

Tatoosh Water
Meter Installation Invoice for:

Samantha Heath
29316 15th Ave, Stanwood WA 98292

***** Construction Materials *****

Item	Description	Quant./Units	Unit	Unit Cost	Total
1	FCD202 6"X1"IP DBL 6.63 - 7.61 T#167077	1	LS	\$ 80.74	\$ 80.74
2	1" X 100' POLY PIPE 25DLB	100.0	EA	\$ 0.58	\$ 58.00
3	731318 1" BALL CORP MIP X MIP	1.0	EA	\$ 62.42	\$ 62.42
4	5/8 X 314 720-212WCDD33 12"	1.0	LF	\$ 153.88	\$ 153.88
5	74753-30 1" IPS X 314" MIP OJ	1.0	LF	\$ 36.50	\$ 36.50
6	61361"IPS/6133T 1-114"CTS STIFF	2.0	EA	\$ 2.09	\$ 4.18
7	74754-30 1"OJ X 1" FIP IPS	1.0	EA	\$ 28.01	\$ 28.01
	MID-STATES BOX MSBCF1118-12XL MID-ST LID MSCBC111 SR DI RDR LID 3/4" PVC THO				
8	PLUG (50) 450-007	1.0	EA	\$ 48.45	\$ 48.45
9	ST LID MSCBC111 SR DI RDR LID 3/4" PVC	2.0	EA	\$ 56.02	\$ 112.04
10	THO PLUG (50) 450-007	1.0	EA	\$ 0.76	\$ 0.76
11		1.0	EA	\$ -	\$ -
12		1.0	EA	\$ -	\$ -
13					
	Sub-Total			\$	528.20
14	Sales Tax			8.60%	\$ 45.43
15	SUB Total - Material			\$	573.63
16					

***** Construction Labor *****

Item	Description	Quant./Units	Unit	Unit Cost	Total
16	Backhoe & Operator	0	HRS	\$ -	\$ -
17	Servicemen (2 men x 9hrs)	18	HRS	\$ 85.00	\$ 1,530.00
19	Truck	0	HRS		
20					
30					
	Sub-Total			\$	1,530.00
32	Sales Tax			8.60%	\$ 131.58
33	SUB Total			\$	1,661.58

Item	Description	Quant./Units	Unit	Unit Cost	Total
39	Underground Contractor	1	LS	1500	\$1,500.00
40	Administrative/Clarical	4	HR	\$68.50	\$ 274.00
41					
	SUB TOTAL			\$	1,774.00
42					
43					
	Sub-Total			\$	1,774.00

Total Cost = \$4,009.21

Please remit payment to:
Tatoosh Water
14263 Calhoun Road
Mount Vernon, WA 98273

Account: Heath
Payment Due Date: 9/30/2018
Payment Due: \$4,009.21

Tatoosh Water Ljungberg Exhibit A

Kim Ljungberg
1100 310th NE, Stanwood WA 98292

*** Construction Materials ***

Item	Description	Quant./Units	Unit	Unit Cost	Total
1	FCD202 6"X1"IP DBL 6.63 - 7.61 T#167077	1	LS	\$ 80.74	\$ 80.74
2	1" X 100' POLY PIPE 25DLB	100.0	EA	\$ 0.58	\$ 58.00
3	731318 1" BALL CORP MIP X MIP	1.0	EA	\$ 62.42	\$ 62.42
4	5/8 X 314 720-212WCDD33 12"	1.0	LF	\$ 153.88	\$ 153.88
5	74753-30 1" IPS X 314" MIP OJ	1.0	LF	\$ 36.50	\$ 36.50
6	61361"IPS/6133T 1-114"CTS STIFF	2.0	EA	\$ 2.09	\$ 4.18
7	74754-30 1"OJ X 1" FIP IPS	1.0	EA	\$ 28.01	\$ 28.01
8	MID-STATES BOX MSBCF1118-12XL MID-ST LID MS	1.0	EA	\$ 48.45	\$ 48.45
9	ST LID MSCBC111 SR DI RDR LID 3/4" PVC	2.0	EA	\$ 56.02	\$ 112.04
10	THO PLUG (50) 450-007	1.0	EA	\$ 0.76	\$ 0.76
11		1.0	EA	\$ -	\$ -
12		1.0	EA	\$ -	\$ -
30			Sub-Total		\$ 528.20
31			Contingency	20%	\$ -
13			Sales Tax	8.60%	\$ 93.20
14			SUB Total - Materials		\$ 621.40
15					

*** Construction Labor ***

Item	Description	Quant./Units	Unit	Unit Cost	Total
16	Backhoe & Operator	0	HRS	\$ -	\$ -
17	Servicemen (2 men x 6.5hrs)	13	HRS	\$ 85.00	\$ 1,083.75
19	Truck	0	HRS		
20					
30			Sub-Total		\$ 1,083.75
31			Contingency	20%	\$ -
32			Sales Tax	8.60%	\$ 93.20
33			SUB Total - Materials		
34			Total		\$1,176.95

Item	Description	Quant./Units	Unit	Unit Cost	Total
29	County Permits (Encroachment)	1	LS	\$ -	\$ -
30	DOH Review Fees	1	LS	\$ -	\$ -
31	Hydrogeologist	1	LS	\$ -	\$ -
32	Geotechnical Engineer	1	LS	\$ -	\$ -
33	Engineering Consultant	1	LS	\$ -	\$ -
34	Land Cost	1	LS	\$ -	\$ -
35	Additional Insurance	1	LS	\$ -	\$ -
36	Bonding	1	LS	\$ -	\$ -
37	Underground Contractor	1	LS	\$ -	\$ -
38	Paveing Contractor - Pavement Restoration	1	SY	\$ -	\$ -
39	Administrative/Clarical	4	HR	\$68.50	\$ 274.00
40					
41			SUB TOTAL		\$ 270.00
42			Contingency	20%	\$ 54.00
43			Sub-Total - Outside Contractor		\$ 324.00
44					

Projected Funds Required = \$2,122.36

Assumptions:

- 1) This document is intended to forecast approximate construction costs based upon current information and similar projects, and is not intended to accurately represent actual design or construction components or prices.
- 2) Totals are rounded to nearest \$100

Tatoosh Water System

Distribution Main Line

Engineer's Opinion of Projected Engineering Costs
9/18/2018

Task	Hours	Employee Classification	Rate	Total
<u>Facility Design</u>				
Project Setup		Engineer	\$ 125.00	\$ -
Develop Base Drawings from Available Contour Info		Engineer	\$ 125.00	\$ -
Design & Draft Watermain Construction Documents		Engineer	\$ 125.00	\$ -
Sub-Total	0		\$	-
<u>Revisions per Peer Review Comments</u>				
P.E. Peer Review		Principle Eng	\$ -	\$ -
Revisions to Construction Documents per Peer Review Comments		Engineer	\$ 125.00	\$ -
Coping & Re-Submittal of Project Report & Construction Documents		Clerical	\$ 75.00	\$ -
Sub-Total	0		\$	-
<u>Construction</u>				
Pre-Construction Conference with Engineering & Contractor		Engineer	\$ 125.00	\$ -
Construction Inspection by Operations		Engineer	\$ 125.00	\$ -
Sub-Total	0		\$	-
<u>Record Documents</u>				
As-Built Drawings & Testing Validations along with Project Certification Document Preparation		Engineer	\$ 125.00	\$ -
P.E. Project Certification		Principle Eng	\$ -	\$ -
Updating Base Maps & Site Piping		Engineer	\$ 125.00	\$ -
Coping, Binding & Submittal of Project Certification to File & Rosario		Clerical	\$ 75.00	\$ -
Sub Total	0		\$	-
Projected Total Hours	0		\$	-
			\$	-

Consolidate Records

Task	Hours	Empolyee Classification
Update System History	0	Engineer
Site Facility Address Update	0	Clerical
Source of Supply Inventory drawing	0	Engineer
Update Connection Summary	0	Clerical
Document Draw Records Consolidation	0	Clerical
Sattin System Customer Migration to Aspinwall	0	Clerical
System's Owned & Managed List Update	0	Clerical
CMP Revisions for consolidated System - Site Selection & rotation	0	Engineer
CMP Revisions for consolidated System - CMP Map Update	0	Engineer
Coliform Monitoring Schedule Updated - WQ	0	Clerical
Chemical Contaminants Monitoring Schedule Update - WQ	0	Clerical
Nitrate Monitoring Schedule Update - WQ	0	Clerical
Lead & Cooper Schedule Update - WQ	0	Clerical
WQ Records Merge	0	Clerical
Wellhead Meter Reading Forms merge	0	Clerical
Wellhead Protection Records Merge	0	Engineer
Sanitary Survey Action Items merge	0	Clerical
Total	0	