Washington Water Service Co.

Engineering Department 6800 Meridian Road SE Olympia, WA 98513

Engineer's Opinion of Probable Project Costs Summary
Attachment "A"

Southwood 1331 208th St Distribution Extension

August 25, 2021 (Projected Cost Good for 30-Days)

Engineering File # 3910

*** Construction Materials ***

Unit of	Description	0	Unit of	Hadi Oaal	T. ()	
Property	•	Quantity	Measure	Unit Cost	Total	
103240	Construction Materials, Pipe, Valves, Fittings, Etc	1	LS	\$ 7,264.71	\$ 7,264.	.71
103450	Construction Materials for Services	1	LS	\$ -	\$ -	-
103480	Construction Materials for Hydrants	1	LS		\$ -	-
					\$ -	-
					\$	-
		Sub-Total			\$ 7,264.	.71
		Contingency		10%	\$ 726.	.47
		Sales Tax		9.00%	\$ 719.	.21
		SUB Total - Materials			\$ 8,710.	.39
		Rounded Up Value			\$8,800).00

*** Construction Labor ***

Unit of			Unit of			
Property	Description	Quantity	Measure		Unit Cost	Total
103240	Construction Labor - Watermain	1	LS	\$	7,860.00	\$ 7,860.00
103450	Construction Labor - Services	1	LS	\$	393.00	\$ 393.00
103480	Construction Labor - Hydrants	1	LS	\$	786.00	\$ 786.00
						\$ -
	WWSC Engineering	1	LS	\$	2,358.00	\$ 2,358.00
						\$ -
						\$ -
						\$ 11,397.00
		Contingency	•		10%	\$ 1,139.70
		Sub-Total - Construction Labor			\$ 12,536.70	
		Rounded Up Value				\$12,600.00

*** Outside Contractor ***

Unit of				Unit of			
Property	Description		Quantity	Measure	Unit Cost		Total
	County Permits (Encroachment)		1	LS	\$ 393.00	\$	393.00
	Tapping Services		1	LS	\$5,879.28	\$	5,879.28
	Hydrogeologist		1	LS		\$	-
	Geotechnical Engineer		1	LS		\$	-
	Engineering Consultant		1	LS		\$	-
	Land Surveyor		1	LS		\$	-
	Land Cost		1	LS		\$	-
	Additional Insurance		1	LS		\$	-
	Bonding		1	LS		\$	-
	Sanitary Facility Rental (Portable Toilet)		1	LS	\$ -	\$	-
	Paving Contractor - Pavement Restoration		1	LS		\$	-
	Traffic Control Contractor - Flaggers		1	LS	\$ -	\$	-
	93					\$	-
						\$	-
						\$	-
						\$	-
			SUB TOTAL			\$	6,272.28
			Contingency	•	10%	\$	627.23
			Sub-Total - Outside Contractor Rounded Up Value			\$	6,899.51
							\$6,900.00
			Project Subto	tal =		\$	28,300.00
			East Pierce Fa		rae		8,256.00
			Federal Tax per the TCJA=			\$ \$	9,717.42
			State B&O Ta			\$	704.67
	Anticiapted Developer (onsite) Costs					•	
	\$ 95,	,904.97	Anticipated TO	CJA Tax =		\$	25,493.73
			Projected I	Funds Re	equired =		\$72,472

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

Southwood

Pierce County

1331 208th St Distribution Extension

Engineer's Opinion of Projected Construction Materials Costs 8/25/2021

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Unit of	OFFSITE - PROVIDED BY WWS Inventory			
Property	Number Task - WATERMAIN	Quantity Units	Unit Cost	Total
	12" MJ GATE VALVE AWWA 12 x 12 TAPPING SLEEVE	2.0 EA 2.0 EA	\$ 1,360.00 \$ 1,100.00	\$ 2,720.00 \$ 2,200.00
	AWWA Gate Valve Assembly locate wire, bedding, blocking, misc	2.0 EA 1.0 LS	\$ 62.79 \$ 500.00	
				\$ -

Sub-Total \$ 5,545.58

Southwood

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8/25/2021

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Southwood

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WWS Construction Crew-Mains WWS Con Rate Sub-Total 1 Man & Vac Truck 8 HRS \$ 1 Man & V \$ 75 600 HRS \$ 1 Man & Boom Truck 75 \$ 1 Man & B 16 HRS 1,200 1 Man & Backhoe - Trench \$ 75 \$ 1 Man & B 1 Man & Backhoe - Comp 16 HRS \$ 75 \$ 1,200 1 Man & B Admin/Prep 8 HRS \$ 75 \$ 600 Admin/Pre 1 Man & Truck \$ **HRS** 75 \$ 1 Man & T \$ 2 Men & Truck 16 HRS 150 \$ 2,400 2 Men & T \$ 1 Electrician & Truck HRS 80 \$ 1 Electricia 2 Electricians & Truck HRS \$ 160 \$ 2 Electricia \$ Total \$ 6,000 Outside Contractor - No Pilot Car \$ 1-Flagger HRS 30 \$ 2-Flaggers HRS \$ 60 \$ Signs \$ DAYS \$105 Other \$ (RCE TRAFFIC CONTROL CUTSHEET) LS Sub-total \$ Sanitary Facility Rental (Portable Toilet) \$ Days 75 \$

Southwood

Pierce County 1331 208th St Distribution Extension

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		Employee			
Task	Hours	Classification	Rate		Total
Facility Design					
Project Setup	1	Engineer	\$ 85.00	Ф	85.00
Route Topo	'	Engineer	\$ 85.00	φ \$	-
Develop Base Drawings from Topo Info		Engineer	\$ 85.00	\$	_
DOH Project Report and Approval		Engineer	\$ 85.00	\$	_
Design & Draft Watermain Construction Documents		Engineer	\$ 85.00	\$	_
Boolgit a Blak Waterman Conditation Boodmonto		Liigii lool	Ψ 00.00	Ψ	
Sub-Total	1			\$	85.00
Revisions per Peer Review Comments					
P.E. Peer Review	1	Principle Eng	\$115.00	\$	115.00
Revisions to Construction Documents per Peer Review Comments		Engineer	\$ 85.00	\$	-
Coping & Re-Submittal of Project Report & Construction Documents		Clerical	\$ 60.00	\$	-
Sub-Total	1			\$	115.00
<u>Construction</u>					
Pre-Construction Conference with Engineering & Contractor	2	Engineer	\$ 85.00	\$	170.00
Construction Inspection & Pressure Test	8	Engineer	\$ 85.00	\$	680.00
Sub-Total	10			\$	850.00
Record Documents					
As-Built Drawings & Testing Validations along with Project Certification Document Preparation	2	Engineer	\$ 85.00	\$	170.00
P.E. Project Certification		Principle Eng	\$115.00	\$	-
Updating Base Maps & Site Piping	4	Engineer	\$ 85.00	\$	340.00
Project Close-Out	4	Clerical	\$ 60.00	\$	240.00
Sub Total	10			\$	750.00
Projected Total Hours	22			\$	1,800.00

Eng. File #3910

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	Last Price
Descr	<mark>Paid</mark>
3" MEGALUG PK/KIT (DI)	0.0000
4" MEGALUG PK/KIT (DI)	35.1500
6" MEGALUG PK/KIT (DI)	43.5300
8" MEGALUG PK/KIT (DI)	55.4000
10" MEGALUG PK/KIT (DI)	80.2000
12" MEGALUG PK/KIT (DI)	101.9100
3" MEGALUG PK/KIT (PVC)	39.3400
4" MEGALUG PK/KIT (PVC)	43.2600
6" MEGALUG PK/KIT (PVC)	54.3500
8" MEGALUG PK/KIT (PVC)	69.0000
10" MEGALUG PK/KIT (PVC)	110.0000
12" MEGALUG PK/KIT (PVC)	121.6200