

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

>> CAUTION: LPI APPROVAL REQUIRED <<

PROPERTY LOCATION		Town/City <u>Lamoine</u> Permit # <u>1969</u>	
City, Town, or Plantation	<u>LAMOINE</u>	Date Permit Issued <u>8/21/19</u> Fee \$ <u>265</u> Double Fee Charged ( )	
Street or Road	<u>WOODCOCK LANE</u>	<u>Debra Ober</u> Local Plumbing Inspector Signature	L.P.I. # <u>394</u>
Subdivision, Lot #		<input type="checkbox"/> Owner <input type="checkbox"/> Town <input checked="" type="checkbox"/> State	
OWNER/APPLICANT INFORMATION			
Name (last, first, MI)	<u>GERMIN, CHRISTOPHER</u>	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant	
Mailing Address of	<u>38894 N. POINT PARKWAY</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 the application and the Maine Subsurface Wastewater Disposal Rules.	
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant	<u>HARRISON TWP., MI 48045</u>	Municipal Tax Map # <u>10</u> Lot # <u>7-1-A</u>	
Daytime Tel. #	<u>(313) 549-2054</u>	<p style="text-align: center;"><b>CAUTION: INSPECTION REQUIRED</b></p> I have inspected the installation authorized above and found it to be in compliance with 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) _____ (2nd Date Approved) _____	
Signature of Owner or Applicant <u>[Signature]</u> Date <u>8-13-2019</u>		Local Plumbing Inspector Signature _____	

## PERMIT INFORMATION

TYPE OF APPLICATION <input checked="" type="checkbox"/> 1. First Time System <input type="checkbox"/> 2. Replacement System Type Replaced: _____ Year Installed: _____ <input type="checkbox"/> 3. Expanded System <input type="checkbox"/> a. Minor Expansion <input type="checkbox"/> b. Major Expansion <input type="checkbox"/> 4. Experimental System <input type="checkbox"/> 5. Seasonal Conversion	THIS APPLICATION REQUIRES <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	DISPOSAL SYSTEM COMPONENT(S) <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
	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 checked="" type="checkbox"/> 3. Other: (SPECIFY) <u>One Bedroom with Bathroom in barn (No Kitchen)</u> Current Use: <input type="checkbox"/> Seasonal <input type="checkbox"/> Year Round <input checked="" type="checkbox"/> Undeveloped	TYPE OF WATER SUPPLY TO BE <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: _____
SIZE OF PROPERTY <u>10±</u> sq. ft. <input type="checkbox"/> <input checked="" type="checkbox"/> acres	SHORELAND ZONING <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

## DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK <input checked="" type="checkbox"/> 1. Concrete <u>TWO 1000 GAL WATER TIGHT TANKS</u> <input type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input type="checkbox"/> 2. Plastic <input checked="" type="checkbox"/> 3. Other: <u>LIFT STATIONS</u> CAPACITY <u>2000</u> gallons	DISPOSAL FIELD TYPE & SIZE <input type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench <input checked="" type="checkbox"/> 3. Proprietary Device <u>18 SIDE FEED CONCRETE CHAMBERS</u> <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>1386</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	270 DESIGN FLOW 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 <u>2 BEDROOM HOUSE WITH 1 REMOTE BEDROOM 270</u>
SOIL DATA & DESIGN CLASS PROFILE CONDITION <u>9 / D</u> at Observation Hole # <u>1</u> Depth <u>10"</u> OF MOST LIMITING SOIL FACTOR	DISPOSAL FIELD SIZING <input 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 checked="" type="checkbox"/> 4. Extra Large -- 5.0 sq. ft./gpd	EFFLUENT/EJECTOR PUMP <input type="checkbox"/> 1. Not Required <input type="checkbox"/> 2. May be Required <input checked="" 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° 30' 52.3" N</u> Lon. <u>68° 18' 58" W</u> if g.p.s., state margin of error <u>30'</u>

## SITE EVALUATOR STATEMENT

I certify that on 5-9-17 (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: [Signature] SE# 319 Date: 5-17-17 4-28-19  
 Site Evaluator Name Printed: WILLIAM A. LABELLE, JR. Telephone Number: (207) 537-5900 E-mail Address: labelleseptic@rivah.net

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

SEE NOTE PAGE 2A

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services  
 Division of Environmental Health, 11 SHS  
 (207) 287-5672 FAX (207) 287-4172

Town, City, Plantation  
**LAMOINE**

Street, Road, Subdivision  
**WOODCOCK LANE**

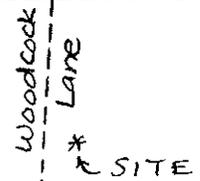
Owner or Applicant Name  
**CHRISTOPHER GERKIN**

SITE PLAN

Scale 1" = 200 Ft.

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

Mud Creek Road



(SEE ATTACHED SKETCH/SITE PLAN)

TP #3: B-D, 12" S.G.W.T.

SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above or on pg. 2A)

Observation Hole #1  Test Pit  Boring  
2 " Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling
SILTY CLAY LOAM	FRIABLE	DK. YEL. BROWN (10YR 4/4) YELLOWISH BROWN (10YR 5/8)	N.E.
TO CLAY	COMPACTED	LIGHT OLIVE BROWN (2.5Y 5/3)	COMMON DISTINCT

DEPTH BELOW MINERAL SOIL SURFACE (inches): 10, 20, 30, 40, 50

Soil Profile <u>9</u>	Classification <u>D</u>	Slope <u>3</u> %	Limiting Factor <u>10</u> " Depth	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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Observation Hole #2  Test Pit  Boring  
2 " Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling
SANDY GRAVELLY LOAM	FRIABLE	GRAY (10YR 6/1) DARK YELLOWISH BROWN (10YR 3/6)	N.E.
OVER-LYING CLAY	COMPACTED	LIGHT OLIVE BROWN (2.5Y 5/4)	COMMON DISTINCT

DEPTH BELOW MINERAL SOIL SURFACE (inches): 10, 20, 30, 40, 50

Soil Profile <u>7</u>	Classification <u>D</u>	Slope <u>3</u> %	Limiting Factor <u>10</u> " Depth	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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W. G. Z.  
 Site Evaluator's Signature

319  
 S. E. #

5-17-17 4-28-19  
 Date



# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services  
Division of Environmental Health, 11 SHS  
(207) 287-2070 FAX (207) 287-4172

Town, City, Plantation  
**LAMOINE**

Street, Road, Subdivision  
**WOODCOCK LANE**

Owner or Applicant Name  
**CHRISTOPHER GERKIN**

## SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20 FT.

PROPOSED 18'-4" x 8' SIDE FEED  
CHAMBERS PLACED IN 2 ROWS OF 9  
SEPARATED BY 5'; FOUR CORNERS  
ARE STAKED OUT,

2" PRESSURE LINE,  
PROTECT FROM  
FREEZING & CRUSHING.

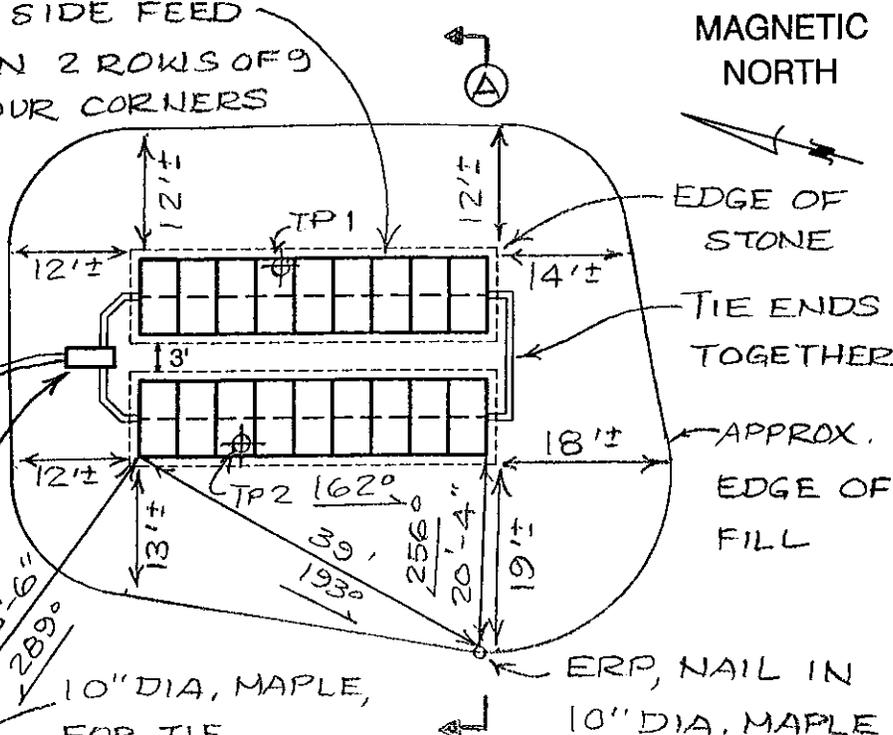
← TO  
LIFT STATION  
AT HOUSE

← TO  
LIFT STATION  
AT BARN  
(SEE PAGE 2A)

8-HOLE DISTRIBUTION  
BOX SET ON FIRM  
LEVEL BASE.  
PROTECT FROM FREEZING.  
FEED ROWS EQUALLY.

SCALE: 1" = 20'

0' 5' 10' 20' 30' 40'



MAGNETIC  
NORTH

EDGE OF  
STONE

TIE ENDS  
TOGETHER

APPROX.  
EDGE OF  
FILL

ERP, NAIL IN  
10" DIA. MAPLE

NOTE: SEE ALL NOTES  
PAGE 2A.

FILL REQUIREMENTS	CONSTRUCTION ELEVATIONS	SYSTEM:	PRIVY:	ELEVATION REFERENCE POINT
Depth of Backfill (Upslope) <u>29"-31"</u>	Finished Grade Elevation <u>CROWN - 35"</u>	<u>-35"</u>	<u>N/A</u>	Location & Description <u>NAIL GA.</u>
Depth of Backfill (Downslope) <u>30"-41"</u>	Top of Distribution Pipe or Proprietary Device <u>-47"</u>	<u>-47"</u>	<u>N/A</u>	<u>ABOVE GROUND IN A</u>
Depths @ cross-section shown below or on X-sec. detail.	Bottom of Disposal Field <u>-60"</u>	<u>-60"</u>		Reference Elevation is: <u>0"</u>

### NOTES:

DISPOSAL AREA CROSS SECTION (SEE ATTACHED CROSS SECTION)

1. Tank(s) must be 8' minimum from building.
2. Grade surrounding area to divert surface water away from system.
3. Well to be 51' minimum from septic tank(s) and 100' minimum from disposal field.
4. All work done adjacent to wetlands and water bodies must be done in compliance with section 12 of the Subsurface Wastewater Disposal Rules. Erosion and sediment control measures must be in accordance with the March 2003 edition of the Maine DEP Handbook "Maine Erosion and Sediment Control BMPs" (DEPW0588).
5. Install septic tank(s) risers 18" in diameter "minimum" to within 6" of finished grade on inlet, cleanout and outlet covers (recommend extending risers to finish grade). Install risers to finish grade of appropriate size to allow pump removal on all in-tank pump chambers and separate pump tanks.
6. Protect lift stations and pump tanks from freezing.
7. Full basement below grade foundation or frost wall must be 20' minimum from edge of disposal field and no full basement, slab, columns or posts must be 15' minimum from edge of disposal field.

*W. C. R. H.*  
Site Evaluator's Signature

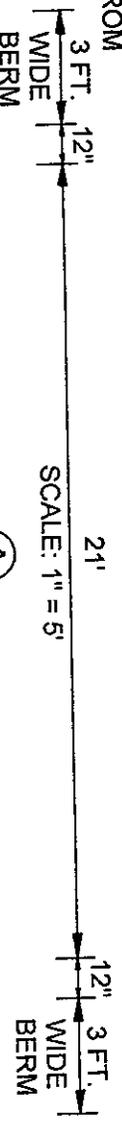
319  
S.E. #

4-28-19  
Date

NOTE:

GRADE UPSLOPE TO DIVERT SURFACE WATER AWAY FROM SYSTEM.

# DISPOSAL AREA CROSS SECTION



TOP 4" OF FILL TO BE A GOOD LOAM SOIL MIX TO ESTABLISH A GOOD VEGETATIVE COVER. SEED AND MULCH TO PREVENT EROSION, SEC. 11-G.

FILL MATERIAL SHALL BE 8"-12" THICK OVER CHAMBERS AND SHALL BE GRAVELLY COARSE SAND TO THE STANDARDS IN SEC. 11-E IN THE SUBSURFACE RULES.

CROWN FINISH GRADE FROM CENTER AT 3% SLOPE

FILL EXTENSIONS NO GREATER THAN 4:1, (25% SLOPE).

REMOVE VEGETATION AND SCARIFY ORIGINAL SOIL UNDER ENTIRE FILL AREA, SEC. 11-B.

BOTTOM OF CHAMBERS MUST BE LEVEL WITH MAXIMUM GRADE TOLERANCE OF 2" PER 100'.

2" COMPRESSED HAY (OR FILTER FABRIC) SEC. 11-F RECOMMENDED OVER STONE AND CHAMBERS

12" CLEAN STONE, (3/4" - 2 1/2" DIA.), UNIFORM SIZE.

EXISTING GRADE LIMITING FACTOR

THOROUGHLY MIX, DISK OR ROTO-TILL CLEAN, COARSE, SHARP SAND INTO TOP 6 INCHES OF ORIGINAL SOIL TO CREATE A TRANSITION ZONE, SEC. 11-B.

- ELEVATIONS:
- ELEV. REF. PT. (ERP): 0"
  - FINISHED GRADE: -35" CROWN
  - TOP OF CHAMBERS: -47"
  - BOTTOM OF CHAMBERS: -60"

OWNER: CHRISTOPHER GERKIN  
 LOCATION: LAMOINE

NOTE:  
 SYSTEM MUST BE INSTALLED ACCORDING TO THE RULES AND PRACTICES SET FORTH IN THE MOST CURRENT VERSION OF THE STATE OF MAINE SUBSURFACE WASTEWATER DISPOSAL RULES. INSTALLATION CONTRACTOR MUST BE FAMILIAR WITH SAID RULES AND CONSTRUCT SYSTEM IN FULL COMPLIANCE WITH SECTION 11 OF SAID RULES.

DOC 17  
 WILLIAM A. LABELLE, JR.

S.E.# 319

DATE 4-28-19