

**PUD NO. 1 OF SKAGIT COUNTY
PIPELINE RELOCATION ON SR-20 AT OLSON CREEK PROJECT
PIPELINE RELOCATION AT SR-9 NORTH OF KALLOCH ROAD PROJECT**

ADDENDUM NO. 1

Date of Issue: January 12, 2024

To All Planholders and/or Prospective Bidders:

The time and place of bidding remains unchanged as 11:00 AM, Thursday January 18, 2024, at Public Utility District No. 1 of Skagit County.

Acknowledge receipt of this Addendum in the space provided in the BID FORM. Failure to do so may subject the Bidder to disqualification.

The following changes, additions, and/or deletions are hereby made a part of the project bid documents for the Pipeline Relocation on SR-20 at Olson Creek and Pipeline Relocation at SR-9 North of Kalloch Road Project and shall have the same effect as if set forth therein.

A. GENERAL:

- a. A pre-bid meeting was held on January 9, 2024. at Skagit PUD, 1415 Freeway Drive. Meeting minutes and a list of attendees are attached to this addendum.
- b. A list of contractor questions and answers to date is attached to this addendum.

B. SPECIFICATIONS:

- a. Instructions to Bidders
 - i. Disregard any reference to December 7, 2023. Contract documents were made available after January 4, 2024, consistent with the advertisement.
- b. Bid Schedules A and B
 - i. Remove the existing Bid Schedules A and B and insert the attached Revised Bid Schedules A and B.
- c. Section 01 02 00, Measurement and Payment
Insert the following:
ITEM B21. INSTALL 1-INCH REHAU MUNICIPEX WATER SERVICE LINE BY TRENCH METHOD PER STANDARD DETAIL CIPWS58-1.
 1. Measurement of Install 1-Inch REHAU Muncipex Water Service Line by Trench Method per Standard DETAIL CIPWS58-1 shall be by the number of water services installed or established.
 2. Payment for Install 1-Inch REHAU Muncipex Water Service Line by Trench Method per Standard Detail CIPWS58-1 shall be by the unit price per each named in the Proposal, which payment shall be constitute full payment for all tools, equipment, labor, and materials required to complete this work as specified herein; including but not limited to supply and installation of saddle to the mainline pipe, service corporation, wax tape wrap, REHAU Muncipex service line, excavation of trench, exposing, backfill, compaction, ditch and landscape restoration, disinfecting, pressure testing, and flushing in accordance with requirements of the Contract Documents.
- d. Appendix A
 - i. The HPA for SR-20 has been issued by WDFW and is included in Appendix A.

C. REVISIONS TO PLANS

- a. Schedule B: Pipeline Relocation at SR-9 North of Kalloch Road, Sheet G-2 (pg. 2 of 8), Skagit PUD Standard General Notes, number 15 was inserted and reads as follows:
UNLESS OTHERWISE SPECIFIED, ALL WATER PIPELINE INSTALLATIONS WITHIN THE WSDOT ROW MUST BE 60-INCH MINIMUM BELOW ADJACENT PAVEMENT ELEVATIONS FROM THE CREST OF PIPE.
- b. Schedule B: Pipeline Relocation at SR-9 North of Kalloch Road, Sheet C-2 (pg. 4 of 8). Revisions show contractor standard installation of a single 5/8" or 3/4" metered service (detailed on Sheet C-5 and paid through bid item B21). Meter and setter will not be required to be installed or provided by the contractor. Skagit PUD Crews will splice the stub provided by the contractor at the point of connection shown on the plans.
- c. Schedule B: Pipeline Relocation at SR-9 North of Kalloch Road revised to include the following detail on Sheet C-5 (pg. 7 of 8): Standard Installation of Single 5/8" or 3/4" Metered Service with 200 P.S.I. Rehau Service Line for Pipeline Replacement Projects (Standard Detail CIPWS58-1).

This Addendum consists of these two (2) covers pages and sixteen (16) attached pages, for a total of **eighteen (18) pages**.



01/12/2024

Mark Handzlik, P.E., Engineering Manager

Appended hereto and part of Addendum No. 1

- A. Meeting Minutes (2 pages)
- B. List of Attendees (2 pages)
- C. Questions and Answers (1 page)
- D. Revised Bid Schedules A and B (3 pages)
- E. Schedule B: Pipeline Relocation at SR-9 North of Kalloch Road Plans, Revision 1, dated January 12, 2024 (8 pages)



**Pipeline Relocation on SR-20 at Olson Creek
Pipeline Relocation at SR-9 North of Kalloch Road
Pre-Bid Meeting Minutes
January 9, 2024**

Wendy LaRocque, Environmental Compliance Program Manager/Project Manager, called the meeting to order at 10:01 AM and welcomed everyone.

Project Manager LaRocque began the meeting by introducing the Project Team for Skagit PUD: Mark Handzlik, P.E., Engineering Manager; Wendy LaRocque, Project Manager/Program Manager - Environmental Compliance; Mark Semrau, P.E., Capital Program Manager; Catherine Price, Contract Coordinator; Michelle Peters, Engineering Administrative Assistant; Tyler Scott, Maintenance Foreman; and Chris Smith, Capital Project Inspector; and for Aspect Consulting: Jane Gregg, P.E., Project Geotechnical Engineer; Erik Andersen, P.E., Principal Geotechnical Engineer; Samantha Muchongwe, Staff Engineer, EIT; and Mari Otto, P.E., Project Engineer (not present). Attendance sheet attached.

Project Manager LaRocque reviewed the purpose of the Pre-Bid meeting was to briefly go over the project and provide an opportunity for Bidder questions/answers.

She gave a background on the history leading to fish culvert replacement. Project Manager LaRocque provided an overview of the two schedules for the project. Schedule A: Pipeline Relocation on SR-20 at Olson Creek Project includes installation of approximately 610 linear feet of 16-inch HDPE casing by horizontal direction drill, installation of approximately 610 linear feet of 8-inch fused PVC C900 carrier water pipeline under Olson Creek, as well as installation of approximately 290 linear feet of 8-inch PVC water pipeline by traditional trenching methods. along State Route 20, east of Ranger Station Road, Marblemount, State of Washington. Work includes valves, fittings, traffic control, and pressure and purity testing of the pipe, along with incidentals and appurtenances such as casing spacers, end seals, grouting, dewatering, in estimated quantities identified in the Bid Proposal. Schedule B: Pipeline Relocation at SR-9 North of Kalloch Road Project includes installation of approximately 500 linear feet of 16-inch HDPE casing by horizontal direction drill, installation of approximately 500 linear feet of 8-inch fused PVC C900 carrier water pipeline under a tributary of Hansen Creek along State Route 9, north of Kalloch Road, Sedro-Woolley, State of Washington, including valves, fittings, traffic control, and pressure and purity testing of the pipe, along with incidentals and appurtenances such as casing spacers, end seals, grouting, dewatering, in estimated quantities identified in the Bid Proposal.

Project Manager LaRocque reviewed the bid schedule as follows: Question Cutoff: Tuesday, January 16 at 12:00 PM; Bids Due: Thursday, January 18 at 11:00 AM; Anticipated Award Date: Wednesday, January 24, 2024; Anticipated Notice to Proceed issued: January 29, 2024; Anticipated Start of Construction: February 2024; and All contract work shall be completed by May 31, 2024.

Project Manager LaRocque discussed possible project constraints: these waterline relocations are required to be done prior to WSDOT's culvert replacement projects; contract completion dates are critical; work on Schedule A shall be substantially complete by April 24, 2024; work on Schedule B shall be substantially complete by May 31, 2024 (substantially complete, meaning the water system must be operable); failure to meet the either of the substantial completion dates will result in liquidated damages in an amount equal to those assessed by WSDOT on the PUD for interfering with their work; WSDOT plan sets are included in the package as Appendix D; staging areas; signed permission from privately owned property; signed letter from owner post construction; Dewatering is to be included and will be incidental to the individual pay items as described in Section 01025 – Measurement and Payment; Work Hours and Days (M-F, 7 AM to 9 PM and Sa/Su, 8 AM to 9 PM), unless changed via the approved WSDOT permit provisions.

Project Manager LaRocque reviewed scheduling constraints including Skagit PUD crew tie-ins (three-days' advance notice), give customers 24 hours' notice when water is to be shutoff, permits –WDFW HPAs are approved for both schedules (Appendix A), WSDOT Franchise Permit approved for Schedule

B and forthcoming for Schedule A (pending CTCO approval). All trenching for Schedule B, including tie-ins, is to be monitored by a cultural resources archaeologist. ECRI has been contracted through Aspect Consulting; notice to be given for scheduling.

Project Geotechnical Engineer Gregg displayed project plans for Schedule A (SR 20) and gave a brief review.

Capital Program Manager Semrau reviewed District vs Contractor responsibility and several special considerations (soil conditions, WSDOT required 60-inch minimum burial depth below pavement surface, trenching in the west, pipe will be capped/abandoned in-place for removal by WSDOT, and PSE has nearly completed their trenchless relocation and will provide as-builts when available).

Project Geotechnical Engineer Gregg displayed project plans for Schedule B (SR 9) and gave a brief review.

Capital Program Manager Semrau described District vs Contractor responsibilities (valves, disinfection, testing, trench to existing main for PUD tie-ins) and several special considerations (soil conditions, WSDOT required 60-inch minimum burial depth below pavement surface, pipe will be capped/abandoned in-place for removal by WSDOT).

Project Manager LaRocque stated that the project is partially funded by a Local and Community Projects Grant through the Washington State Department of Commerce. Geotechnical Engineering Reports are included for reference (Appendix B and C). PUD will mail informational letters to homeowners in the area of the projects. Customers must be able to get in and out of their driveways during the project.

Project Manager LaRocque reviewed a few possible bid/proposal issues. Use only the Bid Proposal form or Addendum Bid Proposal form to submit bids. All pages of the form must be submitted with bid unless specific addenda pages are issued. Restrained pipe fittings are to be included in the individual bid items in which they appear. Complete the Addenda Acknowledgement form. If bid items or quantities are revised, a new Bid Proposal form will be issued.

Project Manager LaRocque discussed other items related to the project including that Skagit PUD will provide materials testing for the project; Contractor is responsible for construction staking; and **Addendum No. 1** will be issued with minutes, likely the second franchise permit, revised plans and questions/clarifications to date.

Project Manager LaRocque asked if there were any audience Questions/Clarifications.

Q Schedule B tie-ins, will the contractor expose the existing pipe?

A This will be included in Addendum No. 1.

Q What are the working hours?

A Project working hours were discussed above; however, State Route 9 closure is only allowed between 8:30 AM - 3:00 PM. SR 20 closure will be included in the franchise permit available upon WSDOT approval.

Q How will (SR9) Cordy Lane access be protected during the project?

A It will need to be steel plated to remain open for owner access.

With no further questions or comments, Project Manager LaRocque adjourned the prebid meeting at 10:23 AM.

Respectfully submitted, Catherine Price, Contract Coordinator



SR20 & SR9 Pipeline Replacement Projects
Pre-bid Meeting
January 9, 2024
10:00 AM

PRINT NAME	COMPANY	PHONE	E-MAIL
Catherine Price	PUD	360-424-7104	Price@SkagitPUD.org
Wendy LaRocque	PUD	360-399-5274	LaRocque@SkagitPUD.org
Chris Smith	PUD	360-722-9521	Smith@SkagitPUD.org
Cody Morris	Cannon Const.	360-606-1812	CMorris@TeamCannon.com
Cole Potter	STRIDER CONST	360-380-1234	BDS@STRIDERCONSTRUCTION.COM
Eric Johnson	Redpoint Contracting	360-399-6040	ERIC.Johnson@RedPointContracting.COM
Braao WYMAN	ICI	360-757-7574	bidseinterest.biz
Andy Connel	TRICO	360-630-6861	andy@trico.companies.ca
Jane Gregg	Aspect	906 231 1500	jane.gregg@aspectconsulting.com
Chuck Mather	Rain for Reat	360-239-2821	cmather@rainforrent.com
John Snyder	SRV	360-675-7100	John@SRVConstruction.COM
Paul Nikajin	EWS	425 215 8884	earthworksolutions.pnw@gmail.com
Steve Torgerson	TRANUKSS	360 474-0123	st@TRANUKSSCONSTRUCTION.COM



SR20 & SR9 Pipeline Replacement Projects
Pre-bid Meeting
January 9, 2024
10:00 AM

PRINT NAME	COMPANY	PHONE	E-MAIL
Derek Lofresti	TIGER CONSTRUCTION LTD	360-820-4449	bidse@tigerconstruction.us
ERIK ANDERSEN	ARECT	360 746 8964	erik.andersen@aspectconsulting.com
Melinda Peters	PUD	360 899 6175	Peters@skagit.pud.org
Chris Shar	PUD		
Samanta Muchengwe	ASPECT	206-201-4951	samanta.muchengwe@aspectconsulting.com
MARK SEMKEN	PUD		
Mark Handzlik	"		
Tyler Scott	"		

Date	Time	Contact	Question	Response
1/5/24	9:20 AM	Mae Construct Connect	Do you require prevailing wages for the project?	Yes. Prevailing wage information is included in the project specifications.
1/8/24	1:26 PM	Elizabeth Craig Pacife Underground	Is this a mandatory pre-bid meeting?	No. The attendance at the prebid is not mandatory.
1/9/24	10:33 AM	John Snyder SRV Construction	Where will we get water to fill and flush?	Skagit PUD could potentially install a temp flushing assembly on the existing waterline.
1/11/24	9:50 AM	Derek LoPrest Tiger	Clarify grouting requirements for this contract? Specs talk about grouting between the bore hole and casing, details don't show this. Is this required?	Grouting between the bore hole and the casing is not required.
1/11/24	11:00 AM	Josh Frizzell Earthworks	Could Fused C-900 be replaced with HDPE DR-9 or DR-11?	No substitutions will be accepted at this time as fusible 8-inch C-900 PVC pipe is readily available. If product availability becomes an issue after contract approval, substitutions can be proposed by the contractor.
1/9/24	2:51 PM	Todd Lewis HD Fowler	Would you consider using Butt Fuse HDPE pipe in place of the Butt Fuse PVC pipe on this project?	No substitutions will be accepted at this time as fusible 8-inch C-900 PVC pipe is readily available. If product availability becomes an issue after contract approval, substitutions can be proposed by the contractor.
1/12/24	6:30 AM	Michael Hanna Faber	Question regarding bid item A18: would it be an option to extend 16-inch casing and pipe east of 48-inch culverts?	We are not entertaining design changes at this time.

**BID SCHEDULE A:
PIPELINE REPLACEMENT ON SR-20 AT OLSON CREEK**

Item No.	Bid Schedule Description	Estimated Quantity	Unit	Unit Price	Total
A1.	Mobilization	1	LS	\$	\$
A2.	SPCC Plan, TESC Plan, Contractors Safety Plan and Site-Specific Safety Plan	1	LS	\$	\$
A3.	Bore Plan and Record Drawings	1	LS	\$	\$
A4.	Install and Maintain Temporary Erosion Control and Water Pollution Control Measures	1	LS	\$	\$
A5.	Traffic Control Supervisor	20	Days	\$	\$
A6.	Flaggers and Spotters	480	Hours	\$	\$
A7.	Traffic Control Signs and Devices	1	LS	\$	\$
A8.	Portable Changeable Message Sign	25	Days	\$	\$
A9.	Transportable Attenuator	25	Days	\$	\$
A10	Pothole Existing Utilities	1	LS	\$	\$
A11	Furnish and Install Adequate Site and Trench Safety Systems in Accordance with Chapter 49.17 RCW	1	LS	\$	\$
A12	Horizontal Directional Drill for Installation of 16-inch Fused HDPE Pipe	610	LF	\$	\$
A13	Furnish and Install Fused 16-Inch IPS HDPE 4710 DR11 in HDD Borehole	610	LF	\$	\$
A14	Furnish and Install 8-inch Fused C-900 PVC PC235 Pipe in Casing	670	LF	\$	\$
A15	Furnish and Install Engineer-Ordered Over Excavation	20	CY	\$	\$
A16	Furnish and Install Engineer-Ordered Trench Stabilization Material	30	TON	\$	\$
A17	Furnish and Install 8-inch C-900 PVC PC235 Pipe, Including Trench Excavation, Backfill and Compaction	257	LF	\$	\$
A18	Furnish and Install 14-inch Steel Casing Under 48-inch Culvert Pipes, Including Trench Excavation, Dewatering, Backfill, and Compaction	50	LF	\$	\$
A19	Furnish and Install 8-inch 11¼° DI Ell	6	Each	\$	\$

A20	Furnish and Install 8-inch Gate Valve with Cover	3	Each	\$	\$
A21	Waterline Flushing, Pressure Testing, Disinfection and Bac-T testing	1	LS	\$	\$
A22	Connection Work for Tie-In at Station 31+00	1	LS	\$	\$
A23	Connection Work for Tie-In at Station 39+85	1	LS	\$	\$
A24	Furnish and Place Crushed Surfacing Material, Top Course	150	TON	\$	\$
A25	Right-of-Way and Property Restoration	1	LS	\$	\$
Sub-Total Schedule A Base Bid				\$	
Sales Tax (8.6%)				\$	
Total Bid Amount for Schedule A				\$	

BID SCHEDULE B:					
PIPELINE REPLACEMENT AT SR-9 NORTH OF KALLOCH ROAD					
Item No.	Bid Schedule Description	Estimated Quantity	Unit	Unit Price	Total
B1.	Mobilization	1	LS	\$	\$
B2.	SPCC Plan, TESC Plan, Contractors Safety Plan and Site-Specific Safety Plan	1	LS	\$	\$
B3.	Bore Plan and Record Drawings	1	LS	\$	\$
B4.	Install and Maintain Temporary Erosion Control and Water Pollution Control Measures	1	LS	\$	\$
B5.	Traffic Control Supervisor	15	Days	\$	\$
B6.	Flaggers and Spotters	360	Hours	\$	\$
B7.	Traffic Control Signs and Devices	1	LS	\$	\$
B8.	Portable Changeable Message Sign	20	Days	\$	\$
B9.	Pothole Existing Utilities	1	LS	\$	\$
B10.	Furnish and Install Adequate Site and Trench Safety Systems in Accordance with Chapter 49.17 RCW	1	LS	\$	\$

B11.	Horizontal Directional Drill for Installation of 16-inch Fused HDPE Pipe	500	LF	\$	\$
B12.	Furnish and Install Fused 16-Inch IPS HDPE 4710 DR11 in HDD Borehole	500	LF	\$	\$
B13.	Furnish and Install 8-inch Fused C-900 PVC PC235 Pipe in Casing	500	LF	\$	\$
B14.	Furnish and Install 8-inch 11¼° DI Ell	2	Each	\$	\$
B15.	Furnish and Install 8-inch Gate Valve with Cover	2	Each	\$	\$
B16.	Waterline Flushing, Pressure Testing, Disinfection and Bac-T testing	1	LS	\$	\$
B17.	Connection Work for Tie-In at Station 36+24	1	LS	\$	\$
B18.	Connection Work for Tie-In at Station 41+24	1	LS	\$	\$
B19.	Furnish and Place Crushed Surfacing Material, Top Course	30	TON	\$	\$
B20.	Right-of-Way and Property Restoration	1	LS	\$	\$
B21.	Install 1-inch Rehau Municipex Water Service Line By Trench Per Standard Detail CIPWS58-1	1	LS	\$	\$

Sub-Total Schedule B Base Bid

\$

Sales Tax (8.6%)

\$

Total Bid Amount for Schedule B

\$

Total Bid for Schedules A and B

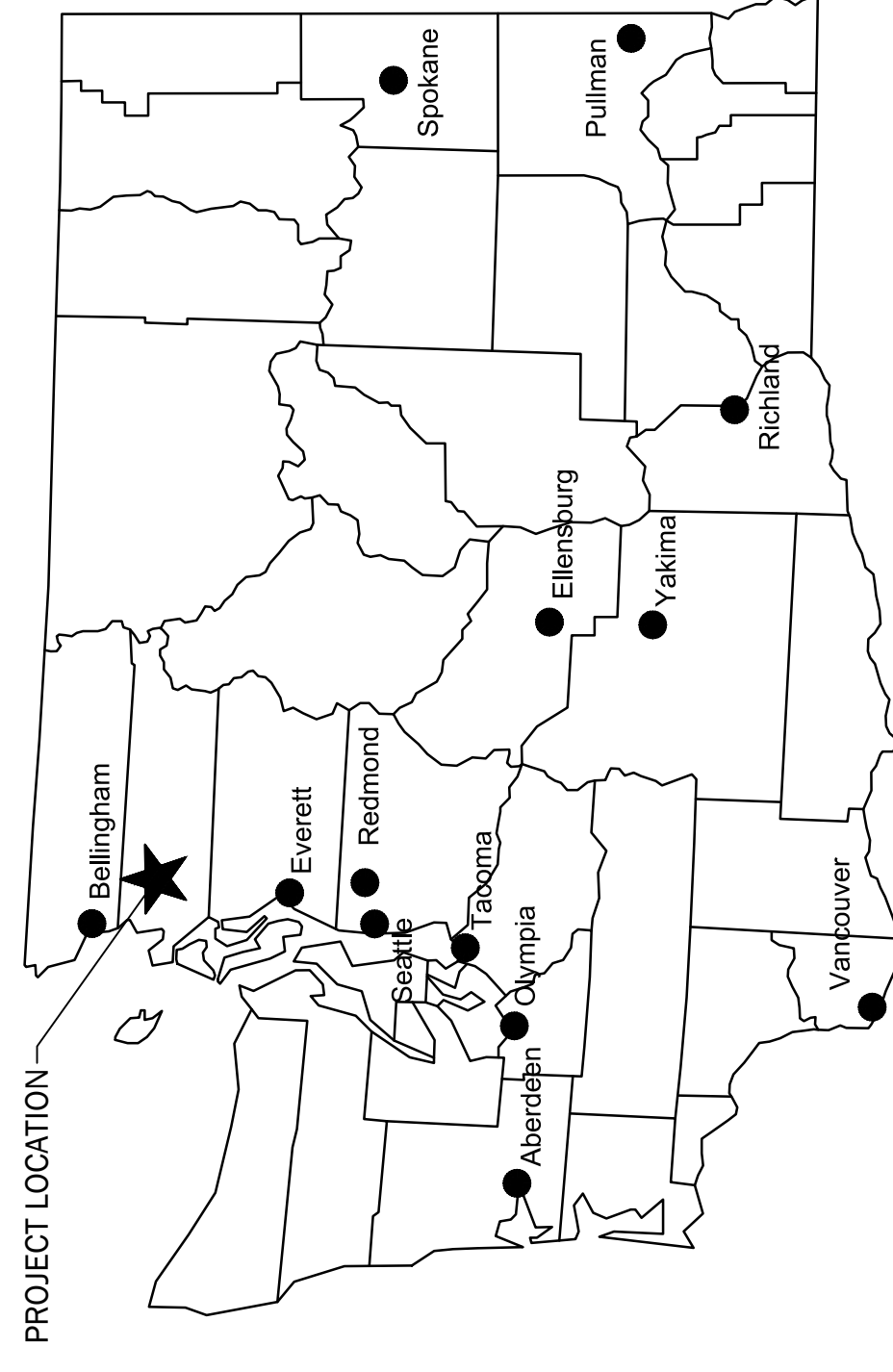
\$

DOLLARS

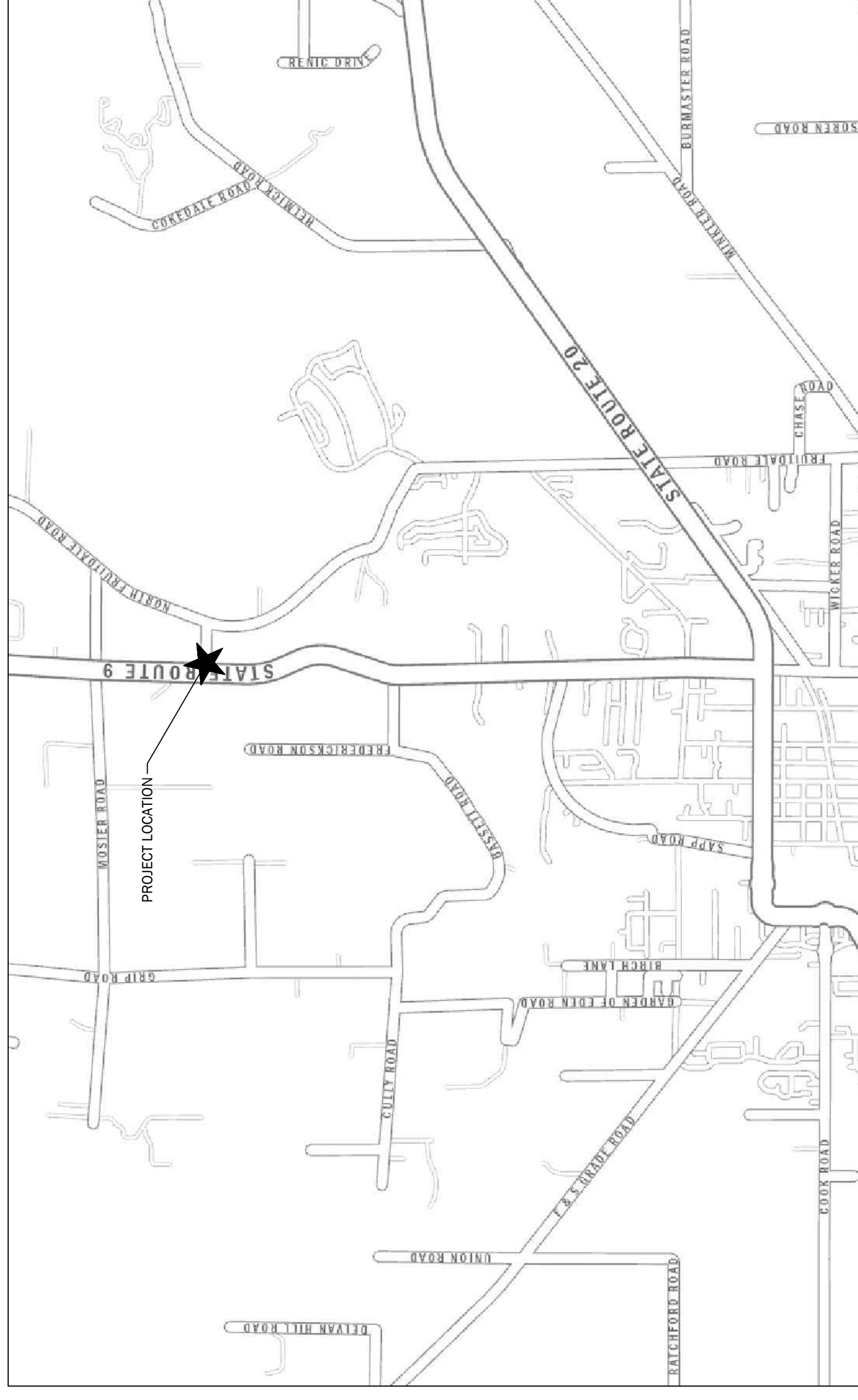
Total Bid, Schedules A and B Combined with Sales Tax (written in words)

SCHEDULE B: PIPELINE RELOCATION AT SR-9 NORTH OF KALLOCH ROAD

SKAGIT COUNTY, WASHINGTON



LOCATION MAP
NTS



VICINITY MAP
Scale: 1" = 2000'



SKAGIT COUNTY, WASHINGTON
CP15741

CO 2023 - 000386
ISSUED FOR BIDDING
JANUARY 4, 2024

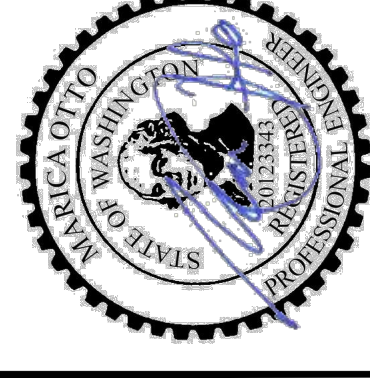
REVISION 1
JANUARY 12, 2024

DISTRICT NO. 1 OF SKAGIT COUNTY

DISTRICT OFFICIALS

JOE LINDQUIST ANDREW MILLER CORRIN HAMBURG	PRESIDENT VICE PRESIDENT SECRETARY
GEORGE SIDHU, P.E. MARK C. HANDZLIK, P.E. MICHAEL FOX	GENERAL MANAGER ENGINEERING MANAGER OPERATIONS MANAGER

SHEET	DESCRIPTION	SHEET NO.
G-1	COVER SHEET	1 OF 8
G-2	GENERAL NOTES AND ABBREVIATIONS	2 OF 8
C-1	SITE PREPARATION, TESC AND HORIZONTAL CONTROL PLAN	3 OF 8
C-2	TRENCHLESS PLAN AND PROFILE	4 OF 8
C-3	NOTES AND DETAILS	5 OF 8
C-4	SKAGIT PUD STANDARD DETAILS 1 OF 2	6 OF 8
C-5	SKAGIT PUD STANDARD DETAILS 2 OF 2	7 OF 8
C-6	TRAFFIC CONTROL AND CLASS A SIGNAGE PLAN	8 OF 8



REV.	ISSUED FOR BID	DATE	APPR.
1	1/12/24	MCH	
2	1/12/24	MCH	

DATE: 1/12/2024
REVISION: 1
PROJECT NUMBER: 230205
DESIGNED BY: MOC
DRAWN BY: CMV
JPR
REVISED BY:
ISSUED FOR BID

COVER SHEET
SCHEDULE B: PIPELINE RELOCATION
AT SR9 NORTH OF KALLOCH ROAD
SKAGIT COUNTY, WASHINGTON

SHEET REFERENCE NUMBER:
G-1

SHEET 1 OF 8

- SURVEY INFORMATION**
- SEMRAU ENGINEERING & SURVEYING, PLLC, SURVEY DATED 7/27/23.
 - BASIS OF BEARING: THE MONUMENTED EAST LINE OF THE NORTHEAST QUARTER OF SECTION 12 AS PER RECORD OF SURVEY RECORDED UNDER AUDITOR'S FILE NUMBER 9608280100, BEARING: S 02°32'19" W.
 - DATUM: NAVD88, BENCH MARK, MAG NAIL AND SHINER, 2' SOUTH OF SOUTH RIM WATER VALVE, AND 8' N 45' W FROM CENTER WHEELCHAIR RAMP AT BACK OF CURB. ELEV = 34.11 FEET NAVD88.
 - INSTRUMENTATION: LEICA MS50 THEODOLITE DISTANCE METER, LEICA GS14 RTK GPS RECEIVER.
 - SURVEY PROCEDURE: STANDARD FIELD TRAVERSE.
 - LOT LINES SHOWN ARE FROM SKAGIT COUNTY ASSESSORS MAPS.
 - EXCEPT AS SPECIFICALLY STATED OR SHOWN ON THIS SURVEY MAP, THIS SURVEY DOES NOT PURPORT TO REFLECT ALL OF THE FOLLOWING, WHICH MAY BE APPLICABLE TO THE SUBJECT REAL ESTATE: EASEMENTS; BUILDING SETBACKS LINES; RESTRICTIVE COVENANTS; SUBDIVISION RESTRICTIONS; ZONING OR OTHER LAND-USE REGULATIONS AND ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
 - REFERENCE SURVEYS:
 - R1 RECORD OF SURVEY RECORDED UNDER APN 9608280100
 - R2 SHORT CARD PLAT 90-32 RECORDED UNDER APN 9007310009
 - R3 SHORT CARD PLAT 91-03 RECORDED UNDER APN 9207130049

- GENERAL NOTES**
- THE CONTRACTOR SHALL PROTECT BUILDINGS, FENCES, APPURTENANCES, ABOVE GROUND UTILITIES, AND OTHER PROPERTY ADJACENT TO ALL CONSTRUCTION AREAS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR REPAIRING ALL DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES.
 - ON-SITE EROSION CONTROL MEASURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND BE IN PLACE PRIOR TO GROUND DISTURBANCE. ANY PROBLEMS OCCURRING BEFORE FINAL ACCEPTANCE BY THE DISTRICT SHALL BE CORRECTED BY THE CONTRACTOR. UPON FINAL ACCEPTANCE BY THE DISTRICT, OR AS OTHERWISE DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AS DIRECTED BY THE ENGINEER.
 - ANY REVISIONS TO PLANS MUST BE APPROVED BY THE ENGINEER AND THE DISTRICT PRIOR TO ANY IMPLEMENTATION IN THE FIELD.
 - A COPY OF THE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
 - MATERIALS SAMPLING AND TESTING SHALL BE AT A FREQUENCY AND MAGNITUDE AS SPECIFIED IN THE STANDARD SPECIFICATIONS OR DETERMINED BY THE ENGINEER. A PRIVATE AND INDEPENDENT TESTING LABORATORY SHALL PERFORM TESTING AND SAMPLING. CERTIFIED TEST REPORTS SHALL BE FURNISHED FOR ALL TESTS PERFORMED BY PRIVATE TESTING LABORATORIES.

- GENERAL TRENCHLESS WATER MAIN CONSTRUCTION NOTES**
- ALL PERMIT DOCUMENTS ASSUME THAT THIS TRENCHLESS CROSSING WILL BE INSTALLED USING DIRECTIONAL DRILLING METHODS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR OBTAINING NEW PERMITS IF A DIFFERENT METHOD IS PROPOSED.
 - THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING DIMENSIONS AND LOCATIONS OF LAUNCH/RECEIVING PITS.
 - PROFILE STATIONING REFERENCES CONTROL ALIGNMENT. PROFILE ELEVATIONS SHOWN ARE DIRECTLY ABOVE PROPOSED WATERMAIN ALIGNMENT.
 - THE CONTRACTOR SHALL CONTAIN WORK TO WITHIN RIGHT OF WAY OR THE TEMPORARY CONSTRUCTION EASEMENT LIMITS AS ILLUSTRATED ON THE PLANS.
- SITE RESTORATION NOTES**
- REPAIR ALL DAMAGE TO WSDOT AND PRIVATE PROPERTY TO THE SATISFACTION OF THE AFFECTED HOMEOWNER AT NO ADDITIONAL COST TO THE DISTRICT.
 - REPAIR ALL LANDSCAPING AND GRAVEL AREAS TO EXISTING OR BETTER CONDITION.

- EXISTING FEATURES LEGEND**
- ⊙ MW MONITORING WELL
 - ⊕ CPT CONE PENETROMETER TEST
 - ⊙ SOIL BORING
 - SIGN, AS NOTED
 - ▣ MB MAILBOX
 - ⊙ GP GATE POST
 - ⊙ WP WOOD POST
 - ⊙ SP STEEL POST FENCE
 - ⊙ TP TELEPHONE PEDESTAL
 - ⊙ PP POWER ON POST
 - ⊙ UP UTILITY POLE
 - GA GUY ANCHOR
 - ⊗ PJB POWER JUNCTION BOX
 - ⊗ WV WATER VALVE
 - ⊗ WM WATER METER
 - ⊗ GV GAS VALVE
 - ⊗ GM GAS METER
 - ⊗ SL SEPTIC LID 2' DIAMETER
 - ⊗ SCO SEPTIC CLEAN OUT 4" PVC
 - CB CATCH BASIN, AS NOTED
 - EP EDGE OF PAVEMENT
 - P — POWER
 - T — TELEPHONE
 - C — TV CABLE
 - F — FIBER OPTIC
 - X — FENCE, AS NOTED
 - ⊕ TELEPHONE VAULT
 - ⊕ POWER VAULT
- w — EXISTING 8-INCH DIAMETER DUCTILE IRON WATERMAIN
 - - - - - WATER PIPELINE TO BE REMOVED BY DISTRICT CREWS
 P-365589 PARCEL NUMBER
 WSDOT RIGHT-OF-WAY

- PROPOSED FEATURES LEGEND**
- ⊕ PROJECT CONTROL POINT
 - PROPOSED WATER PIPELINE ALIGNMENT
 - 45° DI ELL
 - WATER VALVE
- ABBREVIATIONS**
- APPROX APPROXIMATELY
 - AWWA AMERICAN WATER WORKS ASSOCIATION
 - CB CATCH BASIN
 - CONC CONCRETE
 - CMP CORRUGATED METAL PIPE
 - CPE CORRUGATED POLYETHYLENE
 - DI DUCTILE IRON
 - DISTRICT PUBLIC UTILITY DISTRICT NO. 1 OF SKAGIT COUNTY
 - I.E. INVERT ELEVATION
 - HDPE HIGH DENSITY POLYETHYLENE
 - MUTC MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
 - PVC POLYVINYL CHLORIDE
 - RIGHT-OF-WAY RIGHT-OF-WAY
 - WSDOT WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

- DISTRICT STANDARD GENERAL NOTES (MINIMUM REQUIREMENTS)**
- UNLESS STATED OTHERWISE, ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE MOST CURRENT WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AND THE DISTRICT REQUIREMENTS AS OUTLINED IN THE DISTRICT'S WATER POLICY MANUAL.
 - THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION CONFERENCE WITH THE DISTRICT ENGINEERING DEPARTMENT, (360) 424-7104, A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.
 - ALL PERMITS NECESSARY FOR THE INSTALLATION OF THE PROPOSED WATER SYSTEM IMPROVEMENTS WILL BE THE RESPONSIBILITY OF THE DEVELOPER, ENGINEER, OR CONTRACTOR TO ACQUIRE. A COPY OF THE PERMITS WILL BE SUBMITTED TO THE DISTRICT, PRIOR TO CONSTRUCTION. ALL RIGHTS SHALL BE GRANTED TO, OR TRANSFERRED TO THE DISTRICT.
 - DISTRICT REFERENCE DOCUMENTS, SUCH AS STANDARD DETAILS, WATER POLICY MANUAL, DRAWING STANDARDS, ETC., CAN BE FOUND ON THE DISTRICT WEBSITE AT WWW.SKAGIT.PUD.ORG.
 - ALL TIE-INS, SHUTDOWN, FLUSHING, AND HEALTH SAMPLES SHALL BE COORDINATED WITH THE DISTRICT. THE CONTRACTOR SHALL NOT OPERATE ANY VALVES.
 - A LIST OF ALL MATERIALS, INDICATING THE MANUFACTURER, MODEL, AND SIZE, FOR THE WATER SYSTEM IMPROVEMENTS WILL BE APPROVED BY THE DISTRICT PRIOR TO CONSTRUCTION. CONTACT DISTRICT FOR SUBMITTAL REQUIREMENTS.
 - PVC PIPE SHALL BE IN ACCORDANCE WITH SECTION 9-30.115(A) OF THE STANDARD SPECIFICATIONS.
 - ALL BOLTS USED IN BURIED FLANGES SHALL BE ASTM A307 GRADE B UNFINISHED WITH NUTS TO ASTM A563 GRADE A AND WASHERS TO ASTM F444, OR ASTM A325 TYPE 3 (CORTEN STEEL) UNFINISHED, WITH NUTS TO ASTM A563C3 OR A563DH3 AND WASHERS TO ASTM F436-1. ALL BOLTS, NUTS AND WASHERS USED IN EXPOSED OR ABOVE GROUND LOCATIONS SHALL BE ASTM A307 GRADE B UNFINISHED OR HOT-DIP GALVANIZED.
 - ALL GATE VALVES TO BE RESILIENT SEATED GATE VALVES, AWWA C515 OR C509 (DUCTILE IRON BODY ONLY) WITH STAINLESS STEEL NUTS, BOLTS AND TRIM.
 - ALL BUTTERFLY VALVES TO BE RUBBER SEATED BUTTERFLY VALVES, AWWA C504 WITH STAINLESS STEEL NUTS, BOLTS AND TRIM.
 - RESTRAINED JOINTS MAY BE USED IN PLACE OF CONCRETE BLOCKING AS DIRECTED BY THE PROJECT'S DESIGN ENGINEER AND ACCEPTED BY THE DISTRICT.
 - ALL FIRE HYDRANTS SHALL CONFORM TO AWWA C502 WITH STORZ ADAPTORS. ACCEPTABLE FIRE HYDRANTS INCLUDE CLOW MEDALLION, MUELLER CENTURION OR SUPER CENTURION, AMERICAN DARLING B62B AND AMERICAN AVK NOSTALGIC.
 - A #10 SOLID COPPER WIRE WITH BLUE INSULATION IS TO BE INSTALLED WITH/AND ATTACHED TO ALL NEW WATER PIPELINES AND SERVICE PIPELINES. REFER TO DISTRICT DETAILS FOR INSTALLATION REQUIREMENTS.
 - UNLESS OTHERWISE SPECIFIED, ALL WATER PIPELINE INSTALLATIONS REQUIRE A 36-INCH MINIMUM COVER AND 48-INCH TYPICAL TRENCH DEPTH TO EXISTING OR FUTURE FINISH GRADE AND A MINIMUM OF 1-FOOT VERTICAL AND 5-FOOT HORIZONTAL CLEARANCE BETWEEN WATER PIPELINE AND ALL OTHER UTILITIES UNLESS OTHERWISE SPECIFIED.
 - UNLESS OTHERWISE SPECIFIED, ALL WATER PIPELINE INSTALLATIONS WITHIN THE WSDOT ROW MUST BE 60-INCH MINIMUM BELOW ADJACENT PAVEMENT ELEVATIONS FROM THE CREST OF PIPE.
 - WHEN INSTALLING WATER PIPELINE ACROSS EXISTING OR PROPOSED SANITARY SEWER, A FULL LENGTH OF PIPE SHALL BE INSTALLED WITH MID-SPAN OF THE WATER PIPE OVER THE SEWER. A MINIMUM 10-FOOT HORIZONTAL SEPARATION AND 18-INCH VERTICAL SEPARATION BETWEEN WATER PIPELINES AND SANITARY SEWER PIPELINES IS REQUIRED, UNLESS AN ALTERNATIVE PROPOSAL FROM THE DESIGN ENGINEER IS SUBMITTED TO AND APPROVED BY THE DISTRICT.
 - BEDDING MATERIAL FOR THE DUCTILE IRON PIPE SHALL BE SELECT, NATIVE, GRANULAR MATERIAL FREE FROM WOOD, WASTE, ORGANIC MATERIAL OR OTHER EXTRANEOUS OR OBJECTIONABLE MATERIALS AND SHALL BE A MAXIMUM SIZE OF 1.1/2-INCHES OR APPROVED PIPE BEDDING PER WSDOT SPECIFICATION 7-09.3(9) AND 9-03.12(3). PEA GRAVEL AND BUCKSHOT ARE NOT ACCEPTABLE.
 - BACKFILL TRENCHES IN PAVEMENT AREAS WITH PIT-RUN GRAVEL COMPACTED TO AT LEAST 95 PERCENT MINIMUM DENSITY PER WSDOT SPECIFICATION 7-09.3(11). THE CONTRACTOR SHALL MAKE ALL PAVEMENT REPAIRS AND PERFORM ALL RESTORATION.
 - PRESSURE TESTING AND DISINFECTION SHALL BE IN ACCORDANCE WITH SKAGIT PUD WATERLINE TESTING AND DISINFECTION PROCEDURES.
 - ALL SALVAGED USABLE DISTRICT OWNED MATERIALS ARE TO BE DELIVERED TO THE DISTRICT OFFICE AT 1415 FREEWAY DRIVE, MOUNT VERNON, OR AS DIRECTED BY THE DISTRICT.
 - THE UTILITY LOCATIONS MARKED ON THIS MAP ARE APPROXIMATE. THE CONTRACTOR IS TO VERIFY ACTUAL LOCATION AND DEPTH PRIOR TO CONSTRUCTION. CALL THE UNDERGROUND UTILITY LOCATE CENTER AT 800-424-5555.
 - ALL PRIVATE FIRE SPRINKLERS OR PRIVATE FIRE HYDRANT PIPELINES ARE REQUIRED TO BE INSTALLED WITH A WASHINGTON STATE DEPARTMENT OF HEALTH (WSDOH) APPROVED DOUBLE CHECK DETECTOR ASSEMBLY(IES) OR REDUCED PRESSURE DETECTOR ASSEMBLY(IES), LOCATED IMMEDIATELY AFTER THE FIRE SERVICE CONNECTION. A BADGER RECORDALL METER WITH A REMOTE TOUCH-READ PAD WILL BE SUPPLIED AND INSTALLED BY THE DISTRICT WITHIN 6-INCHES OF THE VAULT LID'S HINGE AND BRASS PLUGS IN THE TEST PORTS. METER SUPPLY AND INSTALLATION WILL BE INCLUDED WITH THE CHARGES IN THE WORK ORDER.
 - A LEAD FREE WASHINGTON STATE APPROVED, REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED AT TEMPORARY CONNECTIONS BETWEEN THE EXISTING DISTRICT PIPELINES AND NEW WATER PIPELINES FOR FILLING, FLUSHING AND PRESSURE TESTING OF THE IMPROVEMENTS. UPON TEMPORARY CONNECTION, AND PRIOR TO FILLING, THE ASSEMBLY SHALL HAVE BEEN SUCCESSFULLY TESTED BY A BACKFLOW ASSEMBLY TESTER (BAT) AND THE TEST REPORT IS TO BE PROVIDED TO THE DISTRICT.
 - BEFORE FINAL CONNECTION TO THE EXISTING DISTRICT SYSTEM, ALL NEW WATER PIPELINES AND REPAIRED PORTIONS OF/OR EXTENSION TO EXISTING PIPELINES SHALL BE ADEQUATELY DISINFECTED AND A SATISFACTORY BACTERIOLOGICAL REPORT OBTAINED.

REV	ISSUED FOR	DESCRIPTION	DATE	APP'D
1	ISSUED FOR BID	ADDITIONAL NO. 1 - BURIAL DEPTH, METERED SERVICE LINE	1/12/24	MCH
2			1/12/24	MCH
3			1/12/24	MCH
4			1/12/24	MCH
5			1/12/24	MCH
6			1/12/24	MCH

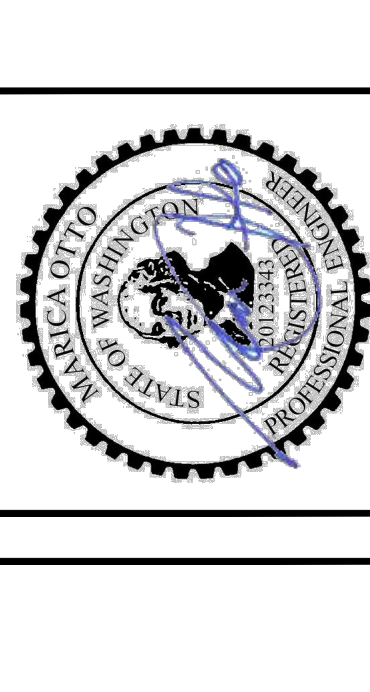
Skagit PUD
PUBLIC UTILITY DISTRICT

Aspect CONSULTING

GENERAL NOTES AND ABBREVIATIONS

SCHEDULE B: PIPELINE RELOCATION
AT SR9 NORTH OF KALLOCH ROAD
SKAGIT COUNTY, WASHINGTON

SHEET REFERENCE NUMBER:
G-2
SHEET 2 OF 8



DATE	REVISION	PROJECT NUMBER	DESIGNED BY	MOO	CHKD BY	REVISED BY	JPR
1/12/2024	1	230205					



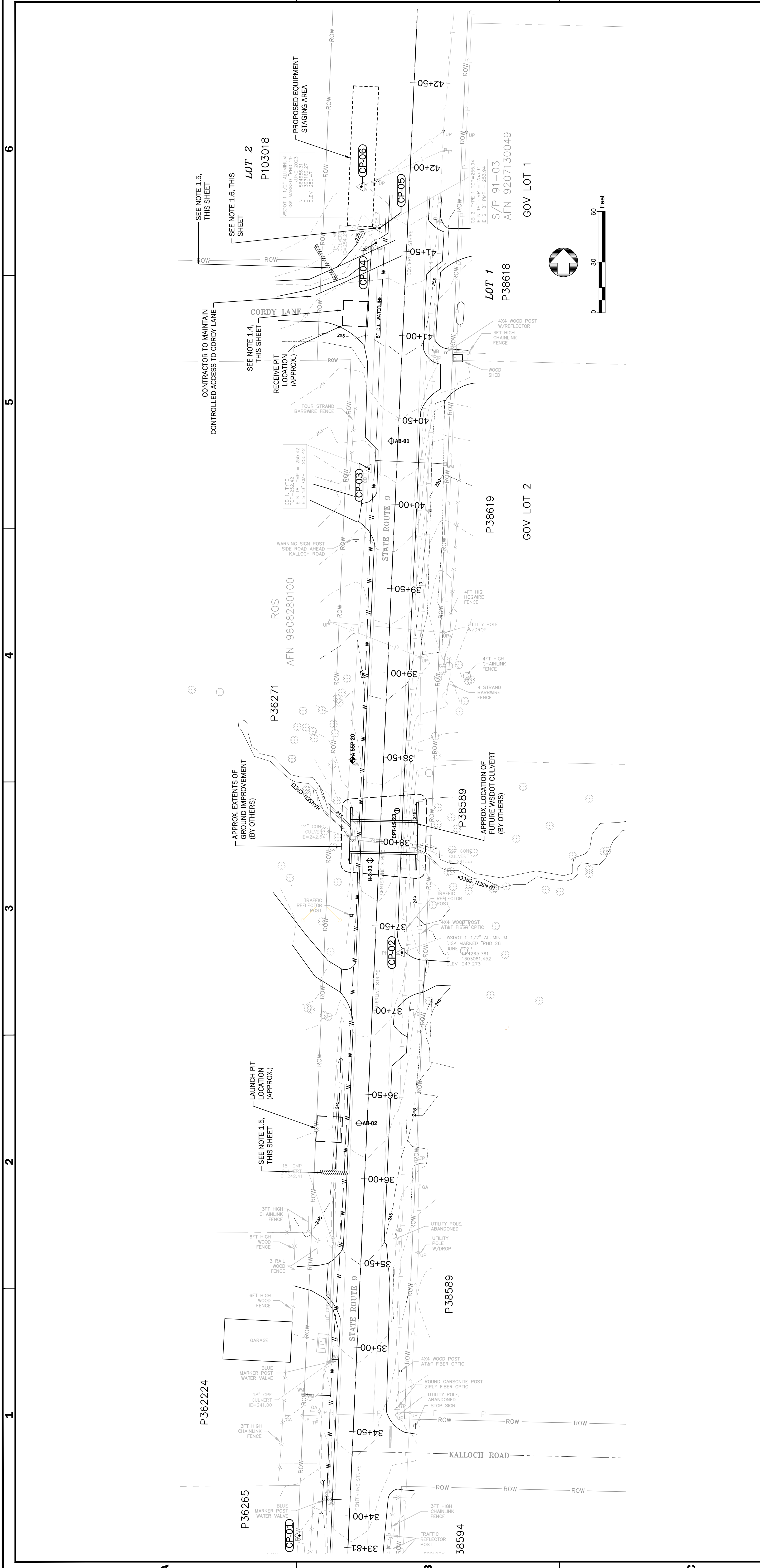
1/12/2024

REV	ISSUED FOR	DESCRIPTION	DATE	APPR
1	ISSUED FOR BID	ADJUDICATED NO. 1 - BURIAL DEPTH, METERS SERVICE LINE	1/12/24	MCH



SITE PREPARATION, TESC AND HORIZONTAL CONTROL PLAN
 SCHEDULE B: PIPELINE RELOCATION AT SR9 NORTH OF KALLOCH ROAD SKAGIT COUNTY, WASHINGTON

SHEET REFERENCE NUMBER: **C-1**
 SHEET 3 OF 8



- 1. SITE PREPARATION NOTES:**
- LOCATION OF EXISTING UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL POTHOLE AT CRITICAL LOCATIONS AS NECESSARY TO IDENTIFY EXACT SIZES, MATERIALS, AND CONFIGURATIONS AND NOTIFY DISTRICT OF ANY CONFLICTS. STORM PIPES TO/FROM STRUCTURES HAVE NOT BEEN LOCATED AND ARE NOT SHOWN. CONTRACTOR TO COORDINATE WITH UTILITY PURVEYORS TO HAVE UTILITY POLES TEMPORARILY SUPPORTED AS REQUIRED TO PREVENT DAMAGE DURING CONSTRUCTION.
 - PROVIDE 48-HR NOTICE TO THE DISTRICT AND HOMEOWNERS PRIOR TO DISTURBING ANY HOMEOWNER ACCESS.
 - PRESERVE AND PROTECT EXISTING LANDSCAPING TO THE MAXIMUM EXTENT PRACTICAL. REPAIR ANY DAMAGE TO EXISTING OR BETTER CONDITIONS, AS DETERMINED BY THE DISTRICT.
 - REMOVE AND STOCKPILE EXISTING GRAVEL SURFACING AS REQUIRED. RE-USE GRAVEL FOR DRIVEWAY RESTORATION. SUBJECT TO DISTRICT APPROVAL.
 - INSTALL STRAW WATLES IN GENERAL ACCORDANCE WITH WSDOT STANDARD PLAN I-30.30.02 AND BEST MANAGEMENT PRACTICES. PREVENT ANY UNCONTROLLED RUNOFF TO PRIVATE PROPERTY OR WSDOT RIGHT OF WAY.
 - INSTALL STORM DRAIN INLET PROTECTION PER WSDOT STANDARD PLAN I-40.20.00.
 - CONTRACTOR SHALL USE TEMPORARY EROSION AND SEDIMENT CONTROL. BEST MANAGEMENT PRACTICES PER SPECIFICATION 02270.

PROJECT CONTROL POINTS

Point ID	Station	Northing	Easting	Elevation	Description
CP-01	33+87.80, 28.97 RT	563920.34	1303000.79	240.96	N/A
CP-02	37+35.60, 16.03 RT	564265.76	1303061.45	247.22	WSDOT 1 1/2" Aluminum Disk Marked PHD 28
CP-03	40+21.12, 16.36 LT	564552.46	1303041.98	252.42	CB 1
CP-04	41+55.03, 18.20 LT	564686.31	1303046.19	256.50	WSDOT 1 1/2" Aluminum Disk Marked PHD 29
CP-05	41+63.70, 16.63 LT	564694.91	1303048.15	255.94	CB 2
CP-06	41+87.80, 28.43 LT	564719.50	1303037.45	256.88	N/A



1/12/2024

REV.	ISSUED FOR BID	DESCRIPTION	DATE	APPR.
1	1/12/24	ADENDUM NO. 1 - BURIAL DEPTH, METERED SERVICE LINE	1/12/24	MCH
2	1/4/24		1/4/24	MCH

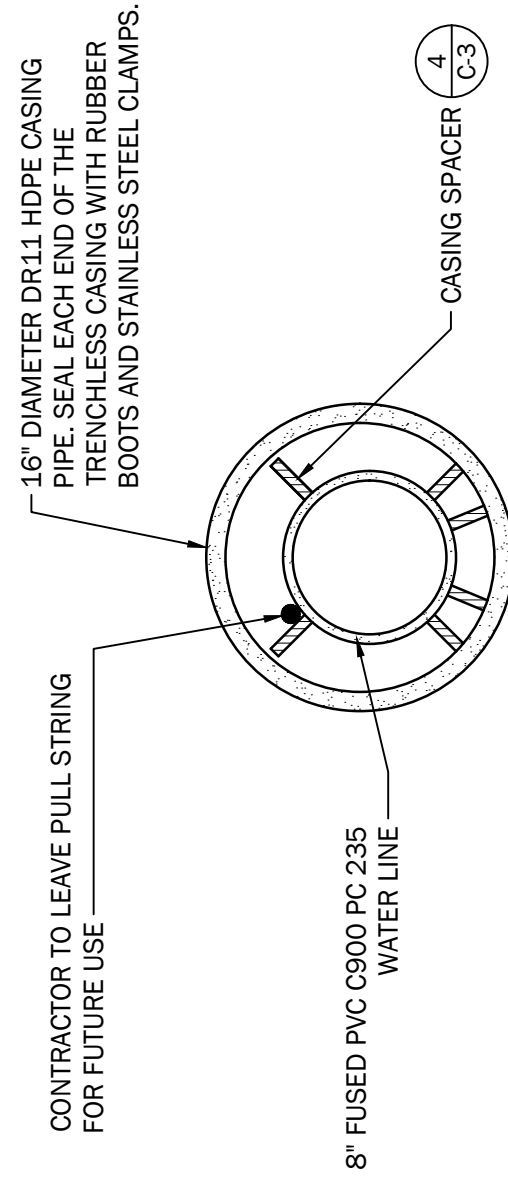


NOTES AND DETAILS
 SCHEDULE B: PIPELINE RELOCATION
 AT SR9 NORTH OF KALLOCH ROAD
 SKAGIT COUNTY, WASHINGTON

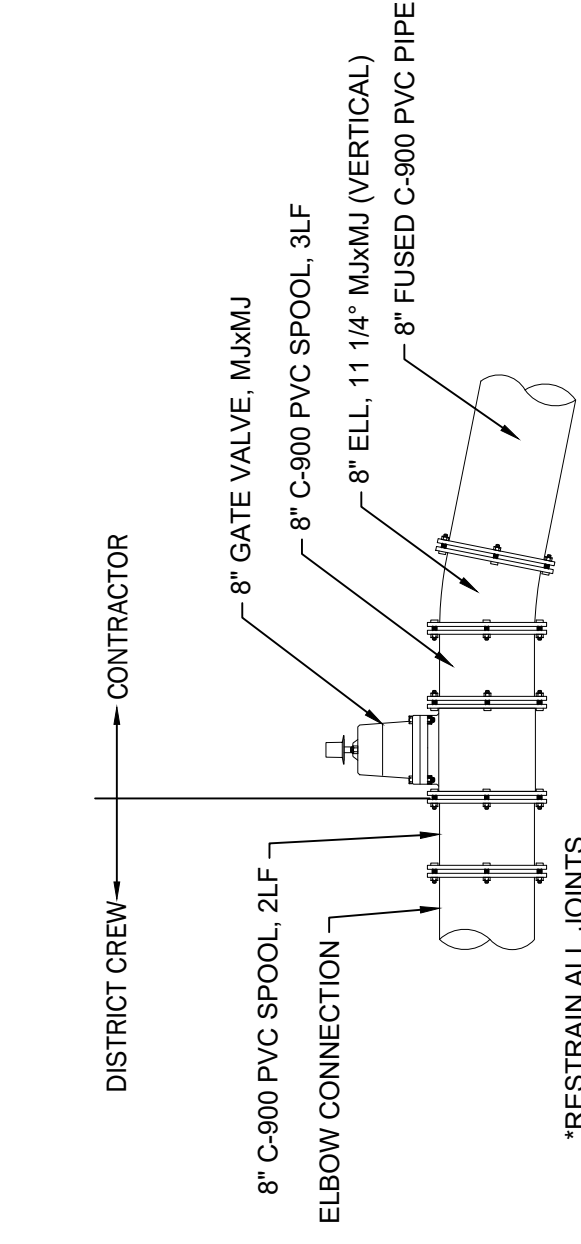
SHEET
 REFERENCE
 NUMBER:

C-3

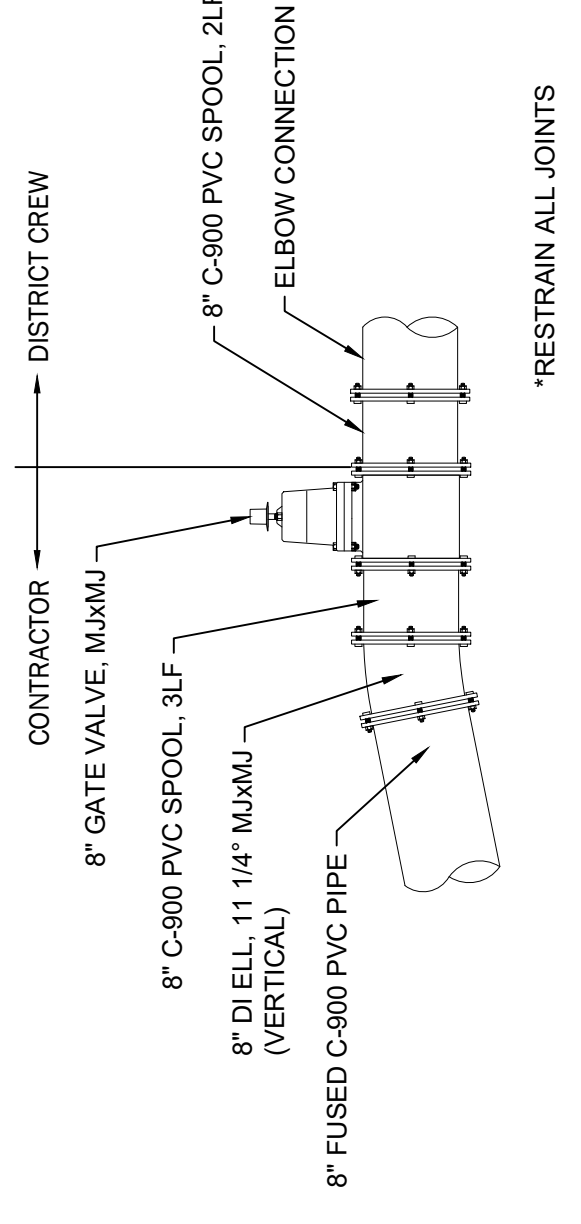
SHEET 5 OF 8



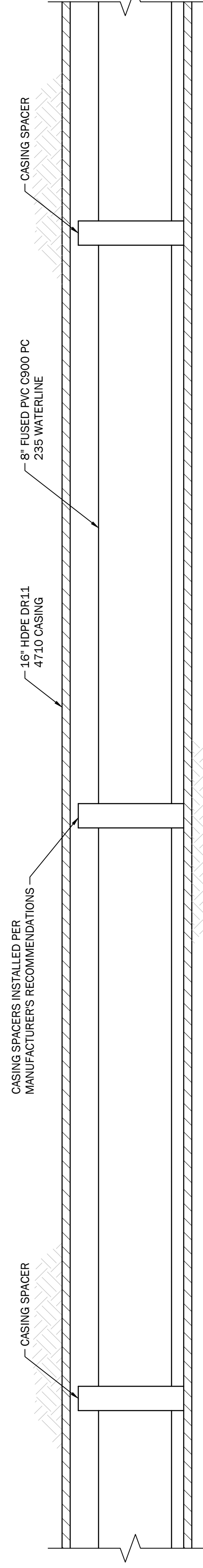
1 TRENCHLESS SECTION
 SCALE: NTS



2 DIRECTIONAL DRILLING SOUTH CONNECTION DETAIL
 SCALE: NTS



3 DIRECTIONAL DRILLING NORTH CONNECTION DETAIL
 SCALE: NTS



4 STANDARD PIPE CASING INSTALLATION
 SCALE: NTS



DATE	1/12/2024
REVISION	1
PROJECT NUMBER	230205
DESIGNED BY	MOC
DRAWN BY	GMV
REVISOR	JPR
ISSUED FOR BID	-
DATE	1/12/2024
APPROVED BY	MCH
DATE	1/4/24
APPROVED BY	MCH

ADENDUM NO. 1 - BURIAL DEPTH, METERED SERVICE LINE	
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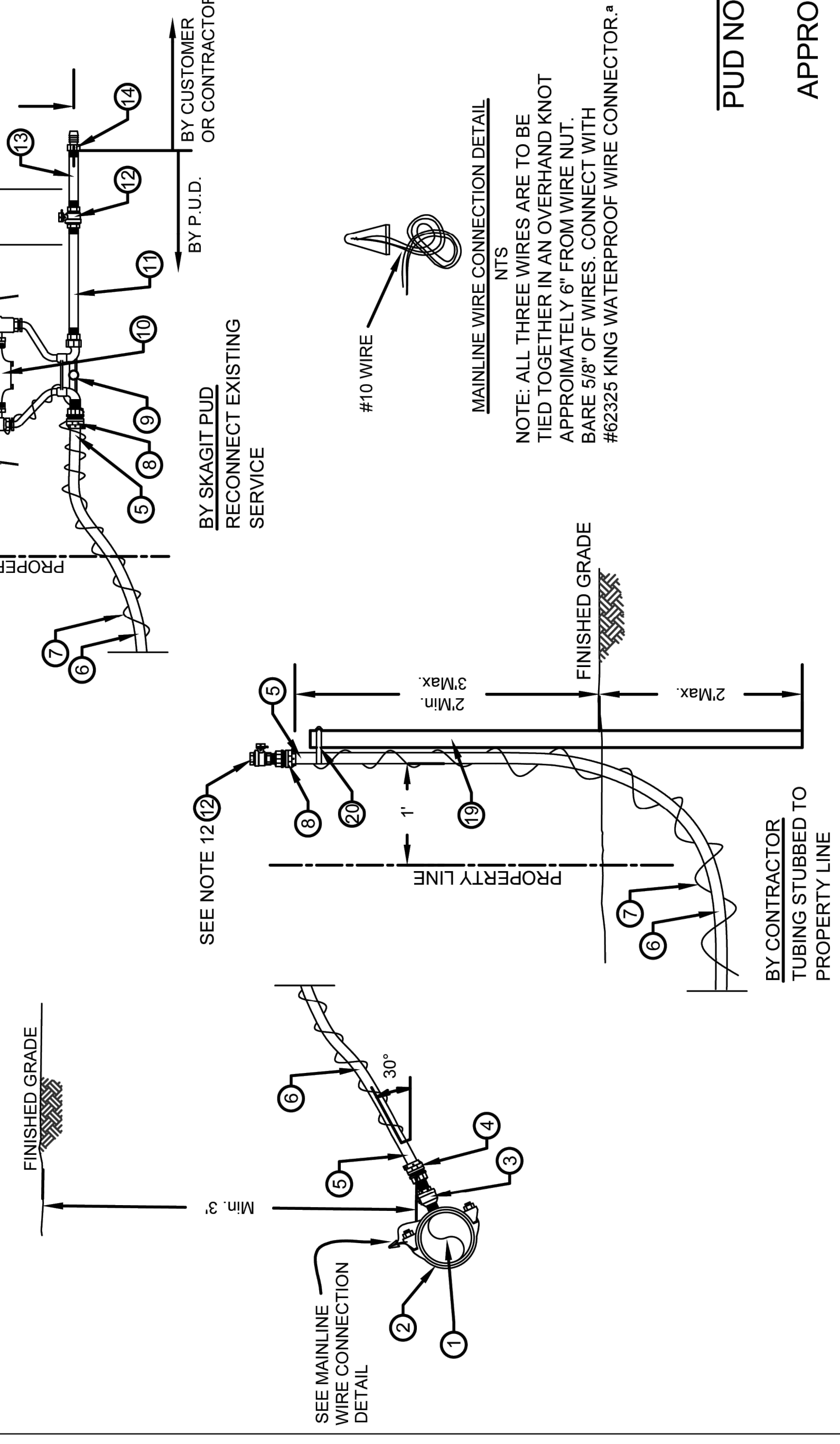
SKAGIT PUD STANDARD DETAILS
2 OF 2
SCHEDULE B: PIPELINE RELOCATION
AT SR9 NORTH OF KALLOCH ROAD
SKAGIT COUNTY, WASHINGTON

SHEET REFERENCE NUMBER:
C-5
SHEET 7 OF 8

BILL OF MATERIALS			
NO.	NOMENCLATURE	RECD NO.	REQD
1.	WATER MAIN CLAMP, SERVICE, DOUBLE STRAP x 1" I.P.T., ALL BRASS, (FORD #202B) ^a	1	1
2.	CLAMP, SERVICE, DOUBLE STRAP x 1" I.P.T., ALL BRASS, (FORD #202B) ^a	1	1
3.	CORP. 1", (FORD #FB500-4) ^a	1	1
4.	ADAPTER, BRASS PAC JOINT, 1" F.I.P.T. x 1" COP (FORD #C14-44-NL) ^a	1	1
5.	INSERT, STIFFENER, 3/4" (FORD #71) ^a	2	1
6.	PIPE, 1" REHAU MUNICIPEX TYPE A, 200 P.S.I.		
7.	WIRE, #10 SOLID COPPER, BLUE COATED, EXTEND MIN. 18" INTO BOX, NEAR LID		
8.	ADAPTER, BRASS PAC JOINT, 1" M.I.P.T. x 1" COP (FORD #C84-44-NL) ^{ab}	1	1
9.	COPPERSETTER, 3/4" (FORD #VBHC72-9W-11-44-NL FP)		
10.	METER, BADGER MODEL M25 (5/8") OR M35 (3/4") BRONZE METER (BY PUD)		

^a OR EQUIVALENT APPROVED BY THE DISTRICT
^b ELL, 90° STREET, 1" M X F.I.P.T. (IF NEEDED)

ALL BRASS FITTINGS TO BE LEAD FREE DOMESTIC BRASS



NOTES

- CORP TO BE IN FULL OPEN POSITION BEFORE BACKFILL.
- INSTALL SERVICE LINE PERPENDICULAR TO MAIN UNLESS OTHERWISE SHOWN ON WATER CONSTRUCTION PLAN.
- SERVICE LINE IS TYPICALLY 1' 6" TO NORTH OR WEST OF PROPERTY CORNER OR AS OTHERWISE SPECIFIED.
- PUD OWNERSHIP ENDS AT THE METER AND METER BOX. WATER SERVICES TO BE CONNECTED TO AN ACTIVE WATERLINE ARE REQUIRED TO BE INSTALLED BY PUD. WATER SERVICES INSTALLED WITH A NEW WATERLINE OR WATERLINE EXTENSION WILL BE PERFORMED BY THE CONTRACTOR/DEVELOPER PRIOR TO CONNECTION OF THE NEW WATERLINE TO THE PUD SYSTEM. THE PUD IS REQUIRED TO SET ALL METERS. IF A NEW WATER SERVICE IS INSTALLED BY THE PUD, PUD WILL INCLUDE THE PRIVATE SHUT-OFF VALVE AFTER THE METER. AFTER INSTALLATION THE OWNER IS RESPONSIBLE FOR ALL FUTURE MAINTENANCE, REPAIR AND REPLACEMENT OF THE PRIVATE SHUT-OFF VALVE. IF METER IS NOT INSTALLED IN COPPERSETTER, INSTALL A PVC NIPPLE BETWEEN METER CONNECTIONS. IF CONNECTION IS NOT MADE TO CUSTOMER'S PLUMBING, INSTALL A WATERTIGHT WRAP OF ELECTRICAL TAPE OVER END OF ADAPTER(#14). SET COPPERSETTER FLUSH, PLUMB AND CENTERED IN BOX. FLUSH OUT SERVICE TUBING AND COPPERSETTER BEFORE INSTALLING METER. DO NOT ALLOW MUD OR FOREIGN MATERIAL TO ENTER ANY TUBING OR FITTINGS.
- INSTALLING METER DO NOT ALLOW MUD OR FOREIGN MATERIAL TO ENTER ANY TUBING OR FITTINGS.
- FILL BOX WITH FINE DIRT TO TOP OF METER.
- IF THE METER BOX IS LOCATED IN ASPHALT OR CONCRETE AREA, A TRAFFIC BOX, CARSON 1324-2520 W/COVER 1324-4526 WILL BE REQUIRED. NOT FOR THROUGH-WAY TRAFFIC APPLICATIONS. IF THERE IS PETROLEUM-BASED CONTAMINATED SOIL PRESENT, THE SERVICE PIPELINE SHALL BE OF TYPE K COPPER WITH BRASS AND COPPER FITTINGS.
- IF SERVICE LINE HAS LESS THAN 2' 0" OF COVER, CONTACT DISTRICT ENGINEERING DEPARTMENT FOR FREEZE PROTECTION REQUIREMENTS.
- BACKFLOW PROTECTION AT THE SERVICE CONNECTION IS REQUIRED FOR NON-RESIDENTIAL, AGRICULTURAL, AND IRRIGATION USES. ON LARGE SIZED PROPERTIES, PROPERTIES WITH EXITING WELLS AND BOOSTER/SEWAGE PUMPS, AND IN OTHER SITUATIONS AS DESCRIBED IN THE DISTRICT'S CROSS CONNECTION CONTROL MANUAL.
- BALL VALVE TO BE REMOVED BY DISTRICT PRIOR TO CONNECTING TO METER.

APPROVED ON: DECEMBER 5, 2023

PUD NO. 1 OF SKAGIT COUNTY ENGINEERING MANAGER

Skagit PUD
PUBLIC UTILITY DISTRICT

STANDARD INSTALLATION OF SINGLE 5/8" OR 3/4" METERED SERVICE WITH 200 P.S.I. REHAU SERVICE LINE FOR PIPELINE REPLACEMENT PROJECTS

STANDARD
CIPWS58-1

SCALE: 1" = 2'
DATE: 12/5/23
REVISED: 12/5/23
DRAWN BY: JLB
APPROVED BY: MCH

STANDARD INSTALLATION OF SINGLE 5/8" OR 3/4" METERED SERVICE WITH 200 P.S.I. REHAU SERVICE LINE FOR PIPELINE REPLACEMENT PROJECTS

1
C-5
SCALE: TBD

