

Water Department

61 North Green Street
Brownsburg, IN 46112

Quarterly Report

November 1, 2011 through February 1, 2012

Respectfully Submitted February 23, 2012 by:
Mike Good Water Superintendent

Summary: The department has many projects in the works for 2012. The biggest project will be the building of the new water treatment plant in the park. The other projects are the Murphy Meadows project which has new water main and a hydrant being installed with the other improvements with that project. Another project is the West Tilden project which has new water main and hydrants being installed with that project. The other project is the new meter reading project being evaluated by Johnson Controls. This project is still in the works at this time.

The department has been able to read all meters without any being estimated due to weather so far this winter.

Main Breaks: The department has had 4 main breaks in this quarter. Reports attached for reference.

Hydrant Repairs: The department has had 1 hydrant repair. Report attached for reference.

Well Flow Test: Ortman Drilling from Kokomo was here in mid- January and performed the annual flow testing of all of the wells. This test is

done on a yearly bases to check the production of the wells .If any have lost production then those wells will be shut down and service. The test results were received February 8th and wells 3 and 7 will to be service within the next 30 days scheduling permitting. Well #8 will be service in the fall. Each well will be down approximately 3 weeks when the service is preformed. With each well being service water service to the town will not be interrupted

Well Test Drilling: Ortman Drilling will be out to test drill on the water plant property on County Road 700N when weather permits. This will determine if there is a new water source for the town. Test drilling is schedule for the week of February 13th.

Certification Test: Aaron Kaytar passed his state certification test for his DSL Water Certification in December 2011. This certification is for the distribution system for the town. Aaron's next certification that he will be applying for will be his WT3. This certification is for the water treatment plants.

MAIN BREAK AND/OR HYDRANT REPAIR COST SHEET

DATE: 1/21/12

Labor Description	# of Employees	Hours	Hourly Rate	Total Labor Amount	
WATER MAIN BREAK AT S GRANT AND E TILDEN DR	4	5.5	\$23.56	\$518.32	\$518.32
				\$0.00	
				\$0.00	
				\$0.00	
				\$0.00	
				\$0.00	

Vehicle & Equipment on Site	Hours	Hourly Rate per Piece	Total Vehicle & Equipment Amount	
MAIN BREAK TRUCK #55	5.5	\$30.00	\$165.00	\$455.13
SMALL DUMP TRUCK	5.5	\$14.00	\$77.00	
BACKOE	5.5	\$38.75	\$213.13	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	

Fuel Surcharge	Surcharge Amount	
	\$0.00	\$0.00

Materials Used	# units	Unit Cost	Total Materials Amount	
FLOWABLE FILL	4.25	\$60.86	\$258.66	\$648.70
6 INCH STAINLESS REPAIR CLAMP	1	\$164.27	\$164.27	
CONCRETE	1	\$100.00	\$100.00	
TRIP CHARGE	1	\$125.77	\$125.77	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	

TOTAL INVOICE AMOUNT \$1,622.14

Town of Brownsburg Water Department

61 N. Green Street, Brownsburg, IN 46112

Comments

MAIN BREAK AND/OR HYDRANT REPAIR COST SHEET

DATE: 11/26/11

Labor Description	# of Employees	Hours	Hourly Rate	Total Labor Amount	\$471.20
WATER MAIN BREAK AT 520 S GRANT ST.	4	5	\$23.56	\$471.20	
				\$0.00	
				\$0.00	
				\$0.00	
				\$0.00	
				\$0.00	

Vehicle & Equipment on Site	Hours	Hourly Rate per Piece	Total Vehicle & Equipment Amount	\$997.75
MAIN BREAK TRUCK #55	5	\$30.00	\$150.00	
SMALL DUMP TRUCK	1	\$14.00	\$14.00	
BACKOE	5	\$38.75	\$193.75	
VAC TRUCK	4	\$160.00	\$640.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	

Fuel Surcharge	Surcharge Amount	\$0.00
	\$0.00	

Materials Used	# units	Unit Cost	Total Materials Amount	\$692.77
FLOWABLE FILL	7.25	\$56.00	\$406.00	
6 INCH STAINLESS REPAIR CLAMP	1	\$164.27	\$164.27	
CONCRETE	1.25	\$98.00	\$122.50	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	

TOTAL INVOICE AMOUNT	\$2,161.72
Town of Brownsburg Water Department	
61 N. Green Street, Brownsburg, IN 46112	

Comments

MAIN BREAK AND/OR HYDRANT REPAIR COST SHEET

DATE: 12/21/11

Labor Description	# of Employees	Hours	Hourly Rate	Total Labor Amount	
WATER MAIN BREAK AT 923 BRIARWOOD DR	6	5	\$23.56	\$706.80	\$706.80
				\$0.00	
				\$0.00	
				\$0.00	
				\$0.00	
				\$0.00	

Vehicle & Equipment on Site	Hours	Hourly Rate per Piece	Total Vehicle & Equipment Amount	
MAIN BREAK TRUCK #55	5	\$30.00	\$150.00	\$842.75
VAC TRUCK	4	\$160.00	\$640.00	
BACKOE	1	\$38.75	\$38.75	
SMALL DUMP TRUCK	1	\$14.00	\$14.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	

Fuel Surcharge	Surcharge Amount	
	\$0.00	\$0.00

Materials Used	# units	Unit Cost	Total Materials Amount	
3 SCOOPS #8 STONE	3	\$12.00	\$36.00	\$200.27
6 INCH STAINLESS REPAIR CLAMP	1	\$164.27	\$164.27	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	

TOTAL INVOICE AMOUNT \$1,749.82

Town of Brownsburg Water Department

61 N. Green Street, Brownsburg, IN 46112

Comments

MAIN BREAK AND/OR HYDRANT REPAIR COST SHEET

DATE: 12/14/11

Labor Description	# of Employees	Hours	Hourly Rate	Total Labor Amount	
WATER MAIN BREAK AT DOVER RD AND WESTON ST.	5	5	\$23.56	\$589.00	\$589.00
				\$0.00	
				\$0.00	
				\$0.00	
				\$0.00	
				\$0.00	

Vehicle & Equipment on Site	Hours	Hourly Rate per Piece	Total Vehicle & Equipment Amount	
MAIN BREAK TRUCK #55	5	\$30.00	\$150.00	\$851.75
SMALL DUMP TRUCK	2	\$14.00	\$28.00	
BACKOE	5	\$38.75	\$193.75	
VAC TRUCK	3	\$160.00	\$480.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	

Fuel Surcharge	Surcharge Amount	
	\$0.00	\$0.00

Materials Used	# units	Unit Cost	Total Materials Amount	
FLOWABLE FILL	7	\$56.00	\$392.00	\$654.27
6 INCH STAINLESS REPAIR CLAMP	1	\$164.27	\$164.27	
CONCRETE	1	\$98.00	\$98.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	

TOTAL INVOICE AMOUNT \$2,095.02

Town of Brownsburg Water Department

61 N. Green Street, Brownsburg, IN 46112

Comments

MAIN BREAK AND/OR HYDRANT REPAIR COST SHEET

DATE: 1/23/12

Labor Description	# of Employees	Hours	Hourly Rate	Total Labor Amount	\$54.98
REPAIR FIRE HYDRANT AT NORTHFIELD / PENNWOOD DR	2	1	\$15.71	\$31.42	
ONE HOUR OVERTIME FOR GARY GOLAY 1/22/12	1	1	\$23.56	\$23.56	
				\$0.00	
				\$0.00	
				\$0.00	
				\$0.00	

Vehicle & Equipment on Site	Hours	Hourly Rate per Piece	Total Vehicle & Equipment Amount	\$30.00
MAIN BREAK TRUCK #55	1	\$30.00	\$30.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	

Fuel Surcharge	Surcharge Amount	\$0.00
	\$0.00	

Materials Used	# units	Unit Cost	Total Materials Amount	\$178.45
SAFETY REPAIR FLANGE	1	\$178.45	\$178.45	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	

TOTAL INVOICE AMOUNT \$263.43

Town of Brownsburg Water Department

61 N. Green Street, Brownsburg, IN 46112

Comments
THIS HYDRANT WAS A HIT AND RUN. NO INFORMATION ON THE DRIVER OR CAR..THE HOUR OVERTIME WAS THE NIGHT BEFORE THE REPAIR TO PUT A BARCADE ON IT. TO MAKE SURE IT WAS NOT LEAKING.



January 19, 2012

Mr. Mike Good
 Brownsburg Utilities
 61 N Green Street
 Brownsburg, IN 46112
 317) 858-4149 fax 317.858.4158

Quote ASA1211

Re: Test drilling at plant # 2

Mr. Good,

Thank you for meeting with Phil Bonneau one of our Licensed Professional Geologist and myself Tuesday to discuss suitable drilling sites at plant # 2. As you know we have placed three (3) stakes running north-south just on the north side of the fence. Phil felt that given the evidence of the available formation meandering throughout the well field that this would be the best approach to encounter it during the testing process.

With that being the case, Ortman Drilling & Water Services is pleased to offer the following proposal for your consideration.

We will provide all necessary equipment and personnel to complete the following scope:

- Mobilize to the site, set up and drill to bedrock (estimated to be 250'), sample any encountered formation for sieve analysis and screen selection. If there is formation present, the hole will be backfilled with washed pea fill, if no formation is encountered the hole will be grouted per IDNR requirements. All three holes will be drilled to determine the best available formation for this additional well.
- Provide a detailed written report along with sieve analysis and screen slot size recommendation and placement.

Pricing for above scope:

Mobilization	\$1,250.00
Test drilling per foot (estimated 750')	\$14.50
Backfill with washed pea fill per foot	\$3.00
Grouting per IDNR requirements	\$4.75



RTMAN

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Ortman Drilling &
Water Services

February 7, 2012

Mike Good
Brownsburg Utilities
61 N Green Street
Brownsburg, IN 46112-1296
317)858-4149 fax 317.858.4158

Re: Annual well testing report

Mr. Good,

Enclosed you will find your copies of the reports generated by the recent pumping tests completed on your water supply wells.

The reports can be summarized as follows:

Well # 1A: This well currently has a Specific Capacity of 10.72 Gallons per Foot while producing 453 Gallons per Minute. The pump is generating 149.59' Total Dynamic Head at that pumping rate. Following the chemical rehabilitation in April 2011 the well was producing 11.33 GPF at 429 GPM; however, the Static Water Level was 6' lower during that test. We have no further recommendations for this well or pump at this time.

Well # 2A: This well currently has a SC of 12.34 GPF while producing 437 GPM. The pump is generating 143.34' TDH at this rate. The well has dropped slightly in its capacity in production and the pump is showing very little signs of wear. No further maintenance recommended at this time.

Well # 3: Currently the well is showing a SC of 12.42 GPF while producing 385 GPM. At that pumping rate the pump is generating 95' TDH. When compared to the test conducted immediately following the chemical rehabilitation and pump replacement in April 2010 the well appears to be holding steady; however, last year the pumping unit would actually move 459 GPM at 111.67' TDH. As you can see in the report, the pump can only produce 385 GPM at 95' TDH in its current state. This will result in longer run times and higher power consumption! We recommend this pumping unit be removed and repaired prior to the heavy pumping season.

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Well # 5A: This well currently provides a SC of 6.64 GPF while producing 326 GPM. The pump is generating 179.71' TDH at this rate. When compared to the test conducted in January 2011 it appears the well and pumping unit have dropped slightly in production. This is not surprising given that this is one of your main wells for this plant and sees the most run time. We recommend this well be watched over the next year to insure that it maintains this level of production.

Well # 6: Currently this well has a SC of 2.38 GPF while producing 192 GPM. The pump is generating 318.91' TDH at the above rate. This well and pump continue to drop slightly in their respective productions. As you are aware this well has produced great amounts of sand every time it has been rehabilitated, which means there is a void under the building surrounding the well. Since we have attempted to relocate this well within the available perimeter surrounding it with no success, we would recommend that you continue to use this well as needed without doing any additional maintenance. It should be watched over the next year to see if the pump drops to the point of necessary repairs.

Well # 7A: This well went on line in May 2010, while at the time it had both a SWL of 79.33' and a SC of 12.47 GPF, while producing 400 GPM. The pumping unit was generating 162.9' TDH at the rate of 400 GPM. Currently the well has SWL of 60' and a SC of 9.12 GPF while producing 332 GPM and the pumping unit is generating 161.08' TDH. This well shows a drop in capacity; however it could be directly related to the rise in the SWL given the recent rains. The pump is showing a decrease in capacity of 19%, as last year it would move 354 GPM at 56 PSI and currently it is only able to pump 285 GPM at the same pressure. We would recommend that this pumping unit be removed from the well and repaired prior to the heavy pumping season.

Well # 8: This well currently has a SC of 5.57 GPF while producing 225 GPM. The pumping unit is providing 192.82' TDH at the above rate. This well and pump have lost some of their capacities over the last three years since this well went on line in January 2009. The drops are not significant at this time and what we're seeing in the pumping unit would be considered normal wear or slight plugging of the impeller vanes from the iron present in the water. We recommend that this pump be slated for repairs as your budget allows.

To recap the above:

Well # 1A shows no need for further maintenance at this time.

Well # 2A is in good condition and requires no further maintenance at this time.

Well # 3 is holding steady; however the pumping unit shows a substantial drop in its capacity to move water. We recommend that this pumping unit be repaired prior to the heavy pumping season.

Well # 5A shows very little loss in capacity as it was also rehabilitated in 2010. it should be monitored over the next year to insure it keeps this level of production.

Well # 6 has dropped in capacity and the pumping unit shows signs of wear in the form of a drop in its performance. Given the history of this well and the amount of materials (fine sand) that have been produced during rehabilitation, would recommend the continued use of this well as needed.

Well # 7A continues to hold steady; however the pumping unit is showing a loss in its ability to provide water to the system and should be repaired prior to the high demand season.

Well # 8 is showing a slight loss in capacity, nothing to be alarmed about. The pumping unit is showing signs of wear and/or plugging and should be slated for repairs as your budget allows. These repairs are not as urgent as wells 3 & 7A. but should take place this year.

Overall your system is in good condition and once the recommended repairs are made it should perform as expected through the upcoming year. It is extremely important to keep watch on these assets as you are well aware. groundwater is not overly abundant in your general vicinity.

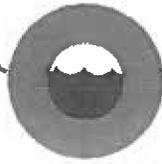
We appreciate this opportunity to provide our services to the town of Brownsburg. If you have any questions regarding this report, please contact us at you convenience.

Respectfully,



Tony Alley
Territory Manager
Ortman Drilling & Water Services
317) 402-7942

www.ortman.com



RTMAN
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February 9, 2012

Mike Good
 Brownsburg Utilities
 61 N Green Street
 Brownsburg, IN 46112-1296
 317)858-4149 fax 317.858.4158

ASA1215

Re: Pump repairs wells 3 & 7A

Mr. Good,

Ortman Drilling & Water Services is pleased to offer the following proposal for your consideration.

We will provide all necessary equipment and personnel to complete the following scope:

- Mobilize to the site, take one well off line and pull pumping unit. Transport to our facility to be cleaned, disassembled and inspected.
- We will provide a detailed written report outlining our findings, any recommended repairs and their associated costs. *No repairs will be made without prior approval!*
- Return to the site, install the repaired pumping unit, conduct and overboard pumping test to document results of rebuild and obtain one (1) bactee sample to send to our lab. Brownsburg Utilities will be responsible to obtaining additional samples until two consecutive samples pass.
- We will move to the second well and repeat the above process.

Pricing for above scope

\$4,875.00 per well

Estimated pump repairs based on normal wear:

Well # 7A: Goulds 7CLC-3 stage bowl assembly

\$2,384.75

Well # 3: Goulds 7CLC- 4 stage bowl assembly

\$2,718.88

Note: Normal wear would include bowl bushings, discharge and suction bearings, machining the bowls and impeller skirts and wear rings.

We appreciate this opportunity to provide our services to Brownsburg Utilities and look forward to working with you.

Please contact us at your convenience with any questions you may have regarding this proposal.

Respectfully,



Tony Alley
Territory Manager
Ortman Drilling & Water Services
317) 402-7942
talley@ortmandrilling.com

TERMS

All pricing is based upon acceptance within 30 days of the date of this proposal and may be modified if not accepted within 30 days. Quoted prices do not include Indiana Sales Tax on materials, which will be itemized separately from Labor and Service when the work is billed. Terms are net, not subject to discount, and invoices are to be paid in full, without retainage, within 30 days of presentation. All invoices not paid within 30 days will be subject to 2% per month service and handling fees plus any court and/or attorney fees required for collection.

ACCEPTANCE

The work as described and the stated price(s) are satisfactory and payment will be made according to the terms. This quotation/proposal is hereby accepted and the work is authorized.

Sign Michael J Good

Position Superint

Print MICHAEL J GOOD

Date 2/10/12