



# Agenda Item Executive Summary

Item Name    Revised Well Abandonment Agreement    Committee or Board    Board

## BUDGET IMPACT

Amount:    \$125,160    Budgeted    \$375,000

List what fund    Water

## EXECUTIVE SUMMARY

On June 7, 2022, the Board awarded the Water Well Abandonment Project to Water Well Solutions, LLC, and approved of a form of contract different than the one included in the Project Manual, and which the apparent low bidder has not signed. This Project consists of the abandoning and capping of four (4) wells within the Village that are no longer necessary to maintain due to the changeover to Lake Michigan water. The Project was bid as a lump sum project, but due to certain concealed conditions and unknowns when it comes to properly abandoning the deeper wells, such as filling potential large voids or caverns that may have developed, Water Well Solutions, LLC submitted a qualified bid that was \$71,040 lower than the only other bid received. Water Well Solutions, LLC has submitted unit pricing to fill any large voids that may be discovered when the wells to be abandoned are televised, and if more material than originally anticipated is needed, the unit prices included in the Revised Agreement attached for your review would be utilized for any necessary change order.

Village Staff, along with the Deigan Group, the Village's hired environmental consultant assisting with the Project, has reviewed the unit prices included in the Revised Agreement and are of the opinion that the unit prices are fair and reasonable.

## RECOMMENDATION

Staff recommends approving the Revised Water Abandonment Project Agreement with Water Well Solutions, LLC of Elburn, Illinois.

## ATTACHMENTS (PLEASE LIST)

Memo

Resolution

Agreement w/ Attachments

## ACTION REQUESTED

For Discussion Only

✓ Resolution

Ordinance

✓ Motion: MOVE TO APPROVE RESOLUTION # 2022-\_\_\_\_-R, A RESOLUTION REPEALING RESOLUTION 2022-50 AND APPROVING THE REVISED WATER WELL ABANDONMENT AGREEMENT BETWEEN THE VILLAGE OF BARTLETT AND WATER WELL SOLUTIONS, LLC.

Staff:    Dan Dinges, Director of Public Works

Date:    8/8/2022

# Memo

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**To:** Paula Schumacher, Village Administrator  
**From:** Tyler Isham, Assistant Director of Public Works  
**Subject:** **Revised Well Abandonment Contract**  
**Date:** August 8, 2022

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On June 7, 2022, the Board awarded the Water Well Abandonment Project to Water Well Solutions, LLC, and approved of a form of contract different than the one included in the Project Manual, and which the apparent low bidder has not signed. This Project consists of the abandoning and capping of four (4) wells within the Village that are no longer necessary to maintain due to the changeover to Lake Michigan water. The Project was bid as a lump sum project, but due to certain concealed conditions and unknowns when it comes to properly abandoning the deeper wells, such as filling potential large voids or caverns that may have developed, Water Well Solutions, LLC submitted a qualified bid that was \$71,040 lower than the only other bid received. Water Well Solutions, LLC has submitted unit pricing to fill any large voids that may be discovered when the wells to be abandoned are televised, and if more material than originally anticipated is needed, the unit prices included in the Revised Agreement attached for your review would be utilized for any necessary change order.

Village Staff, along with the Deigan Group, the Village's hired environmental consultant assisting with the Project, has reviewed the unit prices included in the Revised Agreement and are of the opinion that the unit prices are fair and reasonable.

## **RECOMMENDATION**

Staff recommends approving the Revised Water Abandonment Project Agreement with Water Well Solutions, LLC of Elburn, Illinois.

## **MOTION**

**I MOVE TO APPROVE RESOLUTION # 2022-\_\_\_\_-R, A RESOLUTION REPEALING RESOLUTION 2022-50 AND APPROVING THE REVISED WATER WELL ABANDONMENT AGREEMENT BETWEEN THE VILLAGE OF BARTLETT AND WATER WELL SOLUTIONS, LLC.**

RESOLUTION 2022 - \_\_\_\_\_

**A RESOLUTION REPEALING RESOLUTION 2022-50 AND APPROVING  
OF THE REVISED WATER WELL ABANDONMENT AGREEMENT BETWEEN  
THE VILLAGE OF BARTLETT AND WATER WELL SOLUTIONS, LLC.**

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**WHEREAS**, on June 7, 2022, the Village Board awarded the contract on the water well abandonment project (the "Well Abandonment Project") to the apparent low bidder thereon, Water Well Solutions, LLC, and approved of a form of contract that was different than the form of contract included in the project manual for the Well Abandonment Project; and

**WHEREAS**, the Village received two bids on the Well Abandonment Project, one from Water Well Solutions, LLC in the amount of \$125,160.00, the apparent low bidder but whose bid was qualified based on uncertainties related to concealed conditions, and a second unqualified bid from Municipal Well & Pump in the amount of \$196,200; and

**WHEREAS**, the qualified bid submitted by Water Well Solutions, LLC is \$71,060.00, lower than the next lowest and only other bid submitted by Municipal Well & Pump (the "Second Lowest Bidder"); and

**WHEREAS**, the cost to televise and calculate the volume of any underground voids and caverns that need to be filled before going out to bid made it impracticable and cost prohibitive because it requires specialized equipment and underground cameras that only underground well contractors have and will utilize in any event when performing well abandonment work; and

**WHEREAS**, Water Well Solutions, LLC has submitted unit prices to fill any voids and caverns that are discovered, documented, and volume quantities determined as each

well is televised, and videotaped, which unit prices submitted by said contractor are fair and reasonable according to the Village's consultant on the Water Well Abandonment Project, and which unit prices will be utilized in calculating any change order should any unknown subsurface conditions be encountered; and

**WHEREAS**, the Village's consultant believes that it is unlikely the total cost of any change orders will exceed the difference in price between the qualified low bid submitted by the apparent low bidder and the Second Lowest Bidder, and even if the total change orders for the Well Abandonment Project exceeds the \$71,040 difference, the Second Lowest Bidder, had it been awarded the Well Abandonment Project on its lump sum bid, would in any event have a legitimate basis to challenge its lump sum contract and would arguably be entitled to a large change order on top of its higher bid because of the concealed conditions which could lead to a dispute and eventual litigation; and

**WHEREAS**, notwithstanding the fact the Village went out to bid and awarded the Well Abandonment Project to the apparent low bidder, the Village President and Board of Trustees (the "Corporate Authorities") have the authority to waive bids upon a 3/4 vote of the Corporate Authorities;

**WHEREAS**, it is in the best interest of the Village to repeal Resolution 2022-50 and to approve and enter the Revised Water Well Abandonment Project Agreement attached hereto in lieu of the contract heretofore approved by the Corporate Authorities on June 7, 2022 by the passage of Resolution 2022-50, and which form of contract was never approved or signed by Water Well Solutions, LLC, which remains the lowest responsible bidder, and to address additional work to fill any voids and/or caverns that may be encountered beyond the calculated volumes, on a time and material basis at the

unit prices set forth in the Water Well Solutions letter dated June 16, 2022, and in the “Contractor’s Basis for Notification of Changed Subsurface Conditions submitted July 8, 2022 with unit prices dated June 16, 2022, for additional labor and materials if unknown subsurface conditions are encountered beyond base bid conditions, subject to prior notice by both contractor and prior approval by owner before proceeding with extra work”, both made a part of the Revised Agreement (hereinafter defined);

**NOW, THEREFORE, BE IT RESOLVED** by the President and Board of Trustees of the Village of Bartlett, Cook, DuPage and Kane Counties, Illinois, as follows:

**SECTION ONE:** Resolution 2022-50, “A Resolution Approving of the Well Abandonment Agreement Between the Village of Bartlett and Water Well Solutions, LLC” and the form Agreement appended thereto and thereby approved on June 7, 2022, is hereby repealed.

**SECTION TWO:** The Revised Water Well Abandonment Project Agreement dated as of August 8, 2022, between the Village of Bartlett and Water Well Solutions, LLC (the “Revised Agreement”), a copy of which is appended hereto and expressly incorporated herein by this reference, is hereby approved, and shall replace the agreement repealed in Section One of this Resolution.

**SECTION THREE:** That the Village President and the Village Clerk are hereby authorized and directed to sign and attest, respectively, the Revised Agreement on behalf of the Village of Bartlett.

**SECTION FOUR: SEVERABILITY.** The various provisions of this Resolution are to be considered as severable, and of any part or portion of this Resolution

shall be held invalid by any Court of competent jurisdiction, such decision shall not affect the validity of the remaining provisions of this Resolution.

**SECTION FIVE: REPEAL OF PRIOR RESOLUTIONS.** All prior Ordinances and Resolutions in conflict or inconsistent herewith are hereby expressly repealed only to the extent of such conflict or inconsistency.

**SECTION SIX: EFFECTIVE DATE.** This Resolution shall be in full force and effect upon passage and approval.

ROLL CALL VOTE:

AYES:

NAYS:

ABSENT:

PASSED: August 16, 2022

APPROVED: August 16, 2022

\_\_\_\_\_  
Kevin Wallace, Village President

ATTEST:

\_\_\_\_\_  
Lorna Giles, Village Clerk

#### CERTIFICATION

I, the undersigned, do hereby certify that I am the Village Clerk of the Village of Bartlett, Cook, DuPage and Kane Counties, Illinois, and that the foregoing is a true, complete and exact copy of Resolution 2022 - \_\_\_\_\_ enacted on August 16, 2022, and approved on August 16, 2022, as the same appears from the official records of the Village of Bartlett.

\_\_\_\_\_  
Lorna Giles, Village Clerk

REVISED Contract Village of Bartlett Municipal Water Well Abandonment - Four (4) wells:  
Wells 1-2 at 300 S. Main St in Cook County  
Well 5 at 818 Kent Circle in DuPage County  
Well 8 at 401 Schick Rd in DuPage County.

**REVISED Contract Agreement/Signature Page**

8 August 2022

This agreement is between The Village of Bartlett at 228 South Main Street Bartlett, Illinois 60103 (OWNER) and Water Well Solutions Illinois, LLC at 825 E North St. Elburn IL 60119 (CONTRACTOR).

This agreement includes and incorporates by reference the following documents:

1. OWNER's Advertisement for Bids published April 28, 2022.
2. OWNER's Bid/Contract Documents issued April 28, 2022.
3. OWNER's Addendum 1 to Bid Document issued May 17, 2022
4. CONTRACTOR's Bid Submittal on May 18, 2022, with the following Lump Sum totals including incremental Lump Sum amounts, if necessary, of \$22,990.00 – Well 1 & 2, \$27,720.00 – Well 5, and \$117,834.00 - Well 8.
5. CONTRACTOR's Basis for Notification of Changed Subsurface Conditions submitted July 8, 2022, with unit prices dated June 16, 2022 for additional labor and materials if unknown subsurface conditions are encountered beyond base bid conditions, subject to prior notice by CONTRACTOR and prior approval by OWNER before proceeding with extra work.

Agreement is hereby executed by signature below this \_\_\_ day of \_\_\_\_\_ 2022.

Village of Bartlett

Water Well Solutions Illinois, LLC

\_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Attest: \_\_\_\_\_

Attest: \_\_\_\_\_

8 August 2022

**REVISED**  
**Water Well Abandonment Project Agreement**

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This Water Supply Well Abandonment (the “Agreement”) is entered as of June \_\_\_\_\_, 2022, between the Village of Bartlett, an Illinois municipal corporation of Cook, DuPage and Kane Counties, Illinois (the “Village” or the “Owner”) and Water Well Solutions Illinois, LLC (the “Well Abandonment Contractor”).

**IN CONSIDERATION** of the covenants and conditions herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the Parties, the Parties hereby agree as follows:

1. Project Work.

A. “Project Work” shall mean the abandonment of up to four (4) municipal water supply wells in accordance with the Scope of Work defined in the Contract Documents.

B. Well Abandonment Contractor shall procure and furnish the District at the Well Abandonment Contractor’s expense the following: (i) all licenses and permits required for the Project Work from any federal, state and local governmental entities and/or agencies thereof having jurisdiction over the Project Work, Performance Bond and the Payment Bond in accordance with paragraph 12 below; (iii) Well Abandonment Contractor shall furnish the Owner with the certificates of insurance, additional insured endorsements and other insurance documents in accordance with paragraph 11 below; and (iv) Well Abandonment Contractor shall immediately commence the Project Work following receipt of notice to proceed from the Owner.

C. “Project Site” shall mean Wells 1 & 2 at 300 S. Main St in Cook County, Well 5 at 818 Kent Circle in DuPage County, and Well 8 at 401 Schick Rd in DuPage County.

D. “Contract Documents” shall mean:

1. The Well Abandonment Bid Request dated April 28, 2022, including:
  - a. Special Provisions
  - b. Exhibit I: Village of Bartlett Specifications Governing Compliance with Laws, Indemnification, and Insurance Requirements
  - c. Map of Well Locations to be Abandoned
  - d. Well Abandonment Bid Request Photographs
  - e. Well Logs for Wells to be abandoned
  - f. Well Abandonment Project Agreement
2. Well Abandonment Contractor’s Bid Offer
3. This Water Supply Well Abandonment Project Agreement, the form of which was included in the Well Abandonment Bid Request.

8 August 2022

4. Well Abandonment Contractor's Performance bond to be submitted by Well Abandonment Contractor after award of contract to be co-signed by the Well Abandonment Contractor and surety.
5. Well Abandonment Contractor's Payment Bond as described herein (to be submitted by the Well Abandonment Contractor after award signed by the Well Abandonment Contractor and its surety).
2. Completion Date. Sixty (60) days after the issuance of a Notice to Proceed by the Owner or the Environmental Consultant.
3. Contract Sum and Payment Terms.

A. The contract sum for the Project Work includes the following Lump Sum totals including incremental Lump Sum amounts, if necessary, of \$22,990.00 – Well 1 & 2, \$27,720.00 – Well 5, and \$117,834.00 - Well 8. (the "Contract Sum"). The Contract Sum includes all costs attributable to the Project Work, including but not limited to, all materials, equipment, labor, permits, licenses, insurance, additional insured endorsements, certifications, removal and disposal of construction debris, payment of Prevailing Wages, Performance and Payment Bonds, fees, expenses, costs, profits and overhead required under the Contract Documents.

B. Upon completion of the Project Work, the Well Abandonment Contractor shall provide a final invoice to the Owner in the amount of the Contract Sum plus any pre-approved change orders. It shall be a condition precedent to the Village's obligation to make a final payment that the Well Abandonment Contractor shall have submitted, not less than seven (7) days prior to the first day of the month in which the Well Abandonment Contractor is applying for final payment, the following documentation, which shall hereinafter collectively be referred to as the "Contractor's Final Payment Documents":

(i) An itemized Application of Payment for operations and Continuation Sheets using AIA G702 and G703 supported by such data to substantiate the Well Abandonment Contractor's right to payment as the Owner may require, such as copies of requisitions from material suppliers, until after final acceptance has been made by the Owner. Payment may be reduced by such additional amounts as the Owner determines for non-conforming work and unsettled claims.

(ii) A General Contractor's Sworn Statement in form customarily used by Chicago Title and Trust Company listing the name and address of each subcontractor that furnishes labor on the Project and for each subcontractor in separate columns, the original amount of each subcontract, the amount of issued change orders, adjusted contract amount, the total completed and stored to date, net amount previously paid, net amount this payment and balance to complete.

(iii) **Final Waivers of Lien** from the Well Abandonment Contractor and from all subcontractors of every tier that furnished labor, materials and/or equipment in

8 August 2022

connection with the Project Work and final waivers of lien from all material suppliers that supplied material in connection with the Project. **Trailing Waivers of Lien will not be accepted.**

(iv) All of the Well Abandonment Contractor's Final Payment Documents shall be sworn to and notarized.

(v) It shall also be a condition precedent to any payment hereunder that Well Abandonment Contractor and its subcontractors must complete and submit certified payrolls to the Owner covering all payouts in strict compliance with the Prevailing Wage Act (820 ILCS 130/01, et seq.) using forms furnished by the Illinois Department of Labor (IDOL) (the "Certified Payrolls"). The Owner will not process or release any payments prior to receiving the Certified Payrolls relative to each applicable pay application.

(vii) Payments shall be further contingent upon the consent of the surety that issued the Performance Bond and the Payment Bond (sometimes collectively referred to as the "Performance and Payment Bonds") and/or other bond required hereunder to said payment. Any amounts required to be withheld from said payment by the surety shall be withheld without any liability to the Owner.

(vii) Following receipt of the Final Payment Request Documentation and all documents and submittals required under the Contract Documents, and following the Environmental Manager's determination that the Project Work has been completed in strict compliance with the Contract Documents and is free from defects, the Owner shall tender payment to the Well Abandonment Contractor of the Contract Sum plus any approved change orders and less any deductions as provided, subject to the terms and conditions herein.

C. Except as provided in paragraph D of this Section 2, no payments shall be made by the Owner until the Project Work has been substantially completed and in strict compliance with the Contract Documents, and further subject to the requirements of this Section 2.

D. It shall be a condition precedent to any payment required by the Owner hereunder, that the Environmental Manager has certified to the owner that the Project Work is substantially completed and that the Project Work being invoiced is free from any defects and has been substantially completed in accordance with the terms and conditions herein. Provided the Environmental Manager certifies substantial completion, the Owner may deduct from the final payment hereunder, amounts as it reasonably determines for minor incomplete Project Work, including but not limited to 110% of the value of the punch list work, and any required restoration work, and for any unsettled claims, and further subject to the conditions herein.

E. Notwithstanding the foregoing, in no event shall the Owner's acceptance of the Project Work, Well Abandonment Contractor's Final Payment Request Documentation and/or any Certification and/or the Owner's payments to the Well Abandonment Contractor be deemed a waiver, express or implied, of any warranties and/or guaranties required under the Contract Documents.

8 August 2022

4. Intentionally Omitted.

5. Non-Discrimination. Well Abandonment Contractor shall not discriminate against any worker, employee or applicant for employment because of religion, race, sex, sexual orientation, color, national origin, marital status, ancestry, age, physical or mental disability unrelated to ability, or an unfavorable discharge from the military service, nor otherwise commit an unfair employment practice.

6. Compliance With Law. All goods, equipment, materials, and all labor furnished by Well Abandonment Contractor and Well Abandonment Contractor's Agents (defined below) shall comply with all applicable federal, state and local laws, regulations, rules, ordinances, statutes and codes relative thereto including, but not limited to, the Federal Occupational Safety and Health Act (OSHA), the Americans with Disabilities Act of 1990 as amended, the Architectural Barriers Act, the Illinois Accessibility Codes, Illinois and United States Department of Labor (IDOL and USDOL), the Human Rights Commission, the Illinois Department of Human Rights, EEOC, Environmental Laws (defined below), and the Bartlett Municipal Code, including but not limited to the Village of Bartlett Building Codes, with the most stringent standards governing (collectively, the "Laws"). To the fullest extent permitted by law, the Well Abandonment Contractor shall indemnify, defend, and hold harmless the below defined Indemnified Parties from loss or damage, including but not limited to, attorney's fees, and other costs of defense by reason of actual or alleged violations of any Law(s) related to the Project Work. This obligation shall survive the expiration and/or termination of this Agreement.

7. Indemnification. To the fullest extent permitted by law, the Well Abandonment Contractor shall indemnify, defend and hold harmless the Village of Bartlett, its Village President and Board of Trustees, and its officials, officers, employees, and Deigan & Associates, LLC, and its managers, members, officers and employees (collectively, the "Indemnified Parties"), from and against all injuries, deaths, damage to property, loss, damages, claims, suits, liens, lien rights, liabilities, judgments, costs and expenses, including but not limited to legal defense costs, attorney's fees, court costs, settlement judgments, prejudgment interest, post judgment interest, whether by direct suit or third parties which may in any way arise directly or indirectly from the Project Work provided hereunder caused in whole or in part by any negligent act and/or omissions of or on behalf of the Well Abandonment Contractor, its employees, contractors, subcontractors of any tier, material suppliers, and/or agents and/or any person and/or entity acting on behalf of any of them and/or anyone directly or indirectly employed by any of them and/or anyone for whose acts and/or omissions any of them may be liable (collectively, "Contractor's Agents"); except to the extent caused by the active negligence, sole negligence or willful misconduct of the Owner or its Environmental Manager. In the event of any such suit, Well Abandonment Contractor shall at its own expense, appear, defend and pay all charges of attorneys and costs and other expenses arising there from or incurred in connection therewith, and if any judgment shall be rendered against the Indemnified Parties or any of them, in any such action, Well Abandonment Contractor agrees that any bond or insurance protection required herein, or otherwise provided by Well Abandonment Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the Indemnified Parties as herein provided. Well Abandonment Contractor shall similarly protect, indemnify and hold and save harmless the Indemnified Parties against and

8 August 2022

from any and all claims, costs, causes, actions and expenses including but not limited to attorney's fees, incurred by reason of Well Abandonment Contractor's breach of any of its obligations under, or Well Abandonment Contractor's default of, any provision of the Agreement. This obligation shall survive the expiration and/or termination of the Agreement.

8. Binding Obligation and Non-Assignability. Well Abandonment Contractor shall not assign the whole or any part of this Agreement without the written consent of the Owner. Any such assignment by Well Abandonment Contractor without the Owner's written approval shall be null and void.

9. Taxes. The Owner is a Tax-Exempt Organization and is not subject to sales, consumer, use, and other similar taxes required by law. This exemption does not, however, apply to tools, machinery, equipment or other property leased by the Well Abandonment Contractor, or to suppliers and materials which, even though they are consumed are not incorporated into the completed Project Work. The Well Abandonment Contractor shall be responsible for and pay any and all applicable taxes, including sales and use taxes, on such leased tools, machinery, equipment or other property and upon such unincorporated supplies and materials. Notwithstanding the foregoing, it shall be Well Abandonment Contractor's responsibility to determine and pay all applicable taxes attributable to the Project Work. All such taxes are included in the Contract Sum.

10. Investigations by Well Abandonment Contractor. Well Abandonment Contractor has made such investigations as it deems necessary to perform the Project Work, including but not limited to, inspection of the Project Site and the present condition of the Project Site and represents and warrants that the Contract Documents and depictions are adequate, and the required results can be produced under the Contract Documents and requirements herein. No plea of ignorance of conditions that exist or of conditions or difficulties that may be encountered in the execution of the Project Work under this Agreement as a result of failure to make the necessary investigations will be accepted as an excuse for any failure or omission on the part of the Well Abandonment Contractor to fulfill in every detail all of the requirements of this Agreement or will be accepted as a basis for any claims whatsoever, for extra compensation.

11. Insurance. The Well Abandonment Contractor shall procure and maintain for the duration of the Project Work insurance of the types and in amounts of not less than the coverage's listed on Exhibit I of the Contract Documents. The cost of such insurance is included in the Contract Sum.

12. Performance Bond, Payment Bond. Prior to commencement of the Project Work, Well Abandonment Contractor shall furnish the Owner with a Performance Bond and a Labor and Material Payment Bond ("Payment Bond") each in the amount of 100% of the Contract Sum using AIA-312 Forms (2010) or in form otherwise acceptable to the Owner, co-signed by a surety licensed by the Illinois Department of Insurance to issue and sign sureties, which surety shall have a financial strength rating (FSR) of not less than "A-" by A.M. Best Company Inc., Moody's Investor Service, Standard & Poors Corporation, or similar rating agency, and naming the Village of Bartlett as primary obligee (sometimes collectively referred to herein as the "Performance and Payment Bonds") to guarantee the performance of the Well Abandonment Contractor's obligations under the Contract Documents, completion of the Contract, and the payment of all labor and

8 August 2022

materials furnished for the Project Work, including but not limited to the payment of the below defined Prevailing Wages. The cost of said Performance and Payment Bonds shall be included in the Contract Sum.

13. Illinois Prevailing Wage Act

A. All laborers, workers and mechanics employed by Well Abandonment Contractor and/or by any subcontractor(s) performing any Project Work shall be paid wages (hourly cash wages plus fringe benefits) at rates not less than those required under the Illinois Prevailing Wage Act (820 ILCS 130/01 et seq.) (the "Act") (hereinafter, "Prevailing Wages") for Cook County and DuPage County, the counties in which the Project Work will be performed. Well Abandonment Contractor and all subcontractor(s) shall comply with all regulations issued pursuant to the Act and other applicable federal, state, and local laws and regulations pertaining to labor standards with the most stringent laws and regulations controlling.

The Well Abandonment Contractor shall notify immediately in writing all of its subcontractors, of all changes in the schedule of Prevailing Wages. Well Abandonment Contractor shall include in each of its subcontracts a written stipulation that not less than the Prevailing Wages shall be paid to all laborers, workers, and mechanics performing work under the Contract and shall require each of its sub-subcontractors of every tier to include said stipulation regarding payment of Prevailing Wages. Any increase in costs to the Well Abandonment Contractor due to changes in the Prevailing Wages or labor law during the term of any contract and/or subcontract of any tier shall be at the expense of the Well Abandonment Contractor and not at the expense of the Village. Any change orders shall be computed using the Prevailing Wages applicable at the time the change order work is scheduled to be performed. The Well Abandonment Contractor shall be solely responsible to maintain accurate records as required under the Act, and shall be solely liable for paying the difference between Prevailing Wages and any wages actually received by laborers, workers, and/or mechanics engaged in the work and for insuring strict compliance with the requirements of the Act, including but not limited to providing certified payrolls to the Village in strict accordance with the Act using forms and affidavits furnished by IDOL (the "Certified Payrolls"). Notwithstanding the forgoing, said prevailing wage rates are revised by the Illinois Department of Labor (IDOL) from time to time. Well Abandonment Contractor is solely responsible for obtaining and paying the applicable revised prevailing rate of wages for Cook County, Illinois as determined by the IDOL for the time period in which the work is being performed. Said revised prevailing wage rates are available at IDOL's website: [Current Prevailing Rates - Conciliation and Mediation Division \(illinois.gov\)](http://www.idol.state.il.us/Current-Prevailing-Rates-Conciliation-and-Mediation-Division)

14. Intentionally Omitted.

15. Default. In the event of default hereunder, the non-defaulting party shall be entitled to all remedies available at law and/or equity, including reasonable attorney's fees, subject to the limitations set forth in paragraph 18 of this Agreement.

16. Notice. Any notice or other communication required or permitted to be given under this Agreement shall be in writing and shall be deemed served (a) when delivered by Federal

8 August 2022

Express or similar overnight courier service to that party's address set forth below during the hours of 9:00 a.m. and 5:00 p.m. local time Monday through Friday, excluding federal holidays;(b) when mailed to any other person designated by that party in writing herein to receive such notice, via certified mail, return receipt requested, postage prepaid; or (c) via fax. Fax notice shall be effective as of date and time of facsimile transmission, provided that the notice transmitted shall be sent on business days during business hours (9:00 A.M. to 5:00 P.M. Chicago time). In the event fax notice is transmitted during non-business hours, the effective date and time of notice is the first hour of the first business day after transmission. Notice shall be given to the following:

If to the Well Abandonment Contractor:  
Water Well Solutions Illinois, LLC  
825 E North St.  
Elburn IL 60119

If to the Owner:  
Village of Bartlett  
228 South Main Street  
Bartlett, Illinois 60103  
Attn: Village Clerk Municipal Water Well Abandonment Bid

With a copy to the Environmental Manager:  
Deigan & Associates, LLC  
28835 North Herky Drive, Unit 120  
Lake Bluff, IL, 60044  
Attn: Gary Deigan

Either party hereto may change the place of notice to it by sending written notice to the other party.

17. Repair Work. Well Abandonment Contractor shall repair any damage to the Project Site and/or any other owner property attributable to acts and/or omissions of the Well Abandonment Contractor and/or Well Abandonment Contractor's Agents and/or otherwise attributable to the Project Work.

**18. Limitation on the Owner's Liability. The Well Abandonment Contractor agrees to waive any right which it may have to punitive, consequential, special, indirect, incidental, and/or exemplary damages against the Village of Bartlett and other Indemnified Parties and agrees not to make any claim or demand for such damages against the Village and/or other Indemnified Parties.**

19. Hazardous Substances. Well Abandonment Contractor shall not cause or permit any Hazardous Substances to be brought upon, kept, stored or used in or about any of the Project Site and/or any other property owned, leased or controlled by the Owner (collectively, "Subject Property") by Well Abandonment Contractor and/or Well Abandonment Contractor's Agents (defined above). If the presence of Hazardous Substances brought upon, kept, stored or used in or about the Subject Property by or on behalf of Well Abandonment Contractor or Well Abandonment Contractor's Agents in violation of this paragraph, results in contamination of the

8 August 2022

said Property, Well Abandonment Contractor shall pay for all actual costs of clean up and shall indemnify, hold harmless and defend the above defined Indemnified Parties from and against any and all claims, demands, expenses (including reasonable attorneys' fees), costs, fines, penalties and other liabilities of any and every kind and nature, including, but not limited to, costs and expenses incurred in connection with any clean-up, remediation, removal or restoration work required by any federal, state or local governmental authority because of the presence of any such Hazardous Substances on or about said Property.

For purposes hereof, Hazardous Substances shall include, but not be limited to, substances defined as "hazardous substances," "toxic substances" in the federal Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended; the federal Hazardous Materials Transportation Act, as amended; and the federal Resource Conservation and Recovery Act, as amended ("RCRA"); those substances defined as "hazardous substances," "materials," or "wastes" under any Federal law or the law of the State of Illinois; and as such substances are defined in any regulations adopted and publications promulgated pursuant to said laws (collectively, "Environmental Laws"). If Well Abandonment Contractor's activities or the activities of any of Well Abandonment Contractor's Agents violate or create a risk of violation of any Environmental Laws, Abandonment shall cause such activities to cease immediately upon notice from the Owner. Well Abandonment Contractor shall immediately notify the Owner both by telephone and in writing of any spill or unauthorized discharge of Hazardous Substances or of any condition constituting an "imminent hazard" under any Environmental Laws.

Well Abandonment Contractor's indemnification obligations and duties as stated in this paragraph 19 and as set forth in Exhibit I of the Contract Documents shall survive the termination and/or expiration of this Contract.

20. Delays in Project Work. The Well Abandonment Contractor's sole remedy for delay shall be an extension of time, and reasonable additional compensation for delay of any kind that is beyond the Well Abandonment Contractor's control and without fault or neglect of Well Abandonment Contractor.

21. Change Orders.

A. Notwithstanding any provisions herein to the contrary, where proposed changes to the Project Work involve a modification to (i) the Contract Sum; (ii) the Contract Time, or (iii) material changes in the Work (i.e., other than minor field changes), a written Change Order shall be prepared by the Superintendent of Parks and Planning. It shall be a condition precedent to the acceptance of any Change Order or any Series of Change Orders which involves an increase or decrease in the Contract Sum of \$10,000 or more or changes the time of completion by a total of thirty (30) days or more, that the Village President and Board of Trustees of the Village of Bartlett (the "Corporate Authorities") shall have first approved such written Change Order(s) and made the requisite determinations and findings in writing as required by 720 ILCS 5/33 E-9 (as amended). Other changes involving modifications to the Contract Sum, Contract Time or material change in the Work which will result in an increase or decrease of less than \$10,000 or extension of less than thirty (30) days to the Contract Time shall be made by the Bartlett Village Administrator or the Corporate Authorities.

8 August 2022

B. For any adjustments to the Contract Sum based on other than the unit prices method, the Well Abandonment Contractor agrees to change and accept payment for its overhead and profit at the following percentages of the cost attributable to the change in the Project Work:

- i. Ten percent (10%) of the project Work by the Well Abandonment Contractor not involving subcontractors.
- ii. Five percent (5%) for project Work by subcontractors.
- iii. When both additions and credits are involved in any one change, the allowance for overhead and profit shall be figured on the basis of the net increase, if any.
- iv. For additional Project Work ordered as described which will be executed by subcontractors of the Well Abandonment Contractor, it is agreed subcontractors will be permitted to charge ten percent (10%) for Project Work not involving sub-subcontractors and five (5%) for Project Work by sub-subcontractors. To the net Subcontract amount the Well Abandonment Contractor may add five (5%).

22. Relationship of the Parties.

A. It is understood, acknowledged and agreed by the parties that the relationship of the Well Abandonment Contractor to the Owner arising out of this Agreement shall be that of an independent contractor. Neither Well Abandonment Contractor, nor any employee or agent of Well Abandonment Contractor, is an employee, partner, joint venture, and/or agent of the Owner, and therefore is not entitled to any benefits provided to employees of the Owner. Well Abandonment Contractor has no authority to employ/retain any person as an employee or agent for or on behalf of the owner for any purpose. Neither Well Abandonment Contractor nor any person engaging in any work or services related to this Agreement at the request or with the actual or implied consent of the Well Abandonment Contractor may represent himself to others as an employee of the Owner. Should any person indicate to the Well Abandonment Contractor or any employee or agent of the Owner by written or oral communication, course of dealing or otherwise, that such person believes Well Abandonment Contractor to be an employee or agent of the Owner, Well Abandonment Contractor shall use its best efforts to correct such belief. In ordering or accepting delivery of or paying for any goods or services, Well Abandonment Contractor shall do so in Well Abandonment Contractor's own business.

B. Well Abandonment Contractor shall at all times have sole control over the manner, means and methods of performing the services required by this Agreement according to its own independent judgment. Well Abandonment Contractor acknowledges and agrees that it will devote such time and resources as necessary to produce the contracted for results. The Owner shall not have control over, charge of, nor be responsible for, the construction means, methods, techniques, sequences of procedures, or for safety precautions and programs in connection with the Project Work since they are solely the Well Abandonment Contractor's rights and responsibilities. The Well Abandonment Contractor shall supervise and direct the Project Work efficiently with his, her

8 August 2022

or its best skill and attention; and the Well Abandonment Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Project Work; and the Well Abandonment Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to all employees on the Project Site and all other persons who may be affected thereby. The Owner shall not have any authority to stop the work of the Well Abandonment Contractor or the work of any subcontractor on the Project.

23. Exhibits and Contract Documents. All Exhibits and Contract Documents referred to herein are expressly incorporated herein and made a part hereof as though fully set forth herein.

**24. Assumption of Liability. To the fullest extent permitted by law, Well Abandonment Contractor assumes liability for all injury to or death of any person or persons including employees of Well Abandonment Contractor, any subcontractor of any tier, any supplier or any other person and assumes liability for all damage to property sustained by any person or persons occasioned by or in any way arising out of any work performed pursuant to this Contract.**

25. No Waiver of Immunities and/or Privileges. Nothing herein shall be construed as an express and/or implied waiver of any common law and/or statutory immunities and/or privileges of the Village of Bartlett, and/or any of its officials, officers, employees, volunteers and/or agents as to any liability whatsoever, and all such immunities and privileges are expressly reserved.

26. Intentionally Omitted.

27. Illinois Human Rights Act. The Well Abandonment Contractor shall comply with all terms and procedures of the Illinois Human Rights Act, (775 ILCS 5/1-101, et seq.) and Well Abandonment Contractor represents and warrants to the Owner as follows:

(1) That it will not discriminate against any employees or applicant for employment because of race, color, religion, sex, marital status, national origin or ancestry, age physical or mental handicap unrelated to ability, or an unfavorable discharge from military service, and further that it will examine all job classifications to determine if minority persons or women are under-utilized and will take appropriate affirmative action to rectify any such under-utilization.

(2) That, if it hires employees in order to perform this Contract or any portion thereof, it will determine the availability (in accordance with the Department's Rules and Regulations) of minorities and women in the areas from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not under-utilized

(3) That in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status,

8 August 2022

national origin, or ancestry, age, physical or mental handicap unrelated to ability, or an unfavorable discharge from military service.

(4) That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Well Abandonment Contractor's obligations under the Illinois Human Rights Act and the Department's Rules and Regulations. If any such labor organization or representative fails or refuses to cooperate with the Well Abandonment Contractor in its efforts to comply with such Acts and Rules and Regulations, the Well Abandonment Contractor will promptly so notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations there under.

(5) That it will submit reports as required by the Department's Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and the Department's Rules and Regulations.

(6) That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Department for purposes of investigation to a certain compliance with the Illinois Human Rights Act and the Department's Rules and Regulations.

(7) That it will include verbatim or by reference the provisions of these clauses in every subcontracting awards under which any portion of the Contract obligations are undertaken or assumed, so that each provision will be binding upon such subcontractor. In the same manner as with other provisions of this Contract, the Well Abandonment Contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any Subcontractor fails or refuses to comply therewith. In addition, the Well Abandonment Contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for Contracts or Subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

28. Intentionally Omitted.

29. Clean Air Act and Federal Water Pollution Control Act. Well Abandonment Contractor shall comply with the Clean Air Act of 1970, as amended, the Federal Water Pollution Control Act, as amended, and all Environmental Laws (as defined above) with the most stringent laws controlling.

30. Removal and Disposal. The Well Abandonment Contractor must remove and dispose of all construction or demolition debris materials, waste and soils at licensed facilities in accordance with applicable federal, state and local laws, including but not limited to the NEPA Act and Illinois Public Act 97-137, with the most stringent and demanding requirements controlling.

8 August 2022

31. Work by Trade Unions. If the Project Work is to be performed by trade unions, the Well Abandonment Contractor shall make all necessary arrangements to reconcile, without delay, damage, recourse, or cost to the Owner, any conflict between the Contract Documents and any agreements or regulations of any kind at any time in force among members or councils which regulate or distinguish what activities shall not be included in the work of any particular trade. In case the progress of the Work is affected by any undue delay in furnishing or installing any items or materials or equipment required under the Contract Documents because of the conflict involving any such agreement or regulation, the Owner may require that other material or equipment of equal kind and quality be provided at no additional cost to the Owner.

32. Miscellaneous

A. This Agreement supersedes all prior agreements and understandings, both written and oral, of the parties to the subject matter hereof. This Agreement applies to and binds the successors and assigns of the Parties to this Agreement. Any amendments to this Agreement must be in writing and executed by both Parties.

B. This Agreement may be executed in any number of counterparts, and by the Owner and Well Abandonment Contractor on different counterparts, each of which when executed shall be deemed an original and all of which together shall constitute one and the same Agreement.

C. Changes in the number, gender and grammar of terms and phrases herein when necessary to conform this Agreement to the circumstances of the parties hereto shall in all cases, be assumed as though in each case fully expressed therein.

D. This Agreement shall be construed, governed and enforced according to the laws of the State of Illinois, and the exclusive venue for the enforcement of this Agreement and/or litigation between the parties shall be the Circuit Court of Cook County, Illinois.

E. In construing this Agreement, section headings shall be disregarded.

F. Time is of the essence of this Agreement and every provision contained herein.

G. If any clause, phrase, provision or portion of this Agreement or the application thereof, to any person or circumstance, shall be invalid or unenforceable under applicable law, such event shall not affect, impair or render invalid or unenforceable the remainder of this Agreement, nor shall it affect the application of any other clause, phrase, provision or portion hereof to other persons or circumstances.

H. Each of the undersigned signing as an officer or agent on behalf of the respective party to this Agreement warrants that he or she holds such capacity as is specified beneath his or her name and further warrants that he or she is authorized to execute and effectuate this Agreement and that he or she does so voluntarily and in his or her official capacity.

I. Survival of Obligations. Except as otherwise provided, any obligations and duties which by their nature extend beyond the expiration or termination of this

8 August 2022

Agreement, including, without limitation, Sections pertaining to Indemnity shall survive the expiration of this Agreement.

J. In the event of any conflict between the terms and conditions of any of the Contract Documents, the most stringent and demanding requirements shall control.

K. Facsimile signatures shall be sufficient for purposes of executing, negotiating, and finalizing this Agreement.

Village of Bartlett

Well Abandonment Contractor:  
Water Well Solutions Illinois, LLC

By: \_\_\_\_\_  
Village President

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Attest:

Attest:

\_\_\_\_\_  
Village Clerk

\_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Attachments

OWNER's Advertisement for Bids published April 28, 2022

INVITATION FOR BIDS

THE VILLAGE OF BARTLETT IS ACCEPTING SEALED BIDS FOR:

Village of Bartlett Municipal Water Well Abandonment - Four (4) wells: Wells 1-2 at 300 S. Main St in Cook County, Well 5 at 818 Kent Circle in DuPage County, and Well 8 at 401 Schick Rd in DuPage County.

All Bids shall be received by the Village of Bartlett on or before 2PM local time on Monday, May 23, 2022. Sealed bids shall be clearly marked on the outer envelope with "Village of Bartlett Municipal Water Well Abandonment Bid" and be addressed to:

**Village of Bartlett**  
**Attn: Village Clerk Municipal Water Well Abandonment Bid**  
**228 S. Main Street**  
**Bartlett, Illinois 60103**

A voluntary PRE-BID Inspection will be held Tuesday, May 10, 2022, at 10:00 AM. Meet at 300 S. Main St, Bartlett. For questions and to receive a copy of the Demolition Bid Request for the Project, please contact:

Gary Deigan  
Deigan & Associates, LLC  
Environmental Consultant to Village  
847-578-5000 email: [gdeigan@deiganassociates.com](mailto:gdeigan@deiganassociates.com)

The Bid Request is also available on the Village of Bartlett website at <http://www.village.bartlett.il.us/how-do-i-/view/bids-and-rfps>

Attachments

OWNER's Bid/Contract Documents issued April 28, 2022



**BID DUE DATE**  
**2:00 PM LOCAL TIME**  
**May 23, 2022**

April 28, 2022

**Municipal Water Well Abandonment Bid Request**

Village of Bartlett  
228 South Main Street  
Bartlett, Illinois 60103

At 10:00 AM on May 10, 2022  
Contractors shall meet at Bartlett Village Hall for a voluntary pre-bid inspection.

The bidder shall use the following forms and instructions in preparing and submitting a bid for this Village of Bartlett Solicitation.

**A. Project Name/Site Location:**

Village of Bartlett Municipal Water Well Abandonment - Four (4) wells:  
Wells 1-2 at 300 S. Main St in Cook County  
Well 5 at 818 Kent Circle in DuPage County  
Well 8 at 401 Schick Rd in DuPage County.

**B. Village's Environmental Consultant: (Owner's Coordinator)**

Mr. Gary Deigan  
Deigan & Associates, LLC  
28835 N. Herky Dr., Unit 120  
Lake Bluff, IL. 60044  
847-578-5000 Fax 847-549-3242  
email: [gdeigan@deiganassociates.com](mailto:gdeigan@deiganassociates.com)

**C. Site Investigation**

By submitting a bid, the Contractor has investigated and satisfied themselves as to the conditions affecting the work. These conditions include but are not limited to: physical conditions or operations of the site that may bear upon site access, handling and storage of tools and materials, access to water, electric, or other utilities, or other considerations which may affect performance of required activities. Any failure by the Contractor to acquaint himself with available information will not relieve him from the responsibility for estimating properly the difficulty or cost of successfully performing the work. The Village is not responsible for any conclusions or interpretations made by the Contractor based on the information made available by the Village.

**D. Regulatory Requirements**

The most recent edition of any relevant regulation, standard, document, or code shall be in effect. Where conflict among the requirements or with these bid documents exists, the most stringent requirements shall be utilized. Reference **Attachment A** for additional regulatory information.

**E. Insurance Requirements**

The Contractor shall purchase and maintain insurance that will protect him and the Village of Bartlett from claims that may arise out of or result from his activities under this Contract, whether those activities are performed by himself or by any Subcontractor or by anyone directly or indirectly employed by any of them or by anyone for whose acts any of them may be liable. Contractor shall state its minimum insurance coverage in its bid submittal. Additional indemnification and insurance requirements are included as *Exhibit I* in **Appendix B**.

**F. Offer**

Pursuant to the Well Abandonment Bid Request, the undersigned offers to furnish all labor, materials and services necessary to complete the well abandonment project of the Owner in strict accordance with all applicable laws and the Contract Documents describing said project for the sum(s) set forth in the Bid offer in the form set forth in Section P below.

If the Owner accepts this bid, the undersigned agrees to furnish all insurance required by the Contract Documents, to enter into and execute an agreement with the Owner containing all the terms, conditions, specifications and other provisions set forth in the Contract Documents, and to accomplish and complete the work in accordance with the Contract Documents.

**G. Illinois Prevailing Wage & Certified Payroll required.** All laborers, workers and mechanics employed by Contractor and/or by any subcontractor(s) performing any Project Work, Repair Work, and/or Warranty Work shall be paid wages (hourly cash wages plus fringe benefits) at rates not less than those required under the Illinois Prevailing Wage Act (820 ILCS 130/01 et seq.) (the "Act") (hereinafter, "Prevailing Wages") for Cook County, the county in which the Project Work will be performed. Contractor and all subcontractor(s) shall comply with all regulations issued pursuant to the Act and other applicable federal, state, and local laws and regulations pertaining to labor standards with the most stringent laws and regulations controlling.

The Contractor shall notify immediately in writing all of its subcontractors, of all changes in the schedule of Prevailing Wages. Contractor shall include in each of its subcontracts a written stipulation that not less than the Prevailing Wages shall be paid

to all laborers, workers, and mechanics performing work under the Contract and shall require each of its sub-subcontractors of every tier to include said stipulation regarding payment of Prevailing Wages. Any increase in costs to the Contractor due to changes in the Prevailing Wages or labor law during the term of any contract and/or sub-contract of any tier shall be at the expense of the Contractor and not at the expense of the Park District. Any change orders shall be computed using the Prevailing Wages applicable at the time the change order work is scheduled to be performed. The Contractor shall be solely responsible to maintain accurate records as required under the Act, and shall be solely liable for paying the difference between Prevailing Wages and any wages actually received by laborers, workers, and/or mechanics engaged in the work and for insuring strict compliance with the requirements of the Act, including but not limited to providing certified payrolls to the Village in strict accordance with the Act using forms and affidavits furnished by IDOL (the "Certified Payrolls"). Notwithstanding the forgoing, said prevailing wage rates are revised by the Illinois Department of Labor (IDOL) from time to time. Contractor is solely responsible for obtaining and paying the applicable revised prevailing rate as determined by the IDOL for the time period in which the work is being performed. Said revised prevailing wage rates are available at IDOL's website:

[Current Prevailing Rates - Conciliation and Mediation Division \(illinois.gov\)](#)

#### **H. Description of Work**

In addition to completion of the Bid form, contractor shall provide:

- **A plan of work and schedule for all well abandonment activities based upon field verified site conditions and quantities.**
- **A list of submittal documents that will be provided upon project completion; and**
- **Insurance information including carrier, policy type, rating, and limits of coverage**

The Contractor shall supply all labor, materials, services, insurance, permits and equipment necessary to carry out the work in accordance with all applicable Federal, State, and Local regulations.

#### **I. Non-Collusion Affidavit**

By submitting its bid, the bidder says that he/it has not, nor has any other member, representative, or agent of the firm, limited liability company, corporation or partnership represented by him or it, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone for this project nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and

that this bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

As required by the Criminal Code, 720 ILCS 5/33E-11, Bidder certifies that it is not barred from contracting with any unit of State or local government as a result of a violation of any criminal statute including, but not limited to, the bid rigging (Section 33E-3) or bid rotating (Section 33E-4) provisions of the Criminal Code. If awarded the contract, the successful bidder/well abandonment contractor thereby restates and reaffirms the same.

Bidder further says that no person or persons, firms or corporation has, have or will receive directly or indirectly, any rebate, fee, gift commission or thing of value on account of such sale.

**J. Bid Due Dates & Submittal Location**

All Bids shall be received by the Village of Bartlett on or before **2PM local time on Monday, May 23, 2022.** Sealed bids shall be clearly marked on the outer envelope with “**Village of Bartlett Municipal Water Well Abandonment Bid**” and be addressed to:

**Village of Bartlett  
Attn: Village Clerk Municipal Water Well Abandonment Bid  
228 S. Main Street  
Bartlett, Illinois 60103**

Bid results will be emailed to responsive bidders following bid evaluation.

**K. Project Schedule & Sequence of Work**

The project is to be performed/completed in the following sequence/schedule:

The Well Abandonment Contractor shall commence work after receipt of Notice to Proceed (NTP). Work shall be completed within 60 days after completion issuance of NTP. Work not completed by these dates will be subject to a stipulated penalty of \$300 per calendar day. Work completion is defined as well abandonment completed, debris removed, site graded, and equipment demobilized.

**L. Scope of Work**

The Well Abandonment Contractor shall complete the following scope of work in accordance with the Contract Documents and applicable, local, state, and federal regulations. Scope of work shall include all areas listed below. The Well Abandonment Contractor, prior to furnishing bids shall determine exact locations and

conditions of each well. The Well Abandonment Contractor shall be responsible for actual conditions present at the facility even if not identified on documents provided to the Well Abandonment Contractor. This is three (3) individual LUMP SUM contracts for well abandonment at the locations identified in **Section A**.

- i) Properly abandon and seal water supply wells at locations identified in the contract documents and located on **Attachment C**. This work shall be completed by an Illinois-licensed Well Driller. The Contractor is responsible for obtaining all permits associated with well abandonment as well as completion of abandonment forms for each well, per Cook and DuPage County requirements.

**VILLAGE OF BARTLETT MUNICIPAL SUPPLY WELL ABANDONMENT**

| WELL NO. | Address                         | County | Depth (ft) | Diameter (in) |
|----------|---------------------------------|--------|------------|---------------|
| 1        | 300 S. Main St.<br>Bartlett, IL | Cook   | 200        | 8             |
| 2        | 300 S. Main St.<br>Bartlett, IL | Cook   | 200        | 8             |
| 5        | 818 Kent Cir.<br>Bartlett, IL   | DuPage | 392        | 16            |
| 8        | 401 Schick Rd.<br>Bartlett, IL  | DuPage | 1,400      | 15            |

**Disposal of debris or surplus**

- i) The Well abandonment Contractor shall comply with 35 Ill. Adm. Code 1100.
- ii) Offsite removal of all well abandonment debris on site, including miscellaneous materials located inside the wells.
- iii) All fees associated with the removal and disposal of the well abandonment debris shall be included in said proposal.
- iv) Any hazardous, special, universal wastes generated by well abandonment shall be managed by Contractor and disposed per Federal, State, local regulations.

- v) Salvage value of recyclable materials shall become property of the Well abandonment Contractor.

**M. JULIE.**

- i) The Well Abandonment Contractor shall comply with the Illinois Underground Utility Facility Damage Prevention Act.

**N. Site Protection**

- i) The Well Abandonment Contractor shall be responsible for site safety and security. Maintenance of existing fence/locked gates shall be the responsibility of the Well Abandonment Contractor until completion of job and demobilization. Contractor shall be responsible for damage to fence caused by contractor's actions.
- ii) Well Abandonment Contractor shall be responsible for repair to damage to adjacent sidewalks, alley, roadways, streetlights, signage, and neighboring properties caused by Well Abandonment Contractor's, and its subcontractor's, equipment and/or actions.

**O. Questions and Clarifications**

Written questions will be accepted until **2:00 pm on May 16, 2022**, to [gdeigan@deiganassociates.com](mailto:gdeigan@deiganassociates.com). Questions will be answered in the form of an addendum issued to all bidders.

**P. Bid Offer**

Water Supply Well 1 & 2 Abandonment Bid Offer:

The undersigned agrees to perform Water Supply Well Abandonment at the location of Well 1 and Well 2 described in **Section A** for the Lump Sum Amount of:

LUMP SUM BID:

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

LUMP SUM Bid Offer includes the two wells located in Cook County described in **Section A**. Contractor Bid is irrevocable for a period of 90 days.

**Contractor Acknowledgment of Bid Amount**

Name of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_ Phone \_\_\_\_\_

Well \_\_\_\_\_ Abandonment \_\_\_\_\_ Company: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_  
Signature of Authorized Representative

Water Supply Well 5 Abandonment Bid Offer:

The undersigned agrees to perform Water Supply Well Abandonment of Well 5 as described in **Section A** for the Lump Sum Amount of:

LUMP SUM BID:  
\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

LUMP SUM Bid Offer includes one well as described in **Section A**. Contractor Bid is irrevocable for a period of 90 days.

**Contractor Acknowledgment of Bid Amount**

Name of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_ Phone \_\_\_\_\_

Well \_\_\_\_\_ Abandonment \_\_\_\_\_ Company: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_  
Signature of Authorized Representative

April 28, 2022  
Instructions to Bidders/Invitation to Bid

Water Supply Well 8 Abandonment Bid Offer:

The undersigned agrees to perform Water Supply Well Abandonment of Well 8 as described in **Section A** for the Lump Sum Amount of:

LUMP SUM BID:

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

LUMP SUM Bid Offer includes one well as described in **Section A**. Contractor Bid is irrevocable for a period of 90 days.

**Contractor Acknowledgment of Bid Amount**

Name of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_ Phone \_\_\_\_\_

Well \_\_\_\_\_ Abandonment \_\_\_\_\_ Company: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_  
Signature of Authorized Representative

The Village of Bartlett reserves the right to reject any or all bids or to waive technicalities and accept or reject any offer based on the determination of the Village's best interest. The Village reserves the right to issue separate contracts to separate bidders for each Lump Sum item described above.

**Enclosures:**

- Special Provisions
- Exhibit I: Village of Bartlett Specifications Governing Compliance with Laws, Indemnification, and Insurance Requirements
- Map of Well Locations to be Abandoned
- Well Abandonment Bid Request Photographs
- Well Logs for Wells to be Abandoned
- Water Well Abandonment Project Agreement

April 28, 2022

Instructions to Bidders/Invitation to Bid

**Q. Acknowledgements**

The undersigned hereby acknowledges receipt of the following along with the Well abandonment Bid Request document.

- a. Special Provisions
- b. Exhibit I: Village of Bartlett Specifications Governing Compliance with Laws, Indemnification, and Insurance Requirements
- c. Map of Well Locations to be Abandoned
- d. Well Abandonment Bid Request Photographs
- e. Well Logs for Wells to be abandoned
- f. Water Well Abandonment Project Agreement

(collectively, the “Contract Documents”).

## **ATTACHMENT A**

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**Applicable Standards and Guidelines Specific Requirements** include, but are not limited to:

- Title 29 Code of Federal Regulations Section  
1910.134 - General Industry Standard for Respiratory Protection.
- Title 29 Code of Federal Regulations Section 1926  
Construction Industry.
- Title 29 Code of Federal Regulations Section 1910.2  
Access to Employee Exposure and Medical Records.
- Title 29 Code of Federal Regulations Section 1910.1200  
Hazard Communication
- U.S. Department of Transportation (DOT)  
Title 49 Code of Federal Regulations Parts 171 and 172,  
Hazardous Substances: Final Rule.
- U.S. Occupational Safety and Health Administration (OSHA)  
Title 29 Code of Federal Regulations

Appendices

Appendix A - Special Provisions

**Village of Bartlett**  
**Municipal Water Well Abandonment**

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**Special Provisions**

1. **Definitions:** Owner or Building Owner — refers to Village of Bartlett. Environmental Manager (EM) or Owner’s Representative refers to Deigan & Associates, LLC as specialized representative of Owner. Contractor refers to the entity that performs work under this Contract.
  
2. **Illinois Prevailing Wage & Certified Payroll required.** All laborers, workers and mechanics employed by Contractor and/or by any subcontractor(s) performing any Project Work, Repair Work, and/or Warranty Work shall be paid wages (hourly cash wages plus fringe benefits) at rates not less than those required under the Illinois Prevailing Wage Act (820 ILCS 130/01 et seq.) (the “Act”) (hereinafter, “Prevailing Wages”) for Cook County, the county in which the Project Work will be performed. Contractor and all subcontractor(s) shall comply with all regulations issued pursuant to the Act and other applicable federal, state, and local laws and regulations pertaining to labor standards with the most stringent laws and regulations controlling.

The Contractor shall notify immediately in writing all of its subcontractors, of all changes in the schedule of Prevailing Wages. Contractor shall include in each of its subcontracts a written stipulation that not less than the Prevailing Wages shall be paid to all laborers, workers, and mechanics performing work under the Contract and shall require each of its sub-subcontractors of every tier to include said stipulation regarding payment of Prevailing Wages. Any increase in costs to the Contractor due to changes in the Prevailing Wages or labor law during the term of any contract and/or sub-contract of any tier shall be at the expense of the Contractor and not at the expense of the Park District. Any change orders shall be computed using the Prevailing Wages applicable at the time the change order work is scheduled to be performed. The Contractor shall be solely responsible to maintain accurate records as required under the Act, and shall be solely liable for paying the difference between Prevailing Wages and any wages actually received by laborers, workers, and/or mechanics engaged in the work and for insuring strict compliance with the requirements of the Act, including but not limited to providing certified payrolls to the Village in strict accordance with the Act using forms and affidavits furnished by IDOL (the “Certified Payrolls”). Notwithstanding the forgoing, said prevailing wage rates are revised by the Illinois Department of Labor (IDOL) from time to time. Contractor is solely responsible for obtaining and paying the applicable revised prevailing rate as determined by the IDOL for the time period in which the work

Date: April 28, 2022

Rev: 0

is being performed. Said revised prevailing wage rates are available at IDOL's website: [Current Prevailing Rates - Conciliation and Mediation Division \(illinois.gov\)](http://www.idol.state.il.us/Current-Prevailing-Rates-Conciliation-and-Mediation-Division)

3. **Schedule of Completion, Sequence/Start Dates and Stipulated Penalties**—The Well Abandonment Contractor shall commence work after issuance of Notice to Proceed (NTP). Work shall be completed within 60 days after issuance of NTP. Work not completed by these dates will be subject to liquidated damages of \$300 per calendar day until the Project Work is completed. Project Work completion is defined as well abandonment completed in strict accordance with the Contract Documents, debris removed, site graded, and equipment demobilized.
4. **Contractor Parking** is only allowed on the property. Contractor shall not impede traffic in any way on the public Right-of-Way.
5. **Protection of property**—Contractor work areas shall be limited to the Property Boundary and approved sidewalk closures. Contractor access beyond these work area limits will be subject to EM review and approval. Trees, streetlights, street signs and power pole shall be protected. Contractor shall be responsible for repair to damage to adjacent sidewalks, alley, roadways, and neighboring properties caused by Contractors equipment and/or actions.
6. **Personal Property Relocation** - Any personal property or building property present in the Contractor work zones shall be relocated or disposed by the Contractor, subject to Owner and EM review/approval.
7. **Management of universal wastes** (mercury lamps, batteries, switches) and hazardous substances or special wastes (PCB ballasts, transformers, etc.) that may be encountered in the Contract work shall be lawfully managed for recycling and/or disposal. These materials shall be properly manifested to the treatment, recycling, and/or disposal destination. All shipments/manifests shall be reviewed by the EM at least 24 hours prior to departure from the project.
8. **Bid Bond** Contractors shall submit with each bid a bid bond reflecting TEN PERCENT (10%) of the total base proposal amount in the form contained in the proposal documents. The bond shall be secured by a certified check, letter of credit, bank draft, bank cashier's check or surety licensed to do business in the State of Illinois. The bond shall be payable without condition to the Village of Bartlett for the same amount. Proposal security deposited by the successful Contractor shall be retained or drawn on as liquidated damages in the event that Contractor fails to deliver fully executed contract documents, performance security, or certificates of insurance to the Village within fourteen (14) calendar days from the date the Village sends the Notice of Award to that Contractor. By

Date: April 28, 2022

Rev: 0

submission of the proposal, the Contractor agrees that the full amount of the proposal bond represents reasonable liquidated damages.

**9. Payment and Performance Bond** Prior to commencement of the Project Work, Well Abandonment Contractor shall furnish the owner with a Performance Bond and a Labor and Material Payment Bond (“Payment Bond”) each in the amount of 110% of the Contract Sum using AIA-312 Forms (2010) or in form otherwise acceptable to the Owner, co-signed by a surety licensed by the Illinois Department of Insurance to issue and sign sureties, which surety shall have a financial strength rating (FSR) of not less than “A-” by A.M. Best Company Inc., Moody’s Investor Service, Standard & Poors Corporation, or similar rating agency, and naming the Village of Bartlett as primary obligee (sometimes collectively referred to herein as the “Performance and Payment Bonds”) to guaranty the performance of the Well Abandonment Contractor’s obligations under the Contract Documents, completion of the Contract, and the payment of all labor and materials furnished for the Project Work, including but not limited to the payment of the above defined Prevailing Wages. The cost of said Performance and Payment Bonds shall be included in the Contract Sum.

**10. Payment.** Payment shall be made in accordance with the requirements and provisions set forth in paragraph 3 of the Water Supply Well Abandonment Project Agreement included in the Municipal Water Well Abandonment Bid Request. Ten Percent (10%) retainage will be withheld on all invoices by the Village until completion of the project.

**11. Types and Limits of Insurance.**

Contractor shall procure and maintain, for the duration of the contract, insurance against claims for injuries to persons or damage to property, which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors. Village of Bartlett Specifications Governing Compliance with Laws, Indemnification, and Insurance Requirements are located in Exhibit I.

Appendices

Appendix B - Exhibit I

## **EXHIBIT I**

---

### **Village of Bartlett Specifications Governing Compliance with Laws, Indemnification, and Insurance Requirements.**

The successful bidder or bidders awarded the Water Supply Well Abandonment Contract (the “Well Abandonment Contractor”) shall:

**1. Comply with All Applicable Laws**

The Well Abandonment Contractor shall comply with all applicable laws, regulations and rules promulgated by any Federal, State, County, Municipal and/or other governmental unit or regulatory body now in effect or which may be in effect during the performance of the work. Included within the scope of the laws, regulations and rules referred to in this paragraph but in no way to operate as a limitation, are all forms of traffic regulations, public utility and Intrastate and Interstate Commerce Commission regulations, Worker's Compensation Laws, Prevailing Wage Laws, the Social Security Act of the Federal Government and any of its titles, FEPC or FEOC statutory provisions and rules and regulations and the Rehabilitation Act of 1973, as amended.

**2. Indemnify the Village of Bartlett**

To the fullest extent permitted by law, the Well Abandonment Contractor shall indemnify, defend and hold harmless the Village of Bartlett, its Village President and Board of Trustees, and its officials, officers, employees, and Deigan & Associates, LLC, and its managers, members, officers and employees (collectively, the “Indemnified Parties”), from and against all injuries, deaths, damage to property, loss, damages, claims, suits, liens, lien rights, liabilities, judgments, costs and expenses, including but not limited to legal defense costs, attorney’s fees, court costs, settlement judgments, prejudgment interest, post judgment interest, whether by direct suit or third parties which may in any way arise directly or indirectly from the Project Work provided hereunder caused in whole or in part by any negligent act and/or omissions of or on behalf of the Well Abandonment Contractor, its employees, contractors, subcontractors of any tier, material suppliers, and/or agents and/or any person and/or entity acting on behalf of any of them and/or anyone directly or indirectly employed by any of them and/or anyone for whose acts and/or omissions any of them may be liable (collectively, “Contractor’s Agents”); except to the extent caused by the active negligence, sole negligence or willful misconduct of the Owner or its Environmental Manager. In the event of any such suit, Well Abandonment Contractor shall at its own expense, appear, defend and pay all charges of attorneys and costs and other expenses arising there from or incurred in connection therewith, and if any judgment shall be rendered against the Indemnified Parties or any of them, in any such action, Well Abandonment Contractor agrees that any bond or insurance protection required herein, or otherwise provided by Well Abandonment Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the Indemnified Parties as herein provided. Well Abandonment Contractor shall similarly protect, indemnify and hold and save harmless the Indemnified Parties against and from any and all claims, costs, causes, actions and expenses including but not limited to attorney’s fees, incurred by reason of Well Abandonment Contractor’s breach of any of its obligations under, or Contractor’s default of, any provision of the Agreement. This obligation shall survive the expiration and/or termination of the Agreement.

3. Provide Insurance

A. General

The Well Abandonment Contractor shall procure and maintain for the duration of, and specifically for this Contract, insurance against claims for injuries to persons or damage to property which may arise from or in connection with the performance of the work hereunder by the Well Abandonment Contractor, its agents, representatives, employees or subcontractors. The cost of such insurance shall be included in the Well Abandonment Contractor's overhead, rates and markups and shall not be compensated on a separate basis.

The Well Abandonment Contractor shall, WITHIN 15 DAYS of execution of its Contract and at least 15 days before commencement of any site work, file with the Owner, a certificate of insurance in the form set forth herein, and copies of the policies covering all its insurance as required herein, and the policy or policies of insurance covering said Owner, the Environmental Manager, and their respective officials, officers, managers, members, agents and employees. Each such policy and certificate shall be satisfactory to the Owner and shall bear an endorsement precluding cancellation, reduction, or change in coverage without giving the Owner at least thirty (30) days prior notice thereof in writing. Nothing that is contained in the insurance requirements shall be construed as limiting the extent of the Well Abandonment Contractor's responsibility for payment of damages resulting from its operations under the Contract.

B. Minimum Scope of Insurance

Coverage shall be at least as broad as and comply with the following:

1. Insurance Services Office Commercial General Liability coverage ("occurrence" for CG 0001 1185) or Insurance Services Office form number GL 0002 (Ed. 1/73) covering Comprehensive General Liability and Insurance Services Office form number GL 0404 covering Broad Form Comprehensive General Liability or the most recent revision.

Please note Endorsement CG 2134 1188, CG 2139 1188 or other such endorsement or policy provision which limits contractual liability shall be deleted in its entirety.

2. Insurance Service Office Business Auto Coverage form number CA 0001 0187 covering Automobile Liability, code 1 "any auto" and endorsement CA 0029 1288 Changes in Business Auto and Truckers Coverage forms - Insured Contract.
3. Workers' Compensation insurance as required by statute and Employers Liability insurance.
4. An Owners and Contractors Protective Liability Coverage will not be required on this PROJECT. However, the contractor's Comprehensive General Liability Insurance shall name the Owner, the Environmental Manager, and each of their respective officials, officers, managers, members, agents, and employees as "added insureds". Language covering the "added insureds" shall be as follows:

**The Village of Bartlett, its President and Board of Trustees, and its officers, officials, employees, volunteers, agents, independent contractors, consultants**

**while working on behalf of the Owner, including, without limitation, Deigan & Associates, LLC, and its managers, members, officers and employees.**

5. Contractor Pollution Liability Insurance.

C. Minimum Limits of Insurance

Well Abandonment Contractor shall maintain limits no less than those limits stated below:

1. General Liability: \$1,000,000 combined single limit per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project using endorsement CG 25 03 11 85 or general aggregate limit shall be twice the required occurrence limit.
2. Automobile Liability: \$1,000,000 combined single limit per accident for bodily injury and property damage including coverages for owned, hired or non-owned vehicles, as applicable.
3. Workers' Compensation and Employers Liability: Workers' compensation limits as required by statute and Employers Liability limits of \$500,000 per accident and \$500,000 per disease.
4. Commercial Comprehensive Catastrophe Umbrella Policy: The Well Abandonment Contractor only must provide this coverage at a minimum of \$2,000,000 per occurrence on the umbrella form. Excess limit policies are not acceptable.
5. Contractor's Pollution Liability Coverage: The Well Abandonment Contractor only shall procure this coverage \$1,000,000 per claim, \$1,000,000 aggregate.

D. Deductibles and Self-Insured Retentions.

Any deductibles or self-insured retentions must be declared to and approved by the Owner. At the option of the Owner, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the Owner, its officers, officials, employees, volunteers and agents; or the Well Abandonment Contractor shall procure a bond guaranteeing payment of losses and related investigations, claims administration and defense expenses.

E. Other Insurance Provisions.

The policies are to contain, or be endorsed to contain, the following provisions, unless modified by Supplemental Provisions in Section 00400:

1. General Liability and Automobile Liability Coverages.
  - (a) The Village, its officers, officials, employees, volunteers and Environmental Manager are to be covered as additional insureds as respects: liability arising out of activities performed by or on behalf of the Well Abandonment Contractor, including the insured's general supervision of the Well Abandonment Contractor; products and

completed operations of the Well Abandonment Contractor; premises owned, occupied or used by the Well Abandonment Contractor; or automobiles owned, leased, hired or borrowed by the Well Abandonment Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the Village, its officers, officials, employees, volunteers, agents or the Environmental Manager. Specific language to be used on the certificate of insurance shall be as follows:

**"The Village of Bartlett, its President and Board of Trustees, and its officials, officers, employees, volunteers, agents, independent contractors, consultants while working on behalf of the Owner, including, without limitation, Deigan & Associates, LLC, and its managers, members, officers and employees.**

(b) The Well Abandonment Contractor's insurance coverage shall be primary insurance as respects the Village, its officers, officials, employees, volunteers, agents or Environmental Manager. Any insurance or self-insurance maintained by the Village, its officers, officials, employees, volunteers, agents or Environmental Manager shall be excess of the Well Abandonment Contractor's insurance and shall not contribute with it.

c) Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Village, its officers, officials, employees, volunteers, agents or the Environmental Manager.

(d) The Well Abandonment Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

2. Workers' Compensation and Employers Liability Coverage.

The insurer shall agree to waive all rights of subrogation against the Village, its officers, officials, employees, volunteers, agents and Environmental Manager for losses arising from work performed by the Well Abandonment Contractor for the Village.

3. All Coverages.

Each insurance policy required by this clause shall not be suspended, voided, canceled by either party, reduced in coverage or in limit except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the Village.

4. Certificate of Insurance Cancellation Provision

If the insurance is written on the Comprehensive General Liability Policy Form, the certificate shall be ACORD 25 Certificate of Insurance. If the insurance is written on the Commercial General Liability Form, the certificate shall be ACORD 25S Certificate of Insurance. The cancellation provision for either the ACORD 25 OR ACORD 25S form shall read as follows:

“Should any of the above described policies be canceled, suspended, voided or the types or amounts of coverage be modified before the expiration date

thereof, the issuing company shall have mailed thirty (30) days prior written notice to the certificate holder named to the left, certified mail return receipt requested”

F. Acceptability of Insurers.

**Insurance** is to be placed with insurers with a **policy holder rating of no less than A- and a financial rating of no less than VII in the latest edition of the A. M. Best Insurance Guide from insurance companies licensed to do business in the State of Illinois.** Each Bidder, if selected, shall list the names of the insurance company or companies that will be providing such insurance, and the A. M. Best's rating thereof, on the Bid Proposal form. Failure to list the Well Abandonment Contractor's insurance company, or companies, shall render the bid non-responsive. In the event any of the Well Abandonment Contractor's insurance carriers do not meet the minimum standards set forth in this Exhibit I, or the minimum amounts and types of coverage required, the Well Abandonment Contractor may in the alternative, provide and Owner and Contractor Protective ("OCP") policy if it provides equal or greater coverage meeting said minimum standards, provided the Contractor states in its Bid Proposal form that it will be providing an OCP policy and list the name of the company and the A. M. Best's rating thereof.

G. Verification of Coverage.

Well Abandonment Contractor shall furnish the Environmental Manager for transmittal to the Owner with certificates of insurance and certified copies of all insurance policies with the original endorsements and policies for the above coverages. The certificates, policies and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. All certificates, policies and endorsements are to be received and approved by the Owner before work commences

H. Subcontractors

The Well Abandonment Contractor shall include all his subcontractors as insureds under its policy or shall furnish separate certificates and endorsements for each subcontractor. All coverage for subcontractors shall be subject to all requirements stated herein.

4. Furnish Affidavits or Certificates

The Well Abandonment Contractor shall furnish any affidavit or certificate in connection with the work covered by this the Agreement as provided by law.

5. Control of Performing Work

The Well Abandonment Contractor shall have full control of the ways and means of performing the work referred to above and that the Well Abandonment Contractor or his/its employees, representatives or subcontractors are in no sense employees of the Village, it being specifically agreed that in respect to the Village, the Well Abandonment Contractor and any party employed by the Well Abandonment Contractor bears the relationship of an independent contractor.

Appendices

Appendix C - Map of Well Locations to be Abandoned



Area Well Locations

Appendices

Appendix D - Well Abandonment Bid Request Photographs

*Bartlett Municipal Well Abandonment*



*Well #1*

*Depth 200 ft*

*300 S. Main Street, Bartlett, IL 60103*



*Wells #1-2*

*Depth 200 ft*

*300 S. Main Street, Bartlett, IL 60103*



*Wells #1-2, electrical panel on left*

*Depth 200 ft*

*300 S. Main Street, Bartlett, IL 60103*



*Well #2*

*Depth 200 ft*

*300 S. Main Street, Bartlett, IL 60103*

*Bartlett Municipal Well Abandonment*



*Well #5  
Depth 392 ft*

*818 Kent Circle, Bartlett, IL 60103*



*Well #5  
Depth 392 ft*

*818 Kent Circle, Bartlett, IL 60103*



*Well #5  
Depth 392 ft*

*818 Kent Circle, Bartlett, IL 60103*



*Well #5  
Depth 392 ft*

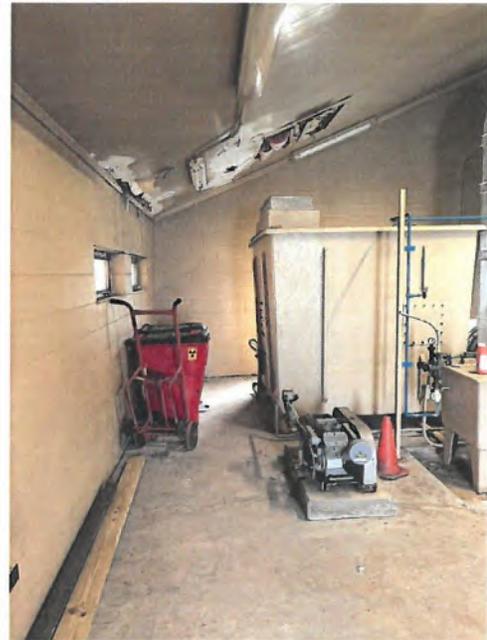
*818 Kent Circle, Bartlett, IL 60103*

*Bartlett Municipal Well Abandonment*



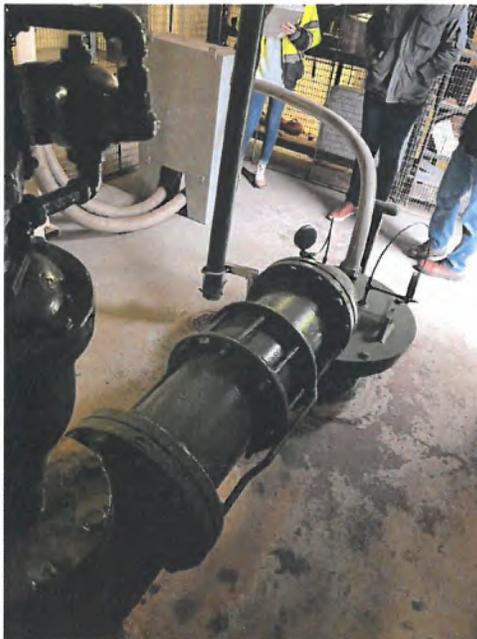
*Well #5  
Wellhouse*

*818 Kent Circle, Bartlett, IL 60103*



*Well #5  
Wellhouse*

*818 Kent Circle, Bartlett, IL 60103*



*Well #8  
Depth 1400 ft*

*401 Schick Road, Bartlett, IL 60103*



*Well #8  
Depth 1400 ft*

*401 Schick Road, Bartlett, IL 60103*

*Bartlett Municipal Well Abandonment*



*Well #8  
Depth 1400 ft*

*401 Schick Road, Bartlett, IL 60103*



*Well #8  
Depth 1400 ft*

*401 Schick Road, Bartlett, IL 60103*



*Well #8  
Depth 1400 ft*

*401 Schick Road, Bartlett, IL 60103*

Appendices

Appendix E - Well Logs for Wells to be Abandoned



LAYNE-WESTERN  
A division of Layne Christensen Company

**SUBMERSIBLE OUTLINE  
STANDARD WELL SEAL CONSTRUCTION**

DATE APRIL 21, 2005

NAME OF CUSTOMER VILLAGE OF BARTLETT

WELL NO. 1

SERIAL NO. \_\_\_\_\_

LAYNE-WESTERN JOB NO. C-9414C

NO. OF UNITS 1

SURFACE PLATE 8" O.D. 0.25" TH'K

FOUNDATION HOLES. STR. c.I. ON \_\_\_\_\_ B.C.

4 " BLK STEEL T & C PIPE

4 " DISCHARGE ELBOW

BOWL ASSEMBLY 230S100-3 / 3 STGS.

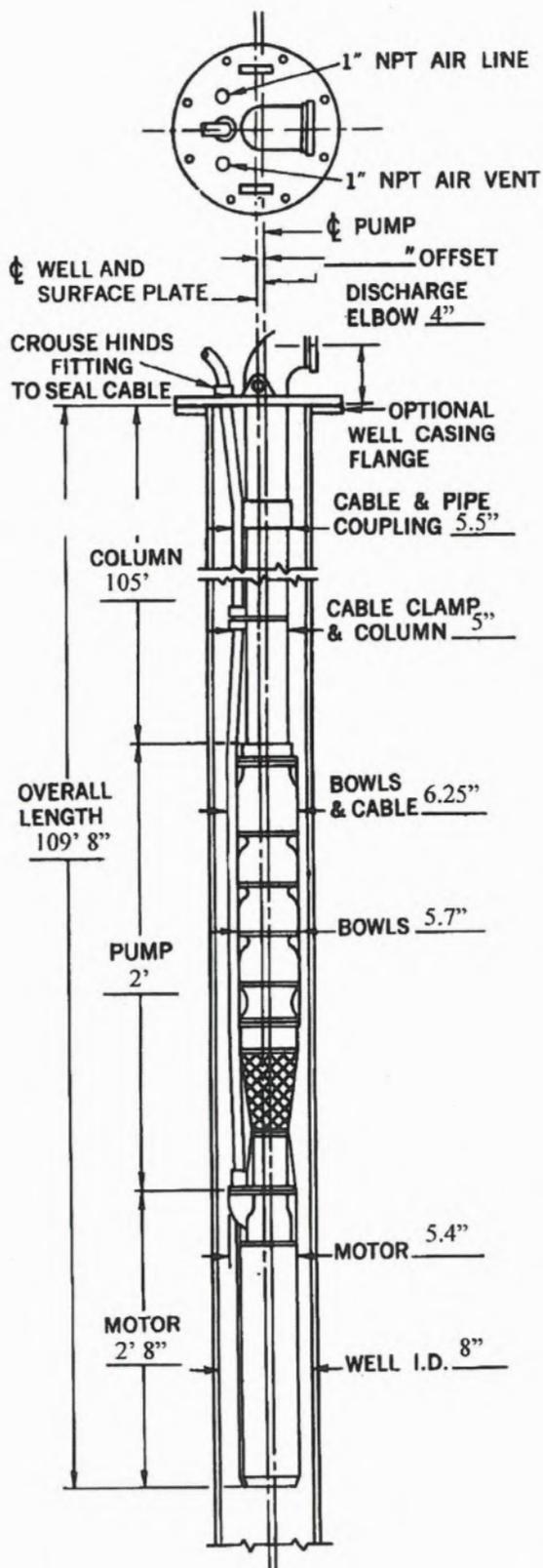
10 HP 3487 RPM FRANKLIN SUBMERSIBLE

6" SIZE 3 PH. 60 HERTZ 208 VOLT

250 GPM 115' TDH

CABLE SIZE #8/3/G VOLTAGE 600 LENGTH 105

REMARKS 4" x 3" swage nipple off 3" bowl discharge and a 4" x 12" nipple of discharge elbow. One positive check installed internally in bowl assembly.



LAYNE-WESTERN  
721 W. ILLINOIS AVENUE, AURORA ILLINOIS 60506  
TEL: 630/897-6941

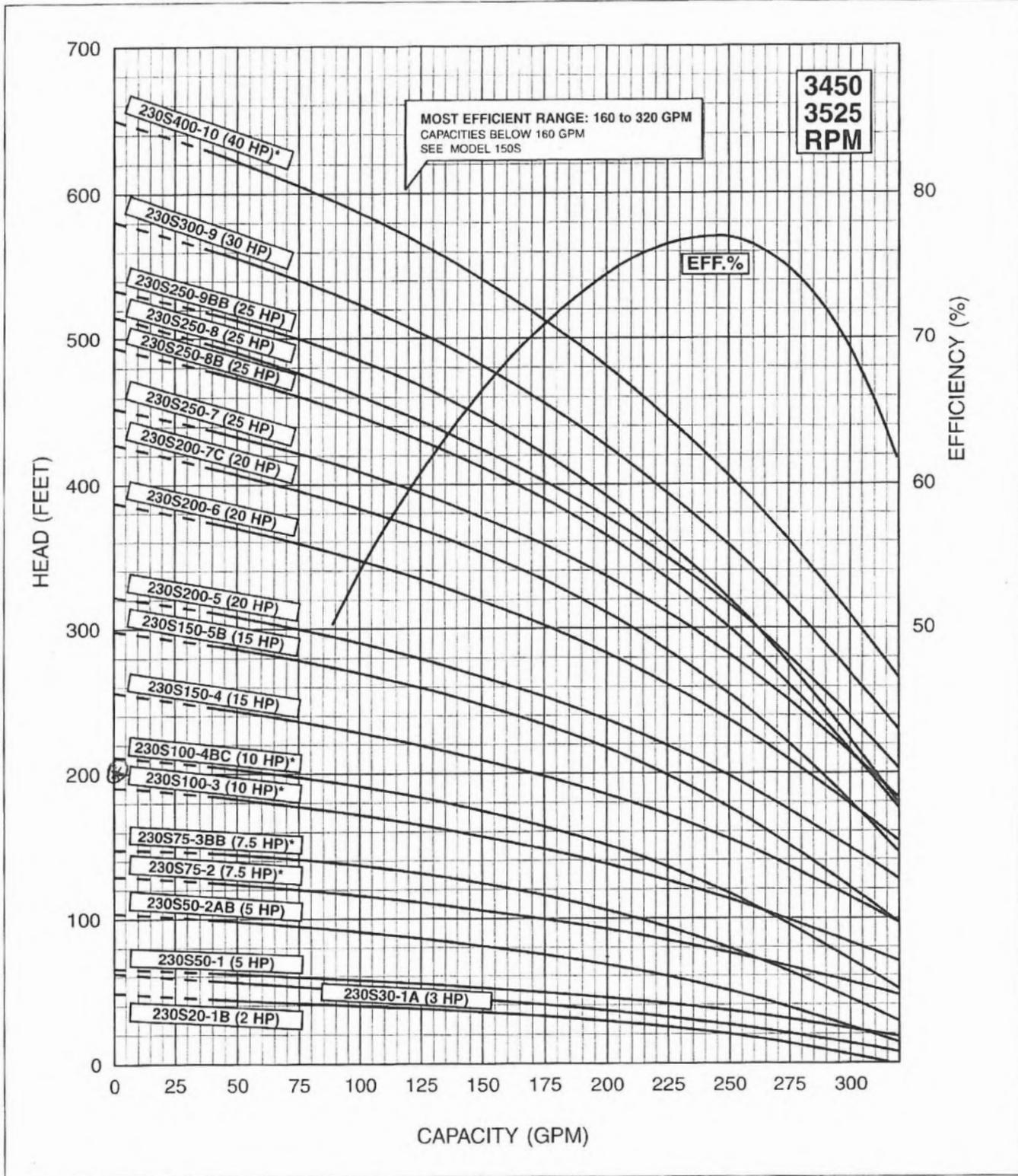




FLOW RANGE: 160 -320 GPM

OUTLET SIZE: 3" NPT

NOMINAL DIA. 6"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

4" MOTOR STANDARD, 7.5 HP/3450 RPM  
6" MOTOR STANDARD, 10-60 HP/3450 RPM.  
8" MOTOR STANDARD, 75 HP/3525 RPM.

\* Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A  
@ 8 ft. min. submergence.

**DIMENSIONS AND WEIGHTS**

| MODEL NO.    | FIG. | HP  | MOTOR SIZE | DISCH. SIZE | DIMENSIONS IN INCHES |       |       |     |     | APPROX. SHIP WT. |
|--------------|------|-----|------------|-------------|----------------------|-------|-------|-----|-----|------------------|
|              |      |     |            |             | A                    | B     | C     | D   | E   |                  |
| 230S20-1B    | A    | 2   | 4"         | 3" NPT      | 29.7                 | 15.1  | 14.6  | 3.8 | 5.7 | 44               |
| 230S30-1A    | A    | 3   | 4"         | 3" NPT      | 38.2                 | 23.6  | 14.6  | 3.8 | 5.7 | 55               |
| 230S50-1     | A    | 5   | 4"         | 3" NPT      | 44.2                 | 29.6  | 14.6  | 3.8 | 5.7 | 65               |
| 230S50-2AB   | A    | 5   | 4"         | 3" NPT      | 48.5                 | 29.6  | 18.9  | 3.8 | 5.7 | 71               |
| 230S75-2     | A    | 7.5 | 4"         | 3" NPT      | 48.5                 | 29.6  | 18.9  | 3.8 | 5.7 | 88               |
| 230S75-2     | A    | 7.5 | 6"         | 3" NPT      | 43.0                 | 24.2  | 18.9  | 5.4 | 5.7 | 124              |
| 230S75-3BB   | A    | 7.5 | 4"         | 3" NPT      | 53.5                 | 29.6  | 23.9  | 3.8 | 5.7 | 96               |
| 230S75-3BB   | A    | 7.5 | 6"         | 3" NPT      | 48.1                 | 24.2  | 23.9  | 5.4 | 5.7 | 96               |
| 230S100-3    | A    | 10  | 4"         | 3" NPT      | 67.8                 | 43.9  | 23.9  | 3.8 | 5.7 | 146              |
| 230S100-3    | A    | 10  | 6"         | 3" NPT      | 49.3                 | 25.4  | 23.9  | 5.4 | 5.7 | 140              |
| 230S100-4BC  | A    | 10  | 4"         | 3" NPT      | 72.3                 | 43.9  | 28.4  | 3.8 | 5.7 | 147              |
| 230S100-4BC  | A    | 10  | 6"         | 3" NPT      | 53.8                 | 25.4  | 28.4  | 5.4 | 5.7 | 147              |
| 230S150-4    | A    | 15  | 6"         | 3" NPT      | 56.4                 | 28.0  | 28.4  | 5.4 | 5.7 | 161              |
| 230S150-5B   | A    | 15  | 6"         | 3" NPT      | 60.8                 | 28.0  | 32.8  | 5.4 | 5.7 | 165              |
| 230S200-5    | A    | 20  | 6"         | 3" NPT      | 63.4                 | 30.6  | 32.8  | 5.4 | 5.7 | 167              |
| 230S200-6    | A    | 20  | 6"         | 3" NPT      | 67.8                 | 30.6  | 37.3  | 5.4 | 5.7 | 186              |
| 230S200-7C   | A    | 20  | 6"         | 3" NPT      | 67.8                 | 30.6  | 37.3  | 5.4 | 5.7 | 202              |
| 230S250-7    | A    | 25  | 6"         | 3" NPT      | 74.9                 | 33.1  | 41.7  | 5.4 | 5.7 | 202              |
| 230S250-8B   | A    | 25  | 6"         | 3" NPT      | 79.3                 | 33.1  | 46.2  | 5.4 | 5.7 | 209              |
| 230S250-8    | A    | 25  | 6"         | 3" NPT      | 79.3                 | 33.1  | 46.2  | 5.4 | 5.7 | 209              |
| 230S250-9BB  | A    | 25  | 6"         | 3" NPT      | 83.8                 | 33.1  | 50.6  | 5.4 | 5.7 | 228              |
| 230S300-9    | A    | 30  | 6"         | 3" NPT      | 86.3                 | 35.7  | 50.6  | 5.4 | 5.7 | 228              |
| 230S400-10*  | A    | 40  | 6"         | 3" NPT      | 95.9                 | 40.81 | 55.1  | 5.4 | 5.7 | 234              |
| 230S400-11*  | A    | 40  | 6"         | 3" NPT      | 100.3                | 40.81 | 59.5  | 5.4 | 5.7 | 273              |
| 230S400-12*  | A    | 40  | 6"         | 3" NPT      | 104.8                | 40.81 | 64.0  | 5.4 | 5.7 | 279              |
| 230S400-13*  | A    | 40  | 6"         | 3" NPT      | 109.2                | 40.81 | 68.4  | 5.4 | 5.7 | 284              |
| 230S500-14*  | A    | 50  | 6"         | 3" NPT      | 130.7                | 57.83 | 72.9  | 5.4 | 5.7 | 388              |
| 230S500-15*  | A    | 50  | 6"         | 3" NPT      | 135.2                | 57.83 | 77.3  | 5.4 | 5.7 | 393              |
| 230S500-16*  | A    | 50  | 6"         | 3" NPT      | 139.6                | 57.83 | 81.8  | 5.4 | 5.7 | 399              |
| 230S600-17*  | A    | 60  | 6"         | 3" NPT      | 151.2                | 63.83 | 87.4  | 5.4 | 5.7 | 438              |
| 230S600-18*  | A    | 60  | 6"         | 3" NPT      | 155.6                | 63.83 | 91.8  | 5.4 | 5.7 | 445              |
| 230S600-19*  | A    | 60  | 6"         | 3" NPT      | 160.1                | 63.83 | 96.3  | 5.4 | 5.7 | 449              |
| 230S600-17   | A    | 60  | 8"         | 3" NPT      | 129.2                | 41.79 | 87.4  | 7.5 | 7.6 | 544              |
| 230S600-18   | A    | 60  | 8"         | 3" NPT      | 133.6                | 41.79 | 91.8  | 7.5 | 7.6 | 551              |
| 230S600-19   | A    | 60  | 8"         | 3" NPT      | 138.0                | 41.79 | 96.3  | 7.5 | 7.6 | 555              |
| 230S750-20** | B    | 75  | 8"         | 4" M-NPT    | 154.7                | 47.41 | 107.3 | 7.5 | 7.6 | 634              |
| 230S750-22** | B    | 75  | 8"         | 4" M-NPT    | 163.6                | 47.41 | 116.2 | 7.5 | 7.6 | 681              |

NOTES: All models suitable for use in 6" wells, unless equipped with 8" motor.

Weights include pump end with motor in lbs.

\* Alternate motor sizes available.

\*\* Built into sleeve, 4" NPT, 8" motor required.

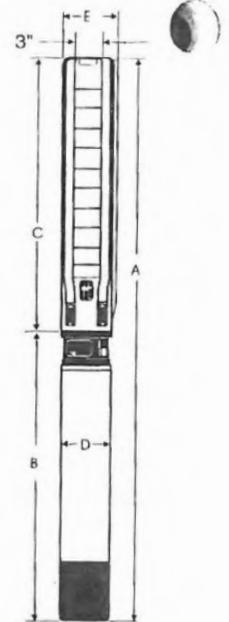


Fig. A

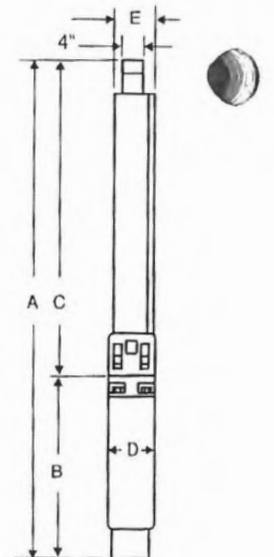


Fig. B

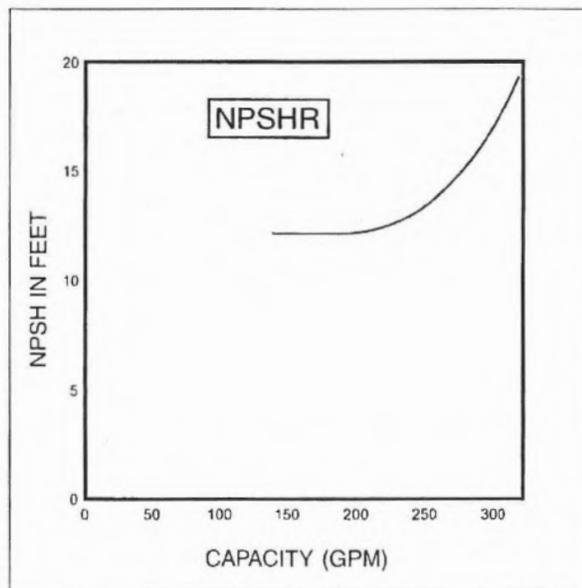
**MATERIALS OF CONSTRUCTION**

| COMPONENT              | CYLINDRICAL SHAFT (2-18 Stgs.) |
|------------------------|--------------------------------|
| Check Valve Housing    | 304 Stainless Steel            |
| Check Valve            | 304 Stainless Steel            |
| Diffuser Chamber       | 304 Stainless Steel            |
| Split Cone Nut         | 304 Stainless Steel            |
| Split Cone             | 304 Stainless Steel            |
| Impeller               | 304 Stainless Steel            |
| Suction Interconnector | 304 Stainless Steel            |
| Inlet Screen           | 304 Stainless Steel            |
| Straps                 | 304 Stainless Steel            |
| Cable Guard            | 304 Stainless Steel            |
| Coupling               | 316/329 Stainless Steel**      |
| Pump Shaft             | 431 Stainless Steel            |
| Intermediate Bearings  | NBR                            |
| Impeller Seal Ring     | NBR/304 Stainless Steel        |
| Check Valve Seat       | NBR/316 Stainless Steel        |
| Top/Lower Bearing      | NBR/316 Stainless Steel        |
| 8" Motor Adaptor Plate | 304 Stainless Steel            |
| Upthrust Washer        | Carbon/Graphite HY22           |
| Upthrust stop ring     | 304 S.S./Tungsten Carbide      |
| Sleeve*                | 304 Stainless Steel            |
| Sleeve Flange*         | 304 Stainless Steel            |

NOTES: Specifications subject to change without notice.

\* Required for 20-22 stage only.

\*\* 4" Coupling made of 316 Stainless Steel.





# Application - Three Phase Motors

Table 24 Three Phase Motor Specifications ( 60 Hz)

| Type   | Motor Model Prefix | Rating |      |       |      |      | Full Load |       | Maximum (S.F. Load) |         | Line to Line Resistance Ohms | Efficiency % |      | Locked Rotor AMPS | KVA Code |
|--------|--------------------|--------|------|-------|------|------|-----------|-------|---------------------|---------|------------------------------|--------------|------|-------------------|----------|
|        |                    | HP     | KW   | Volts | Hz   | S.F. | Amps      | Watts | Amps                | Watts   |                              | S.F.         | F.L. |                   |          |
| 6 Inch | 236650             | 5      | 3.7  | 200   | 60   | 1.15 | 17.5      | 4700  | 19.1                | 5400    | .77-.93                      | 79           | 79   | 99                | H        |
|        | 236600             | 5      | 3.7  | 230   | 60   | 1.15 | 15        | 4700  | 16.6                | 5400    | 1.0-1.2                      | 79           | 79   | 86                | H        |
|        | 236660             | 5      | 3.7  | 380   | 60   | 1.15 | 9.1       | 4700  | 10.3                | 5400    | 2.6-3.2                      | 79           | 79   | 52                | H        |
|        | 236610             | 5      | 3.7  | 460   | 60   | 1.15 | 7.5       | 4700  | 8.8                 | 5400    | 3.9-4.8                      | 79           | 79   | 43                | H        |
|        | 236620             | 5      | 3.7  | 575   | 60   | 1.15 | 6         | 4700  | 6.6                 | 5400    | 6.3-7.7                      | 79           | 79   | 34                | H        |
|        | 236651             | 7 1/2  | 5.5  | 200   | 60   | 1.15 | 25.1      | 7000  | 28.3                | 8000    | .43-.53                      | 80           | 80   | 150               | H        |
|        | 236601             | 7 1/2  | 5.5  | 230   | 60   | 1.15 | 21.8      | 7000  | 24.6                | 8000    | .64-.78                      | 80           | 80   | 130               | H        |
|        | 236661             | 7 1/2  | 5.5  | 380   | 60   | 1.15 | 13.4      | 7000  | 15                  | 8000    | 1.6-2.1                      | 80           | 80   | 79                | H        |
|        | 236611             | 7 1/2  | 5.5  | 460   | 60   | 1.15 | 10.9      | 7000  | 12.3                | 8000    | 2.4-2.9                      | 80           | 80   | 65                | H        |
|        | 236621             | 7.5    | 5.5  | 575   | 60   | 1.15 | 8.7       | 7000  | 9.8                 | 8000    | 3.7-4.6                      | 80           | 80   | 52                | H        |
|        | 236652             | 10     | 7.5  | 200   | 60   | 1.15 | 32.7      | 9400  | 37                  | 10800   | .37-.45                      | 79           | 79   | 198               | H        |
|        | 236602             | 10     | 7.5  | 230   | 60   | 1.15 | 28.4      | 9400  | 32.2                | 10800   | .47-.57                      | 79           | 79   | 172               | H        |
|        | 236662             | 10     | 7.5  | 380   | 60   | 1.15 | 17.6      | 9400  | 19.6                | 10800   | 1.2-1.5                      | 79           | 79   | 104               | H        |
|        | 236612             | 10     | 7.5  | 460   | 60   | 1.15 | 14.2      | 9400  | 16.1                | 10800   | 1.9-2.4                      | 79           | 79   | 86                | H        |
|        | 236622             | 10     | 7.5  | 575   | 60   | 1.15 | 11.4      | 9400  | 12.9                | 10800   | 3.0-3.7                      | 79           | 79   | 69                | H        |
|        | 236653             | 15     | 11   | 200   | 60   | 1.15 | 47.8      | 13700 | 54.4                | 15800   | .24-.29                      | 81           | 81   | 306               | H        |
|        | 236603             | 15     | 11   | 230   | 60   | 1.15 | 41.6      | 13700 | 47.4                | 15800   | .28-.35                      | 81           | 81   | 266               | H        |
|        | 236663             | 15     | 11   | 380   | 60   | 1.15 | 25.2      | 13700 | 28.9                | 15800   | .77-.95                      | 81           | 81   | 161               | H        |
|        | 236613             | 15     | 11   | 460   | 60   | 1.15 | 20.8      | 13700 | 23.7                | 15800   | 1.1-1.4                      | 81           | 81   | 133               | H        |
|        | 236623             | 15     | 11   | 575   | 60   | 1.15 | 16.7      | 13700 | 19                  | 15800   | 1.8-2.3                      | 81           | 81   | 106               | H        |
|        | 236654             | 20     | 15   | 200   | 60   | 1.15 | 61.9      | 18100 | 69.7                | 20900   | .16-.20                      | 82           | 82   | 416               | J        |
|        | 236604             | 20     | 15   | 230   | 60   | 1.15 | 53.8      | 18100 | 60.6                | 20900   | .22-.26                      | 82           | 82   | 362               | J        |
|        | 236664             | 20     | 15   | 380   | 60   | 1.15 | 33        | 18100 | 37.3                | 20900   | .55-.68                      | 82           | 82   | 219               | J        |
|        | 236614             | 20     | 15   | 460   | 60   | 1.15 | 26.9      | 18100 | 30.3                | 20900   | .8-1.0                       | 82           | 82   | 181               | J        |
|        | 236624             | 20     | 15   | 575   | 60   | 1.15 | 21.5      | 18100 | 24.4                | 20900   | 1.3-1.6                      | 82           | 82   | 145               | J        |
|        | 236655             | 25     | 18.5 | 200   | 60   | 1.15 | 77.1      | 22500 | 86.3                | 25700   | .12-.15                      | 83           | 83   | 552               | J        |
|        | 236605             | 25     | 18.5 | 230   | 60   | 1.15 | 67        | 22500 | 75                  | 25700   | .15-.19                      | 83           | 83   | 480               | J        |
|        | 236665             | 25     | 18.5 | 380   | 60   | 1.15 | 41        | 22500 | 46                  | 25700   | .46-.56                      | 83           | 83   | 291               | J        |
|        | 236615             | 25     | 18.5 | 460   | 60   | 1.15 | 33.5      | 22500 | 37.5                | 25700   | .63-.77                      | 83           | 83   | 240               | J        |
|        | 236625             | 25     | 18.5 | 575   | 60   | 1.15 | 26.8      | 22500 | 30                  | 25700   | 1.0-1.3                      | 83           | 83   | 192               | J        |
| 236656 | 30                 | 22     | 200  | 60    | 1.15 | 90.9 | 26900     | 104   | 31100               | .09-.11 | 83                           | 83           | 653  | J                 |          |
| 236606 | 30                 | 22     | 230  | 60    | 1.15 | 79   | 26900     | 90.4  | 31100               | .14-.17 | 83                           | 83           | 568  | J                 |          |
| 236666 | 30                 | 22     | 380  | 60    | 1.15 | 48.8 | 26900     | 55.4  | 31100               | .35-.43 | 83                           | 83           | 317  | J                 |          |
| 236616 | 30                 | 22     | 460  | 60    | 1.15 | 39.5 | 26900     | 45.2  | 31100               | .52-.64 | 83                           | 83           | 284  | J                 |          |
| 236626 | 30                 | 22     | 575  | 60    | 1.15 | 31.6 | 26900     | 36.2  | 31100               | .78-.95 | 83                           | 83           | 227  | J                 |          |
| 236667 | 40                 | 30     | 380  | 60    | 1.15 | 66.5 | 35600     | 74.6  | 42400               | .26-.33 | 83                           | 83           | 481  | J                 |          |
| 236617 | 40                 | 30     | 460  | 60    | 1.15 | 53.5 | 35600     | 62    | 42400               | .34-.42 | 83                           | 83           | 397  | J                 |          |
| 236627 | 40                 | 30     | 575  | 60    | 1.15 | 42.8 | 35600     | 49.6  | 42400               | .52-.64 | 83                           | 83           | 318  | H                 |          |
| 236668 | 50                 | 37     | 380  | 60    | 1.15 | 83.5 | 45100     | 95    | 52200               | .21-.25 | 82                           | 83           | 501  | H                 |          |
| 236618 | 50                 | 37     | 460  | 60    | 1.15 | 67.7 | 45100     | 77    | 52200               | .25-.32 | 82                           | 83           | 414  | H                 |          |
| 236628 | 50                 | 37     | 575  | 60    | 1.15 | 54.2 | 45100     | 61.6  | 52200               | .40-.49 | 82                           | 83           | 331  | H                 |          |
| 236669 | 60                 | 45     | 380  | 60    | 1.15 | 98.7 | 53500     | 111   | 61700               | .15-.18 | 84                           | 84           | 627  | H                 |          |
| 236619 | 60                 | 45     | 460  | 60    | 1.15 | 80.5 | 53500     | 91    | 61700               | .22-.27 | 84                           | 84           | 518  | H                 |          |
| 236629 | 60                 | 45     | 575  | 60    | 1.15 | 64.4 | 53500     | 72.8  | 61700               | .35-.39 | 84                           | 84           | 414  | H                 |          |

Model numbers are three lead motors. Six lead motors with different model numbers have the same running performance, but when wye connected for starting have locked rotor amps 33% of the values shown. Six lead individual phase resistance = table X 1.5.



# Application - Three Phase Motors

Table 25 Three Phase Motor Fuse sizing

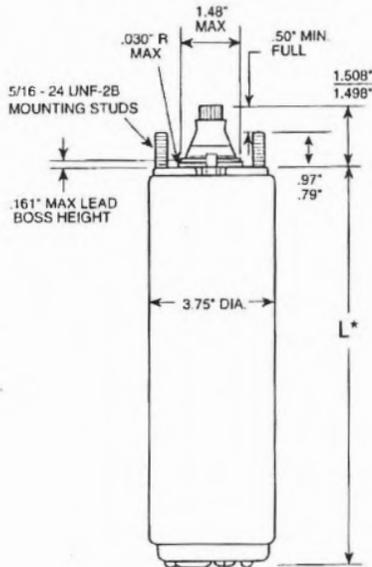
| Type      | Motor Model Prefix | Rating |      |       | Circuit Breakers or Fuse Amps |                              |                 | Circuit Breakers or Fuse Amps |                              |                 |
|-----------|--------------------|--------|------|-------|-------------------------------|------------------------------|-----------------|-------------------------------|------------------------------|-----------------|
|           |                    |        |      |       | (Maximum per NEC)             |                              |                 | Typical Submersible           |                              |                 |
|           |                    | HP     | KW   | Volts | Standard Fuse                 | Dual Element Time Delay Fuse | Circuit Breaker | Standard Fuse                 | Dual Element Time Delay Fuse | Circuit Breaker |
| 6<br>Inch | 236650             | 5      | 3.7  | 200   | 60                            | 35                           | 45              | 50                            | 25                           | 45              |
|           | 236600             | 5      | 3.7  | 230   | 45                            | 30                           | 40              | 45                            | 20                           | 40              |
|           | 236660             | 5      | 3.7  | 380   | 30                            | 20                           | 25              | 30                            | 11                           | 25              |
|           | 236610             | 5      | 3.7  | 460   | 25                            | 15                           | 20              | 25                            | 10                           | 20              |
|           | 236620             | 5      | 3.7  | 575   | 20                            | 15                           | 15              | 20                            | 8                            | 20              |
|           | 236651             | 7 1/2  | 5.5  | 200   | 80                            | 45                           | 70              | 80                            | 35                           | 70              |
|           | 236601             | 7 1/2  | 5.5  | 230   | 70                            | 40                           | 60              | 70                            | 30                           | 60              |
|           | 236661             | 7 1/2  | 5.5  | 380   | 45                            | 25                           | 35              | 40                            | 20                           | 35              |
|           | 236611             | 7 1/2  | 5.5  | 460   | 35                            | 20                           | 30              | 35                            | 15                           | 30              |
|           | 236621             | 7.5    | 5.5  | 575   | 30                            | 20                           | 25              | 25                            | 11                           | 25              |
|           | 236652             | 10     | 7.5  | 200   | 100                           | 60                           | 90              | 100                           | 45                           | 90              |
|           | 236602             | 10     | 7.5  | 230   | 90                            | 60                           | 80              | 90                            | 40                           | 80              |
|           | 236662             | 10     | 7.5  | 380   | 60                            | 35                           | 45              | 50                            | 25                           | 45              |
|           | 236612             | 10     | 7.5  | 460   | 45                            | 30                           | 40              | 45                            | 20                           | 40              |
|           | 236622             | 10     | 7.5  | 575   | 35                            | 25                           | 30              | 35                            | 15                           | 30              |
|           | 236653             | 15     | 11   | 200   | 150                           | 90                           | 125             | 150                           | 60                           | 125             |
|           | 236603             | 15     | 11   | 230   | 150                           | 80                           | 110             | 125                           | 60                           | 110             |
|           | 236663             | 15     | 11   | 380   | 80                            | 45                           | 70              | 80                            | 35                           | 70              |
|           | 236613             | 15     | 11   | 460   | 70                            | 40                           | 60              | 60                            | 30                           | 60              |
|           | 236623             | 15     | 11   | 575   | 60                            | 30                           | 45              | 50                            | 25                           | 45              |
|           | 236654             | 20     | 15   | 200   | 200                           | 110                          | 175             | 175                           | 80                           | 175             |
|           | 236604             | 20     | 15   | 230   | 175                           | 100                          | 150             | 175                           | 70                           | 150             |
|           | 236664             | 20     | 15   | 380   | 100                           | 60                           | 90              | 100                           | 45                           | 90              |
|           | 236614             | 20     | 15   | 460   | 90                            | 50                           | 70              | 80                            | 35                           | 70              |
|           | 236624             | 20     | 15   | 575   | 70                            | 40                           | 60              | 70                            | 30                           | 60              |
|           | 236655             | 25     | 18.5 | 200   | 250                           | 150                          | 200             | 225                           | 100                          | 200             |
|           | 236605             | 25     | 18.5 | 230   | 225                           | 125                          | 175             | 200                           | 90                           | 175             |
|           | 236665             | 25     | 18.5 | 380   | 125                           | 80                           | 110             | 125                           | 50                           | 110             |
|           | 236615             | 25     | 18.5 | 460   | 110                           | 60                           | 90              | 100                           | 45                           | 90              |
|           | 236625             | 25     | 18.5 | 575   | 90                            | 50                           | 70              | 80                            | 35                           | 70              |
|           | 236656             | 30     | 22   | 200   | 300                           | 175                          | 250             | 300                           | 125                          | 250             |
|           | 236606             | 30     | 22   | 230   | 250                           | 150                          | 225             | 250                           | 100                          | 200             |
| 236666    | 30                 | 22     | 380  | 150   | 90                            | 125                          | 150             | 60                            | 125                          |                 |
| 236616    | 30                 | 22     | 460  | 125   | 80                            | 110                          | 125             | 50                            | 100                          |                 |
| 236626    | 30                 | 22     | 575  | 100   | 60                            | 90                           | 100             | 40                            | 80                           |                 |
| 236667    | 40                 | 30     | 380  | 200   | 125                           | 175                          | 200             | 90                            | 175                          |                 |
| 236617    | 40                 | 30     | 460  | 175   | 100                           | 150                          | 175             | 70                            | 150                          |                 |
| 236627    | 40                 | 30     | 575  | 150   | 80                            | 110                          | 125             | 60                            | 110                          |                 |
| 236668    | 50                 | 37     | 380  | 250   | 150                           | 225                          | 250             | 110                           | 225                          |                 |
| 236618    | 50                 | 37     | 460  | 225   | 125                           | 175                          | 200             | 90                            | 175                          |                 |
| 236628    | 50                 | 37     | 575  | 175   | 100                           | 150                          | 175             | 70                            | 150                          |                 |
| 236669    | 60                 | 45     | 380  | 300   | 175                           | 250                          | 300             | 125                           | 250                          |                 |
| 236619    | 60                 | 45     | 460  | 250   | 150                           | 225                          | 250             | 100                           | 225                          |                 |
| 236629    | 60                 | 45     | 575  | 200   | 125                           | 175                          | 200             | 80                            | 175                          |                 |



# Installation - All Motors

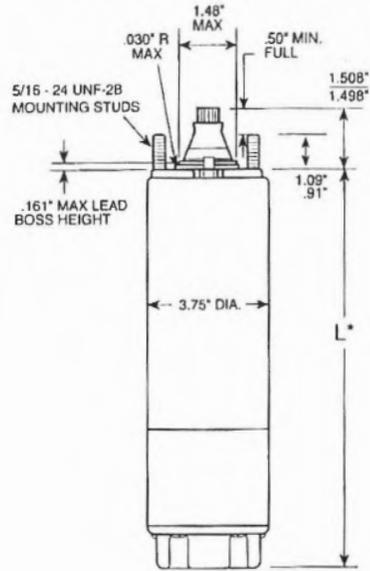
## 4" Super Stainless — Dimensions

(Standard Water Well)



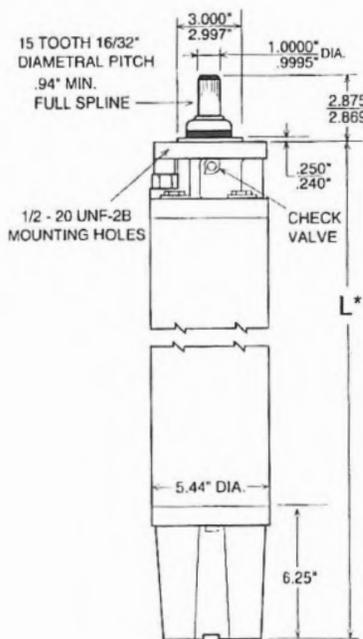
## 4" High Thrust — Dimensions

(Standard Water Well)



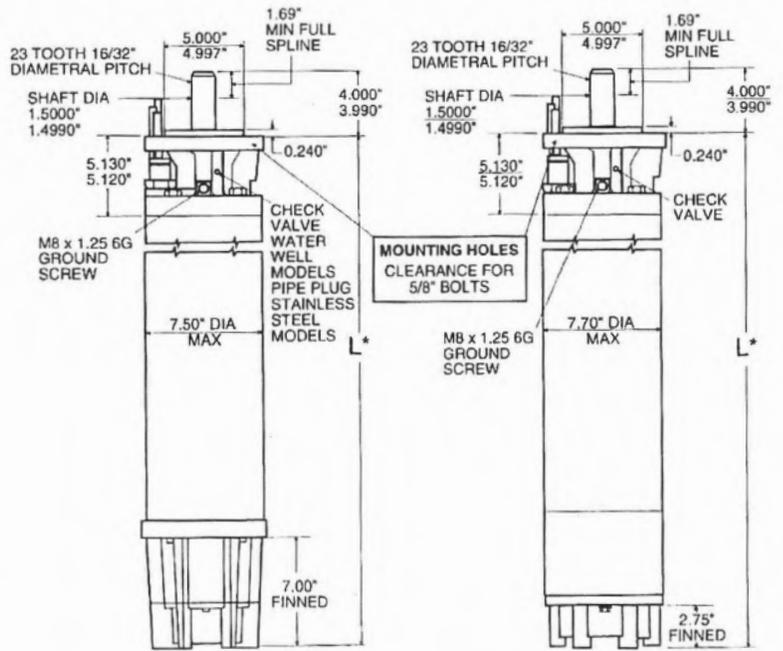
## 6" — Dimensions

(Standard Water Well)



## 8" — Dimensions

(Standard Water Well)



40 to 100 HP

125 to 200 HP

\* Motor lengths and shipping weights are available on Franklin Electric's web page ([www.franklin-electric.com](http://www.franklin-electric.com)) or by calling Franklin's submersible hotline (800-348-2420).



LAYNE-WESTERN  
A division of Layne Christensen Company

**SUBMERSIBLE OUTLINE  
STANDARD WELL SEAL CONSTRUCTION**

DATE APRIL 21, 2005

NAME OF CUSTOMER VILLAGE OF BARTLETT

WELL NO. Bartlett Well #2

SERIAL NO. \_\_\_\_\_

LAYNE-WESTERN JOB NO. C-9414C

NO. OF UNITS 1

SURFACE PLATE 8" O.D. 0.25" TH'K

FOUNDATION HOLES STR.c.l. ON \_\_\_\_\_ B.C.

4" BLK STEEL T & C PIPE

4" DISCHARGE ELBOW

BOWL ASSEMBLY 230S100-3 / 3 STGS.

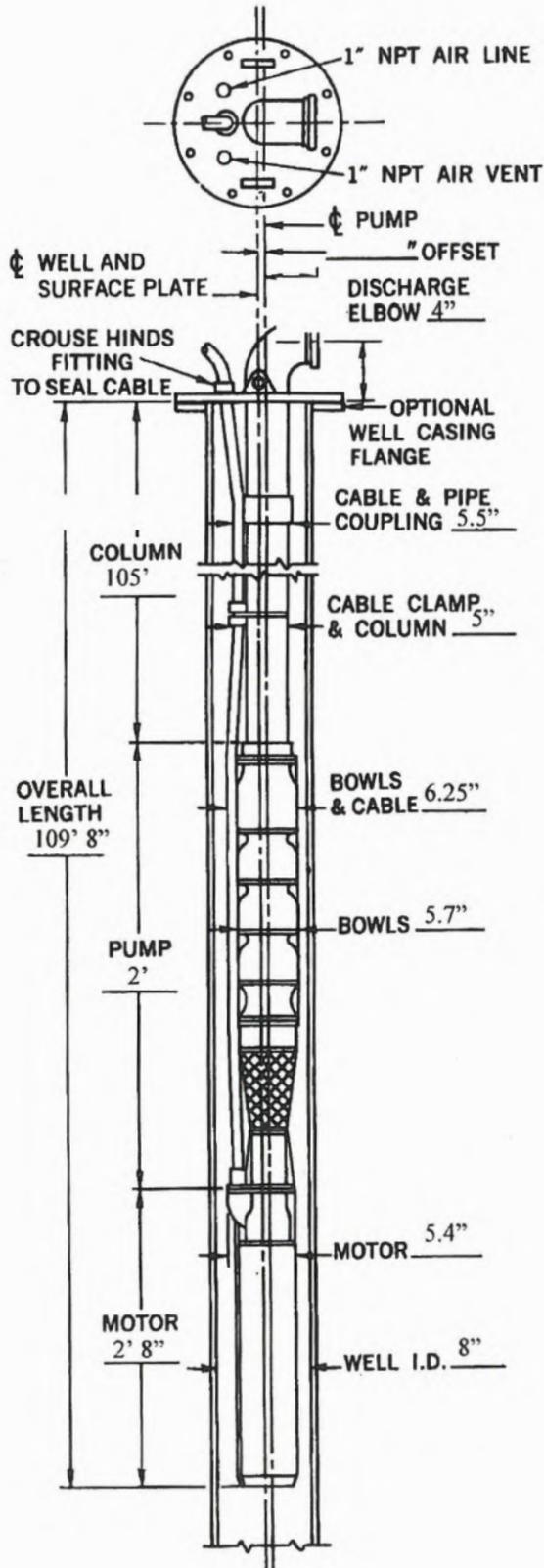
10 HP 3487 RPM FRANKLIN SUBMERSIBLE

6" SIZE 3 PH. 60 HERTZ 208 VOLT

250 GPM 115' TDH

CABLE SIZE #8/3/G VOLTAGE 600 LENGTH 105

REMARKS 4" x 3" swage nipple off 3" bowl discharge and a 4" x 12" nipple of discharge elbow. One positive check installed internally in bowl assembly.



LAYNE-WESTERN  
721 W. ILLINOIS AVENUE, AURORA ILLINOIS 60506  
TEL: 630/897-6941

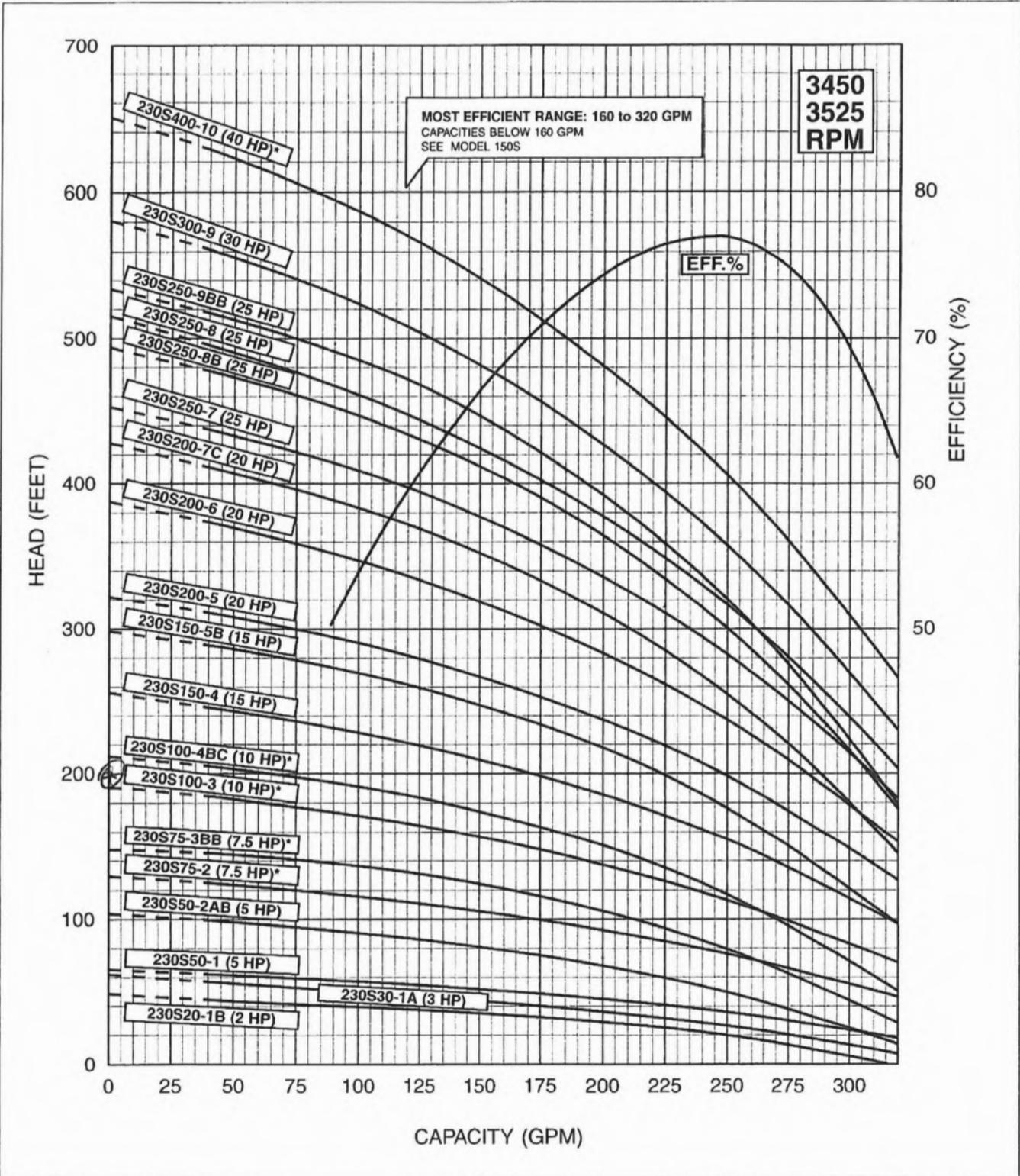




FLOW RANGE: 160 -320 GPM

OUTLET SIZE: 3" NPT

NOMINAL DIA. 6"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

4" MOTOR STANDARD, 7.5 HP/3450 RPM  
6" MOTOR STANDARD, 10-60 HP/3450 RPM.  
8" MOTOR STANDARD, 75 HP/3525 RPM.

\* Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A @ 8 ft. min. submergence.

**DIMENSIONS AND WEIGHTS**

| MODEL NO.    | FIG. | HP  | MOTOR SIZE | DISCH. SIZE | DIMENSIONS IN INCHES |       |       |     |     | APPROX. SHIP WT. |
|--------------|------|-----|------------|-------------|----------------------|-------|-------|-----|-----|------------------|
|              |      |     |            |             | A                    | B     | C     | D   | E   |                  |
| 230S20-1B    | A    | 2   | 4"         | 3" NPT      | 29.7                 | 15.1  | 14.6  | 3.8 | 5.7 | 44               |
| 230S30-1A    | A    | 3   | 4"         | 3" NPT      | 38.2                 | 23.6  | 14.6  | 3.8 | 5.7 | 55               |
| 230S50-1     | A    | 5   | 4"         | 3" NPT      | 44.2                 | 29.6  | 14.6  | 3.8 | 5.7 | 65               |
| 230S50-2AB   | A    | 5   | 4"         | 3" NPT      | 48.5                 | 29.6  | 18.9  | 3.8 | 5.7 | 71               |
| 230S75-2     | A    | 7.5 | 4"         | 3" NPT      | 48.5                 | 29.6  | 18.9  | 3.8 | 5.7 | 88               |
| 230S75-2     | A    | 7.5 | 6"         | 3" NPT      | 43.0                 | 24.2  | 18.9  | 5.4 | 5.7 | 124              |
| 230S75-3BB   | A    | 7.5 | 4"         | 3" NPT      | 53.5                 | 29.6  | 23.9  | 3.8 | 5.7 | 96               |
| 230S75-3BB   | A    | 7.5 | 6"         | 3" NPT      | 48.1                 | 24.2  | 23.9  | 5.4 | 5.7 | 96               |
| 230S100-3    | A    | 10  | 4"         | 3" NPT      | 67.8                 | 43.9  | 23.9  | 3.8 | 5.7 | 146              |
| 230S100-3    | A    | 10  | 6"         | 3" NPT      | 49.3                 | 25.4  | 23.9  | 5.4 | 5.7 | 140              |
| 230S100-4BC  | A    | 10  | 4"         | 3" NPT      | 72.3                 | 43.9  | 28.4  | 3.8 | 5.7 | 147              |
| 230S100-4BC  | A    | 10  | 6"         | 3" NPT      | 53.8                 | 25.4  | 28.4  | 5.4 | 5.7 | 147              |
| 230S150-4    | A    | 15  | 6"         | 3" NPT      | 56.4                 | 28.0  | 28.4  | 5.4 | 5.7 | 161              |
| 230S150-5B   | A    | 15  | 6"         | 3" NPT      | 60.8                 | 28.0  | 32.8  | 5.4 | 5.7 | 165              |
| 230S200-5    | A    | 20  | 6"         | 3" NPT      | 63.4                 | 30.6  | 32.8  | 5.4 | 5.7 | 167              |
| 230S200-6    | A    | 20  | 6"         | 3" NPT      | 67.8                 | 30.6  | 37.3  | 5.4 | 5.7 | 186              |
| 230S200-7C   | A    | 20  | 6"         | 3" NPT      | 67.8                 | 30.6  | 37.3  | 5.4 | 5.7 | 202              |
| 230S250-7    | A    | 25  | 6"         | 3" NPT      | 74.9                 | 33.1  | 41.7  | 5.4 | 5.7 | 202              |
| 230S250-8B   | A    | 25  | 6"         | 3" NPT      | 79.3                 | 33.1  | 46.2  | 5.4 | 5.7 | 209              |
| 230S250-8    | A    | 25  | 6"         | 3" NPT      | 79.3                 | 33.1  | 46.2  | 5.4 | 5.7 | 209              |
| 230S250-9BB  | A    | 25  | 6"         | 3" NPT      | 83.8                 | 33.1  | 50.6  | 5.4 | 5.7 | 228              |
| 230S300-9    | A    | 30  | 6"         | 3" NPT      | 86.3                 | 35.7  | 50.6  | 5.4 | 5.7 | 228              |
| 230S400-10*  | A    | 40  | 6"         | 3" NPT      | 95.9                 | 40.81 | 55.1  | 5.4 | 5.7 | 234              |
| 230S400-11*  | A    | 40  | 6"         | 3" NPT      | 100.3                | 40.81 | 59.5  | 5.4 | 5.7 | 273              |
| 230S400-12*  | A    | 40  | 6"         | 3" NPT      | 104.8                | 40.81 | 64.0  | 5.4 | 5.7 | 279              |
| 230S400-13*  | A    | 40  | 6"         | 3" NPT      | 109.2                | 40.81 | 68.4  | 5.4 | 5.7 | 284              |
| 230S500-14*  | A    | 50  | 6"         | 3" NPT      | 130.7                | 57.83 | 72.9  | 5.4 | 5.7 | 388              |
| 230S500-15*  | A    | 50  | 6"         | 3" NPT      | 135.2                | 57.83 | 77.3  | 5.4 | 5.7 | 393              |
| 230S500-16*  | A    | 50  | 6"         | 3" NPT      | 139.6                | 57.83 | 81.8  | 5.4 | 5.7 | 399              |
| 230S600-17*  | A    | 60  | 6"         | 3" NPT      | 151.2                | 63.83 | 87.4  | 5.4 | 5.7 | 438              |
| 230S600-18*  | A    | 60  | 6"         | 3" NPT      | 155.6                | 63.83 | 91.8  | 5.4 | 5.7 | 445              |
| 230S600-19*  | A    | 60  | 6"         | 3" NPT      | 160.1                | 63.83 | 96.3  | 5.4 | 5.7 | 449              |
| 230S600-17   | A    | 60  | 8"         | 3" NPT      | 129.2                | 41.79 | 87.4  | 7.5 | 7.6 | 544              |
| 230S600-18   | A    | 60  | 8"         | 3" NPT      | 133.6                | 41.79 | 91.8  | 7.5 | 7.6 | 551              |
| 230S600-19   | A    | 60  | 8"         | 3" NPT      | 138.0                | 41.79 | 96.3  | 7.5 | 7.6 | 555              |
| 230S750-20** | B    | 75  | 8"         | 4" M-NPT    | 154.7                | 47.41 | 107.3 | 7.5 | 7.6 | 634              |
| 230S750-22** | B    | 75  | 8"         | 4" M-NPT    | 163.6                | 47.41 | 116.2 | 7.5 | 7.6 | 681              |

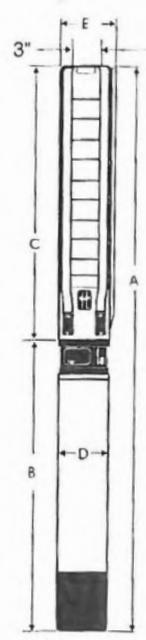


Fig. A

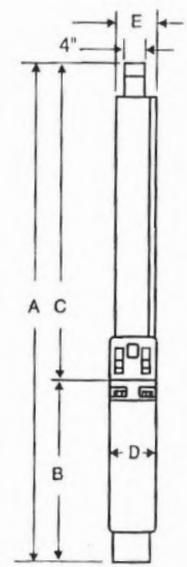


Fig. B

NOTES: All models suitable for use in 6" wells, unless equipped with 8" motor.  
 Weights include pump end with motor in lbs.  
 \* Alternate motor sizes available.  
 \*\* Built into sleeve, 4" NPT, 8" motor required.

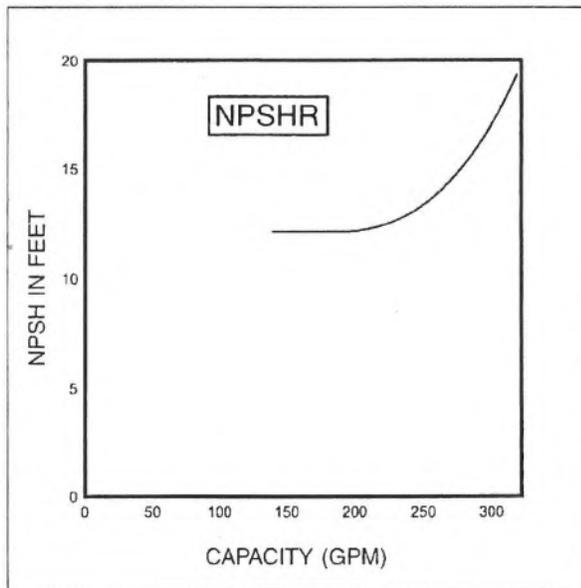
**MATERIALS OF CONSTRUCTION**

| COMPONENT              | CYLINDRICAL SHAFT (2-18 Stgs.) |
|------------------------|--------------------------------|
| Check Valve Housing    | 304 Stainless Steel            |
| Check Valve            | 304 Stainless Steel            |
| Diffuser Chamber       | 304 Stainless Steel            |
| Split Cone Nut         | 304 Stainless Steel            |
| Split Cone             | 304 Stainless Steel            |
| Impeller               | 304 Stainless Steel            |
| Suction Interconnector | 304 Stainless Steel            |
| Inlet Screen           | 304 Stainless Steel            |
| Straps                 | 304 Stainless Steel            |
| Cable Guard            | 304 Stainless Steel            |
| Coupling               | 316/329 Stainless Steel**      |
| Pump Shaft             | 431 Stainless Steel            |
| Intermediate Bearings  | NBR                            |
| Impeller Seal Ring     | NBR/304 Stainless Steel        |
| Check Valve Seat       | NBR/316 Stainless Steel        |
| Top/Lower Bearing      | NBR/316 Stainless Steel        |
| 8" Motor Adaptor Plate | 304 Stainless Steel            |
| Upthrust Washer        | Carbon/Graphite HY22           |
| Upthrust stop ring     | 304 S.S./Tungsten Carbide      |
| Sleeve*                | 304 Stainless Steel            |
| Sleeve Flange*         | 304 Stainless Steel            |

NOTES: Specifications subject to change without notice.

\* Required for 20-22 stage only.

\*\* 4" Coupling made of 316 Stainless Steel.





# Application - Three Phase Motors

Table 24 Three Phase Motor Specifications ( 60 Hz)

| Type   | Motor Model Prefix | Rating |      |       |      | Full Load |       | Maximum (S.F. Load) |       | Line to Line Resistance Ohms | Efficiency % |      | Locked Rotor AMPS | KVA Code |      |
|--------|--------------------|--------|------|-------|------|-----------|-------|---------------------|-------|------------------------------|--------------|------|-------------------|----------|------|
|        |                    | HP     | KW   | Volts | Hz   | S.F.      | Amps  | Watts               | Amps  |                              | Watts        | S.F. |                   |          | F.L. |
| 6 Inch | 236650             | 5      | 3.7  | 200   | 60   | 1.15      | 17.5  | 4700                | 19.1  | 5400                         | .77-.93      | 79   | 79                | 99       | H    |
|        | 236600             | 5      | 3.7  | 230   | 60   | 1.15      | 15    | 4700                | 16.6  | 5400                         | 1.0-1.2      | 79   | 79                | 86       | H    |
|        | 236660             | 5      | 3.7  | 380   | 60   | 1.15      | 9.1   | 4700                | 10.3  | 5400                         | 2.6-3.2      | 79   | 79                | 52       | H    |
|        | 236610             | 5      | 3.7  | 460   | 60   | 1.15      | 7.5   | 4700                | 8.8   | 5400                         | 3.9-4.8      | 79   | 79                | 43       | H    |
|        | 236620             | 5      | 3.7  | 575   | 60   | 1.15      | 6     | 4700                | 6.6   | 5400                         | 6.3-7.7      | 79   | 79                | 34       | H    |
|        | 236651             | 7 1/2  | 5.5  | 200   | 60   | 1.15      | 25.1  | 7000                | 28.3  | 8000                         | .43-.53      | 80   | 80                | 150      | H    |
|        | 236601             | 7 1/2  | 5.5  | 230   | 60   | 1.15      | 21.8  | 7000                | 24.6  | 8000                         | .64-.78      | 80   | 80                | 130      | H    |
|        | 236661             | 7 1/2  | 5.5  | 380   | 60   | 1.15      | 13.4  | 7000                | 15    | 8000                         | 1.6-2.1      | 80   | 80                | 79       | H    |
|        | 236611             | 7 1/2  | 5.5  | 460   | 60   | 1.15      | 10.9  | 7000                | 12.3  | 8000                         | 2.4-2.9      | 80   | 80                | 65       | H    |
|        | 236621             | 7.5    | 5.5  | 575   | 60   | 1.15      | 8.7   | 7000                | 9.8   | 8000                         | 3.7-4.6      | 80   | 80                | 52       | H    |
|        | 236652             | 10     | 7.5  | 200   | 60   | 1.15      | 32.7  | 9400                | 37    | 10800                        | .37-.45      | 79   | 79                | 198      | H    |
|        | 236602             | 10     | 7.5  | 230   | 60   | 1.15      | 28.4  | 9400                | 32.2  | 10800                        | .47-.57      | 79   | 79                | 172      | H    |
|        | 236662             | 10     | 7.5  | 380   | 60   | 1.15      | 17.6  | 9400                | 19.6  | 10800                        | 1.2-1.5      | 79   | 79                | 104      | H    |
|        | 236612             | 10     | 7.5  | 460   | 60   | 1.15      | 14.2  | 9400                | 16.1  | 10800                        | 1.9-2.4      | 79   | 79                | 86       | H    |
|        | 236622             | 10     | 7.5  | 575   | 60   | 1.15      | 11.4  | 9400                | 12.9  | 10800                        | 3.0-3.7      | 79   | 79                | 69       | H    |
|        | 236653             | 15     | 11   | 200   | 60   | 1.15      | 47.8  | 13700               | 54.4  | 15800                        | .24-.29      | 81   | 81                | 306      | H    |
|        | 236603             | 15     | 11   | 230   | 60   | 1.15      | 41.6  | 13700               | 47.4  | 15800                        | .28-.35      | 81   | 81                | 266      | H    |
|        | 236663             | 15     | 11   | 380   | 60   | 1.15      | 25.2  | 13700               | 28.9  | 15800                        | .77-.95      | 81   | 81                | 161      | H    |
|        | 236613             | 15     | 11   | 460   | 60   | 1.15      | 20.8  | 13700               | 23.7  | 15800                        | 1.1-1.4      | 81   | 81                | 133      | H    |
|        | 236623             | 15     | 11   | 575   | 60   | 1.15      | 16.7  | 13700               | 19    | 15800                        | 1.8-2.3      | 81   | 81                | 106      | H    |
|        | 236654             | 20     | 15   | 200   | 60   | 1.15      | 61.9  | 18100               | 69.7  | 20900                        | .16-.20      | 82   | 82                | 416      | J    |
|        | 236604             | 20     | 15   | 230   | 60   | 1.15      | 53.8  | 18100               | 60.6  | 20900                        | .22-.26      | 82   | 82                | 362      | J    |
|        | 236664             | 20     | 15   | 380   | 60   | 1.15      | 33    | 18100               | 37.3  | 20900                        | .56-.68      | 82   | 82                | 219      | J    |
|        | 236614             | 20     | 15   | 460   | 60   | 1.15      | 28.9  | 18100               | 30.3  | 20900                        | .8-1.0       | 82   | 82                | 181      | J    |
|        | 236624             | 20     | 15   | 575   | 60   | 1.15      | 21.5  | 18100               | 24.4  | 20900                        | 1.3-1.6      | 82   | 82                | 145      | J    |
|        | 236655             | 25     | 18.5 | 200   | 60   | 1.15      | 77.1  | 22500               | 86.3  | 25700                        | .12-.15      | 83   | 83                | 552      | J    |
|        | 236605             | 25     | 18.5 | 230   | 60   | 1.15      | 67    | 22500               | 75    | 25700                        | .15-.19      | 83   | 83                | 480      | J    |
|        | 236665             | 25     | 18.5 | 380   | 60   | 1.15      | 41    | 22500               | 46    | 25700                        | .46-.56      | 83   | 83                | 291      | J    |
|        | 236615             | 25     | 18.5 | 460   | 60   | 1.15      | 33.5  | 22500               | 37.5  | 25700                        | .63-.77      | 83   | 83                | 240      | J    |
|        | 236625             | 25     | 18.5 | 575   | 60   | 1.15      | 26.8  | 22500               | 30    | 25700                        | 1.0-1.3      | 83   | 83                | 192      | J    |
|        | 236656             | 30     | 22   | 200   | 60   | 1.15      | 90.9  | 26900               | 104   | 31100                        | .09-.11      | 83   | 83                | 653      | J    |
|        | 236606             | 30     | 22   | 230   | 60   | 1.15      | 79    | 26900               | 90.4  | 31100                        | .14-.17      | 83   | 83                | 568      | J    |
| 236666 | 30                 | 22     | 380  | 60    | 1.15 | 48.8      | 26900 | 55.4                | 31100 | .35-.43                      | 83           | 83   | 317               | J        |      |
| 236616 | 30                 | 22     | 460  | 60    | 1.15 | 39.5      | 26900 | 45.2                | 31100 | .52-.64                      | 83           | 83   | 284               | J        |      |
| 236626 | 30                 | 22     | 575  | 60    | 1.15 | 31.6      | 26900 | 36.2                | 31100 | .78-.95                      | 83           | 83   | 227               | J        |      |
| 236657 | 40                 | 30     | 380  | 60    | 1.15 | 66.5      | 35600 | 74.6                | 42400 | .26-.33                      | 83           | 83   | 481               | J        |      |
| 236617 | 40                 | 30     | 460  | 60    | 1.15 | 53.5      | 35600 | 62                  | 42400 | .34-.42                      | 83           | 83   | 397               | J        |      |
| 236627 | 40                 | 30     | 575  | 60    | 1.15 | 42.8      | 35600 | 49.6                | 42400 | .52-.64                      | 83           | 83   | 318               | H        |      |
| 236668 | 50                 | 37     | 380  | 60    | 1.15 | 83.5      | 45100 | 95                  | 52200 | .21-.25                      | 82           | 83   | 501               | H        |      |
| 236618 | 50                 | 37     | 460  | 60    | 1.15 | 67.7      | 45100 | 77                  | 52200 | .25-.32                      | 82           | 83   | 414               | H        |      |
| 236628 | 50                 | 37     | 575  | 60    | 1.15 | 54.2      | 45100 | 61.6                | 52200 | .40-.49                      | 82           | 83   | 331               | H        |      |
| 236669 | 60                 | 45     | 380  | 60    | 1.15 | 98.7      | 53500 | 111                 | 61700 | .15-.18                      | 84           | 84   | 627               | H        |      |
| 236619 | 60                 | 45     | 460  | 60    | 1.15 | 80.5      | 53500 | 91                  | 61700 | .22-.27                      | 84           | 84   | 518               | H        |      |
| 236629 | 60                 | 45     | 575  | 60    | 1.15 | 64.4      | 53500 | 72.8                | 61700 | .35-.39                      | 84           | 84   | 414               | H        |      |

Model numbers are three lead motors. Six lead motors with different model numbers have the same running performance, but when wye connected for starting have locked rotor amps 33% of the values shown. Six lead individual phase resistance = table X 1.5.



# Application - Three Phase Motors

**Table 25 Three Phase Motor Fuse sizing**

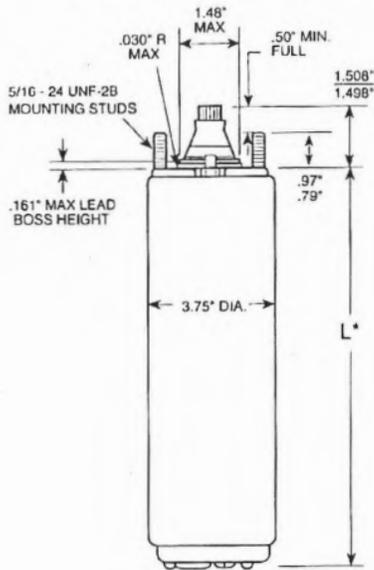
| Type      | Motor Model Prefix | Rating |      |       | Circuit Breakers or Fuse Amps |                              |                 | Circuit Breakers or Fuse Amps |                              |                 |
|-----------|--------------------|--------|------|-------|-------------------------------|------------------------------|-----------------|-------------------------------|------------------------------|-----------------|
|           |                    |        |      |       | (Maximum per NEC)             |                              |                 | Typical Submersible           |                              |                 |
|           |                    | HP     | KW   | Volts | Standard Fuse                 | Dual Element Time Delay Fuse | Circuit Breaker | Standard Fuse                 | Dual Element Time Delay Fuse | Circuit Breaker |
| 6<br>Inch | 236650             | 5      | 3.7  | 200   | 60                            | 35                           | 45              | 50                            | 25                           | 45              |
|           | 236600             | 5      | 3.7  | 230   | 45                            | 30                           | 40              | 45                            | 20                           | 40              |
|           | 236660             | 5      | 3.7  | 380   | 30                            | 20                           | 25              | 30                            | 11                           | 25              |
|           | 236610             | 5      | 3.7  | 460   | 25                            | 15                           | 20              | 25                            | 10                           | 20              |
|           | 236620             | 5      | 3.7  | 575   | 20                            | 15                           | 15              | 20                            | 8                            | 20              |
|           | 236651             | 7 1/2  | 5.5  | 200   | 80                            | 45                           | 70              | 80                            | 35                           | 70              |
|           | 236601             | 7 1/2  | 5.5  | 230   | 70                            | 40                           | 60              | 70                            | 30                           | 60              |
|           | 236661             | 7 1/2  | 5.5  | 380   | 45                            | 25                           | 35              | 40                            | 20                           | 35              |
|           | 236611             | 7 1/2  | 5.5  | 460   | 35                            | 20                           | 30              | 35                            | 15                           | 30              |
|           | 236621             | 7.5    | 5.5  | 575   | 30                            | 20                           | 25              | 25                            | 11                           | 25              |
|           | 236652             | 10     | 7.5  | 200   | 100                           | 60                           | 90              | 100                           | 45                           | 90              |
|           | 236602             | 10     | 7.5  | 230   | 90                            | 60                           | 80              | 90                            | 40                           | 80              |
|           | 236662             | 10     | 7.5  | 380   | 60                            | 35                           | 45              | 50                            | 25                           | 45              |
|           | 236612             | 10     | 7.5  | 460   | 45                            | 30                           | 40              | 45                            | 20                           | 40              |
|           | 236622             | 10     | 7.5  | 575   | 35                            | 25                           | 30              | 35                            | 15                           | 30              |
|           | 236653             | 15     | 11   | 200   | 150                           | 90                           | 125             | 150                           | 60                           | 125             |
|           | 236603             | 15     | 11   | 230   | 150                           | 80                           | 110             | 125                           | 60                           | 110             |
|           | 236663             | 15     | 11   | 380   | 80                            | 45                           | 70              | 80                            | 35                           | 70              |
|           | 236613             | 15     | 11   | 460   | 70                            | 40                           | 60              | 60                            | 30                           | 60              |
|           | 236623             | 15     | 11   | 575   | 60                            | 30                           | 45              | 50                            | 25                           | 45              |
|           | 236654             | 20     | 15   | 200   | 200                           | 110                          | 175             | 175                           | 80                           | 175             |
|           | 236604             | 20     | 15   | 230   | 175                           | 100                          | 150             | 175                           | 70                           | 150             |
|           | 236664             | 20     | 15   | 380   | 100                           | 60                           | 90              | 100                           | 45                           | 90              |
|           | 236614             | 20     | 15   | 460   | 90                            | 50                           | 70              | 80                            | 35                           | 70              |
|           | 236624             | 20     | 15   | 575   | 70                            | 40                           | 60              | 70                            | 30                           | 60              |
|           | 236655             | 25     | 18.5 | 200   | 250                           | 150                          | 200             | 225                           | 100                          | 200             |
|           | 236605             | 25     | 18.5 | 230   | 225                           | 125                          | 175             | 200                           | 90                           | 175             |
|           | 236665             | 25     | 18.5 | 380   | 125                           | 80                           | 110             | 125                           | 50                           | 110             |
|           | 236615             | 25     | 18.5 | 460   | 110                           | 60                           | 90              | 100                           | 45                           | 90              |
|           | 236625             | 25     | 18.5 | 575   | 90                            | 50                           | 70              | 80                            | 35                           | 70              |
|           | 236656             | 30     | 22   | 200   | 300                           | 175                          | 250             | 300                           | 125                          | 250             |
|           | 236606             | 30     | 22   | 230   | 250                           | 150                          | 225             | 250                           | 100                          | 200             |
| 236666    | 30                 | 22     | 380  | 150   | 90                            | 125                          | 150             | 60                            | 125                          |                 |
| 236616    | 30                 | 22     | 460  | 125   | 80                            | 110                          | 125             | 50                            | 100                          |                 |
| 236626    | 30                 | 22     | 575  | 100   | 60                            | 90                           | 100             | 40                            | 80                           |                 |
| 236667    | 40                 | 30     | 380  | 200   | 125                           | 175                          | 200             | 90                            | 175                          |                 |
| 236617    | 40                 | 30     | 460  | 175   | 100                           | 150                          | 175             | 70                            | 150                          |                 |
| 236627    | 40                 | 30     | 575  | 150   | 80                            | 110                          | 125             | 60                            | 110                          |                 |
| 236668    | 50                 | 37     | 380  | 250   | 150                           | 225                          | 250             | 110                           | 225                          |                 |
| 236618    | 50                 | 37     | 460  | 225   | 125                           | 175                          | 200             | 90                            | 175                          |                 |
| 236628    | 50                 | 37     | 575  | 175   | 100                           | 150                          | 175             | 70                            | 150                          |                 |
| 236669    | 60                 | 45     | 380  | 300   | 175                           | 250                          | 300             | 125                           | 250                          |                 |
| 236619    | 60                 | 45     | 460  | 250   | 150                           | 225                          | 250             | 100                           | 225                          |                 |
| 236629    | 60                 | 45     | 575  | 200   | 125                           | 175                          | 200             | 80                            | 175                          |                 |



# Installation - All Motors

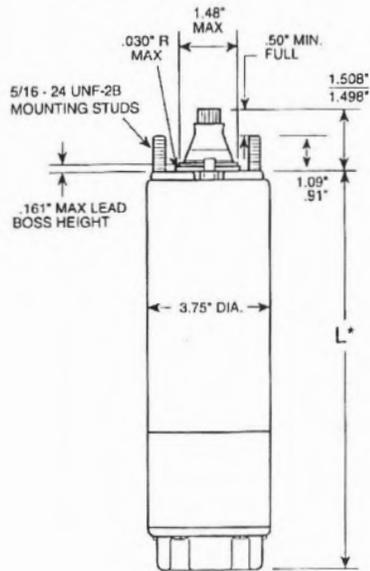
## 4" Super Stainless — Dimensions

(Standard Water Well)



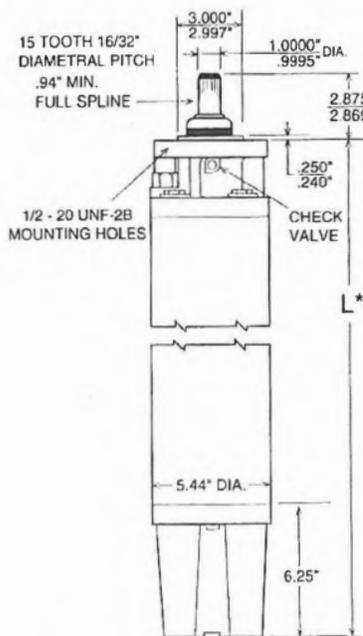
## 4" High Thrust — Dimensions

(Standard Water Well)



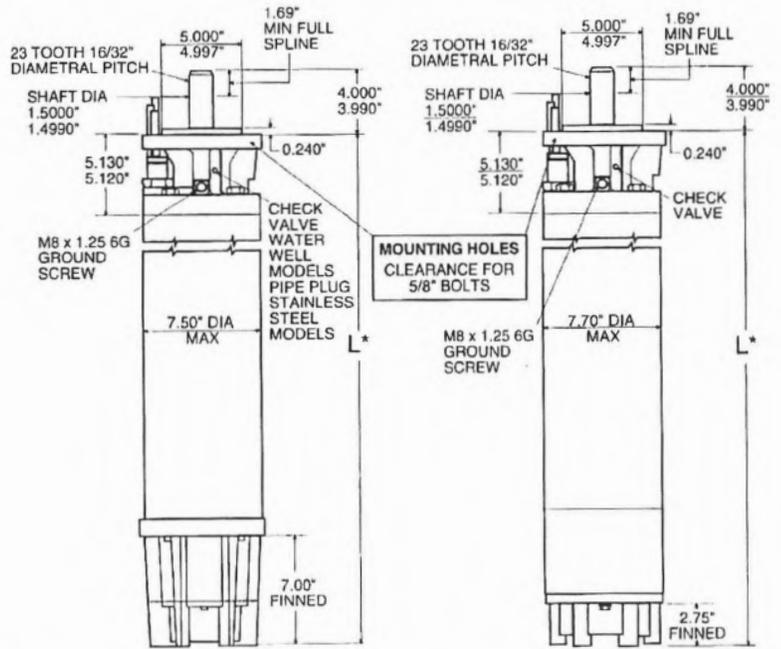
## 6" — Dimensions

(Standard Water Well)



## 8" — Dimensions

(Standard Water Well)



40 to 100 HP

125 to 200 HP

\* Motor lengths and shipping weights are available on Franklin Electric's web page ([www.franklin-electric.com](http://www.franklin-electric.com)) or by calling Franklin's submersible hotline (800-348-2420).

MODEL  
**225S**

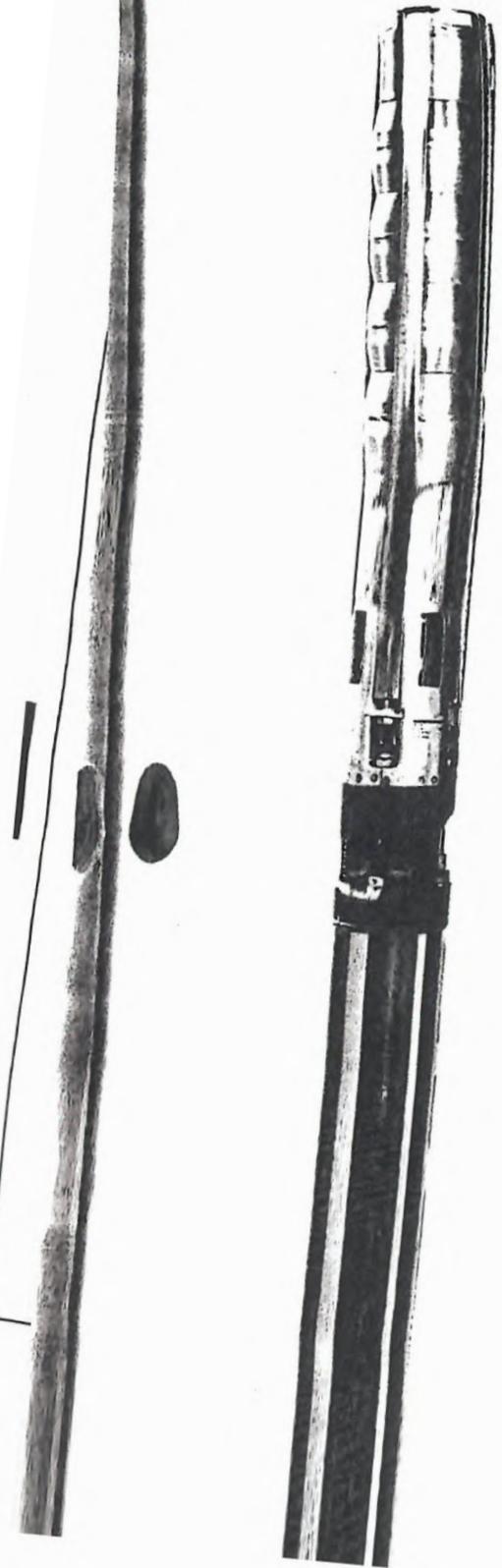
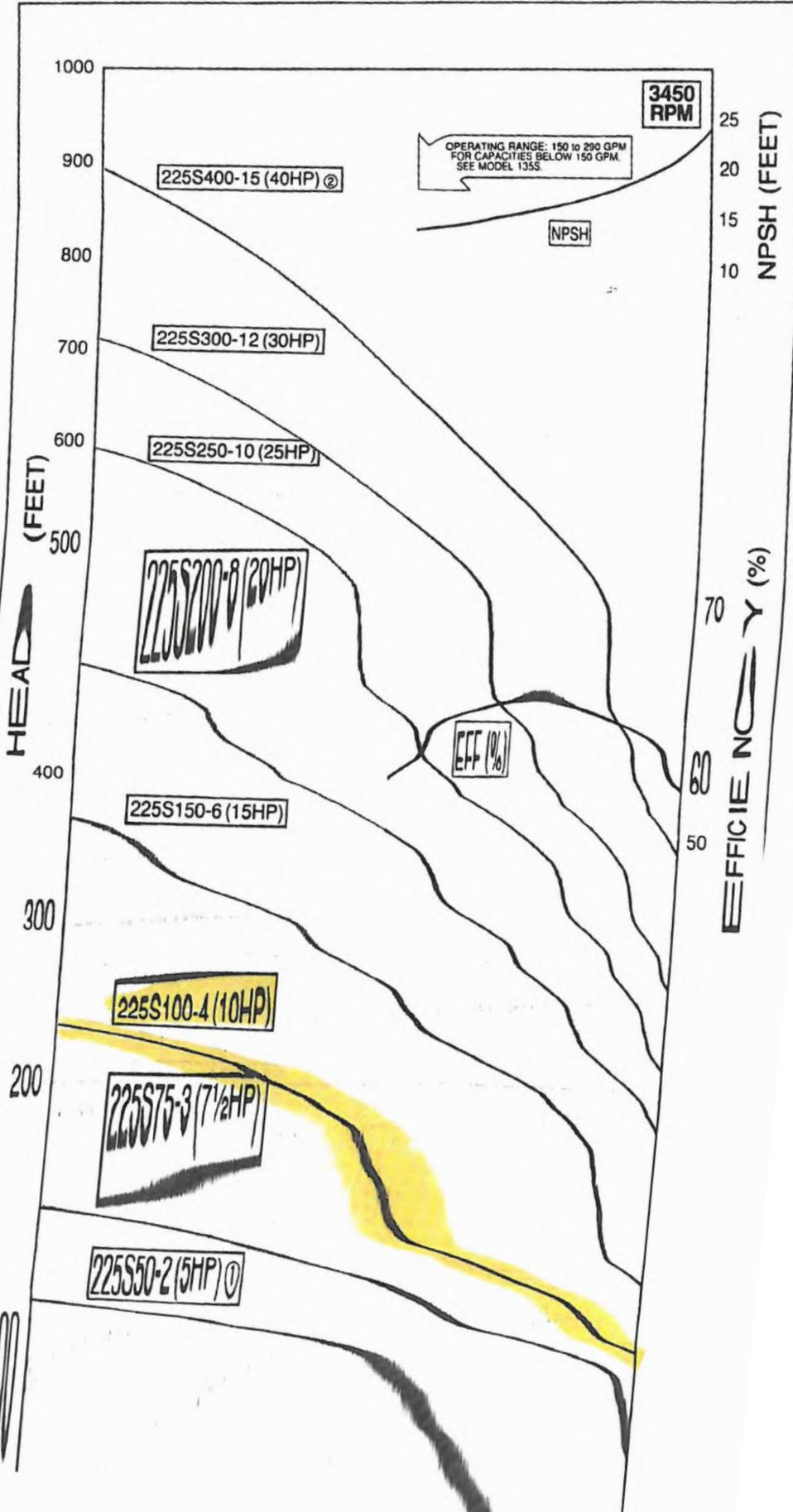
**225 GPM**

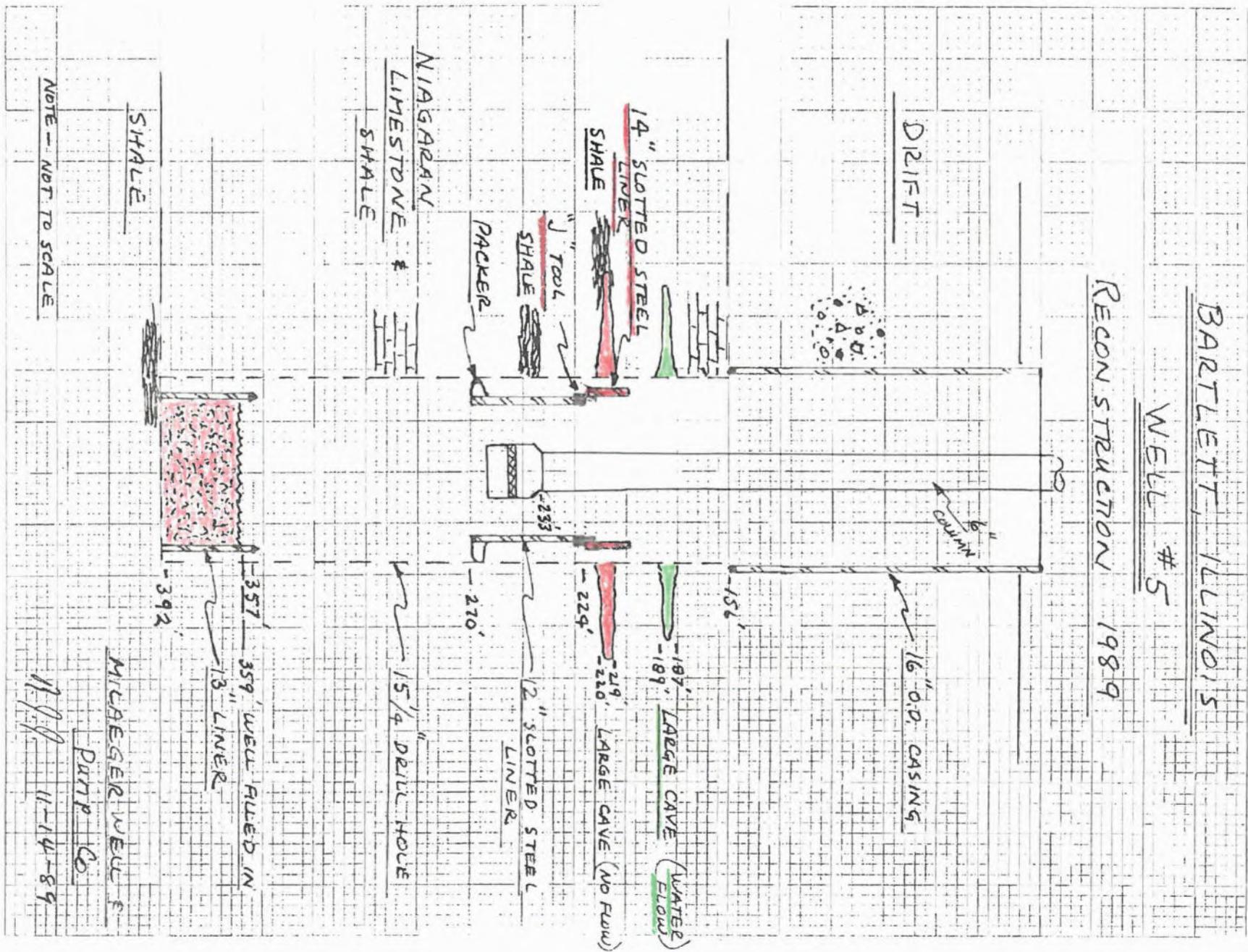
**GRUNDFOS**

FLOW RANGE  
150 to 290 GPM

PUMP OUTLET  
3" NPT

**PERFORMANCE CURVES**





Blue Copy - Well Owner  
Yellow Copy - Well Contractor  
White Copy - Ill. Dept. of Public Health

White Copy - Ill. Dept. of Public Health  
Yellow Copy - Well Contractor  
Blue Copy - Well Owner

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
GEOLOGICAL AND WATER SURVEYS SECTION  
STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706

# Bartlett Well #8

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 618, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

### 1. Type of Well

- a. Dug  Bored  Hole Diam. 15 in. Depth 1445 ft.  
Curb material  Buried Slab: Yes  No
- b. Driven  Drive Pipe Diam.  in. Depth  ft.
- c. Drilled  Finished in Drift  In Rock   
Tubular  Gravel Packed
- d. Grout:

| (KIND) | FROM (Ft.) | TO (Ft.) |
|--------|------------|----------|
|        |            |          |
|        |            |          |
|        |            |          |

### 2. Distance to Nearest:

- Building  Ft. Seepage Tile Field
- Cess Pool  Sewer (non Cast Iron)
- Privy  Sewer (Cast Iron)
- Septic Tank  Barayard
- Leaching Pit  Manure Pile

### 3. Is water from this well to be used for human consumption?

Yes  No

### 4. Date well completed July 6, 1973

### 5. Permanent Pump Installed? Yes No

Manufacturer  Type   
Capacity  gpm. Depth of setting  ft.

### 6. Well Top Sealed? Yes No

### 7. Pitless Adaptor Installed? Yes No

### 8. Well Disinfected? Yes No

### 9. Water Sample Submitted? Yes No

### REMARKS:

*Long 88° 9' min 48 sec E  
LAT 41° 52' min 4 sec N*

IDPH 4.065  
10/68

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Village of Hanover Park Well No. 5  
Address Hanover Park, Illinois  
Driller Wehling Well Works, License No. 92-508
11. Permit No. 43375 Date 5-31-73
12. Water from  Formation   
at depth  to  ft. Sec. 13
13. County DuPage Twp. 140W
14. Screen: Diam.  in. Rge. 9E  
Length:  ft. Slot   
96'S 177'E NW NW NW SW Elev.

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

### 15. Casing and Liner Pipe

| Diam. (in.) | Kind and Weight | From (Ft.) | To (Ft.) |
|-------------|-----------------|------------|----------|
| 20          | Black stool     | 0          | 132      |
| 16          | Liner           | 0          | 1050     |
|             |                 |            |          |

SHOW LOCATION IN SECTION PLAT

### 16. Size Hole below casing: 15 in.

17. Static level  ft. below casing top which is  ft. above ground level. Pumping level  ft. when pumping at  gpm for  hours.

| 18. FORMATIONS PASSED THROUGH | THICKNESS | DEPTH OF BOTTOM |
|-------------------------------|-----------|-----------------|
| Drift                         | 134       | 134             |
| Drift gravel, lime shells     | 11        | 145             |
| Lime                          | 60        | 206             |
| Shale                         | 09        | 294             |
| Sandy shale                   | 54        | 348             |
| Shale & sand                  | 14        | 362             |
| Shale w/ lime                 | 8         | 370             |
| Shale                         | 22        | 392             |
| Shale & Lime                  | 92        | 484             |

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

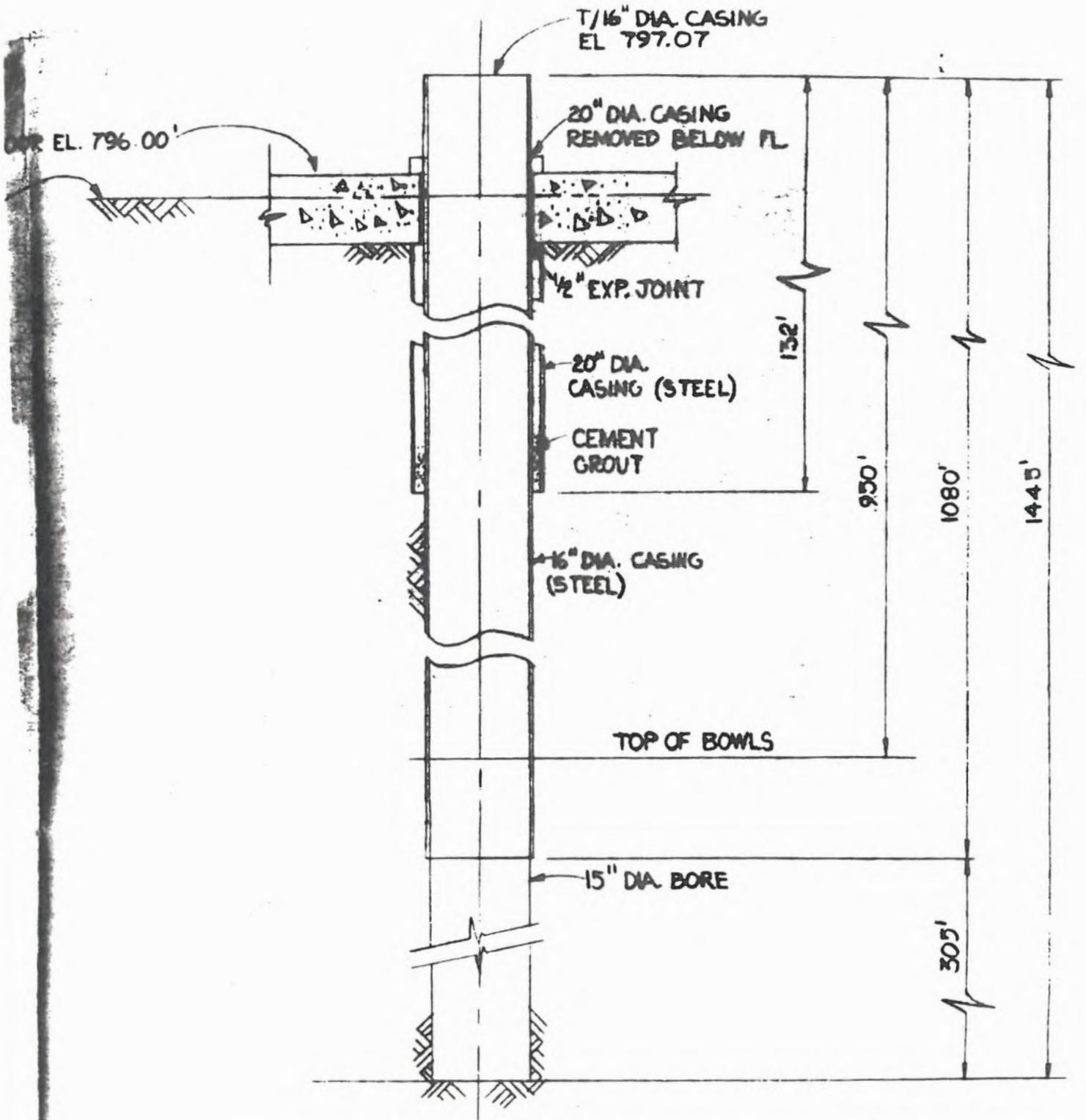
SIGNED Wehling Well Works, Inc. DATE 7-27-73

WELL #8

~~WELL # 5~~

## Bartlett Well #8

|                         |     |      |
|-------------------------|-----|------|
| Lime - Broken formation | 116 | 600  |
| Lime w/shale            | 140 | 740  |
| Sand                    | 253 | 993  |
| Sand & Lime             | 33  | 1026 |
| Sand Lime shale         | 49  | 1069 |
| Lime sand - shale       | 11  | 1080 |
| Lime w/red shale        | 47  | 1127 |
| Lime                    | 34  | 1161 |
| Sand - Red shale & Lime | 24  | 1185 |
| Lime w/sand             | 75  | 1260 |
| Sand w/lime             | 40  | 1300 |
| Sand                    | 120 | 1420 |
| Shale & sandy shale     | 20  | 1440 |
| Shale w/sand            | 5   | 1445 |



~~WELL NO. 5 BORING~~  
 SCALE NONE

Bartlett Well #8

**Attachments**

OWNER's Addendum 1 to Bid Document issued May 17, 2022

**Municipal Water Well Abandonment Bid Request  
Village of Bartlett  
228 South Main Street  
Bartlett, Illinois 60103**

**BID DATE CHANGE to 2PM Local Time May 25, 2022**

Bids Due to

**Village of Bartlett  
Attn: Village Clerk Municipal Water Well Abandonment Bid  
228 S. Main Street  
Bartlett, Illinois 60103**

**Project Name/Site Location:**

Village of Bartlett Municipal Water Well Abandonment - Four (4) wells:  
Wells 1-2 at 300 S. Main St in Cook County  
Well 5 at 818 Kent Circle in DuPage County  
Well 8 at 401 Schick Rd in DuPage County

**A. Clarifications/Response to Questions**

1. Bid schedule has been amended to reflect alternate pay items in the event the following conditions are encountered at the well heads:
  - a. The presence of a Type H pump with mercury seal. Confirmed Type H Pump in Well 8.
  - b. The need to retrieve a pump that has fallen to the bottom of the well formation.
2. The Village will trim tree limbs above Well # 5 for access to roof port.
3. Well # 8 will require contractor to cap above grade piping with a 10-inch diameter blind flange. All other wells have valve closures above grade that can serve as a termination.
4. Contractor work shall meet each respective location County's well abandonment protocols and requirements. If required, concrete floor shall be broken out to cut off casing below grade. Floor shall then be patched/troweled with concrete.
5. All well houses have roof hatch access. Ground shall be protected with matting during crane/hoist use. Well # 8 has removable wall panel and roof hatch, if necessary. Buildings and site must be secured at end of each workday.
6. Bartlett may elect to award Well 5 and 8 separately from Well 1 & 2. Well 1 & 2 will remain under one contract since they are co-located.
7. Additional information related to Well 2, Well 5, and 8 are attached to the addendum.

REVISED BID SCHEDULE

**I. Water Supply Well 1 & 2 Abandonment Bid Offer:**

The undersigned agrees to perform Water Supply Well Abandonment at the location of **Well 1 and Well 2** described in **Section A** for the Lump Sum Amount of:

**BASE LUMP SUM BID:**

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Incremental Lump Sum Amounts:**

a. To manage/dispose of the presence of a Type H pump with mercury seal.

\$ \_\_\_\_\_

b. To make reasonable effort (that County will accept) to retrieve a pump that has fallen to the bottom of the well formation.

\$ \_\_\_\_\_

**II. Water Supply Well 5 Abandonment Offer:**

The undersigned agrees to perform Water Supply Well Abandonment at the location of **Well 5** described in **Section A** for the Lump Sum Amount of:

**BASE LUMP SUM BID:**

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Incremental Lump Sum Amounts:**

a. To manage/dispose of the presence of a Type H pump with mercury seal.

\$ \_\_\_\_\_

b. To make reasonable effort (that County will accept) to retrieve a pump that has fallen to the bottom of the well formation.

\$ \_\_\_\_\_

**III. Water Supply Well 8 Abandonment Offer:**

The undersigned agrees to perform Water Supply Well Abandonment at the location of **Well 8** described in **Section A** for the Lump Sum Amount of:

**BASE LUMP SUM BID:**

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Incremental Lump Sum Amounts:**

a. To manage/dispose of the presence of a Type H pump with mercury seal.

\$ \_\_\_\_\_

b. To make reasonable effort (that County will accept) to retrieve a pump that has fallen to the bottom of the well formation.

\$ \_\_\_\_\_

**Contractor Acknowledgment of Bid Amounts I, II, III:**

Name of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_ Phone \_\_\_\_\_

Licensed Well Contractor: \_\_\_\_\_

Address: \_\_\_\_\_

Including Acknowledgement of Addendum 1 Dated May 17, 2022

\_\_\_\_\_  
Signature of Authorized Representative

END of BID SCHEDULE FORM

LIST of Additional Addendum 1 Enclosures:

- Email Correspondence with Layne
- Well 2 Additional Information
- Well 5 Additional Information
- Well 8 Additional Information

Bryan:

These are our most recent records and there is no guarantee that they are accurate.

Most recent on Well 2 from our records.

Looks like the oil lube turbine was replaced by a submersible by 1997 and repaired in 2000.

The PIP is not much good except to indicate that the pump is now a submersible.

The WTDSs indicate 105' of 3" T&C galvanized with a Grundfos 4 stage bowl and a Franklin 10 HP motor.

Well 5

We do not have a pump installation plan (PIP).

The attached 1996 Well Test Data Sheet (WTDS) indicates 228' of 6" T&C Line pipe with a 2stage Byron Jackson 8MQH bowl and a 50 HP Franklin sub motor.

Well 8

The PIP and WTDS indicate 810' of 8" T&C Line Pipe, 500 MCM cable, a Byron Jackson 13 stage 13MQ/12MQL bowl and a Byron Jackson 300 HP, Type H motor.

The Type H motor means it has a mercury seal and should be discarded with a Certificate of Proper Disposal to protect the Village.

*Email Correspondence with Layne*

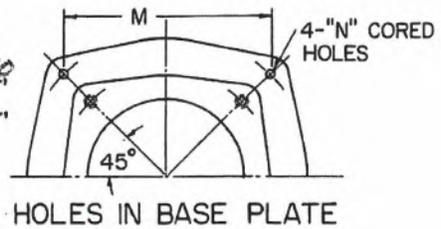
## Well 2 Additional Information



INSTALLATION PLAN  
 TYPE 4" DISCHARGE HEAD  
*Amer. well LK3*

*well # 2*

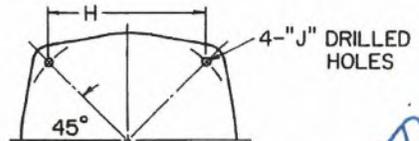
USE THESE DIMENSIONS ONLY  
 WHEN CERTIFIED BY FACTORY



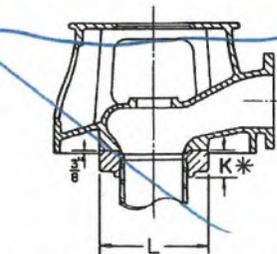
HOLES IN BASE PLATE



BASE PLATE



HOLES IN BASE OF HEAD



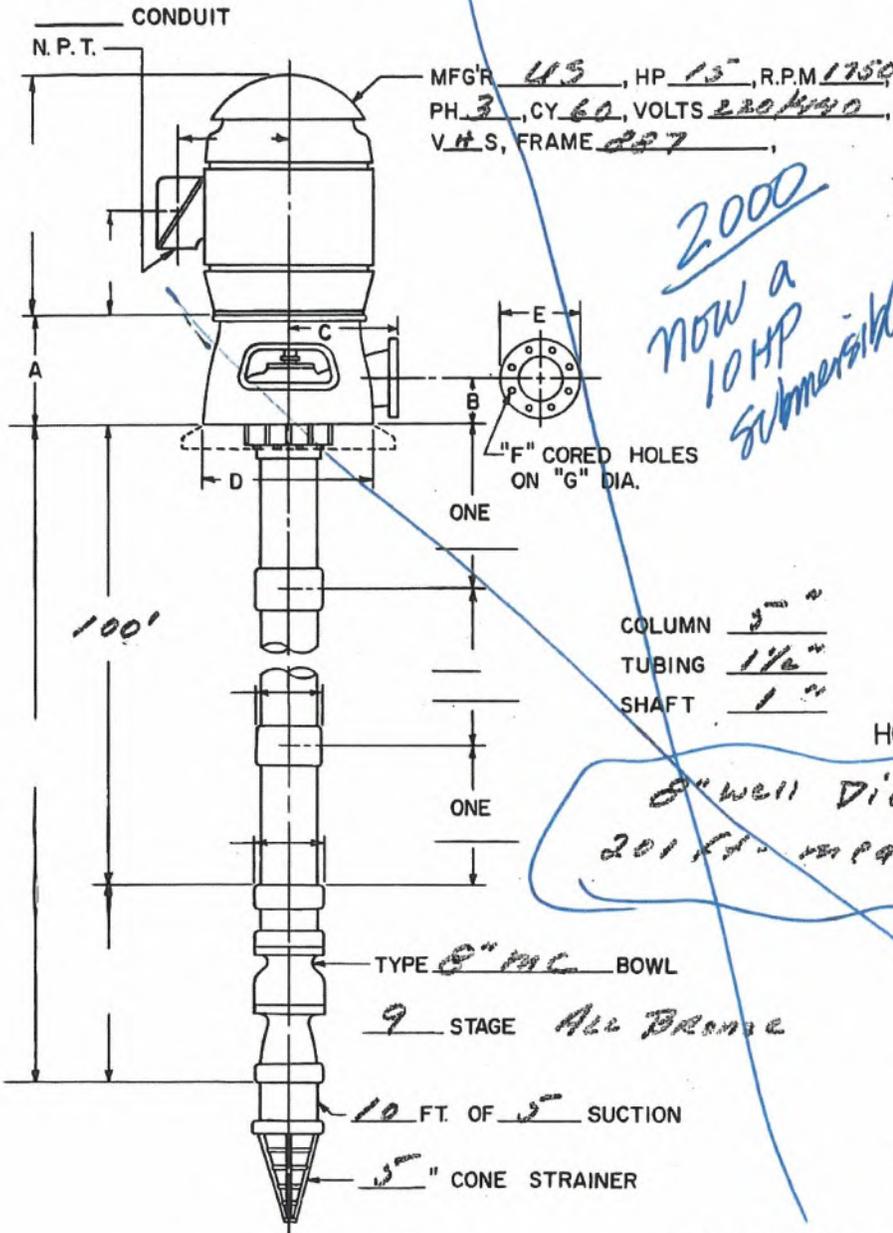
SECTION THRU HEAD

*2000  
 now a  
 10HP  
 submersible*

COLUMN 5"  
 TUBING 1 1/2"  
 SHAFT 1"

*8" well dia  
 201 ft. measured T.D.*

*DRILLED  
 1945  
 8" O.S.G.  
 to  
 151'*



\* FOR COLUMN SETTINGS OF 200' OR GREATER, "K"=11"

CUSTOMER: Bartlett, Ill  
 LOCATION: well # 2  
 FOR APPROVAL: \_\_\_\_\_  
 CERTIFIED: \_\_\_\_\_

YOUR NO: \_\_\_\_\_  
 OUR NO: \_\_\_\_\_  
 PUMP NO: 71930  
 DATE: \_\_\_\_\_

G.P.M. 200  
 T.D.H. 210  
 R.P.M. 1750  
 B.H.P. 15

| HEAD   | A  | B     | C      | D  | E      | F      | G      | H       | J      | K*      | L      | M        | N     | P      | R     | S      |
|--------|----|-------|--------|----|--------|--------|--------|---------|--------|---------|--------|----------|-------|--------|-------|--------|
| TF413  | 13 | 6     | 11     | 18 | 9      | 8-3/4  | 7 1/2  | 14 1/8  | 11 1/8 | 2 13/16 | 10     | 16 15/16 | 7 7/8 | 21     | 2     | 17     |
| TF613  | 14 | 6     | 11     | 18 | 11     | 8-7/8  | 9 1/2  | 14 1/8  | 11 1/8 | 2 7/8   | 11     | 15 15/16 | 7 7/8 | 21     | 2     | 17     |
| TF418  | 13 | 6     | 14 1/4 | 23 | 9      | 8-3/4  | 7 1/2  | 17 5/16 | 13 1/8 | 2 7/8   | 10     | 20 1/16  | 7 7/8 | 26 1/2 | 2 3/4 | 21 3/4 |
| 118    | 15 | 6     | 14 1/4 | 23 | 11     | 8-7/8  | 9 1/2  | 17 5/16 | 13 1/8 | 2 7/8   | 12 1/4 | 20 1/16  | 7 7/8 | 26 1/2 | 2 3/4 | 21 3/4 |
| 11818  | 18 | 7 3/8 | 14 1/4 | 23 | 13 1/2 | 8-7/8  | 11 1/2 | 17 5/16 | 13 1/8 | 3 1/16  | 13 3/4 | 20 1/16  | 7 7/8 | 26 1/2 | 2 3/4 | 21 3/4 |
| TF1018 | 18 | 8 1/8 | 14 1/4 | 23 | 16     | 12-1/4 | 14 1/4 | 17 5/16 | 13 1/8 | 3 1/16  | 16     | 20 1/16  | 7 7/8 | 26 1/2 | 2 3/4 | 21 3/4 |
| TF1218 | 20 | 9 5/8 | 16 1/4 | 26 | 19     | 12-1/4 | 17 1/8 | 19 5/8  | 13 1/8 | 3 1/16  | 19     | 23 1/16  | 7 7/8 | 32     | 3 1/4 | 24     |

| HEAD    | A      | B      | C      | D  | E      | F      | G      | H        | J      | K*     | L      | M      | N | P  | R     | S      |
|---------|--------|--------|--------|----|--------|--------|--------|----------|--------|--------|--------|--------|---|----|-------|--------|
| TF625   | 16     | 8 1/2  | 18 1/4 | 31 | 11     | 8-7/8  | 9 1/2  | 23 11/16 | 13 1/8 | 2 7/8  | 12 1/2 | 29     | 1 | 38 | 3 3/4 | 29     |
| TF825   | 20     | 8 1/2  | 18 1/4 | 31 | 13 1/2 | 8-7/8  | 11 1/2 | 23 11/16 | 13 1/8 | 3 1/16 | 13 1/2 | 29     | 1 | 38 | 3 3/4 | 29     |
| TF1025  | 20     | 8 1/2  | 18 1/4 | 31 | 16     | 12-1/4 | 14 1/4 | 23 11/16 | 13 1/8 | 3 1/16 | 16     | 29     | 1 | 38 | 3 3/4 | 29     |
| TF1225  | 21     | 9 5/8  | 18 1/4 | 31 | 19     | 12-1/4 | 17 1/8 | 23 11/16 | 13 1/8 | 3 1/16 | 19     | 29     | 1 | 38 | 3 3/4 | 29     |
| TF12251 | 21     | 9 5/8  | 18 1/4 | 31 | 19     | 12-1/4 | 17 1/8 | 23 11/16 | 13 1/8 | 4 7/16 | 21     | 29     | 1 | 38 | 3 3/4 | 29     |
| TF1425  | 21     | 10 5/8 | 18 1/4 | 31 | 21     | 12-1/4 | 18 3/4 | 23 11/16 | 13 1/8 | 4 7/16 | 21     | 29     | 1 | 38 | 3 3/4 | 29     |
| TF1227  | 24 1/2 | 9 3/4  | 21     | 36 | 19     | 12-1/4 | 17 1/8 | 27 5/8   | 13 1/8 | 3 1/16 | 19     | 33 3/8 | 1 | 43 | 4 1/4 | 33 3/8 |





## Well 5 Additional Information



WELL TEST DATA SHEET

**Layne-Western Company**

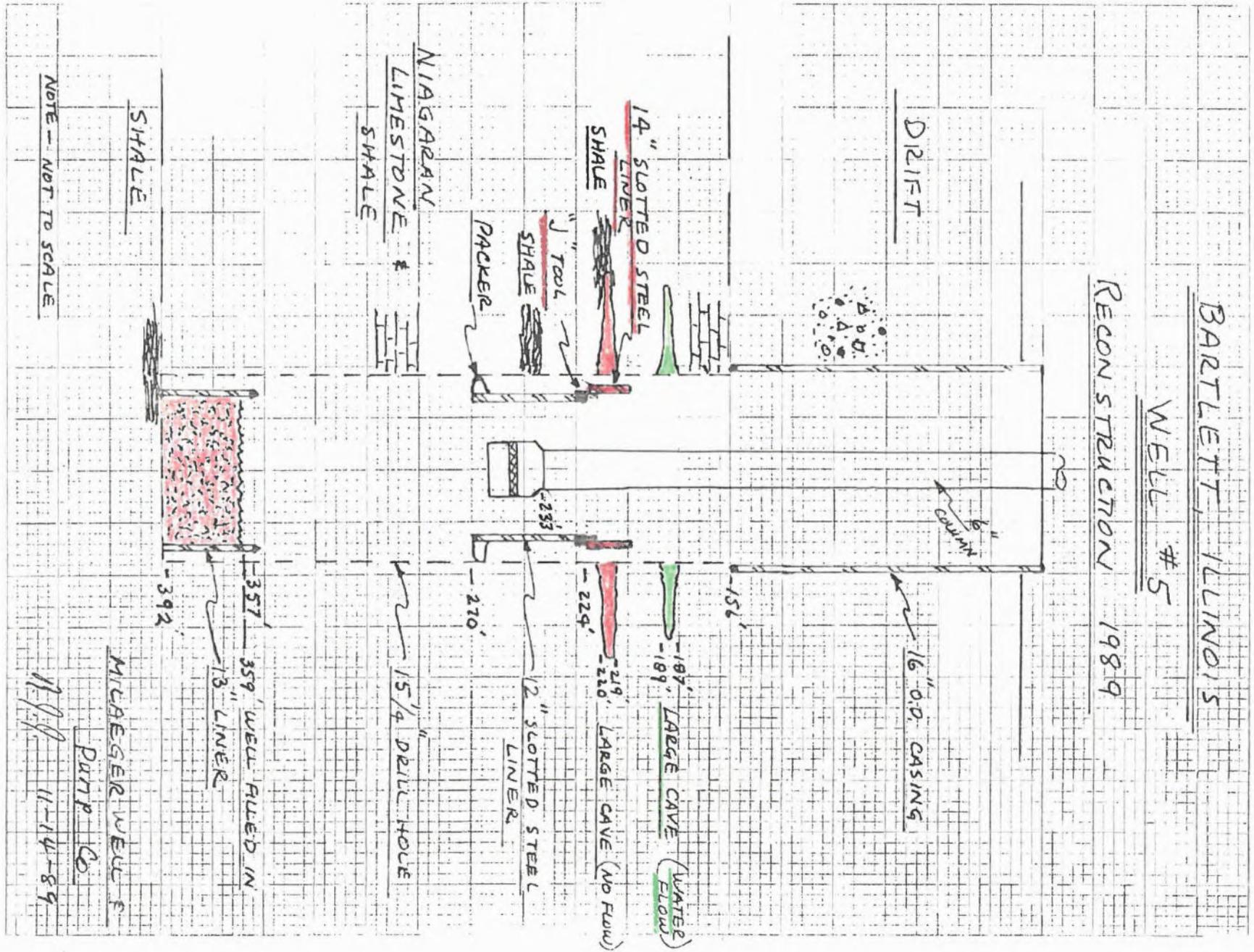
A Layne Company

PROFESSIONAL SERVICES FOR WATER SYSTEMS

721 West Illinois Avenue • Aurora, Illinois 60506-2892 • Phone: 708/897-6941

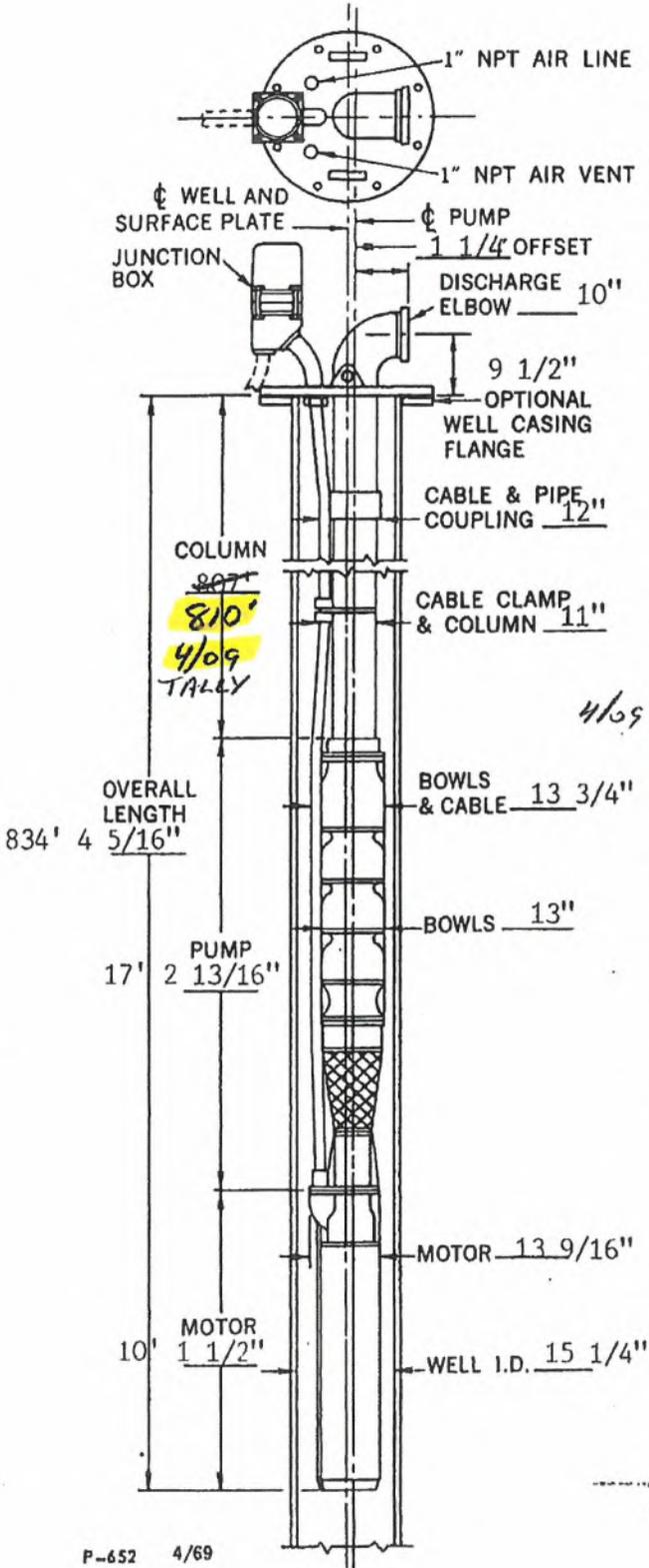
Job Bartlett Well No. 5 Date Tested May 15, 1996  
 Location Stearns & Bartlett Rds. Tested By Bryan  
 Dia. of Well 16"x14"x12" Driver 50HP Franklin  
 Depth of Well 349' Pump Used: 6" T&C  
 Length of Airline 228' Bowls 2-stage 8MQH brz  
 Non-Pumping Level 67' Manufacturer Byron Jackson  
 Orifice Size Meter Serial No. 911-R-1212

| Time  | Piezometer Reading (in.)  | G.P.M. | Air Gauge Reading (feet) | Pumping Level | Drawdown | Disch. Pressure |      | Total Pumping Head                | Remarks               |            |
|-------|---|--------|--------------------------|---------------|----------|-----------------|------|-----------------------------------|-----------------------|------------|
|       |   |        |                          |               |          | Lbs.            | Feet |                                   |                       |            |
| 8:40  | am Start  |        | 159                      | Static        |          |                 |      | <u>Amps</u>                       |                       |            |
| 8:45  |   | 770    | 128                      | 100           | 33       | 60              | 139  | Water dirty/strong chlorine smell |                       |            |
| 8:48  | Pump shutdown-suspect overload-shutdown occurred as taking 2nd cone sample. 1st cone sample very dirty 3.0 parts/liter. |        |                          |               |          |                 |      |                                   |                       |            |
| 9:02  | Restart   |        |                          |               |          |                 |      |                                   |                       |            |
| 9:05  |   | 450    | 148                      | 80            | 13       | 90              | 208  | 70/69/68                          | Foamy                 |            |
| 9:15  |   | 440    | 155                      | 73            | 6        | 94              | 217  | 71/70/68                          | Strong chlorine smell |            |
| 9:30  |   | 440    | 155                      | 73            | 6        | 94              | 217  | 74/68/64                          | Clearing              |            |
| 9:45  |   | 440    | 155                      | 73            | 6        | 94              | 217  | 70/68/64                          | Clearing              |            |
| 10:00 |   | 440    | 155                      | 73            | 6        | 94              | 217  | 69/67/64                          | Strong chlorine smell |            |
|       | 1st cone sample-foamy-trace sand.   |        |                          |               |          |                 |      |                                   |                       |            |
|       | 2nd cone sample-foamy-trace sand.   |        |                          |               |          |                 |      |                                   |                       |            |
|       | 3rd cone sample-foamy-trace sand.   |        |                          |               |          |                 |      |                                   |                       |            |
|       | Open valve to   |        |                          |               |          |                 | 70   | 162                               | Chlorine              | smell gone |
| 10:15 |   | 640    | 146                      | 82            | 15       | 70              | 162  | 71/68/66                          | Foamy but clear       |            |
| 10:30 |   | 640    | 146                      | 82            | 15       | 70              | 162  | 71/70/69                          | Clear                 |            |
| 10:45 |   | 640    | 146                      | 82            | 15       | 70              | 162  | 71/70/69                          | Clear                 |            |
|       | 1st cone sample-clear.  |        |                          |               |          |                 |      |                                   |                       |            |
|       | 2nd cone sample-clear.  |        |                          |               |          |                 |      |                                   |                       |            |
|       | 3rd cone sample-clear.  |        |                          |               |          |                 |      |                                   |                       |            |



## Well 8 Additional Information

**SUBMERSIBLE OUTLINE**  
**STANDARD WELL SEAL — JUNCTION BOX CONSTRUCTION**



DATE October 11, 1999

NAME OF CUSTOMER Village of Bartlett

Well No. 8

PROPOSITION NO. -----

ORDER NO. -----

PURCHASE ORDER NO. -----

NO. OF UNITS One

SURFACE PLATE 30 1/4" O.D. 1 1/2" TH'K

8-7/8" FOUNDATION HOLES. STR.  $\phi$  ON --- B.C.

8 " — 8 T.P.I. — 3/4" TAPER T&C ST'D. COLUMN

10 " — 150# F.F. (STEEL) DISCHARGE FLANGE

BOWL ASSEMBLY 13MQ/12MQL / 13 STGS.

*I.D. TAs is 250 H.P.*

300 H.P. 1751 RPM B.J. SUBM. MOTOR TYPE H

14" SIZE 3 PH. 60 CYCLE 460 VOLT

1000 GPM 810 ft. TDH

No. 500  
CABLE SIZE MCM VOLTAGE 600 LENGTH 821'

REMARKS: 1. Surge control valves at 100'

and 524' above bowl. New

2. Surface piece refabricated to 8"  
below plate.

3. 2-1/4" PVC airlines

4. Pipe is vinyl - coated and has set  
screws in couplings.

**DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED**  
JOB NO. \_\_\_\_\_ PROP. NO. \_\_\_\_\_  
CERTIFIED \_\_\_\_\_ DATE \_\_\_\_\_  
CORRECT \_\_\_\_\_



Attachments

CONTRACTOR's Bid Submittal on May 18, 2022, with the following Lump Sum totals including incremental Lump Sum amounts, if necessary, of \$22,990.00 – Well 1 & 2, \$27,720.00 – Well 5, and \$117,834.00 - Well 8



May 18, 2022

Village of Bartlett  
228 S. Main Street  
Bartlett, Illinois 60103  
Attn: Village Clerk Municipal Water Well Abandonment Bid

**RE: Village of Bartlett Municipal Water Well Abandonment Bid**

Dear Village of Bartlett Officials-

Water Well Solutions Illinois, LLC is pleased to submit the attached bid for the Village Well Abandonments project. This bid is based on the published specifications including addendum #1 (released 5/18). Please include this cover letter as part of WWS bid for the maintenance project, as we make a few clarifications and outline our scope.

Our bid is based on a thorough review of the record provided within the bid:

- Well No. 1 & 2: 8x 200ft wells (limestone) with submersible pumps set to approx. 105ft
- Well 5: 16"x 392ft (with slotted liner) w/ submersible set 228ft on 6" pipe. Note, the 20" casing is the upper casing only, however, the well casing is 16" per the well record provided.
- Well 8: 16" x 1445ft w/ 810ft set Byron Jackson Type H mercury sealed motor.

Please note, our bid assumes the information stated above is true, and that the borehole volumes are calculated based on the assumption of a uniform diameter (no caverns or voids). Note we cannot calculate or assume the volume of caverns or voids in Wells 5 or 8, and as such we must use the known diameters provided to us. If the construction is different during abandonment, WWS will provide an updated proposal per the bid requirements for additional time and materials required to properly abandon these wells. WWS will not assume the liability of a lump sum bid in the event that these wells have large cavernous areas that were not identified and would require additional materials.

WWS assumes proper access to the well heads via truck mounted pump rig. Also, we assume no unusual downhole circumstances and pump is intact, collapsing formation, bridging, failed casing, fishing, etc. In the event of a pump that is decoupled/detached and requires fishing efforts, WWS has provided the cost of a 10hr day retrieval attempt w/ tools as part of our lump sum for "Incremental Lump Sum Amounts, section (b)" item per well, and additional an hourly rate beyond that attempt. Note, fishing efforts cannot be estimated or bid lump sum since it's an iterative process that's not predictable. Typically we see an hourly rate assigned to the fishing item, not lump sum.

NOTE, our well 8 "Incremental Lump Sum Amounts, section (a)" pricing INCLUDES proper decommissioning of the Byron Jackson Type H 14" motor. Also note, WWS cannot predict any potential failures of the mercury motor that is currently installed, and if there are any mercury remediation efforts needed within the well. As such WWS is not responsible for mercury remediation within the well as a result of motor failure or other events, which is beyond the control and scope of the well abandonment contractor. Moreover, the other wells (1, 2, and 5) do not have any Byron Jackson Type H motors, thus section (a) does not apply.

As stated in the bid specifications, we assume the State/County will approve the abandonment as outlined in the attached drawings, including the materials. Upon permitting, we will confirm the abandonment plan and discuss any changes requested by the County with the Village. This includes the plan to cut the well casings for wells 5 & 8 to ground level of the building and backfill to grade. If changes are advised by the county/state we will need to discuss changes with the Village.

Based on the scope provided, the timeline of 60 days is sufficient, however, if there are caverns or unexpected issues like fishing, the timeline will need to be revisited. WWS can hold to the 60 day timeline from receipt of permit approval, barring any unexpected circumstances (like fishing, caverns, etc).

Attached to our bid are the following documents for your review:

1. Corporate Resume & Key Personnel
2. Reference List: deep well customers
3. Well abandonment designs drawn by WWS
4. Licenses
5. COI

Moreover, upon award of the contract, WWS can provide the following submittals;

1. Equipment list
2. Materials submittal on abandonment material
  - a. Pea gravel
  - b. Bentonite chips
  - c. Concrete fill

Schedule for completion of work:

Well 1 & 2: we estimate approx. 1 week after permit approval

Well 5: we estimate approx. 1 week after permit approval

Well 8: we estimate approx. 2 weeks after permit approval

Water Well Solutions, values our relationship with the Village of Bartlett and look forward to working with you. As always, please feel free to contact me directly on my cell at (630) 201-0749 or via email at [todd.kerry@wwsg.com](mailto:todd.kerry@wwsg.com). Thank you.

Sincerely,



Todd Kerry  
Vice President  
**Water Well Solutions Illinois, LLC**



**Municipal Water Well Abandonment Bid Request  
Village of Bartlett  
228 South Main Street  
Bartlett, Illinois 60103**

**BID DATE CHANGE to 2PM Local Time May 25, 2022**

Bids Due to

**Village of Bartlett  
Attn: Village Clerk Municipal Water Well Abandonment Bid  
228 S. Main Street  
Bartlett, Illinois 60103**

**Project Name/Site Location:**

Village of Bartlett Municipal Water Well Abandonment - Four (4) wells:  
Wells 1-2 at 300 S. Main St in Cook County  
Well 5 at 818 Kent Circle in DuPage County  
Well 8 at 401 Schick Rd in DuPage County

**A. Clarifications/Response to Questions**

1. Bid schedule has been amended to reflect alternate pay items in the event the following conditions are encountered at the well heads:
  - a. The presence of a Type H pump with mercury seal. Confirmed Type H Pump in Well 8.
  - b. The need to retrieve a pump that has fallen to the bottom of the well formation.
2. The Village will trim tree limbs above Well # 5 for access to roof port.
3. Well # 8 will require contractor to cap above grade piping with a 10-inch diameter blind flange. All other wells have valve closures above grade that can serve as a termination.
4. Contractor work shall meet each respective location County's well abandonment protocols and requirements. If required, concrete floor shall be broken out to cut off casing below grade. Floor shall then be patched/troweled with concrete.
5. All well houses have roof hatch access. Ground shall be protected with matting during crane/hoist use. Well # 8 has removable wall panel and roof hatch, if necessary. Buildings and site must be secured at end of each workday.
6. Bartlett may elect to award Well 5 and 8 separately from Well 1 & 2. Well 1 & 2 will remain under one contract since they are co-located.
7. Additional information related to Well 2, Well 5, and 8 are attached to the addendum.

REVISED BID SCHEDULE

**I. Water Supply Well 1 & 2 Abandonment Bid Offer:**

The undersigned agrees to perform Water Supply Well Abandonment at the location of **Well 1 and Well 2** described in **Section A** for the Lump Sum Amount of:

**BASE LUMP SUM BID:**

Nineteen thousand two hundred ninety \_\_\_\_\_ Dollars (\$ 19,290 )

**Incremental Lump Sum Amounts:**

- a. To manage/dispose of the presence of a Type H pump with mercury seal.  
§ Not-Applicable (n/a) as the well is equipped with franklin/grundfos motors
- b. To make reasonable effort (that County will accept) to retrieve a pump that has fallen to the bottom of the well formation.  
\$ 3,700 (for 10 hr day of retrieval attempt. Additional fishing beyond this will be \$370/hr)

**II. Water Supply Well 5 Abandonment Offer:**

The undersigned agrees to perform Water Supply Well Abandonment at the location of **Well 5** described in **Section A** for the Lump Sum Amount of:

**BASE LUMP SUM BID:**

Twenty four thousand and twenty \_\_\_\_\_ Dollars (\$ 24,020 )

**Incremental Lump Sum Amounts:**

- a. To manage/dispose of the presence of a Type H pump with mercury seal.  
§ Not-Applicable (n/a) as the well is equipped with franklin motor. No record of BJ
- b. To make reasonable effort (that County will accept) to retrieve a pump that has fallen to the bottom of the well formation.  
\$ 3,700 (for 10 hr day of retrieval attempt. Additional fishing beyond this will be \$370/hr)

III. Water Supply Well 8 Abandonment Offer:

The undersigned agrees to perform Water Supply Well Abandonment at the location of Well 8 described in Section A for the Lump Sum Amount of:

**BASE LUMP SUM BID:**

Eighty one thousand eight hundred fifty Dollars (\$ 81,850 )

**Incremental Lump Sum Amounts:**

a. To manage/dispose of the presence of a Type H pump with mercury seal.

\$ 30,484 (see cover letter, for proper disposal of mercur motor)

b. To make reasonable effort (that County will accept) to retrieve a pump that has fallen to the bottom of the well formation.

\$ 5,500 (for 10 hr day of retrieval attempt. Additional fishing beyond this will be \$550/hr)

**Contractor Acknowledgment of Bid Amounts I, II, III:**

Name of Bidder: Water Well Solutions Illinios LLC

Date: May 19, 2022 Phone 630-365-9099

Licensed Well Contractor: 092-008671 (Todd Kerry)

Address: 825 E North St Elburn IL 60119

Including Acknowledgement of Addendum 1 Dated May 17, 2022

  
\_\_\_\_\_  
Signature of Authorized Representative

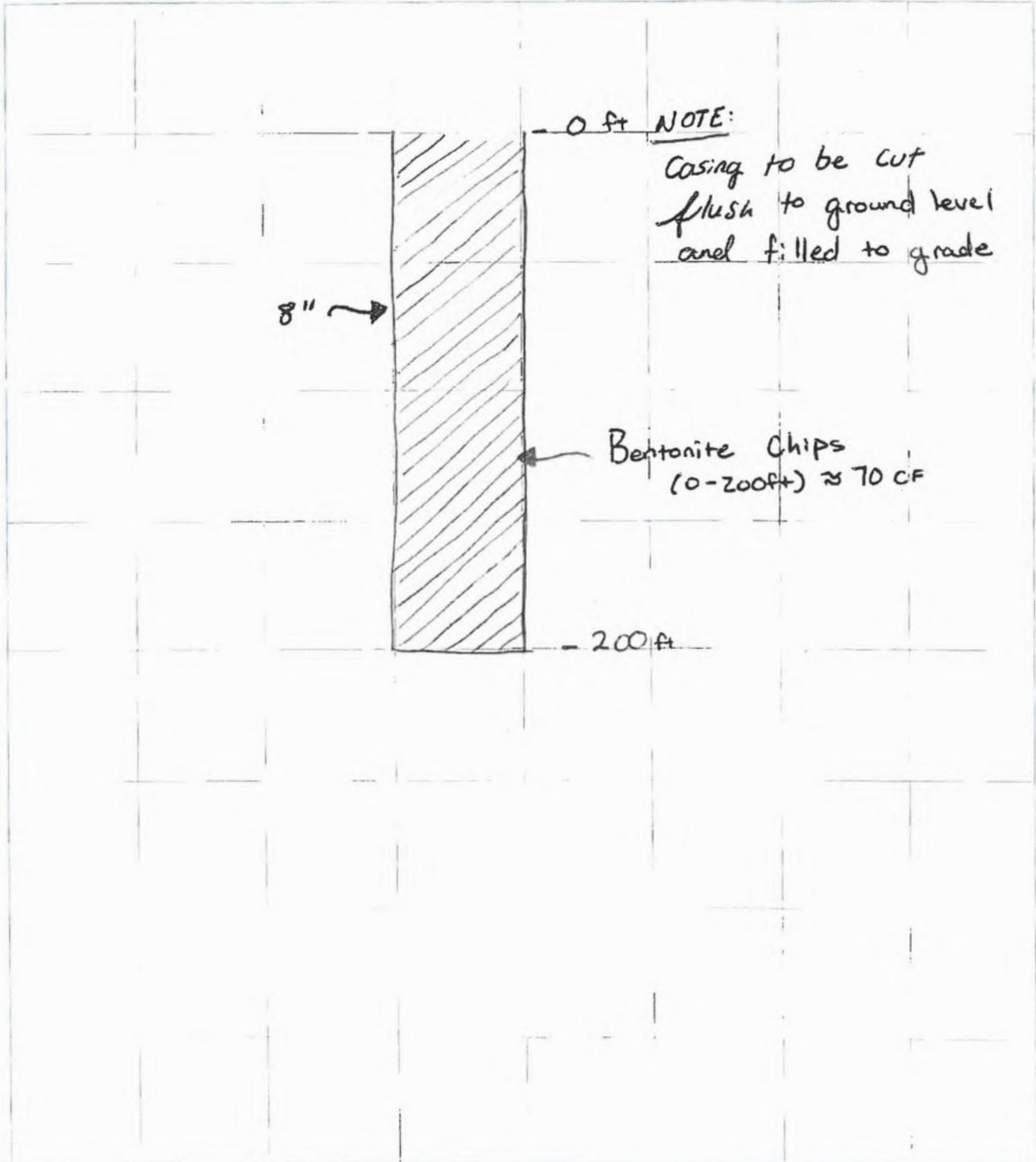
END of BID SCHEDULE FORM



Project: Bartlett Well #1 Abandonment

Job # \_\_\_\_\_

Date: \_\_\_\_\_



Wisconsin - Illinois  
(888) 769-9009 • FAX (920) 474-4771

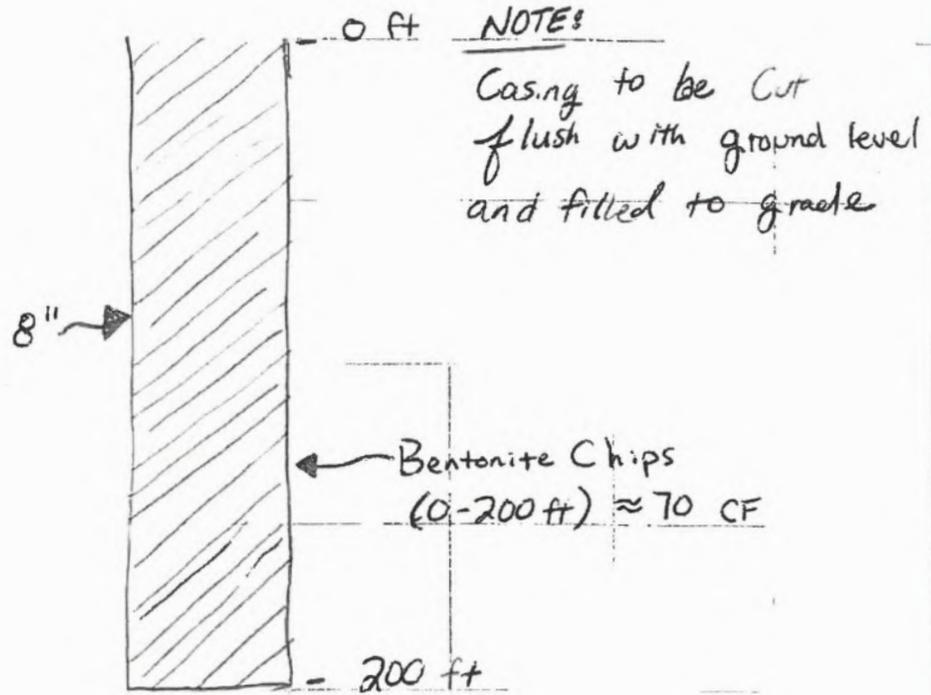
Wisconsin - Illinois  
(888) 769-9009 • FAX (920) 474 4771



Project: Bartlett #2 Well Abandonment

Job # \_\_\_\_\_

Date: \_\_\_\_\_





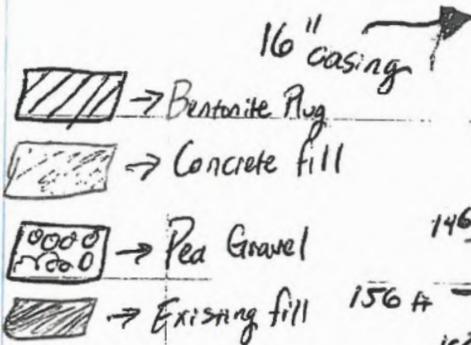
Project: Bartlett Well #5 Abandonment

Job #

Date:

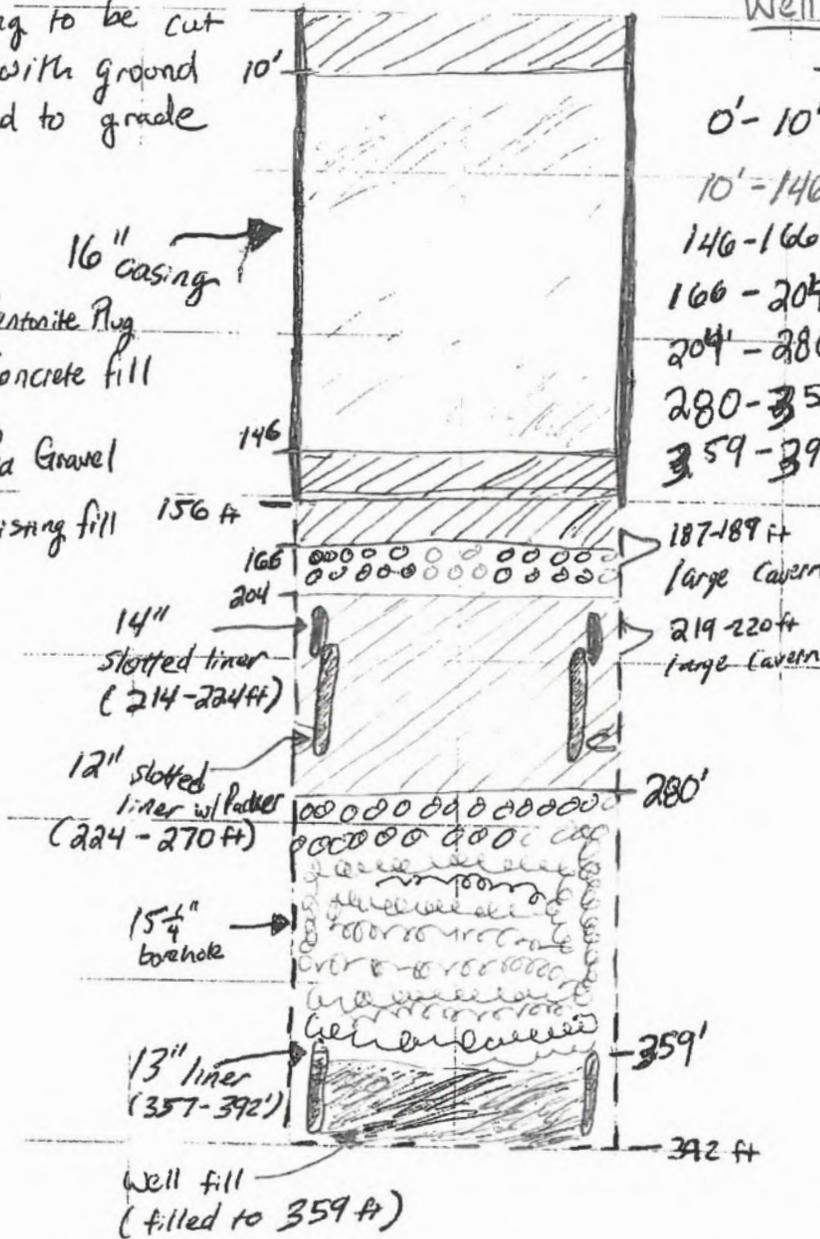
NOTE:

Well casing to be cut flush with ground and filled to grade



Well Abandonment Plan

- |                          | <u>CF</u> |
|--------------------------|-----------|
| 0'-10': Bentonite Plug   | (14)      |
| 10'-146': Concrete fill  | (190)     |
| 146-166': Bentonite Plug | (14)      |
| 166-204': Pea Gravel     | (53)      |
| 204-280': Bentonite Plug | (107)     |
| 280-359': Pea Gravel     | (111)     |
| 359-392': existing fill  |           |





Project: Bartlett Well #8 Abandonment

Job #

Date:

NOTE

Well casing to be cut  
flush with ground and  
filled to grade



Bentonite  
plug



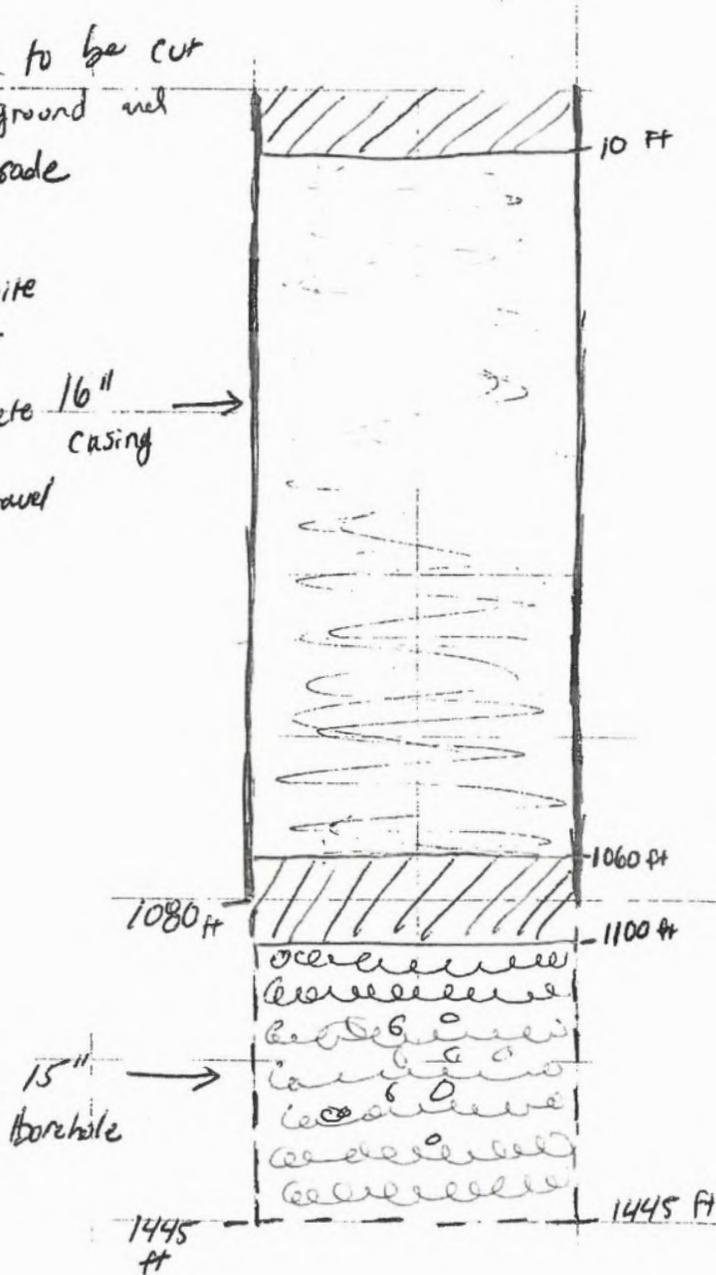
Concrete  
fill

16"

casing



Pea gravel





525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • [www.dph.illinois.gov](http://www.dph.illinois.gov)

January 20, 2022

TODD E KERRY  
825 E. NORTH STREET  
ELBURN, IL 60119

Dear TODD KERRY,

Your WATER WELL CONTRACTOR license expires 01-31-2023. This letter shall serve to meet the requirements of 225 ILCS 345, Section 14 which requires the licensee to conspicuously display his license at his principal place of business. The wallet card is not being sent at this time.

| FRONT:  | BACK:                           |                                 |                                 |   |
|---|---------------------------------|---------------------------------|---------------------------------|---|
| <p> <b>WATER WELL CONTRACTOR LICENSE</b></p> <table border="0"><tr><td><b>License ID</b><br/>092-008671</td><td><b>Issued</b><br/>1/20/2022</td><td><b>Expiration</b><br/>01/31/2023</td></tr></table> <p><b>TODD E KERRY</b><br/>825 E. NORTH STREET<br/>ELBURN, IL 60119</p> <p>Environmental Health<br/>See Reverse for Licensure</p>  | <b>License ID</b><br>092-008671 | <b>Issued</b><br>1/20/2022      | <b>Expiration</b><br>01/31/2023 | <p><b>TODD E KERRY</b> <span style="float: right;"><b>092-008671</b></span></p> <p><b>WATER WELL CONTRACTOR LICENSE for:</b><br/>Water Well Drilling, Alteration, or Repair Only</p> <p style="text-align: center;">Alteration of this certification shall result in legal action.<br/>This certification issued under authority of State of Illinois Department of Public Health</p> |
| <b>License ID</b><br>092-008671   | <b>Issued</b><br>1/20/2022      | <b>Expiration</b><br>01/31/2023 |                                 |   |

If you have any questions, please contact the Private Water Well Program at (217) 782-5830.



525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • [www.dph.illinois.gov](http://www.dph.illinois.gov)

January 20, 2022

TODD E KERRY  
825 E. NORTH STREET  
ELBURN, IL 60119

Dear TODD KERRY,

Your WATER WELL PUMP INSTALLATION license expires 01-31-2023. This letter shall serve to meet the requirements of 225 ILCS 345, Section 14 which requires the licensee to conspicuously display his license at his principal place of business. The wallet card is not being sent at this time.

| FRONT:  |   | BACK:   |  |
|---|---|---|--|
|  | <b>WATER WELL PUMP<br/>INSTALLATION</b>   | <b>TODD E KERRY</b>   | <b>101-004919</b>  |
| <b>License ID</b><br>101-004919   | <b>Issued</b><br>1/20/2022  | <b>Expiration</b><br>01/31/2023   | <b><u>WATER WELL PUMP INSTALLATION</u></b><br><b><u>CONTRACTOR LICENSE for:</u></b>  |
| <b>TODD E KERRY</b><br>825 E. NORTH STREET<br>ELBURN, IL 60119                      |  |  | <b>Water Well Pump Installation or Repairing<br/>Pumps and Pumping Equipment Only</b>  |
| <b>Environmental Health</b><br>See Reverse for Licensure                            |   |   | <b>Alteration of this certification shall<br/>result in legal action.</b><br><b>This certification issued under authority of State of<br/>Illinois Department of Public Health</b> |

If you have any questions, please contact the Private Water Well Program at (217) 782-5830.



## Deep Well Pump Pull/service Reference List

City of Romeoville IL  
615 ANDERSON DRIVE, ROMEOVILLE, IL  
Mr. Matt Congoran  
815-639-5309

City of Lockport  
222 E 9th Street Lockport, IL 60441  
Scott Green  
815-671-9873

Village of Algonquin, IL  
110 MEYER DRIVE  
Jason Schutz  
847-658-2754

Wasco Sanitary District  
P.O. BOX 9, WASCO, IL  
Jason Fowler  
630-208-9898

City of Warrenville, IL  
3S258 MANNING AVENUE, Warrenville IL  
John Satter  
630-393-9050

Elk Grove Village, IL  
600 LANDMEIER RD.,  
Scott Nailor  
847-734-8047

City of McHenry, IL  
333 S GREEN ST,  
Mr. Mike Palmer  
815-363-2190

Lockport Township  
1018 MAITLAND DR, LOCKPORT, IL  
Mr. Larry McCasland  
815-834-3519

City of Crystal Lake  
100 W WOODSTOCK ST,  
Mr. Andrew Resek  
815-459-2020

Village of Gilberts IL  
87 Galligan Rd. Gilberts IL  
Mr. John Castillo  
847.428.4167



### **EXPERIENCE LIST FOR KEY ADVISORY & TECHNICAL PERSONNEL:**

Water Well Solutions Service Group, Inc. is a full service water well contractor. Our main clientele consists of municipalities, industries, agriculture, commercial and other high capacity, multi-well facilities. Our main services consists of: well site investigation /selection; well construction and pump design/installation; well reconstruction/rehabilitation; pump repair/redesign; as well as other well house appurtenances such as: electrical controls; discharge piping; chemical treatment instruments; etc. It is our desire to develop a sole source company for providing our clients the highest quality and most cost effective solutions for the servicing of any and all the interior components of a typical water well facility. We are most widely recognized for our diverse team of professionals, and the team's ability to develop and utilize unique water well technologies to provide the best solution for water well redevelopment.

Water Well Solutions Service Group, Inc. was developed in November of 2000 by the company principals Michael E. Judkins and Mark W. Thurow along with the assistance of other key employees. Mr. Judkins and Mr. Thurow shared the duties of president, vice president, secretary, and treasurer of the corporation. The company was expanded to service the Illinois market through a relationship with business partner Todd Kerry with the development of Water Well Solutions Illinois Division, LLC, a wholly owned subsidiary of WWSSG, Inc. with offices in Oconomowoc, WI and Elburn, IL. Currently Water Well Solutions Illinois LLC and Water Well Solutions Wisconsin, LLC service the Midwest region.

#### **SENIOR PROJECT ENGINEERS:**

**Michael E. Judkins – President/CEO** is a 1987 graduate of the University of Wisconsin-Madison, with a Bachelor of Science degree in Geology and Geophysics. Following school he spent 9 years with Layne Christensen in the water well, environmental and mining industries. He then joined Municipal Well & Pump in 1995 and continued as a project engineer until October 2000. In 2000, Michael co-founded Water Well Solutions Service Group, Inc. and acted as President and CEO. Currently he is the President and CEO of Water Well Solutions Illinois LLC and Water Well Solutions Wisconsin LLC.

**Todd E. Kerry – Vice President** is a graduate of Northern Illinois University in DeKalb, IL and worked his way through College as the third generation water well drilling and pump installation contractor with Meadow Equipment Sales & Service, Inc. After graduating, he spent 3 years in the field as an installer and drilling assistant on rotary and cable tool projects and in 1998 he was promoted to a Project Engineer where he continued until 2009. Todd then joined WWS as a Senior Project Manager to manage the Illinois Division. He also sits on the Board of Directors with the Illinois Association of Groundwater Professionals being elected by his peers to represent them.

**Peter Bennin** joined the company in June of 2006 as a project manager. Peter worked as both a field service technician and a project manager with Municipal Well and Pump for the last 13 years. He has extensive experience with both line shaft and submersible turbine pumps. In addition, Peter is a state of Wisconsin certified water operator and a licensed pump installer. He is a factory authorized start-up technician for ABB ACS 550 Variable Frequency Drives and has experience troubleshooting and repairing all types of electrical control equipment. He has successfully completed both the OSHA 40 HR hazardous waste operations training course and the permit required confined spaces training course.

**David J Grutzik, P.E.** is a 1982 graduate of Iowa State University with a Bachelor of Science degree in Civil Engineering and holds a Professional Engineer certification. From 1984 to 1990, he was the Director of Public Works in Weston, WI. From 1990 to 1996 he was the branch manager for Layne Northwest. From 1996 to 2004, he was an owner/partner of Civil Professional Consultants (CPC), a consulting engineering company. In 2004,

CPC successfully merged with Central Wisconsin Engineering (CWE). Dave's role at CWE was head of architecture and vice president. He then joined Water Well Solutions in the spring of 2013 as a senior project engineer.

#### **OPERATIONS MANAGERS & KEY FIELD PERSONNEL:**

**Mike Nailor** is our Illinois Division Field Operations Manager with more than 15 years experience at Meadow Equipment Sales & Service, Inc.

**Jon Kohlmetz** is our Wisconsin Field Operations Manager and joined the company in January of 2007. Both are also tasked as site safety managers to ensure safe working conditions on the jobsite.

WWS has recognized continued growth throughout the years with the acquisition of the highest quality machinery and equipment, and the addition of talented personnel. Our operations staff is comprised of talented individuals with an impressive number of years of service. Randy Williams is A lead cable tool drilling superintendents, and have in excess of 50 years combined experience. These gentlemen are supported by Jon Kohlmetz, our Shop Superintendents and our field staff Doug Mynatt, Shawn Tremaine, Andy Burbach, Matt Flak, Jeremy Hoberg , Craig Jones, Ronaldo Warren, Jim Cleary, Jack Bark, Mike Richards, Matt Werhane, , Gary Rickmon and Dave Knutson.

**BYRON JACKSON QUALIFICATIONS:** our field staff have over 30 years experience pulling, servicing and reinstalling Byron Jackson Mercury sealed motors, ranging from 75-500HP 460 & 2300V motors.

Among our certifications for our field crews are:

- OSHA crane certification
- OSHA Rigger Certified
- OSHA Certified Crane Signal Person
- MSHA trained
- Three Rivers Training with additional site specific Ineos training
- Local 150 Operating Engineers
  - 100Hr Advanced crane training w/ the union
- Health Hazards in Construction training certificate
- Arch Flash Training
- All Field Crews receive 3 days mandatory Safety Training refresher yearly
- Management Advanced Safety Training

#### **PARTNERING TECHNOLOGY:**

Water Well Solutions is honored to represent, and be supported by, such exclusive vendors as: "**AirBurst® Technologies**" & "**Hy-RIP**" for water well development and rehabilitation; "**Aquastream®**" suction flow control technologies for sand and contaminant control; "**Carus Chemicals**" & "**Pristine Chemicals**" for well rehabilitation specific chemistry; "**Layne Vertiline**" and "**American Turbine Pump**" line of vertical turbine and "**Centrilift**" as well as "**Sun-Star Electric**", for submersible pumping equipment, submersible motor re-winds of all major manufactures, for submersible pumping equipment; etc. WWS is also a distributor of "**ABB Drives**". Exclusive relationships with such industry recognized suppliers aid Water Well Solutions in maintaining a competitive and opportunistic position in the water well market place.

Water Well Solutions would like to recognize our new Illinois distributor status with **ITT Goulds Pump** as of 4/1/09. We are proud to be able to buy factory direct for Goulds products and services which offers WWS

purchasing power with Global support. Water Well Solutions would also like to recognize our exclusive agreement with **AirBurst® Technology** in Northern, IL as of 4/1/09. We are proud to be the sole provider of **AirBurst® Technology** throughout the entire state of Wisconsin and Northern Illinois, as well as a Semi-Exclusive provider in the remainder of the State of Illinois. Water Well Solutions Senior Project Managers worked to develop and perfect the **AirBurst® Technology** to what it is today. No other company has the knowledge, and application experience that WWS has to offer.

Water Well Solutions is very proud of our image and safety record and are sure you will be as equally impressed with the quality of our equipment and professionalism. We have enjoyed rapid growth by attracting the best people in the industry. We continue to strive to meet our client's individual requirements with professionalism and realistic solutions to their ever changing needs. We base our business on trust, and are confident our clients will appreciate our innovative, cost effective, and straightforward approach to all their water needs.

Selective Insurance Company of America  
40 Wantage Avenue  
Branchville, New Jersey 07890  
973-948-3000

**AIA Document A310  
BID BOND**

**KNOW ALL MEN BY THESE PRESENTS**, that we  
**Water Well Solutions Illinois, LLC**

**825 E North St Elburn, IL 60119**

(Here insert full name and address or legal title of contractor)

as Principal, hereinafter called the Principal, and Selective Insurance Company of America

a corporation duly organized under the laws of the State of New Jersey  
as Surety, hereinafter called the Surety, are held and firmly bound unto  
**Village of Bartlett**

**228 S Main Street Bartlett, IL 60103-4495**

(Here insert full name and address or legal title of owner)

as Obligee, hereinafter called the Obligee, in the sum of

**10 % Percent of the Total Bid**

**(\$ 10 % Percent)**

for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors,  
administrators, successors and assigns, jointly and severally, firmly by these presents.

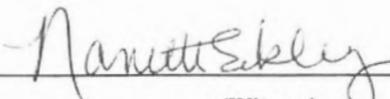
WHEREAS, the Principal has submitted a bid for

**Well Abandonment Project**

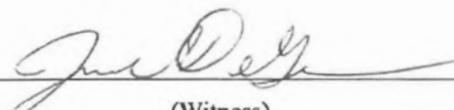
(Here insert full name and address and description of project)

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract with the Obligee in  
accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good  
and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the  
prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall  
pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for  
which the Obligee may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null  
and void, otherwise to remain in full force and effect.

Signed and Sealed this **16th** day of **May** **2022**

  
\_\_\_\_\_  
(Witness)

**Water Well Solutions Illinois, LLC**  
{ \_\_\_\_\_ (Principal) (Seal)  
\_\_\_\_\_ (Title)

  
\_\_\_\_\_  
(Witness)

**SELECTIVE INSURANCE COMPANY OF AMERICA**  
{ \_\_\_\_\_ (Surety) (Seal)  
\_\_\_\_\_ (Title) Attorney-in-Fact  
**Mary C Williams**

"Printed in cooperation with the American Institute of Architects (AIA) by the Selective Insurance Company of America. The language in this document conforms exactly to the language used in AIA Document A310, February 1970 edition."





ALL NOTICES REGARDING CLAIMS AGAINST  
THIS BOND MUST BE MAILED OR FAXED TO:

SELECTIVE INSURANCE COMPANY OF AMERICA  
Attention: BOND CLAIMS

P.O. Box 7265  
London, KY 40742

Email address: [CSVCenter@selective.com](mailto:CSVCenter@selective.com)

Telefax: 866-324-3471

Phone: 866-455-9969

For all other inquiries not related to claims, contact  
Selective Insurance Company of America  
40 Wantage Avenue  
Branchville, NJ 07890  
1-800-777-9656  
1-973-948-3000





**BID DUE DATE**  
**2:00 PM LOCAL TIME**  
**May 23, 2022**

April 28, 2022

**Municipal Water Well Abandonment Bid Request**

**Village of Bartlett**  
**228 South Main Street**  
**Bartlett, Illinois 60103**

**At 10:00 AM on May 10, 2022**  
**Contractors shall meet at Bartlett Village Hall for a voluntary pre-bid inspection.**

**The bidder shall use the following forms and instructions in preparing and submitting a bid for this Village of Bartlett Solicitation.**

**A. Project Name/Site Location:**

Village of Bartlett Municipal Water Well Abandonment - Four (4) wells:  
Wells 1-2 at 300 S. Main St in Cook County  
Well 5 at 818 Kent Circle in DuPage County  
Well 8 at 401 Schick Rd in DuPage County.

**B. Village's Environmental Consultant: (Owner's Coordinator)**

Mr. Gary Deigan  
Deigan & Associates, LLC  
28835 N. Herky Dr., Unit 120  
Lake Bluff, IL. 60044  
847-578-5000 Fax 847-549-3242  
email: [gdeigan@deiganassociates.com](mailto:gdeigan@deiganassociates.com)

**C. Site Investigation**

By submitting a bid, the Contractor has investigated and satisfied themselves as to the conditions affecting the work. These conditions include but are not limited to: physical conditions or operations of the site that may bear upon site access, handling and storage of tools and materials, access to water, electric, or other utilities, or other considerations which may affect performance of required activities. Any failure by the Contractor to acquaint himself with available information will not relieve him from the responsibility for estimating properly the difficulty or cost of successfully performing the work. The Village is not responsible for any conclusions or interpretations made by the Contractor based on the information made available by the Village.

**D. Regulatory Requirements**

The most recent edition of any relevant regulation, standard, document, or code shall be in effect. Where conflict among the requirements or with these bid documents exists, the most stringent requirements shall be utilized. Reference **Attachment A** for additional regulatory information.

**E. Insurance Requirements**

The Contractor shall purchase and maintain insurance that will protect him and the Village of Bartlett from claims that may arise out of or result from his activities under this Contract, whether those activities are performed by himself or by any Subcontractor or by anyone directly or indirectly employed by any of them or by anyone for whose acts any of them may be liable. Contractor shall state its minimum insurance coverage in its bid submittal. Additional indemnification and insurance requirements are included as *Exhibit I* in **Appendix B**.

**F. Offer**

Pursuant to the Well Abandonment Bid Request, the undersigned offers to furnish all labor, materials and services necessary to complete the well abandonment project of the Owner in strict accordance with all applicable laws and the Contract Documents describing said project for the sum(s) set forth in the Bid offer in the form set forth in Section P below.

If the Owner accepts this bid, the undersigned agrees to furnish all insurance required by the Contract Documents, to enter into and execute an agreement with the Owner containing all the terms, conditions, specifications and other provisions set forth in the Contract Documents, and to accomplish and complete the work in accordance with the Contract Documents.

**G. Illinois Prevailing Wage & Certified Payroll required.** All laborers, workers and mechanics employed by Contractor and/or by any subcontractor(s) performing any Project Work, Repair Work, and/or Warranty Work shall be paid wages (hourly cash wages plus fringe benefits) at rates not less than those required under the Illinois Prevailing Wage Act (820 ILCS 130/01 et seq.) (the "Act") (hereinafter, "Prevailing Wages") for Cook County, the county in which the Project Work will be performed. Contractor and all subcontractor(s) shall comply with all regulations issued pursuant to the Act and other applicable federal, state, and local laws and regulations pertaining to labor standards with the most stringent laws and regulations controlling.

The Contractor shall notify immediately in writing all of its subcontractors, of all changes in the schedule of Prevailing Wages. Contractor shall include in each of its subcontracts a written stipulation that not less than the Prevailing Wages shall be paid

to all laborers, workers, and mechanics performing work under the Contract and shall require each of its sub-subcontractors of every tier to include said stipulation regarding payment of Prevailing Wages. Any increase in costs to the Contractor due to changes in the Prevailing Wages or labor law during the term of any contract and/or sub-contract of any tier shall be at the expense of the Contractor and not at the expense of the Park District. Any change orders shall be computed using the Prevailing Wages applicable at the time the change order work is scheduled to be performed. The Contractor shall be solely responsible to maintain accurate records as required under the Act, and shall be solely liable for paying the difference between Prevailing Wages and any wages actually received by laborers, workers, and/or mechanics engaged in the work and for insuring strict compliance with the requirements of the Act, including but not limited to providing certified payrolls to the Village in strict accordance with the Act using forms and affidavits furnished by IDOL (the "Certified Payrolls"). Notwithstanding the forgoing, said prevailing wage rates are revised by the Illinois Department of Labor (IDOL) from time to time. Contractor is solely responsible for obtaining and paying the applicable revised prevailing rate as determined by the IDOL for the time period in which the work is being performed. Said revised prevailing wage rates are available at IDOL's website:

[Current Prevailing Rates - Conciliation and Mediation Division \(illinois.gov\)](#)

#### **H. Description of Work**

In addition to completion of the Bid form, contractor shall provide:

- **A plan of work and schedule for all well abandonment activities based upon field verified site conditions and quantities.**
- **A list of submittal documents that will be provided upon project completion; and**
- **Insurance information including carrier, policy type, rating, and limits of coverage**

The Contractor shall supply all labor, materials, services, insurance, permits and equipment necessary to carry out the work in accordance with all applicable Federal, State, and Local regulations.

#### **I. Non-Collusion Affidavit**

By submitting its bid, the bidder says that he/it has not, nor has any other member, representative, or agent of the firm, limited liability company, corporation or partnership represented by him or it, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone for this project nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and

April 28, 2022

Instructions to Bidders/Invitation to Bid

that this bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

As required by the Criminal Code, 720 ILCS 5/33E-11, Bidder certifies that it is not barred from contracting with any unit of State or local government as a result of a violation of any criminal statute including, but not limited to, the bid rigging (Section 33E-3) or bid rotating (Section 33E-4) provisions of the Criminal Code. If awarded the contract, the successful bidder/well abandonment contractor thereby restates and reaffirms the same.

Bidder further says that no person or persons, firms or corporation has, have or will receive directly or indirectly, any rebate, fee, gift commission or thing of value on account of such sale.

**J. Bid Due Dates & Submittal Location**

All Bids shall be received by the Village of Bartlett on or before **2PM local time on Monday, May 23, 2022.** Sealed bids shall be clearly marked on the outer envelope with “**Village of Bartlett Municipal Water Well Abandonment Bid**” and be addressed to:

**Village of Bartlett  
Attn: Village Clerk Municipal Water Well Abandonment Bid  
228 S. Main Street  
Bartlett, Illinois 60103**

Bid results will be emailed to responsive bidders following bid evaluation.

**K. Project Schedule & Sequence of Work**

The project is to be performed/completed in the following sequence/schedule:

The Well Abandonment Contractor shall commence work after receipt of Notice to Proceed (NTP). Work shall be completed within 60 days after completion issuance of NTP. Work not completed by these dates will be subject to a stipulated penalty of \$300 per calendar day. Work completion is defined as well abandonment completed, debris removed, site graded, and equipment demobilized.

**L. Scope of Work**

The Well Abandonment Contractor shall complete the following scope of work in accordance with the Contract Documents and applicable, local, state, and federal regulations. Scope of work shall include all areas listed below. The Well Abandonment Contractor, prior to furnishing bids shall determine exact locations and

conditions of each well. The Well Abandonment Contractor shall be responsible for actual conditions present at the facility even if not identified on documents provided to the Well Abandonment Contractor. This is three (3) individual LUMP SUM contracts for well abandonment at the locations identified in **Section A**.

- i) Properly abandon and seal water supply wells at locations identified in the contract documents and located on **Attachment C**. This work shall be completed by an Illinois-licensed Well Driller. The Contractor is responsible for obtaining all permits associated with well abandonment as well as completion of abandonment forms for each well, per Cook and DuPage County requirements.

**VILLAGE OF BARTLETT MUNICIPAL SUPPLY WELL ABANDONMENT**

| WELL NO. | Address                         | County | Depth (ft) | Diameter (in) |
|----------|---------------------------------|--------|------------|---------------|
| 1        | 300 S. Main St.<br>Bartlett, IL | Cook   | 200        | 8             |
| 2        | 300 S. Main St.<br>Bartlett, IL | Cook   | 200        | 8             |
| 5        | 818 Kent Cir.<br>Bartlett, IL   | DuPage | 392        | 16            |
| 8        | 401 Schick Rd.<br>Bartlett, IL  | DuPage | 1,400      | 15            |

**Disposal of debris or surplus**

- i) The Well abandonment Contractor shall comply with 35 Ill. Adm. Code 1100.
- ii) Offsite removal of all well abandonment debris on site, including miscellaneous materials located inside the wells.
- iii) All fees associated with the removal and disposal of the well abandonment debris shall be included in said proposal.
- iv) Any hazardous, special, universal wastes generated by well abandonment shall be managed by Contractor and disposed per Federal, State, local regulations.

April 28, 2022  
Instructions to Bidders/Invitation to Bid

- v) Salvage value of recyclable materials shall become property of the Well abandonment Contractor.

**M. JULIE.**

- i) The Well Abandonment Contractor shall comply with the Illinois Underground Utility Facility Damage Prevention Act.

**N. Site Protection**

- i) The Well Abandonment Contractor shall be responsible for site safety and security. Maintenance of existing fence/locked gates shall be the responsibility of the Well Abandonment Contractor until completion of job and demobilization. Contractor shall be responsible for damage to fence caused by contractor's actions.
- ii) Well Abandonment Contractor shall be responsible for repair to damage to adjacent sidewalks, alley, roadways, streetlights, signage, and neighboring properties caused by Well Abandonment Contractor's, and its subcontractor's, equipment and/or actions.

**O. Questions and Clarifications**

Written questions will be accepted until **2:00 pm on May 16, 2022**, to [edeigan@deiganassociates.com](mailto:edeigan@deiganassociates.com). Questions will be answered in the form of an addendum issued to all bidders.

**P. Bid Offer**

Water Supply Well 1 & 2 Abandonment Bid Offer:

The undersigned agrees to perform Water Supply Well Abandonment at the location of Well 1 and Well 2 described in **Section A** for the Lump Sum Amount of:

LUMP SUM BID:

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

LUMP SUM Bid Offer includes the two wells located in Cook County described in **Section A**. Contractor Bid is irrevocable for a period of 90 days.

**Contractor Acknowledgment of Bid Amount**

Name of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_ Phone \_\_\_\_\_

Well \_\_\_\_\_ Abandonment \_\_\_\_\_ Company: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_  
Signature of Authorized Representative

Water Supply Well 5 Abandonment Bid Offer:

The undersigned agrees to perform Water Supply Well Abandonment of Well 5 as described in **Section A** for the Lump Sum Amount of:

LUMP SUM BID:

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

LUMP SUM Bid Offer includes one well as described in **Section A**. Contractor Bid is irrevocable for a period of 90 days.

**Contractor Acknowledgment of Bid Amount**

Name of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_ Phone \_\_\_\_\_

Well \_\_\_\_\_ Abandonment \_\_\_\_\_ Company: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_  
Signature of Authorized Representative

**Water Supply Well 8 Abandonment Bid Offer:**

The undersigned agrees to perform Water Supply Well Abandonment of Well 8 as described in **Section A** for the Lump Sum Amount of:

LUMP SUM BID:

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_ )

LUMP SUM Bid Offer includes one well as described in **Section A**. Contractor Bid is irrevocable for a period of 90 days.

**Contractor Acknowledgment of Bid Amount**

Name of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_ Phone \_\_\_\_\_

Well \_\_\_\_\_ Abandonment \_\_\_\_\_ Company: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_  
Signature of Authorized Representative

The Village of Bartlett reserves the right to reject any or all bids or to waive technicalities and accept or reject any offer based on the determination of the Village's best interest. The Village reserves the right to issue separate contracts to separate bidders for each Lump Sum item described above.

**Enclosures:**

- Special Provisions
- Exhibit I: Village of Bartlett Specifications Governing Compliance with Laws, Indemnification, and Insurance Requirements
- Map of Well Locations to be Abandoned
- Well Abandonment Bid Request Photographs
- Well Logs for Wells to be Abandoned
- Water Well Abandonment Project Agreement

Attachments

CONTRACTOR's Basis for Notification of Changed Subsurface Conditions  
submitted July 8, 2022, with unit prices for additional labor and materials if  
unknown subsurface conditions are encountered.



June 16, 2022

Village of Bartlett  
228 S. Main Street  
Bartlett, Illinois 60103  
Attn: Village Clerk Municipal Water Well Abandonment Bid

**RE: Unit Pricing\_Village of Bartlett Municipal Water Well Abandonment Bid**

Dear Village of Bartlett Officials-

Water Well Solutions Illinois, LLC is pleased to submit the following supplemental information regarding our bid for the Village Well Abandonment projects. Please refer to and incorporate our original cover letter dated 5/18/22. This correspondence is being provided as requested to provide the unit pricing that will take effect in the event of additional materials and/or time is necessary to complete the scope of work required above and beyond the Lump Sum amount, due to unknown borehole volumes and/or unusual circumstances beyond contractor control.

The unit pricing is only intended to be used in the even the well borehole volumes exceed the calculated volumes of the wells based upon on the recorded depth and diameter of each well. During well televising, if any well has a void or cavern that requires additional time and material, a change order will be requested for approval. Both material and labor charges will apply when filling a void beyond the calculated volumes. Assuming the well boreholes are as reported, the Lump Sum amounts will apply. Only additional materials and labor above and beyond the reported values will be addressed with the following unit prices.

**Well 1 & 2**

1. Additional bentonite (beyond the calculated 70 cubic feet per well) -----\$30/cubic foot
2. Labor to install additional volume of bentonite -----\$370/HR (assume 5 CF/HR)
3. Hourly Rate in the event of unusual downhole circumstances ----- \$370/HR (Rig & 2-man crew)

**Well 5**

4. Additional material (beyond the calculated 13 tons of pea gravel and 7 Cubic Yards of concrete flowable fill; and 135 cubic feet of bentonite for Well #5):
  - a. Pea Gravel -----\$69/ton
  - b. Concrete flowable fill-----\$300/cubic yard
  - c. Bentonite-----\$30/cubic foot
5. Labor to install additional volume of material -----\$370/HR
6. Hourly Rate in the event of unusual downhole circumstances -----\$370/HR (Rig & 2-man crew)

**Well 8**

7. Additional material (beyond the calculated 34 tons of pea gravel, 28 Cubic Yards of concrete flowable fill, 80 cubic feet of bentonite, and 27 cubic yards of neat cement)
  - a. Pea Gravel -----\$69/ton
  - b. Concrete flowable fill-----\$300/cubic yard
  - c. Bentonite-----\$30/cubic foot
  - d. Neat Cement-----\$620/cubic foot

- 8. Labor to install additional volume of material -----\$370/HR (Rig & 2-man crew)
- 9. Hourly Rate in the event of unusual downhole circumstances -----\$550/HR (Rig & 3-man crew)

Water Well Solutions Illinois values our relationship with the Village of Bartlett and looks forward to working with you. As always, please feel free to contact me directly on my cell at (630) 201-0749 or via email at [todd.kerry@wwssg.com](mailto:todd.kerry@wwssg.com). Thank you.

Sincerely,



Todd Kerry  
Vice President  
***Water Well Solutions Illinois, LLC***

**From:** [Todd Kerry](#)  
**To:** [Gary Deigan](#)  
**Cc:** "[Daniel Dinges](#)"; "[Bryan Mraz](#)"; "[Bryan Peter](#)"; "[Tyler Isham](#)"  
**Subject:** RE: Village of Bartlett Well Abandonment Contracts  
**Date:** Friday, July 8, 2022 3:28:31 PM  
**Attachments:** [062022\\_Base & Unit Pricing\\_WWS Bartlett Well Abandonment Revised.docx](#)  
[Bartlett Wells 1, 2, 5, 8 Abandonment designs 2022 Detail.pdf](#)

---

Gary,

I believe that this is what you are looking for, please let me know.

Have a good weekend!

**Sincerely,**

**Todd E. Kerry**

**Vice President**

Water Well Solutions Illinois, LLC  
825 E. North St.  
Elburn, IL 60119

**C:** (630) 201-0749 | **O:** (630) 365-9099 | **F:** (630) 365-9069

**E:** [todd.kerry@wwsbg.com](mailto:todd.kerry@wwsbg.com) | **W:** [www.wwsbg.com](http://www.wwsbg.com)



**From:** Gary Deigan <[gdeigan@deiganassociates.com](mailto:gdeigan@deiganassociates.com)>

**Sent:** Thursday, July 7, 2022 11:08 AM

**To:** Todd Kerry <[todd.kerry@wwsbg.com](mailto:todd.kerry@wwsbg.com)>

**Cc:** 'Daniel Dinges' <[ddinges@bartlettill.gov](mailto:ddinges@bartlettill.gov)>; 'Bryan Mraz' <[bem@mrazlaw.com](mailto:bem@mrazlaw.com)>; 'Bryan Peter' <[bpeter@deiganassociates.com](mailto:bpeter@deiganassociates.com)>; 'Tyler Isham' <[tisham@bartlettill.gov](mailto:tisham@bartlettill.gov)>

**Subject:** RE: Village of Bartlett Well Abandonment Contracts

**[EXTERNAL EMAIL]** DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Hi Todd,

Perhaps my email response on 6/20 did not make it to you? It is attached.

Gary J. Deigan  
Principal/Owner



Mobile: 847-404-9356  
Office: 847-578-5000  
[www.deiganassociates.com](http://www.deiganassociates.com)  
28835 N. Herky Dr., Unit 120  
Lake Bluff, IL. 60044

**From:** Todd Kerry <[todd.kerry@wwssg.com](mailto:todd.kerry@wwssg.com)>  
**Sent:** Thursday, July 7, 2022 10:02 AM  
**To:** Gary Deigan <[gdeigan@deiganassociates.com](mailto:gdeigan@deiganassociates.com)>  
**Cc:** 'Daniel Dinges' <[ddinges@bartlettil.gov](mailto:ddinges@bartlettil.gov)>; 'Bryan Mraz' <[bem@mrazlaw.com](mailto:bem@mrazlaw.com)>; 'Bryan Peter' <[bpeter@deiganassociates.com](mailto:bpeter@deiganassociates.com)>; 'Tyler Isham' <[tisham@bartlettil.gov](mailto:tisham@bartlettil.gov)>  
**Subject:** RE: Village of Bartlett Well Abandonment Contracts

Gary,

Just following up on this to see if you had any additional questions. Thank you!

**Sincerely,**

**Todd E. Kerry**

**Vice President**

Water Well Solutions Illinois, LLC  
825 E. North St.  
Elburn, IL 60119

**C:** (630) 201-0749 | **O:** (630) 365-9099 | **F:** (630) 365-9069

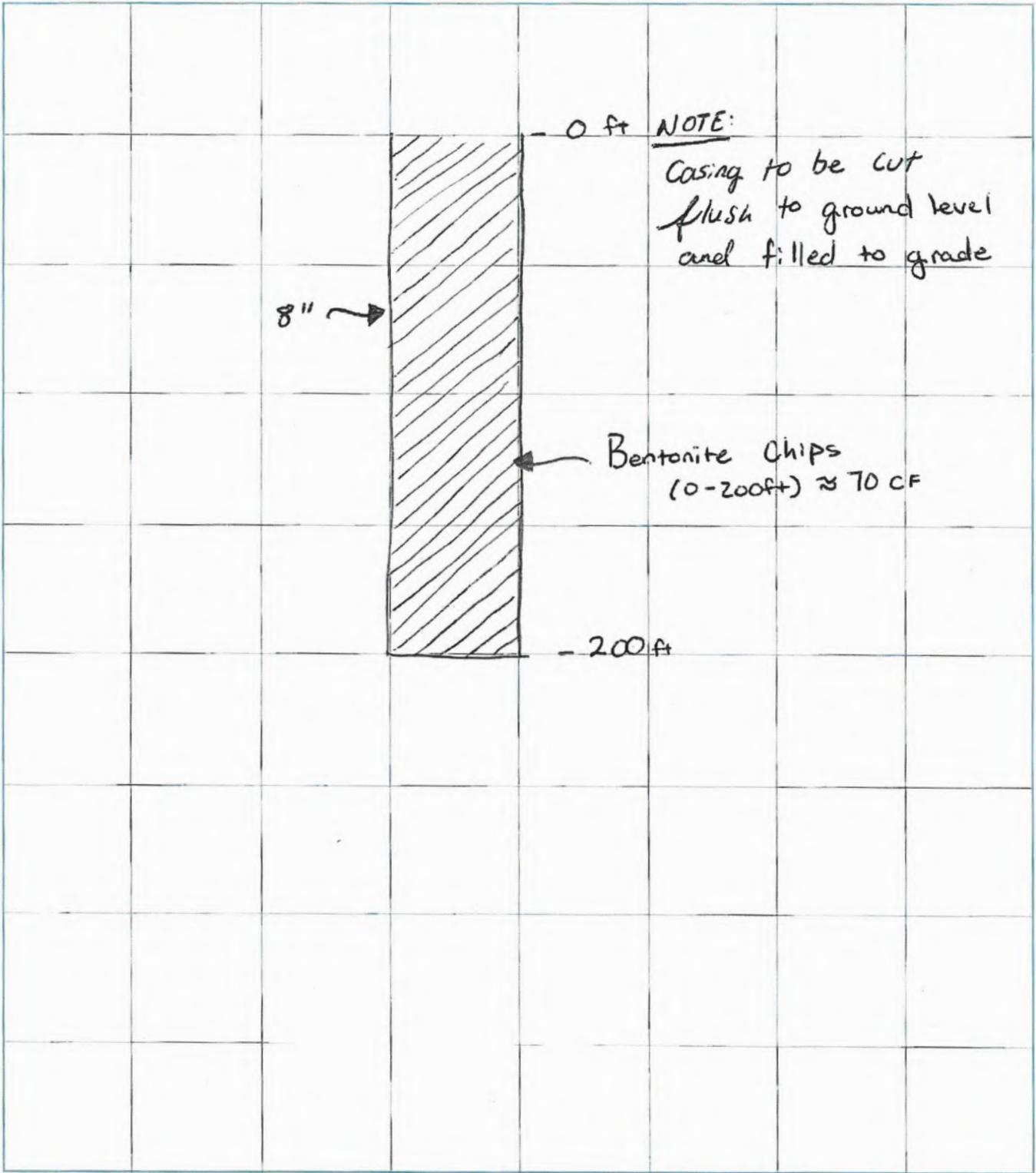
**E:** [todd.kerry@wwssg.com](mailto:todd.kerry@wwssg.com) | **W:** [www.wwssg.com](http://www.wwssg.com)



Project: Bartlett Well #1 Abandonment

Job # \_\_\_\_\_

Date: \_\_\_\_\_



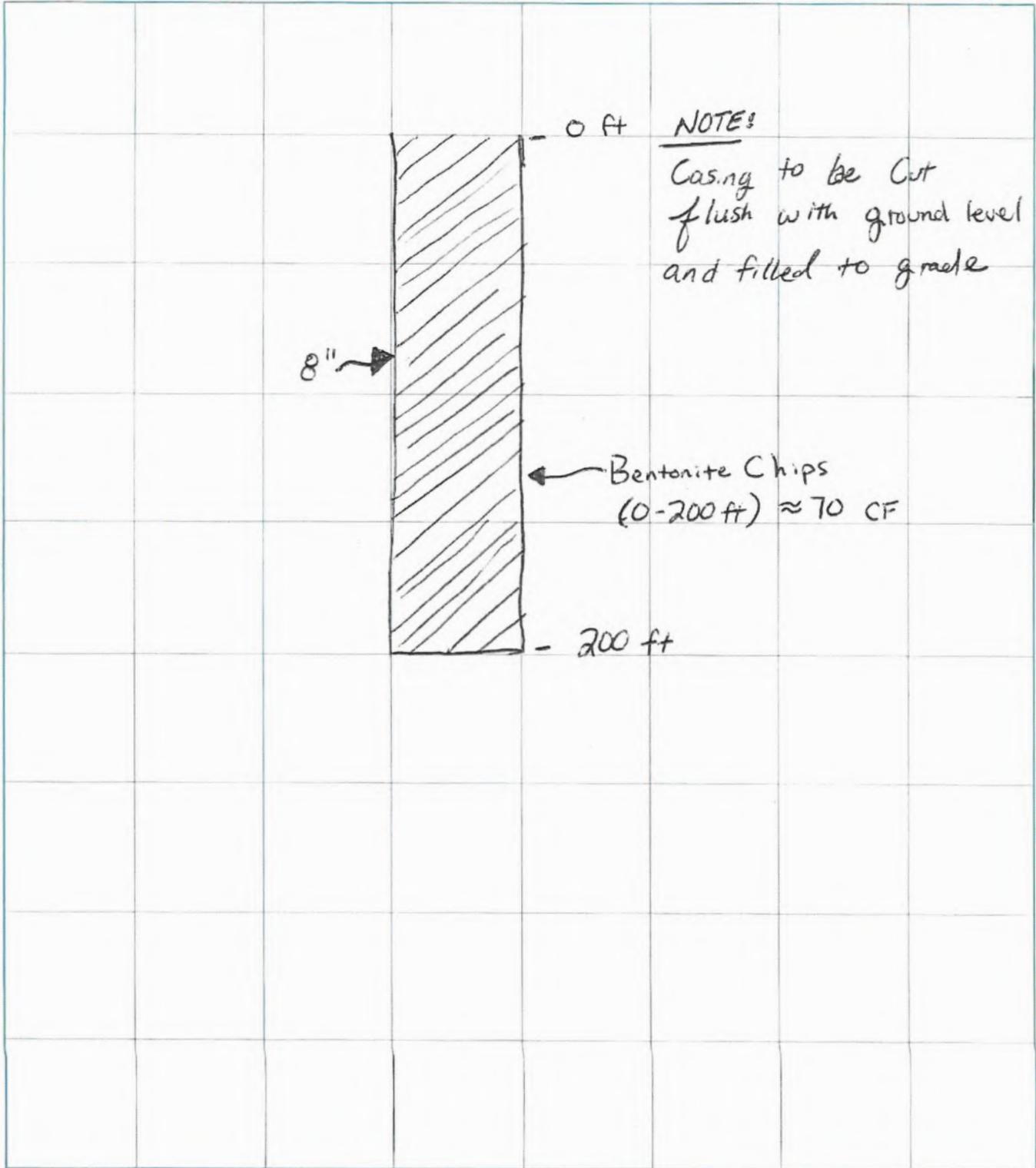
Wisconsin - Illinois  
(888) 769-9009 • FAX (920) 474-4771

Wisconsin - Illinois  
(888) 769-9009 • FAX (920) 474-4771



Project: Bartlett #2 Well Abandonment

Job # \_\_\_\_\_ Date: \_\_\_\_\_





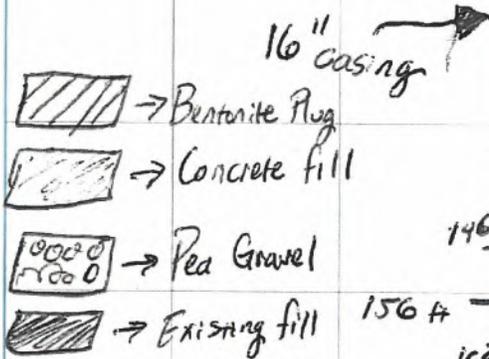
Project: Bartlett Well #5 Abandonment

Job # \_\_\_\_\_

Date: \_\_\_\_\_

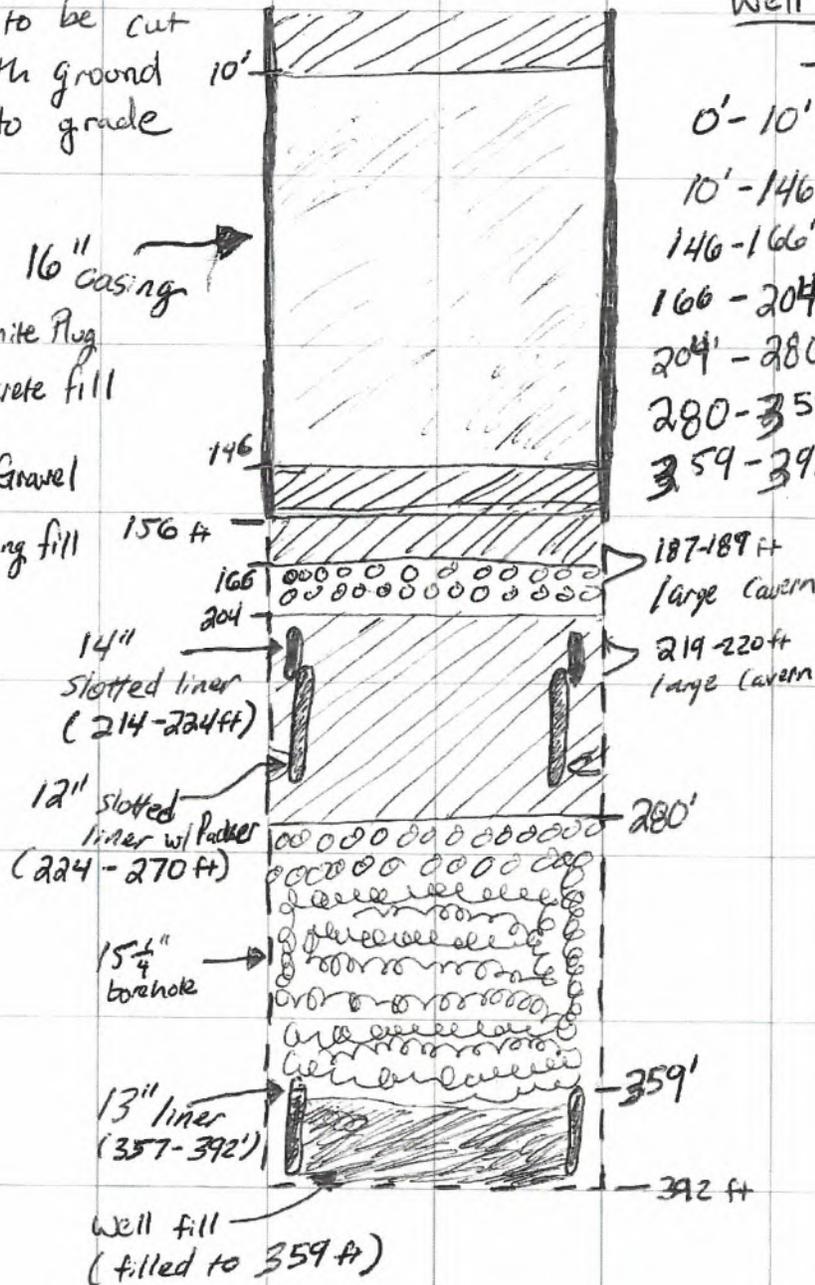
NOTE:

Well casing to be cut  
flush with ground  
and filled to grade



Well Abandonment Plan

- 0' - 10': Bentonite Plug (144)
- 10' - 146': Concrete fill (190)
- 146' - 166': Bentonite Plug (14)
- 166' - 204': Pea Gravel (53)
- 204' - 280': Bentonite Plug (107)
- 280' - 359': Pea Gravel (111)
- 359' - 392': existing fill





Project: Bartlett Well #8 Abandonment

Job # \_\_\_\_\_ Date: \_\_\_\_\_

NOTE

Well casing to be cut flush with ground and filled to grade



Bentonite plug



Concrete fill



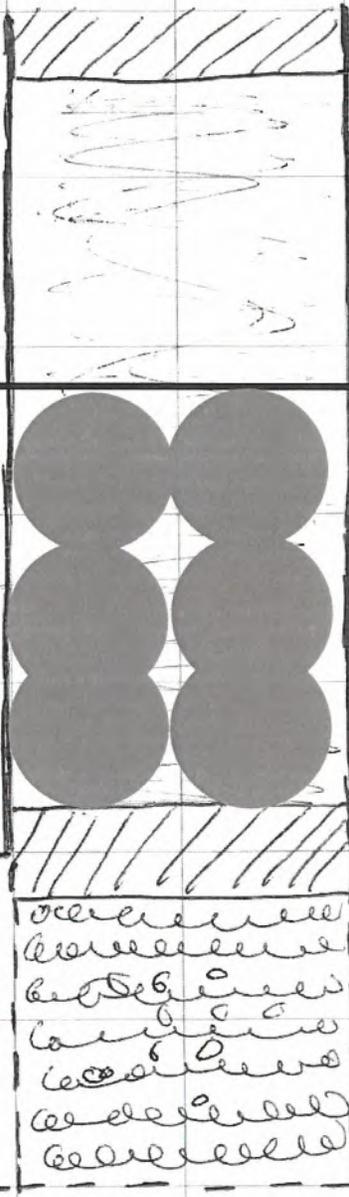
Pea gravel



Neat cement

16" casing

15" borehole (15.25" borehole)



NOTE: Static water level around 560ft

will fill well casing from 550ft to 1060ft with neat cement due to water level.

above Which will be concrete flowable fill topped with teh final 10ft of bentonite plug  
Approx QTYS:

- 0-10ft: Bentonite chips (14 CF)
- 10-550ft: concrete flowable fill (754 CF)
- 550-1060ft: neat cement (712 CF)
- 1060-1100ft bentonite (56 CF)
- 1100-1445ft pea gravel (437 CF)