



HAMILTON COUNTY PUBLIC HEALTH

PREVENT. PROMOTE. PROTECT.

July 19, 2018

Timothy Ingram, Health Commissioner
250 William Howard Taft Road
Cincinnati, OH 45219
Phone: 513.946.7800 Fax: 513.946.7890
hcuph.org

Dear Property Owner,

Hamilton County Public Health (HCPH) recently pre-approved you at 85% grant funding through the Water Pollution Control Loan Fund (WPCLF) to help in the sewage treatment system (STS) replacement project at your primary residence. The WPCLF requires at least three bids or quotes be submitted to Hamilton County Public Health for each eligible project. HCPH recently reviewed and approved the STS replacement plan for your property at 11935 Mill Road. Attached you will find a copy of the approved plan which you will need to use in order to solicit bids/quotes on behalf of HCPH.

Using the attached forms, sample contract, approved STS design plan for your property and the guidance provided in this letter, you will need to contact registered STS installers individually for quotes/bids. Attached is a list of registered STS installers you may contact. Any contractors interested in your project will need to submit a bid/quote for the total cost for all work needed to install the approved STS using the form provided. This will include all items specified on the approved STS design plan, any needed connection of plumbing into the building sewer, disconnection and re-routing of any clear water from the plumbing system or STS, any needed electrical service upgrade if required to accommodate the replacement STS components, any other eligible and justified items, finished grading, seed and straw, and proper abandonment of the existing STS components.

To keep the process moving forward, by September 7, 2018, at least three bids/quotes must be obtained by you on behalf of HCPH. Keep in mind that returning bids/quotes sooner will better help your chances of receiving the WPCLF funding. Bids/quotes will be reviewed by a team of individuals at HCPH. The contract will be awarded to the qualified applicant based on the lowest and best bid and will be dependent upon bidder's availability to complete the requested work in a timely fashion. Awarded contracts are strictly between HCPH and the selected contractor. Any attempt to enter into separate contract, addendum, modification, invoice or other contractual agreement, except for the property owner's matching percentage to be paid directly by the owner to the contractor, without prior approval by HCPH may disqualify the bidder.

If selected to complete the STS installation, the contractor will be contacted directly by HCPH. At that time, they will be required to sign a site specific version of the attached contract and submit all required contract paperwork to HCPH. Once verified, a Notice to Proceed will be issued to the contractor by HCPH allowing the selected contractor to begin the installation. All work required must be completed (including final inspection) by December 21, 2018 and following receipt of the Notice to Proceed.

It should be noted that any unexpected changes and/or alterations needed during the performance of work, requires a Contract Change Order (see Contract - Attachment B). Payment for any changed or extra services will not occur without pre-approval using this method. Also note that the contract has special insurance and bid bonding/financial guarantee requirements that must be followed.



Healthy choices. Healthy lives. Healthy communities.



PREVENT. PROMOTE. PROTECT.

For the WPCLF portion of the payment to occur, HCPH must approve the final STS installation. After which, the contractor must submit to HCPH an invoice, by December 27, 2018, to document the incurred costs for the repair/replacement along with an approval certificate issued by HCPH. Upon verification of this information, HCPH will send a request to Ohio EPA for reimbursement of the eligible system repair/replacement costs. After confirmation by Ohio EPA, the Ohio Water Development Authority will distribute the funding to HCPH, who will then pay the contractor the approved amount. Any portion of the approved bid amount not covered by the WPCLF must be paid directly by the property owner to the contractor.

At this time, if you would like to remain eligible for the WPCLF, you must solicit quotes/bids, on behalf of HCPH, for your STS replacement project. When submitting each bid/quote, the contractor must include a completed, signed and dated copy of the following attachments:

- i Hamilton County Bid Proposal Form
- i Contractor Equal Employment Opportunity (EEO) Certification Form
- i Certification Regarding Debarment, Suspension, and Other Responsibility Matters Form
- i American Iron and Steel (AIS) Form

At least three bids/quotes should be collected by you and be submitted together to HCPH with the items listed above and below, on or before September 7, 2018, to:

Hamilton County Public Health
Attn: Chris Griffith
250 William Howard Taft
Cincinnati, OH 45219

With the required quotes, please include documentation of payments made for any eligible costs which you have already paid toward the STS design. Those eligible costs can be counted as part of the matching percentage which you may owe toward the total STS replacement cost.

If you have any questions concerning this program, please feel free to contact me directly at 946-7866.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Griffith RS".

Christopher M. Griffith, RS
Director of Water Quality

Hamilton County Bid Proposal Form

Contractor Name: _____

Contractor Address: _____

Contractor Phone(s): _____

Project Address: _____

Bid Due Date: _____

Total Amount of Bid: _____

Total Amount in Written Words: _____

Signature, Printed Name, Contractor

Date

I will begin the work within upon receipt of the written Design Contract and Notice to Proceed Order, and will complete the work within 45 days, unless otherwise agreed to by Hamilton County Public Health.

The above total price includes all materials, labor and other costs such as overhead, permits, sales tax and profit. This bid is valid for a period of 30 days after the date this proposal is received by Hamilton County Public Health.

Mail Bid Packet to: Hamilton County Public Health

Attn: Chris Griffith
250 William Howard Taft
Cincinnati, OH 45219

Contractor Equal Employment Opportunity Certification

During the performance of this contract, the undersigned agrees as follows:

1. The undersigned will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The undersigned will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The undersigned agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this equal opportunity (federally assisted construction) clause.
2. The undersigned will, in all solicitations or advertisements for employees placed by or on behalf of the undersigned, state the all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.
3. The undersigned will send to each labor union or representative of workers, with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the undersigned's commitment under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. The undersigned will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
5. The undersigned will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and relevant orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records and accounts by the administering agency of the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
6. In the event of the undersigned's non compliance with the equal opportunity (federally assisted construction) clause of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated or suspended in whole or in part, and the undersigned may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No 11246 of September 24, 1965, or by rules, regulations, or order of the Secretary of Labor, or as provided by law.
7. The undersigned will include this equal opportunity (federally assisted construction) clause in every subcontract or purchase order unless exempted by the rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order No 11246 of September 24, 1965, so that such provision will be binding upon each subcontract or vender. The undersigned will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for non-compliance: Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor, as a result of such direction by the administering agency the undersigned may request the United States to enter into such litigation to protect the interest of the United States.

(Signature)

(Date)

(Name and Title of Signer, Please type)

(Firm Name)

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and its principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (b) of this certification;
- (d) Have not within a three year period preceding this application / proposal had one or more public transactions (Federal, State, or local) terminated for cause or default; and
- (e) Will not utilize a subcontractor or supplier who is unable to certify (a) through (d) above.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to 5 years, or both.

Type Name & Title of Authorized Representative

Signature of Authorized Representative

Date

I am unable to certify to the above statements. My explanation is attached.

Certification Regarding Debarment, Suspension, and Other Responsibility Matters
INSTRUCTIONS

Under Executive Order 12549 an individual or organization debarred or excluded from participation in Federal assistance or benefit programs may not receive any assistance award under a Federal program or a subagreement thereunder for \$25,000 or more.

Accordingly, each prospective recipient of an EPA grant, loan, or cooperative agreement and any contract or subagreement participant thereunder must complete the attached certification provide an explanation why they cannot. For further details, see 40 CFR 32.510, Participants' responsibilities, in the attached regulation.

Go to <https://www.sam.gov/portal/SAM/##11> to access the Excluded Parties List System (EPLS). The EPLS includes information regarding entities debarred, suspended, proposed for debarment, excluded or disqualified under the nonprocurement common rule, or otherwise declared ineligible from receiving Federal contracts, certain subcontracts, and certain Federal assistance and benefits. This information may include names, addresses, DUNS numbers, Social Security Numbers, Employer Identification Numbers or other Taxpayer Identification Numbers, if available and deemed appropriate and permissible to publish by the agency taking the action.

Where To Submit

The prospective EPA grant, loan, or cooperative agreement recipient must return the signed certification or explanation with its application to the appropriate EPA Headquarters, Regional office, or Ohio EPA, as required in the applications.

A prospective prime contractor must submit a complete certification or explanation to the individual or organization awarding the contract.

Each prospective subcontractor must submit a complete certification or explanation to the prime contractor for the project.

Applicants may reproduce these materials as needed and provide them to their prospective prime contractor, who, in turn, may reproduce and provide them to prospective subcontractors.

Additional copies / assistance may be requested from:

Ohio EPA
Division of Environmental and Financial Assistance
P.O. Box 1049
Columbus, Ohio
43216 1049 (614)
644 2798

<http://epa.ohio.gov/defa/EnvironmentalandFinancialAssistance.aspx>

American Iron and Steel Acknowledgement

The Contractor acknowledges to and for the benefit of _____ (“Purchaser”) and the State of Ohio (the “State”) that it understands the goods and services under this Agreement are being funded with monies made available by the Clean Water State Revolving Fund and/or Drinking Water State Revolving Fund that have statutory requirements commonly known as “American Iron and Steel;” that requires all of the iron and steel products used in the project to be produced in the United States (“American Iron and Steel Requirement”) including iron and steel products provided by the Contractor pursuant to this Agreement. The Contractor hereby represents and warrants to and for the benefit of the Purchaser and the State that (a) the Contractor has reviewed and understands the American Iron and Steel Requirement, (b) all of the iron and steel products used in the project will be and/or have been produced in the United States in a manner that complies with the American Iron and Steel Requirement, unless a waiver of the requirement is approved, and (c) the Contractor will provide any further verified information, certification or assurance of compliance with this paragraph, or information necessary to support a waiver of the American Iron and Steel Requirement, as may be requested by the Purchaser or the State. Notwithstanding any other provision of this Agreement, any failure to comply with this paragraph by the Contractor shall permit the Purchaser or State to recover as damages against the Contractor any loss, expense, or cost (including without limitation attorney’s fees) incurred by the Purchaser or State resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the State or any damages owed to the State by the Purchaser). While the Contractor has no direct contractual privity with the State, as a lender to the Purchaser for the funding of its project, the Purchaser and the Contractor agree that the State is a third-party beneficiary and neither this paragraph (nor any other provision of this Agreement necessary to give this paragraph force or effect) shall be amended or waived without the prior written consent of the State.

Signature _____ Date _____

Name and Title of Authorized Signatory, Please Print or Type _____

Bidder’s Firm _____

Check here if the WPCLF or WSRLA applicant will be requesting an individual waiver for non-American made iron and steel products. Please note that the waiver box does not need to be marked for nationwide waivers.

CONSTRUCTION CONTRACT
HAMILTON COUNTY PUBLIC HEALTH
With xxxxxxxxxxxxxxxx
xxxx xxxxxxxxxxxxxxxx Road
Dated xxxx, xx 2018

PROJECT: HOUSEHOLD SEWAGE TREATMENT SYSTEM REPAIR/REPLACEMENT PROJECT

This CONTRACT, made and entered into at HAMILTON COUNTY, Ohio, on xxxx xx, 2018 by the HAMILTON COUNTY PUBLIC HEALTH, hereinafter referred to as "HCPH"); and xxxxxxxxxxxxxxxx (hereinafter referred to as "CONTRACTOR").

WITNESSETH, the HCPH and the CONTRACTOR hereby agree as follows:

1. CONTRACT DOCUMENTS

The Contract consists of this document, the Contractor's Bond, the Contractor's Bid, the Design Drawings, the Design Specifications, all Addenda issued prior to execution of this Contract, the Notice To Proceed (Attachment A), all Change Orders (Attachment B) issued subsequent thereto and Federal, State, and/or Local Regulations; and when specified: Labor and Material Bond, Affirmative Action and Equal Opportunity Requirements, Contractor Equal Employment Opportunity Certification Form (Attachment C), Certification Regarding Debarment, Suspension and Other Responsibility Matters Form (Attachment D), and American Iron and Steel Acknowledgement Form (Attachment E).

2. CONTRACT REGULATIONS

Terms and conditions of this Contract shall be governed by the provisions of Chapters 153 and 4115 and Section 149.53 of the Ohio Revised Code, and all applicable local, State and Federal Ordinances, Statutes and Regulations.

The CONTRACTOR agrees not to discriminate against any employee or applicant for employment because of race, creed, sex, handicap, or color, including, but not limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation and selection for training, including apprenticeship. All records, manuals, forms, drawings, schedules, lists, surveys, specifications, designs, and other data pertaining to the work specified in this contract are and shall remain the sole property of the HCPH. The use of any Subcontractor must be reported to the HCPH and they shall be bound by the same requirements as the CONTRACTOR.

3. BONDING

A bond or other form of financial guarantee shall be submitted by the CONTRACTOR in accordance with Sections 153.54/307.89 of the Ohio Revised Code and Section 3.4 of the Water Pollution Control Loan Agreement for the full amount of the Contractor's Bid.

4. THE WORK

The CONTRACTOR shall perform and complete all work of the Project required by the Contract Documents for xxxx xxxxxxxx Road, supplying all the labor, materials, supervision, tools and equipment required by the Installation Permit, Design, Project and Contract Documents; shall proceed in a prompt and diligent manner, and shall do the several parts thereof at such times and in such order as the HCPH may direct, and shall execute, construct, finish, and test when required, the Project in an expeditious, substantial and workmanlike manner to the satisfaction of HCPH, and to the final acceptance of the Project by HCPH

5. TIME OF COMMENCEMENT AND COMPLETION

The CONTRACTOR shall commence work upon receipt of the written Notice To Proceed (Attachment A) issued by HCPH. The CONTRACTOR shall complete the Project work by xxxxxx xxxx, 201x and following the Notice To Proceed.

6. RIGHTS OF ACCESS

The signatories agree to ensure that the Director or its duly authorized agents shall have the right at all reasonable times to enter upon the Project Site(s) and Project Facilities, and to examine and inspect the same and to exercise the Director's rights pursuant to the WPCLF Assistance Agreement.

7. CONTRACT CONFLICTS

In the event of a conflict between the contract and the WPCLF Assistance Agreement, the provisions of the WPCLF Agreement shall prevail.

8. CONTRACT SUM

Hamilton County Public Health, utilizing OHIO EPA funding, shall pay the CONTRACTOR for the performance of the Work, up to the sum of \$xx,xxx.xx (xx% of eligible costs paid by HCPH with xx% covered by the property owner) subject to additions and deductions by Change Orders (Attachment B) properly approved and executed. All properly approved and executed Change Orders for increases will be paid by HCPH, utilizing

OHIO EPA funding, and/or homeowner contribution. Neither HCPH nor OHIO EPA will responsible for additional reinspection fees.

9. PAYMENTS

Based upon Applications for Payment submitted to the HCPH by the CONTRACTOR, and after installation approval by HCPH, the contractor shall submit an invoice that documents costs all incurred to HCPH. The invoice shall detail the services rendered, including charge rates, number of hours, materials or supplies consumed, and other information needed to support the invoice to HCPH. Upon verification of this information, HCPH will send a request to Ohio EPA for reimbursement of the eligible costs. After confirmation by Ohio EPA, the Ohio Water Development Authority will distribute the funding to HCPH, who will then pay the Contract Sum to the CONTRACTOR as provided in Chapter 153 of the Ohio Revised Code and after payment is received from the Ohio EPA.

10. NEGLECT, DEFAULT, DELAY, ETC.

Hamilton County Public Health or Hamilton County Board of Health shall not be liable to the CONTRACTOR for any neglect, default, delay, or interference of or by another contractor, nor shall any such neglect, default, delay, or interference of or by another contractor, or alteration which may be required in said Work within the time aforesaid, or from the damage to be paid in default thereof. The CONTRACTOR shall pay HCPH \$200.00 for each and every calendar day of completion the Project is delayed beyond the date fixed for completion in Section 3 herein.

11. INSURANCE

The Insurance Specifications for Contractors and their subcontractors are as follows:

- A. All insurance required herein shall be issued by companies licensed to do business in Ohio, and which are rated not less than A: VII by A. M. Best.
- B. Commercial General Liability insurance with commercial general liability form GC 00 01 or its equivalent, with limits of at least \$1,000,000 per occurrence and \$1,000,000 in the aggregate covering death, bodily injury, and property damage. Coverage must include premise and operations, contractual liability, third party property damage, severability of interest, completed operations coverage, maintained for at least three years beyond the date of the contractor's

completion of the work, waiver of subrogation, and waiver of "cross claim exclusion between insured's".

- C. Business auto liability insurance of at least \$1,000,000 combined single limit, on all owned and non-owned leased and hired automobiles.
- D. Umbrella and excess liability policies of at least \$1,000,000, per occurrence and in the aggregate, above the underlying General Liability and business auto policies. Coverage must include drop down features, concurrency of effective dates; aggregates in the primary apply in the Umbrella, waiver of subrogation.
- E. The Commercial General Liability and business auto policies must endorse the Board of Health of Hamilton County, Ohio, their employees, officials, agents and volunteers as additional insureds. Further these policies must waive subrogation claims against the aforesaid individuals.
- F. Owner shall require its contractors and subcontractors to provide Workers' Compensation Insurance coverage at the statutory limits required by the Ohio Revised Code. The Contractor shall provide Workers Compensation Insurance for all employees engaged in Work who may come within the protection of the workers compensation law, and, where applicable, employer's General Liability Insurances for employees not so protected and shall require all Subcontractors to provide corresponding insurance. The Contractor shall indemnify the Owner, Hamilton County Board of Health, their employees, officials, agents and volunteers and the Consulting Engineer against any and all liabilities, cost and expenses due to accidents or other occurrences covered by the workers compensation law.
- G. Each policy required herein may not be canceled or materially changed except upon thirty days prior written notice given to: Hamilton County Public Health, 250 William Howard Taft, Cincinnati, Ohio 45219.
- H. Maintenance of the insurance required hereunder is a material element of this Agreement. Material changes of the required coverage or cancellation of the coverage in violation of subsection G, above, is a material breach of this Agreement.
- I. Builders Risk: In addition to such fire and other physical damage insurances as the Contractors

elects to carry for his own protection, he shall also secure and maintain in the name of the Owner, the government agency sponsoring the Project, Subcontractors, the Consulting Engineer and any other parties having an interest in the Project, as named insured as their interest may appear; a builders' risk policy for fire, extended coverage, vandalism and malicious mischief in the amount of one hundred (100) percent of the value of the complete parts of the Project and Materials in storage, except that such coverage shall not be required in connection with sewer, water main or paving construction. Pump or lift station construction shall not be considered sewer or water main construction for purposes of this paragraph.

J. Contractor's Public Liability and Property Damage Liability Insurance:

Contractor's Public Liability Insurance providing a limit of not less than \$500,000 for all damages arising out of bodily injuries, including accidental death to one person, and a total limit of 1,000,000 for all damages arising out of bodily injuries, including accidental death, to two or more persons in any one occurrence. Contractor's Property Damage Liability Insurance providing for a limit on not less than \$500,000 for all damages to or destruction of property.

Coverage under this policy shall include, to the limits indicated above, the collapse or damage to any structure, building or its contents, public or private utility, or pavement during construction and for two (2) years thereafter.

Whenever Work under the Contract is to be done in the vicinity of existing underground utilities or structures, coverage under the policy shall also include, to the limits indicated, all damages to said underground utilities or structures during construction and for a period of two (2) years thereafter. Whenever Work under the Contract is to be done by blasting, coverage under the policy shall also include, to the limits indicated above, all damages of any kind whatsoever caused by blasting.

K. Contractor's Protective Public Liability and Property Damage Liability

Insurance: Contractor's Protective Public Liability and Property Damage Liability Insurance for operations performed by Subcontractors providing for coverage and limits corresponding to those described in subparagraph J.

- L. Owner's (HCPH) Protective Public Liability and Property Damage Liability
Insurance: Regular Owner's Protective Public Liability and Property Damage Liability Insurance for operations performed by the Contractor or any Sub-contractor providing for coverage and limits corresponding to those specified elsewhere herein.
- M. Railroad Protective Liability Insurance: In any of the Work under this Contract is on railroad R/W, the Contractor shall at its sole cost and expense, procure and provide, for and in behalf of each railroad company. Protective Liability Insurance (AARAASHO form) with minimum limits per occurrence of not less than \$2,000,000 for bodily injury, death and/or property damage, subject to an aggregate limit of \$6,000,000 per annum. The policy shall name each railroad company as the insured and be issued to the Contractor. Each railroad company shall be provided with a copy of each policy of insurance prior to commencement of any work.

Certificates of Insurance

The Contractor shall file a Certificate of Insurance for all coverage required in these Insurance Specifications on the ACORD 25 Form (preferred), and a copy of his current Worker's Compensation Certificate, with the Hamilton County Public Health before starting work on the project, and shall keep such Certificates current and on file with the County for the life of this Contract.

Indemnification Clause

The Contractor agrees to indemnify and save The Board of County Commissioners, Hamilton County Ohio, Hamilton County Board of Health, HCPH, their officials, officers, agents, and employees harmless from any and all losses, claims, actions, costs, expenses, judgments, subrogation's, or other damages resulting from injury to any person (including injury resulting in death), or damage (including loss or destruction) to property of whatsoever nature of any person, firm, or corporation arising out of the errors, omissions or negligent acts of the Contractor in the performance of the terms of this Contract by the Contractor, including but not limited to the Contractor's employees, agents, subcontractors, sub-subcontractors, and others designated by the Contractor to perform work or services in, about, or attendant to, the work and services under the terms of this contract.

Notice To Proceed

The Contractor shall not commence work under this contract until he has obtained all the insurance required herein, has submitted appropriate Certificates of Insurance to and received approval of the County as evidenced by a Notice to Proceed (Attachment A).

Subcontractors

The Insurance Specifications apply equally to all subcontractors and sub-subcontractors at any tier during the period of their work on the project. The Prime Contractor shall be solely responsible for his subcontractor's liability if he permits the Sub to work on the project without the Sub having been issued a Notice to Proceed by the County.

12. FAILURE TO COMPLY

If the CONTRACTOR shall fail to comply with any of the terms, conditions, provisions or stipulations of this Contract, HCPH may avail itself of any and all remedies provided in their behalf in the Contract, and shall have the right and power to proceed in accordance with the provisions thereof.

13. RESOLUTION OF DISPUTES

In the event of a dispute covering additional costs, claims and any other matter arising out of or relating to this Contract, or the breach thereof, such disputes shall be decided by submission to a court of competent jurisdiction within one (1) year of the date upon which HCPH accepts and approves the project for use. The CONTRACTOR hereby waives any right to rely upon the statute of limitations for actions on contracts.

Failure to bring an action within one year of the above date shall constitute a bar to such action. If, however, within ten (10) days of the specific event giving rise to the disputed matter, the CONTRACTOR gives HCPH, by written notice, a request to submit the matter to arbitration, HCPH and the CONTRACTOR may agree, within sixty (60) Days of receipt of the above notice, to submit the matter to arbitration as set forth below.

If the parties agree, by written change order signed by HCPH, the Ohio EPA, and the CONTRACTOR, to submit such dispute to arbitration, all proceedings shall be according to Ohio Revised Code Chapter 2711, and, unless waived, the Ohio Rules of Civil Procedure and the Ohio Rules of Evidence. HCPH and the CONTRACTOR shall each choose one arbitrator. The two arbitrators shall agree upon and choose a third arbitrator, who shall preside over the proceedings.

Compensation of the arbitrators shall be as agreed upon by HCPH, the CONTRACTOR and the arbitrators. Payment for the arbitrators shall be shared equally by HCPH and the CONTRACTOR. The CONTRACTOR shall deposit, as a precondition to commencement of the hearing, its equal share of the compensation of the arbitrators with HCPH to be placed in an account for that purpose, or with an escrow agent suitable to both parties. The hearing or the arbitration shall commence within sixty (60) days of the agreement to arbitrate. If the hearing is not commenced within sixty (60) days of the agreement to arbitrate, said agreement shall be void and the dispute shall be resolved by submission to a court of competent jurisdiction as herein before specified. The award rendered by the arbitrators shall be final, and judgment may be entered upon it in any court having jurisdiction thereof. All questions with regard to the rights and authority of the arbitration panel shall be resolved pursuant to Chapter 2711, of the Ohio Revised Code.

14. IN FORCE AND EFFECT

Subject to the applicable provisions of law, this contract shall be in full force and effect from and after the date when a fully executed and approved counterpart hereof is forwarded to the CONTRACTOR, but the CONTRACTOR shall not start work on the Project until written notification to proceed is received from HCPH.

15. Executive Order 11246 Sec.202

Except in contracts exempted in accordance with Section 204 of this Order, all Government contracting agencies shall include in every Government contract hereafter entered into the following provisions:

During the performance of this contract, the contractor agrees as follows:

- A. The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer, recruitment, or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of the nondiscrimination clause.

- B. The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.
- C. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, and shall post copies of this notice in conspicuous places available to employees and applicants for employment.
- D. The contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- E. The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- F. In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be cancelled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, or by rule regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- G. The contractor will include the provisions of Paragraphs (A) through (G) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the contracting agency may direct as

a means of enforcing such provisions, including sanctions for noncompliance; provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

16. Violating Facilities Clause

The Contractor agrees to comply with all applicable standards, orders or requirements under Section 306 of the Clean Air Act, 42 USC 1857 (h), Section 508 of the Clean Water Act, 33 USC 1368, Executive Order 11738, and EPA regulations, 40 CFR Part 32, which prohibits the use under non-exempt Federal contracts, grants, or loans of facilities included on the EPA List of Violating Facilities.

17. Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The Contractor certifies to the best of its knowledge and belief that it and its principles:

- A. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or Agency;
- B. Have not within a year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or Local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
- C. Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or Local) with commission of any of the offenses enumerated in paragraph (B) of this certification;
- D. Have not within a three year period preceding this application / proposal had one or more public transactions (Federal, State, or Local) terminated for cause or default' and
- E. Will not utilize a subcontractor or supplier who is unable to certify (A) through (D) above.

IN WITNESS WHEREOF, the County and the Contractor affix their signatures:

WITNESS:

HAMILTON COUNTY PUBLIC HEALTH

Health Commissioner

Date

WITNESS:

CONTRACTOR: _____

By: _____

Title

Contractor to complete applicable paragraph below:

_____ A Corporation organized under the Laws of _____ and qualified
to do business in the State of Ohio.

_____ Co-partners trading and doing business under the firm name and style of

_____ List names of all Partners _____

Or Joint Venture Participants _____

_____ An individual doing business under the firm name and style of

ATTACHMENT A
HAMILTON COUNTY PUBLIC HEALTH
NOTICE TO PROCEED

Date _____
Contractor Name
Street Address
City, State, Zip Code

Notice To Proceed With: _____

Enclosed is your copy of the completely executed contract in the amount of \$_____ to be paid from the _____ fund.

You are hereby authorized and notified to PROCEED with the repair or replacement of the household sewage treatment system located at _____ in accordance with all terms and conditions of your contract with HCPH. This includes by reference the specifications upon which you bid.

Sincerely,

Tim Ingram
Health Commissioner, Hamilton County Public Health

ATTACHMENT B
State of Ohio
 WATER POLLUTION CONTROL LOAN FUND (WPCLF/SRF) HSTS

CONTRACT CHANGE ORDER

RECIPIENT _____ CHANGE ORDER NBR _____
 LOAN NUMBER _____ CONTRACT _____
 OWDA PROJECT No. _____ DATE _____
 Description of Change
 (include address):

APPROVED BY: _____ DATE: _____
 (Health Department Representative)
 ACCEPTED BY: _____ DATE: _____
 (Contractor)

 (Company)

Original Contract Amt		
Previous Changes (+ / --)		
This Change (+ / --)		
Adjusted Contract Amt		
Ohio EPA Acceptance	Date	

ATTACHMENT B

CHANGE ORDER INSTRUCTIONS:

All Change Orders for this work, regardless of costs, must be submitted to Ohio EPA for review.

Changes Requiring Prior Approval

Any change which substantially modifies the Project Facilities as specified in the Ohio EPA approved Facilities Plan and Final Permit to Install or Final Plan Approval (when applicable) or alters the direct or indirect impact of the Project Facilities upon the environment must be incorporated into a Change Order. One copy of the Change Order prior to execution is to be submitted to Ohio EPA for review and prior approval of the acceptability of the change. "Prior to execution" means before the Change Order is signed by the Owner.

Ohio EPA will review the Change Order and inform the Owner of the technical, environmental and operational acceptability of the change, and give the Owner permission to proceed with the proposed work.

All Other Changes

Change Orders not requiring prior approval as described above must be submitted to Ohio EPA within one (1) month of the time at which they are approved by the Owner. Change Orders for WPCLF projects should be submitted to the Division of Environmental and Financial Assistance (DEFA).

Change Order Approval Process

After the Change Order is executed, one (1) copy of the Change Order, including the supporting documentation, is to be sent to Ohio EPA for final review. The HSTS Change Order form must have original signatures.

Health Departments should submit change orders electronically to the DEFA Engineer who reviewed and approved their project.

After the Change Order is accepted and eligible costs determined, Ohio EPA will return a signed copy of the HSTS Change Order form.

Payments for Change Order Work

The Owner is precluded from submitting to the OWDA payment requests for Eligible Project Costs associated with the Change Orders until the Ohio EPA's approval of the Change Orders has been obtained.

ATTACHMENT C
Contractor Equal Employment Opportunity Certification

During the performance of this contract, the undersigned agrees as follows:

8. The undersigned will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The undersigned will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The undersigned agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this equal opportunity (federally assisted construction) clause.
9. The undersigned will, in all solicitations or advertisements for employees placed by or on behalf of the undersigned, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.
10. The undersigned will send to each labor union or representative of workers, with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the undersigned's commitment under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
11. The undersigned will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
12. The undersigned will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and relevant orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records and accounts by the administering agency of the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
13. In the event of the undersigned's non compliance with the equal opportunity (federally assisted construction) clause of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated or suspended in whole or in part, and the undersigned may be declared ineligible for further Government contracts of federally assisted construction contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rules, regulations, or order of the Secretary of Labor, or as provided by law.
14. The undersigned will include this equal opportunity (federally assisted construction) clause in every subcontract or purchase order unless exempted by the rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order No. 11246 of September 24, 1965, so that such provision will be binding upon each subcontract or vendor. The undersigned will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for non compliance: Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor, as a result of such direction by the administering agency the undersigned may request the United States to enter into such litigation to protect the interest of the United States.

(Signature)

(Date)

(Name and Title of Signer, Please type)

(Firm Name)

ATTACHMENT D

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and its principals:

- (f) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (g) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (h) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (b) of this certification;
- (i) Have not within a three year period preceding this application / proposal had one or more public transactions (Federal, State, or local) terminated for cause or default; and
- (j) Will not utilize a subcontractor or supplier who is unable to certify (a) through (d) above.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to 5 years, or both.

Type Name & Title of Authorized Representative

Signature of Authorized Representative

Date

I am unable to certify to the above statements. My explanation is attached.

ATTACHMENT D

Certification Regarding Debarment, Suspension, and Other Responsibility Matters INSTRUCTIONS

Under Executive Order 12549 an individual or organization debarred or excluded from participation in Federal assistance or benefit programs may not receive any assistance award under a Federal program or a subagreement thereunder for \$25,000 or more.

Accordingly, each prospective recipient of an EPA grant, loan, or cooperative agreement and any contract or subagreement participant thereunder must complete the attached certification provide an explanation why they cannot. For further details, see 40 CFR 32.510, Participants' responsibilities, in the attached regulation.

Go to <https://www.sam.gov/portal/SAM/##11> to access the Excluded Parties List System (EPLS). The EPLS includes information regarding entities debarred, suspended, proposed for debarment, excluded or disqualified under the nonprocurement common rule, or otherwise declared ineligible from receiving Federal contracts, certain subcontracts, and certain Federal assistance and benefits. This information may include names, addresses, DUNS numbers, Social Security Numbers, Employer Identification Numbers or other Taxpayer Identification Numbers, if available and deemed appropriate and permissible to publish by the agency taking the action.

Where To Submit

The prospective EPA grant, loan, or cooperative agreement recipient must return the signed certification or explanation with its application to the appropriate EPA Headquarters, Regional office, or Ohio EPA, as required in the applications.

A prospective prime contractor must submit a complete certification or explanation to the individual or organization awarding the contract.

Each prospective subcontractor must submit a complete certification or explanation to the prime contractor for the project.

Applicants may reproduce these materials as needed and provide them to their prospective prime contractor, who, in turn, may reproduce and provide them to prospective subcontractors.

Additional copies / assistance may be requested from: Ohio EPA
Division of Environmental and Financial Assistance
P.P. Box 1049
Columbus, Ohio
43216 1049 (614)
644 2798

<http://epa.ohio.gov/defa/EnvironmentalandFinancialAssistance.aspx>

ATTACHMENT E

American Iron and Steel Acknowledgement

The Contractor acknowledges to and for the benefit of _____ ("Purchaser") and the State of Ohio (the "State") that it understands the goods and services under this Agreement are being funded with monies made available by the Clean Water State Revolving Fund and/or Drinking Water State Revolving Fund that have statutory requirements commonly known as "American Iron and Steel;" that requires all of the iron and steel products used in the project to be produced in the United States ("American Iron and Steel Requirement") including iron and steel products provided by the Contactor pursuant to this Agreement. The Contractor hereby represents and warrants to and for the benefit of the Purchaser and the State that (a) the Contractor has reviewed and understands the American Iron and Steel Requirement, (b) all of the iron and steel products used in the project will be and/or have been produced in the United States in a manner that complies with the American Iron and Steel Requirement, unless a waiver of the requirement is approved, and (c) the Contractor will provide any further verified information, certification or assurance of compliance with this paragraph, or information necessary to support a waiver of the American Iron and Steel Requirement, as may be requested by the Purchaser or the State. Notwithstanding any other provision of this Agreement, any failure to comply with this paragraph by the Contractor shall permit the Purchaser or State to recover as damages against the Contractor any loss, expense, or cost (including without limitation attorney's fees) incurred by the Purchaser or State resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the State or any damages owed to the State by the Purchaser). While the Contractor has no direct contractual privity with the State, as a lender to the Purchaser for the funding of its project, the Purchaser and the Contractor agree that the State is a third-party beneficiary and neither this paragraph (nor any other provision of this Agreement necessary to give this paragraph force or effect) shall be amended or waived without the prior written consent of the State.

Signature

Date

Name and Title of Authorized Signatory, Please Print or Type

Bidder's Firm

Check here if the WPCLF or WSRLA applicant will be requesting an individual waiver for non- American made iron and steel products. Please note that the waiver box does not need to be marked for nationwide waivers.



250 William Howard Taft, 2nd Floor
 Cincinnati, Ohio 45219
 Phone: (513) 946-7800
 Fax: (513) 946-7890
 Web: www.hamiltoncountyhealth.org

Sub./Lot Review: _____ Fee Paid: \$390.00
 Complaint: _____ Receipt #: _____
 Other: _____ Received By: DRB

HAMILTON COUNTY GENERAL HEALTH DISTRICT

APPLICATION TO CONSTRUCT OR REPLACE A SEWAGE TREATMENT SYSTEM

APPLICANT TO FILL OUT SHADED SECTIONS ONLY

NEW REPLACEMENT (Plumbing Permit Required If All Wastewater Is Not Directed To Septic System)

Address of Construction Site: 11935 Mill Rd Cincinnati OH 45240 Political Subdivision: Springfield TWP

Owner(s) Name: Duante Garr Tax Parcel # 590-0412-0008-00 Lot Size 0.505 acre(s)

Phone Number: 513-292-2919

Mailing Address: 11935 Mill Rd Cincinnati OH 45240

Plumbing Under Basement Ejector Pit Hung Sewer

System To Serve: Single Family Duplex Triplex Other

Water Supply: Public (Water Supplier) Private Well Cistern Hauled Water

Number of Bedrooms: 3 Number of People in Structure: _____ Monthly Water Usage: 1600 gal

Water Softener Garbage Disposal Whirlpool Style Tub High Capacity Shower

Other Large Water Usage Fixtures

Soil Type / Characteristics: see soil report

STS Daily Design Flow: 360 STS Average Design Flow: 216 Soil Absorption Rate: _____ Linear Loading Rate: _____

Sewage Treatment System Type: Aquasafe AP4 w/ UV + pumped discharge

Primary Treatment Tank: Building Sewer 4" SCH 40 PVC

Controls 202 FSP + TUD 4

Trash Trap _____ Gallons _____ Compartment(s) _____

Septic Tank _____ Gallons _____ Compartment(s) _____

Dosing Tank _____ Gallons _____ Compartment(s) _____

Dosing Septic Tank _____ Gallons _____ Compartment(s) _____

Dosing Basin _____ Gallons _____ Compartment(s) _____

Effluent Filter _____ Diameter or _____ x _____

Screen Vault Filter _____ Pump Siphon Gravity

Other _____

Comments: All tanks must be weathertight
electrical inspection required
old septic tank must be properly abandoned w/ all paperwork submitted

Secondary Treatment Unit:

Intermittent Sand Filter _____ ft x _____ ft = _____ ft²

Recirculating Gravel Filter _____ ft x _____ ft = _____ ft²

Recirculating Sand Filter _____ ft x _____ ft = _____ ft²

Recirculating Textile Filter _____ ft x _____ ft = _____ ft²

Peat Biofilter _____ Manufacturer _____ Unit(s) _____

Aerobic Treatment Unit Aquasafe ASSDOL C4-EZ ST3 Manufacturer 500 GPD

Other _____

Filter Following Treatment Unit _____ Pump EPH30

Dosing Basin _____ Depth _____ Diameter or _____ x _____ Siphon

Soil Absorption (See Below) Gravity

Comments: Installer must follow inspection protocol found in HCGHD installers manual
Date volume = 17.4 gal + drain back
outside patio drain must be directed away from STS

Soil Absorption Component:

Gravel Pad _____ ft x _____ ft = _____ ft² _____ Depth

Leaching Trenches _____ ft x _____ ft = _____ ft² _____ Depth _____ Total Ln. Ft.

Leach Bed _____ ft x _____ ft = _____ ft² _____ Depth

At-Grade _____ ft x _____ ft = _____ ft² _____ Depth

Modified Mound _____ ft x _____ ft = _____ ft² _____ Sand Thickness

Wisconsin Mound _____ ft x _____ ft = _____ ft² _____ Sand Thickness

Other _____

Gravity Distribution

Drip Distribution

LPP Distribution

Comments: * 2' x 10' #2 rmp req required at outlet
* All manufacturer specs must be followed in anti-leakage

Drainage Enhancement:

Gradient Drain _____ Depth

Interceptor Drain _____ Depth

Diversion Swale

Other

Pump

Disinfection Device:

Chlorinator

Chlorine Contact Chamber

De-Chlorinator

UV UV disinfecter

Other

Comments: _____

Remarks: A preconstruction conference is required at the site. The installers must have entire system laid out prior to the meeting.

Refer to Site Plan 11935-112 For Additional Details And Install System Per HCGHD Manual.

ODH System Type: Pretreat SDG Pretreat SDG & Drip Below Grade At or Above Grade Drip Only NPDES Discharge Spray/Surface App. None of the Above

By my signature below I certify that I have read, I understand, and I agree to comply with the conditions set forth on the reverse hereof.

Owner's/Owner's Agent Signature: [Signature] Date: March 8, 2018

Field Inspection By: [Signature] Date: 4-4-2018 Approved By: [Signature] Date: 7/5/18

This Application Expires One Year From The Approved By Date. Replacement Systems Must Be Installed Within 90 Days of Approval Date.

RECEIVED MAR 09 2018

Address of Construction Site: 11935 Mill Rd Political Subdivision: Springfield File #: PT12018022

RECEIVED MAY 03 2018



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

April 25, 2018

DUANTE GARR
11935 MILL RD
CINCINNATI, OH 45240

RE: Approval of coverage under Ohio EPA NPDES General Permit for Household Sewage Treatment Systems (NPDES Permit No. OHK000003)

Dear Permittee:

The Ohio Environmental Protection Agency has received the Notice of Intent (NOI) for coverage under the general permit for:

Property Location: 11935 MILL RD
County: HAMILTON
City(ies) and Township(s): CINCINNATI
Facility Permit Number: 1GK00890*AG

This property is approved for coverage under the Ohio EPA general permit. Please use your Ohio EPA Facility permit number in all future correspondence. Enclosed is a copy of the homeowner factsheet outlining homeowner responsibilities under the general permit.

You may obtain a copy of the General NPDES Permit No. OHK000003 , current Notice of Intent (NOI), Notice of Termination (NOT) and permit transfer forms at:

http://epa.ohio.gov/dsw/permits/GP_HouseholdSewageTreatmentPlants.aspx

Please read and review the permit carefully. The permit contains requirements and prohibitions with which you must comply. Coverage remains in effect until after a renewal general permit is issued. We will contact you on how and when to reapply for continuing coverage.

If you need to speak to someone directly, you should call a representative of your local general health district or Household Sewage Treatment System staff of the Ohio EPA Division of Surface Water at (614) 644-2001.

Sincerely,

A handwritten signature in black ink that reads "Craig W. Butler".

Craig W. Butler,
Director

HAMILTON

Health Department



Deaton Soil Services, LLC
1427 Concord Fairhaven Rd.
Eaton, OH 45320
Cell: (937) 533-9991
Home: (937) 456-9559

Wednesday, January 31, 2018

Smallwood Septic Solutions
1575 Hogue Road
Hamilton, OH 45013
513-844-1717

Dear Mr. Smallwood,

Enclosed you will find the requested detailed soil evaluation for the property at 11935 Mill Road in Hamilton County Ohio. The soil evaluation was the result from the need for a replacement sewage treatment system for the existing home.

Two detailed soil descriptions along with approximately 20 soil borings were conducted at the proposed location. The sample locations have each been marked with pink glow metal flags and were labeled accordingly to their soil site numbers. The boundary of the proposed location has been marked using pink glow metal flags.

In the packet, you will find 2 technical soil descriptions, a site map marking the locations of the sample sites, and an abbreviations sheet. Copies of this letter, soil descriptions, and site map should be submitted to the Hamilton County Health Department. The Health Department will make the determination as to whether the soil and site area is suitable for onsite sewage treatment.

The soils described in the proposed treatment area contains dense glacial till that ranges from 40 to 60 inches from the surface with a representative depth of 48 inches. As a result of the dense glacial till, the soils of this area contain a perched seasonal high water table at a depth that ranges from 22 to 32 inches from the surface with a representative depth of 26 inches to the 5 percent 2 chroma iron depletions.

Please protect the proposed location from any disturbances by clearly marking the area. Disturbances to the area could result in compaction of the soils and subsequent failure to the sewage treatment system.

If you have any questions, concerns, or need clarification, please feel free to contact me.

Sincerely,

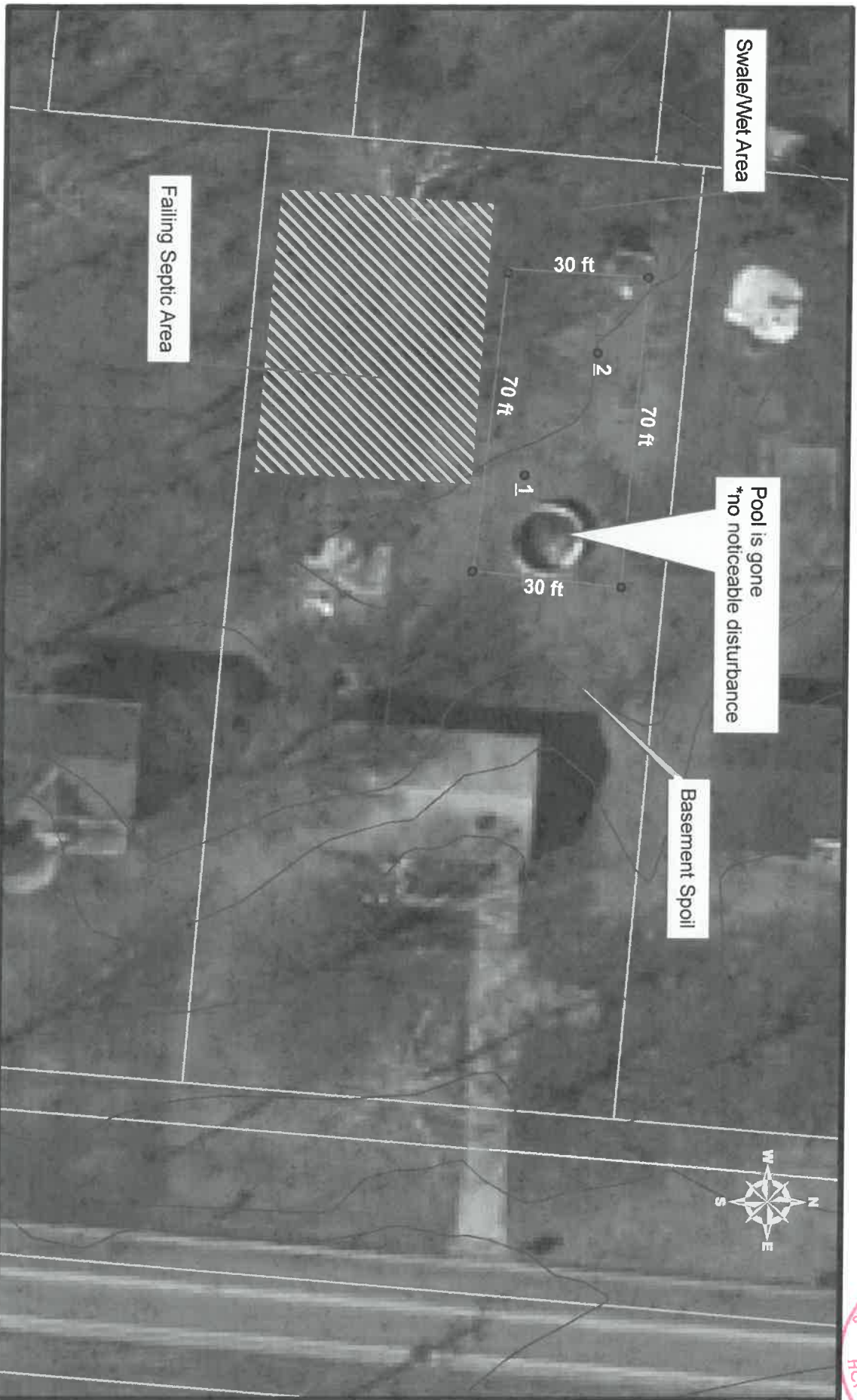
A handwritten signature in black ink, appearing to read 'Matthew H. Deaton', written over a light gray dotted background.

Matthew H. Deaton - Certified Professional Soil Scientist

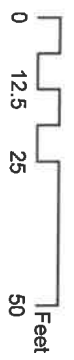


Smallwood Septic Solutions Soil Evaluation

11935 Mill Rd. Cincinnati, Ohio



- Pedon Descriptions
- Potential treatment area
- Property boundary - from GIS
- 2 ft contours




Prepared by:
Matthew Deaton 1/31/18

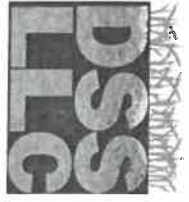


Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Hamilton
 Township / Sec.: 11935 Mill Road
 Property Address/Location: Cincinnati, OH 45240
 Applicant Name: Smallwood Septic Solutions
 Address: 1575 Hogue Road
 Phone #: Hamilton, OH 45013
 Lot #: 513-844-1717
 Test Hole #: 1
 Latitude/Longitude: 84° 32' 36.69"W 39° 17' 58.31"N
 Method: Pit Auger Probe

Land Use / Vegetation: Grass
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 1 to 3
 Shape of Slope: Linear Linear
 Date: Wednesday, January 24, 2018
 Evaluator: Matthew Deaton - CPSS
1427 Concord Fairhaven Rd
Eaton, Ohio 45320

Certification Stamp or Certification #: 330813
 Signature: 
 Phone#: (937)-533-9991



Soil Profile	Estimating Soil Saturation				Estimating Soil Permeability				Other Soil Features		
	Depth (inches)	Matrix Color	Concentrations	Depletions	Class	Texture	Structure	Consistence			
Ap	0-13	10YR 4/3	NA	NA	Silt Loam	Approx. % Clay: 18	Approx. % Fragments: 1	Grade: 1	M	SBK (shape)	FR
App	13-18	10YR 4/3	NA	NA	Silt Loam	18	1	2	M	SBK	FR
Btb1	18-30	10YR 4/6	NA	NA	Silty Clay Loam	32	2	2	M	SBK	FI
Btb2	30-42	10YR 4/6	5% 10YR 5/6 mad	5% 10YR 5/2 mac	Silty Clay Loam	36	2	2	M	SBK	FI
Btb3	42-55	10YR 4/6	25% 10YR 5/6 mad	25% 10YR 5/2 mac	Silty Clay Loam	38	2	2	M	SBK	FI
Chd	55-65	10YR 4/4	10% 10YR 5/6 rpo	10% 10YR 5/2 rpo	Loam	26	5	0	NA	MA	VFI
Limiting Conditions		Depth to (in.)	Descriptive Notes		Remarks / Risk Factors:						
Perched Seasonal Water Table		30	Dense Glacial Till		Presence of perched seasonal water table and dense glacial till.						
Apparent Water Table											
Highly Permeable Material											
Bedrock											
Restrictive Layer		55	Dense Glacial Till								

Note : The evaluation shall include a complete site plan or site drawing including all requirements in paragraphs (B)(1) through (B)(4) of OAC 3701-29-08.

Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Hamilton
 Township / Sec.: 11935 Mill Road
 Property Address/Location: Cincinnati, OH 45240
 Applicant Name: Smallwood Septic Solutions
 Address: 1575 Hogue Road
Hamilton, OH 45013
 Phone #: 513-844-1717
 Lot #: 2
 Test Hole #: 2
 Latitude/Longitude: 84° 32' 37.06"W 39° 17' 58.47"N
 Method: Pit Auger Probe

Land Use / Vegetation: Grass
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 1 to 3
 Shape of Slope: Linear Linear
 Date: Wednesday, January 24, 2018
 Evaluator: Matthew Deaton - CPSS
Deaton Soil Services, LLC
1427 Concord Fairhaven Rd
Eaton, Ohio 45320

Certification Stamp or Certification #: 330813
 Signature: 
 Phone#: (937)-533-9991



Soil Profile	Depth (inches)	Matrix Color	Estimating Soil Saturation		Class	Estimating Soil Permeability		Other Soil Features				
			Munsell Color (hue, value, chroma)	Redoximorphic Features		Texture			Structure			
				Concentrations		Depletions	Approx. % Clay			Approx. % Fragments	Grade	Size
Ap	0-12	10YR 4/3	NA	NA	Silt Loam	18	1	2	M	GR	FR	
BA	12-18	10YR 4/4	NA	NA	Silt Loam	26	2	2	M	SBK	FR	
BI1	18-23	10YR 4/6	NA	NA	Silty Clay Loam	32	2	2	M	SBK	FR	
BI2	23-35	10YR 4/6	10% 10YR 5/6 mad	10% 10YR 5/2 mac	Silty Clay Loam	35	2	2	M	SBK	FI	
BI3	35-45	10YR 4/6	25% 10YR 5/6 mad	25% 10YR 5/2 mac	Silty Clay Loam	36	2	2	M	SBK	FI	
Cd	45-60	10YR 4/4	15% 10YR 5/6 rpo	15% 10YR 5/2 rpo	Loam	25	5	0	NA	MA	VFI	
Limiting Conditions		Depth to (in.)	Descriptive Notes		Remarks / Risk Factors:							
Perched Seasonal Water Table		23	Dense Glacial Till		Presence of perched seasonal water table and dense glacial till.							
Apparent Water Table												
Highly Permeable Material												
Bedrock												
Restrictive Layer		45	Dense Glacial Till									

Note : The evaluation shall include a complete site plan or site drawing including all requirements in paragraphs (B)(1) through (B)(4) of OAC 3701-29-08.

Landforms		
Glacial	Lacustrine & Rel.	Residuum
Till Plain	Lake Plain	Ridge
End Moraine	Beach Ridge	Peak
Outwash Plain	Dune	Knoll
Outwash Terrace	Fluvial	Crest
Beach Ridge	Flood Plain	Hillslope
Kame	Terrace	Interfluve
Esker	Alluvial Fan	

Profile Position
Summit
Shoulder
Backslope
Footslope
Toeslope
Flat
Talf

Shape of Slope
Convex
Concave
Linear
Complex

Horizon Nomenclature		
Master Horizons		Common Horizon Suffixes
O	Predominately organic matter (litter & humus)	a Highly decomposed organic matter
A	Mineral, organic matter (humus) accumulation, loss of Fe, Al, clay	b Buried genetic horizon
E	Mineral, loss of Si, Fe, Al, clay, organic matter	d Densic layer (physically root restrictive)
B	Subsurface accumulation of clay, Fe, Al, Si, humus; sesquioxides; loss of CaCO ₃ ; subsurface soil structure	e Moderately decomposed organic matter
C	Little or no pedogenic alteration, unconsolidated earthy material, soft bedrock	g Strong gley
L	Limnic Soil Material	i Slightly decomposed organic matter
R	Hard bedrock	p Plow layer or artificial disturbance
		r Weathered or soft bedrock
		t Illuvial accumulation of silicate clay
		w Weak color or structure within B
		x Fragipan characteristics
		Horizon Modifiers
		Numeric Prefix: Lithologic Discontinuity
		Numeric Suffix: Subdivision of a master horizon

Redox Locations	
mat	In the matrix
mad	In matrix around depletions
mac	In matrix around concentrations
tot	Throughout
bpf	Between ped faces
apf	On ped faces
spo	On surfaces along pores
rpo	On surfaces along root channels

Soil Texture			
Texture Class Abbreviations		Textural Class Modifiers	
Coarse Sand	cos	Gravelly	gr
Sand	s	Fine Gravelly	fgr
Fine Sand	fs	Medium Gravelly	mgr
Very Fine Sand	vfs	Coarse Gravelly	cgr
Loamy Coarse Sand	lcos	Very Gravelly	vgr
Loamy Sand	ls	Extremely Gravelly	xgr
Loamy Fine Sand	lfs	Cobbly	cb
Loamy Very Fine Sand	lvfs	Very Cobbly	vcb
Coarse Sandy Loam	cosl	Extremely Cobbly	xcb
Sandy Loam	sl	Stony	st
Fine Sandy Loam	fsl	Very Stony	vst
Very Fine Sandy Loam	vfsl	Extremely Stony	xst
Loam	l	Bouldery	by
Silt Loam	sil	Very Bouldery	vby
Silt	si	Extremely Bouldery	xby
Sandy Clay Loam	scl	Channery	cn
Clay Loam	cl	Very Channery	vcn
Silty Clay Loam	sicl	Extremely Channery	xcn
Sandy Clay	sc	Flaggy	fl
Silty Clay	sic	Very Flaggy	vgl
Clay	c	Extremely Flaggy	xfl

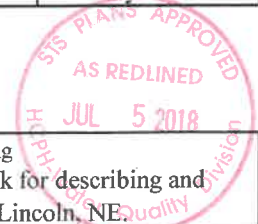
*Estimate approximate clay percentage within 5 percent

Soil Structure					
Grade		Size		Type (shape)	
Structureless	0	Very Fine	vf	Granular	gr
Weak	1	Fine	f	Angular Blocky	abk
Moderate	2	Medium	m	Subangular Blocky	sbk
Strong	3	Coarse	co	Platy	pl
		Very Coarse	vc	Prismatic	pr
		Extr. Coarse	ec	Wedge	weg
		Very Thin*	vn	Columnar	col
		Thin*	tn	Single Grain	sgr
		Thick*	tk	Massive	ma
		Very Thick*	vk	Cloddy	cdy

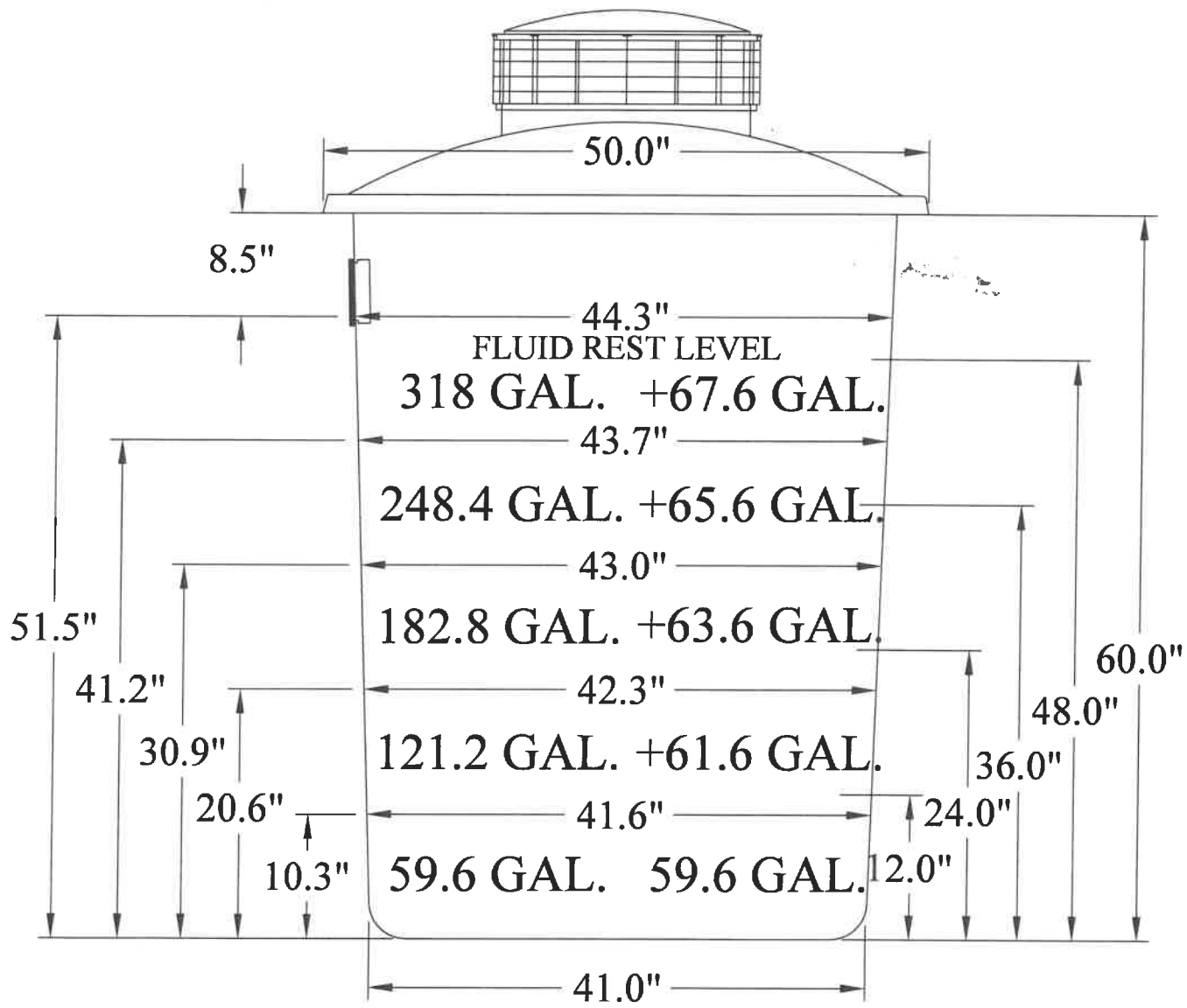
* The sizes Very Thin, Thin, Thick, and Very Thick, are used when describing platy structure only. Substitute thin for fine, and thick for coarse when describing platy structure.

Moist Consistence	
Loose	l
Very Friable	vfr
Friable	fr
Firm	fi
Very Firm	vfi
Extremely Firm	efi

Effervesence	
ne	Noneffervescent
vs	Very Slightly Eff.
sl	Slightly Eff.
st	Strongly Eff.
ve	Violently Eff.



For a more detailed explanation on describing and sampling soils, please refer to the "Field Book for Describing and Sampling Soils". Schoeneberger, P.J., Wysocki, D.A., Benham, E.C., and Broderson, W.D. (editors) 2002. Field book for describing and sampling soils, version 2.0. Natural Resources Conservation Service, USDA, National Soil Survey Center, Lincoln, NE.



FIBERGLASS 300L TANK
Volumetric level breakdown
at nearest tenth gallon.

SEWAGE TREATMENT SYSTEM (STS) Design Plan:

When referring to codes in this design plan use HCPH Resolution A-2015: Policies and Standard Pursuant to Ohio Administrative Code Section 3701-29; Household Sewage Disposal Systems.

For installation instructions, materials, system devices and components and products listed in this design plan use manufactures specs, and contact designers of Smallwood Septic Solutions for information. These Plans and 3701-29 Shall Dictate Design Specifics. HCPH Installation Manual Shall be Used for Procedures and to Supplement Information Not Otherwise Specified. Where conflicts exist, consult Smallwood Septic Solutions for guidance before proceeding.

It is highly recommended to have a copy of the Hamilton County Installation Manual during installation.

Definitions:

- "3701-29-# #" refers to the Ohio Administrative Code.
- "HCPH" = Hamilton County Public Health.
- "IBI" = The Inspection Bureau, Inc. Required for Electrical inspection.
- "O&M" = Operations and Maintenance
- "ODH" = Ohio Department of Health.
- "Section" refers to the HCPH Installer's Manual.
- "STS" = Sewage Treatment System.
- "VSD" = Vertical Separation Distance.

Design Details Applying for NPDES Permit:

This STS design is for an Existing 3 bedroom home with a Daily Design Peak Flow of 360 GPD. The peak flow should not be reached on a routine basis. Average flows of 216 GPD can be accommodated routinely with typical residential wastewater strength as specified in Ohio Administrative Code (OAC) 3701-29 for households.

Due to property constraints (Length on Contour) proven on site map, onsite STS could not be designed for this property. Owner chose an Aqua Safe AS500L 5+3 Pump tank with UV Disinfection and Post Aeration, 202 FSP2 control panel with Pump Lockout.

This is approved for NPDES open discharge using Aeration, UV disinfection and Re-Aeration before directly discharging on property. Duante Garr, the Homeowner of the property has agreed to follow all required Ohio EPA Steps for permitting an NPDES Open discharge system, with the Specifications shown above.

Changes and Use of This Design

It is the responsibility of the contractor to verify that the system can be installed as designed, based on their preliminary lay-out of the job. It is the responsibility of the installer and property owner to inform the designer of any conditions on the site, or otherwise, that may affect the installation, operation or maintenance of the STS, including site disturbances that may affect the performance of a soil absorption component. If design changes are needed, redesign fees may apply. The designer will be available to make adjustments.

System Protection

Property owner and installer are responsible to protect the STS areas from disturbance. Keep wheeled traffic off the STS area. It is the owner and installation contractor's responsibility to locate underground utilities. If utilities interfere with the designed system, construction shall not proceed without approval from the County Health Department and Designer.

System Cost Information

The property owner has been informed of system options and has been briefed on cost factors. According to 3701-29-10(B)(5), designers of STS systems must include approximate installation costs and operational costs of STS options to assist the homeowner in the selection of the STS options. Smallwood Septic Solutions estimates costs as follows :

- \$21,500 Installation cost*
- \$2,000 annual operational cost*

*This is a general estimate of costs for this system. It is not a bid to install or service the STS. Contact a licensed installer and service provider or distributor for actual bids.

- 1) Smallwood Septic Solutions is available to make adjustments and address concerns, as needed.
- 2) O&M requirements: All system devices and components must be operated and maintained in accordance with the Ohio Department of Health (ODH) product approval, Hamilton County Public Health Operation Permit Terms and Conditions. System devices and components must be installed per ODH product approval, Hamilton County Health Department Standards and this design. Where conflicts exist, consult Designer for guidance before proceeding. See reference section on this sheet for web-site information to obtain O&M Instructions. Means of O&M is accessible via the driveway and is within a reasonable distance for a standard truck.
- 3) Obstructions (if any) will be marked on site plan with the word "obstructions", and will have notes describing the obstructions and the proper way to avoid them.
- 4) This plan is the sole ownership of the designer and the homeowner at time of payment. This design may not be altered, changed, used or manipulated without approval of Smallwood Septic Solutions. Contact Smallwood Septic Solutions if changes are needed.
- 5) For further information not shown in these plans, refer to reference section on this sheet for web-sites and contact information. Be sure to address any other questions to Hamilton County Health Department during pre-construction meeting.
- 6) No unapproved connections or clear water connections (downspouts, pool/spa water, footer tiles, cisterns, etc) shall be connected to this STS. * Outside patio drain must be directed * away from STS. See page 2 for location of patio drain.
- 7) This design is for an open discharging system.
- 8) STS is sited on lot, with 10' and 50' isolation distances marked on scaled drawing as per 3701-29-06. STS is not in a floodway, wetland or within 100 year flood plain and sanitary sewers are not accessible.
- 9) Soil test provided by Matt Deaton, Deaton Soil Services.
- 10) Basal rate and linear loading rate cannot be met due to Property Restrictions proven on the soil report.

Disclaimer

This plan set is not a site plan to be used for constructing anything other than the Sewage Treatment System. If an accurate legal site plan is required, contact a professional surveyor. This plan offers no guarantees for site stability. If site stability may be an issue, a geotechnical engineer should be consulted. Plan is only as accurate as the information provided by the property owner to the designer. Easements, right-of-ways, hidden objects or information not communicated to the designer invalidates the design. It is the property owner's responsibility to review this plan and information provided to verify all site conditions and design assumptions are correct. If conflicts are found or additional information must be supplied, the owner shall contact the designer and installation shall not proceed until further approval is granted.

References for Sewage Treatment System Design, Installation, Materials and O&M:

- Smallwood Septic Solutions. 513-844-1717. www.smallwoodsolutions.com
- Matt Deaton, Deaton Soil Services. 937-533-9991.
- AquaSafe. Ecological Tanks. 318-644-6080 www.etiaquasafe.com
- Hamilton County. 513-946-7800. www.hamiltoncountyhealth.org
- Electric Inspections. IBI. 513-381-6080
- Ohio Department of Health. 614-644-7551. www.odh.ohio.gov
- Polylok. www.polylok.com. (888) 284-8514
- SPI Floats. 419-282-5933. Septicproducts.com
- Ashland Pump. 1-877-925-5132. www.septicsolutions.com

Designed By:

Smallwood Septic Solutions
1575 Hogue Road
Hamilton, OH 45013
513-844-1717
Design Date: March 08, 2018
Site Visited: February 24, 2018



Know what's below.
Call before you dig.

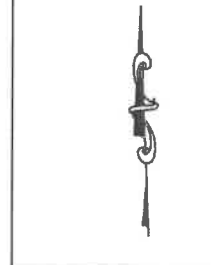


Duante Garr - (513) 292 - 2919
11935 Mill Road Cincinnati, OH 45240
Springfield Township, Hamilton County
Parcel #590-0412-0008-00, 0.505 Acres
Existing 3 Bedroom House. Public Water Supply.

Scale:
As Noted




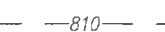
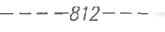
Drawn By:
CJG

Date:
05/29/2018

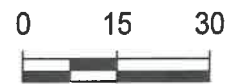


Drawing Number:
Cover

Legend

-  - Existing Septic Tank
-  - Soil Sample Site
-  - Property Line
-  - 10 ft Contours
-  - 2 ft Contours

Contours shown are from County Auditor's website or previous plot plans and may deviate from current conditions. Installer should verify field conditions in order to install system per guidelines in this design and per ODH specifications.



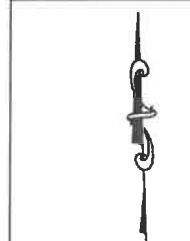
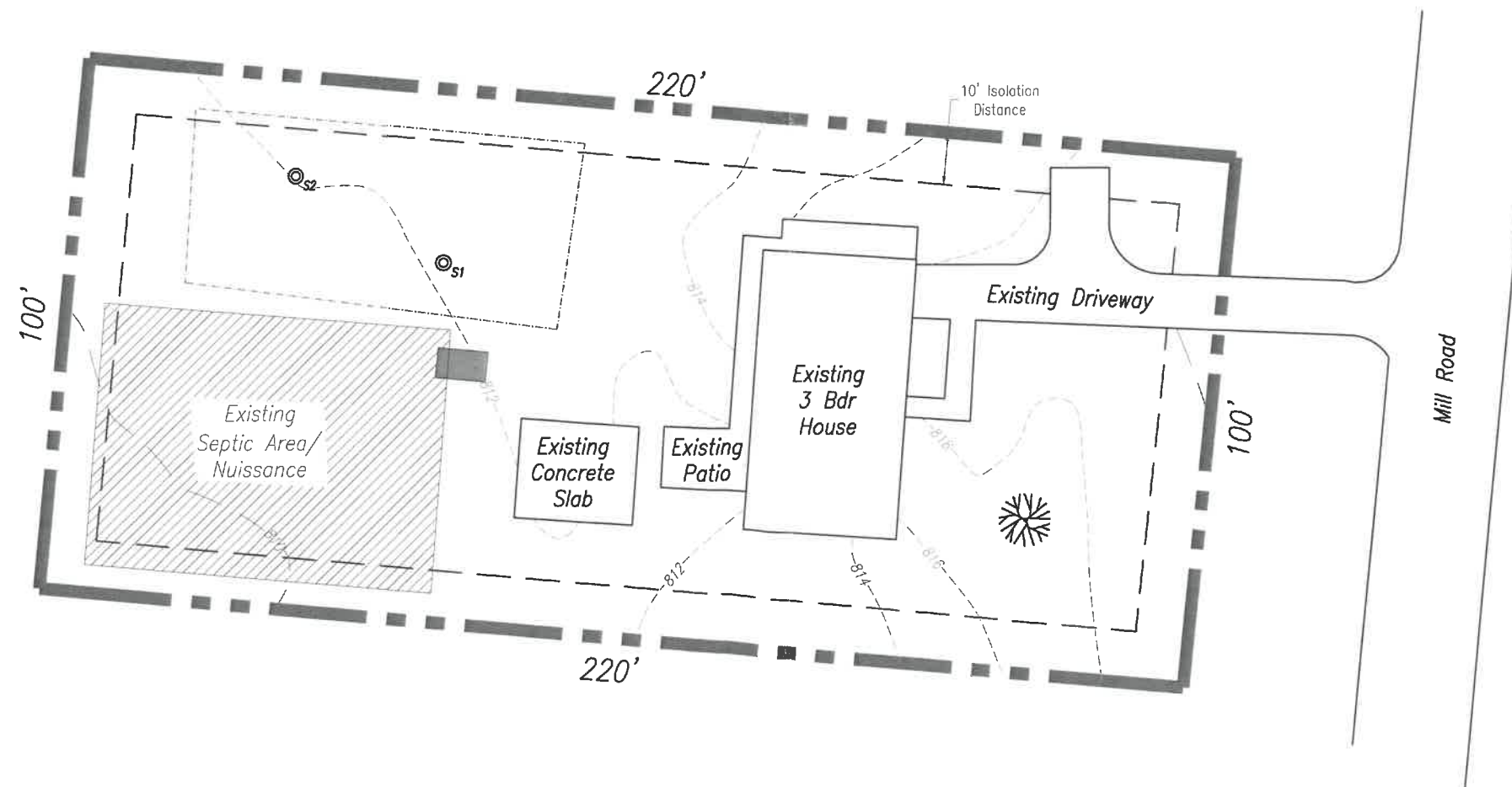
ORIGINAL SCALE: 1" = 30'

Property Layout




- Existing Septic System has failed and is creating a public health nuisance.
- STS must be updated to meet 3701-29.


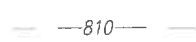
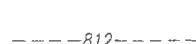
NOTE:

This drawing is intended to be an accurate approximation (per 3701-29-10 Paragraph (C) Section 9c) of the noted site at the time of plan development. It is intended solely to aid in acquisition of a permit for septic system installation. It is NOT intended for use legally as representation in place of a binding document or survey of the property. The proposed system has been designed to meet the rules and limitations implemented by 3701-29. The designer is not to be held responsible for any reason due to system expectations not being met. The information presented in this design is the property of Smallwood Septic Solutions and will not be used without expressed written consent stating as such.

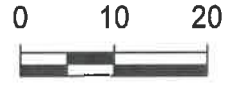


Legend

-  - AS500L EZ 5+3 Pump
-  - Existing Septic Tank
-  - Soil Sample Site

-  - Property Line
-  - 10 ft Contours
-  - 2 ft Contours

Contours shown are from County Auditor's website or previous plot plans and may deviate from current conditions. Installer should verify field conditions in order to install system per guidelines in this design and per ODH specifications.



ORIGINAL SCALE: 1" = 20'

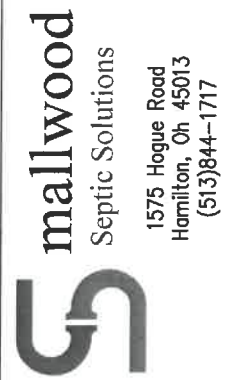
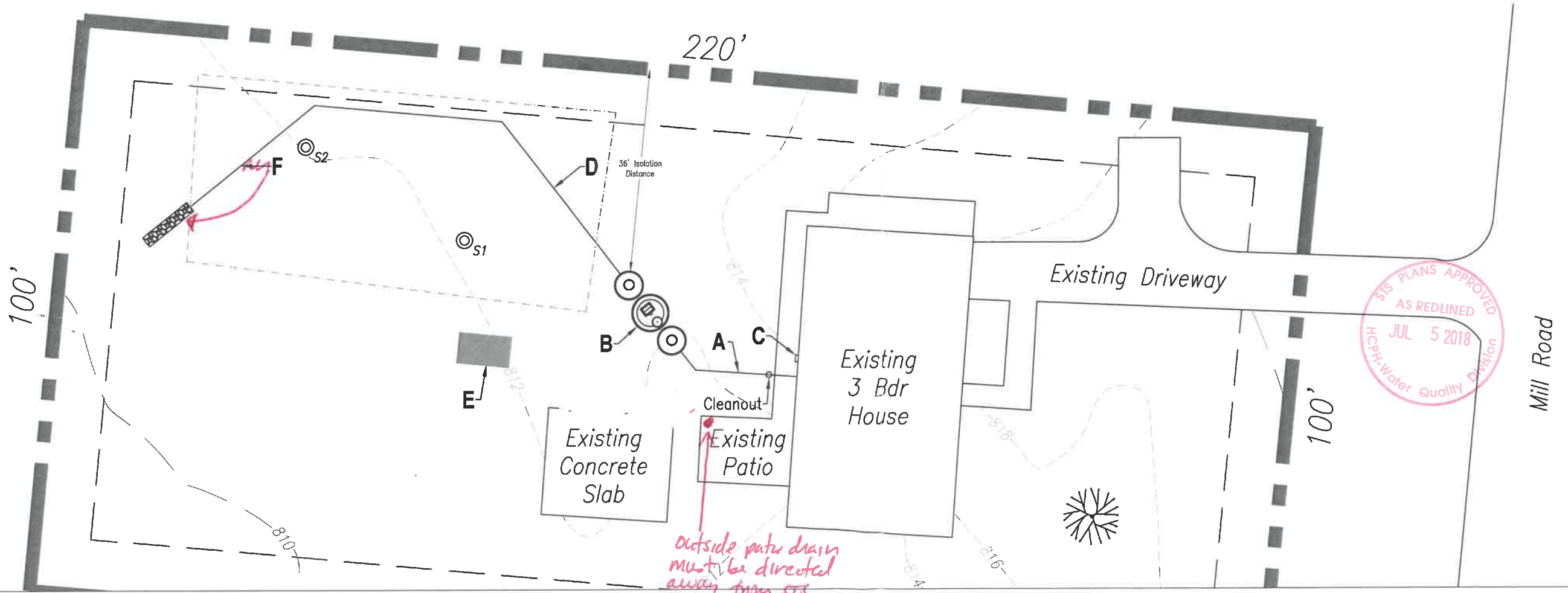
Replacement System Details

- A) New 4 inch SCH 40 PVC Sewer line from House to Aqua Safe Aeration Treatment System. Standard cleanouts shall be installed outside house. Distance between cleanouts shall be a maximum of 75' or as noted on plan. Refer to 3701-29-12.
- B) Aqua Safe AS500L EZ 5+3 Pump with UV Disinfection, Re-Aeration, TUD4 mounted under aerator cover, and Anti-Floatation Flanges. Sampling Spigot (To be provided with dosing tank) will be installed on force main inside of dose tank to allow for sampling.
- C) Ecological Tanks, Inc. Control Panel 202 FSP2 with Pump Lockout. Panel to be mounted on house. See 3701-29-13 (Q)(1)(a)
- D) 2 inch Sch 40 PVC Force Main highpoint before transitioning to 4 inch SCH 40 PVC. Last 10 feet minimum should be properly converted to 4 inch SCH 40 PVC. Will need an Animal Guard on the end of 4 inch PVC. 3701-29-13 (F)(1)(b)
- E) Abandon Existing Septic tank and STS Components. Will require inspection by Hamilton County Public Health on proper STS abandonment. Refer to 3701-29-21 and www.hamiltoncountyhealth.org (Search for "abandon existing septic system" on website for details.)
- F) 2' x 10' Bed of #2 Rip Rap.

NOTE:
The proposed system has been marked on-site with flags to match the description written in this design. It is the responsibility of the property owner, builder and installer to maintain and keep the on-site flags in their proper location. Installer **MUST** verify flag locations according to design prior to any work being performed. If flags are not present or not laid out according to design plan, installer **MUST** call to have flags re-laid out. Additional fees may apply. For more information or for questions about system layout, please contact:

Smallwood Septic Solutions
(513)-360-7365

NOTE:
This drawing is intended to be an accurate approximation (per 3701-29-10 Paragraph (C) Section 9c) of the noted site at the time of plan development. It is intended solely to aid in acquisition of a permit for septic system installation. It is NOT intended for use legally as representation in place of a binding document or survey of the property. The proposed system has been designed to meet the rules and limitations implemented by the Ohio Administrative Code Section 3701-29. The designer is not to be held responsible for any reason due to system expectations not being met. The information presented in this design is the property of Smallwood Septic Solutions and will not be used without expressed written consent stating as such.



Duante Garr - (513) 292 - 2919
11935 Mill Road Cincinnati, OH 45240
Springfield Township, Hamilton County
Parcel #590-0412-0008-00, 0.505 Acres
Existing 3 Bedroom House, Public Water Supply.

Scale:	As Noted
Drawn By:	CJG
Date:	05/29/2018
Drawing Number:	2 of 4

These Plans and 3701-29 Shall Dictate Design Specifics. HCPH Installation Manual Shall be Used for Procedures and to Supplement Information Not Otherwise Specified.

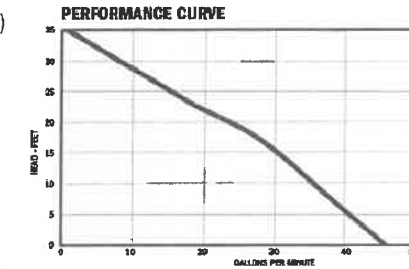
Vertical Scale

No Horizontal Scale

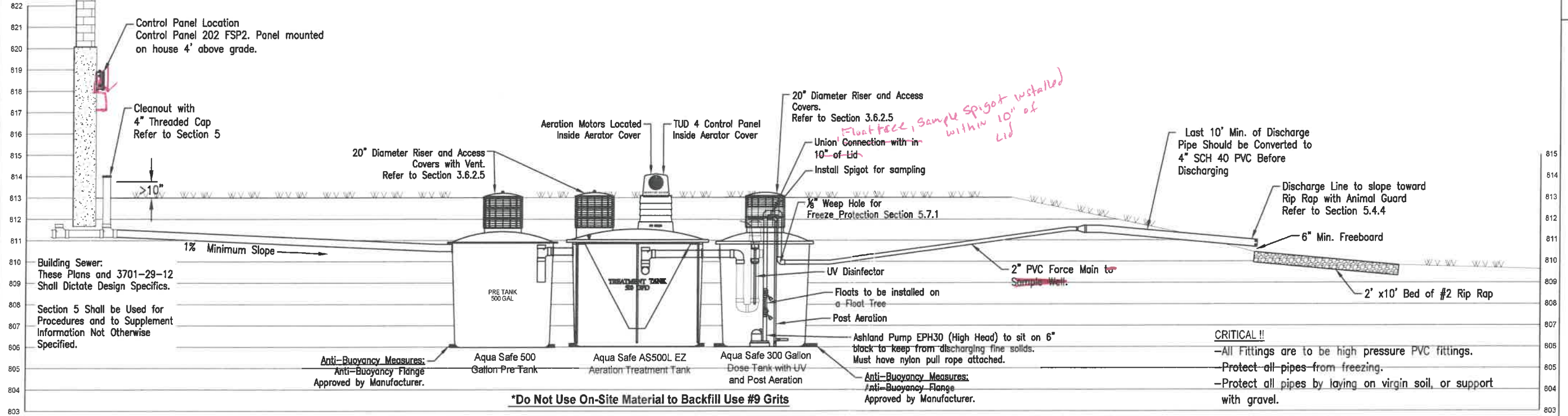
Use vertical scale for elevations of house, tanks, sample well and discharge point. Refer to 3701-29-10 (C) (10)

Float Information
 Install per Manufacturer's Specs
 (300 Gallon Pump Tank contains 5.8 Gallons/ inch)
 SPI Junior M-Navigator Mercury
 Pump Switch - Wide Angle (90 degree)
 - Use for pump On/Off
 - Set at 16" from bottom
 SPI M-Pilot Series Mercury
 Control Switch - Narrow Angle (10 degree)
 - Use for High Water Alarm
 - Set at 18" from bottom
 Floats to be set with 3 inches of Tether, which equals a 17.4 Gallon Dose Volume

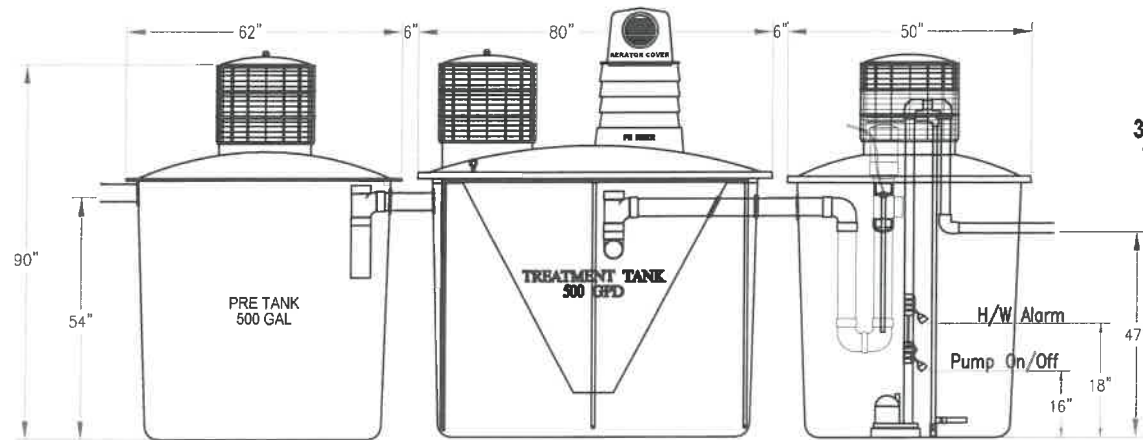
Ashland Pump EPH30 (High Head) Effluent Pump



+dramback



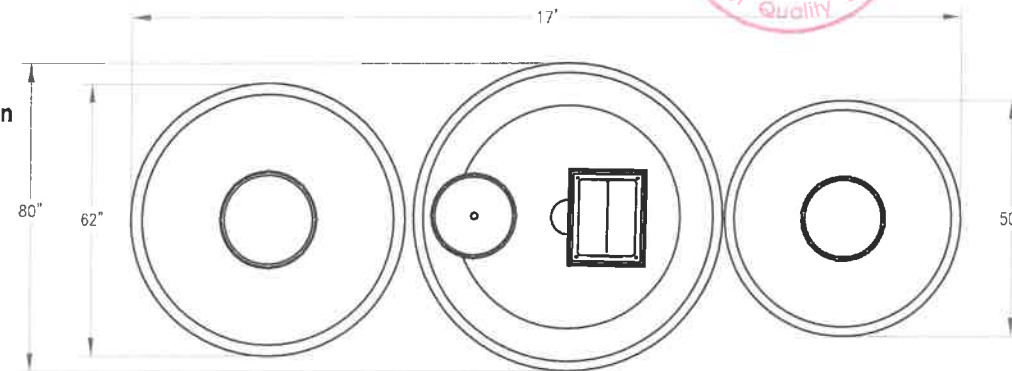
Pre-tank and Treatment System Information



Aqua Safe AS500L EZ 5+3 Pump

500 Gallon Pre Tank
 500 Gallon Treatment Tank
 300 Gallon Pump Tank with UV Disinfection & Re-Aeration
 Treatment Tank and Components are Approved by ODH
 Overall height = 90"
 Bottom of Inlet to bottom of tank = 54"
 Bottom of outlet to bottom of tank = 47"
 Total length = 17"
 Total width = 6'8"

Must be installed per
 Manufacturer Specifications



Scale:
 As Noted

Drawn By:
 CJG

Date:
 05/29/2018



Drawing Number:

3 of 4

mallwood
 Septic Solutions
 1575 Hogue Road
 Hamilton, Oh 45013
 (513)844-1717



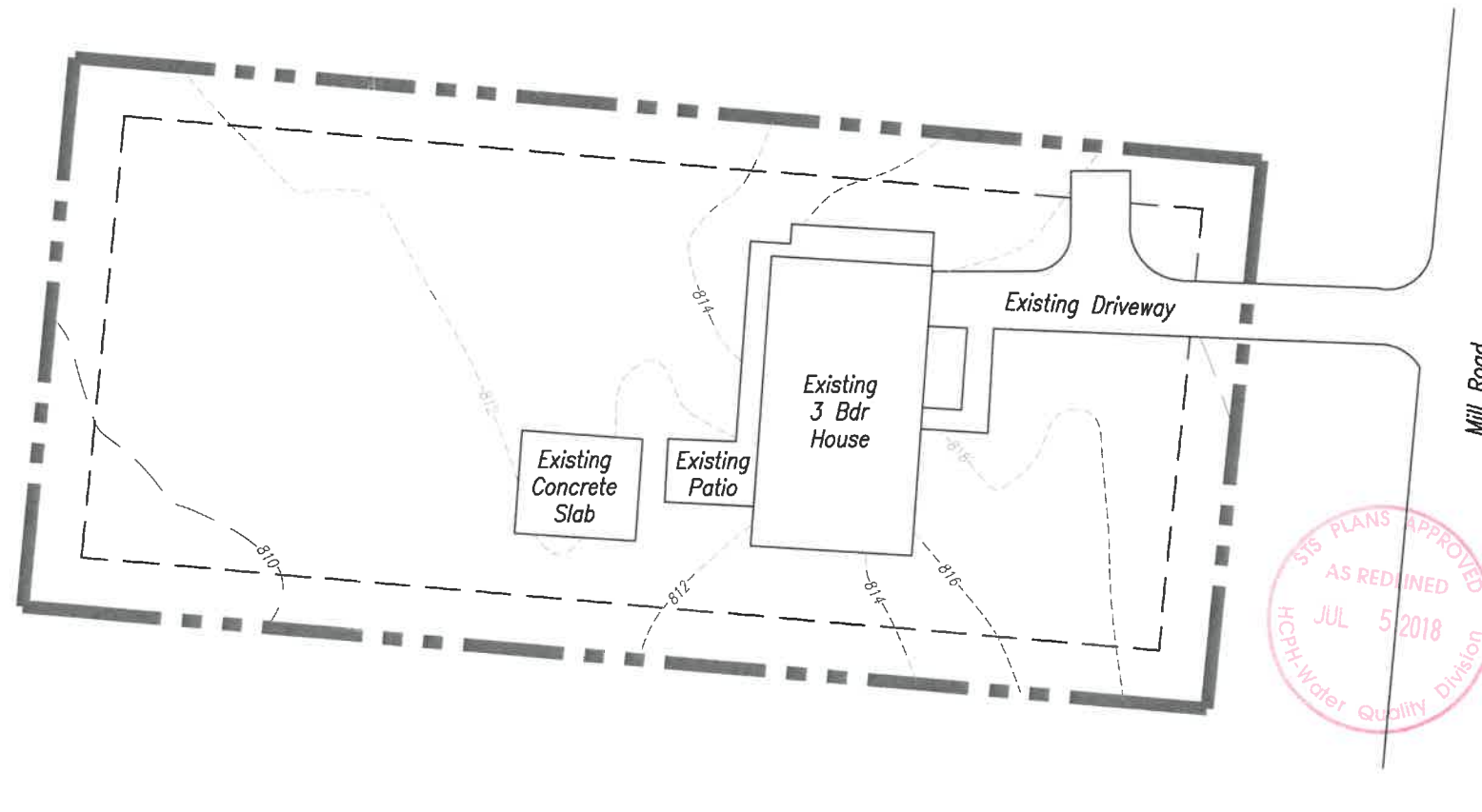
Duante Garr - (513) 292 - 2919
 11935 Mill Road Cincinnati, OH 45240
 Springfield Township, Hamilton County
 Parcel #590-0412-0008-00, 0.505 Acres
 Existing 3 Bedroom House. Public Water Supply.

Protecting Your Septic System

Learn about your household sewage system. Obtain and keep a sketch of the system with a detailed record of repairs, pumping, inspections, and other maintenance activities.

- Have your household sewage system inspected and maintained regularly.
- Keep your septic tank cover accessible for inspection and cleaning. Install risers if necessary.
- Call a registered sewage system contractor or your local health department if you experience problems or if there are any signs of system failure.
- Always obtain required permits when making or allowing repairs to your system.
- Divert sources of water, like roof drains, footer drains, and sump pumps away from the system. Excess water saturates the soil leading to system failure.
- Keep a good vegetative cover over the system in order to help remove excess water and prevent erosion.
- Do Not allow anyone to drive or park anything over any part of the septic system.
- Never dig or build anything over your system. This includes hard surfaces such as concrete or asphalt.
- Conserve water to avoid overloading the system. Promptly repair leaky faucets or toilets, and install water saving devices.
- Don't use septic tank additives. These products usually do not help and can be harmful to the operation of your system.
- Eliminate or reduce the use of a garbage disposal. The additional waste produced by a garbage disposal will lead to extra maintenance requirements.
- Don't use you toilet or disposal as a trash can. Coffee grounds, dental floss, disposable diapers, kitty litter, sanitary napkins, tampons, cigarette butts, condoms, fat, grease, oil, automotive fluids and paper towels should never be disposed of in the system.
- Never pour chemicals or cleaners such as paints, varnishes, thinners and pesticides down the drain/toilet. Harsh chemicals can kill beneficial bacteria that treat wastewater.
- Never climb down into a septic tank. The natural treatment process in septic tanks produces toxic gases that can kill.

AS Built



STS was installed according to OAC 3701-29 By:

Installers Name: _____

Installation Date: _____

NO SCALE



Duante Garr - (513) 292 - 2919
11935 Mill Road Cincinnati, OH 45240
Springfield Township, Hamilton County
Parcel #590-0412-0008-00, 0.505 Acres
Existing 3 Bedroom House. Public Water Supply.

Scale:
As Noted

Drawn By:
CJG

Date:
05/29/2018



Drawing Number:

4 of 4