

Point Evans

Pierce County

Narrows Ridge Short Plat

Engineer's Opinion of Projected Construction Materials Costs

8/25/2021

Eng. File # 3915

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WWS Construction Crew- Mains

WWS Con

			<u>Rate</u>	<u>Sub-Total</u>	
1 Man & Vac Truck	_____ HRS		\$ 75	\$ -	1 Man & V
1 Man & Boom Truck	_____ 8 HRS		\$ 75	\$ 600	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	1			\$ 85.00
<u>Revisions per Peer Review Comments</u>				
P.E. Peer Review	4	Principle Eng	\$ 115.00	\$ 460.00
Revisions to Construction Documents per Peer Review Comments		Engineer	\$ 85.00	\$ -
Coping & Re-Submittal of Project Report & Construction Documents		Clerical	\$ 60.00	\$ -
Sub-Total	4			\$ 460.00
<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
<u>Record Documents</u>				
As-Built Drawings & Testing Validations along with Project Certification Document Preparation	4	Engineer	\$ 85.00	\$ 340.00
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	12			\$ 920.00
Projected Total Hours	27			\$ 2,315.00

Descr	Last Price Paid
4" DUCTILE IRON PIPE	21.8494
6" DUCTILE IRON PIPE	17.1144
8" DUCTILE IRON PIPE	18.2200
10" DUCTILE IRON PIPE	32.0794
12" DUCTILE IRON PIPE	40.3833
3/4" INLINE CHK (DUCTILE IRON)	58.0900
1" INLINE CHK VALVE (DUCTILE I	16.7884
2" INLINE CHK VALVE (DUCTILE I	58.7100
3" INLINE CHK VALVE (DUCTILE I	193.1700
4" INLINE CHK VALVE (DUCTILE I	297.7200
6" INLINE CHK VALVE (DUCTILE I	773.4500