



## CITY OF WASILLA

290 E. HERNING AVE.

WASILLA, ALASKA 99654-7091

PHONE: (907) 373-9050

FAX: (907) 373-9085

### COUNCIL MEMORANDUM NO. 93-42

**From:** Deputy Administrator  
**Date:** May 4, 1993  
**Subject:** Water Supply for Sewerage Treatment Plant

Polarconsult has identified a need to provide 6 million gallons of water for start-up of the lagoons at the Sewerage Treatment Plant. In addition, we have a need twice each year for a sizable volume of water to clean the digester and clarifier. As stated in Mr Ausman's letter, we could eliminate a lot of uncertainty and possibly avoid construction delays if we assure the contractor of a water supply.

In order to avoid delays and potentially additional costs in construction of the sewerage treatment lagoons we propose to proceed with drilling of a six inch water well at the treatment site. We can use the specifications prepared for the new well at the senior housing project.

Only two local well drillers have responded to our telephonic requests for quotes, Moon Drilling and Wheaton Water Wells. Moon Drilling submitted a proposal that is \$850 less than Wheaton. However, since Moon Drilling was provided a copy of the contract documents and insurance requirements, they have not responded to any telephone calls or attempts to get a contract agreement. It has been over two weeks since we have had any contact with the owner of Moon Drilling.

Request Council authority to amend our contract with Wheaton Water Wells to drill the well at the sewage treatment site at the estimated costs quoted.

**APPROVED**

DATE: 5/24/93

BY: [Signature]

[Signature]  
Robert E. Harris  
Deputy Administrator

# polarconsult alaska, inc.

ENGINEERS • SURVEYORS • ENERGY CONSULTANTS

CITY OF WASILLA  
290 East Herning Avenue  
Wasilla, Alaska 99654-7091

April 28, 1993

Fax 373-9085

Attn.: Mr. Robert Harris  
Deputy Administrator

RECEIVED

APR 30 1993

City of Wasilla, Alaska

Sub: Water Supply and bid dates

Dear Bob:

We have investigated well drilling at the treatment plant. The current well has about 13 gpm capacity and was drilled in 1984 by M&W. Will send you a drill log by hard copy.

Wayne Westberg's analysis is that the well likely can not produce significant more water. I asked him what it would cost to produce a minimum of 200 gpm and potentially 300 gpm. He estimated a 200 foot well with an 8 inch diameter to assure a pump of sufficient size can be used. The cost would be about +\$30,000 plus the pump for an estimated \$3,000 more. He said the 1984 well cost \$20,443. He could not predict the likelihood of success with a well and said if we hit Knik river mud we are at basement.

I also contacted Moon and Wheaton. John Weaton said they had developed some 200 to 300 gpm wells within a mile or two. These wells were on the bench. Although he had drilled wells in the area they were only for houses and he could not predict the success of a well with larger capacity. He claimed that it is possible to get enough water out of a 6 inch well and estimated a 120 footer at \$4,000.

The net result is there is no guarantee that the well will work. Westberg thinks there is a problem including wells within a contract, because of the uncertainty factor.

The dilemma is clear. If we say we will provide a source of water we had better have it or it is extra time. If we say the contractor should provide water, the uncertainty factor will increase the bid price. Even the creek is not a guarantee as we could have a very dry year or DNR could refuse to permit. At 6,000,000 gallons of test and start up water, a 200 gpm well will take 21 days to provide enough test water.

WE are filling out a water use permit in your name to extract 7,000,000 gallons of water from the creek.

# polarconsult

## Bid dates:

Advertise	May 3, 1993	
Prebid	May 20, 1993	Wasilla City Hall 14:00
Bid	June 10, 1993	Wasilla City Hall 14:00
Award	June 14, 1993	Wasilla City 16:00

As we discussed the plan is to advertise in the Frontiersman twice.

And a minimum of several times a week over a 3 week period in the Anchorage Daily News.

In addition a set of full sized plans will be put on file at the plans rooms in Anchorage, at the AGC and at Wasilla. We will charge for plans and specifications to prevent waste and to recover some of the printing costs.

Sincerely,



Earle Ausman  
President

Cpy: Mike Burns, DEC  
C:\Jobs\Was4283W

# MOON Well Drilling

**AMENDMENT NO. 1  
TO  
CONTRACTUAL AGREEMENT DATED APRIL 22, 1992 BETWEEN  
CITY OF WASILLA  
AND  
WHEATON WATER WELLS  
FOR THE CONSTRUCTION OF THE NEW SENIOR HOUSING WATER WELL**

**Section I. Purpose.**

The purpose of this amendment is to add the construction of an additional water well to the original contract. The additional work will be located at the Wasilla Sewerage Treatment Plant to provide water for the new sewage lagoons and operation of the digester. The general conditions, specifications and insurance requirements applicable to the Senior Housing Well shall apply to the additional work described herein.

**Section II. Description.**

The work consists of drilling a six inch (6") water well with a goal of producing 200 to 300 gallons per minute. It may be necessary to drill to a depth of 150 to 200 feet. The scope of work includes installing casing, grouting, installing screen, developing, pump testing and installation of well pump and motor to be provided by the City.

**Section III. Basis of Payment.**

**Note:** Quantities are estimates only and may increase or decrease in total amounts. The estimates are for a basis of payment only and do not represent actual, minimum or maximum quantities.

<u>Item</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Quantity</u>	<u>Total Price</u>
Mobilization and Demobilization	Lump Sum	<u>0</u>	All	<u>0</u>
Drilling and Casing	L.F.	<u>20 (+100)</u>	200	<u>\$4100</u>
Development	Hour	<u>200</u>	12	<u>2400</u>
Well Grouting	Lump Sum	<u>10'</u>	All	<u>\$ 550</u>
Test Pumping	Hour	<u>150</u>	24	<u>\$3600</u>
Well Screen	L.F.	<u>200</u>	10	<u>2000</u>
Casing Pullback	L.F.	<u>40</u>	10	<u>400</u>
Estimates Total Payment				<u>\$ 13,050</u>

SENT BY: City of WASILLA !!! ; 5-4-93 ; 4:30PM ; Wasilla, ALASKA !!!

3763882;# 2

**WHEATON WATER WELL PROPOSAL**

**AMENDMENT NO. 1  
TO  
CONTRACTUAL AGREEMENT DATED APRIL 22, 1992 BETWEEN  
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AND  
WHEATON WATER WELLS  
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<u>Item</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Quantity</u>	<u>Total Price</u>
Mobilization and Demobilization	Lump Sum	\$400.00	All	\$ 400.00
Drilling and Casing	L.F.	\$ 25.00	200	\$5,000.00 <sup>x</sup> 2/100
Development	Hour	\$150.00	12	\$1,800.00
Well Grouting	Lump Sum	\$500.00	All	\$ 500.00
Pumping	Hour	\$150.00	24	\$3,600.00
Well Screen	L.F.	\$250.00	10	\$2,500.00
Casing Pullback	L.F.	\$ 10.00	10	\$ 100.00