



Wolverine Engineers & Surveyors, Inc.

312 North Street • Mason, Michigan 48854 • 517.676.9200 • Fax 517.676.9396

March 09, 2020

Invoice Number: 20200133

Invoice

To: Village of Pinckney
220 S. Howell
Pinckney, MI 48169
Attention: Jill Chapman, Clerk



Project: 15-0052 Pump Station, Force Main and Screening Building - Village of Pinckney, Livingston Co., MI
Manager: Joseph C. White, P.E.

Detail of Charges for: Additional Services

Materials Testing

Professional Services

	Hours	Bill Rate	Charge
2-Man Field Crew	5.25	\$130.00	\$682.50
Geotechnical Engineering - 1	8.00	\$95.00	\$760.00
Professional Engineer	44.00	\$135.00	\$5,940.00
Project Mgr.	44.00	\$120.00	\$5,280.00
Tech. III	91.50	\$80.00	\$7,320.00
			<u>\$19,982.50</u>

Outside Services

Vendor/Expense	Bill Units	Unit Bill Rate	Charge
Professional Service Industries, Inc. Outside Professional Serv	6.00	\$971.6667	\$5,830.00
			<u>\$5,830.00</u>

Reimbursables

Vendor/Expense	Bill Units	Unit Bill Rate	Charge
Mileage - Co. Vehicle	204.00	\$0.5500	\$112.20
			<u>\$112.20</u>

Subtotal of Charges for : Additional Services

\$25,924.70

*** Total Project Invoice Amount

\$25,924.70



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***All Credit Card Payments over \$2,500.00 are subject to a 2% service fee.**

Credit Card Payment Type: ☐ Visa ☐ MC Payment Amt \$

Card #: Card Code #:

Exp. Date:

Cardholder's Signature

Phone#

****Payment Terms: Net 30 Days, with 1.5 % Finance Fee after 30 Days, We reserve the right to stop work on clients with outstanding balances.**



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Billing Documentation

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220 S. Howell
Pinckney, MI 48169

Project: 15-0052 Pump Station, Force Main and Screening Building - Village of Pinckney, Livingston Co., MI

Manager: Joseph C. White, P.E.

Billing Group: 08 Cost Plus Additional Services

Professional Services

	<u>Job Code</u>	<u>Date</u>	<u>Billed Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Daniel J. Wisinski	Soil Borings	9/5/2019	10.00	120.00	\$1,200.00
Daniel J. Wisinski	Soil Borings	9/6/2019	10.00	120.00	\$1,200.00
Joseph C. White, P.E.	Easements	9/25/2019	1.50	135.00	\$202.50
Drafted 501 S Howell easement					
Daniel J. Wisinski	Writing/Editing	9/26/2019	4.00	120.00	\$480.00
Daniel J. Wisinski	Writing/Editing	9/27/2019	4.00	120.00	\$480.00
Joseph C. White, P.E.	Easements	10/3/2019	1.00	135.00	\$135.00
Worked on slotnick easement (501 S Howell)					
Paul T. Singles	Process Data	10/14/2019	6.00	80.00	\$480.00
soil borings and dewatering wells, compare and draw in autocad					
Paul T. Singles	Drafting	10/15/2019	5.00	80.00	\$400.00
continune drawing soil borings in cad (Profile view) for comparing					
Paul T. Singles	Drafting	10/16/2019	3.50	80.00	\$280.00
bring in points for dewatering well and soil borings don by McDowell to determine locations and elevations for comparison					
Paul T. Singles	Drafting	10/17/2019	4.00	80.00	\$320.00
scaling and notes to finish profile view of borings and dewatering well profile					
Joseph C. White, P.E.	Administration	10/18/2019	1.00	135.00	\$135.00
Reviewed soil boring logs					
Joseph C. White, P.E.	Design-Office	10/21/2019	2.00	135.00	\$270.00
Looked into redesign options for wetwell					
Daniel J. Wisinski	Administration	10/24/2019	8.00	120.00	\$960.00
Joseph C. White, P.E.	Meeting-Field/Office	10/24/2019	4.00	135.00	\$540.00
Prepared for and attended dewatering meeting with village president, staff and attorney					
Daniel J. Wisinski	Meeting-Field/Office	10/28/2019	4.00	120.00	\$480.00
Daniel J. Wisinski	Meeting-Field/Office	10/29/2019	4.00	120.00	\$480.00
Daniel J. Wisinski	Meeting-Field/Office	11/11/2019	4.00	95.00	\$380.00
Daniel J. Wisinski	Meeting-Field/Office	11/14/2019	4.00	95.00	\$380.00
Joseph C. White, P.E.	Meeting-Field/Office	11/18/2019	7.00	135.00	\$945.00
Met with Reliance and then attended Council meeting					
Paul T. Singles	Drafting	11/19/2019	7.00	80.00	\$560.00
drafting of possible wetwell/pump station layout, eliminating suction casings					



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Professional Services

	<u>Job Code</u>	<u>Date</u>	<u>Billed Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Joseph C. White, P.E.	Drafting Revisions	11/19/2019	2.00	135.00	\$270.00
Worked on pump station redesign concepts					
Paul T. Singles	Drafting	11/20/2019	8.00	80.00	\$640.00
drafting of possible wetwell/pump station layout, eliminating suction casings					
Paul T. Singles	Drafting	11/21/2019	5.50	80.00	\$440.00
pump station redesign, piping arrangement					
Paul T. Singles	Drafting	11/22/2019	7.50	80.00	\$600.00
process data using field data of trenchbox current location and elevation points, data from Matt C. and Mat L. included photos, gps shots and hand drawn sketches.					
Joseph C. White, P.E.	Meeting-Field/Office	11/22/2019	3.00	135.00	\$405.00
Prepared for and met with Reliance					
Paul T. Singles	Meeting-Field/Office	11/22/2019	2.00	80.00	\$160.00
pump station redesign, piping arrangement, met with Lynn N. and Dan C. (reliance), concerning plan for dewatering/installing pump station wetwell. Went over wetwell reconfigure, piping reconfigure and possible dewatering methods necessary for installation. Also went over possible re-route of gravity piping to minimize bypass pumping					
Mathew Lothamer	Travel-Job Related	11/22/2019	1.50	130.00	\$195.00
65 miles - van #114					
Matthew Chamberlain	Travel-Job Related	11/22/2019	0.75	130.00	\$97.50
37 miles, truck 109					
Paul T. Singles	Process Data	11/25/2019	5.00	80.00	\$400.00
download point data from pump station site topo of trench box and excavated shelf,					
Paul T. Singles	Process Data	11/26/2019	3.00	80.00	\$240.00
download, edit and import new topo point data for pump station site for meeting with Reliance concerning existing ground, ground water, and trench box elevations					
Joseph C. White, P.E.	Meeting-Field/Office	12/4/2019	3.00	135.00	\$405.00
Meeting with Village and Reliance to discuss pump station options					
Paul T. Singles	Meeting-Field/Office	12/4/2019	1.50	80.00	\$120.00
with Joe onsite for project status and measurements, meeting at Village Offices to go over plan at pump station site, pay app discussion					
Paul T. Singles	Travel-Job Related	12/4/2019	1.50	80.00	\$120.00
truck 105, 75 miles, also stop at Mann St project to grab measurements of drive approaches					
Paul T. Singles	Drafting	12/7/2019	3.00	80.00	\$240.00
drawing and email of tie-in plan at screening building site, due to delays at pump station site					
Paul T. Singles	Drafting	12/9/2019	3.00	80.00	\$240.00
drawing and email of tie-in plan at screening building site, due to delays at pump station site					
Joseph C. White, P.E.	Administration	12/10/2019	1.00	135.00	\$135.00
Joseph C. White, P.E.	Meeting-Field/Office	12/18/2019	3.00	135.00	\$405.00
Meeting with Reliance and Village					
Paul T. Singles	Drafting	1/6/2020	8.50	80.00	\$680.00
re-design of wetwell and piping PS-1					
Paul T. Singles	Drafting	1/8/2020	5.00	80.00	\$400.00
redraw wet well and piping, section cuts, modify sections					
Paul T. Singles	Drafting	1/9/2020	6.00	80.00	\$480.00
working in pump station piping sheet with updated section cuts, redrawing vent/drain piping and changing notes					
Paul T. Singles	Drafting	1/10/2020	4.50	80.00	\$360.00
final changes prior to meeting with Joe, Mike H. and Brent Bodnar Downtown Lansing, Mike Hughes and I rode with Joe to meeting					
Joseph C. White, P.E.	Meeting-Field/Office	1/10/2020	5.00	135.00	\$675.00
Meeting with Brent Bodnar then brainstorming session with Village					
James P. Turner	Meeting-Field/Office	1/10/2020	2.00	80.00	\$160.00



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meet with mike and joe					
Joseph C. White, P.E.	Meeting-Field/Office	1/13/2020	4.00	135.00	\$540.00
Meeting to discuss dewatering efforts and current excavation elevation					
Matthew Chamberlain	Survey-Field Measure	1/13/2020	1.75	130.00	\$227.50
topo inside trench box, w/ jim					
Matthew Chamberlain	Travel-Job Related	1/13/2020	1.25	130.00	\$162.50
64 miles, van 111, w/ jim					
Joseph C. White, P.E.	Design-Office	1/15/2020	2.50	135.00	\$337.50
Worked on redesign of pump station and then sent email to Joe Moore requesting review of proposed wetwell elevations.					
Joseph C. White, P.E.	Design-Office	1/17/2020	2.00	135.00	\$270.00
Pump station redesign					
Joseph C. White, P.E.	Administration	1/20/2020	2.00	135.00	\$270.00
Prepared for sewer committee and council meetings					

Total Professional Services

192.75

\$19,982.50

Outside Services

	<u>Date</u>	<u>Units</u>	<u>Unit Cost</u>	<u>Unit Markup</u>	<u>Multiplier</u>	<u>Unit Rate</u>	<u>Charge</u>
Outside Professional Services	7/5/2019	1.00	2,225.00	0.00	1.1000	2,447.50	\$2,447.50
Outside Professional Services	8/6/2019	1.00	450.00	0.00	1.1000	495.00	\$495.00
Outside Professional Services	9/5/2019	1.00	925.00	0.00	1.1000	1,017.50	\$1,017.50
Outside Professional Services	10/7/2019	1.00	725.00	0.00	1.1000	797.50	\$797.50
Outside Professional Services	11/7/2019	1.00	875.00	0.00	1.1000	962.50	\$962.50
Outside Professional Services	12/5/2019	1.00	100.00	0.00	1.1000	110.00	\$110.00

Total Outside Services

\$5,830.00

Reimbursables

	<u>Date</u>	<u>Units</u>	<u>Unit Cost</u>	<u>Unit Markup</u>	<u>Multiplier</u>	<u>Unit Rate</u>	<u>Charge</u>
Mileage - Co. Vehicle	11/22/2019	65.00	0.00	0.55	1.0000	0.55	\$35.75
Mileage - Co. Vehicle	12/4/2019	75.00	0.00	0.55	1.0000	0.55	\$41.25
Mileage - Co. Vehicle	1/13/2020	64.00	0.00	0.55	1.0000	0.55	\$35.20

Total Reimbursables

\$112.20