

LEGAL  
INVITATION TO BID

The Town of Bridgton is accepting bids from contractors to furnish materials and replace one septic system in Bridgton. A portion of 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 replacement will be awarded by one total bid contract.

Bid Documents may be obtained at the Bridgton Municipal building from 8:00 am to 4:00 pm Monday to Friday. A pre-bid meeting to inspect the site will be conducted on July 1<sup>st</sup>, 2020.

Bidders must have a minimum 3 years' experience in septic system installation. (Or pre-qualify at the Town of Bridgton prior to bidding).

Sealed bids marked "Town of Bridgton Septic System Bids" must be submitted at the municipal building by 4:00 pm by July 10<sup>th</sup>, 2020, at which time they will be opened. The town reserves the right to accept or reject any or all bids. For more information please look on the Town of Bridgton website or call Code Enforcement Officer Brenda Day at 803-9963.

## AWARD BASED ON TOTAL BID

### 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 the total of several individual systems listed in the bid proposal. A single contract will be signed with the bidder whose aggregate price for all the work to be performed 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 bid shall include a price for the complete system without a pump station and 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:

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

### **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.

# 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.

<b>PROPERTY LOCATION</b>		<b>&gt;&gt; CAUTION: LPI APPROVAL REQUIRED &lt;&lt;</b>	
City, Town, or Plantation	<u>Bridgton</u>	Town/City	Permit # _____
Street or Road	<u>5 Ciliberto Way</u>	Date Permit Issued	<u>1/1</u> Fee: \$ _____ Double Fee Charged [ ]
Subdivision, Lot #		Local Plumbing Inspector Signature	L.P.I. # _____
<b>OWNER/APPLICANT INFORMATION</b>		<input type="checkbox"/> Owner <input type="checkbox"/> Town <input type="checkbox"/> State <input type="checkbox"/> Applicant	
Name (last, first, MI)	<u>Town of Bridgton</u>	The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.	
Mailing Address of Owner/Applicant	<u>3 Chase St. Bridgton, ME 04009</u>	Municipal Tax Map #	<u>11</u> Lot # <u>7C</u>
Daytime Tel. #	<u>647-8786</u>	<b>CAUTION: INSPECTION REQUIRED</b>	
<b>OWNER OR APPLICANT STATEMENT</b>		I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.	
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.		(1st) date approved _____	
Signature of Owner or Applicant _____ Date _____		Local Plumbing Inspector Signature _____ (2nd) date approved _____	

PERMIT INFORMATION			
<b>TYPE OF APPLICATION</b>	<b>THIS APPLICATION REQUIRES</b>	<b>DISPOSAL SYSTEM COMPONENTS</b>	<b>TYPE OF WATER SUPPLY</b>
<input type="checkbox"/> 1. First Time System <input checked="" type="checkbox"/> 2. Replacement System Type replaced: <u>?</u> Year installed: <u>?</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	<input checked="" 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 Approval <input type="checkbox"/> 3. Replacement System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval <input type="checkbox"/> 4. Minimum Lot Size Variance <input type="checkbox"/> 5. Seasonal Conversion Permit	<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	<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
<b>SIZE OF PROPERTY</b>	<b>DISPOSAL SYSTEM TO SERVE</b>		
<u>1/2 ±</u> SQ. FT. <input type="checkbox"/> ACRES	<input type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <u>3</u> <input type="checkbox"/> 2. Multiple Family Dwelling, No. of Units: _____ <input type="checkbox"/> 3. Other: _____ (specify)		
<b>SHORELAND ZONING</b>	Current Use <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped		
<input type="checkbox"/> Yes <input type="checkbox"/> No			

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
<b>TREATMENT TANK</b>	<b>DISPOSAL FIELD TYPE &amp; SIZE</b>	<b>GARBAGE DISPOSAL UNIT</b>	<b>DESIGN FLOW</b>
<input checked="" type="checkbox"/> 1. Concrete <input checked="" type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input type="checkbox"/> 2. Plastic <input type="checkbox"/> 3. Other: _____ CAPACITY: <u>1000</u> GAL	<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 checked="" type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other: _____ SIZE: <u>900</u> sq. ft. <input type="checkbox"/> lin. ft.	<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	<u>270</u> gallons per day BASED ON: <input checked="" type="checkbox"/> 1. Table 4A (dwelling unit(s)) <input type="checkbox"/> 2. Table 4C (other facilities) SHOW CALCULATIONS for other facilities
<b>SOIL DATA &amp; DESIGN CLASS</b>	<b>DISPOSAL FIELD SIZING</b>	<b>EFFLUENT/EJECTOR PUMP</b>	<b>LATITUDE AND LONGITUDE</b>
PROFILE CONDITION <u>31C</u> at Observation Hole # _____ Depth <u>21"</u> of Most Limiting Soil Factor	<input type="checkbox"/> 1. Medium—2.6 sq. ft. / gpd <input checked="" 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	<input checked="" type="checkbox"/> 1. Not Required <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 at center of disposal area Lat. <u>44</u> d <u>03</u> m <u>47</u> s Lon. <u>70</u> d <u>30</u> m <u>38</u> s if g.p.s., state margin of error: <u>10'</u>

SITE EVALUATOR STATEMENT		
I certify that on <u>11/26/19</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	SE #	Date
<u>George Sawyer</u>	<u>176</u>	<u>11/27/19</u>
Site Evaluator Name Printed	Telephone Number	E-mail Address
	<u>647-8190</u>	

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services  
 Division of Environmental Health, STS 11  
 (207) 287-5689 FAX (207) 287-3165

Town, City, Plantation  
Bridgton

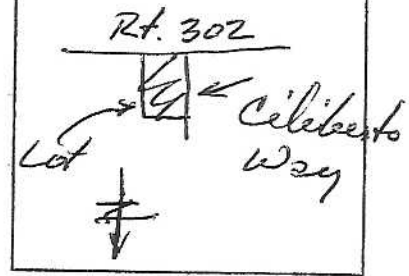
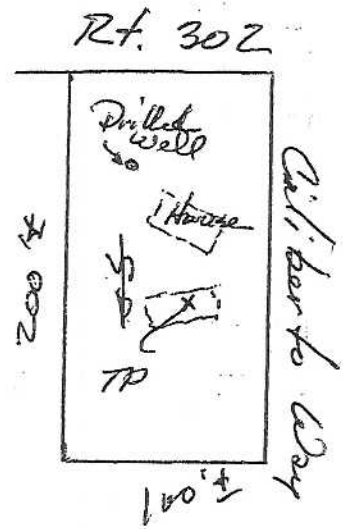
Street, Road, Subdivision  
5 Ciliberto Way

Owner or Applicant Name  
Town of Bridgton

## SITE PLAN

Scale: 1" = 100 ft.

SITE LOCATION MAP  
 (Attach map from Maine Atlas for First Time System Variance)



## SOIL PROFILE DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole # 1  Test Pit  Boring

Depth of organic horizon above mineral soil \_\_\_\_\_ "

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0				
6	Loam		Dark Brown	
12				
18	Sandy	Friable	Grey	
24	Loam		Brown	Fine
30	Fine	Firm	Grey	
36	Loam			
42	Sand			
48				

Soil Profile <u>3</u>	Classification <u>3</u>	Slope <u>2-6</u> Percent	Limiting Factor <u>21</u> " Depth	<input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> 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 _____	Classification _____	Slope _____ Percent	Limiting Factor _____ " Depth	<input type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock
--------------------	----------------------	---------------------	-------------------------------	--

[Signature]  
 Site Evaluator Signature

SE # \_\_\_\_\_

Date \_\_\_\_\_

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services  
 Division of Environmental Health, STS 11  
 (207) 287-5689 FAX (207) 287-3165

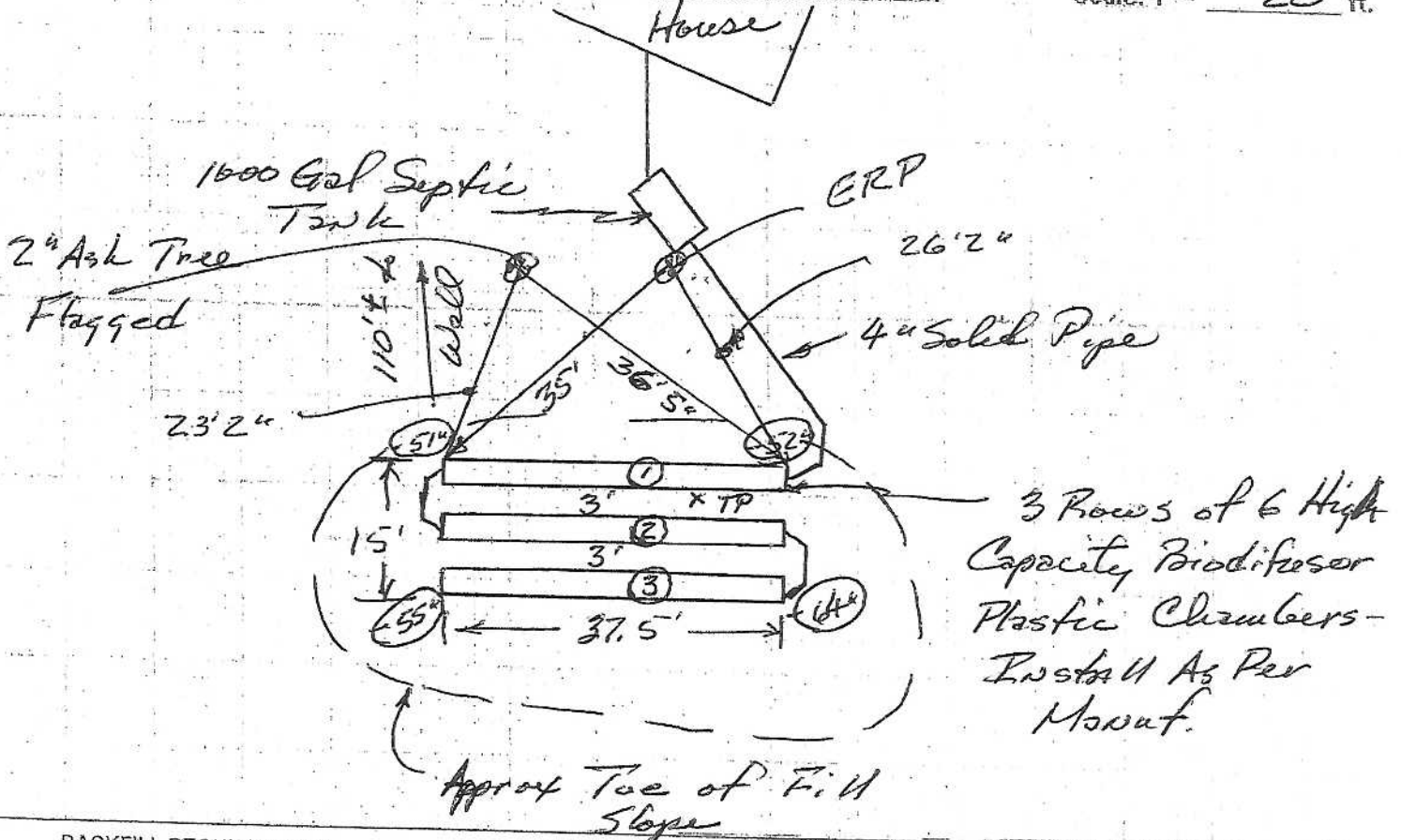
Town, City, Plantation  
Bridgeton

Street, Road, Subdivision  
5 Celiberto Way

Owner or Applicant Name  
Town of Bridgeton

## SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20 ft.



### BACKFILL REQUIREMENTS

Depth of Backfill (upslope) 15-16"  
 Depth of Backfill (downslope) 18-21"  
 DEPTHS AT CROSS-SECTION (shown below)

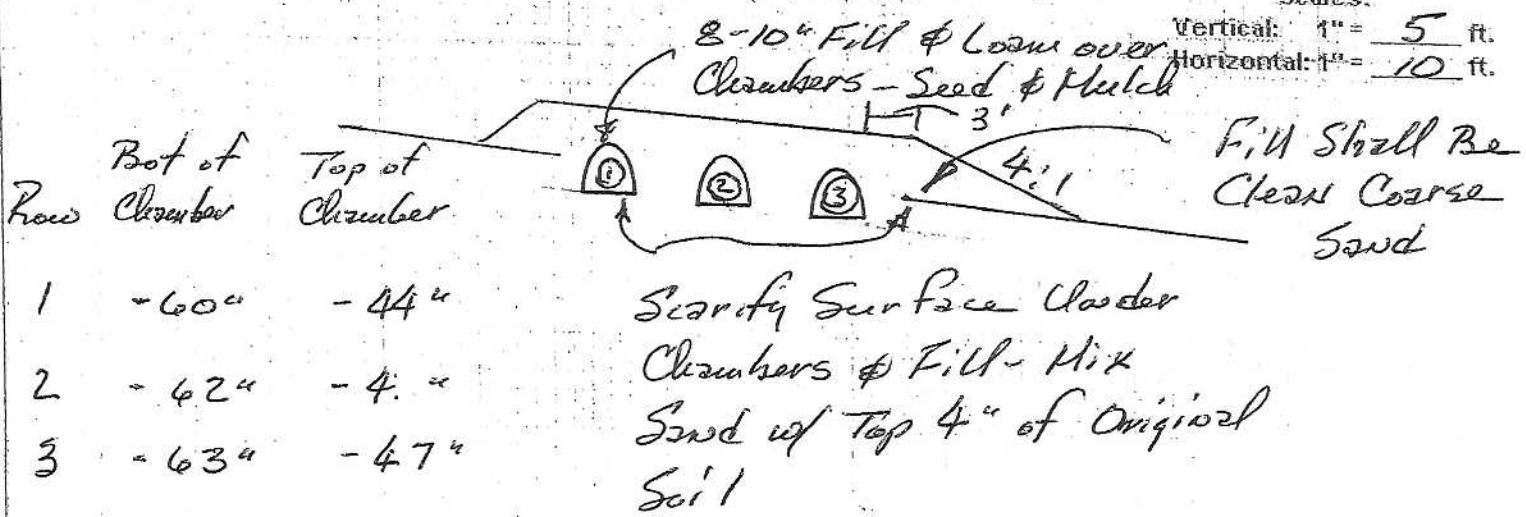
### CONSTRUCTION ELEVATIONS

Finished Grade Elevation \_\_\_\_\_"  
 Top of Distribution Pipe or Proprietary Device \_\_\_\_\_"  
 Bottom of Disposal Field \_\_\_\_\_"

### ELEVATION REFERENCE POINT

Location & Description: Neilia 12"  
Ask @ 31" Above Grd  
 Reference Elevation is: 0.0" or \_\_\_\_\_

### DISPOSAL FIELD CROSS-SECTION



*[Signature]*  
 Site Evaluator Signature

176  
 SE #

11/27/19  
 Date