

**HIGHLINE WATER DISTRICT
King County, Washington**

RESOLUTION 20-9-2A

A RESOLUTION OF THE BOARD OF COMMISSIONERS OF HIGHLINE WATER DISTRICT, KING COUNTY, WASHINGTON, AUTHORIZING THE GENERAL MANAGER OR DESIGNEE TO EXECUTE TASK ORDER No. 4 BETWEEN CENTRAL PUGET SOUND REGIONAL TRANSIT AUTHORITY "SOUND TRANSIT" AND HIGHLINE WATER DISTRICT "DISTRICT" FOR RELOCATION OF THE EXISTING WATER MAINS IN CONFLICT WITH THE SR99 BRIDGE CONSTRUCTION ASSOCIATED WITH THE FEDERAL WAY LINK EXTENSION PROJECT

WHEREAS, the Board of Commissioners authorized Resolution 19-6-19C declaring an emergency pursuant to RCW 39.04.280(1)(e), waiving the competitive bidding requirements of RCW 57.08.050, and authorizing and directing the District Manager or Designee to negotiate, approve and execute the necessary contracts on the Districts behalf to perform the emergency relocation and replacement work along International Blvd South and SR509 in the City of SeaTac; and

WHEREAS, by passage of Resolution 19-9-24B, the Board of Commissioners authorized an Advanced Utility Relocation Agreement (Agreement) with Sound Transit granting authority for staff to prepare and execute individual task orders and to define the assignment of responsibility for relocation work at each conflict or accommodation associated with the Federal Way Link Extension Project and to determine payment of the costs for relocation of utility facilities; and

WHEREAS, the SR99 Bridge conflict with the existing water mains and their accommodation is within the scope and nature of the Agreement; and

WHEREAS, the District has prepared preliminary drawings and has worked with Sound Transit and their design-build contractor, Kiewit, to define the scope and costs associated with the relocation work; and

WHEREAS, Task Order 4 includes the location, scope and the estimated cost for the relocation work, including sales tax and 10% contingency where Sound Transit through their design-build contractor will construct the necessary water relocation improvements to accommodate the bridge construction and the District will reimburse those costs.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of Highline Water District, King County, Washington, as follows:

1. The recitals set forth above are incorporated herein full by this reference.
2. The General Manager or designee is authorized to execute the necessary documents for Task Order 4 (Attachment 1) with Sound Transit for the relocation of the existing water mains in conflict with the SR99 Bridge for a not to exceed amount of \$1,337,440.00, including sales tax and 10% contingency.
3. The General Manager and legal are authorized to make minor changes to the Agreement and/or Task Order 4.

**HIGHLINE WATER DISTRICT
King County, Washington**

RESOLUTION 20-9-2A

ADOPTED BY THE BOARD OF COMMISSIONERS of Highline Water District, King County, Washington, at an open public meeting held on the **2nd** day of **September 2020**.

BOARD OF COMMISSIONERS




Vince Koester, President



Polly Daigle, Commissioner



Kathleen Quong-Vermeire, Commissioner



Todd Fultz, Secretary



Daniel Johnson, Commissioner

**Task Order No. 4 to the
Advanced Utility Relocation Agreement
Between Sound Transit and Highline Water District
SR99 Between S. 204th St. and S. 208th St. - City of SeaTac
(FWLE GA 0247-19)**

ATTACHMENT 1

This Task Order No. 4 is between Sound Transit and Highline Water District. ("Utility") and is in accordance with the terms of the GA 0247-19 Utility Relocation Agreement between the Parties dated November 18, 2019 (the "Relocation Agreement"). W100380 (1) 16-inch, W100350 (1) 12-inch, and W.100040 (1) 8-inch water mains within the SR99 right-of-way conflicting with the proposed Bridge Project over Future SR509 between S. 204th Street and S. 208th Street to be temporarily relocated to the west of the bridge.

Recitals

A. Definitions in the Relocation Agreement apply to this Task Order No. 4.

The Parties agree as follows:

1. **Location.** The present location of the Facilities and the future relocated Facilities location are described and diagrammed in **Exhibit A**.
2. **Relocation Work.** The description, plans, assignment of Relocation Work, and schedule of the Relocation Work is attached as **Exhibit B**.
3. **Cost Estimate.** The Cost Estimate worksheet detailing the Cost Estimate for this Task Order No. 4 is attached as **Exhibit C**.
4. **Reimbursement.** In accordance with the terms of the Relocation Agreement, Utility will reimburse Sound Transit for the actual cost of this temporary relocation.
5. **Change Orders.**
 - 5.1. **Change Orders Requested by Utility.** Utility may request changes in the Relocation Work through its Designated Representative. Sound Transit may, at its sole discretion, approve or disapprove such changes taking into consideration its construction schedule and other constraints. If Sound Transit agrees to the requested change, then Sound Transit will direct its Contractor and process the change. Changes in the plans attached to this Task Order and Cost Estimate of the change must be approved in writing by authorized representatives of each Party.
 - 5.2. **Change Orders Requested by Sound Transit.** Sound Transit may issue change orders in response to unanticipated field conditions or conditions beyond the reasonable control of Sound Transit or its contractor ("Unanticipated Work"). Sound Transit is responsible for the costs to its contractor for changes requested by Sound Transit. To the extent reasonably possible, Sound Transit will provide Utility with the opportunity to review and comment on all contract modifications, including change orders, prior to the issuance to its contractor of a notice to proceed. If providing Utility with notification of a contract modification or change order is not possible prior to issuance of the notice to proceed, Sound Transit shall provide such notification

in writing at the earliest date possible. Sound Transit may request a verbal approval for the change order if it has determined that it is in the best interest of the contract to proceed with the work immediately in order to avoid added delay cost to the contract. Utility shall designate to Sound Transit by letter two points of contact for change order approval. In the event that neither point of contact is available, Sound Transit shall approve change orders deemed by it to be in the best interest and safety of the public.

AGREED:

Sound Transit	Highline Water District
Its: Ron Lewis, Exe Director - DECM	Its: Matt Everett, General Manager
Date: _____	Date: _____
Approved as to form:	
_____ Sound Transit Legal Counsel	

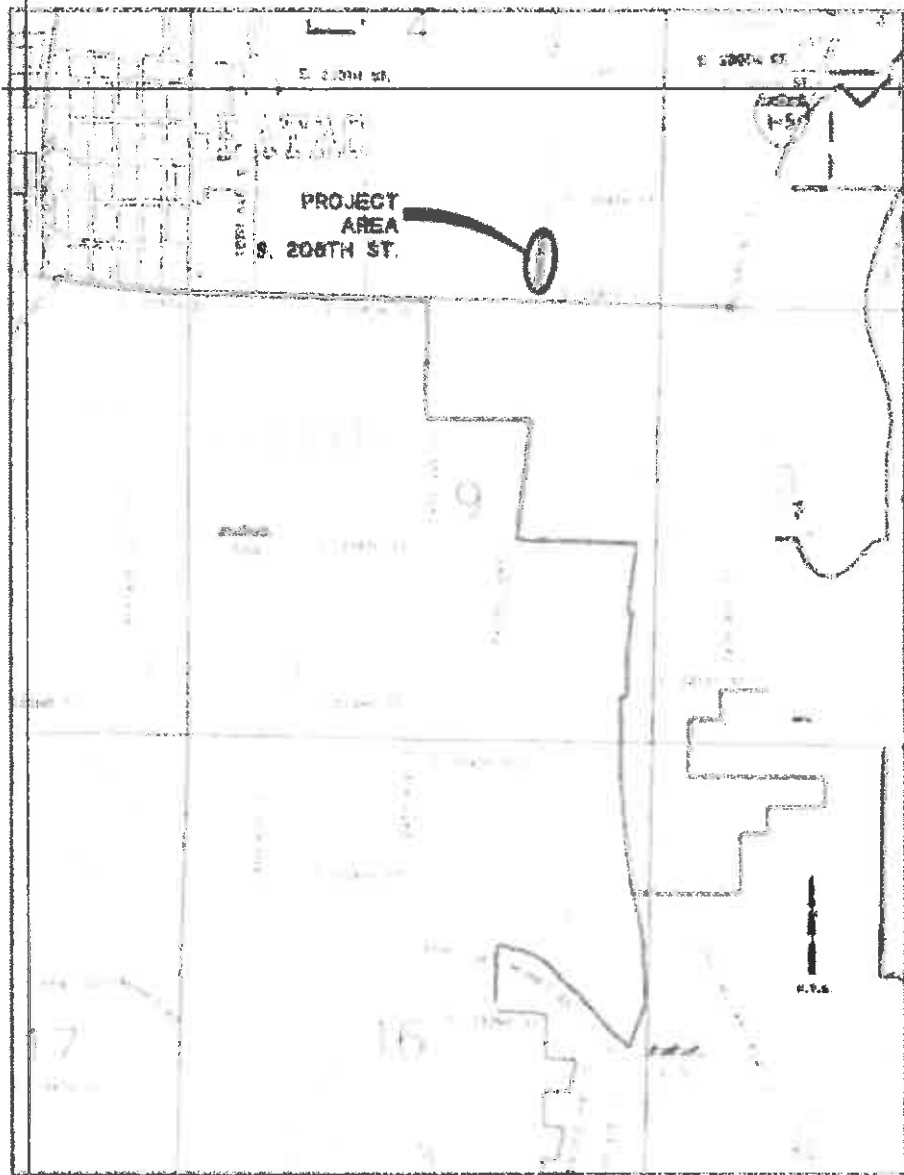
Exhibits:

- Exhibit A: Location
- Exhibit B: Relocation Work
- Exhibit C: Cost Estimate

EXHIBIT A

LOCATION

The Project is generally located along SR99 between S 204th Street and S 208th Street in the City of SeaTac. The existing water mains within the SR99 right-of-way conflict with the proposed Bridge Project over Future SR509. The water mains are expected to be temporarily relocated to the west of the bridge.



VICINITY MAP
N.T.E.

EXHIBIT B

SCOPE OF WORK

The Scope of Work for **Task Order 4** shall include all Work, labor, materials, equipment, permitting and incidentals necessary to design and construct the temporary relocation of existing water mains in conflict with the proposed bridge SR99 for future SR 509 construction to a suitable location. This work is being completed during the FWLE Project as part of the Construction Agreement GCB 3019 between Sound Transit and WSDOT for the Phase 1 WSDOT SR 509 Completion Project. This utility work is described in Exhibit G of the GCB 3019 Agreement as being completed during the FWLE Project at Highline Water District's cost. The affixing of the permanent watermains to the bridge is included separately in the FWLE project.

The mains requiring relocation include: (1) 16-inch 490 Zone pipe, (1) 12-inch 560 Zone pipe, and (1) 8-inch 560 zone pipe. These water mains are essential to the proper performance of the water system and must remain in service throughout construction of the bridge. The temporary relocation will include two, 12-inch HDPE bypasses in a location adjacent to the bridge as determined by the Contractor and two crossings of Hwy 99. Portions of the temporary relocation may be used in a permanent configuration (two crossings of SR99) provided they are configured and accepted by the design team. Otherwise, the DB Contractor shall configure a permanent design for the crossing to be revised and approved the Utility to accommodate the permanent bridge crossing.

The Utility has provided schematic Plans showing the proposed relocation work in general (Attached and included in this Scope of Work). The Utility has forwarded these documents to Sound Transit for pricing, evaluation and coordination into the proposed Bridge design by the FWLE DB Contractor. The Plans are based on WSDOT provided drawings associated with the design of the bridge. The DB Contractor shall coordinate this design with the proposed bridge design. Sound Transit, or their Contractor, may deviate from these Plans or create alternatives with prior approval of the Utility.

Execution by this of this Scope of Work by the Utility is authorized under Resolutions 19-6-19C, 19-9-24B and 20-9-2A by the Utility's Board of Commissioners.

EXHIBIT C
COST ESTIMATE

All costs associated with this temporary relocation will be borne by the Utility. The Cost estimate includes 10% contingency of the DB Contractor proposal. Sound Transit will not use contingency unless prior approval by the Utility as described in Section 5.2 of the Agreement.

DESCRIPTION: PCO 44 - HWD Temp Waterline Bypass at SR99 - Updated Scope

PRICING

1	LABOR	\$	-
2	SERVICES, TOOLS & SUPPLIES	\$	152,706
3	EQUIPMENT	\$	-
4	MATERIALS (inc pst)	\$	-
5	SUBCONTRACTOR	\$	746,521
6	SUBTOTAL PRICING:	\$	899,229

MARKUP ON PRICING

7	GENERAL & ADMINISTRATIVE COMPANY OVERHEAD (Multiply Line 6 by G&A rate)	9.197%	\$	82,702
8	SUBTOTAL PRICING + GENERAL & ADMINISTRATIVE COMPANY OVERHEAD (Add Lines 6 and 7)		\$	981,931
9.a	C.O. PROFIT (Multiply Lines 8 and 9.a)	13.50%	\$	132,561
9.b	V.E. PROFIT (Multiply Lines 8 and 9.b)	0.00%	\$	-
10.a	GRAND TOTAL THIS C.O. (Add lines 8 and 9.a or 9.b as applicable):		\$	1,114,492
10.b	GRAND TOTAL THIS V.E. (50/50 split):			

WSST (10%) \$111,449.00

Project Contingency (10%) \$111,499.00

Total \$1,337,440.00



Kiewit

Transmittal

Contract No.: RTA/CN 0009-17
Project Title: Federal Way Link Extension - F200
Date: 24 August 2020, 07:47:25 AM -7:00
CRE Number: F200-CRE-01969 CNRFP 026 HWD Temp Waterline Bypass at SR99 Cost Proposal - REVISED 20200824
To: Timothy Muller, Sound Transit
From: Erik Nelson, Kiewit Infrastructure West Co.
Subject: CNRFP 026 PCO 044 HWD Temp Waterline Bypass at SR99 Cost Proposal Update

Message:

Please see the attached updated cost proposal for CNRFP 026.

Attachments:

[Click here to download all Transmittal files.](#)

Click on Document Nos to download them individually.

Item	Document No	Rev	Sts	Title
1	KIEWIT-CO-00125	01	IFI	CNRFP 026 PCO 044 HWD Temp Waterline Bypass at SR99 Cost Proposal Update

Cc: Kevin Rozendaal, Kiewit Infrastructure West Co.
 Brian Meythaler, Kiewit Infrastructure West Co.
 Meda Schultz, Kiewit Infrastructure West Co.
 Erik Nelson, Kiewit Infrastructure West Co.
 F200 @soundtransit.org, Sound Transit
 F200FODC @soundtransit.org, Sound Transit
 Brian Martin, Sound Transit

Sent by: Emily Nantt, Kiewit Infrastructure West Co.

InEight Reference Number: TRN-KIEWIT-ST-01268

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8/24/2020

Tim Muller, Resident Engineer
Sound Transit
401 S Jackson St
Seattle, WA 98104

Subject: Federal Way Link Extension Design Build (F200)
Contract No RTA/CN 0009-17
PCO #044 – HWD Temp Waterline Bypass at SR99 – Updated Pricing

Dear Tim,

We are providing an updated change order proposal for CNRFP 026 – HWD Temporary Waterline Bypass at SR 99 Bridge. Included in this document is the revised drawings provided by Highline Water District dated March 2020. This updated pricing includes the reduction of the waterline sizing from 18" to 12", an additional crossing on the north end of SR 99, connection to 2 additional lines, added deadmen blocking, additional future 16" connection, upsized fittings, and added valves. If you have questions or comments about this information, please contact me at Erik.Nelson@Kiewit.com.

Sincerely,

Erik Nelson
Project Manager
Kiewit Infrastructure West Co.



Kiewit Infrastructure West Co.
 2505 S 320th St.
 Federal Way, WA 98003

CHANGE ORDER PROPOSAL

CONTRACT	RTA/CN 0009-17
	F200 Federal Way Link Extension Design-Build

PCO #:	44
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DATE:	8/21/2020
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ESTIMATOR:	Brian Meythaler
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DESCRIPTION:	PCO 44 - HWD Temp Waterline Bypass at SR99 - Updated Scope
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PRICING

1	LABOR	\$	-
2	SERVICES, TOOLS & SUPPLIES	\$	152,708
3	EQUIPMENT	\$	-
4	MATERIALS (inc pst)	\$	-
5	SUBCONTRACTOR	\$	746,521
6	SUBTOTAL PRICING	\$	899,229

MARKUP ON PRICING

7	GENERAL & ADMINISTRATIVE COMPANY OVERHEAD (Multiply Line 6 by G&A rate)	9.197%	\$	82,702
8	SUBTOTAL PRICING + GENERAL & ADMINISTRATIVE COMPANY OVERHEAD (Add Lines 6 and 7)			\$ 981,931
9.a	C.O. PROFIT (Multiply Lines 8 and 9.a)	13.50%	\$	132,561
9.b	V.E. PROFIT (Multiply Lines 8 and 9.b)	0.00%	\$	-

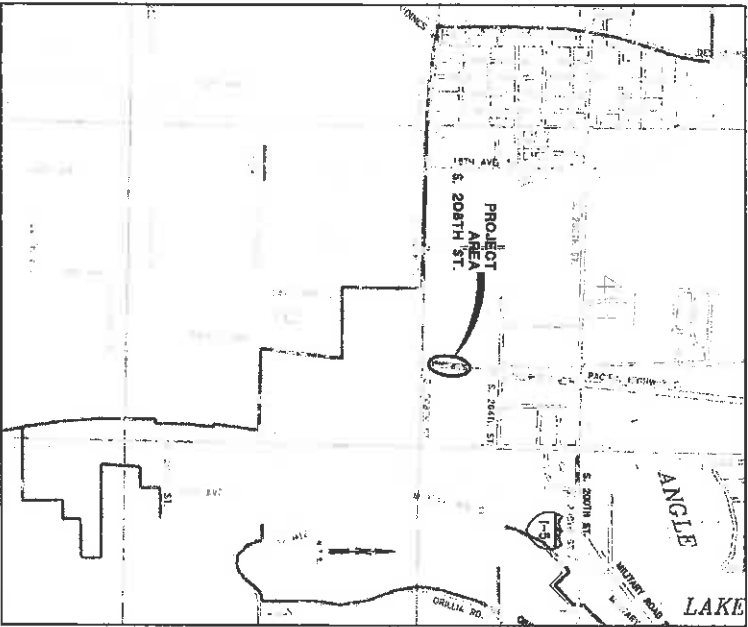
10.a	GRAND TOTAL THIS C.O.(Add lines 8 and 9.a or 9.b as applicable):	\$	1,114,492
10.b	GRAND TOTAL THIS V.E. (50/50 split):		

Change to S/DBE Level of Commitment as a Result of this Change			
Additional SBE Participation required by this change	15%	\$	167,174
Additional DBE Participation required by this change	5%	\$	55,725

DESCRIPTION	QTY	UNIT	EQUIP		S.T. & S.*		LABOR EXPENSE		AMOUNT		VENDOR		SUBCONTRACTOR		TOTAL
			\$/unit	TOTAL \$	\$/unit	TOTAL \$	hrs	TOTAL MH	\$/unit	TOTAL \$	\$/unit	TOTAL \$	\$/unit	TOTAL \$	
1 Kiewit Design Assist/Integration	132	HRS	\$	-	\$	-		0.00	\$0	\$0	\$120.00	\$15,840	\$0	\$0	\$15,840
2 Removal Asphalt, sidewalk, curb/gutter F&I Temp bypass line (See notes for detail)	1	PLS	\$	-	\$	-		0.00	\$0	\$0	\$3,500.00	\$3,500	\$0	\$0	\$3,500
3 Remove ramp line and restore grade	1	PLS	\$	-	\$	-		0.00	\$0	\$0	\$482,865	\$482,865	\$0	\$0	\$482,865
4 Remove exist line at bridge	1	PLS	\$	-	\$	-		0.00	\$0	\$0	\$31,350	\$31,350	\$0	\$0	\$31,350
5 Utility Potholing	1	PLS	\$	-	\$	-		0.66	\$0	\$0	\$32,600.00	\$32,600	\$0	\$0	\$32,600
6 Environmental (Sweeper, Vac Truck, BMP, MOT	45	Days	\$	-	\$	-		0.00	\$0	\$0	\$17,300	\$17,300	\$0	\$0	\$17,300
7 HWY 99 Crossing (178 LF)	30	Days	\$	-	\$	-		0.00	\$0	\$0	\$1,620	\$72,900	\$0	\$0	\$72,900
8 Sawcut	4,272	INFT	\$	-	\$	-		0.00	\$0	\$0	\$2,000.00	\$60,000	\$0	\$0	\$60,000
9 CSBC Road Base	2	DAY	\$	-	\$	-		0.00	\$0	\$0	\$0.18	\$769	\$0	\$0	\$769
10 Trench Patch	196	TON	\$	-	\$	-		0.00	\$0	\$0	\$31	\$6,037	\$0	\$0	\$6,037
11	106	TON	\$	-	\$	-		0.00	\$0	\$0	\$270	\$22,260	\$0	\$0	\$22,260
12			\$	-	\$	-		0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13			\$	-	\$	-		0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14			\$	-	\$	-		0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15			\$	-	\$	-		0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16			\$	-	\$	-		0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17			\$	-	\$	-		0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18			\$	-	\$	-		0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19			\$	-	\$	-		0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20			\$	-	\$	-		0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21			\$	-	\$	-		0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22			\$	-	\$	-		0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
23			\$	-	\$	-		0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24			\$	-	\$	-		0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25 Contingency/Risk	5.0%		\$	-	\$	746,521		0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26 Project specific field support	14.72%		\$	-	\$	783,847		0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27			\$	-	\$	-		0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTALS			\$	-	\$	1,527,008		-	\$-	\$-	\$-	\$-	\$-	\$-	\$-
			\$	-	\$	746,521		-	\$-	\$-	\$-	\$-	\$-	\$-	\$-
			\$	-	\$	783,847		-	\$-	\$-	\$-	\$-	\$-	\$-	\$-
			\$	-	\$	152,708		-	\$-	\$-	\$-	\$-	\$-	\$-	\$-
			\$	-	\$	899,229		-	\$-	\$-	\$-	\$-	\$-	\$-	\$-

Notes: Pricing is reflective of the attached drawing

HIGHLINE WATER DISTRICT SR-99 TEMPORARY WATER MAIN RELOCATION PROJECT NO. 18-2 SOUND TRANSIT TASK ORDER NO. 4



VICINITY MAP
N.T.S.

Water
Highline Water District
Jeremy Delmar, P.E.
10000 1st Ave. N.E.
Kenai, WA 99502
Phone: (206) 892-8804

Sewer
Bellevue Sewer Dist.
Alec Hamilton
2000 S. 240th St.
Kent, WA 98030
Phone: (206) 834-4900

Power & Gas
Puget Sound Energy
PGE, East Side 1000, Ave NE
24-hour Emergency Phone: 1-(800) 225-5773

Storm / Road / Police
City of Sea-Tac
Public Works
4000 S. 183th St.
SeaTac, WA 98188
Phone: (206) 837-4730

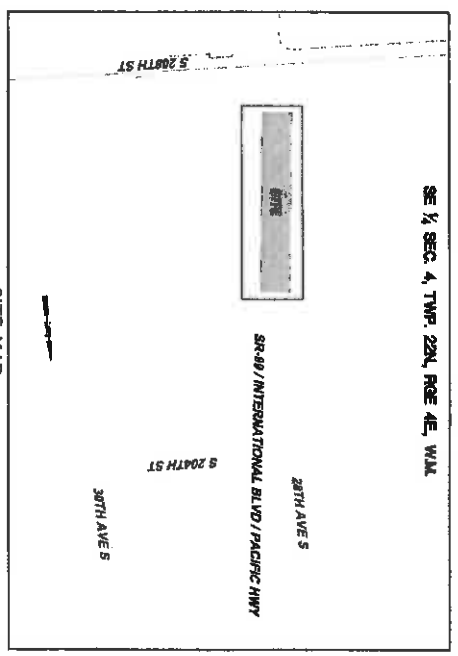
Fire
Puget Sound Fire
Station 45
3800 S. 183th St.
SeaTac, WA 98188
Phone: (206) 856-4300



Serving the Southwest Metropolitan Area Since 1946

DISTRICT OFFICIALS:

- TODD FULTZ
DAN JOHNSON
KATHLEEN QUONG-VERMEIRE
VINCE KOESTER
POLLY DAIGLE
MATT EVERETT
JEREMY DELMAR, P.E.
- COMMISSIONER
COMMISSIONER
COMMISSIONER
COMMISSIONER
COMMISSIONER
GENERAL MANAGER
ENGINEERING/OPERATIONS MANAGER



SITE MAP
N.T.S.

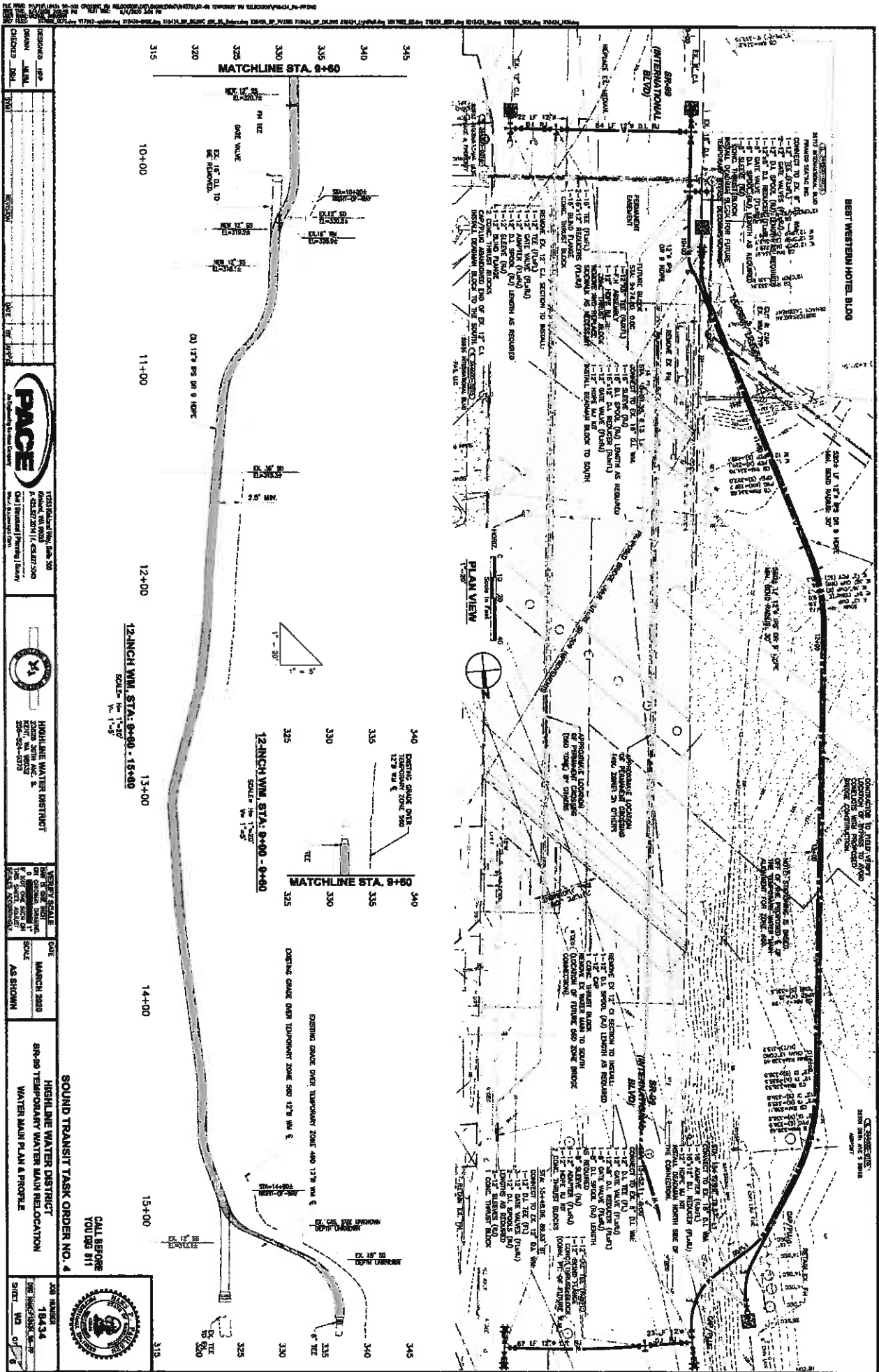
Sheet Number	Sheet Title
18	CONCRETE
19	WATER MAIN MAIN L & SERVICE
20	TRUCK NOTES & DETAILS
21	LESSON GENERAL NOTES & DETAILS
22	DRIVING FUNDING DETAILS
23	STANDARD DETAILS



11527/Revised/18th Jan 20
Kenai, WA 99502
P: (206) 837-2811 / (206) 837-2843
Fax: (206) 837-2811 / (206) 837-2843
Project # 18-2

PACE JOB NO.
18434
SHEET
WT OF 5





DESIGNED BY JRP	CHECKED BY JRP	DATE 1/17/20	PROJECT NO. 18434	SHEET NO. 07
12-INCH WATER MAIN DISTRICT 2020 YEAR IN A/C S. 2021 YEAR IN A/C S. 2022 YEAR IN A/C S. 2023 YEAR IN A/C S. 2024 YEAR IN A/C S. 2025 YEAR IN A/C S. 2026 YEAR IN A/C S. 2027 YEAR IN A/C S. 2028 YEAR IN A/C S. 2029 YEAR IN A/C S. 2030 YEAR IN A/C S. 2031 YEAR IN A/C S. 2032 YEAR IN A/C S. 2033 YEAR IN A/C S. 2034 YEAR IN A/C S. 2035 YEAR IN A/C S. 2036 YEAR IN A/C S. 2037 YEAR IN A/C S. 2038 YEAR IN A/C S. 2039 YEAR IN A/C S. 2040 YEAR IN A/C S. 2041 YEAR IN A/C S. 2042 YEAR IN A/C S. 2043 YEAR IN A/C S. 2044 YEAR IN A/C S. 2045 YEAR IN A/C S. 2046 YEAR IN A/C S. 2047 YEAR IN A/C S. 2048 YEAR IN A/C S. 2049 YEAR IN A/C S. 2050 YEAR IN A/C S. 2051 YEAR IN A/C S. 2052 YEAR IN A/C S. 2053 YEAR IN A/C S. 2054 YEAR IN A/C S. 2055 YEAR IN A/C S. 2056 YEAR IN A/C S. 2057 YEAR IN A/C S. 2058 YEAR IN A/C S. 2059 YEAR IN A/C S. 2060 YEAR IN A/C S. 2061 YEAR IN A/C S. 2062 YEAR IN A/C S. 2063 YEAR IN A/C S. 2064 YEAR IN A/C S. 2065 YEAR IN A/C S. 2066 YEAR IN A/C S. 2067 YEAR IN A/C S. 2068 YEAR IN A/C S. 2069 YEAR IN A/C S. 2070 YEAR IN A/C S. 2071 YEAR IN A/C S. 2072 YEAR IN A/C S. 2073 YEAR IN A/C S. 2074 YEAR IN A/C S. 2075 YEAR IN A/C S. 2076 YEAR IN A/C S. 2077 YEAR IN A/C S. 2078 YEAR IN A/C S. 2079 YEAR IN A/C S. 2080 YEAR IN A/C S. 2081 YEAR IN A/C S. 2082 YEAR IN A/C S. 2083 YEAR IN A/C S. 2084 YEAR IN A/C S. 2085 YEAR IN A/C S. 2086 YEAR IN A/C S. 2087 YEAR IN A/C S. 2088 YEAR IN A/C S. 2089 YEAR IN A/C S. 2090 YEAR IN A/C S. 2091 YEAR IN A/C S. 2092 YEAR IN A/C S. 2093 YEAR IN A/C S. 2094 YEAR IN A/C S. 2095 YEAR IN A/C S. 2096 YEAR IN A/C S. 2097 YEAR IN A/C S. 2098 YEAR IN A/C S. 2099 YEAR IN A/C S. 2100 YEAR IN A/C S.				
YEAR/SCALE	DATE	SCALE	AS SHOWN	AS SHOWN
SOUND TRANSIT TASK ORDER NO. 4 HIGHLINE WATER DISTRICT BR-99 TEMPORARY WATER MAIN RELOCATION WATER MAIN PLAN & PROFILE				
CALL BEFORE YOU DIG 811				

DESIGNER	DATE
DRAWN	DATE
CHECKED	DATE

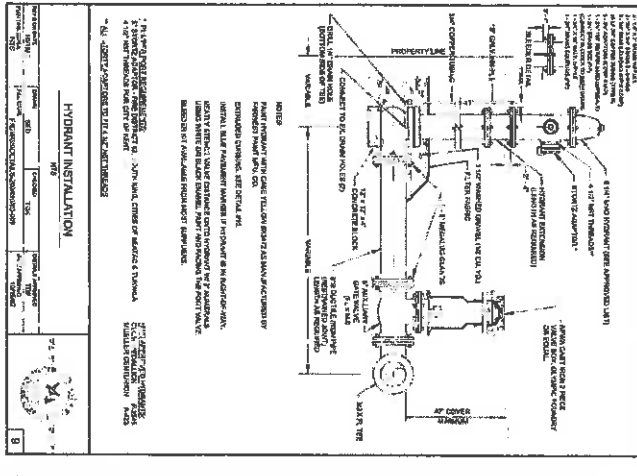
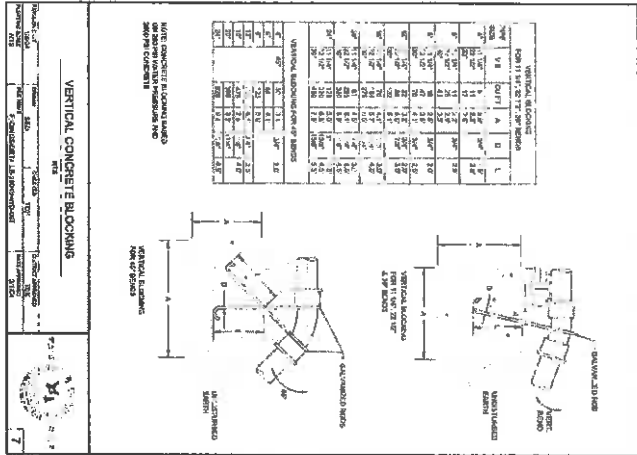
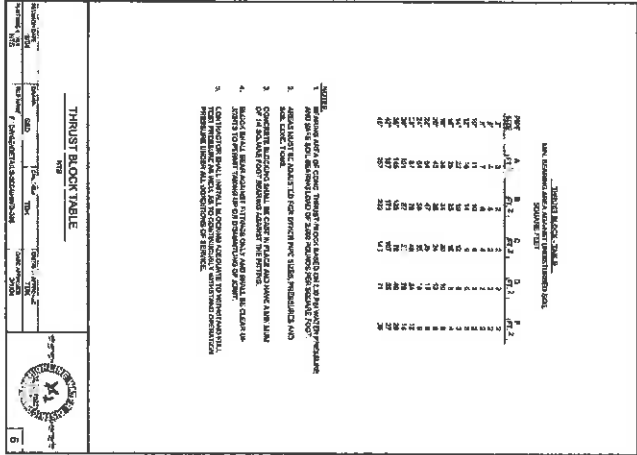
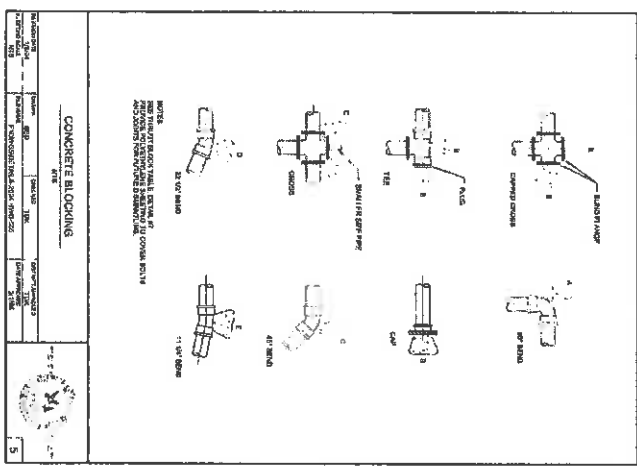
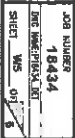


HIGHLINE WATER DISTRICT
 2320 20th Ave. S.
 HOUSTON, TX 77058
 281-434-0375

VERTICAL SCALE
 HORIZONTAL SCALE
 AS SHOWN

DATE: MARCH 2020
 SHEET NO. 01

HIGHLINE WATER DISTRICT
 SR-99 TEMPOURARY WATER MAIN RELOCATION
 DISTRICT STANDARD DETAILS
 CALL BEFORE YOU DIG 811
 1-844-344-3434
 PROJECT NO. 18434



DEADMAN BLOCK DETAIL
 NOT TO SCALE

