non-working hours, too.

Any demolition, or closure of pedestrian accessibility, at a given corner of an intersection must be limited to that given corner, with the remaining three corners at the intersection (at a minimum) being used to facilitate a pedestrian detour, until full accessibility or an accessible connection with at least one other corner can be re-established. Any temporary pedestrian access path/route that may be employed shall provide equivalent to, or better, accessibility than the unavailable path/route in accordance with the Americans with Disabilities Act and the Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG).

Project work areas adjacent to or intersecting arterial streets (as identified above) and their associated rights-of-way other than Fawcett Avenue (see sub-section 6) shall not hinder the safety or significantly hinder traffic operations of the affected arterial street such that two-way vehicular (including bicycle) traffic cannot be maintained at all times (see exceptions below).

Exceptions:

a. Temporary restrictions of traffic flow/use of certain lanes in a given direction of the roadway are allowed (with approved traffic control plan) to support the mobile operation of roadway striping/marking efforts and the time necessary for adhesion/drying.

b. Minor encroachments into an intersecting arterial that only affects space allocated for parking and/or bicyclists, with accompanying plan and temporary traffic control provisions, may be utilized for active work zone purposes during working hours.

c. Depending on the Contractor's proposed traffic control plan and the associated intersecting arterial/intersection control, encroachments into an intersecting arterial that maintains pre-construction traffic lanes, but shifts their position and/or reduces their width (to no less than 10 feet), may be permitted to be utilized in order to maintain two-way traffic flow (in separate lanes) along the intersecting arterial. However, hours of allowance may be limited to less (e.g., non-peak hours only) than the full working hours permitted per day for the project.

d. Depending on the Contractor's proposed traffic control plan and the associated intersecting arterial/intersection control, encroachments into an intersecting arterial that includes a left-

turn/center turn lane may be permitted to include the repurposing of the lane in order to utilize the space for maintaining two-way traffic flow (in separate lanes) along the intersecting arterial. However, hours of allowance may be limited to less (e.g., non-peak hours only) than the full working hours permitted per day for the project.

e. If the work occurring on an intersecting arterial street cannot practicably be completed while maintaining two-way traffic (in separate lanes), then only one direction of traffic may be closed and a detour (for all affected movements/routes), including property access needs, must be established using an alternate arterial route to be submitted for review and approval by the City. In either case, an intersection specific traffic control plan (including advance deployment and use of PCMS) must be developed and submitted for City review and approval at least 15 working days in advance of the work commencing. One-way flagger control of traffic on intersecting arterials affected by project work shall not be permitted.

f. The resulting traffic impacts from the scenarios associated with "5c," "5d," and/or "5e" as described immediately above shall not occur at the same times on immediately paralleling arterial roadways nor shall associated detour routes be affected by construction activity.

Project work areas occurring on or within the associated rights of way for Fawcett Avenue shall not hinder the safety or significantly hinder traffic operations of the arterial street such that two-way vehicular (including bicycle) traffic cannot be maintained at all times (see exceptions below).

Exceptions:

a. Parking lane (one or both sides of roadway) may be closed (with 72-hours advance notice as part of an approved traffic control plan) for an extent corresponding with active work so long as the remainder of the roadway width (22 feet minimum) remains open to two-way traffic.

b. Work that reduces the usable travel way (can include closed parking lane) to a width greater than or equal to 14 feet but less than 22 feet will only be permitted (with an approved traffic control plan) so as to affect one direction of traffic at a given time. The other direction of traffic shall be closed and a detour (for all affected movements/routes) must be established using an alternate arterial route to be submitted for review and approval by the City. Bicyclist traffic in the closed direction shall be directed separately, at the first upstream point of accessibility, to use the corresponding sidewalk within the project area, and as such no concurrent work shall affect the sidewalk's availability for use. If no sidewalk is present, then additional provisions (as necessary) shall be provided to safely direct bicyclists to the side of the roadway that does have sidewalk, and those provisions shall be required for the extent and duration of the directional closure. In either case, a location-specific traffic control plan (including advance deployment and use of PCMS) must be developed for this situation and submitted for City review (including emergency response access) and approval at least 15 working days in advance of the work commencing.

c. If work cannot maintain the conditions described above, then one of following three (3) closure scenarios may be considered for approval by the City with accompanying traffic control plan submitted for review and approval at least 15 working days in advance of the work

commencing. Regardless of scenario, the roadway shall only remain in the described condition for the extent and duration necessary (unless stated otherwise below) to complete the associated work effort and thereafter a less-restrictive temporary traffic control shall be established.

1. Alternating one-way flagger control during work hours only—and reinstated two-way travel during non-working hours—may be considered for applicable work efforts so long as the flagger control positions and resulting traffic queuing would not adversely affect upstream roadway and/or intersection operations/safety.

2. Should the above scenario not be applicable, a full closure scenario (based on an approved traffic control/detour plan and local property access needs) can be considered but shall include preserving provisions for bicycle travel in both directions via separate preserved 6-foot bicycle lanes; however, their relative positioning/appearance shall not give the impression that the lane(s) could be used for non-bicycle traffic/parking.

3. An alternate closure scenario—if proposed with supporting reasoning—to the above would close all non-bicycle traffic use in both directions relying on an arterial-based detour (for all affected movements/routes), including property access needs, while bicycle traffic is directed to use corresponding sidewalks in both directions within the project area (as described above in "6b").

The resulting traffic impacts from the scenarios associated with "6b" and/or "6c" as described immediately above shall not occur at the same time as construction activity on immediately paralleling arterial roadways nor shall associated detour routes be affected by construction activity.

Intersection specific allowances/restrictions in addition, and complementary, to the above are as follows:

Fawcett Ave/S. 19th St intersection (all traffic control scenarios require advance deployment and continued operation of PCMS specific to the scenario) in support of utility and/or pedestrian hybrid beacon construction:

a. Northbound/southbound approaches may be reduced to right-turns only at all times so long as not in conflict with any concurrent temporary traffic control on South 19th Street.

b. Any work occurring on the north and/or south legs shall be coordinated to take advantage of concurrent, associated, and/or complementary work and associated temporary traffic controls on South 19th Street.

c. Pedestrian routing at/around the intersection (at least three corners open at a given time) shall be maintained at all times, whether through preserved, new, or temporary infrastructure meeting or existing pre-construction accessibility levels.

d. With proper support and impact mitigation justification and approval from the City, the eastbound approach of South 19th Street may be closed (not at same time as westbound), with through traffic detoured to South 15th Street and/or South 21st Street (so long as two-way traffic is accommodated) via Tacoma Ave South for a continuous weekend period (i.e., Friday 9 PM to Monday 5 AM) with advance notice to properties and businesses, local access provisions, noise variance approval, bus routing coordination, and no conflicting downtown/University events.

e. With proper support and impact mitigation justification and approval from the City, the westbound approach of South 19th Street may be closed (not at same time as eastbound), with through traffic detoured to South 15th Street and/or South 21st Street (so long as two-way traffic is accommodated) via Market Street/Jefferson Avenue for a continuous weekend period (i.e., Friday 9 PM to Monday 5 AM) with advance notice to properties and businesses, local access provisions, noise variance approval, bus routing coordination, and no conflicting downtown/University events.

To minimize the disruption to access to adjacent properties, and to Pierce Transit operations, the lane closure area shall be limited to that area of active work and necessary for appropriate lane closure tapers. The Contractor shall stage work to maintain legal access to and egress from all properties at all times.

A safe pedestrian access shall be provided at all times through the project area. All lane closures shall be coordinated with the adjacent businesses, school/school district, other contractors working within the project vicinity, local transit agencies and the City.

Where, in the opinion of the Engineer, parking is a hazard to through traffic or to the construction work, parking may be restricted either entirely or during the time when it creates a hazard. Signs for restricting parking shall be approved by the City and placed by the Contractor at least twenty-four (24) hours in advance for residential property, and at least forty-eight (48) hours in advance for commercial property. The Contractor shall be responsible for and shall maintain all such signs. The replacement of signs restricting parking shall be as approved by the Engineer.

The Contractor shall notify all property owners and tenants of detours, street and alley closures, or other restrictions that may interfere with their access. Notification shall be at least twenty-four (24) hours in advance for residential property, and at least forty-eight (48) hours in advance for commercial/school property.

Emergency traffic, such as police, fire, and disaster units, shall be provided access at all times. In addition, the Contractor shall coordinate Contractor activities with all disposal firms and transit bus service that may be operating in the project area.

If street closures or lane restrictions, not provided for in the Specifications, are allowed subsequent to award of the contract, an equitable adjustment of the Contract amount shall be negotiated.

It is the intent of the Contract to effectively prevent the deposition of debris on streets in areas of public traffic or where such debris may be transported into a drainage system. When construction operations are such that debris from the work is deposited on the streets, the Contractor shall, at a minimum,

remove on a daily basis any deposits or debris which may accumulate on the roadway surface. Should daily removal be insufficient to keep the streets clean, the Contractor shall perform removal operations on a more frequent basis. If the Engineer determines that a more frequent cleaning is impractical or if the Contractor fails to keep the streets free from deposits and debris resulting from the work, the Contractor shall, upon order of the Engineer, provide facilities for and remove all deposits from the tires or between wheels before trucks or other equipment will be allowed to travel over paved streets. Should the Contractor fail or refuse to clean the streets in question, or the trucks or equipment in question, the Engineer may order the work suspended at the Contractor’s risk until compliance with Contractor’s obligations is assured, or the Engineer may order the streets in question cleaned by others and such costs incurred by the City in achieving compliance with these contract requirements, including cleaning of the streets, shall be deducted from moneys due or to become due the Contractor on monthly estimate. The Contractor shall have no claim for delay or additional costs should the Engineer choose to suspend the Contractor’s work until compliance is achieved