



Town of Jay

340 Main St • Jay, Maine 04239-1697

Tel: 207-897-6785

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Office of

Select Board
Assessors
Town Manager
Treasurer
Town Clerk
Planning Board
Code Administrator

Invitation to Bid Septic System Replacement

The Town of Jay is seeking bids from contractors to furnish all labor, material, tools, transportation, insurance and incidentals which are reasonably required to construct and complete the installation of a replacement septic system in the Town of Jay, Franklin County. The work will be funded by the DEP Small Community Grant Program and the work will be subject to special requirements of the DEP. The project shall be substantially complete by June 1, 2025, with final completion by June 30, 2025.

Bid Documents are available at the Jay Town Office, 340 Main Street, Jay, ME during regular business hours Monday - Thursday 7:30 AM – 5:30 PM or on the Town of Jay website at www.jay-maine.org under Notices.

Bids are to be in sealed envelopes clearly marked “2025 Septic System Bid” and are due by Thursday, February 6th at 2:00 PM at the Jay Town Office and will be opened publicly at that time. Bids submitted via email, fax, or any other way than in a sealed, marked envelope will not be accepted. Following the bid opening, bids will be reviewed by the DEP and then awarded at a future Select Board meeting, date to be determined.

Bidding contractors shall be regularly engaged in the installation of septic systems and must provide three references related to septic system installations. The successful contractor shall sign an Independent Contractor Agreement and provide proof of general liability insurance in the amount of \$1,000,000 that names the Town of Jay as an additional insured and, if applicable, workers compensation insurance in the state statutory amount prior to commencement of work.

The Town of Jay reserves the right to accept or reject any or all bids. The successful bidder shall be selected based on the ability to fulfill the project as described for the cost deemed to be in the best interest of the Town.

Questions regarding the project may be directed to:

Kent Mitchell, Plumbing Inspector at 207-778-1445

AWARD BASED ON INDIVIDUAL BIDS

INSTRUCTIONS TO BIDDERS

1. All bids must be submitted on the attached bid proposal form prior to the bid opening date indicated. It is the responsibility of the prospective bidder to inspect the construction site and examine the plans and HHE 200 forms, technical specifications, and contract general conditions to ensure that he fully understands the construction requirements. Any questions regarding the work should be directed to the Municipality at least twenty-four hours before bid opening.
2. The contract is based on individual systems. Contracts will be signed individually with each bidder whose individual septic system price is lowest. The Municipality will be the sole judge of the acceptability of the bids, and may reject any and all bids if it is judged to be in the Municipality's best interest. The contractor may be required to produce evidence of his ability to adequately perform the work before bids are awarded.
3. The bid prices must be for complete, operational and finished septic systems as indicated in the bid documents including any piping, fittings, valves, fill, grading, insulation, site restoration, electrical or other work not directly shown but which can be reasonably inferred by an examination of the site and construction documents to produce a finished product. Qualified bids will not be accepted. Any errors or omissions detected by prospective bidders should be brought to the attention of the Municipality at least twenty-four hours before bid opening.
4. This project is partially or wholly funded by the Maine Department of Environmental Protection, and is subject to special requirements as described in the bid documents.
5. Pump Stations shown on the plans must be included in the bid price. If the need for a Pump Station is not clear on the plans, then the system is to be bid without a Pump Station with a separate price for the Pump Station if it is found to be needed.
6. The selected contractor will be required to show proof of insurance per the General Conditions of the Contract
7. Contents of the construction contract include:
 - Instructions to Bidders
 - Bid Proposal
 - Contract Agreement
 - General Conditions
 - Specifications for Septic System
 - Design Plans (usually the HHE – 200)
 - Change Orders
 - Contractor's Final Payment Affidavit

AWARD BASED ON TOTAL BID

BID PROPOSAL

THIS BID IS SUBMITTED TO: _____ (MUNICIPALITY)
_____ (ADDRESS)

Having carefully examined the Instructions to Bidders, Bid Proposal form, Contract Agreement, General Conditions, Plans and Specifications, Contractors Final Payment Affidavit form and Change Order form prepared by: _____ (Site Evaluator/Engineer) as well as the premises and conditions affecting the Work, we the undersigned propose to furnish all Labor, Equipment, and Materials necessary for and reasonably incidental to the construction and completion of this Proposal for:

NAME OF SYSTEM (An individual price for each system must be shown)	LUMP SUM PRICE per SEPTIC SYSTEM (include Pump Station cost if check box on HHE 200 indicates "REQUIRED")	ADDITIONAL PUMP STATION COST (if check box on HHE 200 indicates "MAY BE REQUIRED")
	\$	\$
	\$	\$
	\$	\$
	\$	\$
TOTAL BID FOR ALL SYSTEMS (Basis of Award)	\$	

TOTAL BID FOR ALL SYSTEMS WRITTEN IN WORDS:

The Contract(s) will be awarded to the lowest acceptable TOTAL BID FOR ALL SYSTEMS. Pump stations indicated on the plans ("REQUIRED" is checked) must be included in the LUMP SUM PRICE. If the need for a pump station is not clear on the plans, ("MAY BE REQUIRED" is checked), the LUMP SUM PRICE shall include a price for the complete system without a pump station and a separate price for the pump station in case it is found to be needed. A separate pump station price which is deemed to be unreasonable may be reason to reject the bid.

The undersigned agrees, if awarded the Contract, to complete the Work within _____ calendar days after execution of the agreement. **(FILLED IN BY MUNICIPALITY)**

The undersigned agrees, if this Proposal is accepted, to sign a Contract and deliver it, along with the Affidavits of all insurance within seven (7) calendar days after the date of notification of such acceptance.

PRINTED NAME: _____

SIGNATURE: _____ DATE: _____

COMPANY NAME: _____ TEL: _____

ADDRESS: _____

CONTRACT AGREEMENT

THIS AGREEMENT made the _____ day of _____ 20____ by and between _____ hereinafter called the Municipality, and _____ hereinafter called the Contractor.

WITNESS,

That the Municipality and the Contractor for the consideration hereinafter named agree as follows:

ARTICLE 1. SCOPE OF WORK

The Contractor shall furnish all of the Materials and perform all the Work shown on the Plans and described in the Specifications entitled: _____

Prepared by _____, referred to in these Contract Documents as the Engineer, and shall do everything required by this Agreement, the General Conditions, the Specifications, and the Drawings.

ARTICLE 2. TIME OF COMPLETION

The work shall be completed according to the following schedule:

Substantial Completion: _____

Final Completion: _____

ARTICLE 3. THE CONTRACT SUM

The Municipality shall pay the Contractor for the performance of the Contract, subject to additions and deductions provided by approved Change Orders in current funds as follows:

_____ \$ _____
(In Words) (In Figures)

ARTICLE 4. PAYMENTS

The Municipality shall make payment of 90% of the contract amount after the project is substantially completed. That is, all structures installed and operating and all disturbed areas loamed and seeded.

Final payment shall be due after final completion. That is, the Work is completed and operational in accordance with the Contract Documents including a catch of grass.

ARTICLE 5. THE CONTRACT DOCUMENTS

The General Conditions of the Contract, Instructions to Bidders, the Bid Proposal, the Specifications, and the Drawings, Contractors Final Payment Affidavit and Change Orders together with this Agreement, form the Contract.

The Municipality and the Contractor hereby agree to the full performance of the covenants herein.

IN WITNESS, WHEREOF the parties hereto have executed this Agreement in the day and year first above written.

BY: _____ PRINT: _____ WITNESS: _____
Authorized Municipality Official (Sign) Authorized Municipality Official (Print) (Sign)

BY: _____ PRINT: _____ WITNESS: _____
Contractor (Sign) Contractor (Print) (Sign)

GENERAL CONDITIONS OF THE CONTRACT

ARTICLE I: Definitions

Wherever the following terms are used in the contract documents, the intent and meaning shall be as follows:

Contract Documents - The documents which are comprised of the Bid Proposal, Instruction for Bidders, Contract Agreement, General Conditions of the Contract, Construction Plans and Specifications prepared by a Registered Professional Engineer or Licensed Site Evaluator (including HHE 200 forms), and General Construction Specifications for Septic Systems. They are also known as the contract.

DEP - The Maine Department of Environmental Protection

Engineer -- The designer of the replacement system.

Final Completion - The condition in which the work is complete and operational, covered, graded, and satisfactory grass cover is established.

HHE - 200 Form - A subsurface wastewater disposal system application form, provided by the Maine Department of Health & Human Services, exhibiting a complete subsurface wastewater disposal system design.

LPI - Local Plumbing Inspector representing the Municipality.

Municipality - The Municipality, acting through its authorized representative.

Project - The entire work to be performed under the contract.

Substantial Completion - The condition in which the work is complete to a point where all structures are installed and operational, the system can be utilized for its intended purpose, and all disturbed areas are loamed and seeded.

ARTICLE 2: Intent and Correlation of the Contract Documents

It is the intent of the contract documents to describe a complete project. The contractor shall furnish all Labor, Material, Tools, Transportation, Insurance, and Incidentals which are reasonably required to construct and complete the project. The plans or HHE-200 forms, including all revisions, Instruction to Bidders, the General Conditions of the Contract, Executed Contract, General Construction Specifications for Septic Systems, and completed Bid proposal comprise the Contract documents.

Should the contractor discover any error, omission, or inconsistency in the contract documents which would require additional costs above that shown in the bid, he shall notify the Municipality at least twenty-four hours before the bids are opened. Should errors, omissions, inconsistencies, or differing site conditions be discovered after contract award, then the Municipality shall be promptly notified and affected work suspended until a resolution is found. In the event that there is a conflict between requirements of the plans and specifications, the more stringent requirement will be followed.

ARTICLE 3: Permits, Laws, and Regulations

The Municipality will apply for and obtain the Plumbing Permit, DEP permits, including Permit By Rule Notification and highway opening permits. The Municipality will secure the Small Community Grant Easement for the project. The Municipality will also ensure all other easements and right-of ways are obtained for work to be completed on property not directly owned by the subject Property Owner. The Contractor is responsible for obtaining any other permits.

It is the responsibility of the Contractor to comply with all laws, regulations, and permit conditions in constructing the project, including safety regulations. If the Contractor discovers that the contract documents conflict with any laws, regulations, or permit conditions, he shall promptly notify the Municipality. In addition, if the contractor's proposed construction methods require it, it shall be his responsibility to obtain any variances or permit modifications required.

ARTICLE 4: Inspection of the Work

The contractor shall permit access to the site and work to representatives of the Municipality and DEP at all times. Before covering the work, the contractor shall give timely notice to the Municipality and LPI that the work is ready for inspection. The work shall not be covered until it has been inspected and certified on the HHE 200 form by the LPI and/or designated inspector of the Municipality. Should the work be covered without approval of the Municipality and LPI, it must be uncovered for inspection at the contractor's expense.

If the LPI or Municipality determines that the work is not in compliance with the contract documents, then it must be corrected to the satisfaction of the LPI, Municipality, and DEP at the contractor's expense.

ARTICLE 5: Changes in the Work

The Municipality may request changes, increases, or decreases of the work without invalidating the original agreement. Any changes involving a change in the contract price or time must be authorized by a change order executed by the Contractor, Municipality, and DEP.

If the Contractor, in performing the work, discovers conditions which could not reasonably have been anticipated from inspection of the site and examination of the contract documents, including the need for ledge removal by blasting, he shall notify the Municipality promptly, and a change order shall be negotiated before proceeding further.

ARTICLE 6: Contract Termination

Should the Contractor fail to complete the work within the time frame specified in the contract and any time extension change orders, the Municipality may, after giving written notice to the Contractor, terminate the contract and arrange for the work to be completed by others. The cost of any uncompleted work will be deducted from the contract amount.

ARTICLE 7: Payments

The Municipality shall pay 90% of the contract cost when the work is satisfactorily and substantially complete. The Municipality may request that the contractor provide evidence that all payrolls, suppliers, and subcontractors have been paid before 90% payment is made. Final payment shall be made at final completion of the finished project provided that the contractor has submitted the Contractor's Final Payment Affidavit. The making and acceptance of final

payment shall constitute a waiver of all claims by the Municipality except those arising from unsettled liens, faulty work or claims under the one year warranty, and all claims by the Contractor, except those previously made and unsettled.

For contracts exceeding one month, monthly progress payments may be requested.

ARTICLE 8: Contractors Insurance

The Contractor shall maintain in force for the duration of the project, Public Liability and Property Damage insurance that shall protect the Contractor from claims and damages arising from operation under this Contract.

The minimum amount of coverage shall be as is customary for the work to be performed and shall provide complete indemnification of the Municipality for the Contractor's work. In addition, Workman's Compensation shall be maintained by the Contractor if required by Maine Law.

The contractor is required to provide insurance certificates.

ARTICLE 9: Warranty

The Contractor shall warranty all work performed under the contract against defects in workmanship and materials for a period of one year from the date of final completion. During the warrantee period, he shall promptly repair all such defects at no cost to the Municipality.

ARTICLE 10: Disputes

Disputes between the Municipality and Contractor which cannot be resolved by the DEP shall be settled by litigation.

CONSTRUCTION SPECIFICATIONS FOR SEPTIC SYSTEMS

GENERAL

All Work shown on the plans or specified must be included in the bid proposal. These specifications are general in nature and, in several instances, refer to the latest edition of the Maine Subsurface Wastewater Disposal Rules. If there is a conflict between the requirements of the plans and these written specifications, the most stringent requirement shall apply. The Maine Department of Environmental Protection will be the sole judge of the applicable requirements in the case of conflicting specifications.

No deviations from the Drawings will be allowed without written consent of the Maine Department of Environmental Protection, the local Plumbing Inspector, and the Municipality.

DESCRIPTION

1. Furnish and install at the location and elevation shown on the plans, a septic system including septic tank, disposal field, miscellaneous piping and appurtenant structures as shown on the plans.

MATERIALS

1. Septic Tank: Septic tanks shall be of the size and type indicated on the HHE-200 form or construction drawings and shall meet the requirements of the Maine Subsurface Wastewater Disposal Rules. The minimum septic tank volume shall be 1,000 gallons.
2. Building Sewer & Drain Pipe: The building sewer and drain piping material shall be in accordance with the Maine Subsurface Wastewater Disposal Rules.
3. Proprietary Disposal Devices: For septic systems utilizing proprietary devices only approved manufacturers' products may be used. A list of approved manufacturers can be found in the Maine Subsurface Wastewater Disposal Rules.
4. Fill Material: Fill material shall be coarse sand to gravelly coarse sand and as specified in the latest edition of the Maine Subsurface Wastewater Disposal Rules or as shown on the plans.
5. 1½" Stone: The stone used for disposal fields must be clean, uniform in size and free of fines, dust, ashes or clay. The 1½ inch stone shall be 100% passing a 2-inch sieve, greater than 95% passing a 1 1/2-inch sieve, less than 40% passing a ¾ inch sieve, less than 5% passing the 4 mesh sieve and less than 2% passing a 200 mesh sieve.
6. Loam shall be topsoil taken from the excavation if available and/or topsoil of a similar texture from another source. It shall be free from gravel, roots, clods, or stones larger than 2 inches.
7. Lime shall be standard grade dolomitic limestone.
8. Fertilizer shall be standard commercial 10-10-10 mixture.
9. Seed shall contain a mixture of annual and perennial grass seeds such that a fast and lasting catch of grass is obtained.

10. Mulch material shall consist of hay or straw reasonably free from noxious weeds.
11. Insulation shall be extruded, closed-cell (minimum 2" thick, width of trench) rigid polystyrene or as specified on the drawings.

EXECUTION

1. The disposal bed shall be constructed in accordance with the plans and the Maine Subsurface Wastewater Disposal Rules. All portions of the work shall conform to applicable state and local codes and ordinances. Where required to comply with codes or ordinances, the Contractor shall hire appropriate licensed professionals to perform portions of the work. The contract price shall include all such incidental costs.
2. Construction shall not be performed when the soil moisture content is above the plastic limit. Soil moisture shall be tested by rolling a lump of soil with the fingers to form a wire. If a wire 1/8 inch in diameter can be formed which does not crumble when handled, the soil moisture is too high. Upon encountering excessive soil moisture conditions, the Contractor shall immediately notify the Municipality and shall not proceed further with construction.
3. Excavation shall be made to lines and grades necessary to allow for construction of the septic system including interconnecting piping.
4. Excavated material not required for backfill shall be removed from the site and disposed of in a lawful manner at the Contractor's expense.
5. The entire fill area shall be scarified by rototilling or raking with excavator bucket teeth prior to placing fill material or stone. On sites requiring fill, a transition layer shall be constructed by rototilling 4-6 inches of fill material into the original soil underneath the entire fill area. Wheeled vehicles must not be used on scarified soil.
6. The crushed stone shall be dumped beside the bed and placed in the disposal field to minimize the transfer of fines to the disposal field. Piping shall be installed to the lines and grades shown on the plans, covered with hay or fabric, and backfilled with suitable fill material.
7. Proprietary devices shall be installed as per the manufacturer's specifications.
8. The septic tank is to be placed on a working pad of 6 inches or more of bank-run gravel, compacted by tamping with excavator bucket.
9. The Contractor shall replace the building drain from a point just outside the building wall to the septic tank. The materials shall be in accordance with the Maine Subsurface Wastewater Disposal Rules.
10. Where internal plumbing changes are required, the Contractor shall extend the building drain from the septic tank through the foundation wall at the proper elevation and provide a clean-out connection.
11. All pipe connections and pipe penetrations shall be water tight.
12. Pressure and gravity lines shall be protected against freezing.

13. Any pressure and gravity lines installed in driveway areas or other areas with heavy loading, shall be protected from the direct loading.
14. Septic tanks to be abandoned shall be pumped out and filled with soil or removed.
15. Spread loam uniformly on all disturbed areas, except driveways, with a minimum depth of 4 (four) inches. The loam shall be hand-raked to achieve a smooth surface blending into the undisturbed areas.
16. Fertilizer shall be applied at the rate of 14 pounds of fertilizer per 1000 square feet. It shall be thoroughly mixed with the soil to a depth of 1 inch.
17. The seed mixture shall be sown at the rate of 3 pounds per 1000 square feet. Mulch shall be applied to all seeded areas the same day as seeding.
18. A Natural Resources Protection Act (NRPA) Permit is not required for the abandonment of wastewater treatment facilities or the installation of a subsurface wastewater disposal system. Construction or abandonment activities, however, shall comply with the following conditions in areas within the jurisdiction of the NRPA:
 - a. The Contractor shall be responsible for the prevention of erosion. Further, erosion of soil or fill material from disturbed areas into the 25 foot buffer and the resource must be prevented. All disturbed earth surfaces are to be stabilized in the shortest practical time. Properly installed erosion control measures, such as staked hay bales and silt fence, are required to be in place before the project begins. These erosion control measures must remain in place, functioning as intended, until the project area is permanently stabilized with mulch and seed. Temporary storage of excavated material is to be in a manner that will minimize erosion. NOTE: Erosion and sedimentation control measures shall comply with the most current "Maine Erosion and Sediment Control BMPs", prepared by the Maine DEP.
 - b. No power equipment shall be operated in the water except that equipment operating on shore may, when necessary, reach into the water with a bucket or similar device.
 - c. All heavy equipment which must travel and work on wetland vegetation shall travel on mats or platforms in order to protect the vegetation.
 - d. Except for installation of an outfall line, no excavation, filling or construction shall take place on my coastal wetland, freshwater wetland, great pond, river, stream or brook.
19. The Contractor shall remove and replace or repair all roads, driveways, pavement and other items damaged by his construction activities to their original condition, at a minimum.
20. The Contractor shall minimize earth, debris or other construction debris that is tracked or spilled on public or private streets. The Contractor shall be responsible for the daily cleanup of construction material from public or private streets.

21. A residential Pump Station, if required, shall be constructed under the following specification:
- a. Furnish and install in the location and to the elevations shown on the plans, and in compliance with the Maine Subsurface Wastewater Disposal Rules, a concrete Pump Station containing a submersible effluent pump.
 - b. The Residential Pump Station shall be the equal to American Concrete 4' x 4' pump tank, minimum 300 gallons working capacity (Item No. 1712). Alternatively, a combined septic tank and residential Pump Station may be used (American Concrete or equal). Provide the necessary riser sections to extend 4" above grade. An approved joint sealer shall be used at all riser section joints. All joints and pipe connections must be watertight. **The outlet of the septic tank shall be equipped with an effluent filter equivalent to Zabel A1800 Series.**
 - c. The effluent pump shall be a 0.5 hp minimum heavy duty submersible pump designed to pump septic tank effluent and shall be equivalent to or exceed a Barnes EHV412. Actual pump sizing and capacity shall be determined based on site conditions. The pump motor shall be operated on 115 volts.
 - d. The pump shall be installed as shown on the plans. The control switch shall be a **non-mercury** type float switch.
 - e. The junction box shall be water-tight Nema 4X.
 - f. The Contractor shall be responsible for all electrical work connecting the junction box to the electrical system in the house. **The pump and alarm shall be connected to two separate circuits in the house electrical system.** All such work will be done by a licensed electrician and in conformance with the latest edition of the National Electrical Code.
 - g. Underground cable shall be rated for direct burial and shall pass through the Pump Station wall with proper connections. All wiring from house to Pump Station shall be in conduit.
 - h. An alarm system consisting of high water **non-mercury** float switch and alarm light mounted inside the house shall be installed for all Pump Stations. Controls containing mercury are not to be used.

BASIS OF PAYMENT

1. Payment for construction of the septic system shall be as a lump sum including finish site work. A Residential Pump Station, if shown on the plans, shall be included under the lump sum bid price. If a Pump Station is not shown on the plans and must be added to the Contract by Change Order, then the price will be as stated in the bid proposal or negotiated before installation.
2. Ledge excavation will be measured by the Engineer for payment on the basis of cubic yards removed. Payment will be negotiated as a Change Order.

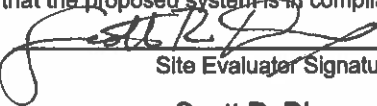
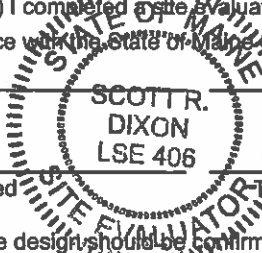
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, 10 SHS
(207) 287-5872 Fax: (207) 287-3165

PROPERTY LOCATION		>> CAUTION: LPI APPROVAL REQUIRED <<	
City, Town, or Plantation	JAY, ME.	Town/City	Jay Permit # 24-30
Street or Road	42 LAKE SCHOOL RD.	Date Permit Issued	12/30/24 Fee: \$ 250 Double Fee Charged <input type="checkbox"/>
Subdivision, Lot #		Local Plumbing Inspector Signature	Kevin Mitchell L.P.I. # 281
OWNER/APPLICANT INFORMATION		<input type="checkbox"/> Owner <input type="checkbox"/> Town <input type="checkbox"/> State The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. This Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.	
Name (last, first, MI)	JANICE BACHELDER, C/O TOWN OF JAY, ME.	Municipal Tax Map # 13A Lot # 77-1	
Mailing Address of Owner/Applicant	340 MAIN ST. JAY, ME. 04239	CAUTION: INSPECTION REQUIRED	
Daytime Tel. #	207-897-6785	I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.	
OWNER OR APPLICANT STATEMENT		(1st) date approved _____	
I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.		Local Plumbing Inspector Signature _____ (2nd) date approved _____	
Signature of Owner or Applicant _____ Date _____			

PERMIT INFORMATION		
TYPE OF APPLICATION <input type="checkbox"/> 1. First Time System <input checked="" type="checkbox"/> 2. Replacement System Type replaced: <u>CESSPOOL</u> Year installed: <u>UNKNOWN</u> <input type="checkbox"/> 3. Expanded System <input type="checkbox"/> a. <25% Expansion <input type="checkbox"/> b. >= 25% Expansion <input type="checkbox"/> 4. Experimental System <input type="checkbox"/> 5. Seasonal Conversion	THIS APPLICATION REQUIRES <input type="checkbox"/> 1. No Rule Variance <input type="checkbox"/> 2. First Time System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector <input checked="" type="checkbox"/> 3. Replacement System Variance <input checked="" type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector <input type="checkbox"/> 4. Minimum Lot Size Variance <input type="checkbox"/> 5. Seasonal Conversion Permit	DISPOSAL SYSTEM COMPONENTS <input checked="" type="checkbox"/> 1. Complete Non-engineered System <input type="checkbox"/> 2. Primitive System (graywater & alt. toilet) <input type="checkbox"/> 3. Alternative Toilet, specify: _____ <input type="checkbox"/> 4. Non-engineered Treatment Tank (only) <input type="checkbox"/> 5. Holding Tank, _____ gallons <input type="checkbox"/> 6. Non-engineered Disposal Field (only) <input type="checkbox"/> 7. Separated Laundry System <input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more) <input type="checkbox"/> 9. Engineered Treatment Tank (only) <input type="checkbox"/> 10. Engineered Disposal Field (only) <input type="checkbox"/> 11. Pre-treatment, specify: _____ <input type="checkbox"/> 12. Miscellaneous Components
SIZE OF PROPERTY 2.2+/- <input type="checkbox"/> SQ. FT. <input checked="" type="checkbox"/> ACRES	DISPOSAL SYSTEM TO SERVE <input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <u>2</u> <input type="checkbox"/> 2. Multiple Family Dwelling, No. of Units: _____ <input type="checkbox"/> 3. Other: _____ (specify) Current Use <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped	TYPE OF WATER SUPPLY <input checked="" type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private <input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other EXISTING

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
TREATMENT TANK <input checked="" type="checkbox"/> 1. Concrete <input type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input type="checkbox"/> 2. Plastic <input type="checkbox"/> 3. Other: _____ CAPACITY: <u>1,000</u> GAL	DISPOSAL FIELD TYPE & SIZE <input type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench <input checked="" type="checkbox"/> 3. Proprietary Device <input type="checkbox"/> a. cluster array <input checked="" type="checkbox"/> c. Linear <input type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other: <u>2 ROWS OF 5 ELLEN UNITS= 10 TOTAL</u> SIZE: <u>480</u> sq. ft. <input type="checkbox"/> lin. ft.	GARBAGE DISPOSAL UNIT <input checked="" type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe If Yes or Maybe, specify one below: <input type="checkbox"/> a. multi-compartment tank <input type="checkbox"/> b. ___ tanks in series <input type="checkbox"/> c. increase in tank capacity <input type="checkbox"/> d. Filter on Tank Outlet	DESIGN FLOW <u>180</u> gallons per day BASED ON: <input checked="" type="checkbox"/> 1. Table 5A (dwelling unit(s)) <input type="checkbox"/> 2. Table 5C (other facilities) SHOW CALCULATIONS — for other facilities —
SOIL DATA PROFILE <u>4</u> CONDITION <u>C</u> at Observation Hole # <u>TB-1</u> Depth <u>29</u> inches of Most Limiting Soil Factor Groundwater	DISPOSAL FIELD SIZING <input checked="" type="checkbox"/> 1. Medium—2.6 sq. ft. / gpd <input type="checkbox"/> 2. Medium—Large 3.3 sq. ft. / gpd <input type="checkbox"/> 3. Large—4.1 sq. ft. / gpd <input type="checkbox"/> 4. Extra Large—5.0 sq. ft. / gpd	EFFLUENT/EJECTOR PUMP <input checked="" type="checkbox"/> 1. Not Required (<i>See Note p.3</i>) <input type="checkbox"/> 2. May Be Required <input type="checkbox"/> 3. Required Specify only for engineered systems: DOSE: _____ gallons	<input type="checkbox"/> 3. Section 4G (meter readings) ATTACH WATER METER DATA LATITUDE AND LONGITUDE at center of disposal area Lat. <u>44</u> d <u>34</u> m <u>05.29</u> s N Lon. <u>70</u> d <u>14</u> m <u>04.71</u> s W If g.p.s. state margin of error: _____

SITE EVALUATOR STATEMENT			
I certify that on <u>12/4/24</u> (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).			
Site Evaluator Signature  Scott R. Dixon Site Evaluator Name Printed	 SCOTT R. DIXON LSE 406	SE # <u>406</u> Date <u>12/17/24</u> Telephone Number <u>207-897-6752</u>	Email Address <u>scott@main-landdci.com</u>
Designed with SeptiCAD v5		Page 1 of 3	
Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.		HHE-200 Rev. 08/2011	

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, Station 10
(207) 287-5672 Fax: (207) 287-3165

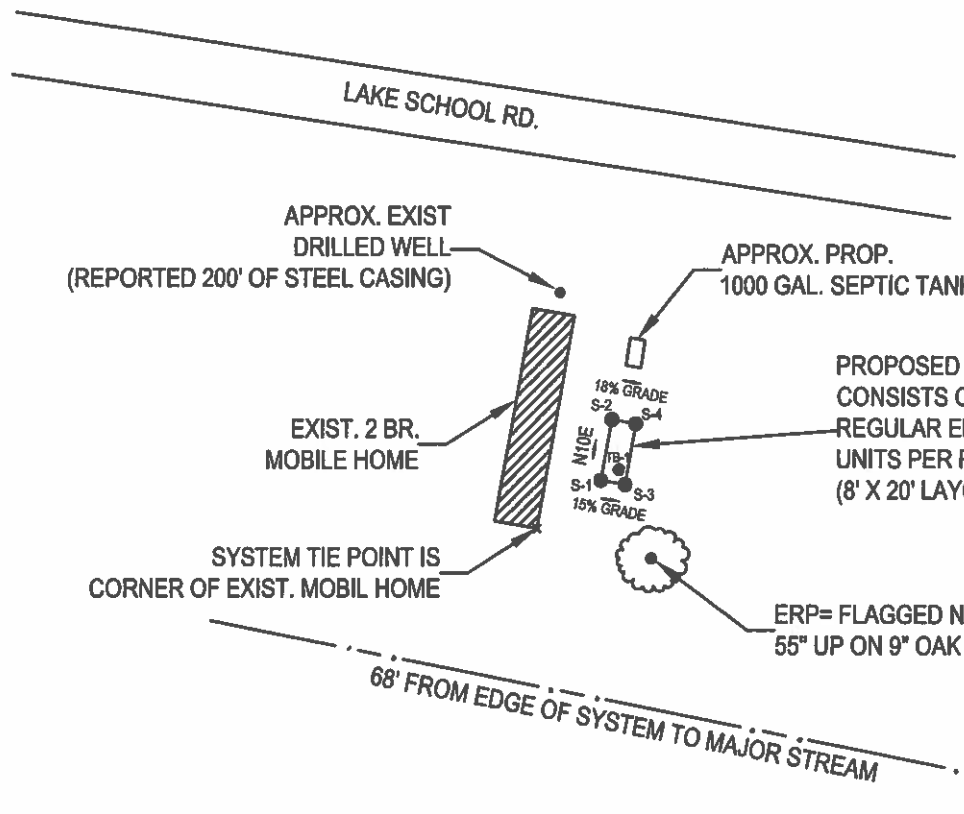
Town, City, Plantation
JAY, ME.

Street, Road, Subdivision
42 LAKE SCHOOL RD.

Owner or Applicant Name
TOWN OF JAY, ME. / JANICE BACHELDER

SITE PLAN Scale 1" = 60 ft.

SITE LOCATION PLAN



SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole # TB-1 Test Pit Boring

" Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0	SANDY LOAM	FRIABLE	DARK BROWN	None
6			STR. BRN.	
12			YELL. BRN.	
30				FEW & FAINT AT 29"
48	Soil Profile <u>4</u>	Classification Condition <u>C</u>	Slope Percent <u>16% AV.</u>	Limiting Factor Depth <u>29"</u>

Groundwater
 Restrictive Layer
 Bedrock

Observation Hole # Test Pit Boring

" Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0				
6				
12				
18				
24				
30				
36				
42				
48	Soil Profile <u> </u>	Classification Condition <u> </u>	Slope Percent <u> </u>	Limiting Factor Depth <u> </u>

Groundwater
 Restrictive Layer
 Bedrock

Scott R. [Signature]
Site Evaluator Signature

406
SE #

12/17/24
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Mississippi Department of Human Services
Division of Health Engineering, Station 10
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation
JAY, ME.

Street, Road, Subdivision
42 LAKE SCHOOL RD.

Owner or Applicant Name
TOWN OF JAY, ME. / JANICE BACHELDER

NOTE:

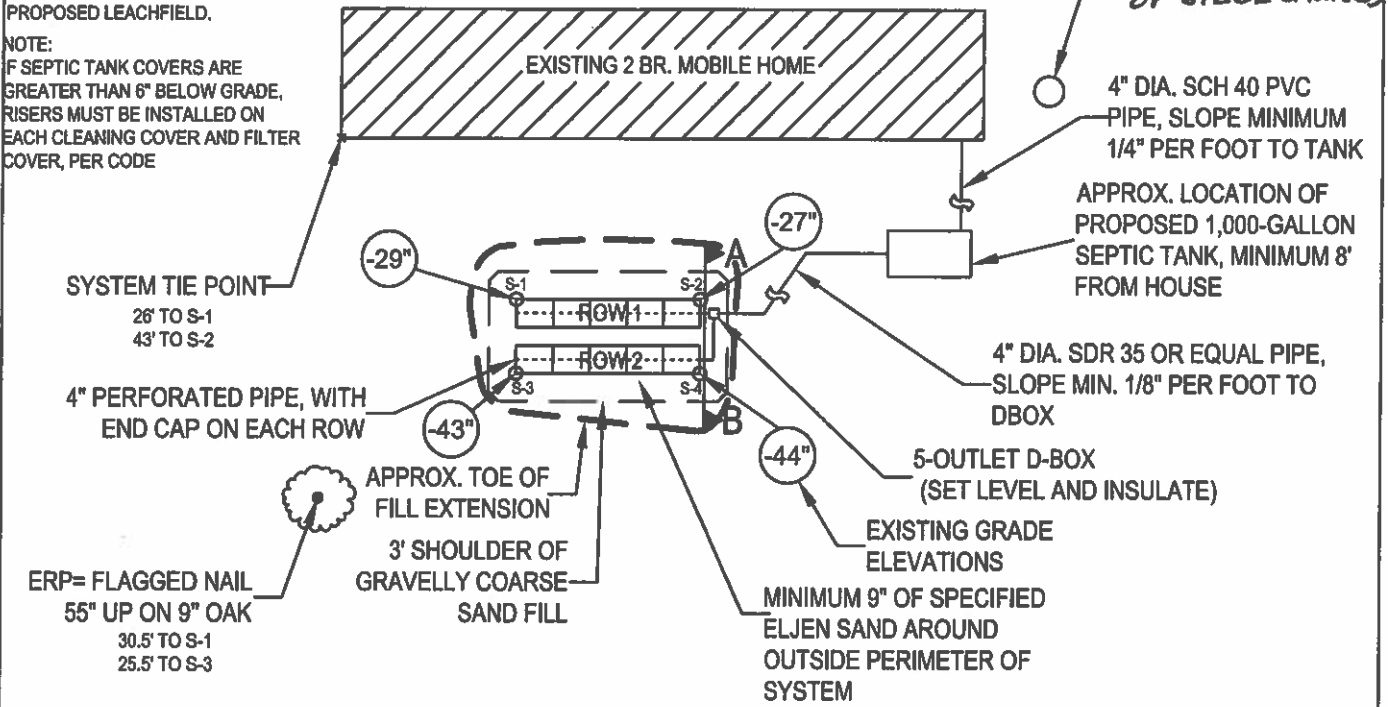
PRIOR TO CONSTRUCTION, CONTRACTOR SHOULD CONFIRM THAT ELEVATIONS OF NEW BUILDING SEWER PIPE AND SEPTIC TANK ALLOW FOR GRAVITY FLOW TO PROPOSED LEACHFIELD.

NOTE:

IF SEPTIC TANK COVERS ARE GREATER THAN 6" BELOW GRADE, RISERS MUST BE INSTALLED ON EACH CLEANING COVER AND FILTER COVER, PER CODE

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20 ft



BACKFILL REQUIREMENTS

Depth of Backfill (upslope) 4"±
Depth of Backfill (downslope) 12"±

CONSTRUCTION ELEVATIONS

Finished Grade Elevation (at Row 1) -23"±
Top of Perforated Pipe (at Row 1) -35"
Bottom of Eljen Unit (at Row 1) -46"
Bottom of System Sand (at Row 1) -52"

ELEVATION REFERENCE POINT (ERP)

Location & Description: ERP IS A FLAGGED NAIL
55" UP ON 9" OAK

Reference Elevation: ERP = 0"

NOTE:

SPECIFIED SAND: THE SYSTEM MUST BE INSTALLED USING A MEDIUM TO COARSE SAND WITH AN EFFECTIVE SIZE OF 0.25 TO 2.0MM, NO GREATER THAN 10% PASSING A #100 SIEVE AND 5% PASSING A #200 SIEVE, AND NO PARTICLES LARGER THAN 0.375"; OR MATERIALS MEETING THE ASTM C33 SPECIFICATION WITH LESS THAN 10% PASSING A #200 SIEVE. WASHED CONCRETE SAND EASILY MEETS THE ABOVE SPECIFICATION AND IS A RELIABLE CHOICE. SUITABILITY OF BANK RUN SAND MUST BE VERIFIED.

DISPOSAL FIELD CROSS SECTION

ANY QUESTIONS IN CONSTRUCTION OF SEPTIC SYSTEM CONTACT: SCOTT DIXON

Scales:

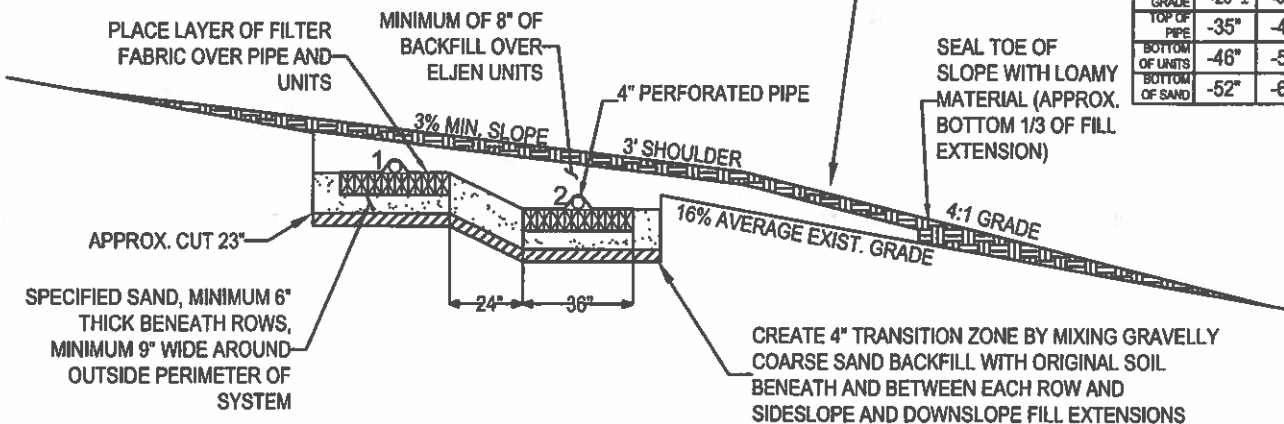
Vertical: 1" = 5
Horizontal: 1" = 5

MINIMUM 4" OF LOAM COVER, SEED AND MULCH TO PREVENT EROSION

ELEVATIONS: ERP=0"

	ROW 1	ROW 2
FINISH GRADE	-23" ±	-33" ±
TOP OF PIPE	-35"	-45"
BOTTOM OF UNITS	-46"	-56"
BOTTOM OF SAND	-52"	-62"

SEAL TOE OF SLOPE WITH LOAMY MATERIAL (APPROX. BOTTOM 1/3 OF FILL EXTENSION)



NOTE:

BACKFILL MEANS GRAVELLY COARSE SAND

Scott R. Dixon
Site Evaluator Signature

406
SE #

12/17/24
Date



Department of Health and Human Services
Maine Center for Disease Control and Prevention
286 Water Street
11 State House Station
Augusta, Maine 04333-0011
Tel: (207) 287-5672
Fax: (207) 287-4172; TTY: 1-800-606-0215

SUBSURFACE WASTEWATER DISPOSAL SYSTEM VARIANCE REQUEST

This form must accompany an application (HHE-200 Form) for any subsurface wastewater disposal system which requires a variance to provisions of the Subsurface Wastewater Disposal Rules. The Local Plumbing Inspector must not issue a permit for the installation of a subsurface wastewater disposal system requiring a variance from the Department of Health and Human Services until approval has been received from the Department.

GENERAL INFORMATION Town of Jay, Maine

Property Owner's Name: Janice Bachelder Tel. No.: 40 Town of Jay 207-897-6785

System's Location: 42 Lake School Rd.

Property Owner's Address: 66 Town Jay, 340 Main St., Jay ME Zip Code 04239

e-mail address: _____

The subsurface wastewater disposal system design for the subject property requires a replacement system variance first time system variance to the Subsurface Wastewater Disposal Rules. This variance requires local approval local and state approval.

SPECIFIC VARIANCE REQUESTED (To be filled in by Site Evaluator. Use additional sheets if needed.)

1. Reduced setback proposed leach field to neighbor dug well: 100' down to 85' SECTION OF RULE Section 9. B and

2. " " " " to major stream: 100' down to 68' Table 9. A

3. _____

SITE EVALUATOR

When a property is found to be unsuitable for subsurface wastewater disposal by a licensed Site Evaluator, the Evaluator shall so inform the property owner. If the property owner, after exploring all other alternatives, wishes to request a variance to the Rules, and the Evaluator in his professional opinion feels the variance request is justified and the site limitations can be overcome, he shall document the soil and site conditions on the Application. The Evaluator shall list the specific variances necessary plus describe below the proposed system design and function. The Evaluator shall further describe how the specific site limitations are to be overcome, and provide any other support documentation as required prior to consideration by the Department. Attach a separate sheet if necessary.

Ms. Bachelder indicated her drilled well has 200' of casing. This casing depth provides 204' lateral distance from her leach field and 202' lateral distance from her new septic tank, which each meet Code. This new Site Evaluator anticipates no detrimental impacts to the neighbor well or the stream, as the new leach field will allow infiltration and treatment of waste

I, Scott R. Dixon, S.E., certify that a variance to the Rules is necessary since a system cannot be installed which will completely satisfy all the Rule requirements. In my judgment, the proposed system design on the attached Application is the best alternative available, enhances the potential of the site for subsurface wastewater disposal; and that the system should function properly.

[Signature] SE 406 12/16/24
SIGNATURE OF SITE EVALUATOR DATE

PROPERTY OWNER

I, Janice Bachelder, am the owner agent for the owner of the subject property. I understand that the installation on the Application is not in total compliance with the Rules. Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.

[Signature] 12-20-24
 SIGNATURE OF OWNER DATE
 AGENT FOR THE OWNER

water by the soils within 20'-40' of the leach field. The E/Egens also provide improved treatment themselves even prior to effluent entering the subsurface

LOCAL PLUMBING INSPECTOR - Approval at local level

The local plumbing inspector shall review all variance requests prior to rendering a decision.

I, Kent Mitchell, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (does does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I (do do not) approve the requested variance. I (will will not) issue a permit for the system's installation as proposed by the application.

Kent Mitchell
LPI Signature

12/20/24
Date

LOCAL PLUMBING INSPECTOR - Referral to the Department

The local plumbing inspector shall review all variance requests prior to forwarding to the Division of Environmental Health.

I, _____, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (does does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I (do do not) recommend the issuance of a permit for the system's installation as proposed by the application.

LPI Signature

Date

FOR USE BY THE DEPARTMENT ONLY

The Department has reviewed the variance(s) and (does does not) give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

SIGNATURE OF THE DEPARTMENT

DATE

- Notes: 1. Variances for soil conditions may be approved at the local level as long as the total point assessment is at least the minimum allowed. (See Section 7.B.4 of the Subsurface Wastewater Disposal Rules for Municipal Review.)
2. Variances for other than soil conditions or soil conditions beyond the limit of the LPI's authority are to be submitted to the Department for review. (See Section 7.B.3 for Department Review.) The LPI's signature is required on these variance requests prior to sending them to the Department.

SOIL, SITE AND ENGINEERING FACTORS FOR FIRST TIME SYSTEM VARIANCE ASSESSMENT WITH LIMITING SOIL DRAINAGE CONDITIONS (SEE TABLES 7C THROUGH 7M).

	CHARACTERISTIC	POINT ASSESSMENT
Soil Profile		
Depth to Groundwater/Restrictive Layer		
Terrain		
Size of Property		
Waterbody Setback	X	X
Water Supply		
Type of Development		
Disposal Area Adjustment	X	X
Vertical Separation Distance		
Additional Treatment		
TOTAL POINT ASSESSMENT:		

Minimum Points (Check One): Outside Shoreland Zone-50 Inside Shoreland Zone-65 Subdivision-65



JANET T. MILLS
GOVERNOR

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION



MELANIE LOYZIM
COMMISSIONER

January 11, 2025

Town of Jay
Attn: Ronda Palmer, Town Clerk
340 Main Street
Jay, ME 04239

Subject: Small Community Grant Program, Design Approval for 42 Lake School Rd

Dear Ms. Palmer:

We have reviewed and approved the replacement septic system design, prepared by Scott R. Dixon and dated December 17, 2024, pertaining to the proposed project for Janice Bachelder, map 13A, lot 77A (as corrected from the typo noted by Town). We approve this design for bidding purposes, with the consideration of the following comments and inclusion of any additional notes as an attachment to the bidding documents to be provided to each Bidder:

1. Include a note to insulate the piping from septic tank and d-box against frost if installed above the frost protection depth.
2. Include a note for contractor to properly abandon existing system in place.

Our approval is contingent upon the design (HHE-200) being included (with its permit) in the bidding package that the Town must assemble for the bidders; note this means all variance requests (if applicable) must be approved before bidding. Please be sure that this complete package is provided to all bidders. The bid package must include the following documents which can be found in Appendices D and E of our program handbook:

1. Instructions for bidders
2. Bid Proposal Form
3. Contract Agreement
4. General Conditions
5. Construction Specifications
6. Design (with permit)
7. Change Order Form
8. Contractors Final Payment Affidavit Form
9. Any additional pages of notes or information provided by the Site Evaluator or the Town

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826

BANGOR
106 HOGAN ROAD, SUITE 6
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04769
(207) 764-0477 FAX: (207) 760-3143

The Town should advertise for bids as soon as the bidding package is ready. A formal, legal advertisement must be published in a local newspaper at least ten working days before bids are to be opened. Following the bid opening, please provide to the Department a bid tabulation showing all bids received, a copy of the advertisement, copy of the lowest responsive bidder's bid form, and a letter requesting our approval of contract award to that bidder. The Town should not award the contract until receiving our approval to do so.

Please be reminded that the Project Milestone Checklist, (from Appendix F of our Municipal Handbook), should be completed for each project as it proceeds. You must send us a copy of this completed checklist when requesting payment.

If you have questions or comments, please contact me at (207) 458-6400 or by email at zoe.leblanc@maine.gov.

Sincerely,



Zoe LeBlanc, P.E., Project Engineer
Division of Water Quality Management
Bureau of Water Quality
Augusta Office

Ec: Robert Hartley, P.E., SCG Program Coordinator

CHANGE ORDER

CHANGE ORDER NO. _____

OWNER OF SYSTEM: _____

Property Owner's Name

LOCATION OF SYSTEM: _____

Municipality

CONTRACTOR: _____

Name of Company

The following changes are hereby made to the CONTRACT DOCUMENTS:

(attach additional sheets if necessary)

Justification:

(attach additional sheets if necessary)

ORIGINAL CONTRACT PRICE: \$ _____

TOTAL INCREASE/DECREASE

FROM PREVIOUS CHANGE ORDERS: \$ _____

CHECK ONE:

INCREASE

DECREASE

THE CONTRACT PRICE DUE TO THIS CHANGE

ORDER WILL BE INCREASED/DECREASED BY: \$ _____

CHECK ONE:

INCREASE

DECREASE

NEW CONTRACT PRICE: \$ _____

The present date for completion of the work is: _____

The new date for completion of the work is: _____

To be effective this CHANGE ORDER must be approved by the Maine Department of Environmental Protection prior to its physical execution.

The undersigned agree to the terms of the CHANGE ORDER:

Authorized Municipality Official (Sign)

Authorized Municipality Official (Print)

(Date)

Contractor (Sign)

Contractor (Print)

(Date)

CONTRACTOR'S FINAL PAYMENT AFFIDAVIT

STATE of MAINE, COUNTY of _____

Before me, the undersigned authority, personally appeared _____ {name of affiant}, who, after being first duly sworn, according to law deposes and affirms that the cost of all labor, materials, and equipment and outstanding claims and indebtedness of whatever nature arising out of the performance of the contract between _____ {name of Municipality} and _____ {name of contractor's business} of _____ {town/city}, dated for the construction of _____ {name of owner} Septic System Replacement Project have been paid in full.

Signed, sealed, and delivered this _____ day of _____,

_____ {Name of affiant}

Signature

Title

Name of Contractor's business

Sworn to and subscribed before me this _____ day of _____,

_____ {Name of Notary Public}

Signature

My Commission expires: _____