

Southwood

Pierce County

1331 208th St Distribution Extension

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

Eng. File # 3910

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WWS Construction Crew- Mains

WWS Con

		<u>Rate</u>		<u>Sub-Total</u>	
1 Man & Vac Truck	8 HRS	\$ 75	\$	600	1 Man & V
1 Man & Boom Truck	_____ HRS	\$ 75	\$	-	1 Man & B
1 Man & Backhoe - Trench	16 HRS	\$ 75	\$	1,200	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	_____ LS	\$	-	-	(RCE TRAFFIC CONTROL CUTSHEET)
Sub-total		\$	-		

Sanitary Facility Rental (Portable Toilet)

_____ Days \$ 75 \$ -

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Task	Hours	Employee Classification	Rate	Total
<u>Facility Design</u>				
Project Setup	1	Engineer	\$ 85.00	\$ 85.00
Route Topo		Engineer	\$ 85.00	\$ -
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	\$ -
Sub-Total	<u>1</u>		\$	85.00
<u>Revisions per Peer Review Comments</u>				
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	<u>1</u>		\$	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	<u>10</u>		\$	850.00
<u>Record Documents</u>				
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	<u>10</u>		\$	750.00
Projected Total Hours	22		\$	1,800.00

Descr	Last Price Paid
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