



Layne Christensen Company
721 W. Illinois Avenue
Aurora, IL 60506

630/897-6941
graniteconstruction.com

October 6, 2022

Village of Homewood
2020 Chestnut Rd
Homewood IL 60430

Attention: John Schaefer

SUBJECT: ISAAK WALTON WELL (Homewood #13)

Dear Mr. Schaefer:

Please find this budgetary cost estimate based upon previous inquiries about this well, in 2013 and 2015. Layne last looked at the well in 2015, but it appears no actions were completed, the last time the well was serviced was in 2013. It would be best to pull the pump and televise the casing to better understand the cause of the lack of pumping.

This well was constructed by Wheeling Well Works in 1973 to a depth of 481 feet with a 12-inch diameter. Our records on the pump in the well go back to 1977. According to our records, the current pump is a Grundfos 150S75-4 6" stainless steel pump with a 7.5 HP 3ph, 230 motor, which was installed in 2013. In 2013 and 2015, it was recommended to perform chemical treatment to the well to dissolve biofilms and slime coatings within the well.

Due to the nature of the situation, an exact cost cannot be determined until the pump has been pulled and inspected. However, for budgetary purposes, we have developed the list below, which includes some items that we believe will be required.

Pump repairs of this nature are normally performed on a time & material basis, per the rates, terms, & conditions as outlined on the attached Work Order Form. We would typically use a Small Pump Service rig, along with a Service Truck and Trailer, with combinations of 2 and 3-man crews.

The listing of the items for our T&M estimate is broken down as follows:

• Load and mobilize to site	\$1,360.00
• Pull pumping equipment and demobilize	\$7,776.00
• Unload materials in yard	\$1,360.00



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• Machinist and Equipment to marry bowl and motor, install a PUP on bowl	\$1,200.00
• TV Survey	\$1,850.00
• Scratch and bail including dumpster rental, Est. 2 days	\$8,576.00
• Acidize well including Acid, Est. 2 days	\$12,557.00
• Set and remove test pump to clear out well of acid, Est. 2 days	\$7,776.00
• Chlorination of well including hypo and Layne Oximate	\$4,268.00
• Install permanent equipment and demobilize	\$10,496.00
• Misc materials such as airline, banding, well seal, splices etc...	\$1,000.00
• New bowl model 150S75-4	\$2,960.00
• New motor, 7.5HP 3ph 230V	\$2,250.00
• New 10/3 flat cable	\$500.00
• 6pcs - 3" galvanized T&C pipe, in 21' lengths	\$3,402.00
• Miscellaneous Repairs Contingency	\$1,000.00
TOTAL ESTIMATED COST	\$68,331.00

We also assume that the pump can be removed in a normal fashion without any unusual downhole circumstances, parting of the column pipe, etc.

Proper well rehabilitation often requires the use of strong chemical agents and mechanical techniques that impart higher than normal stresses on the well. This is necessary to effectively disperse and distribute the chemicals and breakdown any mineral build up, formation impaction, bio-fouling and encrustations that maybe blocking the pore space within the well and surrounding formation and preventing the water from entering the well in an efficient manner. Layne will use standard industry practices available to rehabilitate the well. However, it is possible due to poor construction practices, poor construction materials, pre-existing conditions, etc. that damage may occur. Impairment is very unlikely, and rarely occurs, but should such events such as



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gas production, increased sand production, reduced capacity, casing damage, surface subsidence, water quality changes or complete well failure occur, Layne Christensen will not be held liable for any damage what so ever for events mentioned above should such events occur.

Please note this budget estimate has been prepared by making certain project assumptions. Most notably we assume that the site is accessible to our truck mounted service equipment and that no extraordinary measures are necessary to rig in and service the pump. Provided the site setup has not changed since 2013, we do not believe rigging in will be an issue.

Due to global supply chain issues across the country, material pricing is typically only valid for 3 days from proposal. Layne reserves the right to update pricing should a price increase occur.

Layne values our longstanding relationship with the Village of Homewood and is looking forward to again being of service to you on any upcoming projects. If you have any questions, comments, or concerns regarding the proposal above please do not hesitate to contact me. I can always be reached either in the office at 630.897.6941 or on my mobile at 331.262.5724. We will be happy to send a more refined budget estimate after inspecting the well and the equipment.

Sincerely yours,

Layne Christensen Company

Jason Gray
Project Manager I

Above work accepted by (signature): _____

Printed Name: _____

Title: _____

Date: _____

Company Name: _____



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Billing Address: _____

Billing City/State/Zip: _____

Billing Contact Name: _____

Billing Contact Phone Number: _____

Billing Contact Email: _____

WORK ORDER



Layne Christensen Company

721 W. Illinois Avenue, Aurora, IL 60506; Phone (630) 897-6941
 229 W. Indiana Ave., P.O. Box 489, Beecher, IL 60401; Phone (708) 946-2244

Purchaser: _____
 Job Location: _____

SERVICE RATES - EFFECTIVE OCTOBER 1, 2021

	Straight Time		Overtime Per Hr.	Doubletime Per Hr.
	Per Hr.	8 Hr. Day		
Serviceman w/hand tools	196.00	1568.00	294.00	392.00
Serviceman w/service truck and hand tools, or welder	225.00	1800.00	323.00	421.00
Helper	170.00	1360.00	255.00	340.00
Serviceman and 1 Helper	366.00	2928.00	549.00	732.00
<u>Small Rig or Winch Truck</u>				
1 Man Crew	245.00	1960.00	343.00	441.00
2 Man Crew	415.00	3320.00	598.00	781.00
3 Man Crew	585.00	4680.00	853.00	1121.00
<u>Middle Rig, Large Hoist or Flatbed Crane</u>				
1 Man Crew	261.00	2088.00	359.00	457.00
2 Man Crew	431.00	3448.00	614.00	797.00
3 Man Crew	601.00	4808.00	869.00	1137.00
<u>Big Rig, Large Hoist and Poles, or Large Crane</u>				
1 Man Crew	302.00	2416.00	400.00	498.00
2 Man Crew	472.00	3776.00	655.00	838.00
3 Man Crew	642.00	5136.00	910.00	1178.00
4 Man Crew	812.00	6496.00	1165.00	1518.00
Power Tong Usage, per 8 hour shift		470.00		
<u>Machine Shop/Yard Labor and Equipment</u>				
Machinist and Equipment	193.00	1544.00	280.00	367.00
12" Threading Machine and Operator	219.00	1752.00	306.00	393.00
Serviceman w/hand tools	174.00	1392.00	261.00	348.00
Helper	166.00	1328.00	249.00	332.00
Sandblast Equipment and 2 man crew	385.00	3080.00	555.00	725.00

Mileage: Auto: \$0.55 Pickup: \$0.70 1-Ton:\$1.00 2-1/2 Ton Flatbed: \$2.10 Semi-Tractor: \$2.75

Subsistence-Per Man

Over 55 miles radius from home office.....\$65.00 + Hotel

The undersigned Purchaser hereby instructs Layne Christensen Company (Contractor), to proceed with the work described with the understanding that the Terms and Conditions shown on the reverse are hereby incorporated as part of this Quotation and with the specific understanding that Contractor will not be held liable for any damage in any way whatsoever for failure to complete the described work, nor for any injury or damage resulting from Contractor's efforts to perform such work, or for delay on Contractor's part in completing same. All work described herein will be provided as quoted above or on a cost plus basis at the hourly rates provided. All quotes indicated, if any, are estimates based on the best information available prior to beginning work. Purchaser's pumps, motors, parts and/or accessories may be stored by the Contractor for sixty (60) days from the date of invoice or other written notice from Contractor. After said sixty (60) days, disposal of such equipment may be made by the Contractor without incurring any liability. All hours worked before or after Contractor's normal work day hours and all hours worked on Saturdays, will be billed at time and one-half rates. All work on Sundays and/or any federally recognized holiday will be billed at double time rates.

REMARKS:

 Work Authorized on Behalf of Purchaser By: _____
 Date: _____ Title: _____

TERMS AND CONDITIONS

LIABILITY OF CONTRACTOR: *Contractor shall not be liable for any bodily injury, death, or injury to or destruction of tangible property except as the same may have been caused by the negligence of Contractor. In no event shall Contractor be liable for any delays or special, indirect, incidental or consequential damages. Purchaser agrees that the total limit of Contractor's liability (whether based on negligence, warranty, strict liability or otherwise) hereunder, shall not exceed the aggregate amount due Contractor for services rendered under this contract. All claims, including claims for negligence or any other cause whatsoever, shall be deemed waived unless made in writing and received by Contractor within one (1) year after Contractor's completion of work hereunder.*

INSURANCE: Contractor shall provide workers' compensation insurance, public liability and property damage insurance covering its employees and operation. Purchaser, at its option, may maintain such insurance as will protect it against claims arising out of the work.

REIMBURSABLE COST: In addition to the hourly charge provided on the face of this contract, Purchaser will reimburse Contractor for travel and living expenses necessarily incurred by the Contractor in the performance of the work, minor incidental expenses such as overnight mail, telephone and petty cash expenditures necessarily incurred, cost of removal of all debris if so directed by Purchaser, sales, consumer, use and similar taxes required by law and the cost of permits and all licenses necessary for the execution of the work. The foregoing costs shall be billed at actual cost plus fifteen percent (15%) unless otherwise agreed upon.

PRICE ADJUSTMENT: Any cost estimates or time frames stated herein are subject to equitable adjustment in the event of differing or unforeseeable conditions, changes in applicable laws after the date of this contract, unforeseeable delays or difficulties caused by acts of God, Purchaser or any third parties. Prices of goods acquired by Contractor from others shall be adjusted to reflect Contractor's price in effect at time of shipment. The price of Contractor's goods will be adjusted to the price in effect at time of shipment in accordance with Contractor's current escalation policies or as specifically covered in this contract.

TERMS: Thirty (30) days net from date of invoice. For extended projects, Contractor shall submit invoices on a monthly basis for any and all work completed and materials or equipment provided during the previous month. Past due invoices shall be subject to a delinquency charge of one and one-half percent (1-1/2%) per month (eighteen percent (18%) per annum) unless a lower charge is required under applicable law, in which case the lower rate shall apply. Purchaser agrees to pay all collection fees, attorneys' fees and costs incurred in the collection of any past due amounts arising out of this contract. Contractor shall have the right to immediately terminate this contract without further liability if Purchaser fails to make timely payment or otherwise materially breaches this contract.

MATERIAL SHORTAGES AND COST INCREASES: If any portion of materials or equipment which Contractor is required to furnish becomes unavailable, either temporarily or permanently, through causes beyond the control and without the fault of Contractor, then in the case of temporary unavailability any completion time frames shall be extended for such period of time as Contractor shall be delayed by such above-described unavailability, and in the case of permanent unavailability Contractor shall be excused from the requirement of furnishing such materials or equipment. Purchaser agrees to pay Contractor any increase in cost between the cost of the materials or equipment which have become permanently unavailable and the cost of the closest substitute which is then reasonably available.

DELAYS: If Contractor is delayed at any time in the progress of work by labor disputes, fire, unusual delays in transportation, unavoidable casualties, weather, or any cause beyond Contractor's reasonable control, then any completion time frames shall be extended by a reasonable period of time, at least equal to the period of delay.

CHANGED CONDITIONS: The discovery of any hazardous waste, substances, pollutants, contaminants, underground obstructions or utilities on or in the job site which were not brought to the attention of Contractor prior to the date of this contract will constitute a materially different site condition entitling Contractor, at its sole discretion to immediately terminate this contract without further liability.

ESCALATION: This contract is made with the understanding that Contractor will be able to begin and continuously proceed with its work on or before the proposed start date on the reverse side hereof. In the event Contractor is unable to commence its work on or before said date because the project is not ready for Contractor's work, Contractor will charge Purchaser the amount of increase in Contractor's cost attributable to such delay, plus Contractor's normal overhead percentage.

GUARANTEE AND LIABILITY: Contractor warrants that its labor supplied hereunder shall be free from defect and shall conform to the standard of care in effect in its industry at the time of performance of such labor for a period of twelve (12) months after substantial completion of Contractor's work. Contractor agrees, to the extent it is permitted, to pass on any warranties provided by the manufacturers of materials and/or equipment furnished under this contract. Contractor itself provides no warranty, express, implied or otherwise, on any such materials or equipment. Contractor will not be responsible for: work done, material or equipment furnished or repairs or alterations made by others.

For any breach hereunder, Contractor shall be liable only for the value of the installation work or, if it wrongfully fails to install, then its liability is limited to the difference between the contract price herein, and the value of other similar installation work. If Contractor's breach damages any materials or equipment furnished hereunder, Contractor shall only be liable for the value of such materials or equipment. Under no circumstances will Contractor be liable for consequential, special or indirect damages, including without limitation, any crop loss or damage, damage to other equipment, structures or property, nor for any other similar or dissimilar damages or losses whether due to delay, failure to furnish or install, delay in installation, defective material or equipment, defective workmanship, defective installation, delay in replacing, nor for any cause or breach whatsoever. In any event, Contractor's total liability towards Purchaser for alleged faulty performance or nonperformance under this contract shall be limited to the total contract price. No materials, equipment or services contracted herein carries any guarantee not mentioned in this contract. THE ABOVE WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED.

TITLE AND OWNERSHIP: In case of default on Purchaser's part, Contractor shall have the right to enter the premises upon which any material or equipment furnished herein have been installed and retake such goods not then paid for and pursue any further remedy provided by law, including recovery of attorneys' fees and any deficiency to the maximum extent and in the manner provided by law. Such materials and equipment shall retain their character as personal property of Contractor until payment in full is received by Contractor, regardless of their mode of attachment. Unless prior specific written instructions are received to the contrary, surplus and replaced materials and equipment resulting from repair or installation work shall become the property of Contractor.

DELIVERY: Shipment schedules and dates, expressed or implied, are contingent on normal conditions. Contractor will not be responsible for any delays in shipment or completion caused by factors beyond its control such as, but not limited to, suppliers' failures, accidents, work stoppages or operation of or changes in the law. Shipments will be made as promptly as Contractor's ability to obtain materials and/or equipment and scheduling will permit. No delay in shipments or variances from shipping schedule shall be cause of cancellation or any claim for damage. Any changes in layout or design requested after acceptance of this contract will be made at Purchaser's additional cost. Any such change and/or time taken to supply engineering data or to approve drawings will automatically extend shipping schedules. Equipment will be shipped "knocked down" to the extent Contractor considers necessary, with small parts stripped from equipment and crated. On and after delivery to the carrier for transportation to the Purchaser's site, Purchaser shall be responsible for all loss or damage to materials or equipment due to any cause, including but not limited to loss or damage resulting from casualty.

INDEMNIFICATION: *Purchaser agrees to indemnify and hold Contractor, its directors, officers, stockholders, employees, agents and subcontractors, harmless from and against any and all claims, demands, causes of action (including third party claims, demands or causes of action for contribution or indemnification), liability and costs (including attorneys' fees and other costs of defense) asserted and/or filed by Purchaser or any third party(ies), including without limitation Purchaser's employees, and arising out of or as a result of: (i) the presence of Contractor or its subcontractors at the job site, (ii) the work performed by Contractor or its subcontractors, or (iii) any negligent act or omission of Purchaser, its employees, agents, consultants, other contractors or any person or entity under Purchaser's control; except to the extent that such claims, demands, causes of action, liabilities or costs are caused by the negligence of Contractor or its subcontractors.*