

BEMIDJI CITY COUNCIL

Work Session Agenda

Monday, October 29, 2018

**City Hall
Conference Room
5:30 P.M.**



1. CALL TO ORDER / ROLL CALL

2. REVIEW OF ALTERNATE WELL SITING STUDY

3. CARNEGIE UPDATE/CHANGE ORDER

4. ADJOURNMENT

NOTE: Please switch all cellphones and pagers to a non-audible function during Council and Committee meetings.

COUNCIL AGENDA ITEM



Meeting Date: October 29, 2018 Work Session

Action Requested: Review of Alternate Well Siting Study

Prepared By: Craig J. Gray, PE
DPW/City Engineer 

Reviewed By: Nate Mathews, City Manager 

Background:

The city has been working since early 2017 on the issue of low levels of PFCs in some of the city's five water supply wells that are located out on the airport property. All of the city's wells are being sampled quarterly by the MDH. The most recent sampling was completed in August, 2018 with test results made available to us on October 1, 2018.

Based on previous sampling (May, 2018) we were pumping and blending water from wells 5, 6 and 7 to provide a finished water supply that met all state standards (wells 3 and 4 had the highest PFC levels and they were shut down in 2016). The recent 10/1/18 test results showed us that we had to shut off well 7 in order to continue to meet the state standards, which we did on October 1. So, currently only two of the city's five wells are being used to provide the city's water supply – wells 5 and 6.

In February, 2018 Barr Engineering made a presentation to the city council on the options available to address the occurrence of PFCs in our water supply. At the conclusion of that meeting the city council approved a professional services agreement with Barr to assist the city with this on-going project. On June 18, 2018 Barr Engineering and myself updated the city council on the PFC issue/project and noted that we were working on parallel investigations of four options to address this issue:

1. Temporary/emergency treatment of the water supply for PFCs.
2. Pilot/Bench testing of permanent PFC treatment options.
3. Investigation of a new well and test drilling north of the airport.
4. Evaluation of existing high capacity wells and BHS and BMS.

Because we are down to pumping water from two wells it is imperative that we begin the process of developing a new well (Options 3 & 4). Barr Engineering has completed the work on Options 3 & 4 and has prepared an Alternate Well Siting Report for the city. Brian LeMon, Barr Eng., will present the results and recommendations from that report to the city council on Monday evening. A copy of the full report will be available on Monday evening.

Discussion

The well study focused on two options. The first being the acquisition and utilization of one of the existing high capacity school district wells and the second being the drilling of a new well north of the existing wells at the airport.

Over the past five months Barr has evaluated these options and we have completed the test drilling at two sites north of the airport. There are pros and cons to each option and Brian will discuss those at the meeting. The end result of the study is that Barr is recommending that a new well be drilled north of the airport.

Figure 1 shows the existing city wells (Wells 3-7) along with the three potential locations for a new well. We were not able to get timely FAA approval to do test drilling at Site #3, but the sites further away from the existing wells were favored anyway. The laboratory analysis of the water from Sites 1 and 2 did not detect any PFCs. Based on the test drilling and geological analysis Barr is recommending that Site #1 be the location for the new well. Figure 2 shows the estimated 20-year water capture zone from a new well at Site 1.

The estimated cost to develop a new well north of the airport is \$637,000 (Table 5) however, the cost to install water main to connect the new well to the city's existing water plant is an additional \$1,513,000 (Table 6). **Total project cost for a fully operational new well is the total of those two which is \$2,150,000.** As a comparison the cost to develop and connect a well from the BMS site is \$4,655,000.

Future

The development of a new well is just the first step in our water system analysis and process. As explained, below it is likely that the city may need to construct a manganese and iron treatment plant in the very near future (estimated cost \$8.0 M). Barr Engineering is wrapping up work on the treatment plant study within the next couple of months and we will have another work session with the city council in January regarding this issue. The need for a manganese and iron treatment plant appears to be three-fold.

1. The Minnesota Dept. of Health has recently established a Health Based Guidance Value (HBV) for manganese of 0.1mg/L for formula-fed infants and infants that drink tap water. The city's existing water supply from wells 5 and 6 was recently tested by MDH and detected levels of manganese at 0.2 mg/L. The current EPA Health Advisory for manganese is 0.3 mg/L.
2. Manganese and iron are typically considered aesthetic issues within a community's water supply (rust and discoloration). The city currently treats for manganese and iron by sequestering/suspending them. This process does not remove the iron and manganese, but rather prevents them from settling onto or within plumbing fixtures. Sequestering only works for low levels of iron and manganese and even if we weren't drilling a new well it might be time to look at an iron/manganese treatment plant as our water system expands.
3. Our pilot studies that are currently underway for PFC treatment options clearly show that any effective treatment for PFCs requires that we must first treat and remove the iron and manganese because otherwise they clog up the treatment media.

A copy of the letter from MDH that discusses the new manganese requirements is also attached.

Recommendation

It is recommended that the city council approve the proposal for professional services from Barr Engineering for the design, development and construction of a new city well at location number 1 as shown on Figure 1.

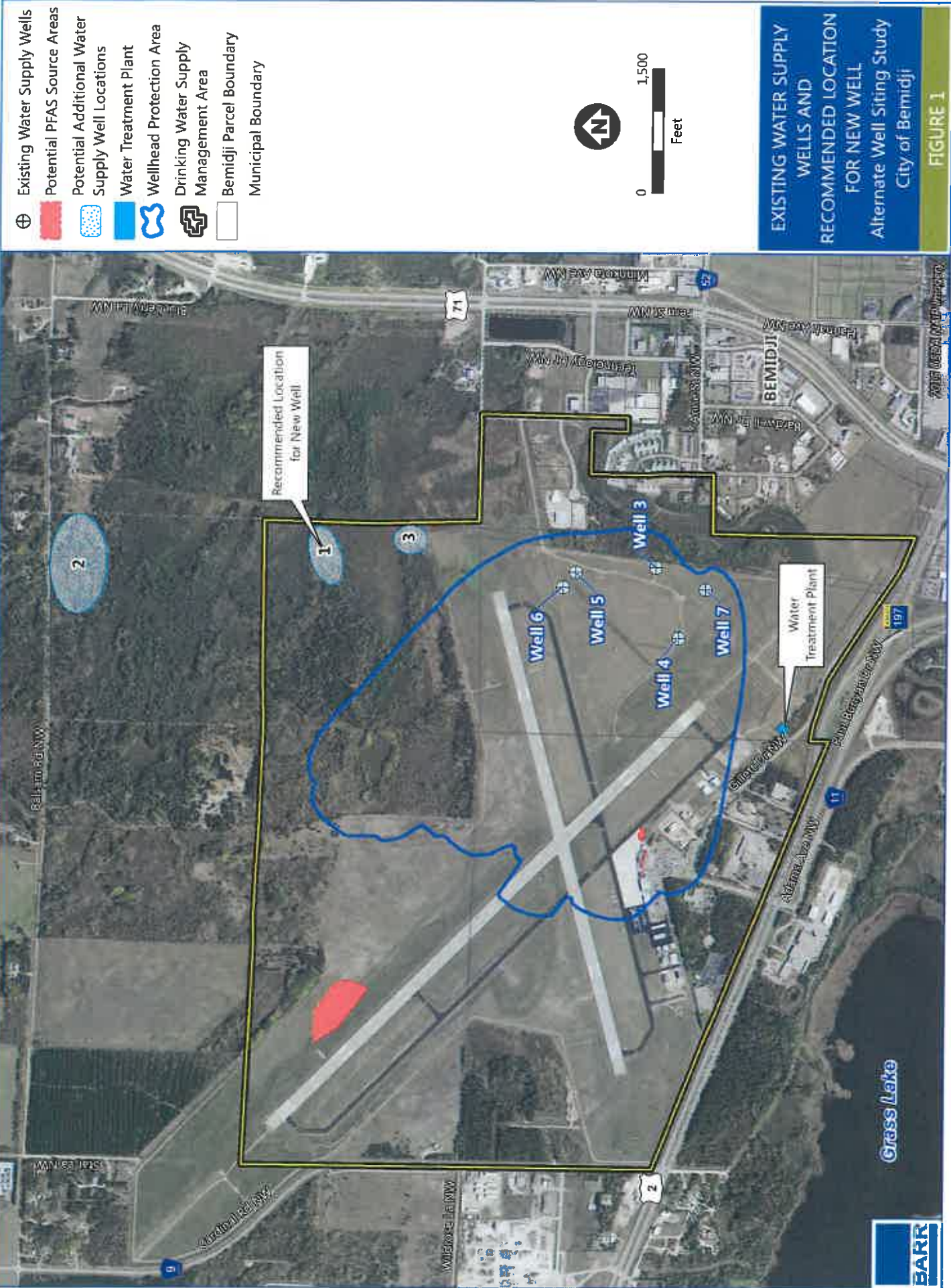
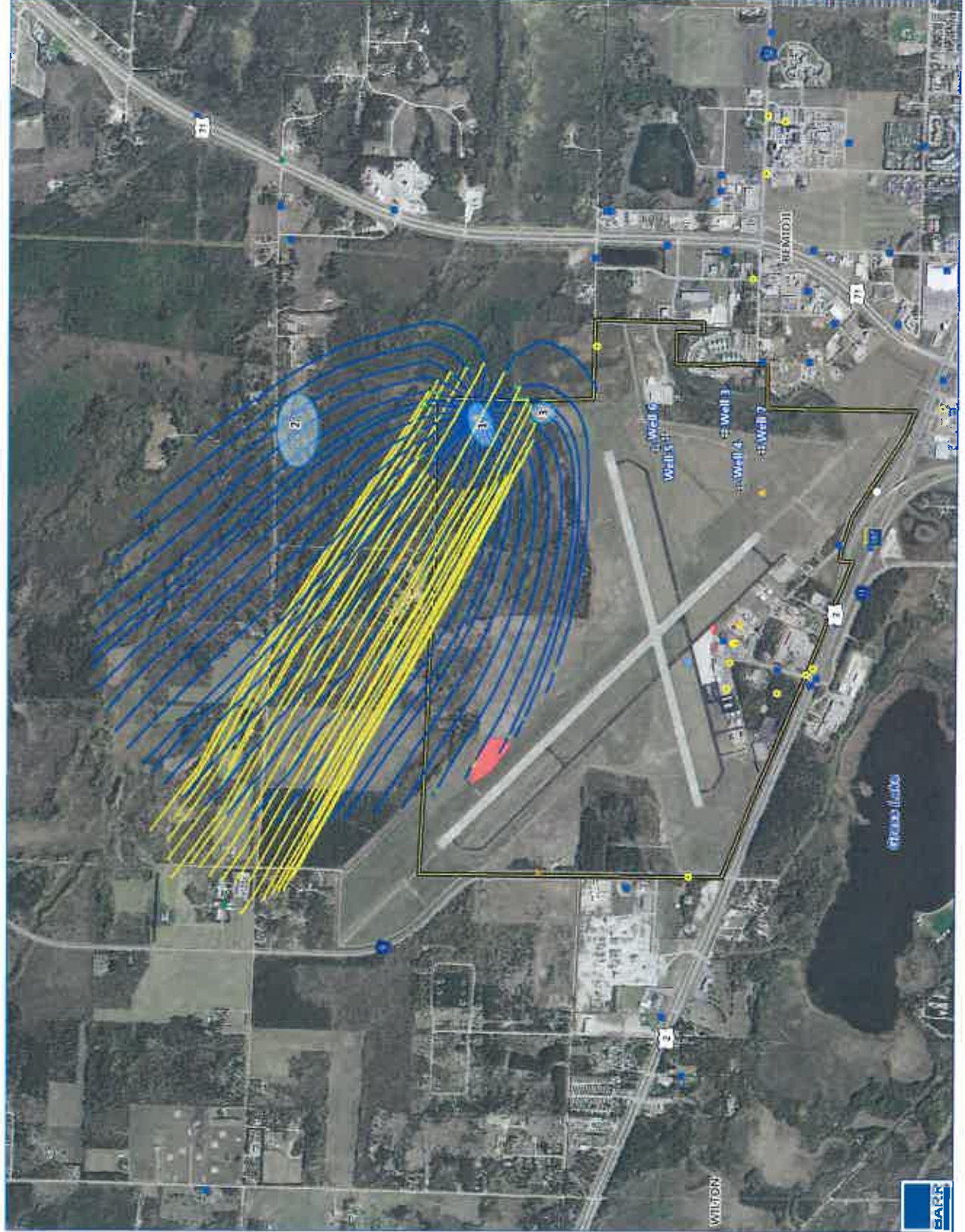



FIGURE 1




MODELED CAPTURE ZONE FOR WELL AT BORING LOCATION 1
 Alternative Well Siting Study
 City of Seymour
FIGURE 2

Large Table 5 Cost Estimate for New Airport Well

PREPARED BY: BARR ENGINEERING CO. 		SHEET: 1 OF 1				
PRELIMINARY FEASIBILITY STUDY ENGINEER'S OPINION OF PROBABLE PROJECT COST		BY: KMB/RRM		DATE: 10/25/2018		
PROJECT: City of Bemidji Alternate Well Siting Study		CHECKED BY: BKL		DATE: 10/25/2018		
LOCATION: City of Bemidji, MN		APPROVED BY: JSU		DATE: 10/25/2018		
PROJECT #: 23/04-1017.00-ARPT-101		ISSUED:		DATE:		
OPINION OF COST - SUMMARY		ISSUED:		DATE:		
ISSUED:		DATE:		DATE:		
ISSUED:		DATE:		DATE:		
ISSUED:		DATE:		DATE:		
Engineer's Opinion of Probable Project Cost - Alternate Well New Well North of the Airport Well Field at SB-01 City of Bemidji						
Cat. No.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	ITEM COST	NOTES
A	Mobilization/Demobilization	LS	1	\$60,400	\$60,400	1,2,3,4
B	Drill, Sample, & Abandon Pilot Hole	LF	150	\$75	\$11,250	1,2,3,4
C	Set Up/Take Down on Well	EA	1	\$500	\$500	1,2,3,4
D	Drill and Drive 18-inch Diameter Casing	LF	120	\$100	\$12,000	1,2,3,4
E	F & I 18-inch Diameter Casing	LF	120	\$90	\$10,800	1,2,3,4
F	Screen to Casing Connection	EA	1	\$900	\$900	1,2,3,4
G	F & I 18-inch Diameter Pipe Size Well Screen	LF	20	\$250	\$5,000	1,2,3,4
H	F & I Filter Pack	CF	35	\$55	\$1,925	1,2,3,4
I	F & I Neat Cement Grout	CF	195	\$30	\$5,850	1,2,3,4
J	Plumbness & Alignment Test	LS	1	\$550	\$550	1,2,3,4
K	Well Development	LS	1	\$16,000	\$16,000	1,2,3,4,5
L	Test Pumping	LS	1	\$15,000	\$15,000	1,2,3,4,6
M	Televisa Well	EA	1	\$1,300	\$1,300	1,2,3,4
N	Well Disinfection and Sampling	EA	1	\$3,800	\$3,800	1,2,3,4
O	F & I 10-inch Diameter Discharge Column and Two 1-inch Probe Pipes	LF	90	\$100	\$9,000	1,2,3,4
P	F & I Submersible Pump and Motor (100 Hp)	EA	1	\$38,000	\$38,000	1,2,3,4
Q	F & I Pitless Adapter	EA	1	\$19,800	\$19,800	1,2,3,4
R	F & I Concrete Slab and Well Enclosure	EA	1	\$4,500	\$4,500	1,2,3,4
S	Electrical/Power/SCADA Connection	LS	1	\$70,000	\$70,000	1,2,3,4,7
T	Generator	EA	1	\$150,000	\$150,000	1,2,3,4
U	Erosion Control	LS	1	\$1,500	\$1,500	1,2,3,4
V	Airport Flagging and Communications	LS	1	\$25,000	\$25,000	1,2,3,4
CONSTRUCTION SUBTOTAL					\$463,000	1,2,3,4,8
CONSTRUCTION CONTINGENCY (20%)					\$93,000	1,4,8
ESTIMATED CONSTRUCTION COST					\$556,000	1,2,3,4,8
PLANNING, ENGINEERING & DESIGN, CONSTRUCTION MANAGEMENT					\$56,000	1,2,3,4,8
LEGAL					\$0	1,2,3,4,8,9
FAA APPROVALS					\$5,000	1,4,8
PERMITTING & REGULATORY APPROVALS					\$20,000	1,4,8
ESTIMATED TOTAL PROJECT COST					\$637,000	1,2,3,4,8,10
Notes						
¹ Limited Design Work Completed.						
² Quantities Based on Design Work Completed.						
³ Unit Prices Based on Information Available at This Time.						
⁴ This feasibility-level (Class 3, 10-40% design completion per AACE International Recommended Practice No. 18R-97) cost estimate is based on preliminary designs, alignments, quantities and unit prices. Costs will change with further design. Time value-of-money escalation costs are not included. A construction schedule is not available at this time. Contingency is an allowance for the net sum of costs that will be in the Final Total Project Cost at the time of the completion of design, but are not included at this level of project definition. The estimated accuracy range for the Total Project Cost as the project is defined is -10% to +30%. The accuracy range is based on professional judgement considering the level of design completed, the complexity of the project and the uncertainties in the project as scoped. The contingency and the accuracy range are not intended to include costs for future scope changes that are not part of the project as currently scoped or costs for risk contingency. Operation and Maintenance costs are not included.						
⁵ Includes furnishing, installing, operating, and removing development equipment. Also assumes 100 hours of development time.						
⁶ Includes furnishing, installing, operating, and removing test pumping equipment. Also assumes 72 hours of test pumping time.						
⁷ Includes a meter, level sensor, and pressure transducer. Does not include a VFD. Also does not include bringing permanent power to the well site.						
⁸ Estimate costs are reported to nearest thousand dollars.						
⁹ Assumes legal support will be provided in-house.						
¹⁰ Estimate costs are to design, construct, and permit the alternative. The estimated costs do not include maintenance, monitoring or additional tasks following construction.						

Large Table 6 Cost Estimate for Connecting New Airport Well to Distribution System

 PREPARED BY: BARR ENGINEERING CO.		SHEET: 1 OF 1				
PRELIMINARY FEASIBILITY STUDY ENGINEER'S OPINION OF PROBABLE PROJECT COST		BY: KMB/RRM DATE: 10/25/2018				
PROJECT: City of Bemidji Alternate Well Siting Study		CHECKED BY: BKL DATE: 10/25/2018				
LOCATION: City of Bemidji, MN		APPROVED BY: JSU DATE: 10/25/2018				
PROJECT #: 23/04-1017.00-ARPT-101		ISSUED: DATE:				
OPINION OF COST - SUMMARY		ISSUED: DATE:				
Engineer's Opinion of Probable Project Cost - Alternate Well New Well North of the Airport Well Field at SB-01 - Connection to Existing Distribution System City of Bemidji						
Cat. No.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	ITEM COST	NOTES
A	Mobilization/Demobilization	LS	1	\$150,000	\$150,000	1.2.3.4.4
B	F & I 12-Inch HDPE Water main (SB-01 to Well 6)	LF	3000	\$250	\$750,000	1.2.3.4.5
C	60-Inch Diameter Meter Manhole and Appurtenances	EA	1	\$36,000	\$36,000	1.2.3.4
D	72-Inch Diameter Valve Manhole and Appurtenances	EA	1	\$32,000	\$32,000	1.2.3.4
E	Connection to Existing Raw Water Main	EA	1	\$10,000	\$10,000	1.2.3.4
F	Airport Flagging and Communications	EA	1	\$25,000	\$25,000	1.2.3.4
G	Modify current treatment system (Iron/manganese sequestration, fluoride, chloride)	EA	1	\$150,000	\$150,000	1.2.3.4
	CONSTRUCTION SUBTOTAL				\$1,153,000	1.2.3.4.6
	CONSTRUCTION CONTINGENCY (20%)				\$231,000	1.4.9
	ESTIMATED CONSTRUCTION COST				\$1,384,000	1.2.3.4.6
	PLANNING, ENGINEERING & DESIGN, CONSTRUCTION MANAGEMENT				\$104,000	1.2.3.4.6
	LEGAL				\$0	1.2.3.4.6.7
	FAA APPROVALS				\$5,000	1.4.6
	PERMITTING & REGULATORY APPROVALS				\$20,000	1.4.6
	ESTIMATED TOTAL PROJECT COST				\$1,513,000	1.2.3.4.6.8
Notes						
¹ Limited Design Work Completed.						
² Quantities Based on Design Work Completed.						
³ Unit Prices Based on Information Available at This Time.						
⁴ This feasibility-level (Class 3, 10-40% design completion per AACE International Recommended Practice No. 18R-97) cost estimate is based on preliminary designs, alignments, quantities and unit prices. Costs will change with further design. Time value-of-money escalation costs are not included. A construction schedule is not available at this time. Contingency is an allowance for the net sum of costs that will be in the Final Total Project Cost at the time of the completion of design, but are not included at this level of project definition. The estimated accuracy range for the Total Project Cost as the project is defined is -10% to +30%. The accuracy range is based on professional judgement considering the level of design completed, the complexity of the project and the uncertainties in the project as scoped. The contingency and the accuracy range are not intended to include costs for future scope changes that are not part of the project as currently scoped or costs for risk contingency. Operation and Maintenance costs are not included.						
⁵ Assumes combination of horizontal drilling, jack-and-bore, and open cut construction from new well site to vicinity of existing Wells 5 and 6.						
⁶ Estimate costs are reported to nearest thousand dollars.						
⁷ Assumes legal support will be provided in-house.						
⁸ Estimate costs are to design, construct, and permit the alternative. The estimated costs do not include maintenance, monitoring or additional tasks following construction.						

Large Table 9 Cost Estimate for Greensand Filtration System

PREPARED BY: BARR ENGINEERING CO.		SHEET: 1 OF 1				
BARR PRELIMINARY FEASIBILITY STUDY ENGINEER'S OPINION OF PROBABLE PROJECT COST PROJECT: City of Bemidji Alternate Well Siting Study LOCATION: City of Bemidji, MN PROJECT #: 23/04-1017.00-ARPT-101 OPINION OF COST - SUMMARY		BY: KMB/RRM	DATE: 10/25/2018			
		CHECKED BY: BKL	DATE: 10/25/2018			
		APPROVED BY: JSU	DATE: 10/25/2018			
		ISSUED:	DATE:			
		ISSUED:	DATE:			
		ISSUED:	DATE:			
		ISSUED:	DATE:			
Engineer's Opinion of Probable Project Cost - Greensand Filter System Greensand Filter Treatment Plant City of Bemidji						
Cat. No.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	ITEM COST	NOTES
A	Mobilization/Demobilization	LS	1	\$717,900	\$717,900	1,2,3,4
B	Greensand Filtration (GSF) Pretreatment System - Iron/Manganese Treatment	LS	1	\$1,310,000	\$1,310,000	1,2,3,4,5
C	GSF Treatment System Interconnecting Piping and Valves (50% of equipment cost)	LS	1	\$948,000	\$948,000	1,2,3,4
D	Admin. Lab, Maintenance	LS	1	\$238,000	\$238,000	1,2,3,4
E	Backwash Pump	LS	1	\$50,000	\$50,000	1,2,3,4
F	Backwash Storage Tank	LS	1	\$87,000	\$87,000	1,2,3,4
G	Modification to Existing Disinfection System	LS	1	\$150,000	\$150,000	1,2,3,4
H	Modification to Existing Fluoride Chemical Feed	LS	1	\$19,000	\$19,000	1,2,3,4
I	Sodium Permanganate Chemical Feed	LS	1	\$30,000	\$30,000	1,2,3,4
J	Backup Generator	EA	1	\$250,000	\$250,000	1,2,3,4
K	GSF Treatment Building	SF	4600	\$300	\$1,380,000	1,2,3,4
L	Building Heat, Instrumentation/Controls/SCADA, Appurtenances	LS	1	\$269,000	\$269,000	1,2,3,4
M	Erosion Control	LS	1	\$1,500	\$1,500	1,2,3,4
N	Site Restoration	EA	1	\$3,500	\$3,500	1,2,3,4
O	Airport Flagging and Communications	LS	1	\$50,000	\$50,000	1,2,3,4,6
CONSTRUCTION SUBTOTAL					\$5,504,000	1,2,3,4,6
CONSTRUCTION CONTINGENCY (20%)					\$1,101,000	1,4,6
ESTIMATED CONSTRUCTION COST					\$6,605,000	1,2,3,4,6
PLANNING, ENGINEERING & DESIGN					\$1,381,000	1,2,3,4,6,7
LEGAL					\$0	1,2,3,4,6,8
FAA APPROVALS					\$10,000	1,4,5
PERMITTING & REGULATORY APPROVALS					\$40,000	1,4,6
ESTIMATED TOTAL PROJECT COST					\$8,036,000	1,2,3,4,6,9
Notes ¹ Limited Design Work Completed. ² Quantities Based on Design Work Completed. ³ Unit Prices Based on Information Available at This Time. ⁴ This feasibility-level (Class 3, 10-40% design completion per AACE International Recommended Practice No. 18R-97) cost estimate is based on preliminary designs, alignments, quantities and unit prices. Costs will change with further design. Time value-of-money escalation costs are not included. A construction schedule is not available at this time. Contingency is an allowance for the net sum of costs that will be in the Final Total Project Cost at the time of the completion of design, but are not included at this level of project definition. The estimated accuracy range for the Total Project Cost as the project is defined is -10% to +30%. The accuracy range is based on professional judgement considering the level of design completed, the complexity of the project and the uncertainties in the project as scoped. The contingency and the accuracy range are not intended to include costs for future scope changes that are not part of the project as currently scoped or costs for risk contingency. Operation and Maintenance costs are not included. ⁵ Major mechanical components include: • Two (2) 10' diameter x 44' overall length horizontal pressure filter, ASME code stamp, with four (4) independent filter cells (isolated above and below the underdrain), to treat 2,500 gpm at a hydraulic loading rate of 3.0 gpm/ft ² . Each vessel to include the following: o Stainless steel Simul-Wash backwash collection troughs (one per cell) o Dual media bed with an 18" depth of GreensandPlus and a 12" anthracite cap o PVC header-lateral air distribution grid (one per cell) o 15" depth graded support gravels o Arched plate underdrain with Tonka non-metallic gravel-retaining nozzles (per cell, factory installed) o Full factory finish paint on the vessel interior, above and below the underdrain; exterior blasted and prime painted (finish paint by others at the jobsite) o Support skid • Electrically actuated Bray wafer-style butterfly valves • Ductile iron filter facepiping (shipped loose for installation by others) • Airwash blower package • Loss of head pressure gauge panel, with pressure switch • Backwash rate of flow gauge panel • Fully automated PLC control system and panel • Freight • Field services consisting of installation inspection, media installation supervision, start-up and operator training ⁶ Estimate costs are reported to nearest thousand dollars. ⁷ Estimate includes a bench and pilot test for iron and manganese removal system (\$60,000). ⁸ Assumes legal support will be provided in-house. ⁹ Estimate costs are to design, construct, and permit the alternative. The estimated costs do not include maintenance, monitoring or additional tasks following construction.						



memo

DATE: 10/16/2018

TO: Community Public Water Supply Owner/Operator

FROM: Community Public Water Supply Unit, Drinking Water Protection Section

SUBJECT: UCMR 4 Results for Your Public Water System

Fourth Unregulated Contaminant Monitoring Rule (UCMR 4) Purpose and Background

Attached are drinking water sampling results for your community public water system. The Minnesota Department of Health (MDH) collected these samples as part of the Fourth Unregulated Contaminant Monitoring Rule (UCMR 4). The purpose of UCMR is to collect data from across the country on contaminants that may be present in drinking water. The U.S. Environmental Protection Agency (EPA) uses this data to decide if the contaminants are found often enough and at levels high enough to need regulations in the future.

The UCMR 4 contaminants are unregulated and do not have enforceable federal standards. MDH does not use these results to determine if your system complies with regulations. These results must be kept in your files for a minimum of ten years.

UCMR 4 Sampling Results

Manganese was detected in the samples at a level of 208 micrograms per liter, or $\mu\text{g}/\text{L}$.¹ Scientists' understanding of manganese and health is developing. MDH has set a health-based guidance value for manganese of 100 $\mu\text{g}/\text{L}$ for formula-fed infants and infants that drink tap water. For children over one year old and adults, MDH supports the EPA Health Advisory of 300 $\mu\text{g}/\text{L}$. Your system's manganese level is higher than the health-based guidance value for formula-fed infants and infants that drink tap water.

Manganese occurs naturally in rocks and soil across Minnesota and is commonly found in Minnesota ground and surface water. People need some manganese to stay healthy, but too much can be harmful to the nervous system. Infants may develop learning and behavior problems if they drink water or formula made with water that has too much manganese in it.

No other contaminants were detected in these samples.

¹ One microgram per liter is the same as one part per billion (ppb).

Informing Your Customers

You must report all UCMR 4 sampling detections to your customers in the next year's Consumer Confidence Report (CCR). MDH will include UCMR 4 detections in the CCR template we provide to you.

Based on the level of manganese in your water, and because manganese at this level affects infants under one year of age, we suggest you consider providing information to your customers before next year's CCR. MDH staff are available to provide communications assistance.

For More Information

Topic	Resources for more information
Manganese and drinking water	<u>Manganese and Drinking Water</u> (http://www.health.state.mn.us/divs/eh/risk/guidance/gw/mninfosheet.pdf)
Health-based guidance value for manganese	<u>Human Health-Based Water Guidance Table</u> (http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html)
Health questions about manganese	Sarah Fossen-Johnson, Health Risk Assessment Unit, 651-201-4080
More information about UCMR 4	MDH: <u>Fourth Unregulated Contaminant Monitoring Rule</u> (http://www.health.state.mn.us/divs/eh/water/com/ucmr4.html). EPA: <u>Fourth Unregulated Contaminant Monitoring Rule</u> (https://www.epa.gov/dwucmr/fourth-unregulated-contaminant-monitoring-rule)
All other questions	Todd Johnson, Community Public Water Supply Unit, 218-308-2110

Enclosure

COUNCIL AGENDA ITEM



Meeting Date: October 29, 2018 Work Session

Action Requested: Approve Change Order No. 1 – Carnegie Construction City Project 18-07

Prepared By: Craig Gray, City Engineer

Background:

Attached is change order number one for the Carnegie project. This change order includes a number of items that have come up during the first month of the project. The contractor is currently working on tuck pointing the exterior brick and this requires scaffolding, sheeting and temporary heat. Two of the items on the change order need approval tonight so that work can continue without interruption this week.

The two critical items are the chimney demolition and removal and replacement of loose brick at the south elevations. These items are additions to the contract in the amount of \$6,000 and \$9,485 respectively. We have also added a number of credits to this change order to account for work that will not be done. The full list of items is on page two of the attached change order.

Finance

This change order results in a net deduct to the contract of \$9,751.10. However, we are aware of a few other issues that will be contract additions for future council consideration.

Those include the cost of temporary heat (on-going now), the masonry repair of the chimneys (next spring) and the finishing of the lower level. Denise is estimating the total cost of the temporary heat (\$10,300/week) to be \$50,000-\$60,000 and the masonry repair of the chimneys to be \$20,000-\$25,000. We don't have any estimate on the future basement work yet.

The project budget, approved at bid award, included an \$86,000 amount for construction contingency. Change order number one will result in increasing that amount to \$95,750. It is possible that the temporary heat and the spring chimney work will utilize most of this contingency amount.

Recommendation

It is recommended that the city council pass a motion approving change order number one for the Carnegie Library Reconstruction – City Project 18-07.



Bradbury Stamm Construction Winkelman LLC
340 Highway 10 South
St. Cloud, Minnesota 56304
Phone: (320) 253-2411
Fax: (320) 253-2324

Project: W1818 - Bemidji Carnegie Library Renovation & Addition
426 Bemidji Ave
Bemidji, Minnesota 56601

Prime Contract Potential Change Order #001: Masonry Restoration Scope Changes

Table with 4 columns: Field Name, Value, Field Name, Value. Fields include TO, FROM, PCO NUMBER/REVISION, CONTRACT, REQUEST RECEIVED FROM, CREATED BY, STATUS, CREATED DATE, REFERENCE, PRIME CONTRACT CHANGE ORDER, FIELD CHANGE, LOCATION, ACCOUNTING METHOD, SCHEDULE IMPACT, PAID IN FULL, and TOTAL AMOUNT.

POTENTIAL CHANGE ORDER TITLE: Masonry Restoration Scope Changes

CHANGE REASON: Client Request

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract Is Changed As Follows)

- Existing Chimney Demolition:
- Demo existing Northwest chimney 3.5' down and the Northeast chimney 9.5' down to a safe and stable level.
- Adder of \$3,225.30
"Pillow" Stone Credit:
- Credit of \$11,200
West Entry Brick Re-pointing Credit:
- Credit of \$2,723.40
Limestone Masonry Cleaning Credit:
- Credit of \$8,538
South Elevation Brick Repair:
- Adder of \$9,485

ATTACHMENTS:



[MX-2610N_20181029_083901.pdf](#) [_MX-2610N_20181023_113619.pdf](#)

#	Cost Code	Description	Type	Amount
1	00 -03 3000 - Cast In Place Concrete - Full	Chimney demolition	Commitment	\$ 6,000.00
2	00 -04 0550 - Masonry Clean Up	Existing chimney mortar cutting and repointing credit at locations to be demolished	Commitment	(\$2,774.70)
3	00 -04 0550 - Masonry Clean Up	Credit for furnishing and installing (3) "Pillow" stone	Commitment	(\$11,200.00)
4	00 -04 0550 - Masonry Clean Up	Removal and replacement of loose brick at the South elevations	Commitment	\$ 9,485.00
5	00 -04 0550 - Masonry Clean Up	West entry mortar cutting and repointing credit	Commitment	(\$2,723.40)
6	00 -04 0550 - Masonry Clean Up	Limestone masonry cleaning credit	Commitment	(\$8,538.00)
Subtotal:				(\$9,751.10)
Grand Total:				(\$9,751.10)

Denise Koenigsberg (Widseth Smith Nolting)

315 5th St. NW
 Bemidji Minnesota 56619

City of Bemidji

317 4th Street NW
 Bemidji Minnesota 56601

Bradbury Stamm Construction Winkelman LLC

340 Highway 10 South
 St, Cloud Minnesota 56304

 SIGNATURE DATE

 SIGNATURE DATE

 SIGNATURE DATE