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Windsor-Essex County Health Unit

Leamington Location:
215 Talbot St. East
Leamington, Ont. N8H 3X5
Phone: 519-326-5716
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APPLICATION FOR SEWAGE SYSTEM APPLICATION #

PROPERTY DESCRIPTION

Municipality _____ Lot _____ Concession _____ Plan _____ Sub Lot _____

Municipal Address of Site _____

Directions to Lot _____

Lot Size _____ x _____ Assessment Roll # _____

APPLICANT (please print)

Name _____ Telephone _____

Street Address _____ Town/City _____ Postal Code _____

INSTALLER NAME _____ CERTIFICATION NUMBER _____

OWNER (if different from applicant / installer)

Name _____ Telephone _____

Address _____ Town/City _____ Postal Code _____

PROPOSAL

Propose to _____ a Class _____ Sewage System to Serve _____

_____ (Construct/ Repair/Alter) (Tile Bed = 4, Holding Tank = 5) (Single Family Dwelling, Bunk House, Retail etc)

PROPOSED DESIGN - ATTACH A DETAILED SITE PLAN SHOWING THE LOCATION OF DWELLING AND SEWAGE SYSTEM (WITH CROSS-SECTION) IN RELATION TO LOT LINES, WELLS, SURFACE WATER, DRIVEWAYS, EASEMENTS, SWIMMING POOLS AND OTHER BUILDINGS.

OTHER ATTACHMENTS REQUIRED ARE SOIL ANALYSIS REPORT, TABLE 1 (calculation of fixture units), Table 2 (calculation of daily estimated sewage flow).

BEDROOMS _____ # FIXTURES UNITS _____ TOTAL FLOOR AREA _____ M²
(employees)

Percolation rate _____ Estimated Daily Sewage Flow _____ Litres/day Septic tank size _____ Litres (minimum 3600 litres)

Disposal Bed Size (complete only applicable formula)

1. Standard Trenches: 2. Raised : 3. Shallow Buried Trenches:
Refer to guidelines for applicable formula

$L = \frac{Q \times T}{200}$ $= \frac{\quad \times \quad}{200}$ $= \quad \text{Metres}$	$L = \frac{Q \times T}{200}$ $= \frac{\quad \times \quad}{200} \text{ (T of fill)}$ $= \quad \text{Metres}$	$L = \frac{Q}{75}$ $L = \frac{Q}{40}$ $= \quad \text{Metres}$
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Dosing Pump Required _____ Yes/No If Yes, Dosing Capacity _____

If installing a Tertiary Treatment Unit with Shallow Buried Trenches, please attach manufacturer's service and monitoring agreement.

Owner / Agent Signature _____ **Date** _____

I certify that the above information is complete and correct.

SITE INSPECTION REPORT - FOR OFFICE USE ONLY

Weather _____ Surface Drainage _____
Adequate/Not Adequate

Compliance with Applicable Laws: Zoning _____ Flood Plane Management _____ Other _____
Yes/No Yes/No Yes/No

Inspection Date _____

Additional Requirements _____

Recommended By _____

Reasons for **Not** Approving _____

APPROVED BY _____ DATE _____

Soil Profile Depth (m)

_____	0.00
_____	0.50
_____	1.00
_____	1.50

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Permit #

SITE PLAN

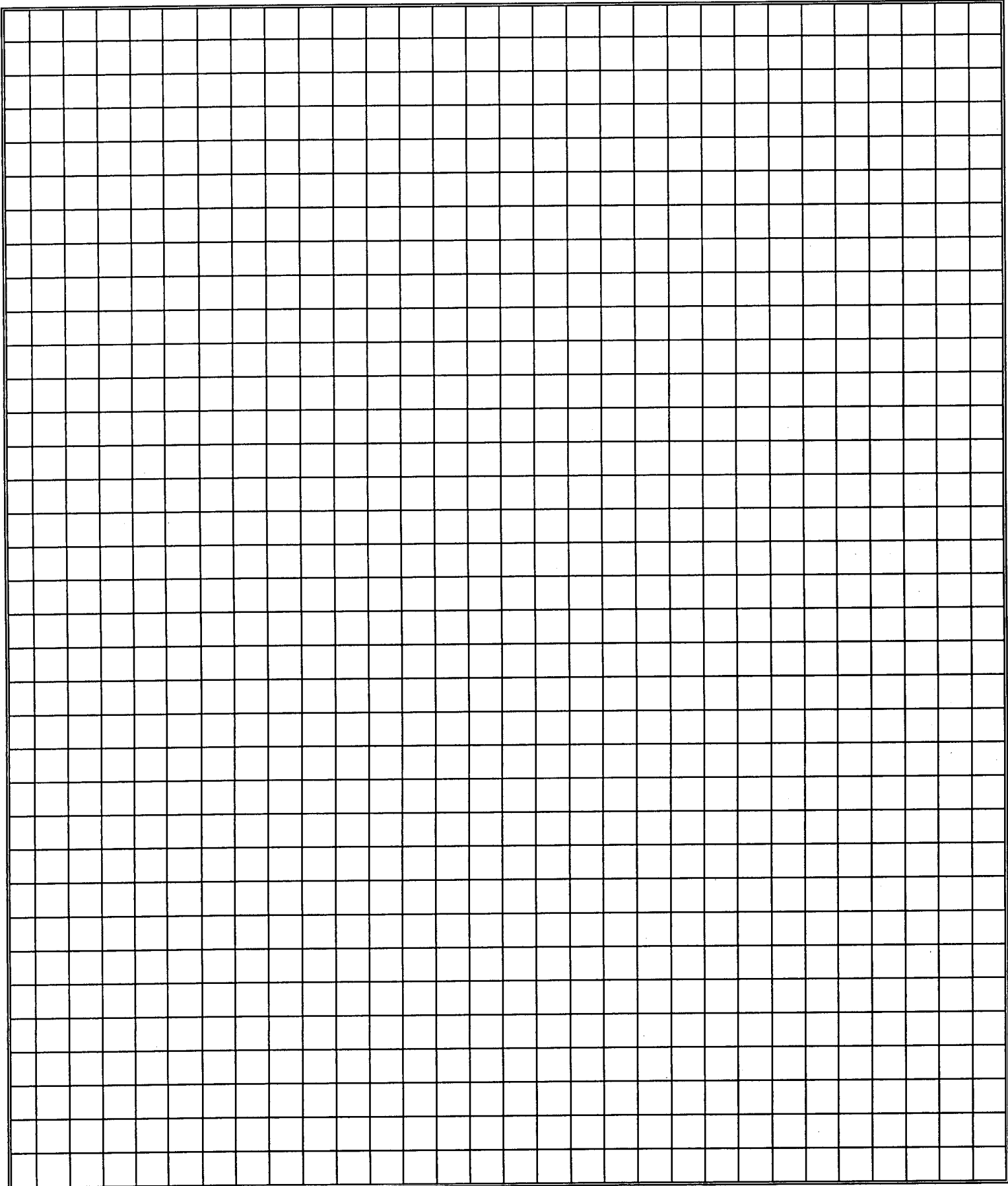


TABLE 1

CALCULATION OF FIXTURE UNITS - HYDRAULIC LOAD

	COLUMN 1	COLUMN 2	COLUMN 3 (multiply columns 1 by columns 2)
ITEMS:	FIXTURE UNITS PER ITEM	HOW MANY ?	TOTAL FIXTURE UNITS
FULL BATHROOM (toilet, sink, shower or bathtub)	8		
½ BATHROOM (toilet, sink)	5 ½		

ADDITIONAL BATHROOM FIXTURES - NOT COUNTED ABOVE

WHIRLPOOL BATHROOM	2		
FLUSH TOILET	4		
SHOWER STALL	1 ½		
BATHTUB	1 ½		
WASHBASIN	1 ½		
BIDET	1		
KITCHEN SINK (single bowl 1 ½, double bowl 3)	1 ½ or 3		
DISHWASHER	1 ½		
LAUNDRY TUB/ Washing Machine	1 ½		

TOTAL NUMBER OF FIXTURE UNITS: (add up column 3) = _____

*INCLUDE ANY FIXTURES THAT MAY BE PLANNED IN FUTURE EXPANSION/RENOVATIONS

OWNER / APPLICANT SIGNATURE

PLEASE ATTACH THIS COMPLETED TABLE TO YOUR APPLICATION

CARE AND MAINTENANCE OF PRIVATE WASTE DISPOSAL SYSTEMS (SEPTIC TANK AND TILE BED)

1. Under no circumstances should a homeowner enter a septic tank
 - Noxious gases, which are heavier than air, remain in the tank after the cover is removed, and have caused death both to the original victim and to those who attempted to rescue the person from the tank.
 - A licensed professional should only do entry into, and inspection of a septic.
2. Do not alter the grade over the tile bed after it has been installed and inspected.
 - This may affect its biological operation and may result in malfunctioning of the system.
3. The septic tank should be inspected at least every two years and pumped out when necessary.
 - The septic should be pumped out every 3-4 years, or when the sludge in the tank is approaching the 1/3 full mark.
 - If more than this amount of sludge builds up, there is a chance that particles can get into the disposal field and cause blockage and system failure.
4. Keep water usage to minimum
 - The more water used, the more that must be handled by septic drain fields.
 - Purchase appliances such as dishwashers and washing machines, which have water-conserving features.
 - Install water conserving showerheads and faucets and fix leaky faucets.
 - Avoid indiscriminate flushing of toilets.
 - Minimize the use of spas and hot tubs.
 - Wash only full loads of clothes, and distribute was loads over sever days rather than all on one day.
 - Food waste disposer are not recommended for use with private septic systems as the tile bed must be increased by as must as 25% in size.
 - As an alternative to disposing of organic materials through your septic system, try composting. More information on this is available by calling the Essex-Windsor Waste Management Committee at 1-800-563-3377.
5. Do not use this septic tank as a disposal system.
 - Do not allow the following items to enter the system, water softener backwash, paints, solvents, grease, coffee grounds, bones, cooking fats, filter cigarette butts, disposal diapers, paper toweling, tissues, sanitary napkins, etc.
 - Moderate use of household drain solvents, cleaners disinfectants, etc., should not interfere with the operation of the sewage disposal system, however, indiscriminate use may cause problems.
 - Organic based household cleaners are highly recommended.
 - White toilet papers are preferred, as it breaks down faster and more completely than colored toilet paper.
6. Do not allow roof drains, sump pump discharge or surface runoff to drain toward the tile field area.
 - Water ponding upon the tile field and saturation of soil within the tile field reduces the overall effectiveness of the system by reducing the ability of the tile field to dispose of liquid wastes.
 - Do not install sprinkler systems in the tile bed area.
7. Vehicular traffic (including snowmobiles) should not be allowed over the leaching bed.
 - Any traffic over the leaching bed may cause solid compaction and damage to the distribution pipe.
 - In the winter, snowmobile traffic causes compaction of the snow, which can increase the depth of freezing which can have negative effects on the leaching bed.
8. There should be no need to use "starters", "bacterial feeds" or "cleaners" in the tank.
 - It is important not to add excessive amounts of soil to the leaching bed as this may prevent evapotranspiration.
 - It is also important that objects such as patios, sundecks, swimming pools and tool sheds not be located within 15 feet of the leaching bed.
 - Trees or shrubs should not be planted within 10 feet of this area.
 - Shrubs planted in the tile bed area as approved by the Ministry of Health can improve the effectiveness of the system.
 - Avoid planting shallow rooting trees such as willows and cedars near the tank or tile disposal field.

THIS IS NOT A GUARANTEE OF THE SYSTEMS WORKMANSHIP, OR THAT IT WILL CONTINUE TO FUNCTION AS DESIGNED. THE MALFUNCTION OF A SEPTIC SYSTEM SHOULD BE REPORTED PROMPTLY TO THE AGENCY RESPONSIBLE FOR PART V1 OF THE ONTARIO BUILDING CODE IN YOUR MUNICIPALITY.