#186

No. 72-26

Fee $3.00

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town of Amherst

Application for Disposal Works Construction Permit

COMMONWEALTH OF MASSACHUSETTS — MILES J. HUBLER 20623 — REGISTERED PROFESSIONAL ENGINEER

Application is hereby made for a Permit to Construct (X) or Repair ( ) an Individual Sewage Disposal System at:

186 Harkness Rd. — Location - Address
1/2 Mi. North of Route 9 — or Lot No.
Chester J. Mileszko — Owner
285 Belchertown Rd. Amherst MA 01002 — Address
Karls Excavating — Installer
N. Hadley MA — Address

Type of Building — Size Lot 1+ Ac. Sq. feet

Dwelling — No. of Bedrooms 4 — Expansion Attic ( ) — Garbage Grinder (yes)

Other — Type of Building ..... No. of persons ..... Showers ( ) — Cafeteria ( )

Other fixtures .....

Design Flow 50 gallons per person per day. Total daily flow 400 gallons.

Septic Tank — Liquid capacity 1000 gallons Length ..... Width ..... Diameter ..... Depth .....

Disposal Trench — No. ..... Width ..... Total Length ..... Total leaching area ..... sq. ft.

Seepage Pit No. 1 ~~Diameter~~ 12x12 Depth below inlet 3 1/2 Total leaching area 312 sq. ft.

Other Distribution box ( ) Dosing tank ( )

Percolation Test Results Performed by Miles J. Hubler PE Date 9-11-72

Test Pit No. 1 1.6 minutes per inch Depth of Test Pit 30" Depth to ground water none

Test Pit No. 2 ..... minutes per inch Depth of Test Pit ..... Depth to ground water .....

Description of Soil 0-3" woods turf P. loose 3"-30" +sand SW loose very stony.

Nature of Repairs or Alterations — Answer when applicable .....

Agreement:

The undersigned agrees to install the aforedescribed Individual Sewage Disposal System in accordance with the provisions of Article XI of the State Sanitary Code — The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by the board of health.

Signed Chester J Mileszko — Date 9-11-72

Application Approved By C E Drake Jr. — Date 9-11-72

Application Disapproved *for the following reasons:* ..... Date

Permit No. ..... Issued ..... Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town of Amherst

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed (X) or Repaired ( ) by KARLS EXC. (Installer) at HARKNESS ROAD has been installed in accordance with the provisions of Article XI of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. ..... dated .....

THE ISSUANCE OF THIS CERTIFICATE SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORY.

DATE 12-15-72 Inspector C E Drake Jr.

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

No. 72-26 Town of Amherst Fee $3.00

Disposal Works Construction Permit

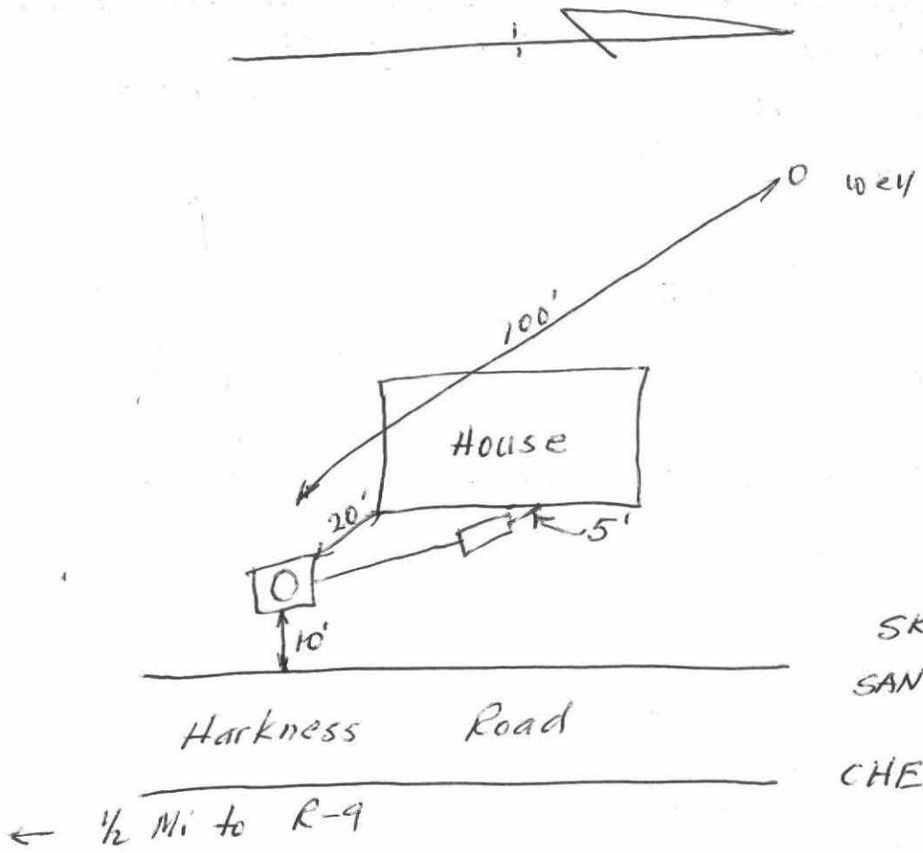
Permission is hereby granted CHESTER MILESZKO to Construct (X) or Repair ( ) an Individual Sewage Disposal System at No. HARKNESS RD. (Street) as shown on the application for Disposal Works Construction Permit No. 72-26 Dated 9-11-72

DATE 9-11-72 C E Drake Jr. (Board of Health)

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS

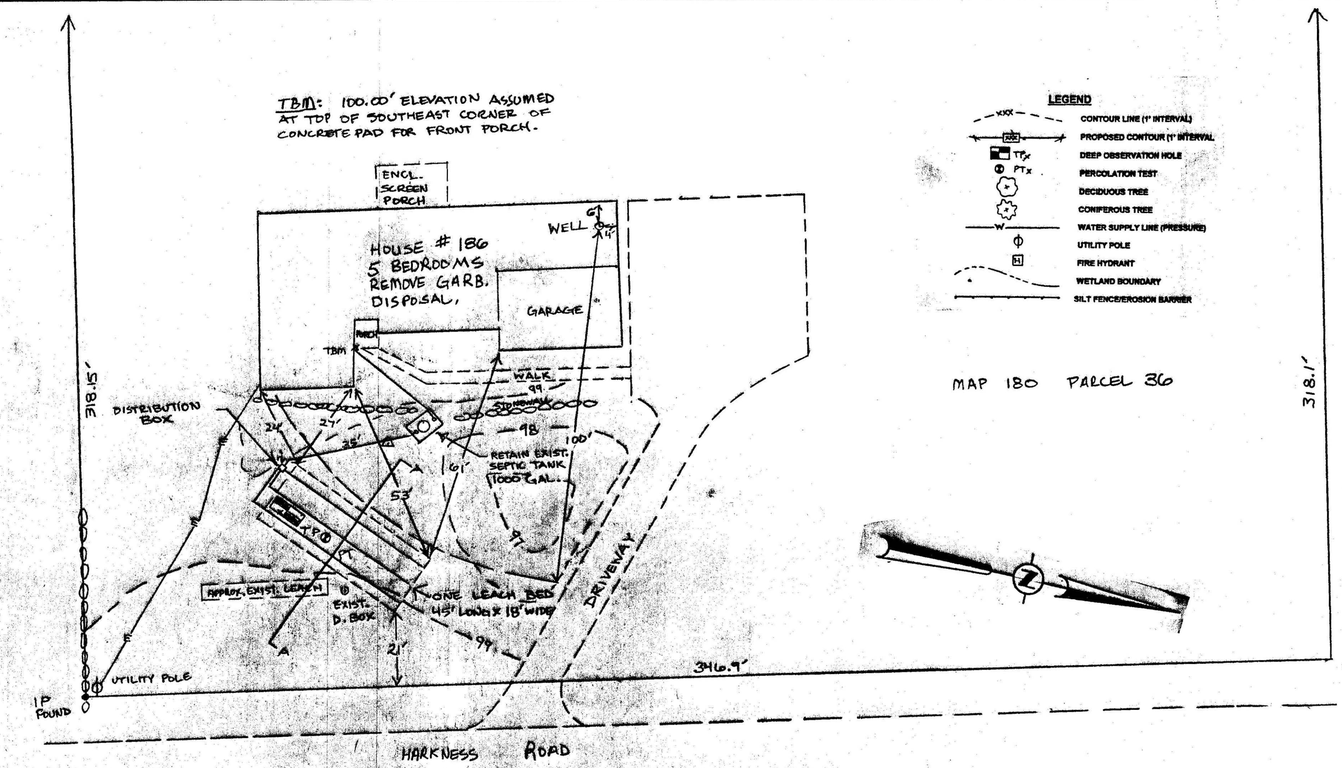
CHECK OR FILL IN WHERE APPLICABLE

Note: See Art. XI of state Sanitary Code for specifications for seepage pit.



SKETCH SHOWING
SANITARY DISPOSAL
For
CHESTER MILESZKO
Amherst MA.

Note: Dimensions shown are minimum

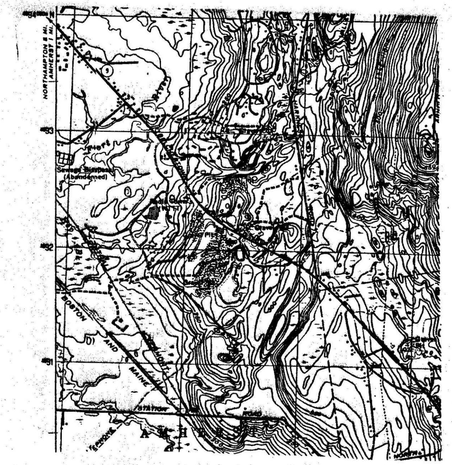


PLANVIEW
SCALE: 1" = 20'

LEGEND

- CONTOUR LINE (1' INTERVAL)
- PROPOSED CONTOUR (1' INTERVAL)
- DEEP OBSERVATION HOLE
- PERCOLATION TEST
- DECIDUOUS TREE
- CONIFEROUS TREE
- WATER SUPPLY LINE (PRESSURE)
- UTILITY POLE
- FIRE HYDRANT
- WETLAND BOUNDARY
- SILT FENCE/EROSION BARRIER

MAP 180 PARCEL 36



PROJECT LOCATION

LOCUS PLAN

USGS BELCHERTOWN, MA QUAD
SCALE = 1: 25 000

SOIL INVESTIGATION

Test Pit EL 98.50'
Estimated Seasonal High Ground Water EL 89.50'
Bedrock EL > 89.50'
Class 1 soils.

Water supply wells within 200 feet and wetland resource areas within 100 feet of the proposed soil absorption system are as shown on the planview. Deep observation hole log and percolation test results are in attached Soil Suitability Report. Soil Investigation and percolation testing by Robert Stover, Certified Soil Evaluator, and witnessed for the Board of Health by David Zarozinski on August 11, 1999.

DESIGN CRITERIA

Design flow is for a 5 bedroom house without a garbage grinder.
Retain septic tank: 1000 gallons. (Garbage grinder to be removed.)

DESIGN CALCULATION

Required Flow: 110 gpd per bedroom.
Total required flow = 550 gpd.

Effluent Loading Rate: Percolation Rate = < 2 minutes per inch.
Class 1 soils.
Effluent Loading Rate = 0.74 gpd/sf.

Proposed soil absorption system: one leach bed 45' long by 18' wide

Bottom Area: 45' x 18' = 810 sf
Sidewall Area: not allowed = 0 sf
Total Leaching Area: = 810 sf

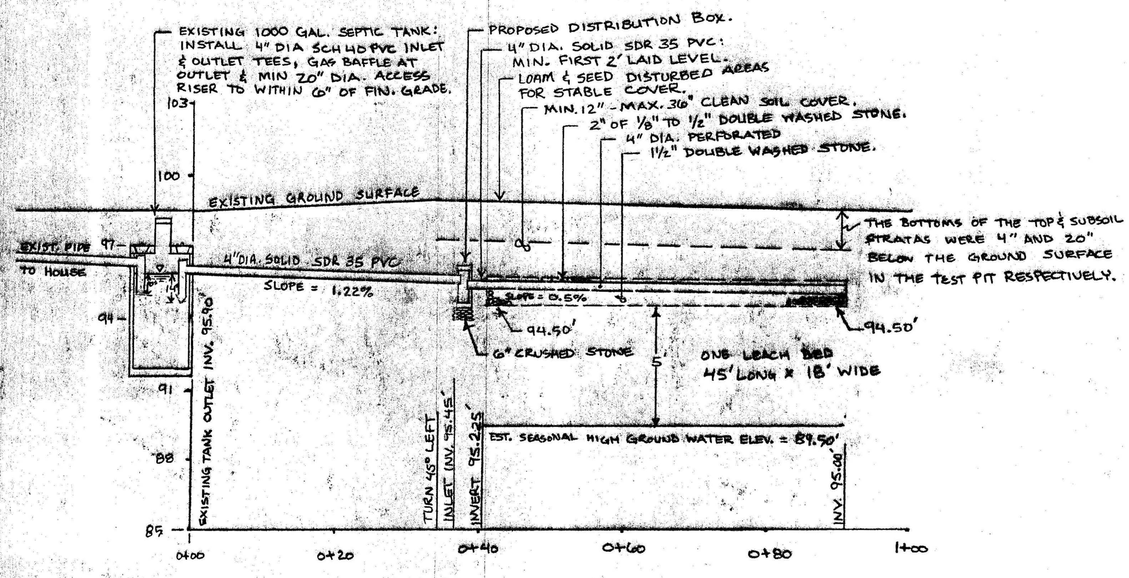
810 sf x 0.74 gpd/sf = 599 gpd
Total Required Capacity = 550 gpd (o'k)

GENERAL CONDITIONS

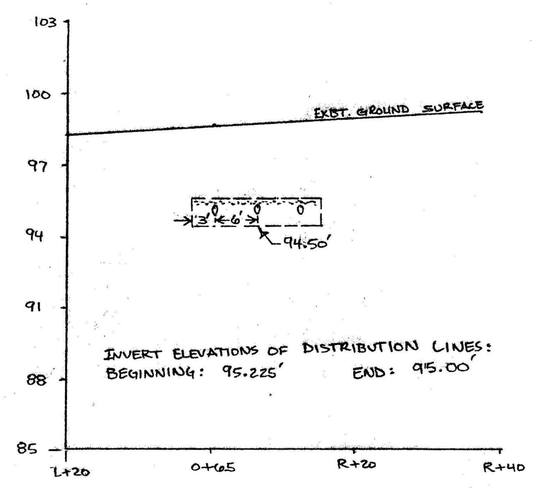
1. This system repair plan is prepared in accordance with Title 5, 310 CMR 15.00. Construction shall conform to these regulations.
2. The installer shall notify the designer of any unusual conditions and shall not modify the plan without the written consent of the designer.
3. All debris in the site area shall be removed and disposed of in accordance with the law.
4. There is no guarantee expressed or implied to any user of a system installed pursuant to this plan.
5. The installer shall notify the designer when the system excavation is ready for inspection and the designer and the Board of Health when the system installation is complete and prior to placement of the cover material for final inspection. Notification shall be 48 hours prior to the time of inspection.
6. The on-site sewage disposal system shall be pumped and inspected as necessary and at least once every 3 years.

CONSTRUCTION NOTES

1. Any topsoil, subsoil, stumps, stones, debris or other impervious materials encountered during excavation shall be removed from the area of the leaching trenches, from five feet around the trenches and from wherever fill is to be placed. Any fill placed in or adjacent to the trenches shall be a clean granular sand & conform to the specifications of Title 5, 310 CMR 15.255(3).
2. The finished grade above the soil absorption system shall have a minimum two percent slope to shed surface runoff away from the system.
3. Disturbed areas shall be loamed, seeded and mulched until stable vegetation is established.
4. The pipes exiting the distribution box shall have the same invert elevation and shall be level for a minimum of the first two feet.
5. Any part of existing soil absorption system encountered during excavation shall be disposed of in accordance with the requirements of the Board of Health.



PROFILE OF SYSTEM
SCALE: H: 1" = 10' V: 1" = 3'



SECTION AT "A – A": LEACH BED
SCALE: H: 1" = 10' V: 1" = 3'

Commonwealth of Massachusetts
Richard E. Costa
Civil
No. 37449
REGISTERED PROFESSIONAL ENGINEER
9/8/00

SEWAGE DISPOSAL SYSTEM REPAIR PLAN
186 HARKNESS RD., AMHERST, MA

CHESTER J. MILESZKO
186 HARKNESS RD., AMHERST, MA 01002

SCALE: AS SHOWN	APPROVED BY	DRAWN BY
DATE: 3/7/2000		

AMHERST CIVIL ENGINEERING
RICHARD COSTA, P.E. / ROBERT STOVER
P.O. BOX 3312, AMHERST, MA 01004-3312
(413)256-3400

DRAWING NUMBER

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