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R16-5

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
# Listing of Tables and Figures

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1.1 Background

In October 1985 Lycott Environmental Research, Inc. completed a diagnostic/feasibility study for Metacomet and Arcadia Lakes in Belchertown, Massachusetts. The study was initiated because the lakes, primary recreational resources, were experiencing a general decline. The study identified individual septic systems as the primary source of lake nutrients contributing to the proliferation of nuisance aquatic weeds. A recommendation of the study called for the establishment of municipal watershed management practices, stressing the importance of a septic system inspection/maintenance program. This project follows through with the report's recommendation.

1.2 Objective

The objective of this program is to compile data on all lots within 300 feet of Lake Arcadia and Metacomet Lake. Additionally, all lots contiguous to Lake Holland have been reviewed in this program. These data provide for an assessment of existing on-site wastewater disposal facilities and thus for developing appropriate alternate strategies for failing systems.

1.3 Project Tasks

1.3.1 Inspection Program

This septic system management project began in 1987 with a kick-off public meeting on November 19. Between November of the same year and August, 1988, a lot-by-lot inspection was conducted on lots within a 300-foot reporting zone of Metacomet Lake, Arcadia Lake, and lots contiguous to Lake Holland.

The following efforts were made to contact all lot owners or residents within 300 feet of the lakes' shorelines (see Figure 1). Town tax records were searched to find the names and addresses of lot owners.
Telephone numbers for Massachusetts owners were sought through telephone directories, and attempts were made to contact each of these individuals. During the same period, letters were sent to out-of-state owners and eventually to every owner who was not reached by telephone. Later, two additional mailings were made to all identified owners who had not been responsive to previous contact attempts. Copies of these letters may be found in Appendix A.

There are 198 lots (tax parcels) within the reporting zones. Of these, 144 have on-site disposal systems. The remaining 54 lots either are undeveloped, have development prohibited by physical or regulatory restriction, or have septic systems outside the reporting zone. Those lots having on-site disposal systems are identified on the Zone Map (Figure 1) by a circle around the parcel number. Appendix E contains tables which index the Zone Map by street address and numerically by lot number.

1.3.2 Data Collection

a. General

Data on 119 developed lots within the reporting zone was collected and reported on a multi-page form developed specifically for this project. A copy of the report form is included in Appendix A. Copies of the completed report forms may be found in Appendix F.

Of the remaining 25 developed lots, 19 owners could not be located, and 6 owners refused to participate in the survey.

b. Report Form Completion

1. Name, address and telephone number of owner and current occupant was first obtained from Town records and in most cases verified through contact with the owner or their representative.
FIGURE 1
ZONE MAP
2. Sketch plans of the lot showing structures, septic system and well were based on field surveys. Where wells, septic tanks and leaching fields were not visible, their locations were shown as recalled by the owner or as shown on Town records.

3. Size, type and capacity of the septic system was determined from Health Department records or information supplied by the owner.

4. Number of bedrooms, bathrooms, types of appliances and number of occupants per household was supplied by owner or occupant as was information on seasonal or year-round residency.

5. Maintenance information pertaining to septic tank inspection, cleaning and past or present problems was supplied by the owner or occupant. In some cases, existing problems were evident during the inspections.

Complete names, addresses and telephone numbers of referenced septic tank contractors are listed in Table 1.

6. Well location, type and approximate intake depth was obtained by field observation where visible or detectable. Otherwise, Town records or owner recollection was relied upon.

7. Information pertaining to basement or foundation type, sewer depth below sill and horizontal location of exit point at exterior wall was obtained by field observation. In slab and crawl space construction, owner supplied information on sewer location was relied on.

8. Separate greywater disposal systems were reported by the owners and are shown on the lot sketches. These systems generally consist of leaching pits.
<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Claude Latour</td>
<td>56 Gold Street, Belchertown</td>
<td>323-4569</td>
</tr>
<tr>
<td>Tetrault Septic Tank Inc.</td>
<td>252 West Street, Ludlow</td>
<td>583-2138</td>
</tr>
<tr>
<td>Ray's Excavating</td>
<td>13 Rattlesnake Gutter Road, Leverett</td>
<td>548-9300</td>
</tr>
<tr>
<td>Hayward Construction, Inc.</td>
<td>89 Sargeant Street, Belchertown</td>
<td>323-4860</td>
</tr>
<tr>
<td>Karl's Excavating</td>
<td>327 River Drive, Hadley</td>
<td>549-5396</td>
</tr>
<tr>
<td>Steve Rock</td>
<td>Bay Road, Belchertown</td>
<td>-------</td>
</tr>
<tr>
<td>Blanchard Septic Tanks, Inc.</td>
<td>9 Scantic Road, Hampden</td>
<td>566-8026</td>
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</table>
No subsurface disposal systems for roof or area drains were found or reported by the owners.

9. Bench marks were established and each lake elevation was monitored. The results are shown in Table 2 and on the individual lot report forms. All elevations are USGS datum.

Elevations at the following locations on each lot were measured in the field and shown on the individual lot report forms:

Building sill at sewer exit point.
Cellar floor.
Ground over existing septic tank.
Ground over existing leaching field.
Ground over potential replacement area.

C. Substratum Information

Attempts were made to install observation wells at eight locations in the lakes area. However, due to relatively shallow refusal or apparent dry boreholes, only three 1-1/2" PVC observation wells were installed (MW-8, MW-7 and MW-5). Locations of these three successful wells together with five additional attempted wells (AH-1A, AH-1, AH-2A, AH-2 and AH-3) and test pits witnessed by the Board of Health for the installation of subsurface sewage disposal are shown on Figure 2.

These logs are included to provide information relating to soils, depth to bedrock, and groundwater elevations. The Board of Health reports rapid percolation rates on tests done in the lakes area. All logs reflect sandy, gravelly soils exhibiting increased density with depth. These porous textures may allow wastewater effluent to rapidly pass untreated through the soils and contaminate groundwater.
FIGURE 2
MAP IDENTIFYING KNOWN GROUNDWATER ELEVATIONS AND ASSOCIATED SURFICIAL SOILS

LEGEND

A.H.—AUGER HOLE
D.W.—DEEP WELL
TEST PIT
AREA OF TEST PIT CLUSTER
M.W.—MONITORING WELL

CLEAN LAKES STUDY
TOWN OF BELCHERTOWN, MA.
ALMER HUNTLEY JR. & ASSOC. INC.
30 INDUSTRIAL DRIVE EAST
NORTHAMPTON, MA.

FIGURE 2
Table 2 contains information on groundwater and lake levels. The water level in monitoring wells MW-5, MW-7 and MW-8 was not significantly different from the level of Metacomet Lake, thus there is no pronounced groundwater movement away from the lake to the south. This is also reflected in the relatively flat marshy areas south of the lakes and Bay Road. Since there does not appear to be any pronounced groundwater movement away from the lakes, it is assumed that a significant portion of the septic tank effluent from leaching systems within 100 feet of the lakes' shores ends up in the lakes.

1.4 Recommended Alternatives for Failing Septic Systems

1.4.1 General

Included in Appendix C are conceptual sewage system repair plans which show recommended alternatives for failing septic systems in the reporting zones. Each plan lists design constraints under which a design is proposed. Constraints such as high groundwater, small lot areas, the close proximity to wetlands, and well locations which are less than 100' away from disposal sites are general problems throughout most of the lots inspected.

1.4.2 Recommended Alternatives

Detailed reports were prepared for each lot inspected. These are contained in Appendix F. Based on these reports and information obtained from the Town's Board of Health and other information collected as part of this study, each lot has been assigned a recommended alternative which would best suit site conditions. The recommended numbered alternative has been placed in the upper right-hand corner of the first page of each lot report (Appendix F).
## TABLE 2
LAKE AND GROUNDWATER LEVELS

### LANDFILL MONITORING WELLS

<table>
<thead>
<tr>
<th>WELL</th>
<th>JUNE 1986</th>
<th>DECEMBER 1986</th>
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<tbody>
<tr>
<td>DW-1</td>
<td>302.9</td>
<td>302.6</td>
</tr>
<tr>
<td>DW-2</td>
<td>303.4</td>
<td>303.1</td>
</tr>
<tr>
<td>DW-3</td>
<td>303.3</td>
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</table>

### CLEAN LAKES MONITORING WELLS

<table>
<thead>
<tr>
<th>WELL</th>
<th>APRIL 1988</th>
<th>SEPTEMBER 1988</th>
</tr>
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<tbody>
<tr>
<td>MW-5</td>
<td>306.26</td>
<td>305.26</td>
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<tr>
<td>MW-7</td>
<td>306.13</td>
<td>303.90</td>
</tr>
<tr>
<td>MW-8</td>
<td>306.60</td>
<td>304.31</td>
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### LAKE ELEVATIONS

<table>
<thead>
<tr>
<th>LAKE</th>
<th>JULY 1988</th>
<th>DECEMBER 1987</th>
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<tbody>
<tr>
<td>HOLLAND</td>
<td>---</td>
<td>314.20</td>
</tr>
<tr>
<td>ARCADIA</td>
<td>313.88</td>
<td>314.24</td>
</tr>
<tr>
<td>METACOMET</td>
<td>305.78</td>
<td>306.48</td>
</tr>
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</table>
In some cases the recommended alternative is a tight tank. The basis for this recommendation is the density of wells and septic systems within a limited area and/or disposal system sites with high groundwater tables or ledge.

1.4.3 Limitations of Conceptual Sewage System Repair Plans

These recommendations are preliminary only. The owners' houses with failing septic systems will be required to hire a professional engineer or sanitarian to do a thorough site evaluation to determine the type, size and location of the required system repair or replacement. Plans and applications for the installation will have to be prepared and submitted for the Board of Health's review. Variance requests to the Town's and State's minimum requirements will be required in many cases. Conservation Commission filings and approvals will also be required prior to the start of many of the repair or replacement projects.

The lot owners and the Town's Board of Health are hereby notified that these recommended alternative drawings are preliminary and general in nature. Under no circumstances are these drawings to be used as a completed system design or to be construed as giving approval to that plan's design for any particular lot.

1.4.4 Guide to Soaps, Detergents and Cleaners

Included as Appendix D is a guide to soaps, detergents and cleaners with low phosphate content. The lower the phosphate level, the less the product is likely to negatively impact the lakes. This information has been taken from the Lake Cochituate Watershed Association, under contract with the Massachusetts Department of Environmental Quality Engineering utilizing funds provided by a grant from the U.S. Environmental Protection Agency, authorized under Section 314 of the Federal Water Pollution Control Act Amendments of 1972.
1.5 Summary

There are obvious wastewater disposal problems associated with past uncontrolled development around Lakes Metacomet, Arcadia and Holland. These problems are the result of dense development and substandard wastewater disposal systems. If the groundwater table within 100 feet of the lakes' shores is assumed to be at lake level, 23 percent of all surveyed systems within 100 feet of the lakes are installed in or very near the groundwater table. The systems so identified have a ground elevation in the vicinity of the septic system that is four feet or less above the adjacent lake level. These systems are further identified on the inventory report forms by a box containing the statement, "SEPTIC SYSTEM MAY BE NEAR GROUNDWATER TABLE." Effluent from these substandard systems is poorly treated and makes its way into the lakes. This is not to say that effluent from other systems does not also make its way to the lakes, either overland, by direct discharge, or along with groundwater recharge.

The Poole Road section of Metacomet Lake is the most densely populated area and contributes concentrated contamination sewage into the lake. Most of the lots in this area are very small, not allowing sufficient separation distances between their own or neighbor's wells and septic systems. This situation would be eased if Poole Road was serviced by a municipal water supply which would negate the need for the separation distances between wells and septic systems. When it came time to repair these systems, some of them could then be moved to areas of higher elevation, increasing the separation between the leaching facility and the groundwater as well as the lake.

Three monitoring wells were installed to the south of Lake Metacomet. Attempts were made to install several wells to the west of Arcadia Lake and one attempt to the south of it, all of which were unsuccessful. It is suggested that additional attempts be made to install monitoring wells to the north of Lake Holland and another somewhere in between Arcadia and Metacomet Lakes. These wells, along with the present wells, should be monitored throughout the year to develop a picture, both seasonally and annually, of
local groundwater fluctuations. These groundwater elevations could be used for installing future replacement systems above the groundwater table. Presently, many of the septic systems are sitting in the water table. This is the crux of the eutrophication problem the lakes are experiencing. Lycott Environmental Research, Inc. (1985) found that the septic systems in the lakes were leaching phosphorus into the lakes, which is the principle nutrient required for the growth of aquatic weeds. Using low or no phosphate detergents will reduce the amount of phosphorous. Since it is likely that phosphorus is leaching from septic systems into the lakes, it is also safe to assume that other compounds are entering the lakes.

There are short-term and long-term remedial activities which can be undertaken and which may lead to eventual improvement of the lakes.

1. Repair or replace substandard septic systems. This will be most beneficial for those lots which have suitable higher ground available away from the lakes. For small lots with no suitable ground, a tight tank should be installed. These are short-term measures.

2. Install a public water system. This would allow wells to be abandoned and thus provide greater flexibility for locating replacement septic facilities on those lots which have suitable ground. This is a further refinement of item 1, not a solution. A note of caution: public water systems may lead to increased water usage, thereby aggravating the problem.

3. Purchase those lots around the lakes with substandard septic systems and for which there is no possibility of providing a standard replacement or repair. Lots thus purchased could be retained as public property or resold with development restrictions to adjoining parcels. This process could gradually lead to a long-term solution as lots are purchased and discharges are eliminated. However, it would ultimately require acquisition of all questionable lots.
4. The best long-term solution from a technical standpoint would be the installation of a sewer system.

The long-term solutions (3 and 4) are also the most expensive, and in the case of lot acquisition, politically sensitive if owners are unwilling to sell and condemnation procedures become necessary.

For the present, it is imperative that the septic systems in the area are maintained regularly, and low or preferably no phosphate detergents are used. Hazardous materials must not be disposed of by flushing through household plumbing or dumping on the ground, and chemical treatment of lawns should be curtailed.

Whatever is done to protect and restore the lakes must be a cooperative effort involving all of the lake property owners. Perhaps an organization similar to a sewer district could be formed to regulate activities around the lakes and provide a vehicle for obtaining a sewer system and acquiring and holding land.
1. Findings DEQE-funded Diagnostic/Feasibility Study (Summer 1985):

   A. Initial House-to-House/Mail Response Septic Survey:
   
   - 80 residences within 300 feet of shoreline with 1/4 acre or less lot size
   - Continuing trend toward seasonal-to-year round occupancy
   - 29 residences with less than 100 feet minimum separation between their well and leaching area
   - 15 residences with systems reported less than 50 feet to lake shore
   - 1/3 respondents reported substantial system repair or replacement in past 20 years and indicated recurrent sewage system problems in their neighborhood
   - Large majority indicated need for municipal sewer extension and/or establishment of a septic system inspection/maintenance program

   B. Lake Quality:
   
   - Phosphorus-limited
   - Greater than 60% phosphorus loading from septic systems
   - Fecal bacteria - Arcadia

   C. Options:
   
   - Municipal sewer service extension
   - "Satellite" treatment/disposal
   - Individual system renovation/replacement
   - Septic system management program
December 1987

Dear Homeowner:

As the Town Engineer for the Town of Belchertown, we are conducting a septic system survey of Lakes Metacomet, Arcadia and Holland. As a part of this survey, we are visiting all properties within 300 feet of the lake shoreline to gather information on water usage and wastewater disposal facilities.

We would like to schedule an appointment with you or your representative at your earliest convenience. Joe Iannazzi and I are the field representatives who will be conducting the interviews. Please call us at our office (584-7444) to arrange a time to meet at your home.

Thank you for your cooperation.

Very truly yours,

ALMER HUNTLEY, JR. & ASSOCIATES, INC.

Joan Barry

JB:kmc
Dear <d>:

As Town Engineers for the Town of Belchertown, we are conducting a septic system survey of Lakes Metacomet, Arcadia and Holland. As a part of this survey, we are visiting all properties within 300 feet of the lake shoreline to gather information on water usage and existing wastewater disposal facilities.

I would like to schedule an appointment with you or your representative at your Belchertown property. If you have any records pertaining to your septic system at this property, please have them available for the interview. If it is impossible for you to arrange a personal interview, we request permission to enter the premises as agents of the Town to gather the necessary data to complete our study. We would appreciate it if you would mail any paperwork you may have if you are unable to meet with us.

We will attempt to call you as a follow-up of this letter, but please do not hesitate to call either Joe Iannazzi or me if you have any questions. Thank you for your cooperation.

Very truly yours,

ALMER HUNTLEY, JR. & ASSOCIATES, INC.

Joan Barry

JB:kmc
July 21, 1988

Dear <n>:

Almer Huntley, Jr. & Associates, Inc., engineers for the Town of Belchertown, are presently completing a survey of homes on or adjacent to the three lakes. We are gathering information about the wells and septic systems for each home.

We would appreciate it if you would arrange for a representative to be available to meet with the engineers on the premises for fifteen minutes before the end of August. If this is not possible, please respond in writing or call our office (1-800-227-7723 in MA, or 413-584-7444). It would also be of great assistance if you could bring with you or forward in the mail any information or copies of drawings concerning the septic system on your land.

Please do not hesitate to call if you have any questions. Thank you for your cooperation.

Very truly yours,

ALMER HUNTLEY, JR. & ASSOCIATES, INC.

Joan Barry

JB:kmc
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: ___________________________ Inspector(s): ___________________________
Assessors' Map: ___________________ Lot No.: ___________________________
Address: _______________________________________________________________
Owner's Name: _____________________ Telephone No.: _______________________
Address: _______________________________________________________________
Occupant's Name: ___________________ (if different from above)
Lot Size: __________________________ Water Frontage (ft.): __________________

Residency: ___ year-round    ___ seasonal (if seasonal, estimate number of weeks per year): ______________________
No. of Occupants: _______    Age of system (yrs.): ______________________
No. of Total Rooms: _______    No. of Bedrooms: ____    No. of Bathrooms: ____

Appliances/Connections:    ____ dishwasher    ____ dehumidifier
                           ____ washing machine    ____ sump pump
                           ____ garbage disposal    ____ roof or pavement drains
                           ____ other: ______________________

Basement/foundation type:
                           ____ brick or concrete block    ____ poured concrete floor
                           ____ dry masonry stone wall    ____ concrete slab on grade
                           ____ poured concrete wall    ____ piers or pilings

Well type:    ____ dug well    ____ lake
               ____ driven point    ____ spring or cistern
               ____ drilled rock well    ____ other: ______________________

Depth to well intake from surface (ft.): ______

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
subdrainage

Comments on apparent problems:

Date of last septic tank/cesspool pumping:
Firm who pumps system:

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone
  to:  lake shore  vegetated wetland  brook or stream  other

Levels:

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M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
SUBJECT: Tight Tank Policy
Sanitary Sewage — Department of Environmental Quality
Engineering

DATE: February 24, 1977

Effective immediately, the tight tank policy on Page 7 of the Manual of Procedure for subsurface sanitary sewage disposal is rescinded and the following policy will be in effect:

TIGHT TANK POLICY

1. Existing Situation - A tight tank may be approved under Regulation 18.1 of Title 5 of the State Environmental Code to eliminate an existing malfunctioning subsurface sanitary sewage disposal system, when in the opinion of the Regional Engineer having jurisdiction over subsurface sewage disposal, there is no other feasible alternative. Evidence must accompany application for approval showing proof of "no feasible alternative." Reasonable variances from the Code must be carefully considered prior to approval of any tight tank. The following design criteria will be used:

2. Design Criteria

   a. Size - 500% of the average daily flow, but in no case less than 2,000 gallons.

   b. Plans - Plans must be submitted by a Registered Professional Engineer for approval.

   c. Alarms - Bell and light at three-fifths capacity in suitable, convenient location. Transmission of the alarm signal to a locus manned 24 hours per day may be required.

   d. Pumping - The application for approval must indicate the method and frequency of removal of the contents.

   e. Disposal of Contents - The specific location and method of disposal of the contents must be indicated and be in a proper manner at a location approved by agencies having jurisdiction.

   f. Accessibility - All tight tanks must have at least one 24-inch diameter cast iron frame and cover at finished grade constructed so as to eliminate entrance of surface waters. Permanent suction piping may also be required.

   g. Location - The tank shall be located so as to provide year-round access for pumping.

   h. Permit - A permit to install the tank must be obtained from the local Board of Health under Title 5 of the State Environmental Code (or in accordance with the provisions of any successor code, law or regulations).
AGREEMENT TO SERVICE TIGHT TANK

I, ___________________________ of ___________________________ (company/individual) (address)

________________________________ agree to pump the tight tank on property of

________________________________ located at ___________________________ (name) (address)

Belchertown, Massachusetts on a regular basis. The disposal site will be the

________________________________ Wastewater Treatment Plant at

________________________, Massachusetts. I can be reached at telephone number

________________________.

Signed: ___________________________

Date: ___________________________
December 1987

Dear Homeowner:

As the Town Engineer for the Town of Belchertown, we are conducting a septic system survey of Lakes Metacomet, Arcadia and Holland. As a part of this survey, we are visiting all properties within 300 feet of the lake shoreline to gather information on water usage and wastewater disposal facilities.

We would like to schedule an appointment with you or your representative at your earliest convenience. Joe Iannazzi and I are the field representatives who will be conducting the interviews. Please call us at our office (584-7444) to arrange a time to meet at your home.

Thank you for your cooperation.

Very truly yours,

ALMER HUNTLEY, JR. & ASSOCIATES, INC.

Joan Barry

JB:kmc
RE: <re>

Dear <d>:

As Town Engineers for the Town of Belchertown, we are conducting a septic system survey of Lakes Metacomet, Arcadia and Holland. As a part of this survey, we are visiting all properties within 300 feet of the lake shoreline to gather information on water usage and existing wastewater disposal facilities.

I would like to schedule an appointment with you or your representative at your Belchertown property. If you have any records pertaining to your septic system at this property, please have them available for the interview. If it is impossible for you to arrange a personal interview, we request permission to enter the premises as agents of the Town to gather the necessary data to complete our study. We would appreciate it if you would mail any paperwork you may have if you are unable to meet with us.

We will attempt to call you as a follow-up of this letter, but please do not hesitate to call either Joe Iannazzi or me if you have any questions. Thank you for your cooperation.

Very truly yours,

ALMER HUNTY, JR. & ASSOCIATES, INC.

Joan Barry

JB:kmc
July 21, 1988

Dear [Name]:

Almer Huntley, Jr. & Associates, Inc., engineers for the Town of Belchertown, are presently completing a survey of homes on or adjacent to the three lakes. We are gathering information about the wells and septic systems for each home.

We would appreciate it if you would arrange for a representative to be available to meet with the engineers on the premises for fifteen minutes before the end of August. If this is not possible, please respond in writing or call our office (1-800-227-7723 in MA, or 413-584-7444). It would also be of great assistance if you could bring with you or forward in the mail any information or copies of drawings concerning the septic system on your land.

Please do not hesitate to call if you have any questions. Thank you for your cooperation.

Very truly yours,

ALMER HUNTLEY, JR. & ASSOCIATES, INC.

Joan Barry

JB:kmc
Date: _____________________________ Inspector(s): ___________________________
Assessors' Map: ___________________ Lot No.: ________________________________
Address: _____________________________________________________________________
Owner's Name: _____________________ Telephone No.: __________________________
Address: _____________________________________________________________________
Occupant's Name: ___________________ (if different from above)
Lot Size: ___________________________ Water Frontage (ft.): _____________________

Residency: _____ year-round _____ seasonal (if seasonal, estimate number of weeks per year): ___________________________

No. of Occupants: _______ No. of Total Rooms: _____ No. of Bedrooms: _____ No. of Bathrooms: _____

Appliances/Connections: _____ dishwasher _____ dehumidifier
_____ washing machine _____ sump pump
_____ garbage disposal _____ roof or pavement drains
_____ other: __________________________

Basement/foundation type:
_____ brick or concrete block _____ poured concrete floor
_____ dry masonry stone wall _____ concrete slab on grade
_____ poured concrete wall _____ piers or pilings

Well type:
_____ dug well _____ lake
_____ driven point _____ spring or cistern
_____ drilled rock well _____ other: _______________________

Depth to well intake from surface (ft.): ______

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems:

Date of last septic tank/cesspool pumping:

Firm who pumps system:

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone
to: lake shore

---

Levels:

+ HI - Elev.

BM:

---

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
SUBJECT: Tight Tank Policy  
Sanitary Sewage — Department of Environmental Quality  
DATE: February 24, 1977

Effective immediately, the tight tank policy on Page 7 of the Manual of Procedure for subsurface sanitary sewage disposal is rescinded and the following policy will be in effect:

TIGHT TANK POLICY

1. Existing Situation — A tight tank may be approved under Regulation 18.1 of Title 5 of the State Environmental Code to eliminate an existing malfunctioning subsurface sanitary sewage disposal system, when in the opinion of the Regional Engineer having jurisdiction over subsurface sewage disposal, there is no other feasible alternative. Evidence must accompany application for approval showing proof of "no feasible alternative." Reasonable variances from the Code must be carefully considered prior to approval of any tight tank. The following design criteria will be used:

2. Design Criteria

a. Size — 500% of the average daily flow, but in no case less than 2,000 gallons.

b. Plans — Plans must be submitted by a Registered Professional Engineer for approval.

c. Alarms — Bell and light at three-fifths capacity in suitable, convenient location. Transmission of the alarm signal to a locus manned 24 hours per day may be required.

d. Pumping — The application for approval must indicate the method and frequency of removal of the contents.

e. Disposal of Contents — The specific location and method of disposal of the contents must be indicated and be in a proper manner at a location approved by agencies having jurisdiction.

f. Accessibility — All tight tanks must have at least one 24-inch diameter cast iron frame and cover at finished grade constructed so as to eliminate entrance of surface waters. Permanent suction piping may also be required.

g. Location — The tank shall be located so as to provide year-round access for pumping.

h. Permit — A permit to install the tank must be obtained from the local Board of Health under Title 5 of the State Environmental Code (or in accordance with the provisions of any successor code, law or regulations).
AGREEMENT TO SERVICE TIGHT TANK

I, ___________________________ of ___________________________

(company/individual) (address)

____________________________ agree to pump the tight tank on property of

 __________________________ located at __________________________

(name) (address)

Belchertown, Massachusetts on a regular basis. The disposal site will be the

 __________________________ Wastewater Treatment Plant at

 __________________________, Massachusetts. I can be reached at telephone number

 __________________________.

Signed: __________________________

Date: __________________________
April 10, 1978

TO: All Boards of Health

RE: Subsurface Sewage Disposal
Proposed Variance of Title 5
State Environmental Code

Gentlemen:

The Department of Environmental Quality Engineering calls your attention to Regulations 20, 21, and 25 of Title 5 of the State Environmental code concerning the granting of variances by your Board of Health. Listed below is the procedure which must be entirely followed in order that a valid variance may be issued:

1. The applicant requests in writing a variance of a specific regulation of Title 5.

2. The applicant notifies all abutters by certified mail at least 10 days before the Board of Health meeting at which the variance request will be on the agenda.

3. The Board of Health shall grant or deny the variance. The decision shall be in writing.

4. If the variance is granted, it is conspicuously posted for 30 days and shall be available to the public at all reasonable hours while it is in effect.

5. Notice of the grant of each variance shall be filed with the Department of Environmental Quality Engineering by the Board of Health. The notice shall state the variance granted and the date issued.

6. The Department of Environmental Quality Engineering shall, within thirty days of receipt of the notice, approve, disapprove, or modify the variance. If the Department fails to comment within thirty days, approval shall be presumed.

7. No work shall be done under any variance until the Department approves it or until thirty days have elapsed without the Department's comment unless the Board of Health or the Department certifies in writing that an emergency exists.
NOTICE TO BOARDS OF HEALTH

Change in Filing Requirements for a Variance
Under 310 CMR 15.00

Dear Board Members:

In order to expedite the review of subsurface sewage disposal plans, all Title 5 submittals to this office must be accompanied by a completed Wetland's Determination of Applicability form. This document must be signed by the chairman of the local conservation commission, and must contain the determination. Review of any plan submitted after August 20, 1986 will not proceed without this information.

Should you have any questions regarding this matter, feel free to contact the undersigned.

Very truly yours,

Roland J. Dupuis, P.E.
Deputy Regional Environmental Engineer
Water Programs

RJD/TMcE/trc
mtm:Title5-General
cc: Conservation Commission
TITLE 5 OVERVIEW

In 1937, Massachusetts General Law (M.G.L.) Chapter 111, Section 17 was adopted. This regulation required the Massachusetts Department of Public Health to advise local boards of health on issues concerning water, drainage, and sewage. In 1962, the Department of Public Health proclaimed that the Department of Environmental Quality Engineering had control of individual subsurface sewage disposal systems through Article XI of the State Sanitary Code. In 1977, the Department of Environmental Quality Engineering replaced Article XI with Title 5: Minimum Requirements for the Subsurface Disposal of Sanitary Sewage. This was revised in 1978 to its present-day form (310 CMR 15.00). Under 310 CMR 11.00, the local boards of health may develop more stringent regulations, as Belchertown has done, in addition to those stated in Title 5 if they are designed to protect the health of the locality under its jurisdiction.

The reasons for the development of Title 5 were to provide minimum standards for the protection of public and environmental health. Sanitary sewage disposal protects the public health by reducing the spread of water-borne diseases such as Hepatitis A, bacillary dysentery, giardiasis, cholera and typhoid fever. Improperly treated sewage has been responsible for contaminating water supplies, rendering them unsuitable for drinking.

A brief summary of some relevant aspects of Title 5 are discussed below.

Site Examination

It is required that the board of health and the system designer examine the lot in question. This offers an opportunity to look at the size, shape and slope of the lot to see if there is sufficient area for a disposal system and a reserve area of at least equal capacity to be utilized if/when the system fails, and to see if required setbacks are met (310 CMR 15.00 [7]). Also, no construction can proceed within 100 feet of a bordering vegetated wetland without notification of the conservation commission.
Deep Observation Holes

Test pits are dug to examine soil characteristics, groundwater elevation, and depth to bedrock or impervious soils in the area where the leaching system is proposed to be installed. Title 5 requires at least two ten-foot deep observation pits unless rock or hardpan prevents digging this deep. The groundwater elevation observed in these test pits should be determined when groundwater is at its maximum elevation, which is usually between December and April. Oxide staining is often observed in the soil profile and is an indication of a seasonally high groundwater table.

Four-Foot Separation

Title 5 requires that a subsurface sewage disposal system must be located in an area where there is a minimum of four feet of separation from any groundwater, oxides, ledge, or impermeable strata and the bottom of the leaching facility. The four-foot strata below the leaching facility must be made up of a naturally occurring pervious soil having a minimum percolation rate of 30 minutes per inch.

Percolation Test

A percolation test measures the rate at which water moves through the soil and may be performed at any time of the year. At least one test per leaching area is required. The reserve area requires a separate test. If soil characteristics vary with depth, the board of health agent may require multiple tests.

Separation Distances

Title 5 lists the minimum acceptable separation distances between septic tanks and leaching facilities and various lot features. The Belchertown Board of Health, Conservation Commission and Zoning Board have exercised their authority to increase these minimum distances.
15.02

(17) **Construction in Fill.** Where an individual disposal system is to be constructed wholly or partially in fill, the fill shall be properly placed and compacted to minimize settlement or it shall be allowed to settle for a minimum of 12 months whichever occurs first. The fill material shall be clean coarse washed sand or other clean granular material essentially free from clay, fines, dust, organic matter, large stones, masonry, stumps, frozen clumps of earth, wood, tree branches, and waste construction material, and shall have a percolation rate of less than 2 minutes per inch before and after placement. Before the fill is put in place, all trees, brush, and stumps shall be removed from the area to be filled. Topsoil, peat, and other impervious materials shall be removed from all areas beneath the leaching facility and for a distance of 25 feet in all directions therefrom when the leaching facility is above natural ground elevation; or impervious materials shall be removed for 10 feet in all directions therefrom when the leaching facility is below natural ground elevation. No sewage disposal system shall be constructed in fill placed upon impervious material unless the requirements of 310 CMR 15.03(6) have been met.
APPENDIX B

BORING LOGS
# Ground Water Observations

<table>
<thead>
<tr>
<th>Casing</th>
<th>Sampler</th>
<th>Core Bar</th>
<th>Date Started</th>
<th>Date Compl.</th>
<th>Inspector</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA</td>
<td>SS</td>
<td>BIT</td>
<td>10-21-87</td>
<td>10-21-87</td>
<td>Mark Watkins</td>
</tr>
</tbody>
</table>

## Location of Boring

<table>
<thead>
<tr>
<th>Depth</th>
<th>Casing Blows per foot</th>
<th>Sample Depths</th>
<th>Type of Sample</th>
<th>Blows per 6&quot; on Sampler</th>
<th>Moisture Density or Consist.</th>
<th>Strata</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0'-1.5'</td>
<td>D</td>
<td>2</td>
<td>4</td>
<td>Moist</td>
<td>0.5'</td>
<td>Brown fine medium Sand, some Silt and Gravel.</td>
<td></td>
</tr>
<tr>
<td>5.0'-6.5'</td>
<td>D</td>
<td>11</td>
<td>30</td>
<td>V. Dense</td>
<td>8.0'</td>
<td>Brown medium coarse Sand and Gravel.</td>
<td></td>
</tr>
</tbody>
</table>

## Ground Surface to 8.0'

- Sample Type: D: Dry, C: Cored, W: Washed
- Sample Proportions: D: Dry 0-10%, U: Undisturbed Piston 10-20%, T: Test Pit A: Auger V: Vane Test 20-35%, U: Undisturbed Thinwall 35-50%
- Soil Identification: Cohesionless Density 0-10 Loose, Cohesive Consistency 0-4 Soft, 10-30 Med. Dense, 10-30 Dense, 50+ Very Dense
- Summary: Earth Boring 8.0', Rock Coring, Samples 2

HOLE NO. AH-1
### Ground Water Observations

<table>
<thead>
<tr>
<th>Depth From</th>
<th>Depth To</th>
<th>Type of Sample</th>
<th>Blows per 6&quot; on Sampler</th>
<th>Moisture Density or Consist</th>
<th>Strata Change</th>
<th>Elevation</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.0'-11.5'</td>
<td>11.5'</td>
<td>Dry V/Dense</td>
<td>13</td>
<td>64</td>
<td>75</td>
<td>Move 3.0' North from W-1 Auger to 10.0'</td>
</tr>
<tr>
<td>15.0'-15.9'</td>
<td>15.9'</td>
<td>Dry V/Dense</td>
<td>18</td>
<td>100/4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20.0'-21.5'</td>
<td>21.5'</td>
<td>Dry V/Dense</td>
<td>37</td>
<td>36</td>
<td>55</td>
<td>Brown Red medium-coarse Sand and Gravel, some Cobbles.</td>
</tr>
<tr>
<td>25.0'</td>
<td>25.0'</td>
<td>Dry V/Dense</td>
<td>100/0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Soil Identification

Remarks include color, gradation, type of soil etc. Rock - color, type, condition, hardness, driving time, seams and etc.

- Move 3.0' North from W-1 Auger to 10.0'
- Brown Red medium-coarse Sand and Gravel, some Cobbles.
- Brown Red medium-coarse Sand and Gravel, some Cobbles, some weathered Mica Schist.
- Bottom of boring 25.0'

### Sample

<table>
<thead>
<tr>
<th>No.</th>
<th>Pen Depth</th>
<th>Rec. Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.5'</td>
<td>1.5'</td>
</tr>
<tr>
<td>2</td>
<td>0.9'</td>
<td>0.4'</td>
</tr>
<tr>
<td>3</td>
<td>1.5'</td>
<td>1.5'</td>
</tr>
</tbody>
</table>
**GROUND WATER OBSERVATIONS**

<table>
<thead>
<tr>
<th>Sample Type</th>
<th>Hammer Wt.</th>
<th>Hammer Fall</th>
<th>CASING</th>
<th>SAMPLE CORR BAR.</th>
<th>BORE Samples per 6&quot; on Sampler</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>140 lbs</td>
<td>30&quot;</td>
<td>3/4&quot;</td>
<td>3/8&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SOIL IDENTIFICATION**

- Dark Brown fine-sand, some gravel, trace silt.
- Light Brown fine gravel, trace silt.
- Light Brown Red and gravel, some refusal at 7.5'.
- Medium-coarse sand, cobbles.
- Gravel, trace silt.

**REMARKS**

- Remarks include color, gradation, type of soil, etc. Rock content, type, condition, hardness, consistency, etc.

**GROUND SUMMARY**

- Site D: Dry
- C: Cored
- W: Washed
- U: Undisturbed

- Moisture: Loose
- Density: Dense
- Consistency: Hard

**SOILS ENGINEER: M. Walkins**

**BORING FOREMAN: A. *"**

**DATE STARTED:** 10/24/87

**DATE COMPLETED:** 10/26/87

**HOLE NO.:** A4-2

**OFFSET NO.:** 87-111
### Ground Water Observations

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Blows per 6&quot; on Sampler</th>
<th>Moisture or Consist.</th>
<th>Strata Change Elev.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6</td>
<td>0-12</td>
<td>0.0%</td>
<td>0.0%</td>
<td></td>
</tr>
<tr>
<td>6-12</td>
<td>12-18</td>
<td>0.0%</td>
<td>0.0%</td>
<td></td>
</tr>
<tr>
<td>10.0</td>
<td>30'</td>
<td>0.0%</td>
<td>0.0%</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**
- Augered to 10.0'
- Refusal, No samples taken.

### Location of Boring

- **Casing:** Used HSA
- **Samplers:** Standard 6" core, Sampler SUMMAF
- **Surface Elevation:** 10.0'

**Remarks (SOIL IDENTIFICATION):**
- Remarks include color, gradation, type of soil etc. Rock color, type, condition, hardness, Boring time, seams and etc.
- Refusal at 10.0'

**Summary:**
- Earth Boring
- Rock Coring

**Hole No.:** AH-ZA
**Ground Water Observations**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Ground Water Type</th>
<th>Moisture Density</th>
<th>Strata Change Elev.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0' - 1.5'</td>
<td>Dark Brown fine-medium Sand and Silt.</td>
<td>Moist Dense</td>
<td>0.5'</td>
</tr>
<tr>
<td>1.5' - 3.0'</td>
<td>Brown medium-coarse Sand and Gravel.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.0' -</td>
<td>Refusal at 3.0' Move forward 20.0' W-3A</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Auger refusal at 2.0'</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Soil Identification**

Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc.

- Dark Brown fine-medium Sand and Silt.
- Brown medium-coarse Sand and Gravel.
- Refusal at 3.0' Move forward 20.0' W-3A
- Auger refusal at 2.0'

**Ground Surface to 3.0'**

Sample Type:  
- D: Dry  
- C: Cored  
- W: Washed  
- U: Undisturbed  
- P: Test Pit  
- T: Auger  
- V: Vane Test  
- U: Undisturbed Thinwall

Proportions Used:  
- 0 to 40%  
- 10 to 20%  
- 20 to 35%  
- 35 to 50%

**Casing:**

- Used: HSA
- 140 lbs, 30" fall on 2" O.D. Sampler

**Summary:**

- Earth Borings: 3.0
- Rock Coring:  
- Samples: 1

**Hole No.: AH-3**
### Ground Water Observations

<table>
<thead>
<tr>
<th>Depth</th>
<th>Sample Depths</th>
<th>Type of Sample</th>
<th>Blows per 6&quot;/Hammer Fall</th>
<th>Moisture Density or Consist.</th>
<th>Strata Change</th>
<th>Soil Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0'-2.0'</td>
<td>D</td>
<td>D</td>
<td>4</td>
<td>Loose</td>
<td>2.5'</td>
<td>Dark Brown fine-medium Sand and Sil, trace fine Gravel, trace Pine needles</td>
</tr>
<tr>
<td>5.0'-7.0'</td>
<td>D</td>
<td>D</td>
<td>15</td>
<td>Dense</td>
<td>4.0'</td>
<td>Red Brown fine-coarse Sand, trace fine Gravel, trace Pine needles</td>
</tr>
<tr>
<td>10.0'-12.0'</td>
<td>S</td>
<td>S</td>
<td>34</td>
<td>Dense</td>
<td>10.0'</td>
<td>Red Brown fine-coarse Sand and Red Quartz, trace Fine Gravel, trace Silt, trace Cobbles</td>
</tr>
<tr>
<td>15.0'-17.0'</td>
<td>D</td>
<td>D</td>
<td>28</td>
<td>V/Dense</td>
<td>15.0'</td>
<td>Possible Boulder?</td>
</tr>
<tr>
<td>20.0'-22.0'</td>
<td>D</td>
<td>D</td>
<td>13</td>
<td>M/Dense</td>
<td>25.0'</td>
<td>Red Brown fine-coarse Sand, trace fine Gravel, trace Silt, trace Cobbles</td>
</tr>
</tbody>
</table>

### Location of Boring

- **Casing Blows per 6"**
- **Sample Depths From-To**
- **Type of Sample**
- **Blows per 6" on Sampler From-To**
- **Moisture Density or Consist.**
- **Strata Change Elev.**
- **Soil Identification**

### Summary

- **Surfaced Elev.**
- **Date Started**
- **Date Comp.**
- **Boring Foreman**
- **Soils Engr.**

- **Sample**
  - **No.**
  - **Pen.**
  - **Rec.**

- **Ground Surface to 25.0'**
- **Used**
- **HSA Casing:**
- **Then**
- **Bottom of boring 25.0'**
- **SUMMARY**
  - **Earth Boring:***
    - **25.0'**
      - **Hole No.**
      - **X**
      - **M**
      - **W**
      - **S**
    - **Rock Coring:**
    - **Samples:**
    - **Coreless Density:**
    - **Cohesionless Consistency:**
    - **Cohesive Consistency:**
    - **Cores:**
      - **D:** Dry
      - **C:** Cored
      - **W:** Washed
      - **UP:** Undisturbed Piston
      - **TP:** Test Pit Auger Vane Test
      - **UT:** Undisturbed Thinwall

---

For the full technical report and data, please refer to the original document.
## Ground Water Observations

<table>
<thead>
<tr>
<th>Depth</th>
<th>Casing Blows per foot</th>
<th>Sample Depths</th>
<th>Type of Sample</th>
<th>Blows per 6&quot; on Sampler</th>
<th>Moisture Density or Consist.</th>
<th>Strata Change Elev.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0'-2.0'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Moist N/Dense</td>
<td></td>
<td>Red Brown fine-coarse Sand, little Silt, little coarse Gravel, trace Quartzite, trace Wood chips.</td>
</tr>
<tr>
<td>5.0'-7.0'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Moist Dense</td>
<td></td>
<td>Red Brown fine-coarse Sand, some coarse Gravel, trace Quartzite, trace Red Bedrock.</td>
</tr>
<tr>
<td>10.0'-12.0'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Moist Dense</td>
<td></td>
<td>Red Brown fine-coarse Sand, little fine Gravel, trace Silt, trace Quartzite.</td>
</tr>
<tr>
<td>15.0'-17.0'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wet Dense</td>
<td></td>
<td>Red Brown fine-medium Sand, trace Silt.</td>
</tr>
<tr>
<td>15.0'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Bottom of boring 25.0' installed 1 1/2&quot; PVC Monitor well at 25.0'.</td>
</tr>
</tbody>
</table>

## Soil Identification

<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Pen Consistency</th>
<th>Rec Consistency</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2.0</td>
<td>1.0</td>
</tr>
<tr>
<td>2</td>
<td>2.0</td>
<td>1.5</td>
</tr>
<tr>
<td>3</td>
<td>2.0</td>
<td>1.0</td>
</tr>
<tr>
<td>4</td>
<td>2.0</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**Remarks Include Color, Gradation, Type of Soil Etc. Rock, Color, Type, Condition, Hardness, Drilling Time, Seams and Etc.**

**Fed Brown fine-coarse Sand, little Silt, little coarse Gravel, trace Quartzite, trace Wood chips.**

**Fed Bedrock.**

**Fed Brown fine-medium Sand, trace Silt.**

**Bottom of boring 25.0'**

**Installed 1 1/2" PVC Monitor well at 25.0'.**

**10 0' Screen**

**15.0' Riser**

**15 lbs Sand Mix**

**1 Threaded Plug**

**1 Curb Box**
**GROUND WATER OBSERVATIONS**

<table>
<thead>
<tr>
<th>Depth (Ft.)</th>
<th>Sample Depth</th>
<th>Type of Sample</th>
<th>Blows / 6&quot; Sample</th>
<th>Moisture Density</th>
<th>Strata Change Elev.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0'-2.0'</td>
<td>D</td>
<td>8</td>
<td>2</td>
<td>Moist</td>
<td></td>
<td>Brown fine coarse Sand, little fine Gravel, little Silt.</td>
</tr>
<tr>
<td>5.0'-7.0'</td>
<td>D</td>
<td>3</td>
<td>1</td>
<td>Moist</td>
<td>5.0'</td>
<td>Asphalt, trace Brown fine coarse Sand, trace Granite.</td>
</tr>
<tr>
<td>10.0'-12.0'</td>
<td>D</td>
<td>14</td>
<td>17</td>
<td>Moist</td>
<td>10.0'</td>
<td>Red Brown fine coarse Sand, little fine Gravel, trace Quartzite, trace (-) Mica Schists.</td>
</tr>
<tr>
<td>15.0'-17.0'</td>
<td>D</td>
<td>5</td>
<td>6</td>
<td>Moist</td>
<td>14.0'</td>
<td>Red Brown fine coarse Sand and fine medium Gravel, trace Silt, (Blowing Sands).</td>
</tr>
<tr>
<td>20.0'</td>
<td></td>
<td></td>
<td></td>
<td>Moist</td>
<td></td>
<td>Bottom of Boring at 20.0'. Installed 1 1/2&quot; PVC Monitor Well at 20.0'.</td>
</tr>
</tbody>
</table>

**LOCATION OF BORING**

- **GROUND SURFACE TO 20.0'**
- **USED HSA**
- **CASING:**
  - 40 Ib Wt. + 30' foil on 2" O.D. Sampler

**SOIL IDENTIFICATION**

<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Pen</th>
<th>Rec.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2.0'</td>
<td>0.5'</td>
<td>Brown fine coarse Sand, little fine Gravel, little Silt.</td>
</tr>
<tr>
<td>2</td>
<td>2.0'</td>
<td>0.6'</td>
<td>Asphalt, trace Brown fine coarse Sand, trace Granite.</td>
</tr>
<tr>
<td>3</td>
<td>2.0'</td>
<td>1.2'</td>
<td>Red Brown fine coarse Sand, little fine Gravel, little Silt, trace (-) Quartzite, trace (-) Mica Schists.</td>
</tr>
<tr>
<td>4</td>
<td>2.0'</td>
<td>0.9'</td>
<td>Red Brown fine coarse Sand and fine medium Gravel, trace Silt, (Blowing Sands).</td>
</tr>
</tbody>
</table>

**SUMMARY**

- Earth boring 20.0'
- Rock coring
- Samples 4
**DW-1**

Test Boring B-1

Monitor Well

7/23/86

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0'0&quot;</td>
<td>Ground Surface</td>
</tr>
<tr>
<td>2'0&quot;-4'0&quot;</td>
<td>Medium dense to very dense, damp to wet, fine sand and inorganic silt, trace medium sand.</td>
</tr>
<tr>
<td>4'0&quot;</td>
<td>Dense, wet, medium to coarse sand, trace fine sand, inorganic silt and fine gravel.</td>
</tr>
</tbody>
</table>

End of boring 15'6"

Installed well point at 15'0".

Water level at 4'0" upon completion.

Materials used:

1. 2" threaded PVC end plug
2. 2’ x 10’ PVC Slotted Screen
3. 2” x 5’ PVC Riser
4. Protective Locking Casing
5. Sakrete - bag
6. Silica Sand - bag
7. Bentonite Pellets - pail (for job)

Notes:

- Water levels indicated may vary with seasonal fluctuation and the degree of soil saturation when the boring was taken. The following terms used in the soil descriptions are based on visual identification: Trace 0-10%, little or few 10-20%, some 20-40%, and 40-50%.

Type of Boring:
- 2½” Casing
- 3½” Casing
- Hollow Stem Auger
- Solid Stem Auger

Standard Penetration Test - 140# hammer falling 30" - Blows are per 6" taken with 18" long x 2" O.D. x 1-3/8" I.D. Split Spoon Sampler unless otherwise noted.
To: Almer Huntley, Jr. & Associates
Date: 7/29/86
Job No.: 86-414
Location: Landfill, Belchertown, MA
Scale 1" = 4 ft.

Test Boring B-2
Monitor Well
7/23/86

Ground Surface

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0'0&quot;</td>
<td>Ground Surface</td>
</tr>
<tr>
<td>3'0&quot;</td>
<td>Very loose, moist, fine to coarse sand, trace inorganic silt and fine gravel.</td>
</tr>
<tr>
<td>6'6&quot;</td>
<td>Very dense, wet, medium to coarse sand, some fine gravel and inorganic silt, trace fine sand and cobbles.</td>
</tr>
<tr>
<td>15'6&quot;</td>
<td>Medium dense, wet, fine to coarse sand, some inorganic silt, trace fine gravel.</td>
</tr>
</tbody>
</table>

End of boring 15'6"

Installed well point at 15'10"

Water level at 2'6" upon completion.

Materials used:

1 2" threaded PVC end plug
1 2" x 10' PVC Slotted Screen
1 2" x 5' PVC Riser
1 Protective Locking Casing
1 Sakrete - bag
1 Silica Sand - bag

Standard Penetration Test - 140# hammer falling 30". Blows are per 6" taken with 18" long x 2" O.D. x 1-3/8" I.D. Split Spoon Sampler unless otherwise noted.

Type of Boring - 2½" Casing ☐ 3½" Casing ☐ Hollow Stem Auger ☒ Solid Stem Auger ☐

Notes: Water levels indicated may vary with seasonal fluctuation and the degree of soil saturation when the boring was taken. The following terms used in the soil descriptions are based on visual identification: Trace 0-10%, little or few 10-20%, Some 20-40%, and 40-60%.
To: Almer Huntley, Jr. & Associates  
Date: 7/29/86  
Job No.: 86-414

Location: Landfill, Belchertown, MA  
Scale: 1" = 4 ft.

**DW-3**

Test Boring B-3  
Monitor Well  
7/23/86

<table>
<thead>
<tr>
<th>Depth</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0'0&quot;</td>
<td>Ground Surface</td>
</tr>
<tr>
<td>2'0&quot;</td>
<td>Dense, dry, fine to medium sand, some organic silt and root matter, trace coarse sand and fine gravel.</td>
</tr>
<tr>
<td>7'0&quot;</td>
<td>Dense to very dense, wet, medium to coarse sand, some fine gravel, trace inorganic silt and fine sand.</td>
</tr>
<tr>
<td>20'6&quot;</td>
<td>End of boring 20'6&quot;</td>
</tr>
</tbody>
</table>

Installed well point at 18'0"  
Water level at 6'6" upon completion.

Materials used:  
1. 2" threaded PVC end plug  
2. 2" x 5' PVC Slotted Screen  
1. 2" x 10' PVC Riser

**Notes:**  
- Water levels indicated may vary with seasonal fluctuation and the degree of soil saturation when the boring was taken.  
- The following terms used in the soil description are based on visual identification: Trace 0-10%, little or few 10-20%, some 20-40%, and 40-50%.
APPENDIX C

CONCEPTUAL SEWAGE SYSTEM REPAIR PLANS

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
1. Precautionary Notes on the Use of the Following Drawings

These recommendations are preliminary only. The owners' houses with failing septic systems will be required to hire a professional engineer or sanitarian to do a thorough site evaluation to determine the type, size and location of the required system repair or replacement. Plans and applications for the installation will have to be prepared and submitted for the Board of Health's review. Variance requests to the Town's and State's minimum requirements will be required in many cases. Conservation Commission filings and approvals will also be required prior to the start of many of the repair or replacement projects.

The lot owners and the Town's Board of Health are hereby notified that these recommended alternative drawings are preliminary and general in nature. Under no circumstances are these drawings to be used as a completed system design or to be construed as giving approval to that plan's design for any particular lot.

2. Cost Information

Due to the unique features of each lot and septic system, it is impossible to provide cost estimates in this report for work which may be required on individual lots. However, in order to give homeowners a rough idea of costs, we have provided the following opinions of cost for the conceptual plans presented as Alternatives 1 - 7.

<table>
<thead>
<tr>
<th>Alternative</th>
<th>Installation Costs</th>
<th>Design and Regulatory Costs</th>
<th>Annual Operating Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$5,500</td>
<td>$2,000</td>
<td>$150</td>
</tr>
<tr>
<td>2</td>
<td>$4,000</td>
<td>$2,200</td>
<td>$150</td>
</tr>
<tr>
<td>3</td>
<td>$4,000</td>
<td>$3,000</td>
<td>$6,500</td>
</tr>
<tr>
<td>4</td>
<td>$5,500</td>
<td>$3,000</td>
<td>$250</td>
</tr>
<tr>
<td>5</td>
<td>$2,500</td>
<td>$3,000</td>
<td>$150</td>
</tr>
<tr>
<td>6</td>
<td>$4,500</td>
<td>$2,500</td>
<td>$250</td>
</tr>
<tr>
<td>PLUS</td>
<td>$4,000*</td>
<td>$3,500</td>
<td>$150</td>
</tr>
</tbody>
</table>

* New well

R16-5

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
3. Procedures for Repairs

Should a homeowner decide to alter (i.e., repair or enlarge) their septic system, the following procedures must be followed.

The landowner is responsible for coordinating the schedules of the Board of Health Agent, the backhoe operator, and the engineer or registered sanitarian for the purpose of conducting a site investigation, observation hole examination, and a percolation test. It is customary for the backhoe operator and the engineer/sanitarian to arrive on the site one-half to one hour prior to the Health Agent so that initial test holes and the percolation hole are ready for testing. It is also the responsibility of the homeowner to call DIG-SAFE, a clearing house for all underground public utilities, 72 hours prior to any excavation work being done. If DIG-SAFE is not notified and any damage is done to a utility line, the lot owner is responsible for the damages. The telephone number for DIG-SAFE is 1-800-322-4844.

Assuming the information gathered during the field evaluation meets Title 5 requirements, the engineer/sanitarian will design a system. A copy of the design, along with an Application for Disposal Works Construction Permit (supplied by the engineer/sanitarian), are given to the Board of Health for plan approval. The plan of the proposed sewage disposal facility must show the lot dimensions, location and size of the leaching system and reserve area, design calculations, existing and proposed contours, location and logs of observation pits, location and result of percolation tests, any streams, drains and/or wetlands within 100 feet of the proposed system, any known sources of water supply within 200 feet of the proposed system, the location of the proposed well or water lines, the maximum groundwater elevation in the area of the leaching system, a profile of the system, and the signature and seal of a Professional Engineer or Registered Sanitarian. The Board of Health has 45 days, as per M.G.L. Chapter 111, Section 31E, to act on the proposal. But under no circumstances may a person install a sewage disposal system which does not comply with Title 5, even if the Board of Health does not take action. The Board of Health or the Department of Environmental Quality Engineering may file suit in court to halt construction of a system.
being installed or prevent the use of a system installed without such a permit. The Disposal Works Construction Permit is valid for two years from the date of issue unless physical conditions have been altered on the lot, Title 5 is revised, or construction has begun within that period.

The Board of Health issues Disposal Works Construction Permits as per Title 5 (310 CMR 15.02 [2]) to any person engaged in the construction, alteration, installation, or repair of any septic system. The permits expire at the end of the year of issuance and may be revoked for good reason at any time.

The Board of Health is responsible for ensuring proper installation of the system as designed. Some towns require that the engineer/sanitarian inspect the system before it is covered and sign off on the Certification of Compliance, which states that all work was done in accordance with the terms of the permit and the approved plans (310 CMR 15.02 [8]).

If the system in question is an existing leaching facility, it is not required that every component of the system be brought up to current standards, only that the non-functioning portion must be replaced to meet Title 5 standards.

If a Board of Health denies approval of a plan or revokes or refuses to renew a license, an appeal must be filed in a court of law, not the Department of Environmental Quality Engineering.

If a plan requires a variance (310 CMR 15.20), the steps to follow are outlined in Appendix A. The procedural review makes it clear that the Department of Environmental Quality Engineering must approve all variances, with no exception.
SAMPLE DEPICTS A
GRAVITY LEACHING FIELD
SYSTEM IN FILL
HAVING THE FOLLOWING DESIGN
CONSTRAINTS:

- HIGH GROUNDWATER OR OXIDES
- LEVEL SITE
- GOOD PERCOLATION RATE
- --- 396 --- EXISTING CONTOURS
- --- 396 --- PROPOSED CONTOURS

CONCEPTUAL PLAN ONLY
NOT TO BE USED FOR
PERMITS OR APPROVALS

PLAN
N.T.S.

ALTERNATE #1

SHADE AREA REPRESENTS AREA OF SOIL TO BE
REMOVED AND FILL TO BE PLACED AS PER THE
REQUIREMENT OF THE STATE ENVIRONMENTAL CODE
TITLE 5, 310 CMR 15.02/7.
SAMPLE Depicts A Gravity Leaching Trench System

Having The Following Design Constraints:

- Sloping Lot
- Groundwater And Or Refusal Conditions
- No Fill
- Wetland Or Lake Distance Considerations
- Slow Percolation Rate
- 500' Separation From System And Wetland (Town Regulation)
- Owner Is Responsible For Filing "Request For Determination" With Local Conservation Commission

Conceptual Plan Only

Not To Be Used For Permits Or Approvals

Alternate # 2
TOP OF BANK

LAKE

EDGE OF 100' BUFFER ZONE

EDGE OF WATER

PROPOSED 24" I.D. ACCESS MANHOLE W/CAST IRON COVER & FRAME TO GRADE

APPRAISAL PROPERTY LINES

EXISTING COTTAGE

EXISTING WELL

EXISTING COTTAGE

EXISTING HOUSE

EXISTING WELL

T.B.M. - SPIKE IN UTILITY POLE

TOP OF BANK

EXISTING WELL

EXISTING COTTAGE

EXISTING COTTAGE

EXISTING HOUSE

T.B.M. - SPIKE IN UTILITY POLE

SAMPLE DEPICTS A TIGHT TANK SYSTEM
HAVING THE FOLLOWING DESIGN CONSTRAINTS:

- EXISTING WELLS LESS THAN 100' TO SYSTEM LOCATION
- NO VARIANCE OBTAINABLE
- HIGH GROUNDWATER
- WETLAND OR LAKE DISTANCE CONSIDERATIONS

PROPOSED TIGHT TANK, TO BE WATER TIGHT, TO RECEIVE TWO COATS OF BITUMASTIC.

THE PROPOSED TIGHT TANK WILL BE INSTALLED OUTSIDE THE 100' BUFFER ZONE. CONNECTION TO EXISTING SEWER PIPE WILL TAKE PLACE WITHIN THE BUFFER ZONE. OWNER IS RESPONSIBLE FOR CONTACTING THE LOCAL CONSERVATION COMMISSION TO OBTAIN A WRITTEN DETERMINATION FROM THE COMMISSION. THIS DETERMINATION MUST BE SUBMITTED WITH THE APPROVED PLANS & PERMIT TO D.E.Q.E. FOR FINAL APPROVAL.

CONCEPTUAL PLAN ONLY
NOT TO BE USED FOR PERMITS OR APPROVALS

ALTERNATE #3
PROPOSED WELL - 100' MIN. FROM ANY LEACHING FACILITY
50' MIN. FROM ANY SEPTIC TANK

50' BUFFER ZONE
PER TITLE 5
SECTION 15:03:7

EXISTING SHALLOW WELL (SEE NOTE)

100' RADIUS FROM EXISTING WELL

1500 GAL. SEPTIC TANK
LEACHING TRENCHES

PUMP CHAMBER

EXISTING DRIVEWAY

100' RADIUS FROM EXISTING WELL

100' BUFFER ZONE FROM ANY WETLAND

SLOPING LOT
WETLAND, LAKE AND OR GROUNDWATER CONSIDERATIONS
GOOD OR TIGHT SOILS
Z-100' SEPARATION FROM SYSTEM AND WETLAND (TOWN REGULATION)
EXISTING SHALLOW WELL TO BE FILLED & ABANDONED
OWNER IS RESPONSIBLE FOR FILING "REQUEST FOR DETERMINATION" WITH LOCAL CONSERVATION COMMISSION

SAMPLE DEPICTS A PUMP SYSTEM TO PUMP EFFLUENT TO TRENCHES (LEACHING PITS MAY BE SUBSTITUTED)
HAVING THE FOLLOWING DESIGN CONSTRAINTS:

- SLOPING LOT
- WETLAND, LAKE AND OR GROUNDWATER CONSIDERATIONS
- GOOD OR TIGHT SOILS
- Z-100' SEPARATION FROM SYSTEM AND WETLAND (TOWN REGULATION)
- EXISTING SHALLOW WELL TO BE FILLED & ABANDONED
- OWNER IS RESPONSIBLE FOR FILING "REQUEST FOR DETERMINATION" WITH LOCAL CONSERVATION COMMISSION

PLAN
N.T.S.

R = RESERVE

CONCEPTUAL PLAN ONLY
NOT TO BE USED FOR PERMITS OR APPROVALS

ALTERNATE # 4
ROAD

EXISTING WELL LOCATION IS 50' OR GREATER TO ANY SEPTIC TANK AND 100' OR GREATER TO ANY LEACHING FACILITY.

EXISTING LEACH FIELD LOCATION TO BE PUMPED AND FILLED WITH GRAVEL AFTER INSTALLATION OF THE NEW LEACHING DISPOSAL SYSTEM.

EXISTING SEPTIC TANK

100' RADII FROM WELL

ROW OF TREES

ALTERNATE #5

SAMPLE DEPICTS A GRAVITY LEACHING PIT SYSTEM HAVING THE FOLLOWING DESIGN CONSTRAINTS:

- LEACHING PIT
- GOOD SOILS
- GOOD PERC
- VARIANCE REQUIRED FOR DISTANCE TO PROPERTY LINES AND/OR HOUSE AND/OR LAKE

CONCEPTUAL PLAN ONLY NOT TO BE USED FOR PERMITS OR APPROVALS
SAMPLE DEPICTS A PUMP OR GRAVITY SYSTEM HAVING THE FOLLOWING DESIGN CONSTRAINTS:

- PUMP OR GRAVITY SYSTEM
- MOVE WELL OR INSTALL WATER LINE
- NO GROUNDWATER
- PITS BEDS OR TRENCHES
- OWNER IS RESPONSIBLE FOR FILING 'REQUEST FOR DETERMINATION' WITH LOCAL CONSERVATION COMMISSION

CONCEPTUAL PLAN ONLY NOT TO BE USED FOR PERMITS OR APPROVALS
NOTE: EASEMENT OBTAINED FROM REAR ABUTTOR
EXISTING 1000 GAL. SEPTIC TANK
EXISTING HOUSE
GARAGE
200' DRIVEWAY
EXISTING WELL

SAMPLE DEPICTS A GRAVITY LEACHING FIELD
HAVING THE FOLLOWING CONSTRAINTS:
- GOOD SOILS
- GOOD PERC
- INSUFFICIENT DISTANCE FROM WELLS
- EASEMENT OBTAINED FROM ABUTTOR

CONCEPTUAL PLAN ONLY
NOT TO BE USED FOR PERMITS OR APPROVALS

ALTERNATE #7
APPENDIX D

GUIDE TO SOAPS, DETERGENTS AND CLEANERS

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
GUIDE TO SOAPS, DETERGENTS AND CLEANERS

The accompanying table shows the phosphate content in grams per use according to the manufacturer's specifications on the package. The lower this value, the less the product will contribute to the pollution and eutrophication of the lakes. Products with no phosphate (or low phosphate) are widely available.

### POWDERED LAUNDRY DETERGENTS AND SOAPS WITH LITTLE OR NO PHOSPHATE

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJAX (total color)</td>
<td>Colgate-Palmolive</td>
<td>no phosphate</td>
</tr>
<tr>
<td>ARM &amp; HAMMER</td>
<td>Church &amp; Dwight</td>
<td>no phosphate</td>
</tr>
<tr>
<td>DUZ LAUNDRY SOAP</td>
<td>Procter &amp; Gamble</td>
<td>no phosphate</td>
</tr>
<tr>
<td>FINAST (all purpose blue)</td>
<td>First Nat'l, Stores</td>
<td>no phosphate</td>
</tr>
<tr>
<td>FINAST (cold water)</td>
<td>First Nat'l, Stores</td>
<td>trace</td>
</tr>
<tr>
<td>FINAST (heavy duty)</td>
<td>First Nat'l, Stores</td>
<td>trace</td>
</tr>
<tr>
<td>FINAST (low suds)</td>
<td>First Nat'l, Stores</td>
<td>trace</td>
</tr>
<tr>
<td>GAIN (careful: there are two kinds)</td>
<td>Procter &amp; Gamble</td>
<td>trace</td>
</tr>
<tr>
<td>IGA (phosphate free)</td>
<td>Independent Grocers</td>
<td>trace</td>
</tr>
<tr>
<td>INSTANT FELS</td>
<td>Purex Corp</td>
<td>no phosphate</td>
</tr>
<tr>
<td>IVORY FLAKES</td>
<td>Procter &amp; Gamble</td>
<td>no phosphate</td>
</tr>
<tr>
<td>IVORY SNOW</td>
<td>Procter &amp; Gamble</td>
<td>no phosphate</td>
</tr>
<tr>
<td>MIRACLE WHITE</td>
<td>Drackett Products Co.</td>
<td>trace</td>
</tr>
<tr>
<td>PUREX (all temperature)</td>
<td>Purex Corp.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>STOP &amp; SHOP (cold water)</td>
<td>Stop &amp; Shop Co., Inc.</td>
<td>trace</td>
</tr>
<tr>
<td>STOP &amp; SHOP (hi-power blue)</td>
<td>Stop &amp; Shop Co., Inc.</td>
<td>trace</td>
</tr>
<tr>
<td>TREND</td>
<td>Purex Corp.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>WOOLITE (for machines)</td>
<td>Boyle Midway, Inc.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>COLD WATER XE (careful: there are two kinds)</td>
<td>Colgate-Palmolive</td>
<td>no phosphate</td>
</tr>
</tbody>
</table>

### HIGH PHOSPHATE POWDERED LAUNDRY DETERGENTS AND SOAPS

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJAX (total color new)</td>
<td>Colgate-Palmolive</td>
<td>6.4</td>
</tr>
<tr>
<td>ALL (bleach, borax, and brighteners)</td>
<td>Lever Bros.</td>
<td>7.0</td>
</tr>
<tr>
<td>ALL (concentrated)</td>
<td>Lever Bros.</td>
<td>7.0</td>
</tr>
<tr>
<td>BOLD (all fabric)</td>
<td>Procter &amp; Gamble</td>
<td>5.8</td>
</tr>
<tr>
<td>BONUS (heavy duty)</td>
<td>Procter &amp; Gamble</td>
<td>5.8</td>
</tr>
<tr>
<td>CHEER (all temperature)</td>
<td>Procter &amp; Gamble</td>
<td>6.7</td>
</tr>
<tr>
<td>COLD POWER</td>
<td>Colgate-Palmolive</td>
<td>6.4</td>
</tr>
<tr>
<td>DASH (low suds, concentrated)</td>
<td>Procter &amp; Gamble</td>
<td>6.2</td>
</tr>
<tr>
<td>DREPT (for baby laundry)</td>
<td>Procter &amp; Gamble</td>
<td>6.7</td>
</tr>
<tr>
<td>DUZ (heavy duty)</td>
<td>Procter &amp; Gamble</td>
<td>6.5</td>
</tr>
<tr>
<td>FAB (with brighteners)</td>
<td>Colgate-Palmolive</td>
<td>6.4</td>
</tr>
</tbody>
</table>
### HIGH PHOSPHATE POWDERED LAUNDRY DETERGENTS AND SOAPS (continued)

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAIN</td>
<td>Procter &amp; Gamble</td>
<td>5.8</td>
</tr>
<tr>
<td>IGA (all purpose)</td>
<td>Independent Grocers</td>
<td>5.6</td>
</tr>
<tr>
<td>IGA (white with ultra</td>
<td>Independent Grocers</td>
<td>5.6</td>
</tr>
<tr>
<td>brighteners)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OXYDOL</td>
<td>Procter &amp; Gamble</td>
<td>5.8</td>
</tr>
<tr>
<td>PUNCH</td>
<td>Colgate-Palmolive</td>
<td>6.4</td>
</tr>
<tr>
<td>PURITY SUPREME (total power)</td>
<td>Purity Supreme Inc.</td>
<td>4.3</td>
</tr>
<tr>
<td>RINSO</td>
<td>Lever Bros., Inc.</td>
<td>5.8</td>
</tr>
<tr>
<td>STAR (blue)</td>
<td>Star Mkt. Div. of</td>
<td>4.3</td>
</tr>
<tr>
<td>Jewel Co., Inc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STOP &amp; SHOP (blue power)</td>
<td>Stop &amp; Shop Co., Inc.</td>
<td>4.3</td>
</tr>
<tr>
<td>STOP &amp; SHOP (low suds,</td>
<td>Stop &amp; Shop Co., Inc.</td>
<td>3.9</td>
</tr>
<tr>
<td>bleach, borax,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>brighteners)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TIDE</td>
<td>Procter &amp; Gamble</td>
<td>5.8</td>
</tr>
<tr>
<td>COLD WATER XE</td>
<td>Colgate-Palmolive</td>
<td>6.4</td>
</tr>
</tbody>
</table>

### LIQUID LAUNDRY DETERGENTS

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL ) two kinds*</td>
<td>Lever Bros.</td>
<td>7.0</td>
</tr>
<tr>
<td>ALL )</td>
<td>Lever Bros.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>DYNAMO</td>
<td>Colgate-Palmolive</td>
<td>no phosphate</td>
</tr>
<tr>
<td>FINAST (heavy duty)</td>
<td>First Nat’l. Stores</td>
<td>no phosphate</td>
</tr>
<tr>
<td>IGA</td>
<td>Independent Grocers</td>
<td>no phosphate</td>
</tr>
<tr>
<td>PURITY SUPREME (heavy duty)</td>
<td>Purity Supreme Inc.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>STAR’S</td>
<td>Star Mkt. Div. of</td>
<td>no phosphate</td>
</tr>
<tr>
<td>Jewel Co., Inc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STOP &amp; SHOP (heavy duty)</td>
<td>Stop &amp; Shop Co., Inc.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>STOP &amp; SHOP (cold water)</td>
<td>Stop &amp; Shop Co., Inc.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>WISK</td>
<td>Lever Bros., Inc.</td>
<td>5.3</td>
</tr>
</tbody>
</table>

### LAUNDRY SOAP BARS

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>FELS NAPHTHA (heavy duty)</td>
<td>Purex Corp.</td>
<td>no phosphate</td>
</tr>
</tbody>
</table>

### LIQUID COLD WATER WASH FOR DELICATE FABRICS

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>CVS WOOL WASH</td>
<td>Consumer Value Stores</td>
<td>no phosphate</td>
</tr>
<tr>
<td>WOOLITE</td>
<td>Boyle Midway Inc.</td>
<td>no phosphate</td>
</tr>
</tbody>
</table>
## LAUNDRY BOOSTERS AND WATER CONDITIONERS

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARM &amp; HAMMER WASHING SODA</td>
<td>Church &amp; Dwight</td>
<td>no phosphate</td>
</tr>
<tr>
<td>ARM &amp; HAMMER BORAX</td>
<td>Church &amp; Dwight</td>
<td>no phosphate</td>
</tr>
<tr>
<td>MIRACLE WHITE (super cleaner)</td>
<td>Drackett Products, Inc.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>20 MULE TEAM BORAX</td>
<td>U.S. Borax &amp; Chemical</td>
<td>no phosphate</td>
</tr>
</tbody>
</table>

## WHITENERS AND BRIGHTENERS FOR LAUNDRY

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>BORATEEM</td>
<td>U.S. Borax &amp; Chemical</td>
<td>no phosphate</td>
</tr>
<tr>
<td>LA FRANCE</td>
<td>Purex Corp.</td>
<td>no phosphate</td>
</tr>
</tbody>
</table>

## LAUNDRY PRESOAKS AND LAUNDRY BOOSTERS

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>AXION) two kinds*</td>
<td>Colgate-Palmolive</td>
<td>4.8</td>
</tr>
<tr>
<td>AXION) two kinds*</td>
<td>Colgate-Palmolive</td>
<td>no phosphate</td>
</tr>
<tr>
<td>BIZ) two kinds*</td>
<td>Procter &amp; Gamble</td>
<td>5.3</td>
</tr>
<tr>
<td>BIZ) two kinds*</td>
<td>Procter &amp; Gamble</td>
<td>no phosphate</td>
</tr>
</tbody>
</table>

## WATER SOFTENERS

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALGON</td>
<td>Colgon Consumer Prod., subsid.</td>
<td>contains two water softeners</td>
</tr>
</tbody>
</table>

## SOIL AND STAIN REMOVERS FOR LAUNDRY

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>GREASE RELIEF</td>
<td>Texize Chemicals Co.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>MAGIC (preshell)</td>
<td>Armour-Dial</td>
<td>no phosphate</td>
</tr>
<tr>
<td>MIRACLE WHITE</td>
<td>Drackett Products</td>
<td>no phosphate</td>
</tr>
<tr>
<td>SHOUT</td>
<td>Johnson Wax</td>
<td>no phosphate</td>
</tr>
<tr>
<td>SPRAY &amp; WASH</td>
<td>Texize Chemicals Co.</td>
<td>no phosphate</td>
</tr>
</tbody>
</table>

## POWDERED AUTOMATIC DISHWASHING

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL</td>
<td>Lever Bros.</td>
<td>2.3</td>
</tr>
<tr>
<td>CALGONITE</td>
<td>Calgon Subsid. of Merck</td>
<td>2.6</td>
</tr>
<tr>
<td>CASCADE</td>
<td>Procter &amp; Gamble</td>
<td>3.1</td>
</tr>
<tr>
<td>ELECTROSOL</td>
<td>Economics Lab., Inc.</td>
<td>2.1</td>
</tr>
<tr>
<td>FINAST</td>
<td>First Nat'l. Stores</td>
<td>2.1</td>
</tr>
<tr>
<td>FINISH</td>
<td>Economics Lab., Inc.</td>
<td>2.6</td>
</tr>
<tr>
<td>IGA</td>
<td>Independent Grocers</td>
<td>2.4</td>
</tr>
</tbody>
</table>
### POWDERED AUTOMATIC DISHWASHING (continued)

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAR'S</td>
<td>Star Market, Div. of Jewel Co., Inc.</td>
<td>2.4</td>
</tr>
<tr>
<td>STOP &amp; SHOP (lemon scented or regular)</td>
<td>Stop &amp; Shop Co., Inc.</td>
<td>2.1</td>
</tr>
</tbody>
</table>

### LIQUID DISHWASHING AND HAND WASHABLES

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJAX</td>
<td>Colgate-Palmolive</td>
<td>no phosphate</td>
</tr>
<tr>
<td>DAWN</td>
<td>Procter &amp; Gamble</td>
<td>no phosphate</td>
</tr>
<tr>
<td>DEW (pink lotion)</td>
<td>Kemp Chemicals Inc.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>DOVE</td>
<td>Lever Bros.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>IGA (pink lotion)</td>
<td>Independent Grocers</td>
<td>no phosphate</td>
</tr>
<tr>
<td>IVORY LIQUID</td>
<td>Procter &amp; Gamble</td>
<td>trace</td>
</tr>
<tr>
<td>JOY</td>
<td>Procter &amp; Gamble</td>
<td>trace</td>
</tr>
<tr>
<td>LEMON CHIFFON</td>
<td>Armour-Dial</td>
<td>no phosphate</td>
</tr>
<tr>
<td>LUX</td>
<td>Lever Bros.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>OCTAGON (lemon, regular)</td>
<td>Colgate-Palmolive</td>
<td>no phosphate</td>
</tr>
<tr>
<td>PALMOLIVE</td>
<td>Colgate-Palmolive</td>
<td>no phosphate</td>
</tr>
<tr>
<td>PUREX (herbal, lime)</td>
<td>Purex Corp.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>PURITY SUPREME (green, gentle pink, or white)</td>
<td>Purity Supreme, Inc.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>PURITY SUPREME (lemon, lime scented)</td>
<td>Purity Supreme, Inc.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>RICHMOND (pink lotion)</td>
<td>First Nat'l. Stores</td>
<td>no phosphate</td>
</tr>
<tr>
<td>STAR'S (green, lemon, pink, white)</td>
<td>Star Mkt., Div. of Jewel Co., Inc.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>STOP &amp; SHOP (lemon scented or pink)</td>
<td>Stop &amp; Shop Co., Inc.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>SUN GLORY</td>
<td>Stop &amp; Shop Co., Inc.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>SWEETHEART</td>
<td>Purex Corp.</td>
<td>no phosphate</td>
</tr>
</tbody>
</table>

### LIQUID ALL-PURPOSE CLEANERS

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJAX</td>
<td>Colgate-Palmolive</td>
<td>1.3</td>
</tr>
<tr>
<td>BARCOLENE</td>
<td>Barcolene Co.</td>
<td>4.5</td>
</tr>
<tr>
<td>FANTASTIK</td>
<td>Colgate-Palmolive</td>
<td>no phosphate</td>
</tr>
<tr>
<td>409</td>
<td>Clorox Co.</td>
<td>contains phos-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>phate, amount not specified</td>
</tr>
<tr>
<td>LESTOIL</td>
<td>Noxell Corp.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>LYSOL</td>
<td>Lehn &amp; Fink Div. of Sterling Drug</td>
<td>6.0</td>
</tr>
<tr>
<td>MR. CLEAN</td>
<td>Procter &amp; Gamble</td>
<td>1.8</td>
</tr>
<tr>
<td>PINESOL</td>
<td>American Cyanamid Co.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>SEAMIST PINE OIL</td>
<td>Trager Mfg. Co.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>TOP JOB</td>
<td>Procter &amp; Gamble</td>
<td>1.8</td>
</tr>
</tbody>
</table>
# POWDERED ALL-PURPOSE CLEANERS

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>LYSOL</td>
<td>Lehn &amp; Fink Div. of Sterling Drug</td>
<td>no phosphate</td>
</tr>
<tr>
<td>SPIC &amp; SPAN</td>
<td>Procter &amp; Gamble</td>
<td>6.6</td>
</tr>
</tbody>
</table>

# POWDERED BATHROOM CLEANERS

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJAX</td>
<td>Colgate-Palmolive</td>
<td>0.09</td>
</tr>
<tr>
<td>BON AMI</td>
<td>Bon Ami Co.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>COMET</td>
<td>Procter &amp; Gamble</td>
<td>no phosphate</td>
</tr>
<tr>
<td>FINAST</td>
<td>First Nat'l. Stores</td>
<td>no phosphate</td>
</tr>
<tr>
<td>IGA</td>
<td>Independent Grocers</td>
<td>no phosphate</td>
</tr>
<tr>
<td>OLD DUTCH</td>
<td>Purex Corp.</td>
<td>no phosphate</td>
</tr>
<tr>
<td>STOP &amp; SHOP</td>
<td>Stop &amp; Shop Co., Inc.</td>
<td>no phosphate</td>
</tr>
</tbody>
</table>

# LIQUID BATHROOM CLEANERS

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate g/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOFT SCRUB</td>
<td>Clorox Co.</td>
<td>no phosphate</td>
</tr>
</tbody>
</table>

# BUBBLE BATH AND BATH OIL BEADS

<table>
<thead>
<tr>
<th>Product</th>
<th>Manufacturer</th>
<th>Phosphate GMS/Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALGON (bubble bath, herbal bath, bouquet bath, peach, bath oil beads)</td>
<td>Calgon Div. of Merck</td>
<td>all contain phos-</td>
</tr>
<tr>
<td>VASELINE INTENSIVE CARE (bath beads)</td>
<td>Calgon Div. of Merck?</td>
<td>phate (amounts</td>
</tr>
<tr>
<td>MR. BUBBLE</td>
<td>Calgon Div. of Merck?</td>
<td>not listed)</td>
</tr>
<tr>
<td>BONNIE BUBBLE BATH</td>
<td>Calgon Div. of Merck?</td>
<td>contains phos-</td>
</tr>
</tbody>
</table>
<pre><code>                                                                                           | phate (amount      |
                                                                                           | no listed)         |
                                                                                           | ingredients not    |
                                                                                           | listed             |
                                                                                           | no phosphate       |
</code></pre>

The following kinds of laundry and cleaning products are not listed in the preceding tables because they contain no phosphate:

Liquid and powdered bleach; ammonia; spray and pump bathroom cleaners; fabric softeners; steel wool soap pads; starch; soap bars; shampoo; metal cleaners.

Taken from a brochure prepared by the Lake Cochituate Watershed Association under the Massachusetts Department of Environmental Quality Engineering utilizing funds provided by a grant from the U.S. Environmental Protection Agency authorized under Section 314 of the Federal Water Pollution Control Act Amendments of 1972.
APPENDIX E

STREET AND PARCEL INDEX
<table>
<thead>
<tr>
<th>Location</th>
<th>Owner's Name</th>
<th>Parcel Identification Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>53 Amherst Road</td>
<td>Robert B. &amp; Susan J. Martin</td>
<td>7-79^3</td>
</tr>
<tr>
<td>-- Amherst Road</td>
<td>Eugene &amp; Marion Richardson</td>
<td>7-96^3</td>
</tr>
<tr>
<td>-- Channel Drive</td>
<td>M. Mozeleski</td>
<td>6B-70^1</td>
</tr>
<tr>
<td>-- Channel Drive</td>
<td>H. &amp; S. Mozeleski</td>
<td>6B-71^1</td>
</tr>
<tr>
<td>-- Channel Drive</td>
<td>Bruno &amp; Edna T. Land</td>
<td>6B-63A &amp; 3-191^3</td>
</tr>
<tr>
<td>454 Federal Street</td>
<td>Virginia C. Dion</td>
<td>6B-125^3</td>
</tr>
<tr>
<td>460 Federal Street</td>
<td>Rita Butler</td>
<td>6B-126</td>
</tr>
<tr>
<td>465 Federal Street</td>
<td>Gordon Boyce</td>
<td>6B-132</td>
</tr>
<tr>
<td>466 Federal Street</td>
<td>William Dillard</td>
<td>6B-101</td>
</tr>
<tr>
<td>468 Federal Street</td>
<td>Charles Tolpa</td>
<td>6B-102</td>
</tr>
<tr>
<td>473 Federal Street</td>
<td>Mary Medrek</td>
<td>6B-133</td>
</tr>
<tr>
<td>474 Federal Street</td>
<td>Peg Mileski</td>
<td>6B-103</td>
</tr>
<tr>
<td>479 Federal Street</td>
<td>Henry Pranaitis</td>
<td>6B-104, 135, 136 &amp; 137</td>
</tr>
<tr>
<td>483 Federal Street</td>
<td>Esther Cortes</td>
<td>6B-139^1</td>
</tr>
<tr>
<td>501 Federal Street</td>
<td>Ruby Kosiba</td>
<td>6B-106</td>
</tr>
<tr>
<td>525 Federal Street</td>
<td>Lester Ely</td>
<td>6B-10</td>
</tr>
<tr>
<td>535 Federal Street</td>
<td>Edward Benoit</td>
<td>6B-12, 163 &amp; 164</td>
</tr>
<tr>
<td>536 Federal Street</td>
<td>Dorothy &amp; Joseph Crowley</td>
<td>6B-108 &amp; 109</td>
</tr>
<tr>
<td>538 Federal Street</td>
<td>Arthur Lemire</td>
<td>6B-110, 111 &amp; 138</td>
</tr>
<tr>
<td>540 Federal Street</td>
<td>Mrs. Edwin Osinski</td>
<td>6B-112 &amp; 113</td>
</tr>
<tr>
<td>541 Federal Street</td>
<td>Marjorie Rainaud</td>
<td>6B-13 &amp; 107</td>
</tr>
<tr>
<td>545 Federal Street</td>
<td>Marc Clad</td>
<td>6B-14, 15 &amp; 21A</td>
</tr>
<tr>
<td>546 Federal Street</td>
<td>Mary Aitkenhead</td>
<td>6B-114 &amp; 115</td>
</tr>
<tr>
<td>550 Federal Street</td>
<td>Fred Wentworth</td>
<td>6B-116, 117 &amp; 118</td>
</tr>
<tr>
<td>556 Federal Street</td>
<td>Bonnie Strickland</td>
<td>6B-120, 121 &amp; 122</td>
</tr>
<tr>
<td>557 Federal Street</td>
<td>Joanne Smith</td>
<td>6B-19 &amp; 20</td>
</tr>
</tbody>
</table>

NOTES: 1 Unable to contact.  
2 Refused interview.  
3 No improvements necessary on lot or lot is outside 300-foot zone.  
* Two systems on one parcel.  

ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
### LAKE ARCADIA

<table>
<thead>
<tr>
<th>Location</th>
<th>Owner's Name</th>
<th>Parcel Identification Number</th>
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<td>Walter Dembek</td>
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**NOTES:**
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* Two systems on one parcel.
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NOTES:  
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## STREET INDEX (continued)

### LAKE HOLLAND

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<td>Joyce Lambert</td>
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<td>T. O'Neil</td>
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STREET INDEX (continued)

LAKE HOLLAND

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<td>Florence Szczepanek</td>
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<td>40 Grela Terrace</td>
<td>Mrs. White</td>
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<td>Bruno &amp; Edna T. Land</td>
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### LAKE METACOMET

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<td>Peter &amp; Patricia Wojtowicz</td>
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<td>Wladyslaw Kosiorek</td>
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### STREET INDEX (continued)

**LAKE METACOMET**

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<th>Location</th>
<th>Owner’s Name</th>
<th>Parcel Identification Number</th>
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## PARCEL IDENTIFICATION INDEX

### LAKE ARCADIA

<table>
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<td>Marc Clad</td>
<td>6B-14 &amp; 15</td>
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**NOTES:**
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* Two systems on one parcel.
# PARCEL IDENTIFICATION INDEX
(continued)

## LAKE ARCADIA

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### LAKE ARCADIA

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<td>Eugene &amp; Marion Richardson</td>
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**PARCEL IDENTIFICATION INDEX**
(continued)

**LAKE METACOMET**

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ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
### PARCEL IDENTIFICATION INDEX (continued)

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<td>J. &amp; W. Merriam</td>
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<tr>
<td>85 Poole Road</td>
<td>Gideon Ariel</td>
<td>6D-79</td>
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**NOTES:**  
1 Unable to contact.  
2 Refused interview.  
3 No improvements necessary on lot or lot is outside 300-foot zone.  
* Two systems on one parcel.
### LAKE METACOMET

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<td>109 Poole Road</td>
<td>Dennis Drew</td>
<td>6D-84</td>
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<td>Leonard J. &amp; Shirley Chartier</td>
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<td>Lester Beaudoin</td>
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<td>--- Bay Road</td>
<td>Estate of Trefle Beaudoin</td>
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**NOTES:**
1. Unable to contact.
2. Refused interview.
3. No improvements necessary on lot or lot is outside 300-foot zone.
   * Two systems on one parcel.

---

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS · ENGINEERS · LANDSCAPE ARCHITECTS
APPENDIX F

INVENTORY REPORT FORMS

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
INVENTORY REPORT FORMS

LAKE ARCADIA

Section 4

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
I.D. No. 5S460 6B-126

ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA
RECOMMENDED SEPTIC SYSTEM ALTERNATIVE
NO. 5

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: NOV. 30, 1987                     Inspector(s): JBB / JM1
Assessors' Map: 6B                       Lot No.: 126
Address: 460 FEDERAL ST.               LAKE ARCADIA
Owner's Name: RITA BUTLER               Telephone No.: 323-6221
Address: SAME
Occupant's Name: SAME                   (if different from above)
Lot Size: 0.50 AC. (13,500 sq. ft.)+    Water Frontage (ft.): NONE

Residency: √ year-round       seasonal (if seasonal, estimate number of
weeks per year):
No. of Occupants: 2               Age of system (yrs.): 5 YRS
No. of Total Rooms: 4             No. of Bedrooms: 2      No. of Bathrooms: 1

Appliances/Connections:            ☑ dishwaher        ☑ dehumidifier
                                  ☑ washing machine  ☑ sump pump
                                  ☑ garbage disposal  ☑ roof or pavement drains
                                  ☑ other:

Basement/foundation type:
☑ brick or concrete block
       ☐ dry masonry stone wall
       ☑ poured concrete wall

Well type:                        ☑ dug well ~35'+
                                  ☑ driven point
                                  ☑ drilled rock well
                                  ☑ lake
                                  ☑ spring or cistern
                                  ☑ other:              

Depth to well intake from surface (ft.): ~35'

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. **QHD 95**
Plan filed with Board of Health: **AUG 1982**

Under who's name is plan titled: **RITA BUTLER**

Sewage disposal system:

- cesspool: concrete block
- septic tank: **1000** volume (gal.)
- depth
- length
- no. covers
- tees
- depth to top tank (ft.)

- distr. box
- pump or dosing siphon

- leaching pit: **1** no.
- KELLOGG
- MODEL K
- depth (ft.)
- depth to top below grd.

- leaching bed: length (ft.)
- avg. depth to top (ft.)
- pipe diam (in.)

- leaching trenches: no.
- length (ft.)
- depth (in.)
- width (in.)
- avg. depth to top (ft.)
- pipe diam (in.)

- reported perc. rate (min./in.)

- reported avg. depth to groundwater (ft.) at leach. area
- 120° PIT. NO GROUND W2O

YES area remaining for system's replacement

- grey water system
No subdrainage

Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: 1985, AUG.

Firm who pumps system: TETRAULT LUDLOW

Anticipated variances for system replacement:

- [✓] Own well setback
- [✓] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone

To: lake shore
vegetated wetland
brook or stream
other

Levels: Butler

+ HI - Elev. BM: up 24' 95

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M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
# Application for Disposal Works Construction Permit

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

**460 Federal Street**

**Rita Butler**

**Tetraarult Septic Tank Co.,**

**West Springfield, MA, Mass.**

**Type of Building**

- Dwelling — No. of Bedrooms: 2
- Other — Type of Building: No. of persons: 2
- Other fixtures: Garbage Grinder (NO)

**Design Flow** 55 gallons per person per day, Total daily flow: 0

**Septic Tank** — Liquid capacity: 1888 gallons, Length: 5 feet, Width: 3 feet, Total length: 10 feet, Diameter: 3 feet, Depth below inlet: 5 feet, Total leaching area: 252.85 sq. ft.

**Disposal Trench** — No. Width: Total length: 5 feet, Total leaching area: 252.85 sq. ft.

**Seepage Pit No. 1** Diameter: 5 feet, Depth below inlet: 5 feet, Total leaching area: 252.85 sq. ft.

**Other Distribution box ( )**

**Percolation Test Results**

- Test Pit No. 1: minutes per inch, Depth of Test Pit: 2 feet, Depth to ground water: 120".
- Test Pit No. 2: minutes per inch, Depth of Test Pit: 2 feet, Depth to ground water: 120".

**Description of Soil**

- **0-6"** : Town, 6-120" Sand with gravel.
- **Replace existing tank as noted on Plan attached**

**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 TITLE 5 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**

**Date**

**Application Approved By**

**Date**

**APPLICATION DISAPPROVED for the following reasons:**

---

**Permit No.**

**Issued.**

---

**THE COMMONWEALTH OF MASSACHUSETTS**

**BOARD OF HEALTH**

---

**Certificate of Compliance**

**THIS IS TO CERTIFY,** That the Individual Sewage Disposal System constructed ( ) or Repaired ( ) by **Installer**

at **Date**

has been installed in accordance with the provisions of TITLE 5 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** 8-24-82

**Inspector**
PROPOSED SEPTIC SYSTEM - REPAIR
FOR: RITA BUTLER, FEDERAL ST., BELCHERTOWN
SCALE: 1" = 90' 9/7 AUGUST 10, 1982
SHEET 2 OF 2

REF. ELEV. = 10.8 ft (ASSUMED)

Note: If septic tank depth exceeds 12" install risers to Fig.

12" MINIMUM COVER

1000 GAL. DRYWELL

2" PEASTONES

2" WASHED STONE (1/2"

ALL SIDES

WIDTH = 8.8 (TOTAL)

PROFILE

NOT TO SCALE

FINISH GRADE TO ALLOW FOR POSITIVE

STORM WATER RUN-OFF = 2% +

12" MINIMUM COVER

G" CONC.

KNOCK-OUTS

TYPICAL WEED HOLE PATTERN

LARGE (1/2"

WASHED STONE

TYPICAL

8'-10" (WIDTH)

(TOTAL LENGTH = 12'-0"

SECTION "THRU" LEACH. PIT

SOIL DATA: SEE ATTACHED APPLICATION

DESIGN DATA: EXISTING 3 BEDROOM DWELL.

FLOW = 8 X 110 = 880 G.P.D.

AREA PROPOSED PITS: BOTTOM = 12.5 X 8.8 = 110.5 S.F.

SIDEWALL = 2 (12.5) + 2 (8.8) X 18 = 76.7 S.F.

PIT = TOTAL 187.2 S.F.

PROPOSED LOADING = 1 GALLON/SF/DAY X 8 PITS X 187.7 S.F.

(SEExED MIN. REG.)

SEPTIC TANK = EXISTING = DEMOLISHED
PROPOSED SEPTIC SYSTEM - REPAIR
FOR: RITA BUTLER - FEDERAL ST, BECHARFORD
SCALE: 1" = 90' @ 1 AUGUST 16, 1982

REVISED 5/3/82
DESIGN DATA

Percolation rate 4 min/inch

Proposed Leaching Pit = Rotondo & Sons DW-6 or EQUAL

Dia. = 8.5' (with 12" stone all sides)

Ht. = 5.58' (effective)

BOTTOM AREA

\[ A_B = \pi r^2 \]

\[ = \pi \times 4.25^2 \]

\[ = 56.75 \text{ S.F.} \]

SIDEWALL AREA

\[ A_S = 2 \pi rH \]

\[ = 2 \pi \times 4.25' \times 5.58' \]

\[ = 149.00 \text{ S.F.} \]

BOTTOM LOADING

\[ L_B = 56.75 \text{ L.F.} \times 83 \text{ Gal/S.F.} = 47.1 \]

SIDEWALL LOADING

149.0 S.F. X 2 GAL/S.F. = 298 G.P.D.

Allow loading per pit/day = 345 GAL.

No Pits Req. = \( \frac{330}{345} = .96 \)

WITH 1000 GALLON SEPTIC TANK

SOIL LOG

0 - 6" Loam

6" - 120" Sand/gravel

No G.W. @ 120

Observed perc rate 4 min/inch
Date: 12-22-87
Assessors' Map: 6B
Lot No.: 132
Address: 465 FEDERAL ST. LAKE ARCADIA
Owner's Name: GORDON BOYCE
Address: GOODELL ST. BELCHERTOWN
Occupant's Name: For Sale at the Moment
Lot Size: 1.1 Acres (48,675 Sq. Ft.)
Water Frontage (ft.): None
Residency: Year-round
No. of Occupants: 3
Age of system (yrs.): 1973
No. of Total Rooms: 4
No. of Bedrooms: 2
No. of Bathrooms: 1
Appliances/Connections: Yes dishwasher
No dehumidifier
Yes washing machine
No sump pump
No garbage disposal
No roof or pavement drains
Other: 
Basement/foundation type:
Yes brick or concrete block
Yes dry masonry stone wall
Yes poured concrete wall
Poured concrete floor
Concrete slab on grade
Piers or pilings
Well type:
Yes dug well
Lake
Driven point
Spring or cistern
Drilled rock well
Other:
Depth to well intake from surface (ft.): 20-25

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. Under who's name is plan
Plan filed with Board of Health: titled:

Sewage disposal system:

- cesspool: concrete block steel other

- septic tank: volume (gal.) depth
  length width
  no. covers dia. (in.) covers
  tees baffles
  depth to top tank (ft.)

- distr. box pump or dosing siphon

- leaching pit: no. diam (ft.)
  depth (ft.) cover
  depth to top below grd.

- leaching bed: avg. depth to top (ft.)
  length (ft.) width
  pipe diam (in.) pipe type

- leaching trenches: no. length (ft.)
  depth (in.) width (in.)
  avg. depth to top (ft.)
  pipe diam (in.) pipe type

- reported perc. rate (min./in.) reported avg. depth to groundwater
  (ft.) at leach. area

Yes area remaining for system's replacement

No grey water system

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
subdrainage

Comments on apparent problems: DISTANCE FROM WELL TO SEPTIC SHOULD BE GREATER

Date of last septic tank/cesspool pumping: FEB. 1986
Firm who pumps system: RAY'S EXCAVATING

Anticipated variances for system replacement:

✓ Own well setback
✓ Neighbor's well(s) setback
No Property line(s) setback
No Percolation rate-based design
No Sideslope requirements
No Insufficient available leaching area
No Necessary work within 100-year flood plain
No Necessary work within 100-foot buffer zone

to: ___ lake shore ___ vegetated wetland
     ___ brook or stream ___ other

Levels:

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Lot Sketch: NOTE: EXISTING SYSTEM AND RESERVE AREA ARE WELL OVER 100' FROM LAKE ARCADIA. PROPERTY LINES TO RESERVE AREA ARE ONLY APPROXIMATE.

FEDERAL STREET

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
LAKE ARCADIA
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 1-5-88
Assessors' Map: 6B
Lot No.: 101
Address: 460 FEDERAL ST. LAKE ARCADIO
Owner's Name: WILLIAM DILLARD
Telephone No.: 323-6202

Assessors' Map: 6B
Lot No.: 101
Address: 460 FEDERAL ST. LAKE ARCADIO
Owner's Name: WILLIAM DILLARD
Telephone No.: 323-6202

Occupant's Name: SAME
Lot Size: 0.41 AC. (18,000 Sq. Ft.)
Water Frontage (ft.): 90'

Residency: ✓ year-round
seasonal (if seasonal, estimate number of weeks per year): 

No. of Occupants: 2
Age of system (yrs.): 15 yrs (1973)
No. of Total Rooms: 3
No. of Bedrooms: 1
No. of Bathrooms: 1
Note: 3 bedrooms according to board of health records.

Appliances/Connections: 
✓ dishwasher
✓ washing machine
No dehumidifier
No sump pump
No garbage disposal
No roof or pavement drains
other: 

Basement/foundation type:
✓ brick or concrete block
✓ dry masonry stone wall
✓ poured concrete wall

Well type:
✓ dug well
✓ driven point
✓ drilled rock well
✓ lake
✓ spring or cistern
✓ other: 

Depth to well intake from surface (ft.): 20'

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______  
Plan filed with Board of Health: _______  
Under whose name is plan titled: ____________

Sewage disposal system:

- cesspool: _____ concrete block _____ steel _____ other _______
- septic tank: ______ volume (gal.) ______ depth ______
  length ______ width ______
  2 no. covers ______ 20" diam. (in.) covers ______
  tees ______ baffles ______
  4 depth to top tank (ft.) ______
- distr. box ______ pump or dosing siphon ______
- leaching pit: ______ no. ______ 10'x 10' ______ diam (ft.) ______
  depth (ft.) ______ no. cover ______
  4.5 depth to top below grd. ______
- leaching bed: ______ length (ft.) ______ width ______
  avg. depth to top (ft.) ______
  pipe diam (in.) ______ pipe type ______
- leaching trenches: ______ no. ______ length (ft.) ______
  depth (in.) ______ width (in.) ______
  avg. depth to top (ft.) ______
  pipe diam (in.) ______ pipe type ______

reported perc. rate (min./in.) ______ reported avg. depth to groundwater (ft. +) at leach. area

No. area remaining for system's replacement

No. grey water system ________________

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: WELL H2O IS VERY RUSTY. BATHROOM APPLIANCES ARE 2 WEEKS OLD AND ALREADY ARE STAINED

Date of last septic tank/cesspool pumping: **SUMMER 1987**
Firm who pumps system: **HAYWARD**

Anticipated variances for system replacement:

- [x] Own well setback
- [x] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone

To: [ ] lake shore [ ] vegetated wetland
[ ] brook or stream [ ] other

Levels: **BILLYARD**

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**Application for Disposal Works Construction Permit**

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

**Location** - Address

<table>
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<th>Installer</th>
<th>Address</th>
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<td>William Dillard</td>
<td>Box 239 A, Belchertown MA 01007</td>
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**Type of Building**

- **Dwelling** — No. of Bedrooms: 3
- **Expansion Attic** ( )  
- **Garbage Grinder** ( )  
- **Other** — Type of Building: No. of persons: 8
- **Showers** ( ) — **Cafeteria** ( )

**Design Flow** — gallons per person per day. Total daily flow: 30g.

**Septic Tank** — Liquid capacity: 1000 gallons  
**Length** — Width — Diameter — Depth

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

**Seepage Pit** No. — Diameter: 10 x 10 — Depth below inlet: 1.5 — Total leaching area: 100 sq. ft.

**Other Distribution box** ( ) — **Dosing tank** ( )

**Percolation Test Results** Performed by: **Miles J. Hubler** — Date: 9/19/73

- **Test Pit No. 1** — minutes per inch — Depth of Test Pit: 4.7 — Depth to ground water: 8 feet
- **Test Pit No. 2** — minutes per inch — Depth of Test Pit: 4.7 — Depth to ground water: 8 feet

**Description of Soil**

- 0 - 4" — loam soil, OL loose, V - 36" — silt loam
- 36" - 48" — clean sand, SW loose, some stones

Nature of Repairs or Alterations — Answer when applicable. Present system inadequate.

**Agreement**:

The undersigned agrees to install the aforesaid 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: [Signature]  
Date: Sept 19/73

**Application Approved By**

Date

**Application Disapproved for the following reasons:**

Date

**Permit No.**  
**Issued**  
Date
Note: See "The State Sanitary Code" Art. XI for pit specifications. Dimensions shown are minimum.

SKETCH SHOWING SANITARY SEWAGE DISPOSAL SYSTEM FOR LOT ON FEDERAL ST., BELCHERTOWN

Federal St.

To Belchertown ->

by M.J. Hubler NO SCALE 9-19-73

Lake Arcadia

House

Septic Tank

Drain field 10' x 10'

100'
### OFFICE OF
### BOARD OF HEALTH
### OF THE TOWN OF
### BELCHERTOWN, MASS.

**Application for Permit**

Complete two Forms and Mail to Board of Health.

**Individual Sewage Disposal System**

- **Name:** Dillard, Dellar St.
- **Mailing Address:** Dillard St., Belchertown, Mass.
- **Date:** June 1, 1922

**Location of Property:**

- **Total Number: Bedrooms:** 2; **Bath:** 1; **Basement:** Yes
- **Water Supply by:** Individual System on Site
- **Garbage Grinder:** Yes
- **SOIL IS:** Clay; Sandy Clay

**Percolation Rate** — One inch in 50 minutes.

**Signature of person who made percolation test** — Name: Water, Baldwin

**PRIMARY TREATMENT**

**Septic Tank**

- **Distance from well:** 100 feet
- **Material:** Gravel
- **Total Liquid Capacity:** 300 gallons
- **Inside Length:** 4 feet; **Inside Width:** 2 feet; **Depth:** 1 1/2 feet

**Secondary Treatment:** Distribution Box and Tile Disposal Field

**Tile Disposal Field**

- **Distance from well:** 500 feet
- **Foundation:** 15 feet
- **Nearest Lot Line at Front:** 50 feet

**Seepage Pits**

- **Number of pits:** 5
- **Outside Diameter:** 12 feet
- **Depth:** 4 feet
- **Lining Material:** Gravel
- **Distance from: Well:** 100 feet
- **Foundation:** 15 feet

**NOTE:** Permit will not be granted unless application blanks are completed.

(See Reverse Side)
PLOT PLAN: Include:—

Address and description of property location adequate to direct the inspector: North arrow; boundaries; easements, if any; location of all present or proposed structures on subject plot; all trees which are to remain on the site or are to be planted; all walks and driveways; direction and approximate slope of surface drainage on natural and finished grade; approximate depth of cut or fill, if any, at the location of the proposed disposal field; location of existing or proposed individual water supply and sewage disposal system on adjoining properties and each system to be installed on subject property.

SKETCH BELOW

SEPTIC TANK INSTALLATION MUST BE INSPECTED BEFORE COVERING.

Signature of Inspector: 

Date of Inspection: June 7, 1970
INVENTORY FIELD FORM

Date: Nov. 21, 1987
Assessors' Map: 6B
Address: 46B Federal St., Lake Arcadia
Owner's Name: Charles Tolpa
Address: Same
Occupant's Name: Same
Lot Size: 0.34 ac. (15,225 sq. ft.)
Water Frontage (ft.): 105'

Residency: ✓ year-round
No. of Occupants: 3
No. of Total Rooms: 4
No. of Bedrooms: 2
No. of Bathrooms: 1

Appliances/Connections:
✓ washing machine
NO dishwasher
NO dehumidifier
NO sump pump
NO garbage disposal
NO roof or pavement drains
other:

Basement/foundation type:
✓ poured concrete wall
brick or concrete block
dry masonry stone wall
poured concrete floor
concrete slab on grade
piers or pilings

Well type:
✓ dug well
✓ lake
driven point
spring or cistern
drilled rock well
other:

Depth to well intake from surface (ft.):
Prior septic system inspection no.  
Plan filed with Board of Health:  

Under who's name is plan titled: 

Sewage disposal system:

- cesspool: [ ] concrete block [ ] steel [ ] other [ ]
- septic tank: [ ] volume (gal.) [ ] depth [ ]
  [ ] length [ ] width
  [ ] no. covers [ ] diam. (in.) covers
  [ ] tees [ ] baffles
  [ ] 2-3 depth to top tank (ft.)
- distr. box [ ] pump or dosing siphon
- leaching pit: [ ] no. [ ] diam (ft.)
  [ ] depth (ft.) [ ] cover
  [ ] depth to top below grd.
- leaching bed: [ ] length (ft.) [ ] width
  [ ] avg. depth to top (ft.)
  [ ] pipe diam (in.) [ ] pipe type
- leaching trenches: [ ] no. [ ] length (ft.)
  [ ] depth (in.) [ ] width (in.)
  [ ] avg. depth to top (ft.)
  [ ] pipe diam (in.) [ ] pipe type

- reported perc. rate (min./in.) [ ] reported avg. depth to groundwater (ft. +) at leach. area

- area remaining for system's replacement
- grey water system

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
subdrainage

Comments on apparent problems: PUMPED ONCE/YEAR

Date of last septic tank/cesspool pumping: NOV 28, 1987
Firm who pumps system: LATOUR OR HAYWARD

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

to: lake shore

vegetated wetland

brook or stream

other

Levels:

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ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch: NOTE: No information available about any leaching area.
Estimated 112' E to MILESKI'S WELL

Lake Arcadia

Mileski

FS468

Tool Shed

Reserve Area

Federal Street

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
**INVENTORY FIELD FORM**

**Date:** 12-18-87  
**Inspector(s):** JBB/JMI  
**Lot No.:** 133  
**Assessors’ Map:** GB  
**Address:** 473 FEDERAL ST LAKE ARCADIA  
**Owner's Name:** MARY MEDEREK  
**Telephone No.:** 323-7048  
**Occupant's Name:** SAME  
**Lot Size:** 0.97 AC. (42,500 sq.ft.)  
**Water Frontage (ft.):** NONE  
**Residency:** ✓ year-round  
**seasonal (if seasonal, estimate number of weeks per year):**  
**No. of Occupants:** 2  
**Age of system (yrs.):** < 20 YRS.  
**No. of Total Rooms:** 9  
**No. of Bedrooms:** 4  
**No. of Bathrooms:** 2  
**Appliances/Connections:** ✓ dishwasher  
✓ washing machine  
NO dehumidifier  
NO sump pump  
NO garbage disposal  
NO roof or pavement drains  
其他：  
**Basement/foundation type:** ✓ brick or concrete block  
NO dry masonry stone wall  
NO poured concrete wall  
**Well type:** ✓ dug well  
NO driven-point  
NO drilled rock well  
NO lake  
NO spring or cistern  
其他：  
**Depth to well intake from surface (ft.):** 75

M3A-6  
ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ________  Under who's name is plan titled: __________________________

Plan filed with Board of Health: ________  Sewage disposal system:

___ cesspool: ____ concrete block  ____ steel  ____ other _________

___ septic tank: 1000 volume (gal.)  depth

___ length

___ width

___ no. covers

___ diam. (in.) covers

___ tees

___ baffles

2½-3' depth to top tank (ft.)

___ distr. box  ____ pump or dosing siphon

___ leaching pit: 2 no.  depth (ft.)  EACH cover

___ diam (ft.)

___ depth to top below grd.

___ leaching bed:   ___ length (ft.)  width

___ avg. depth to top (ft.)

___ pipe diam (in.)  pipe type

ORANGEBURG.

___ leaching trenches:  ___ no.  length (ft.)

___ depth (in.)  width (in.)

___ avg. depth to top (ft.)

___ pipe diam (in.)  pipe type

___ reported perc. rate (min./in.)  ___ reported avg. depth to groundwater (ft. +) at leach. area

√ area remaining for system's replacement

___ grey water system

M3A-6  ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: 2 YRS.
Firm who pumps system: TETRAJLT

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

To: _____ lake shore  _____ vegetated wetland  _____ brook or stream  _____ other

Levels:

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BM: U.P. # 96/243

S. TANK & GUD
GND @ LEACH PITS
INVERT OUT. — 1.0 + FROM FLR.

BASEMENT FLR.
GND @ LEACH FIELD
GND @ RESERVE AREA
LAKE ELEV.

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Date: DEC. 12, 1987
Inspectors: SBE / SM

Assessors' Map: 6B
Lot No.: 103

Address: 474 FEDERAL ST
Owner's Name: PEG MILESKI
Telephone No.: 323-7321

Occupant's Name: SAME (if different from above)

Lot Size: 0.26 AC. (11,500 sq. ft.)
Water Frontage (ft.): 115'

Residency: year-round
seasonal (if seasonal, estimate number of
weeks per year):

No. of Occupants: 4
Age of system (yrs.): 25'

No. of Total Rooms: 7
No. of Bedrooms: 3
No. of Bathrooms: 1

Appliances/Connections:

☐ dishwasher
☐ dehumidifier

☐ washing machine
☐ sump pump

☐ garbage disposal
☐ roof or pavement drains

☐ other: ______________________________________

Basement/foundation type:

☐ brick or concrete block
☐ poured concrete floor

☐ dry masonry stone wall
☐ concrete slab on grade

☐ poured concrete wall
☐ piers or pilings

☐ lake

Well type:

☐ dug well 3' MLE

☐ driven-point
☐ spring or cistern

☐ drilled rock well
☐ other: ___________________

Depth to well intake from surface (ft.): 22'

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ________
Plan filed with Board of Health: ________
Under who's name is plan titled: ________

Sewage disposal system:

- cesspool: ________
- concrete block: ________
- steel: ________
- other: ________

- septic tank: ________
/ volume (gal.) ________
- depth ________
- length ________
- width ________
- no. covers ________
- diam. (in.) covers ________
- tees ________
- baffles ________

/ 8-20'' depth to top tank (ft.) ________

- distr. box ________
- pump or dosing siphon ________

- leaching pit: ________
/ no. ________
- diam (ft.) ________
- depth (ft.) ________
- cover ________
- depth to top below grd. ________

/ leaching bed: ________
/ length (ft.) ________
/ 2 or 3 pipes ________
/ width ________
/ 2-3 avg. depth to top (ft.) ________
/ 4” pipe diam (in.) ________
/ PVC? pipe type ________

- leaching trenches: ________
/ no. ________
- length (ft.) ________
- depth (in.) ________
- width (in.) ________
- avg. depth to top (ft.) ________
- pipe diam (in.) ________
- pipe type ________

- reported perc. rate (min./in.) <2'' ________
- reported avg. depth to groundwater ________
- at leach. area ________

/ area remaining for system's replacement ________

/ grey water system ________
/ DRY WELL ________
/ WASHING MACHINE ________
/ & 1 SHOWER (SUMMER USE ONLY) ________

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
subdrainage: NONE

Comments on apparent problems: CHEMICAL ADDITIVES TO S. TANK QUESTED.

Date of last septic tank/cesspool pumping: Nov., 1987

Firm who pumps system: HAYWARD

Anticipated variances for system replacement: No RESERVE AREA

- Own well setback
- Neighbor's well(s) setback
- NO Property line(s) setback
- NO Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- NO Necessary work within 100-year flood plain
- YES Necessary work within 100-foot buffer zone

to: YES lake shore  NO vegetated wetland

NO brook or stream  YES other

Levels:

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| 321.04 | BASEMENT FLR. 8' | INVERT OUT "60"
| 325.74 | | SILL
| 2.74 | 329.04 | 3rd C TANK
| 4.60 | 327.18 | 3rd C LEACH
| 5.39 | 326.39 | No RESERVE AREA
| 6.50 | 325.28 | 3rd C DRY WELL
| Closeout | 2.79 | 328.99 |

BM: T.D. # 96/243
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA
SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 1-19-88

Assessors' Map: 6B
Lot No.: 134, 137

Address: 479 FEDERAL ST.

Owner's Name: HENRY PRANAITIS
Telephone No.: 323-7597

Occupant's Name: SAME (if different from above)

Lot Size: 0.86 AC. (37,825 Sq. Ft.)

Residency: ☑ year-round

No. of Occupants: 1

No. of Total Rooms: 2
No. of Bedrooms: 1
No. of Bathrooms: 1

Appliances/Connections:
- ☑® dishwasher
- ☑® dehumidifier
- ☑® washing machine
- ☑® sump pump
- ☑® garbage disposal
- ☑® roof or pavement drains
- ☑® other:

Basement/foundation type:
- ☑® brick or concrete block
- ☑® dry masonry stone wall
- ☑® poured concrete wall
- ☑® poured concrete floor
- ☑® concrete slab on grade
- ☑® piers or pilings
- ☑® lake
- ☑® spring or cistern
- ☑® drilled rock well
- ☑® other:

Depth to well intake from surface (ft.): 21'

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
Prior septic system inspection no. __________
Plan filed with Board of Health: __________
Under whose name is plan titled: __________

Sewage disposal system:

- cesspool: _____ concrete block _____ steel _____ other _______

- septic tank: 
  - metal
  - wood/tar (2 coats)

  - 500 volume (gal.)
  - depth
  - width
  - length
  - no. covers
  - diameter (in.) covers oblong
  - depth to top tank (ft.)

- distr. box: _____ pump or dosing siphon

- leaching pit: 
  - cinder blocks
  - 1 depth (ft.)
  - 1 depth to top below grd.

- leaching bed: 
  - length (ft.)
  - width
  - avg. depth to top (ft.)
  - pipe diam (in.)

- leaching trenches: 
  - no.
  - length (ft.)
  - depth (in.)
  - avg. depth to top (ft.)
  - pipe diam (in.)

- reported perc. rate (min./in.)

- reported avg. depth to groundwater (ft. +) at leach. area

**Yes** area remaining for system's replacement

**None** grey water system

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M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: \textit{Can not drink water or wash clothes due to iron staining.}

Date of last septic tank/cesspool pumping: \textit{1 yr}

Firm who pumps system: \textit{Steve Rock Bay Rd, B Town}

Anticipated variances for system replacement:

- [ ] Own well setback
- [ ] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone

To:  
- [ ] Lake shore
- [ ] Vegetated wetland
- [ ] Brook or stream
- [ ] Other

Levels:

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BM: 562.97
Lot Sketch:

- **Well O8**
- **GAR**
- **479 FEDERAL ST.**
- **FEDERAL STREET**
- **LAKE, ARCADIA**

Note: System set in drainage swale.

- Reserve area
- 15'
- 11.5'
- To neighbor's well

Location of well system unknown but is 100'+
**ARCADIA AND METACOMET LAKES**
**BELCHERTOWN, MA**

**SEPTIC SYSTEMS MANAGEMENT STUDY**

**INVENTORY FIELD FORM**

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<th>Inspector(s): 368/3M1</th>
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<td>Assessors' Map:</td>
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<tr>
<td>Address: LAKE ARCADIA 501 FEDERAL ST</td>
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<td>Owner's Name: RUBY KOSIRA</td>
<td>Telephone No.: 323-6277</td>
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<td>Address: 501 FEDERAL ST</td>
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<td>Residency: x year-round</td>
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<td>No. of Occupants: 2</td>
<td>Age of system (yrs.): TANK 35 YRS - BEST REBUILT 12 YRS AGO</td>
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<td>No. of Total Rooms: 5</td>
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<td>Appliances/Connections:</td>
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<td>No dishwasher</td>
<td>No dehumidifier</td>
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<td>✓ washing machine</td>
<td>✓ sump pump</td>
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<td>No garbage disposal</td>
<td>No roof or pavement drains</td>
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<td>concrete slab on grade</td>
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<td>Well type:</td>
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<td>Depth to well intake from surface (ft.): 22</td>
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M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS · ENGINEERS · LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______ Under who's name is plan filed with Board of Health: _______ titled: _______________________

Sewage disposal system:

___ cesspool:  √ concrete block  ___ steel  ___ other _________

√ septic tank:   

OLD HOLDING TANK

___ volume (gal.)  ___ depth
___ length  ___ width
___ no. covers  ___ diam. (in.) covers
___ tees  ___ baffles
___ depth to top tank (ft.)

___ distr. box  ___ pump or dosing siphon

___ leaching pit:   

___ no.  ___ diam (ft.)
___ depth (ft.)  ___ cover
___ depth to top below grd.

√ leaching bed:  ___ length (ft.)  ___ width

3 avg. depth to top (ft.)

___ pipe diam (in.)  ___ pipe type

___ leaching trenches:   

___ no.  ___ length (ft.)
___ depth (in.)  ___ width (in.)
___ avg. depth to top (ft.)
___ pipe diam (in.)  ___ pipe type

___ reported perc. rate (min./in.)  ___ reported avg. depth to groundwater (ft. ′) at leach. area

___ area remaining for system's replacement

√ grey water system NEVER CONNECT WASHING MACHINE.
Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: 1983

Firm who pumps system: Haviland

Anticipated variances for system replacement: No Reserve Area

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone
to: lake shore vegetated wetland brook or stream other

Levels:

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<td>2.92</td>
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<td>3.63</td>
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<tr>
<td>3.03</td>
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<tr>
<td>3.10</td>
<td>313.32</td>
<td></td>
</tr>
<tr>
<td>3.02</td>
<td>312.32</td>
<td></td>
</tr>
</tbody>
</table>
**INVENTORY FIELD FORM**

**Date:** 12-17-87  
**Inspector(s):** JBB/JME  
**Lot No.:** 10

**Address:** 525 FEDERAL ST.  
**Telephone No.:** 323-7650

**Owner's Name:** LESTER ELY  
**Telephone No.:** 323-7650

**Lot Size:** 2.5 AC. (110,000 sq. ft.)

**Residency:** ✓ year-round  

**Seasonal (if seasonal, estimate number of weeks per year):**

**No. of Occupants:** 7  
**Age of system (yrs.):** 10 yrs.

**No. of Total Rooms:** 7  
**No. of Bedrooms:** 4  
**No. of Bathrooms:** 1

**Appliances/Connections:**  
☐ dishwasher  
☐ washing machine  
☐ garbage disposal  
☐ other:

**Basement/Foundation type:**  
☐ brick or concrete block  
☐ dry masonry stone wall  
✓ poured concrete wall

**Well type:**  
✓ dug well  
☐ driven point  
☐ drilled rock well

**Depth to well intake from surface (ft.):** 12’

**SEPTIC SYSTEM MAY BE NEAR-GROUNDWATER TABLE**
Prior septic system inspection no. Under who's name is plan titled:

Plan filed with Board of Health:

Sewage disposal system:

<table>
<thead>
<tr>
<th>Cesspool</th>
<th>Concrete block</th>
<th>Steel</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Cesspool: [ ]
- Concrete block: [ ]
- Steel: [ ]
- Other: [ ]

<table>
<thead>
<tr>
<th>Septic tank</th>
<th>Volume (gal.)</th>
<th>Depth</th>
<th>Length</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1000</td>
<td></td>
<td></td>
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</tbody>
</table>

- Septic tank: [ ]
- Volume: 1000 gal.
- Depth: [ ]
- Length: [ ]
- Width: [ ]

<table>
<thead>
<tr>
<th>No. covers (EACH TANK)</th>
<th>Diam. (in.) covers</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

- No. covers: 2 (each tank)
- Diam. (in.) covers: [ ]

<table>
<thead>
<tr>
<th>Depth to top tank (ft.)</th>
<th>Baffles</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[ ]</td>
</tr>
</tbody>
</table>

- Depth to top tank: [ ] ft.
- Baffles: [ ]

<table>
<thead>
<tr>
<th>Distrib. box</th>
<th>Pump or dosing siphon</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Distrib. box: [ ]
- Pump or dosing siphon: [ ]

<table>
<thead>
<tr>
<th>Leaching pit</th>
<th>No.</th>
<th>1000 GAL. TANK</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Diam (ft.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

- Leaching pit: [ ]
- No.: [ ]
- 1000 GAL. TANK: [ ]
- Diam (ft.): [ ]
- Cover: 24''

<table>
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<th>Depth (ft.)</th>
<th>Depth to top below grad.</th>
<th>Diam (ft.)</th>
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<tbody>
<tr>
<td>3</td>
<td></td>
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- Depth: [ ] ft.
- Depth to top below grad.: [ ] ft.
- Diam (ft.): [ ]

<table>
<thead>
<tr>
<th>Leaching bed</th>
<th>Length (ft.)</th>
<th>Width</th>
<th>Avg. depth to top (ft.)</th>
<th>Pipe diam (in.)</th>
<th>Pipe type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

- Leaching bed: [ ]
- Length: [ ] ft.
- Width: [ ]
- Avg. depth to top: [ ] ft.
- Pipe diam: [ ] in.
- Pipe type: [ ]

<table>
<thead>
<tr>
<th>Leaching trenches</th>
<th>No.</th>
<th>Length (ft.)</th>
<th>Depth (in.)</th>
<th>Width (in.)</th>
<th>Avg. depth to top (ft.)</th>
<th>Pipe diam (in.)</th>
<th>Pipe type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Leaching trenches: [ ]
- No.: [ ]
- Length: [ ] ft.
- Depth: [ ] in.
- Width: [ ] in.
- Avg. depth to top: [ ] ft.
- Pipe diam: [ ] in.
- Pipe type: [ ]

<table>
<thead>
<tr>
<th>Reported perc. rate (min./in.)</th>
<th>Reported avg. depth to groundwater (ft.) at leach. area</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Reported perc. rate: [ ] min./in.
- Reported avg. depth to groundwater: [ ] ft.

<table>
<thead>
<tr>
<th>Area remaining for system's replacement</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

- Area remaining: [ ]

- Grey water system: [ ]
- None: [ ]
subdrainage: NONE

Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: APRIL, 1987
Firm who pumps system: CARL'S EXCAVATION

Anticipated variances for system replacement:

✓ Own well setback
NO Neighbor's well(s) setback
NO Property line(s) setback
NO Percolation rate-based design
NO Sideslope requirements
NO Insufficient available leaching area
NO Necessary work within 100-year flood plain
NO Necessary work within 100-foot buffer zone

to: lake shore
vegetated wetland
brook or stream
other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>HI</th>
<th>-</th>
<th>Elev.</th>
<th>BM: U.P. # 40K/15520/240/99</th>
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<td>TURN POINT</td>
</tr>
<tr>
<td>3.95</td>
<td>322.11</td>
<td>5.98</td>
<td></td>
<td>INVERT OUT (1.9)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BASEMENT FLR. (56)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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<td>SILL</td>
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<td>GND @ S. TANK</td>
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<tr>
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<td>2.12</td>
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<td>GND @ LEACH PIT + RESERVE</td>
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<tr>
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<td>1.69</td>
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<td></td>
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<td>314.26</td>
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<td></td>
</tr>
</tbody>
</table>

SEPTIC SYSTEM MAY BE NEAR GROUNDWATER TABLE
Lot Sketch:

- Lake Arcadia
- Federal Street
- Metacomet Street

No other wells observed within 100' of leach pit.

House
Well 12' 120'

Shed

S. Tank 132'

Reserve

Leach Pit

Land of Horse to the West
**INVENTORY FIELD FORM**

**Date:** FEB. 4, 1988  
**Inspector(s):** MT / JBB  
**Assessors' Map:** 68  
**Lot No.:** 12, 163, 164  
**Address:** 535 FEDERAL STREET  
**LAKE ARCADIA**  
**Owner's Name:** EDWARD BENNET  
**Telephone No.:** 536-4951  
**Address:** 156 S. MAIN ST., S. HADLEY FALLS, MA. 01075  
**Occupant's Name:** LYNDON HODGE 323-5583 (if different from above)  
**Lot Size:** 0.32 AC (14,350 SQ Ft.)  
**Water Frontage (ft.):** NONE  

**Residency:** ✓ year-round  
**seasonal (if seasonal, estimate number of weeks per year):**  
**No. of Occupants:**  
**Age of system (yrs.):** 1960 (27 yrs.)  
**No. of Total Rooms:**  
**No. of Bedrooms:** 4  
**No. of Bathrooms:** 2  

**Appliances/Connections:**  
- NO dishwasher  
- NO dehumidifier  
- NO washing machine  
- NO sump pump  
- NO garbage disposal  
- NO roof or pavement drains  
- other:  

**Basement/foundation type:**  
- ✓ brick or concrete block  
- dry masonry stone wall  
- poured concrete wall  
- poured concrete floor  
- concrete slab on grade  
- piers or pilings  

**Well type:**  
- dug well  
- driven point  
- drilled rock well  
- lake  
- spring or cistern  
- other:  

**Depth to well intake from surface (ft.):**  

---

ARCADIA AND METACOMET LAKES  
BELCHERTOWN, MA  

SEPTIC SYSTEMS MANAGEMENT STUDY  

RECOMMENDED SEPTIC SYSTEM ALTERNATIVE  

NO. 5  

ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ______ Under who's name is plan titled: ________
Plan filed with Board of Health: ________

Sewage disposal system:

- cesspool: ______ concrete block ______ steel ______ other ______
- septic tank: ______ volume (gal.) ______ depth
  POSSIBLY
  PATENAUDE
  SYSTEM
  ______ length ______ width
  ______ no. covers ______ diam. (in.) covers
  ______ tees ______ baffles
  ______ depth to top tank (ft.)
- distr. box ______ pump or dosing siphon
- leaching pit: ______ no. ______ diam (ft.)
  ______ depth (ft.) ______ cover
  ______ depth to top below grd.
- leaching bed: ______ length (ft.) ______ width
  ______ avg. depth to top (ft.)
  ______ pipe diam (in.) ______ pipe type
- leaching trenches: ______ no. ______ length (ft.)
  ______ depth (in.) ______ width (in.)
  ______ avg. depth to top (ft.)
  ______ pipe diam (in.) ______ pipe type
- reported perc. rate (min./in.) ______ reported avg. depth to groundwater (ft. +) at leach. area
- area remaining for system's replacement
- grey water system
Comments on apparent problems: **NONE**

Date of last septic tank/cesspool pumping: **UNKNOWN**

Firm who pumps system: **UNKNOWN**

**Anticipated variances for system replacement: RELOCATE ARTISIAN WELL**

[ ] Own well setback
[ ] Neighbor’s well(s) setback
[ ] Property line(s) setback
[ ] Percolation rate-based design
[ ] Sideslope requirements
[ ] Insufficient available leaching area
[ ] Necessary work within 100-year flood plain
[ ] Necessary work within 100-foot buffer zone

to:  

[ ] lake shore  [ ] vegetated wetland

[ ] brook or stream  [ ] other

**Levels:**

<table>
<thead>
<tr>
<th>+</th>
<th>HI Elev.</th>
<th>- Elev.</th>
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<td></td>
<td>1.51</td>
<td>324.50</td>
</tr>
</tbody>
</table>

BM: U.POLE #239/00

GND. B SEPTIC TANK

GND. B LEACH PIT +

SILL OF HOUSE

TOP. OF FOOTING

WASTE PIPE NOT VISIBLE

LAKE LEVEL

BM: CLOSEOUT
Lot Sketch:

Empty Lot

Septic system on this lot is 100' to house's well. Well on this lot is 150' to house's septic system.

Land of Ely

House

WELL

PIT

Reserve

Tank

20'

FEDERAL STREET

135'

106'

97'

PIT

RAINAR

WELL

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
LAKE ARCADIA
OFFICE OF
BOARD OF HEALTH
OF THE TOWN OF
BELCHERTOWN, MASS.

Application for Permit
Complete two Forms and Mail to Board of Health.

Individual Sewage Disposal System

Date Oct 31, 1960

Name: Edward Remoat


Total Number: Bedrooms 6; Bath 2; Basement: Yes X No .

Water Supply by: Public Community Individual System on Site .

Garbage Grinder: Yes No X Automatic Washing Machine: Yes No X

SOIL IS: Loam; Sandy Loam Coarse Sand or Gravel X

Clay; Sandy Clay Hardpan; Rock; Other.

Percolation Rate — One inch in . minutes.

Signature of person who made percolation test — Name

Address: Metacomet, Ltd.

PRIMARY TREATMENT

Septic Tank

Distance from well: 400 feet; Material: Concrete X No. Compartments 4.

Total Liquid Capacity: 960 gallons.

Inside Length: 4.0 Feet; Inside Width: 4.0 Feet; Depth: 4.0 Feet.

Secondary Treatment: Distribution Box and, Tile Disposal Field

Seeage Pits X Other

Tile Disposal Field

Distance from well . Feet; Foundation . Feet; Nearest Lot Line at Front: .

Side Rear: . Feet.


Length of each line: . Feet. Depth, Top of tile to finish grade . inches.

Type of filter material: Gravel X Broken stone; Cinders Other

Depth of filter material beneath tile: . inches.

Depth of filter material over tile: . inches.

Seeage Pits

Number of pits: 1 Outside Diameter . Feet; Depth . Feet. Lining Material .

Distance from: Well 120 Feet; Foundation 160 Feet; Nearest Lot Line:

at Front ; Side ; Rear ; Feet.

NOTE: Permit will not be granted unless application blanks are completed.

(See Reverse Side)
PLOT PLAN: Include:

Address and description of property location adequate to direct the inspector: North arrow; boundaries; easements, if any; location of all present or proposed structures on subject lot; all trees which are to remain on the site or are to be planted; all walks and driveways; direction and approximate slope of surface drainage; approximate depth of cut or fill, if any, at the location of the proposed disposal field; location of existing or proposed individual water supply and sewage disposal systems on adjoining properties and each system to be installed on subject property.

SKETCH BELOW

SEPTIC TANK INSTALLATION MUST BE INSPECTED BEFORE COVERING.

Signature of Inspector: 1-9-67

Date of Inspection: R.C. Grey
**INVENTORY FIELD FORM**

**Date:** 12/30/87  
**Inspector(s):**  
**Assessors' Map:** C  
**Lot No.:** 109  
**Address:** 536 FEDERAL ST. LAKE ARCADIA  
**Owner's Name:** DOROTHY & JOSEPH GENETTI  
**Telephone No.:** 223-7647  
**Address:** 536 FEDERAL ST. LAKE ARCADIA  
**Occupant's Name:** SAME (if different from above)  
**Lot Size:** 0.11 AC. (5,000 SQ FT)  
**Water Frontage (ft.):** 100'  

**Residency:** ✓ year-round  
**seasonal (if seasonal, estimate number of weeks per year):**  
**No. of Occupants:** 2  
**Age of system (yrs.):** 4  
**No. of Total Rooms:** 6  
**No. of Bedrooms:** 4  
**No. of Bathrooms:** 1  

**Appliances/Connections:**  
✓ washing machine  
- dishwasher  
- dehumidifier  
- sump pump  
- garbage disposal  
- roof or pavement drains  
- other:  

**Basement/foundation type:**  
✓ brick or concrete block on ground  
- dry masonry stone wall  
- poured concrete wall  
- poured concrete floor  
- concrete slab on grade  
- piers or pilings  

**Well type:**  
✓ dug well  
- driven point  
- drilled rock well  
- lake  
- spring or cistern  
- other:  

**Depth to well intake from surface (ft.):**  

---

**M3A-6**  
**ALMER HUNTLEY, JR., & ASSOCIATES, INC.**  
**SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS**
Prior septic system inspection no. ______
Plan filed with Board of Health: ______
Under who's name is plan ______
titled: ______________________

Sewage disposal system: PUT IN BY KARL'S EXCAVATING

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>cesspool</td>
<td>concrete block, steel, other</td>
</tr>
<tr>
<td>septic tank</td>
<td>? volume (gal.), depth, length, no. covers,</td>
</tr>
<tr>
<td></td>
<td>diam. (in.) covers, tees, depth to top</td>
</tr>
<tr>
<td>distr. box</td>
<td>pump or dosing siphon</td>
</tr>
<tr>
<td>leaching pit</td>
<td>2 no., diam (ft.), depth (ft.), depth to</td>
</tr>
<tr>
<td></td>
<td>top below grd.</td>
</tr>
<tr>
<td>leaching bed</td>
<td>length (ft.), width, avg. depth to top</td>
</tr>
<tr>
<td></td>
<td>pipe diam (in.), pipe type</td>
</tr>
<tr>
<td>leaching trenches</td>
<td>no., length (ft.), depth (in.), width,</td>
</tr>
<tr>
<td></td>
<td>avg. depth to top (ft.), pipe diam (in.),</td>
</tr>
<tr>
<td></td>
<td>pipe type</td>
</tr>
<tr>
<td>reported perc. rate (min./in.)</td>
<td>reported avg. depth to groundwater (ft. +)</td>
</tr>
<tr>
<td>depth to top below grd.</td>
<td>at leach. area</td>
</tr>
</tbody>
</table>

area remaining for system's replacement

None grey water system
subdrainage: **NONE**

Comments on apparent problems: **NONE**

Date of last septic tank/cesspool pumping: **2 YRS**

Firm who pumps system: **HAYWARD**

Anticipated variances for system replacement: **NO RESERVE AREA**

- **NO** Own well setback
- **NO** Neighbor's well(s) setback
- **NO** Property line(s) setback
- **NO** Percolation rate-based design
- **NO** Sideslope requirements
- **✓** Insufficient available leaching area
- **✓** Necessary work within 100-year flood plain
- **✓** Necessary work within 100-foot buffer zone

To: **✓** Lake shore  _____ Vegetated wetland
   _____ Brook or stream  _____ Other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>HI</th>
<th>-</th>
<th>Elev.</th>
<th>BM:</th>
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<td><strong>GND @ S. TANK</strong></td>
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</tr>
<tr>
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<td>326.46</td>
<td><strong>GND @ LEACH PITS + RESERVE</strong></td>
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<tr>
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<td>7.10</td>
<td>311.67</td>
<td><strong>GND @ INY OUT</strong></td>
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<td><strong>CLOSEOUT</strong></td>
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</table>

**BM:** ______

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAND OF LEMIRE

LAND OF RAINAUD (VACANT LOT)

2 L. PITS

S. TANK

NO OTHER WELLS OBSERVED WITHIN 100' S. SYSTEM

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Date:  7-20-92

Owner's Name:  Arthur Lincoln
Address:  969 Federal St.

Occupant's Name:  Same

Lot Size:  0.29 AC. (12,625 sq. ft.)
Water Frontage (ft.):  170'

Residency:  Year-round

No. of Occupants:  2
Age of System (yrs.):  10

No. of Total Rooms:  4
No. of Bedrooms:  2
No. of Bathrooms:  1 1/2

Appliances/Connections:

- dishwasher
- washing machine
- garbage disposal
- dehumidifier
- sump pump

No. of Bathrooms:  1 1/2

Basement/Foundation type:

- brick or concrete block
- dry masonry stone wall
- poured concrete wall

Well type:

- dug well
- driven point
- drilled rock well

Depth to Well Intake from Surface (ft.):  20-25
Prior septic system inspection no. ________  Under who's name is plan titled: ________________

Plan filed with Board of Health: ________  

Sewage disposal system:

____ cesspool:  ____ concrete block  ____ steel  ____ other ____________

✓ septic tank: 600 volume (gal.)  

  □ concrete  

  □ length  

  □ depth  

  □ width  

  □ no. covers  

  □ tees  

  □ 30" diam. (in.) covers  

  □ 2 baffles  

  □ depth to top tank (ft.)  

____ distr. box  ____ pump or dosing siphon

✓ leaching pit: 1 no.  

  □ 4 diam (ft.)  

  □ 1 cover  

  □ 2 depth (ft.)  

  □ depth to top below grd.  

____ leaching bed:  ____ length (ft.)  

  □ width  

  □ avg. depth to top (ft.)  

  □ pipe diam (in.)  

  □ pipe type  

____ leaching trenches:  ____ no.  

  □ length (ft.)  

  □ depth (in.)  

  □ width (in.)  

  □ avg. depth to top (ft.)  

  □ pipe diam (in.)  

  □ pipe type  

____ reported perc. rate (min./in.)  ____ reported avg. depth to groundwater (ft. +) at leach. area  

____ area remaining for system's replacement

✓ grey water system  The original leach field and only the downstairs sink empties into it. All other utilities in basement are pumped into new system.

M3A-6  

ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
- subdrainage

Comments on apparent problems: weed growth

Date of last septic tank/cesspool pumping: 4 yrs
Firm who pumps system: Hayward

Anticipated variances for system replacement:

- ✓ Own well setback
- ✓ Neighbor's well(s) setback
- ✓ Property line(s) setback
- ✓ Insufficient available leaching area

- NO Percolation rate-based design
- NO Sideslope requirements
- NO Necessary work within 100-year flood plain
- NO Necessary work within 100-foot buffer zone

to: __ lake shore __ vegetated wetland
     __ brook or stream __ other

Levels:

<table>
<thead>
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<td>GWD @ S. TANK</td>
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<td>GND @ WASTE PIPE OUT</td>
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<td>73&quot; B FLOOR</td>
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ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Date: JULY 25, 1982
Assessors' Map: Lot
Address: S40 FEDERAL ST.
Owner's Name: EDWIN OSNASKI
Telephone No.: 526-4176

Inspector(s): SEB / JDC
Lot No.: 112 + 113

Lot Size: 0.20AC. (9,100 Sq.Ft.)
Water Frontage (ft.): 50' +

Residency: __ year-round
seasonal (if seasonal, estimate number of weeks per year): JULY - SEPT.

Occupant's Name: SAME

No. of Occupants: 1
Age of system (yrs.): __________

No. of Total Rooms: 4
No. of Bedrooms: 2
No. of Bathrooms: 1

Appliances/Connections:

- NO dishwasher
- NO dehumidifier
- NO washing machine
- NO sump pump
- NO garbage disposal
- NO roof or pavement drains
- NO other:

Basement/foundation type:

- ✔ brick or concrete block
- ☐ dry masonry stone wall
- ☐ poured concrete wall
- ☐ other:

Well type:

- ✔ dug well
- ☐ driven point
- ☐ drilled rock well
- ☐ lake
- ☐ spring or cistern
- ☐ other:

Depth to well intake from surface (ft.): 20'-25'

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______  Under who's name is plan
titled: _____________________________

Plan filed with Board of Health: _______

Sewage disposal system:

☑ cesspool: ______ concrete block ______ steel ______ other _______

☐ septic tank: ______ volume (gal.) ______ depth
☐ length ______ width
☐ no. covers ______ diam. (in.) covers
☐ tees ______ baffles
☐ depth to top tank (ft.)

☐ distr. box ______ pump or dosing siphon

☐ leaching pit: ______ no. ______ diam (ft.)
☐ 11' depth (ft.) 1 heart slab
cement slab
☐ depth to top below grd.

☐ leaching bed: ______ length (ft.) ___________ width
☐ avg. depth to top (ft.)
☐ pipe diam (in.) ______ pipe type

☐ leaching trenches: ______ no. ______ length (ft.)
☐ depth (in.) ______ width (in.)
☐ avg. depth to top (ft.)
☐ pipe diam (in.) ______ pipe type

☐ reported perc. rate (min./in.) ______ reported avg. depth to groundwater
☐ (ft. +) at leach. area

☐ NO area remaining for system's replacement

☐ NO grey water system

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
I.D. No. __________

Comments on apparent problems:

Date of last septic tank/cesspool pumping:

Firm who pumps system:

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

Levels:

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M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

ARCADIA LAKE

NO RESERVE AREA AVAILABLE UNLESS WELLS MOVED

TIGHT TANK ON THIS PROPERTY

WELL Q

CESSPOOL

DUG WELL

LAND OF AIKENHEAD

LAND OF LEMIRE

FEDERAL ST.

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
**ARCADIA AND METACOMET LAKES**  
**BELCHERTOWN, MA**

**SEPTIC SYSTEMS MANAGEMENT STUDY**

**INVENTORY FIELD FORM**

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
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<tbody>
<tr>
<td>Date:</td>
<td>1-22-88</td>
</tr>
<tr>
<td>Inspector(s):</td>
<td>JMJ/TBB</td>
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<tr>
<td>Assessor's Map:</td>
<td>GB</td>
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<tr>
<td>Lot No.:</td>
<td>13</td>
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<tr>
<td>Address:</td>
<td>541 FEDERAL STREET LAKE ARCADIA</td>
</tr>
<tr>
<td>Owner's Name:</td>
<td>MARJORIE RAIAUD</td>
</tr>
<tr>
<td>Telephone No.:</td>
<td>323-4474</td>
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<tr>
<td>Address:</td>
<td>SAME</td>
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<tr>
<td>Occupant's Name:</td>
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<tr>
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<td>Water Frontage (ft.):</td>
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<tr>
<td>Residency:</td>
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<tr>
<td>No. of Occupants:</td>
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<td>Age of system (yrs.):</td>
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<td>No. of Bedrooms:</td>
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<td>No. of Bathrooms:</td>
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<td>Appliances/Connections:</td>
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<td>dishwasher</td>
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<td>washing machine</td>
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<td>garbage disposal</td>
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<td>Basement/foundation type:</td>
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<td>brick or concrete block</td>
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<td>dry masonry stone wall</td>
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<td>poured concrete wall</td>
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<td>Depth to well intake from surface (ft.):</td>
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**ALMER HUNTLEY, JR., & ASSOCIATES, INC.**  
**SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS**
Prior septic system inspection no. ___________ Under who's name is plan
Plan filed with Board of Health: ___________ titled: _________________________

Sewage disposal system:

____ cesspool: ____ concrete block ___ steel ___ other _____________

√ septic tank: ___ volume (gal.) ___ depth
___ length ___ width
___ no. covers ___ diam. (in.) covers
___ tees ___ baffles

2' depth to top tank (ft.)

____ distr. box ___ pump or dosing siphon

____ leaching pit: ___ no. ___ diam (ft.)
___ depth (ft.) ___ cover

UNCHARTED
WHICH IT IS:
LOOKING AT THE AREA I'D BET ON A CONCRETE BLOCK PIT.

____ leaching bed: ___ length (ft.) ___ width
___ avg. depth to top (ft.) ___ pipe diam (in.) ___ pipe type

____ leaching trenches: ___ no. ___ length (ft.)
___ depth (in.) ___ width (in.)
___ avg. depth to top (ft.) ___ pipe diam (in.) ___ pipe type

____ reported perc. rate (min./in.) ___ reported avg. depth to groundwater
___ (ft. +) at leach. area

NONE area remaining for system's replacement

____ grey water system NONE
subdrainage: NONE

Comments on apparent problems: NONE.

Date of last septic tank/cesspool pumping: 1986
Firm who pumps system: HAYWARD

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

Levels:

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</tbody>
</table>

Levels:

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

NO RESERVE AREA AVAILABLE

LAND OF CLAD

LAND OF HODGE

HODGE'S WELL IS 97' TO RAINAUD'S S. SYSTEM.

S.TANK

SLOPE

WELL

GARAGE

WELL HOUSE SHARED WITH CLAD

WELL IS 75' TO CLAD'S S. SYSTEM

PROBABLE LOCATION OF LEACH AREA

FEDERAL STREET

LAKE ARCADIA

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 12-17-87
Assessors' Map: 6B
Address: 545 FEDERAL ST.
Owner's Name: MARC CLAD
Lot No.: 14, 15, 21A
Telephone No.: 323-6477
Lot Size: 5.7 AC. (248,500 SQ. FEET)
Water Frontage (ft.): NONE

Inspector(s): JEB/SMH

Residency: ☑ year-round

Occupant's Name: SAME (if different from above)

Lot Size: 5.7 AC. (248,500 SQ. FEET)

No. of Occupants: 3

Age of system (yrs.): 1975

No. of Total Rooms: 4
No. of Bedrooms: 2
No. of Bathrooms: 1

Appliances/Connections:
- NO dishwasher
- NO washing machine
- NO garbage disposal
- NO dehumidifier
- NO sump pump
- NO roof or pavement drains
- other: 

Basement/foundation type:
- ☑ brick or concrete block
- ☑ dry masonry stone wall
- ☑ poured concrete wall
- ☑ poured concrete floor
- ☑ concrete slab on grade
- ☑ piers or pilings
- ☑ lake
- ☑ spring or cistern
- ☑ drilled rock well
- ☑ dug well
- ☑ driven point
- ☑ other: 

Well type:
- ☑ shared with neighbor

Depth to well intake from surface (ft.): ?

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______ Under who's name is plan titled: _________
Plan filed with Board of Health: _______

Sewage disposal system:

<table>
<thead>
<tr>
<th>Cesspool</th>
<th>Concrete block</th>
<th>Steel</th>
<th>Other</th>
</tr>
</thead>
</table>

- **Septic tank:**
  - **Volume (gal.):** 1000
  - **Precast length:** 100'
  - **Depth (ft.):** 68''
  - **Width (in.):** 59''
  - **No. covers:**
  - **Diam. (in.) covers:**
  - **Tees:**
  - **Depth to top tank (ft.):**

- **Distr. box:**
- **Pump or dosing siphon:**

- **Leaching pit:**
  - **No.:**
  - **Diam (ft.):**
  - **Depth (ft.):**
  - **Cover:**
  - **Depth to top below grd.:**

- **Leaching bed:**
  - **Length (ft.):**
  - **Avg. depth to top (ft.):**
  - **Pipe diam (in.):**
  - **Pipe type:**

- **Leaching trenches:**
  - **No.:**
  - **Length (ft.):**
  - **Depth (in.):**
  - **Width (in.):**
  - **Avg. depth to top (ft.):**
  - **Pipe diam (in.):**
  - **Pipe type:**

- **Reported perc. rate (min./in.):**
  - **Reported avg. depth to groundwater (ft. +) at leach. area:**

- **Yes** Area remaining for system's replacement
- **No** Grey water system

---

M3A-6
ALMER HUNTLER, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
subdrainage

Comments on apparent problems: None

Date of last septic tank/cesspool pumping: Never

Firm who pumps system:

Anticipated variances for system replacement: OK

- ✓ Own well setback
- Neighbors' well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

Levels:

<table>
<thead>
<tr>
<th>Level</th>
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</table>

BM: USGS 92-236

- no leach
- tank
- no reserve
- sill
- lake level
- lake level
- close

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

PROPERTY OF MARC CLAD

FEDERAL STREET

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
## Application for Disposal Works Construction Permit

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

<table>
<thead>
<tr>
<th>Operation</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>545 Federal St</td>
</tr>
<tr>
<td>Installer</td>
<td>545 Federal St</td>
</tr>
</tbody>
</table>

### Type of Building

- **Dwelling** — No. of Bedrooms: 1
- Expansion Attic: ( )
- Carbage Grinder: ( )
- Other: Type of Building: NA
- No. of persons: NA
- Showers: ( )
- Cafeteria: ( )
- Other fixtures: NA

### Design Flow

- Design Flow: 50 gallons per person per day. Total daily flow: 100 gallons.

### Septic Tank

- Liquid capacity: 1000 gallons
- Length: 10 ft.
- Width: 5 ft.
- Diameter: 6 ft.
- Depth: 6 ft.

### Disposal Trench

- No.: 1
- Length: 100 ft.
- Width: 10 ft.
- Total Length: 100 ft.
- Total leaching area: 1000 sq. ft.

### Seepage Pit

- No.: 1
- Diameter: 5 ft.
- Depth below inlet: 4 ft.
- Total leaching area: 100 sq. ft.

### Other Distribution box

- Dosing tank: ( )

### Percolation Test Results

- Test Pit No. 1: 10 minutes per inch
- Depth of Test Pit: 26"1/2
- Depth to ground water: 26"1/2
- Test Pit No. 2: 10 minutes per inch
- Depth of Test Pit: 26"1/2
- Depth to ground water: 26"1/2

### Description of Soil

- 0 to 26" Fine sand and silt
- 26" to 89" Gravel
- No groundwater at 89"

### Nature of Repairs or Alterations

- Answer when applicable.

### Agreement

The undersigned agrees to install the aforesaid 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 while a certificate of compliance has been issued by the board of health.

Signed: **Marc E. Clark**

Date: **27 July 1975**

### Permit No.

Issued: **27 July 1975**
Not Drawn to Scale!

Note: Septic pit must be a minimum of 100' from well and 10' from property line.

The septic tank can be brick, cement block or precast concrete.
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

| Date:       | 11/22/73  |
| Inspector(s): | JCC:    |
| Assessors' Map: | GB:    |
| Lot No.:     | 114 & 115 |
| Address:     | 546 FEDERAL ST, LAKE ARCADIA |
| Owner's Name: |          |
| Address:     |          |
| Occupant's Name: |          |
| Lot No.:     |          |
| Lot Size:    | 0.15 AC (3,600 Sq Ft) |
| Water Frontage (ft.): | 60 |
| Residency:   | year-round |
| Age of system (yrs.): | 2 |
| No. of Occupants: | 2 |
| No. of Total Rooms: | 4 |
| No. of Bedrooms: | 2 |
| No. of Bathrooms: | 1 |
| Appliances/Connections: | dishwasher |
|                     | dehumidifier |
|                     | washing machine |
|                     | sump pump |
|                     | garbage disposal |
|                     | roof or pavement drains |
|                     | other: |
| Basement/foundation type: | brick or concrete block |
|                       | dry masonry stone wall |
|                       | poured concrete wall |
| Well type:            | dug well |
|                       | driven point |
|                       | drilled rock well |
|                       | lake |
|                       | spring or cistern |
|                       | other: |
| Depth to well intake from surface (ft.): | 20-25' |

HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. __________ Under who's name is plan
Plan filed with Board of Health: __________ titled: __________

Sewage disposal system: [DESIGNED BY FRED R. MAHLEN]

___ cesspool: ___ concrete block ___ steel ___ other

NA septic tank: ___ volume (gal.) ___ depth
___ length ___ width
___ no. covers ___ diam. (in.) covers
___ tees ___ baffles
___ depth to top tank (ft.)

NA distr. box ___ pump or dosing siphon

NA leaching pit: ___ no. ___ diam (ft.)
___ depth (ft.) ___ cover
___ depth to top below grd.

NA leaching bed: ___ length (ft.) ___ width
___ avg. depth to top (ft.)
___ pipe diam (in.) ___ pipe type

NA leaching trenches: ___ no. ___ length (ft.)
___ depth (in.) ___ width (in.)
___ avg. depth to top (ft.)
___ pipe diam (in.) ___ pipe type

NA reported perc. rate (min./in.) ___ reported avg. depth to groundwater
___ (ft. +) at leach. area

___ area remaining for system's replacement

___ grey water system
Comments on apparent problems:

Date of last septic tank/cesspool pumping: NOT YET

Anticipated variances for system replacement: HOLDING TANK EXIST

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

Levels:

<table>
<thead>
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<th>-</th>
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<th>BM</th>
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<td>4.99</td>
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<td>6.61</td>
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<td>HOLDING TANK</td>
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<tr>
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<td>6.80</td>
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</tbody>
</table>

BM: UP = 238/101

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 12/31/97

Inspector(s): JBB / JMI

Assessors' Map: 10B

Lot No.: 116, 117, 118

Address: 550 FEDERAL STREET

Owner's Name: FRED WENTWORTH

Telephone No.: 253-5446

Address: STANLEY ST. AMHERST LAKE ARCADIA

Occupant's Name: SAME (if different from above)

Lot Size: 0.33 AC. (14,600 Sq. Ft.) + Water Frontage (ft.): 150'

Residency: year-round

seasonal (if seasonal, estimate number of weeks per year): 16 WKS.

No. of Occupants: 2

Age of system (yrs.): 25 YRS.

No. of Total Rooms: 2

No. of Bedrooms: 1

No. of Bathrooms: 1

Appliances/Connections:

NO dishwasher

NO dehumidifier

NO washing machine

NO sump pump

NO garbage disposal

roof or pavement drains

other:

Basement/foundation type:

brick or concrete block

dry masonry stone wall

poured concrete wall

poured concrete floor

cement slab on grade

piers or pilings METAL

Well type:

dug well

driven point

drilled rock well

lake

spring or cistern

other:

Depth to well intake from surface (ft.): 14'

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. 
Plan filed with Board of Health: 

Under who's name is plan titled: 

Sewage disposal system:

<table>
<thead>
<tr>
<th>Cesspool:</th>
<th>Concrete block</th>
<th>Steel</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*√* septic tank: 600 volume (gal.)

<table>
<thead>
<tr>
<th>Depth</th>
<th>Width</th>
<th>Volume (gal.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>600</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Length</th>
<th>Depth</th>
<th>Width</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>No. covers</th>
<th>Diam. (in.)</th>
<th>Covers</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth to top tank (ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-3'</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Distrib. box</th>
<th>Pump or dosing siphon</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*√* leaching pit: 1 no. CYLINDER BLOCKS 30" diam (ft.)

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>3'</td>
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<table>
<thead>
<tr>
<th>Depth to top below grd.</th>
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<tbody>
<tr>
<td>3'</td>
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</table>

<table>
<thead>
<tr>
<th>Leaching bed:</th>
<th>Length (ft.)</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Avg. depth to top (ft.)</th>
<th>Pipe diam (in.)</th>
<th>Pipe type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Leaching trenches:</th>
<th>No.</th>
<th>Length (ft.)</th>
<th>Depth (in.)</th>
<th>Width (in.)</th>
<th>Avg. depth to top (ft.)</th>
<th>Pipe diam (in.)</th>
<th>Pipe type</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

<table>
<thead>
<tr>
<th>Reported perc. rate (min./in.)</th>
<th>Reported avg. depth to groundwater (ft.+ at leach. area)</th>
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</thead>
<tbody>
<tr>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Area remaining for system's replacement</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grey water system</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

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M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: NOT PUMPED
Firm who pumps system: 

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

to:
- lake shore
- vegetated wetland
- brook or stream
- other 

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>HI</th>
<th>Elev.</th>
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</thead>
<tbody>
<tr>
<td>4.33</td>
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<td>337.76</td>
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<td>8.24</td>
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<td>6.88</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4.33</td>
<td>337.76</td>
</tr>
</tbody>
</table>
Lot Sketch:

- Land of Aikenhead
- Federal Street
- Lake Arcadia

Diagram details:
- cottage
- 12 ft pipe
- S-tank
- 3½ ft length pit
- S-725
- L-10 ejector pump
- Land of Aikenhead
- Water system

Note: No other wells observed within 100 ft.
OFFICE OF
BOARD OF HEALTH
OF THE TOWN OF
BELCHERTOWN, MASS.

Application for Permit
Complete two Forms and Mail to Board of Health
Individual Sewage Disposal System

Name: Fred Wentworth
Mailing Address: Stanley St. Amhurst

Location of Property: Federal Street

Total Number: Bedrooms: 2; Bath: , Basement: Yes

Water Supply by: Public, Community, Individual System on Site

Garbage Grinder: Yes, No, Automatic Washing Machine: Yes, No

SOIL IS: Loam, Sandy Loam, Coarse Sand or Gravel,
Clay, Sandy Clay, Hardpan, Rock, Other.

Percolation Rate — One inch in 1 1/2 minutes.

Signature of person who made percolation test — Name: John Brackett
Address: Board of Health Belchertown, Mass.

PRIMARY TREATMENT
Septic Tank
Distance from well: 80 feet; Material: No. Compartments
Total Liquid Capacity: 1,000 gallons.
Inside Length: Feet; Inside Width: Feet; Depth: Feet.

Secondary Treatment: Distribution Box and, Tile Disposal Field

Seepage Pits: Other

Tile Disposal Field
Distance from well: Feet; Foundation: Feet; Nearest Lot Line at Front: Side Rear: Feet.
Total Length of Tile Lines: Feet. Number of Lines: Distance between lines: Feet.
Total effective absorption area in bottom of trenches: Sq. Feet. Trench width Feet.
Length of each line: Feet. Depth, Top of tile to finish grade: Inches.
Type of filter material: Gravel; Broken stone; Cinders; Other
Depth of filter material beneath tile: Inches.
Depth of filter material over tile: Inches.

Seepage Pits
Number of pits: Outside Diameter Feet; Depth Feet. Lining Material: CONCRETE
Distance from: Well: Feet; Foundation: Feet; Nearest Lot Line: 20 Feet.

NOTE: Permit will not be granted unless application blanks are completed.

(See Reverse Side)
PLOT PLAN: Include:—

Address and description of property location adequate to direct the inspector: North arrow; boundaries; easements, if any; location of all present or proposed structures on subject plot; all trees which are to remain on the site or are to be planted; all walks and driveways; direction and approximate slope of surface drainage on natural and finished grade; approximate depth of cut or fill, if any, at the location of the proposed disposal field; location of existing or proposed individual water supply and sewage disposal system on adjoining properties and each system to be installed on subject property.

SKETCH BELOW

SEP TIC TANK INSTALLATION MUST BE INSPECTED BEFORE COVERING.

Signature of Inspector: ________________________

Date of Inspection: __________
# INVENTORY FIELD FORM

**Date:** 12-16-87  
**Inspector(s):** JBB/DM

**Assessors' Map:** GB  
**Lot No.:** 120

**Address:** 556 Federal St.  
**Owner's Name:** Bonnie Strickland  
**Telephone No.:** 312-5778

**Address:** 556 Federal St.  
**Occupant's Name:** Susan Jones  
(if different from above)

**Lot Size:** 0.17 AC. (7,600 Sq. Ft.)  
**Water Frontage (ft.):** 180

- **Residency:** ✓ year-round  
  - seasonal (if seasonal, estimate number of weeks per year):

- **No. of Occupants:** 1  
  - Age of system (yrs.):

- **No. of Total Rooms:** 5  
  - No. of Bedrooms: 2  
  - No. of Bathrooms: 1

**Appliances/Connections:**

- NO dishwasher  
- NO dehumidifier  
- NO washing machine  
- NO sump pump  
- NO garbage disposal  
- NO roof or pavement drains  
- other:

**Basement/foundation type:**

- ✓ brick or concrete block  
- ✓ dry masonry stone wall  
- ✓ poured concrete wall  
- poured concrete floor  
- concrete slab on grade  
- piers or pilings

**Well type:**

- DON'T KNOW  
  - ✓ dug well  
  - ✓ driven point  
  - ✓ drilled rock well  
  - lake  
  - spring or cistern  
  - other:

**Depth to well intake from surface (ft.):**

---

**ALMER HUNTLEY, JR., & ASSOCIATES, INC.**  
**SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS**
Prior septic system inspection no.  

Plan filed with Board of Health:  

Under who's name is plan titled:  

Sewage disposal system:  

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>cesspool</td>
<td>____ concrete block  ____ steel  ____ other ______</td>
</tr>
<tr>
<td>septic tank</td>
<td>____ volume (gal.)  ____ depth  ____ width  ____ length  ____ no. covers  ____ diam. (in.) covers  ____ tees  ____ baffles  ____ depth to top tank (ft.)</td>
</tr>
<tr>
<td>distr. box</td>
<td>____ pump or dosing siphon</td>
</tr>
<tr>
<td>leaching pit</td>
<td>____ no.  ____ diam (ft.)  ____ depth (ft.)  ____ depth to top below grd.  ____ cover</td>
</tr>
<tr>
<td>leaching bed</td>
<td>____ length (ft.)  ____ width  ____ avg. depth to top (ft.)  ____ pipe diam (in.)  ____ pipe type</td>
</tr>
<tr>
<td>leaching trenches</td>
<td>____ no.  ____ length (ft.)  ____ depth (in.)  ____ width (in.)  ____ avg. depth to top (ft.)  ____ pipe diam (in.)  ____ pipe type</td>
</tr>
<tr>
<td>reported perc. rate (min./in.)</td>
<td>reported avg. depth to groundwater (ft. +) at leach. area</td>
</tr>
<tr>
<td>area remaining for system's replacement</td>
<td></td>
</tr>
</tbody>
</table>
| grey water system          | }
Date of last septic tank/cesspool pumping: 1984
Firm who pumps system: HAYWARD

Anticipated variances for system replacement:

? Own well setback DON'T KNOW LOCATION

NO Neighbor's well(s) setback

? Property line(s) setback

NO Percolation rate-based design

NO Sideslope requirements

? Insufficient available leaching area

NO Necessary work within 100-year flood plain

NO Necessary work within 100-foot buffer zone

to: _____ lake shore _____ vegetated wetland

_____ brook or stream _____ other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>M</th>
<th>Elev.</th>
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<tbody>
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<td>314.10</td>
<td>lake level</td>
<td>12.35</td>
</tr>
<tr>
<td>334.16</td>
<td>to sill 5 ft, sys is below grd.</td>
<td>12.35</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12.35</td>
</tr>
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</table>

BM: _______
Lot Sketch:

NO MORE INFORMATION AVAILABLE

THIS SYSTEM IS 100' TO BONNIE STRICKLAND'S WELL.

LAKE METACOMET

STEEP SLOPE

DRIVEWAY TO BONNIE STRICKLAND'S HOUSE

GARAGE

550 FEDERAL ST.

WASTE PIPES

[?] TANK

FEDERAL ST.

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: NOV 23, 1987  Inspector(s): JBB/JMI
Assessors' Map: 6B  Lot No.: 19
Address: 557 FEDERAL ST. LAKE ARCADIA ACROSS STREET
Owner's Name: JOANNE SMITH  Telephone No.: 323-7311
Address: SAME
Occupant's Name: SAME  (if different from above)
Lot Size: 0.29 AC. (13,050 Sq.Ft.) + Water Frontage (ft.): NONE
Residency: ✓ year-round  seasonal (if seasonal, estimate number of weeks per year):
No. of Occupants: 2  Age of system (yrs.): ?
No. of Total Rooms: 4 & 1 BOILER ROOM  No. of Bedrooms: 2  No. of Bathrooms: 1
Appliances/Connections: ✓ dishwasher  ✓ dehumidifier
✓ washing machine  ✓ sump-pump
✓ garbage-disposal  ✓ roof-or-pavement-drains
✓ other: __________________________

Basement/foundation type:
✓ brick or concrete block  ✓ poured concrete floor
✓ dry masonry stone wall  ✓ concrete slab on grade
✓ poured concrete wall  ✓ piers or pilings

Well type:
✓ dug well  ✓ lake
✓ driven point  ✓ spring or cistern
✓ drilled rock well  ✓ other: __________________________
IN GARAGE

Depth to well intake from surface (ft.): 100'

M3A-6  ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
Prior septic system inspection no. _____ Under who's name is plan _____
Plan filed with Board of Health: _____ titled: ______________

Sewage disposal system:

____ cesspool: _____ concrete block _____ steel _____ other _______

____ septic tank: __800 volume (gal.) STEEL __ depth
    ___ length
    ___ uncertain
    ___ no. covers
    ___ tees
    ___ depth to top tank (ft.)

____ distr. box _____ pump or dosing siphon

✓ leaching pit: 1 no.
   3.5 depth (ft.) ABOVE
       depth to top below grd.

____ leaching bed: ___ length (ft.) ___ width
    ___ avg. depth to top (ft.)
    ___ pipe diam (in.) ___ pipe type

____ leaching trenches: ___ no.
    ___ depth (in.) ___ width (in.)
    ___ avg. depth to top (ft.)
    ___ pipe diam (in.) ___ pipe type

? reported perc. rate (min./in.) _____ reported avg. depth to groundwater
   (ft. +) at leach. area

? area remaining for system's replacement

✓ grey water system WASHING MACHINE HAS SEPARATE PIPE
   LEADING FROM THE NE CORNER OF HOUSE & LEACHING
   OCCURS IN NATURAL SOIL.
NO subdrainage  NOT EVEN GUTTERS - HOUSE ON LEDGE.

Comments on apparent problems:  HOUSE BUILT ON LEDGE, NO BASEMENT.  SOLIDS FLOWING TO LEACH PIT.  S-TANK NOT NOTABLY RUSTED OUT AT LAST PUMPING 3 YRS AGO.

Date of last septic tank/cesspool pumping:  3 YRS AGO (1984)
Firm who pumps system:  JIM HAYWARD

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback REAR E?
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

to:  lake shore  vegetated wetland
     brook or stream  other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>HI</th>
<th>Elev.</th>
</tr>
</thead>
<tbody>
<tr>
<td>33.12</td>
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<tr>
<td>11.19</td>
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<td>365.71</td>
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<td>11.48</td>
<td>364.10</td>
<td></td>
</tr>
<tr>
<td>314.10</td>
<td></td>
<td>BM: 340.20</td>
</tr>
</tbody>
</table>

BM: U.P. #10A/TS520/235
TBM: NAIL IN 20" RED OAK
INVERT OUT
GND @ S-TANK
GND @ LEACH PIT
GND @ RESERVE AREA
TBM - CLOSE
LAKE ELEV.
BM: 340.20

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
I.D. No. E5555
68-121

ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

RECOMMENDED SEPTIC
SYSTEM ALTERNATIVE
NO. 6

INVENTORY FIELD FORM

Date: 12-16-87
Assessors' Map: 68
Lot No.: 121
Address: 558 FEDERAL ST.

Owner's Name: Bonnie Strickland
Address: 558 FEDERAL ST.

Occupant's Name: Bonnie Strickland
Lot Size: 0.63 AC. (27,300 Sq. Ft.)
Water Frontage (ft.): 460'

Residency: ✓ year-round
Age of system (yrs.): 12-15 yrs.
No. of total rooms: 6
No. of bedrooms: 3
No. of bathrooms: 2

Appliances/Connections:
✓ dishwasher
✓ washing machine
✓ garbage disposal
✓ dehumidifier
✓ sump pump
✓ roof or pavement drains
✓ poured concrete floor
✓ concrete slab on grade
✓ piers or pilings
✓ dug well
✓ driven point
✓ drilled rock well
✓ lake
✓ spring or cistern
✓ other:

Basement/foundation type:
✓ brick or concrete block
✓ dry masonry stone wall
✓ poured concrete wall

Well type:
✓ dug well
✓ driven point
✓ drilled rock well
✓ lake
✓ spring or cistern
✓ other:

Depth to well intake from surface (ft.): 130'

ALMER HUNTLER, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS

M3A-6

Drainage 1985
Prior septic system inspection no. — Under who's name is plan titled: __________
Plan filed with Board of Health: __________

Sewage disposal system:

- cesspool: _____ concrete block _____ steel _____ other __________
- septic tank: __________ volume (gal.) _____ depth
  ________ length _____ width
  ________ no. covers _____ diam. (in.) covers
  ________ tees _____ baffles
  ________ depth to top tank (ft.)
- distr. box _____ pump or dosing siphon

√ leaching pit: __________ no. _____ diam (ft.)
  ________ depth (ft.) _____ cover
  ________ depth to top below grd.

- leaching bed: ________ length (ft.) ________ width
  ________ avg. depth to top (ft.)
  ________ pipe diam (in.) ________ pipe type

- leaching trenches: ________ no. ________ length (ft.)
  ________ depth (in.) ________ width (in.)
  ________ avg. depth to top (ft.)
  ________ pipe diam (in.) ________ pipe type

- reported perc. rate (min./in.) ________ reported avg. depth to groundwater (ft. +) at leach. area

- area remaining for system's replacement

- grey water system ____________________________

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
subdrainage

Comments on apparent problems:

Date of last septic tank/cesspool pumping:  

Firm who pumps system:  

Anticipated variances for system replacement:  

- Own well setback  
- Neighbor's well(s) setback  
- Property line(s) setback  
- Percolation rate-based design  
- Sideslope requirements  
- Insufficient available leaching area  
- Necessary work within 100-year flood plain  
- Necessary work within 100-foot buffer zone  

Levels:

<table>
<thead>
<tr>
<th>Level</th>
<th>HI 342.65</th>
<th>Elev. 340.20</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.45</td>
<td>335.50</td>
<td>9.15</td>
</tr>
<tr>
<td>2.00</td>
<td>334.55</td>
<td>1.42</td>
</tr>
<tr>
<td>1.42</td>
<td>334.08</td>
<td>21.00</td>
</tr>
<tr>
<td>9.08</td>
<td>342.58</td>
<td>2.00</td>
</tr>
<tr>
<td>9.08</td>
<td>342.58</td>
<td>2.00</td>
</tr>
<tr>
<td>9.08</td>
<td>342.58</td>
<td></td>
</tr>
<tr>
<td>9.08</td>
<td>342.58</td>
<td></td>
</tr>
<tr>
<td>2.98</td>
<td>340.20</td>
<td></td>
</tr>
</tbody>
</table>

BM: U.P. +104/T5520/235  
TURN POINT = NAIL IN 12" PINE  
SILL  
GND. @ PIT & S. TANK  
LAKE (CROSS REF. WAQ. SHOT P) CY  
T.P. NAIL IN PINE  

M3A-6  
ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS  

12.45 G.S. @ TANK
Lot Sketch:

NO OTHER WELLS OBSERVED WITHIN 100' OF S. SYSTEM

LAKE

DRIVE

GAR.

LEACH PIT

HOUSE

S. TANK

ABANDONED WELL

WELL

0

25'12"
ARCADIA AND METACOMET LAKES  
BELCHERTOWN, MA  
SEPTIC SYSTEMS MANAGEMENT STUDY  

INVENTORY FIELD FORM

<table>
<thead>
<tr>
<th>Date:</th>
<th>July 27, 1982</th>
<th>Inspector(s):</th>
<th>JEC/JDC</th>
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</thead>
<tbody>
<tr>
<td>Assessor's Map:</td>
<td>60</td>
<td>Lot No.:</td>
<td>92</td>
</tr>
<tr>
<td>Address:</td>
<td>5 Lake Drive</td>
<td>Lake Arcadia</td>
<td></td>
</tr>
<tr>
<td>Owner's Name:</td>
<td>Joseph Karapa</td>
<td>Telephone No.:</td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td>5 Lake Drive</td>
<td>(if different from above)</td>
<td></td>
</tr>
<tr>
<td>Lot Size:</td>
<td>0.15 acres</td>
<td>Water Frontage (ft.):</td>
<td>None</td>
</tr>
<tr>
<td>Residency:</td>
<td>Year-round</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. of Occupants:</td>
<td>1</td>
<td>Age of system (yrs.):</td>
<td>Age of Building</td>
</tr>
<tr>
<td>No. of Total Rooms:</td>
<td>3</td>
<td>No. of Bedrooms:</td>
<td>1</td>
</tr>
<tr>
<td>No. of Bathrooms:</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appliances/Connections:</td>
<td>No dishwasher</td>
<td>No dehumidifier</td>
<td></td>
</tr>
<tr>
<td></td>
<td>No washing machine</td>
<td>No sump pump</td>
<td></td>
</tr>
<tr>
<td></td>
<td>No garbage disposal</td>
<td>No roof or pavement drains</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basement/Foundation Type:</td>
<td>Brick or concrete block</td>
<td>Poured concrete floor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dry masonry stone wall</td>
<td>Concrete slab on grade</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Poured concrete wall</td>
<td>Piers or pilings</td>
<td></td>
</tr>
<tr>
<td>Well type:</td>
<td>Dug well</td>
<td>Lake</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Driven point</td>
<td>Spring or cistern</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drilled rock well</td>
<td>Other:</td>
<td></td>
</tr>
<tr>
<td>Depth to well intake from surface (ft.):</td>
<td>20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

M3A-6  
ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. __________
Plan filed with Board of Health: __________
Under who's name is plan titled: __________

Sewage disposal system:

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
<th>Quantity</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ cesspool</td>
<td>concrete block</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>other</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>w/wood cover</td>
</tr>
<tr>
<td>septic tank</td>
<td>volume (gal.)</td>
<td></td>
<td>depth</td>
</tr>
<tr>
<td></td>
<td>length</td>
<td></td>
<td>width</td>
</tr>
<tr>
<td></td>
<td>no. covers</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>tees</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>depth to top tank (ft.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>distr. box</td>
<td>pump or dosing siphon</td>
<td></td>
<td></td>
</tr>
<tr>
<td>leaching pit</td>
<td>no.</td>
<td></td>
<td>diam (ft.)</td>
</tr>
<tr>
<td></td>
<td>depth (ft.)</td>
<td></td>
<td>cover</td>
</tr>
<tr>
<td></td>
<td>depth to top below grd.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>leaching bed</td>
<td>length (ft.)</td>
<td></td>
<td>width</td>
</tr>
<tr>
<td></td>
<td>avg. depth to top (ft.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>pipe diam (in.)</td>
<td></td>
<td>pipe type</td>
</tr>
<tr>
<td>leaching trenches</td>
<td>no.</td>
<td></td>
<td>length (ft.)</td>
</tr>
<tr>
<td></td>
<td>depth (in.)</td>
<td></td>
<td>width (in.)</td>
</tr>
<tr>
<td></td>
<td>avg. depth to top (ft.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>pipe diam (in.)</td>
<td></td>
<td>pipe type</td>
</tr>
</tbody>
</table>

- reported perc. rate (min./in.)
- reported avg. depth to groundwater (ft. +) at leach. area
- area remaining for system's replacement

Sort of grey water system: kitchen sink empties onto surface

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
No subdrainage

Comments on apparent problems: None

Date of last septic tank/cesspool pumping: NEVER

Firm who pumps system:

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

To:

- lake shore
- vegetated wetland
- brook or stream
- other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>HI</th>
<th>-</th>
<th>Elev.</th>
<th>BM:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.24</td>
<td>329.97</td>
<td>325.73</td>
<td>BM:</td>
<td>M3A-6</td>
</tr>
<tr>
<td>5.07</td>
<td>324.90</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.05</td>
<td>324.92</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.74</td>
<td>326.23</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

BM: CLOSEOUT
Lot Sketch:

- RESERVE

CREEK

PORCH

SHED

* THIS PIPE DISCHARGES THE SINK WATER DIRECTLY ONTO THE GROUND.

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
## ARCADIAND AND METACOMET LAKES
### BELCHERTOWN, MA
#### SEPTIC SYSTEMS MANAGEMENT STUDY
### INVENTORY FIELD FORM

<table>
<thead>
<tr>
<th>Date:</th>
<th>9-17-88</th>
<th>Inspector(s):</th>
<th>280/KHF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessor's Map:</td>
<td>GB</td>
<td>Lot No.:</td>
<td>90</td>
</tr>
<tr>
<td>Address:</td>
<td>LAKE DRIVE</td>
<td>LAKE ARCADIA</td>
<td></td>
</tr>
<tr>
<td>Owner's Name:</td>
<td>ALDEN C. COX</td>
<td>Telephone No.</td>
<td></td>
</tr>
<tr>
<td>Lot Size:</td>
<td>0.11 Ac. (5,000 sq. ft.)</td>
<td>Water Frontage (ft.):</td>
<td>100' ±</td>
</tr>
<tr>
<td>Residency:</td>
<td>Year-round</td>
<td>Seasonal (if seasonal, estimate number of weeks per year):</td>
<td></td>
</tr>
<tr>
<td>No. of Occupants:</td>
<td>3-4</td>
<td>Age of system (yrs.):</td>
<td>18</td>
</tr>
<tr>
<td>No. of Total Rooms:</td>
<td>6</td>
<td>No. of Bedrooms:</td>
<td>2</td>
</tr>
<tr>
<td>No. of Bathrooms:</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appliances/Connections:</td>
<td>No dishwasher</td>
<td>No dehumidifier</td>
<td></td>
</tr>
<tr>
<td></td>
<td>No washing machine</td>
<td>No sump pump</td>
<td></td>
</tr>
<tr>
<td></td>
<td>No garbage disposal</td>
<td>No roof or pavement drains</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basement/foundation type:</td>
<td>✔ brick or concrete block</td>
<td>✔ poured concrete floor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>✔ dry masonry stone wall</td>
<td>✔ concrete slab on grade</td>
<td></td>
</tr>
<tr>
<td></td>
<td>✔ poured concrete wall</td>
<td>✔ piers or pilings</td>
<td></td>
</tr>
<tr>
<td>Well type:</td>
<td>✔ dug well</td>
<td>✔ lake</td>
<td></td>
</tr>
<tr>
<td></td>
<td>✔ driven point</td>
<td>✔ spring or cistern</td>
<td></td>
</tr>
<tr>
<td></td>
<td>✔ drilled rock well</td>
<td>✔ other:</td>
<td></td>
</tr>
<tr>
<td>Depth to well intake from surface (ft.):</td>
<td>20-25'</td>
<td></td>
<td></td>
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</table>
Prior septic system inspection no. ________  Under who's name is plan
titled: __________________________

Plan filed with Board of Health: ________

Sewage disposal system:

<table>
<thead>
<tr>
<th>cesspool:</th>
<th>concrete block</th>
<th>steel</th>
<th>other cement</th>
</tr>
</thead>
</table>

✓ septic tank: 1500 gal.  volume (gal.)

<table>
<thead>
<tr>
<th>depth</th>
<th>width</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>length</th>
<th>width</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>no. covers</th>
<th>diam. (in.) covers</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>depth</th>
<th>baffles</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>depth to top tank (ft.)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>distr. box</th>
<th>pump or dosing siphon</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>leaching pit:</th>
<th>no.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>depth (ft.)</th>
<th>cover</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>depth to top below grd.</th>
</tr>
</thead>
</table>

maybe leaching bed: 7 length (ft.)

<table>
<thead>
<tr>
<th>width</th>
<th>avg. depth to top (ft.)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>diam. (ft.)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>pipe diam (in.)</th>
<th>pipe type</th>
</tr>
</thead>
</table>

leaching trenches: 7 no.

<table>
<thead>
<tr>
<th>length (ft.)</th>
<th>width (ft.)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>depth (in.)</th>
<th>width (in.)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>avg. depth to top (ft.)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>pipe diam (in.)</th>
<th>pipe type</th>
</tr>
</thead>
</table>

reported perc. rate (min./in.)  reported avg. depth to groundwater (ft. +) at leach. area

<table>
<thead>
<tr>
<th>area remaining for system's replacement</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>grey water system</th>
</tr>
</thead>
</table>
Comments on apparent problems: hose leading out of septic tank.

Date of last septic tank/cesspool pumping: ?

Firm who pumps system: 

Anticipated variances for system replacement:

- [ ] Own well setback
- [ ] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone
  - lake shore
  - vegetated wetland
  - brook or stream
  - other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>HI</th>
<th>Elev.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.92</td>
<td>325.71</td>
<td>321.79</td>
</tr>
<tr>
<td>4.40</td>
<td>321.31</td>
<td>Septic tank @ ground</td>
</tr>
<tr>
<td>11.7</td>
<td>314.01</td>
<td>Lake foot</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

BM: UP 13/25-92

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

- Septic Tank
- House
- Land of Rege
- Lake Arcadia
- No well within 100' of this lot

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS · ENGINEERS · LANDSCAPE ARCHITECTS
**ARCADIA AND METACOMET LAKES**  
**BELCHERTOWN, MA**  
**SEPTIC SYSTEMS MANAGEMENT STUDY**  
**INVENTORY FIELD FORM**

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Date:</strong></td>
<td>AUGUST 22, 1987</td>
</tr>
<tr>
<td><strong>Inspector(s):</strong></td>
<td>R. D.</td>
</tr>
<tr>
<td><strong>Assessors' Map:</strong></td>
<td>6B</td>
</tr>
<tr>
<td><strong>Lot No.:</strong></td>
<td>89</td>
</tr>
<tr>
<td><strong>Address:</strong></td>
<td>19 LAKE DRIVE, LAKE ARCADIA</td>
</tr>
<tr>
<td><strong>Owner's Name:</strong></td>
<td>JOHN REGE</td>
</tr>
<tr>
<td><strong>Telephone No.:</strong></td>
<td>323-7371</td>
</tr>
<tr>
<td><strong>Address:</strong></td>
<td>SAME AS ABOVE IN SUMMER</td>
</tr>
<tr>
<td><strong>Occupant's Name:</strong></td>
<td>SAME (if different from above)</td>
</tr>
<tr>
<td><strong>Lot Size:</strong></td>
<td>1/10 AC. (5,000 sq. ft.)</td>
</tr>
<tr>
<td><strong>Water Frontage (ft.):</strong></td>
<td>100*</td>
</tr>
<tr>
<td><strong>Residency:</strong></td>
<td>year-round</td>
</tr>
</tbody>
</table>
| **seasonal (if seasonal, estimate number of  
weeks per year):** | 6 months                                      |
| **No. of Occupants:**                      | 2                                             |
| **Age of system (yrs.):**                  | don't know                                    |
| **No. of Total Rooms:**                    | 2                                             |
| **No. of Bedrooms:**                       | 1                                             |
| **No. of Bathrooms:**                      | 1                                             |
| **Appliances/Connections:**                | NO dishwasher, NO dehumidifier,              |
|                                           | NO washing machine, NO sump pump,             |
|                                           | NO garbage disposal, NO roof or pavement drains |
|                                           | NO other:                                     |
| **Basement/foundation type:**              | brick or concrete block, dry masonry stone wall, poured concrete wall |
|                                           | concrete slab on grade, piers or pilings      |
| **Well type:**                             | dug well, driven point, drilled rock well     |
|                                           | lake, spring or cistern, other:               |
| **Depth to well intake from surface (ft.):**| 15-20'                                        |

M3A-6  
ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. Under who's name is plan
Plan filed with Board of Health: titled:

**Sewage disposal system:**

<table>
<thead>
<tr>
<th>Type</th>
<th>Quantity</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>cesspool</td>
<td></td>
<td></td>
</tr>
<tr>
<td>concrete block</td>
<td></td>
<td></td>
</tr>
<tr>
<td>steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>other</td>
<td></td>
<td><strong>TIGHT TANK</strong> 1250 GALLONS</td>
</tr>
<tr>
<td>septic tank</td>
<td>volume (gal.)</td>
<td>depth</td>
</tr>
<tr>
<td></td>
<td></td>
<td>width</td>
</tr>
<tr>
<td></td>
<td></td>
<td>no. covers</td>
</tr>
<tr>
<td></td>
<td></td>
<td>covers</td>
</tr>
<tr>
<td></td>
<td></td>
<td>tanks</td>
</tr>
<tr>
<td></td>
<td></td>
<td>volume (gal.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>depth to top tank (ft.)</td>
</tr>
<tr>
<td>distr. box</td>
<td>pump or dosing siphon</td>
<td></td>
</tr>
<tr>
<td>leaching pit</td>
<td>no.</td>
<td>diam (ft.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>cover</td>
</tr>
<tr>
<td></td>
<td></td>
<td>depth to top below grd.</td>
</tr>
<tr>
<td>leaching bed</td>
<td>length (ft.)</td>
<td>width</td>
</tr>
<tr>
<td></td>
<td></td>
<td>avg. depth to top (ft.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>pipe diam (in.)</td>
</tr>
<tr>
<td>leaching trenches</td>
<td>no.</td>
<td>length (ft.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>depth (in.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>avg. depth to top (ft.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>pipe diam (in.)</td>
</tr>
<tr>
<td>reported perc. rate (min./in.)</td>
<td>reported avg. depth to groundwater (ft. +) at leach. area</td>
<td></td>
</tr>
<tr>
<td>area remaining for system's replacement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>grey water system</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
subdrainage

Comments on apparent problems: SHOULD NOT ALLOW I N S E C T MOTORIZED BOATS ON LAKE SHOULD CLEAR WEED GROWTH

Date of last septic tank/cesspool pumping: 2-3 TIMES A SEASON
Firm who pumps system: JIM HAYWARD

Anticipated variances for system replacement: HOLDING TANK PRESENTLY

☑ A Own well setback
☑ A Neighbor's well(s) setback
☐ No Property line(s) setback
☐ No Percolation rate-based design
☐ No Sideslope requirements
☑ Insufficient available leaching area
☑ Necessary work within 100-year flood plain
☑ Necessary work within 100-foot buffer zone

to: ☐ lake shore ☐ vegetated wetland
    ☐ brook or stream ☐ other

Levels:

+  |  HI  |  Elev.  |  BM:  |
---|------|--------|------|
3.21 | 325.00 | 321.79 | NAIL IN PAE 13/25/92
5.70 | 319.30 | GROUND AT HOLDING TANK
4.71 | 320.29 | SILL OF BISE
11.58 | 313.42 | LAKE E.L.
|      |        |         |
|      |        |         |
|      |        |         |
|      |        |         |
|      |        |         |
3.21 | 321.79 | BM:    |

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAND OF McCARRON

WELL POINT

SHED

TIGHT TANK

HOLDING TANK

DUG WELL

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
DUG WELL LAND OF GRIGGS
I.D. No. I.D. No. 6D-021
6B-38

ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: NOV. 30, 1987
Assessors' Map: GB
Lot No.: 88
Address: 21 LAKE DRIVE

Owner's Name: McCARREN, JOHN
Telephone No.: 323-7100
Address: Same

Occupant's Name: Same (if different from above)
Lot Size: 0.10 A. (4,000 sq. ft.)
Water Frontage (ft.): 100'

Residency: X year-round ___ seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: 3
Age of system (yrs.): 17 yrs
No. of Total Rooms: 5
No. of Bedrooms: 3
No. of Bathrooms: 1

Appliances/Connections:
___ dishwasher
___ washing machine
___ garbage disposal
___ dehumidifier
___ sump pump
___ roof or pavement drains
___ other:

Basement/foundation type:
___ brick or concrete block
___ dry masonry stone wall
___ poured concrete wall
___ poured concrete floor
___ concrete slab on grade
___ piers or pilings

Well type:
___ dug well
___ driven point
___ lake
___ drilled rock well
___ spring or cistern
___ other:

Depth to well intake from surface (ft.): 60'

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS, ENGINEERS, LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______ Under who's name is plan _______
Plan filed with Board of Health: _______ titled: ________________

Sewage disposal system:

<table>
<thead>
<tr>
<th>Component</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tight tank</td>
<td>1971 w/ house conserv</td>
</tr>
<tr>
<td>Cesspool</td>
<td>Concrete block / steel / other / tight tank</td>
</tr>
<tr>
<td></td>
<td>1600 gallons</td>
</tr>
<tr>
<td>Septic tank</td>
<td>Volume (gal.) / depth / length / width / no. covers</td>
</tr>
<tr>
<td></td>
<td>depth / width / diam. (in.) / covers</td>
</tr>
<tr>
<td></td>
<td>depth to top tank (ft.)</td>
</tr>
<tr>
<td>Distrib. box</td>
<td>Pump or dosing siphon</td>
</tr>
<tr>
<td>Leaching pit</td>
<td>No. / diam. (ft.) / depth (ft.) / cover / depth to top below grd.</td>
</tr>
<tr>
<td>Leaching bed</td>
<td>Length (ft.) / width / avg. depth to top (ft.)</td>
</tr>
<tr>
<td></td>
<td>Pipe diam (in.) / pipe type</td>
</tr>
<tr>
<td>Leaching trenches</td>
<td>No. / length (ft.) / depth (in.) / width (in.)</td>
</tr>
<tr>
<td></td>
<td>Avg. depth to top (ft.) / pipe diam (in.) / pipe type</td>
</tr>
<tr>
<td>Reported perc. rate</td>
<td>Reported avg. depth to groundwater (ft. +) at leach. area</td>
</tr>
<tr>
<td>Area remaining</td>
<td>for system's replacement</td>
</tr>
<tr>
<td>Grey water system</td>
<td></td>
</tr>
</tbody>
</table>

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
surveyors - engineers - landscape architects
Comments on apparent problems: 

Date of last septic tank/cesspool pumping: Oct. 20 X year
Firm who pumps system: 

Anticipated variances for system replacement: No Reserve Area

<table>
<thead>
<tr>
<th>Variance</th>
<th>Marked</th>
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<tbody>
<tr>
<td>Own well setback</td>
<td>✓</td>
</tr>
<tr>
<td>Neighbor's well(s) setback</td>
<td>✓</td>
</tr>
<tr>
<td>Property line(s) setback</td>
<td>✓</td>
</tr>
<tr>
<td>Percolation rate-based design</td>
<td></td>
</tr>
<tr>
<td>Sideslope requirements</td>
<td>✓</td>
</tr>
<tr>
<td>Insufficient available leaching area</td>
<td>✓</td>
</tr>
<tr>
<td>Necessary work within 100-year flood plain</td>
<td>✓</td>
</tr>
<tr>
<td>Necessary work within 100-foot buffer zone</td>
<td>✓</td>
</tr>
</tbody>
</table>

To: ✓ lake shore       ___ vegetated wetland
    ___ brook or stream ___ other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>HI</th>
<th>Elev.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.41</td>
<td>325.20</td>
<td>321.79</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.90</td>
<td>319.30</td>
<td></td>
</tr>
<tr>
<td>5.24</td>
<td>319.96</td>
<td></td>
</tr>
<tr>
<td>314.10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

BM: U.P #13/25-92
NAIL BELOW OTHER NAIL?

Septic system may be near groundwater table

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
**INVENTORY FIELD FORM**

**Date:** 3-14-83  
**Inspector(s):**  
**Assessors' Map:**  
**Lot No.:**  
**Address:** 23 LAKE DRIVE LAKE ARCADIA  
**Owner's Name:** JAY HAHN  
**Telephone No.:** 253-3210  
**Address:** SAME  
**Occupant's Name:** SAME  
**Lot Size:** 0.07 AC. (4,000 Sq. Ft.)  
**Water Frontage (ft.):** 100'  

**Residency:** √ year-round  
**seasonal (if seasonal, estimate number of weeks per year):**  
**No. of Occupants:** 5  
**Age of system (yrs.):**  
**No. of Total Rooms:** 4  
**No. of Bedrooms:** 3  
**No. of Bathrooms:** 1  

**Appliances/Connections:**  
- NO dishwasher  
- NO dehumidifier  
- ✓ washing machine  
- NO sump pump  
- NO garbage disposal  
- NO roof or pavement drains  
- NO other:  

**Basement/foundation type:**  
- ✓ brick or concrete block  
- ✓ dry masonry stone wall  
- ✓ poured concrete wall  
- ➥ poured concrete floor  
- ➥ concrete slab on grade  
- ➥ piers or pilings  
- ➥ other:  

**Well type:**  
- ✓ dug well  
- ✓ lake  
- ✓ driven point  
- ✓ spring or cistern  
- ✓ drilled rock well  
- ✓ other:  

**Depth to well intake from surface (ft.):**  

---

M3A-6  
ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
Prior septic system inspection no. ______ Under who's name is plan __________ titled: __________

Plan filed with Board of Health: ________

Sewage disposal system:

- cesspool: ______ concrete block ______ steel ______ other ______

- septic tank: 
  - volume (gal.) ______
  - length ______
  - no. covers ______
  - tees ______
  - depth to top tank (ft.) ______

- distr. box ______
  - pump or dosing siphon ______

- leaching pit: ______
  - no. ______
  - depth (ft.) ______
  - depth to top below grd. ______

- leaching bed: ______
  - length (ft.) ______
  - avg. depth to top (ft.) ______
  - pipe diam (in.) ______
  - pipe type ______

- leaching trenches: ______
  - no. ______
  - length (ft.) ______
  - depth (in.) ______
  - width (in.) ______
  - avg. depth to top (ft.) ______
  - pipe diam (in.) ______
  - pipe type ______

- reported perc. rate (min./in.) ______ reported avg. depth to groundwater (ft.) ______ at leach. area ______

NO area remaining for system's replacement ______

? grey water system ___________________________________

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
subdrainage

Comments on apparent problems: 

IT'S REPORTED THAT THE LAUNDRY 
DISCHARGES DIRECTLY INTO THE LAKE BY NEIGHBORS, BUT WE 
HAVE NOT SEEN THE EVIDENCE.

Date of last septic tank/cesspool pumping: ?
Firm who pumps system: ?

Anticipated variances for system replacement:

- ✓ Own well setback
- ✓ Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone
- to: ✓ lake shore
  - [ ] vegetated wetland
  - [ ] brook or stream
  - [ ] other

Levels:

+ HI - Elev. BM: 16 7F M.M. NAD 83 GA Trader 1.8

<table>
<thead>
<tr>
<th></th>
<th>HI</th>
<th>Elev.</th>
<th>BM: 16 7F M.M. NAD 83 GA Trader 1.8</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.22</td>
<td>325.66</td>
<td>322.44</td>
<td></td>
</tr>
<tr>
<td>4.77</td>
<td>320.69</td>
<td>SILL AT SUMP</td>
<td></td>
</tr>
<tr>
<td>6.10</td>
<td>319.56</td>
<td>GROUND FOR SUMP TANK</td>
<td></td>
</tr>
<tr>
<td>12.33</td>
<td>313.33</td>
<td>LAKE</td>
<td></td>
</tr>
<tr>
<td>3.22</td>
<td>322.44</td>
<td>BM: CLOSEOUT</td>
<td></td>
</tr>
</tbody>
</table>

SEPTIC SYSTEM MAY BE NEAR GROUNDWATER TABLE

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE ARCADIA

LAND OF McCARON

90' +
To SEPTIC TANK

WELL

72'
J. HOLTZMAN

20' +
SEPTIC TANK

121' +
To WELL

90' +
To WELL

100' +
To S. TANK

LAKE DRIVE

CONN. VALLEY RAIL ROAD

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
# ARCADIA AND METACOMET LAKES

**BELCHERTOWN, MA**

**SEPTIC SYSTEMS MANAGEMENT STUDY**

## INVENTORY FIELD FORM

<table>
<thead>
<tr>
<th>Date:</th>
<th>11-21-87</th>
<th>Inspector(s):</th>
<th>JBB / JNan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessors' Map:</td>
<td>18B</td>
<td>Lot No.:</td>
<td>86</td>
</tr>
<tr>
<td>Address:</td>
<td>25 LAKE DRIVE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LAKE ARCADIA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Owner's Name:</td>
<td>Leslie &amp; Ruth T. Harris</td>
<td>Telephone No.:</td>
<td>223-7646</td>
</tr>
<tr>
<td>Address:</td>
<td>25 LAKE DRIVE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ARCADIA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Occupant's Name:</td>
<td>Same</td>
<td></td>
<td>(if different from above)</td>
</tr>
<tr>
<td>Lot Size:</td>
<td>0.07 A.C. (3,325 Sq. Ft.)</td>
<td>Water Frontage (ft.):</td>
<td>95'</td>
</tr>
<tr>
<td>Residency:</td>
<td>Year-round</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. of Occupants:</td>
<td>2</td>
<td>Age of system (yrs.):</td>
<td>32 Yrs</td>
</tr>
<tr>
<td>No. of Total Rooms:</td>
<td>5</td>
<td>No. of Bedrooms:</td>
<td>2</td>
</tr>
<tr>
<td>No. of Bathrooms:</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appliances/Connections:</td>
<td>NO dishwasher NO dehumidifier</td>
<td>NO washing machine NO sump pump</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NO garbage disposal NO roof or pavement drains</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>other:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basement/foundation type:</td>
<td>brick or concrete block</td>
<td>poured concrete floor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>dry masonry stone wall</td>
<td>concrete slab on grade</td>
<td></td>
</tr>
<tr>
<td></td>
<td>poured concrete wall</td>
<td>piers or pilings</td>
<td></td>
</tr>
<tr>
<td>Well type:</td>
<td>dug well</td>
<td>lake THEY PUMP LAKE H2O INTO</td>
<td></td>
</tr>
<tr>
<td></td>
<td>driven point</td>
<td>BUT DO NOT USE IT</td>
<td></td>
</tr>
<tr>
<td></td>
<td>drilled rock well</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WELL IS RUSTY SO THEY USE LAKE H2O FOR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UTILITIES AND BRING IN DRINKING H2O</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>other:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth to well intake from surface (ft.):</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**RECOMMENDED SEPTIC SYSTEM ALTERNATIVE NO. 3,7**

---

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no.  
Plan filed with Board of Health:  
Under who's name is plan titled:

Sewage disposal system:

<table>
<thead>
<tr>
<th>Cesspool</th>
<th>Concrete Block</th>
<th>Steel</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cesspool:</td>
<td>___</td>
<td>___</td>
<td>___</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Septic Tank</th>
<th>Volume (gal.)</th>
<th>Depth</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>Septic tank: 750</td>
<td>___</td>
<td>___</td>
<td>___</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Leaching Pit</th>
<th>Diam (ft.)</th>
<th>Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leaching pit:</td>
<td>___</td>
<td>___</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Leaching Bed</th>
<th>Height (ft.)</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leaching bed: 30</td>
<td>3</td>
<td>___</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Leaching Trenches</th>
<th>Length (ft.)</th>
<th>Width (in.)</th>
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</thead>
<tbody>
<tr>
<td>Leaching trenches: 2</td>
<td>2</td>
<td>___</td>
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</tbody>
</table>

| Grey Water System             | Yes            |
|-------------------------------|----------------|--------------|

<table>
<thead>
<tr>
<th>Leaching Bed</th>
<th>Avg. depth to top (ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leaching bed: 30</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Leaching Bed</th>
<th>Avg. depth to top below ground (ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leaching bed: 30</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Leaching Bed</th>
<th>Pipe diam (in.)</th>
<th>Pipe type</th>
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<tbody>
<tr>
<td>Leaching bed: 30</td>
<td>4</td>
<td>Orangeburg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Leaching Bed</th>
<th>Reported perc. rate (min./in.)</th>
<th>Reported avg. depth to groundwater (ft. +)</th>
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<tbody>
<tr>
<td>Leaching bed: 30</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Leaching Bed</th>
<th>Area remaining for system's replacement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leaching bed: 30</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Leaching Bed</th>
<th>Grey water system</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leaching bed: 30</td>
<td>Grey water system</td>
<td>No</td>
</tr>
</tbody>
</table>

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
NO subdrainage BUT CELAR GETS WET. WOULDN'T THAT LAKE LEVEL HAVE BEEN RAISED. THEY HAVE PROBLEMS WITH FLOODING SINCE ~ 1979

Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: SEPT. 1987

Firm who pumps system: JIM HAYWARD + TETRAGUT + LATOUR

Anticipated variances for system replacement: NO RESERVE AREA

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

to: lake shore
     vegetated wetland
     brook or stream
     other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>HI</th>
<th>Elev.</th>
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<tbody>
<tr>
<td></td>
<td>2.74</td>
<td>325.73</td>
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<tr>
<td>3.79</td>
<td>321.94</td>
<td></td>
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<tr>
<td>5.35</td>
<td>320.38</td>
<td></td>
</tr>
<tr>
<td>5.05</td>
<td>320.68</td>
<td></td>
</tr>
<tr>
<td></td>
<td>314.24</td>
<td></td>
</tr>
</tbody>
</table>

BM: V.P. #9 LAKE DRIVE

SEPTIC SYSTEM MAY BE NEAR GROUNDWATER TABLE

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE ARCADIA

LAND OF CONNELLO
WATER FROM LAKE
DRAINAGE

SEPTEC TANK

LAKE DRIVE

100' +
TO NEIGHBOR'S WELL

90'
TO NEIGHBOR'S SEPTIC SYSTEM

CONN. VALLEY RAILROAD

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA
SEPTIC SYSTEMS MANAGEMENT STUDY
INVENTORY FIELD FORM

Date: 12-17-87 Inspector(s): JBB / JMC
Assessors' Map: GB Lot No.: 84, 85
Address: 27 LAKE DRIVE LAKE ARCADA
Owner's Name: LARRY GONNELLO Telephone No.: 323-4289
Address: SAME
Occupant's Name: SAME (if different from above)
Lot Size: 0.16 ACRE (7,350 Sq. Ft.) Water Frontage (ft.): 210'
Residency: ✓ year-round seasonal (if seasonal, estimate number of weeks per year): 
No. of Occupants: 2 No. of Total Rooms: 5 No. of Bedrooms: 3 No. of Bathrooms: 1
Age of system (yrs.): 15
Appliances/Connections: NO dishwasher NO dehumidifier NO garbage disposal NO roof or pavement drains
✓ TO DRY WELL washing machine ✓ sump pump TO LAKE
✓ other: 
Basement/foundation type:
✓ brick or concrete block No. of total rooms: 5
✓ dry masonry stone wall No. of bedrooms: 3
✓ poured concrete wall No. of bathrooms: 1
✓ poured concrete floor
✓ concrete slab on grade
✓ piers or pilings
Well type: ✓ dug well ✓ lake
✓ driven point ✓ spring or cistern
✓ drilled rock well ✓ other: 
Depth to well intake from surface (ft.): N/A

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______ Under who's name is plan titled: _______
Plan filed with Board of Health: _______

Sewage disposal system:

- cesspool: ____ concrete block ____ steel ____ other ______

- septic tank: ____ volume (gal.) ______ depth
  ____ length ______ width
  ____ no. covers ______
  2-1/2 depth to top tank (ft.)

- distr. box ______ pump or dosing siphon

- leaching pit: ____ no. ______ diam (ft.)
  ____ depth (ft.) ______ cover
  ____ depth to top below grd.

- leaching bed: _____
  10-20 length (ft.) ______ width
  avg. depth to top (ft.)
  pipe diam (in.) ______ pipe type

- leaching trenches: ____ no. ______ length (ft.)
  ____ depth (in.) ______ width (in.)
  ____ avg. depth to top (ft.)
  ____ pipe diam (in.) ______ pipe type

- reported perc. rate (min./in.) ______ reported avg. depth to groundwater (ft. +) at leach. area

- area remaining for system's replacement

- grey water system: __ WASHING MACHINE TO SEPARATE S. TANK & LEACH PIPE (10-20'). SINK ALSO CONNECTED.

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS-ENGINEERS-LANDSCAPE ARCHITECTS
subdrainage: NONE

Comments on apparent problems: WATER IN BASEMENT FROM HIGH LAKE LEVEL.

Date of last septic tank/cesspool pumping: 3 MONTHS AGO.
Firm who pumps system: LATOUR (SAME AS MRS. HARRIS NEXT DOOR)

Anticipated variances for system replacement: NO RESERVE AREA
- LAKE WATER (30' INTO LAKE)
- Own well setback [✓]
- Neighbor's well(s) setback [✓]
- Property line(s) setback [✓]
- Percolation rate-based design [✓]
- Sideslope requirements [✓]
- Insufficient available leaching area [✓]
- Necessary work within 100-year flood plain [✓]
- Necessary work within 100-foot buffer zone [✓]

Levels:

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levels:

BM: U.P. #9 LAKE DRIVE
SILL
INVERT OUT 2.1
INVERT GREY WATER 1.3
BASEMENT FLR 5.6
GND & SYSTEM
CLOSE
LAKE LEVEL

BM:

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 1-19-88
Inspector(s): JMI, JBF
Assessors' Map: 68
Lot No.: 97 + 83
Address: 31 LAKE DRIVE
Owner's Name: ROBERT SCOTT
Address: 652 AMHERST RD, S. HADLEY
Occupant's Name: SAME
Lot Size: 0.27 AC. (11,900 Sq. Ft.)
Water Frontage (ft.): 120' +

Residency: year-round
seasonal (if seasonal, estimate number of weeks per year): 0 MONTHS
No. of Occupants: 5
Age of system (yrs.): 25 YRS
No. of Total Rooms: 3
No. of Bedrooms: 2
No. of Bathrooms: 1

Appliances/Connections: NO dishwasher
NO dehumidifier
NO washing machine
NO sump pump
NO garbage disposal
NO roof or pavement drains
other:

Basement/foundation type:
/ brick or concrete block
/ dry masonry stone wall
/ poured concrete wall

Well type:
/ dug well
/ driven point
/ drilled rock well
/ lake
/ spring or cistern
/ other:

Depth to well intake from surface (ft.): 3-5'

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. __________
Plan filed with Board of Health: __________
Under whose name is plan titled: __________

Sewage disposal system:

- cesspool: __________
- concrete block: __________
- steel: __________
- other: __________

- septic tank: __________
  - volume (gal.): __________
  - depth: __________
  - length: __________
  - width: __________
  - no. covers: __________
  - diam. (in.) covers: __________
  - tees: __________
  - baffles: __________
  - depth to top tank (ft.): __________

- distr. box: __________
- pump or dosing siphon: __________

- leaching pit: __________
  - no. leaching pit: __________
  - depth (ft.): __________
  - depth to top below grd.: __________
  - system: __________
  - cover: __________

- leaching bed: __________
  - length (ft.): __________
  - width: __________
  - avg. depth to top (ft.): __________
  - pipe diam (in.): __________
  - pipe type: __________

- leaching trenches: __________
  - no.: __________
  - length (ft.): __________
  - depth (in.): __________
  - width (in.): __________
  - avg. depth to top (ft.): __________
  - pipe diam (in.): __________
  - pipe type: __________

- reported perc. rate (min./in.): __________
- reported avg. depth to groundwater (ft. +) at leach. area: __________

**NONE** area remaining for system's replacement

- grey water system: **NONE**
subdrainage: NONE

Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: NONE

Firm who pumps system:

Anticipated variances for system replacement: NO RESERVE AREA

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

to: lake shore
vegetated wetland
brook or stream
other

Levels:

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BM: J.P. 5/3 @ LAKE DR.
SILL
BASEMENT FLR. 6.65
INVERT BENEATH CELLAR FLR. @ 2'
GROUND @ S.TANK
LAKE ELEV.

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

- Lake Drive
- Land of Monks
- Land of Gonwell

- No wells observed within 100' of S. System.

- Water from Lake

- 31 Lake Drive
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA
SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 1-28-88
Inspector(s): JMI/ JBB

Assessors' Map: 6B
Lot No.: 81, 80

Address: 35 LAKE DRIVE (8 33 LAKE DRIVE - IN FRONT) ARCADIA
Owner's Name: JAMES & ROSALIE MONKS
Telephone No.: 323-7715

Address: SAME

Occupant's Name: SAME

Lot Size: 0.20 AC. (9,025 Sq. Ft.) Water Frontage (ft.): 80'

Residency: ✓ year-round

seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: 2
Age of system (yrs.): 1958
No. of Total Rooms: 3
No. of Bedrooms: 1
No. of Bathrooms: 1

Appliances/Connections:
✓ dishwasher
✓ washing machine
✓ sump pump
✓ garbage disposal
✓ roof or pavement drains
other:

Basement/foundation type:
✓ brick or concrete block
✓ dry masonry stone wall
✓ poured concrete wall

poured concrete floor
concrete slab on grade
piers or pilings

Well type:
✓ dug well
✓ driven point
✓ drilled rock well

lake
spring or cistern
other:

Depth to well intake from surface (ft.): 298'

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. 

Plan filed with Board of Health: 

Under who's name is plan titled: 

Sewage disposal system:

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<td>volume (gal.)</td>
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<td>depth</td>
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<td>length</td>
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<tr>
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<td>diam. (in.) covers</td>
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<td></td>
<td>tees</td>
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<td>distr. box</td>
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<td>pump or dosing siphon</td>
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<tr>
<td>leaching pit</td>
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<td>diam (ft.)</td>
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<td></td>
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<td>depth (ft.)</td>
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<td></td>
<td>depth to top below grd.</td>
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<td>width</td>
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<td>3</td>
<td>avg. depth to top (ft.)</td>
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<td>4</td>
<td>&quot;pipe diam (in.) ORANGEBURG</td>
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<td>leaching trenches</td>
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<td>length (ft.)</td>
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<td>grey water system</td>
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</table>

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS-ENGINEERS-LANDSCAPE ARCHITECTS
subdrainage  NONE

Comments on apparent problems:  NONE

Date of last septic tank/cesspool pumping:  2-3 YRS AGO

Firm who pumps system:  [Name Redacted]

Anticipated variances for system replacement:  NO RESERVE AREA

- [ ] Own well setback
- [ ] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone

to:  [ ] lake shore  [ ] vegetated wetland
     [ ] brook or stream  [ ] other

Levels:

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BM: U.P. #17/A LAKE DRIVE

GND @ S.TANK
GND @ L. FIELD
INVERT OUT 2.8'
CELLAR FLR. 6.4'
SILL
RESERVE?
LAKE LEVEL
CLOSE OUT

BM: 323.06
**INVENTORY FIELD FORM**

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<th>Date:</th>
<th>12-22-87</th>
<th>Inspector(s):</th>
<th>TIM/TER</th>
<th>Assessors' Map:</th>
<th>6B</th>
<th>Lot No.:</th>
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<tbody>
<tr>
<td>Address:</td>
<td>45 LAKE DRIVE</td>
<td>Owner's Name:</td>
<td>ROBERT SYCLIFFE</td>
<td>Address:</td>
<td>69 POOLE RD</td>
<td></td>
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<tr>
<td>Owner's Name:</td>
<td>ROBERT SYCLIFFE</td>
<td>Telephone No.:</td>
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<td>Occupant's Name:</td>
<td>MARLENE SHEA</td>
<td>Lot Size:</td>
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<td>Age of system (yrs.):</td>
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<td>No. of Occupants:</td>
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<td></td>
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<tr>
<td>No. of Total Rooms:</td>
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<td>Appliances/Connections:</td>
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<td>sump-pump</td>
<td>garbage-disposal</td>
<td>roof-or-pavement-drains</td>
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<td>Basement/foundation type:</td>
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<td>Well type:</td>
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<td>lake</td>
<td>driven-point</td>
<td>spring or cistern</td>
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**M3A-6**

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
### Prior septic system inspection no.

Plan filed with Board of Health: 

Under who's name is plan titled: 

### Sewage disposal system:

- **cesspool:**
- **concrete block:**
- **steel:**
- **other:**

- **septic tank:**
  - volume (gal.): 900
  - depth
  - length PRECAST
  - width
  - no. covers
  - tees
  - depth to top tank (ft.)

- **distr. box**
- **pump or dosing siphon**

- **leaching pit:**
  - no. 900 GAL. TANK
  - as s. tank
  - diam (ft.)
  - depth (ft.)
  - cover
  - depth to top below grd.

- **leaching bed:**
  - 1 PIPE
  - length (ft.)
  - width
  - avg. depth to top (ft.)
  - 4" pipe diam (in.)
  - pipe type ORANGEBURG

- **leaching trenches:**
  - no.
  - depth (in.)
  - width (in.)
  - avg. depth to top (ft.)
  - pipe diam (in.)
  - pipe type

- **reported perc. rate (min./in.)**
- **reported avg. depth to groundwater (ft. +)**

- **area remaining for system's replacement**

- **grey water system**
subdrainage: NONE

Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: 1985
Firm who pumps system: RAY BASARA

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone
to: ✓ lake shore   ✓ vegetated wetland
       brook or stream   ✓ other

Levels:

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BM: U.P. 19.5

+3.0    328.26   SILL
-        321.06   BSMT: FLR. 7.2 (INVERT BENEATH FLOOR)
-        4.76     GND @ S-TANK
-        4.67     GND @ LEACH PIT
-        4.63     GND @ RESERVE AREA
-        -        LAKE LEVEL
-        -        -

BM:

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

- Lake Arcadia
- Well
- 45 Lake Drive
- Shed
- Septic Tanks
- Uncertain of P
- 125' C System
- Land of Parker
- Well on this lot is 100' to Sutcliff's Septic System
- Road floods in spring
- Do not know origin of this pipe at the surface.

Note: Sutcliff Septic System more then 100' from Parker Well

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: NOV 21, 1987
Assessors' Map: 68
Lot No.: 77
Address: LAKE ARCADIA, 49 LAKE DRIVE
Owner's Name: HENRY PARKER
Telephone No.: 532-4977
Address: CHICOPEE
Occupant's Name: SAME
Lot Size: 0.27 AC. (12,000 Sq. Ft.)
Water Frontage (ft.): 150' ±

Residency: ______ year-round ☑️ seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: 2
No. of Total Rooms: 4
No. of Bedrooms: 1
No. of Bathrooms: 1

Appliances/Connections:
- NO dishwasher
- NO washing machine
- NO garbage disposal
- NO sump pump
- NO dehumidifier
- NO roof or pavement drains
- other: floor drain to dry well

Basement/foundation type:
- √ brick or concrete block
- dry masonry stone wall
- poured concrete wall
- poured concrete floor
- concrete slab on grade
- piers or pilings

Well type:
- dug well
- driven point
- drilled rock well
- lake
- spring or cistern
- other: ____________

Depth to well intake from surface (ft.): 325'

I.D. No. 6DC49
SEPTIC SYSTEM MAY BE NEAR GROUNDWATER TABLE

RECOMMENDED SEPTIC SYSTEM ALTERNATIVE
No. 3, 7

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______  Under who's name is plan filed with Board of Health: _______  titled: _______

Sewage disposal system: System inspected by McGaw - State.

<table>
<thead>
<tr>
<th>Component</th>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cesspool</td>
<td>concrete block</td>
<td>_______</td>
</tr>
<tr>
<td>Septic tank</td>
<td>volume (gal.)</td>
<td>_______</td>
</tr>
<tr>
<td></td>
<td>length</td>
<td>_______</td>
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<tr>
<td></td>
<td>depth</td>
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<tr>
<td></td>
<td>width</td>
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<tr>
<td></td>
<td>no. covers</td>
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<td>tees</td>
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<td></td>
<td>depth to top tank (ft.)</td>
<td>_______</td>
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<tr>
<td>Distr. Box</td>
<td>pump or dosing siphon</td>
<td>_______</td>
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<tr>
<td>Leaching pit</td>
<td>no.</td>
<td>_______</td>
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<tr>
<td></td>
<td>diam (ft.)</td>
<td>_______</td>
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<tr>
<td></td>
<td>depth (ft.)</td>
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<td></td>
<td>cover</td>
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<td>depth to top below grd.</td>
<td>_______</td>
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<tr>
<td>Leaching bed</td>
<td>30 length (ft.)</td>
<td>_______</td>
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<tr>
<td></td>
<td>avg. depth to top (ft.)</td>
<td>_______</td>
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<tr>
<td></td>
<td>Trench width 2'</td>
<td>_______</td>
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<td></td>
<td>pipe diam (in.)</td>
<td>_______</td>
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<td>pipe type</td>
<td>perforated orangeburg</td>
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<tr>
<td>Leaching trenches</td>
<td>no.</td>
<td>_______</td>
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<tr>
<td></td>
<td>length (ft.)</td>
<td>_______</td>
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<tr>
<td></td>
<td>depth (in.)</td>
<td>_______</td>
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<td></td>
<td>avg. depth to top (ft.)</td>
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<tr>
<td></td>
<td>pipe diam (in.)</td>
<td>_______</td>
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<tr>
<td></td>
<td>pipe type</td>
<td>_______</td>
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<tr>
<td>Leaching trenches</td>
<td>30 sec/min reported perc. rate (min./in.)</td>
<td>_______</td>
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<td>reported avg. depth to groundwater (ft. +) at leach. area</td>
<td>_______</td>
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</tbody>
</table>

No area remaining for system's replacement

Grey water system: _______
subdrainage

Comments on apparent problems: 

Date of last septic tank/cesspool pumping: Never Pumped

Firm who pumps system: 

Anticipated variances for system replacement: No Reserve

✓ Own well setback

✓ Neighbor's well(s) setback

✓ Property line(s) setback

✓ Percolation rate-based design

✓ Sideslope requirements

✓ Insufficient available leaching area

✓ Necessary work within 100-year flood plain

✓ Necessary work within 100-foot buffer zone

to: ✓ lake shore ✓ vegetated wetland

✓ brook or stream ✓ other marsh

Levels:

+ 3.55
  3.89
  3.50
  2.40
  2.70

- 3.55
  3.89
  3.50
  2.40
  2.70

Eleven:

B.H.: U.P. #7/23

BM: Low.

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

RAILROAD TRACKS

MARSH

INLET

LAKE DRIVE

LAND OF CUTCLIFF

125' ±

WELL

Tolpa's well 0 100' ± to Parker's S. System

LAKE ARCADIA

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
ARCADEIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 12-16-87
Inspector(s): JBB/JMI
Assessors' Map: 105
Lot No.: 105
Address: 1 METACOMET ST. LAKE ARCADIA
Owner's Name: SONJA & ANGER NIGTO Telephone No. 549-1414
Address: 28 SACCO DRIVE AMHERST
Occupant's Name: VACANT IN PROCESS OF MOVING (if different from above)
Lot Size: 0.12 AC. (5,500 Sq. Ft.) Water Frontage (ft.): 0

Residency: ✓ year-round ___ seasonal (if seasonal, estimate number of weeks per year): 5
No. of Occupants: 4 Age of system (yrs.): 6
No. of Total Rooms: 7 No. of Bedrooms: 4 No. of Bathrooms: 1

Appliances/Connections: NO dishwasher NO dehumidifier
✓ washing machine NO sump pump
NO garbage disposal NO roof or pavement drains
NO other:

Basement/foundation type:
✓ brick or concrete block ___ poured concrete floor
___ dry masonry stone wall ___ concrete slab on grade
___ poured concrete wall ___ piers or pilings

Well type:
✓ dug well ___ lake
___ driven point ___ spring or cistern
___ drilled rock well ___ other:

Depth to well intake from surface (ft.): 7 NO PROBLEMS: W/WATER
Prior septic system inspection no. ______ Under who's name is plan filed with Board of Health: ______ titled: __________

Sewage disposal system:

- cesspool: ______ concrete block ______ steel ______ other ______

- septic tank: ______ volume (gal.) ______ depth
   ______ length ______ width
   ______ no. covers ______ diam. (in.) covers
   ______ tees ______ baffles
   ______ depth to top tank (ft.)

- distr. box ______ pump or dosing siphon

- leaching pit: ______ no. ______ diam (ft.)
   ______ depth (ft.) ______ \text{NONE} cover
   ______ depth to top below grd.

- leaching bed: ______ length (ft.) ______ width
   ______ avg. depth to top (ft.)
   ______ pipe diam (in.) ______ pipe type

- leaching trenches: ______ no. ______ length (ft.)
   ______ depth (in.) ______ width (in.)
   ______ avg. depth to top (ft.)
   ______ pipe diam (in.) ______ pipe type

- reported perc. rate (min./in.) ______ reported avg. depth to groundwater (ft. +) at leach. area

- area remaining for system's replacement

- grey water system

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: BEFORE/Dry well put in, water tended to back up, no problems now.

Date of last septic tank/cesspool pumping: AUG. 87.
Firm who pumps system: LATOUR.

Anticipated variances for system replacement: No Reserve Area.

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements

- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

to: lake shore
brook or stream
vegetated wetland
other

Levels:

<table>
<thead>
<tr>
<th>Elev.</th>
<th>BM: UP 4-31/2x</th>
</tr>
</thead>
<tbody>
<tr>
<td>322.56</td>
<td></td>
</tr>
<tr>
<td>328.90</td>
<td>SILL 2 GOD</td>
</tr>
<tr>
<td>326.70</td>
<td>INVERT OUT 2.2</td>
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<tr>
<td>323.20</td>
<td>BASEMENT FLR. 5.7</td>
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<tr>
<td>324.50</td>
<td>TP 1.0</td>
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<td>329.20</td>
<td>GRIP @ TANK</td>
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<td>329.24</td>
<td>GEN @ PIT</td>
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<tr>
<td>330.58</td>
<td>TP 2.0</td>
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<tr>
<td>314.1</td>
<td>LAKE</td>
</tr>
</tbody>
</table>

Closeout 9.03 322.55 BM: 322.56
Inventory Field Form

Date: 12-10-87
Inspector(s): KB / JM

Assessors' Map: 6B
Lot No.: 40

Address: 3 Metacomet St.
Address: 3 Metacomet St.

Owner's Name: Wateur Patenaude
Telephone No.: 323-6729

Occupant's Name: Same
Lot Size: 0.13 ac. (4,800 sq. ft.)

Water Frontage (ft.): None

Residency: √ year-round

No. of Occupants: 2
Age of system (yrs.): 1950

No. of Total Rooms: 3
No. of Bedrooms: 1
No. of Bathrooms: 1

Appliances/Connections: NO dishwasher NO dehumidifier
√ washing machine NO sump pump
NO garbage disposal NO roof or pavement drains
other: ____________

Basement/Foundation type:
√ brick or concrete block

dry masonry stone wall
poured concrete wall

poured concrete floor
concrete slab on grade
piers or pilings

Well type:

√ dug well

driven point
drilled rock well

lake
spring or cistern
other: __________________

Depth to well intake from surface (ft.): 115'

70' into gravel

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______ Under who's name is plan titled: _________

Plan filed with Board of Health: _______

Sewage disposal system:

<table>
<thead>
<tr>
<th>Cesspool:</th>
<th>Concrete block</th>
<th>Steel</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
</tbody>
</table>

Cesspool:

- **Volume (gal.)**: 
- **Depth**: 
- **Length**: 
- **No. covers**: 
- **Diam (in.) covers**: 
- **Tees**: 
- **Depth to top tank (ft.)**: 
- **Depth to top below grd.**: 
- **Cover**: 
- **Distrib. box**: 
- **Pump or dosing siphon**: 
- **Leaching pit**: 
  - **No.**: 
  - **Depth (ft.)**: 
  - **Depth to top below grd.**: 
- **Leaching bed**: 
  - **Length (ft.)**: 
  - **Width**: 
  - **Avg. depth to top (ft.)**: 
  - **Pipe diam (in.)**: 
- **Leaching trenches**: 
  - **No.**: 
  - **Length (ft.)**: 
  - **Depth (in.)**: 
  - **Width (in.)**: 
  - **Avg. depth to top (ft.)**: 
  - **Pipe diam (in.)**: 
- **Reported perc. rate (min./in.)**: 
- **Reported avg. depth to groundwater (ft.) at leach. area**: 
- **Area remaining for system's replacement**: 

<table>
<thead>
<tr>
<th>Grey water system:</th>
<th>Washing machine + sink in basement</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6' x 4' x 4'</td>
</tr>
</tbody>
</table>

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
subdrainage: NONE

Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: 1985
Firm who pumps system: HAYWARD

Anticipated variances for system replacement: NO RESERVE SYSTEM

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone
to: lake shore
vegetated wetland
brook or stream
other

Levels:

+ HI Elev. BM: U.P. * 4' 31/2 x
6.65 329.21 328.56
5.93 324.82 0.32 328.29 T.P.

4.72 330.10 DRY WELL AT GROUND
5.44 329.38 CESSPOOL AT GROUND:

4.25 330.57 SILL OF HOUSE
1.02 230.57 5.27

314 LAKE

8.00 322.57 BM: U.P. * 4' 31/2 x
Lot Sketch:

Metacomet Ct.

Land of Patenaude

Land of Nieto

Cesspool & Drywell well over 100' from lake.

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 12-18-87  Inspector(s): JBB/JMI
Assessors’ Map: 6B  Lot No.: 141
Address: 5 METACOMET ST.  LAKE ARCADIA
Owner’s Name: IRENE LARRIE  Telephone No.: ______________
Address: SAME
Occupant’s Name: SAME (if different from above)
Lot Size: 0.11 A.C. (4,950 sq. ft.)  Water Frontage (ft.): None

Residency: ☑ year-round  _____ seasonal (if seasonal, estimate number of weeks per year): ______________
No. of Occupants: 1  Age of system (yrs.): 15 yrs.
No. of Total Rooms: 2  No. of Bedrooms: 1  No. of Bathrooms: 1

Appliances/Connections: NO dishwasher  NO dehumidifier
NO washing machine  NO sump pump
NO garbage disposal  NO roof or pavement drains
other: ________________________________

Basement/foundation type:
☑ brick or concrete block  _____ poured concrete floor
_____ dry masonry stone wall  _____ concrete slab on grade
_____ poured concrete wall  _____ piers or pilings

Well type:
_____ dug well  _____ lake
_____ driven-point  _____ spring or cistern
☑ drilled rock well  _____ other: ______________

Depth to well intake from surface (ft.): ______________

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ________ Under who's name is plan titled: ________
Plan filed with Board of Health: ________

Sewage disposal system: PUT IN BY PATENA UDE

- cesspool: ______ concrete block ______ steel ______ other ________
  w/ strucco surface
- septic tank: ______ volume (gal.) ______ depth ______ width
  ______ length ______ no. covers ______ diam. (in.) covers
  ______ tees ______ baffles
  ______ depth to top tank (ft.)
- distr. box ______ pump or dosing siphon
- leaching pit: ______ no. ______ diam (ft.)
  ______ depth (ft.) ______ cover
  ______ depth to top below grd.
- leaching bed: ______ length (ft.) ______ width
  ______ avg. depth to top (ft.)
  ______ pipe diam (in.) ______ pipe type
- leaching trenches: ______ no. ______ length (ft.)
  ______ depth (in.) ______ width (in.)
  ______ avg. depth to top (ft.)
  ______ pipe diam (in.) ______ pipe type
- reported perc. rate (min./in.) ______ reported avg. depth to groundwater (ft. +) at leach. area
- area remaining for system's replacement
- grey water system

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: 2 yrs ago
Firm who pumps system: HAYWARD

Anticipated variances for system replacement:

<table>
<thead>
<tr>
<th></th>
<th>Own well setback</th>
<th>Neighbor's well(s) setback</th>
<th>Property line(s) setback</th>
<th>Percolation rate-based design</th>
<th>Sideslope requirements</th>
<th>Insufficient available leaching area</th>
<th>Necessary work within 100-year flood plain</th>
<th>Necessary work within 100-foot buffer zone</th>
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Levels:

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<td>+</td>
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</table>

M3A-6 ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ALL THESE WELLS AND SEPTIC SYSTEMS ARE 100' + TO THE LAKE.

LOT SKETCH:

META COMET STREET

Lot No.

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYS, ENGINEERS, LANDSCAPE ARCHITECTS

LOCATION OF WELL & SEPTIC SYSTEM IS UNKNOWN

LAND OF BONNER

LOCATION OF WELL & SEPTIC SYSTEM IS UNKNOWN

#5 LABRIO

#3 PATELLAUDE

RIGHT OF WAY

28' 31'

CESSPOOL

CESSPOOL

OUTR #4-3/2X TBM -
RECOMMENDED SEPTIC SYSTEM ALTERNATIVE NO. 4

INVENTORY FIELD FORM

Date: DEC. 4, 1987
Assessors' Map: 48
Lot No.: 97
Address: 4 OLIVER ST. LAKE ARCADIA
Owner's Name: ED LA FERRIERE
Address: 4 OLIVER ST
Occupant's Name: SAME (if different from above)
Lot Size: 0.46 AC. (20,037 sq. ft.)
Water Frontage (ft.): 90'
Residency: ✓ year-round ___ seasonal (if seasonal, estimate number of weeks per year): SEE PLAN BY SHERMAN
No. of Occupants: 2
Age of system (yrs.): < 1 YR (MARCH 1987)
No. of Total Rooms: 3
No. of Bedrooms: 1
No. of Bathrooms: ___

Appliances/Connections: ✓ dishwasher NO dehumidifier
NO washing machine ✓ SEPTAGE SEWAGE PUMP FOR CELLAR BATHROOM
NO garbage disposal NO roof or pavement drains
NO other: ________________

Basement/foundation type:
✓ brick or concrete block
___ dry masonry stone wall
___ poured concrete wall

Well type:
✓ dug well
___ driven point
___ drilled rock well
___ lake
___ spring or cistern
___ other: ________________

Depth to well intake from surface (ft.): 18

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ______ Under who's name is plan filed with Board of Health: ______ titled: ______

Sewage disposal system:

- cesspool: ____ concrete block ____ steel ____ other ______

√ septic tank: 1500 volume (gal.) ______ depth
10 length ______ width
2 no. covers ______ diam. (in.) covers
____ tees ______ baffles
2 depth to top tank (ft.)

√ distr. box ______ pump or dosing siphon

___ leaching pit: ____ no. ______ diam (ft.)
____ depth (ft.) ______ cover
____ depth to top below grd.

___ leaching bed: ___ length (ft.) ______ width
___ avg. depth to top (ft.) ______ pipe diam (in.) ______ pipe type

√ leaching trenches: 2 no. 30 length (ft.)
12" depth (in.) 36" width (in.)
1.5" avg. depth to top (ft.)
4" pipe diam (in.) PVC pipe type

reported perc. rate (min./in.) 2 / reported avg. depth to groundwater
GW @ 60" (ft. +) at leach. area

√ area remaining for system's replacement DESIGNED NEXT TO EXIST TRENCHES.

___ grey water system NONE

M3A-6  ALMER HUNTLEY, JR., & ASSOCIATES, INC.
        SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: NONE

IRON IN WELL WATER BUT HAVE FILTER.

Date of last septic tank/cesspool pumping: PRIOR TO NEW SYSTEM OLD SYSTEM
   GENERALLY PUMPED EVERY 2 YEARS, WAS
   PUMPED IN 12-86 AND EARLY 87.

Anticipated variances for system replacement: CENTRAL SEPTEC

Own well setback
Neighbor's well(s) setback
Property line(s) setback
Percolation rate-based design
Sideslope requirements
Insufficient available leaching area
Necessary work within 100-year flood plain

Necessary work within 100-foot buffer zone

to: lake shore
vegetated wetland
brook or stream
other

Levels:

<table>
<thead>
<tr>
<th>+HI</th>
<th>Elev.</th>
<th>BM:</th>
<th>4/12 OLLIVER ST</th>
</tr>
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<tbody>
<tr>
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<td>4/12 OLLIVER ST</td>
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<td>4.91</td>
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</table>

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE ARCADIA

LAND OF STRICKLAND

TANK

WELL

HOUSE

PUMP

77 TO NEIGHBORS S. SYSTEM

S. TANK

OLIVER ST.

H3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
# INVENTORY FIELD FORM

**Date:** July 2nd, 1983  
**Inspector(s):**

## Assessors' Map: 6B  
**Lot No.:** 98

## Address: 6 Oliver Street, Lake Arcadia

## Owner's Name:  
**Address:**

## Occupant's Name: SAME  
(if different from above)

## Lot Size: 0.36 AC. (16,000 Sq. Ft.)  
**Water Frontage (ft.):** 50'

## Residency:  
- [ ] year-round  
- [ ] seasonal  
(if seasonal, estimate number of weeks per year):

## No. of Occupants: 2  
**Age of system (yrs.):** 20'

## No. of Total Rooms: 6  
**No. of Bedrooms:**

## No. of Bathrooms: 1

## Appliances/Connections:  
- [ ] dishwasher  
- [ ] dehumidifier  
- [ ] washing machine  
- [ ] sump pump  
- [ ] garbage disposal  
- [ ] roof or pavement drains  
- [ ] other:

## Basement/foundation type:  
- [ ] brick or concrete block  
- [ ] dry masonry stone wall  
- [ ] poured concrete wall

## Well type:  
- [ ] dug well  
- [ ] lake  
- [ ] driven point  
- [ ] spring or cistern  
- [ ] drilled rock well  
- [ ] other:

## Depth to well intake from surface (ft.): 22'

---

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. Under who's name is plan
titled:

Plan filed with Board of Health:

Sewage disposal system:

- cesspool: ______ concrete block ______ steel ______ other

- septic tank: ____ volume (gal.) ______ depth
___ length ______ width
___ no. covers ______ diam. (in.) covers
___ tees ______ baffles

2 depth to top tank (ft.)

- distr. box ______ pump or dosing siphon

- leaching pit: ______ no. ______ diam (ft.)
___ depth (ft.) ______ cover
___ depth to top below grd.

- leaching bed: ______ no. ______ width
______ length (ft.) ______ pipe type
______ avg. depth to top (ft.)
______ pipe diam (in.)

- leaching trenches: ______ no. ______ length (ft.)
___ depth (in.) ______ width (in.)
___ avg. depth to top (ft.) ______ pipe type
___ pipe diam (in.)

- reported perc. rate (min./in.) ______ reported avg. depth to groundwater
  (ft. +) at leach. area

- area remaining for system's replacement

- grey water system ____________ for washer

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: 


Date of last septic tank/cesspool pumping: 3 YRS

Firm who pumps system: 

Anticipated variances for system replacement:

- [ ] Own well setback
- [ ] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone

To: ___ lake shore ___ vegetated wetland
    ___ brook or stream ___ other ____________________________

Levels:

<table>
<thead>
<tr>
<th></th>
<th>HI</th>
<th>Elev.</th>
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<tbody>
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<tr>
<td></td>
<td>4.63</td>
<td>317.17</td>
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</table>

BM: 12 ft 4/2

TP

S. TANK LID

GND & INV OUT

LAKE ELEV.

TP

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
**INVENTORY FIELD FORM**

**Date:** Nov. 21, 1987  
**Inspector(s):** JER/SMI  
**Assessors' Map:** 6R  
**Lot No.:** 74  
**Address:** Lake Arcadia, 51 Lake Drive  
**Owner's Name:** Ethal Tolpa  
**Telephone No.:** 323-5592  
**Lot No.:** 74  
**Lot Size:** 0.68 AC. (29,900 sq. ft.)  
**Water Frontage (ft.):** 580'  

**Residency:** ✓ year-round  
**seasonal (if seasonal, estimate number of weeks per year):**  
**No. of Occupants:** 2  
**Age of system (yrs.):** 29 (1958)  
**No. of Total Rooms:** 5  
**No. of Bedrooms:** 2  
**No. of Bathrooms:** 1  

**Appliances/Connections:**  
- ✓ dishwasher  
- ___ dehumidifier  
- ✓ washing machine  
- ___ sump pump  
- ___ garbage disposal  
- ___ roof or pavement drains  
- ___ other: Sink to dry well  

**Basement/foundation type:**  
- ✓ brick or concrete block  
- ___ dry masonry stone wall  
- ___ poured concrete wall  
- ___ poured concrete floor  
- ___ concrete slab on grade  
- ___ piers or pilings  

**Well type:**  
- ___ dug well  
- ___ lake  
- ___ driven point  
- ___ spring or cistern  
- ✓ drilled rock well  
- ___ other:  

**Depth to well intake from surface (ft.):** 300'  

---

H3A-6  
ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. Under who's name is plan titled:

Plan filed with Board of Health: __________

Sewage disposal system:

<table>
<thead>
<tr>
<th>Cesspool:</th>
<th>Concrete block</th>
<th>Steel</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Septic tank:</td>
<td>Volume (gal.)</td>
<td>Depth</td>
<td>Width</td>
</tr>
<tr>
<td>3' length</td>
<td>4' no. covers</td>
<td>20&quot; diam. (in.) covers</td>
<td></td>
</tr>
<tr>
<td>2' depth</td>
<td>6' depth to top tank (ft.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2' depth to top below grd.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Distributor box: Pump or dosing siphon

Leaching pit: No. Diam (ft.) Diam (ft.) Cover Depth to top below grd.

Leaching bed: Length (ft.) Width 2' avg. depth to top (ft.) 4" pipe diam (in.) Pipe type

Leaching trenches: No. Length (ft.) Depth (in.) Width (in.) Avg. depth to top (ft.) Pipe diam (in.) Pipe type

22 min reported perc. rate (min./in.) Reported avg. depth to groundwater (ft.) at leach. area

No area remaining for system's replacement

Yes grey water system Sink + washing machine
Date of last septic tank/cesspool pumping: DEC. 5, 1984
Firm who pumps system: CLAUDE LATOUR 323-4549

Anticipated variances for system replacement:

✓ Own well setback
                   
NO Neighbor's well(s) setback
                   
NO Property line(s) setback
                   
NO Percolation rate-based design
                   
✓ Sideslope requirements
                   
✓ Insufficient available leaching area
                   
NO Necessary work within 100-year flood plain
                   
✓ Necessary work within 100-foot buffer zone
                   
      to:  ✓ lake shore               ✓ vegetated wetland
                      ✓ brook or stream              ✓ other MARSH

Levels:

+  HI         Elev.                  
 3.20        163.20              320.53
            163.35
            319.36
            316.83
            317.34
            314.10
            316.33
            318.03
            279.03
            317.35

BM: CLOSE

SEPTIC SYSTEM MAY BE NEAR GROUNDWATER TABLE

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 1-19-88 Inspector(s): JHE/JBE
Assessors' Map: GB Lot No.: 100
Address: 7 OLIVER ST. LAKE ARCADIA
Owner's Name: EILEEN GRIFIN Telephone No.: 323-7832
Address: 7 OLIVER ST. 733-2180
Occupant's Name: SAME (if different from above)

Lot Size: 0.51 AC. (22,350 sq ft.)  Water Frontage (ft.): 80'
Residency:  \checkmark  year-round seasonal (if seasonal, estimate number of
2ND HOME  20 WEEKENDS weeks per year):

No. of Occupants: 1-5 Age of system (yrs.): 22
No. of Total Rooms: 5 No. of Bedrooms: 3 No. of Bathrooms: 1

Appliances/Connections:  \checkmark  dishwasher NO dehumidifier
NO washing machine NO sump pump
NO garbage disposal NO roof or pavement drains
other:

Basement/foundation type:
\checkmark  brick or concrete block
NO dry masonry stone wall
NO poured concrete wall

Well type: \checkmark  dug well
NO driven point
NO drilled rock well

Depth to well intake from surface (ft.): 15'-20'

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
Prior septic system inspection no. ______
Plan filed with Board of Health: ______
Under who's name is plan titled: __________

Sewage disposal system:

☐ cesspool: _____ concrete block _____ steel _____ other ______

☐ septic tank: ______ volume (gal.) ______ depth
______ length ______ PRECAST
______ dome ______ G-G' DIA.
______ no. covers ______ diam. (in.) covers
______ tees ______ baffles
______ depth to top tank (ft.)

☐ distr. box ______ pump or dosing siphon

☐ leaching pit: ______ no. ______ diam (ft.)
______ depth (ft.) ______ cover
______ depth to top below grd. ______

☐ leaching bed: ______ length (ft.) ______ width
______ avg. depth to top (ft.) ______
______ pipe diam (in.) ______ pipe type

☐ leaching trenches: ______ no. ______ length (ft.)
______ depth (in.) ______ width (in.)
______ avg. depth to top (ft.) ______
______ pipe diam (in.) ______ pipe type

☐ reported perc. rate (min./in.) ______ reported avg. depth to groundwater
( ft. + ) at leach. area

NONE area remaining for system's replacement

NONE grey water system
Comments on apparent problems: HIGH IRON CONTENT IN WATER
DON'T DRINK WATER

Date of last septic tank/cesspool pumping: 5-6 YRS. AGO
Firm who pumps system: HAYWARD

Anticipated variances for system replacement:

- ✓ Own well setback
- ✓ Neighbor's well(s) setback
- ✓ Property line(s) setback
- ✓ Percolation rate-based design
- ✓ Sideslope requirements
- ✓ Insufficient available leaching area
- ✓ Necessary work within 100-year flood plain
- ✓ Necessary work within 100-foot buffer zone

to:
- lake shore
- vegetated wetland
- brook or stream
- other

Levels:

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<td>BM: 317.65</td>
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</table>

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE ARCADIA

LAND OF DILLARD

LAND OF KACZMAREK

E. Griffin

SEPTIC TANK

WELL

86' 4"

46' 4"

10' 0"

100' 4"

LAND OF R. BUTLER

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 1-19-88
Inspector(s): JMT/JBB
Assessors' Map: GB
Lot No.: 99
Address: 9 OLIVER ST. LAKE ARCADIA
Owner's Name: EDWIN KACZMARSKI
Telephone No.: 583-6254
Address: 36 BELMONT ST. LUDLOW, MA 01056
Occupant's Name: SAME
Lot Size: 0.22 AC. (9,900 Sq. Ft.)
Water Frontage (ft.): 90'

Residency: ______ year-round

Seasonal (if seasonal, estimate number of weeks per year): 5 MONTHS

No. of Occupants: 3
Age of system (yrs.): 25 YRS

No. of Total Rooms: 3
No. of Bedrooms: 1
No. of Bathrooms: 1

Appliances/Connections: NO dishwasher
NO dehumidifier
NO washing machine
NO sump pump
NO garbage disposal
NO roof or pavement drains
other:

Basement/foundation type:
BRICK OR CONCRETE BLOCK
DRIED MASONRY STONE WALL
POURED CONCRETE WALL

Well type:
DUG WELL
DRIVEN POINT
DRILLED ROCK WELL

Lake
Spring or cistern
other:

Depth to well intake from surface (ft.): 15'-18'

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
Prior septic system inspection no. __________ 
Plan filed with Board of Health: __________

Under who's name is plan titled: __________

Sewage disposal system:

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<th>Item</th>
<th>Details</th>
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<td>septic tank:</td>
<td>1000 gal.</td>
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<tr>
<td></td>
<td>length</td>
</tr>
<tr>
<td></td>
<td>no. covers</td>
</tr>
<tr>
<td></td>
<td>depth</td>
</tr>
<tr>
<td></td>
<td>width</td>
</tr>
<tr>
<td></td>
<td>12&quot; diam. (in.)</td>
</tr>
<tr>
<td></td>
<td>baffles</td>
</tr>
<tr>
<td></td>
<td>INVERT C 3 1/2</td>
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<tr>
<td>distr. box:</td>
<td>pump or dosing siphon</td>
</tr>
<tr>
<td>leaching pit:</td>
<td>no.</td>
</tr>
<tr>
<td></td>
<td>depth (ft.)</td>
</tr>
<tr>
<td></td>
<td>cover</td>
</tr>
<tr>
<td></td>
<td>depth to top below grd.</td>
</tr>
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<td>avg. depth to top (ft.)</td>
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<td>4&quot; pipe diam (in.)</td>
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<td>leaching trenches:</td>
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<td>depth (in.)</td>
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<tr>
<td></td>
<td>width (in.)</td>
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<td>reported avg. depth to groundwater (ft. +) at leach. area</td>
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<tr>
<td>area remaining for system's replacement</td>
<td></td>
</tr>
<tr>
<td>grey water system:</td>
<td>NONE</td>
</tr>
</tbody>
</table>
Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: NEVER PUMPED
Firm who pumps system:

Anticipated variances for system replacement:

- √ Own well setback
- √ Neighbor's well(s) setback
- NO Property line(s) setback
- NO Percolation rate-based design
- NO Sideslope requirements
- ? Insufficient available leaching area
- NO Necessary work within 100-year flood plain
- √ Necessary work within 100-foot buffer zone

To:
- ✔ lake shore
- ✔ vegetated wetland
- □ brook or stream
- □ other

Levels:

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<thead>
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<th>+</th>
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<th>-</th>
<th>Elev.</th>
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</tr>
<tr>
<td>Closest</td>
<td></td>
<td>8.19</td>
<td>317.65</td>
</tr>
</tbody>
</table>

BM: V.P. # 4 1/2
GND = TANK
GND = LEACH
SILL
GND = RESERVE
Lake, elev.

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE ARCADIA

LAND OF DEMBEK

LOCATION OF WELL IS 100' TO KACZMARSKI SEPTIC SYSTEM

#9 OLIVER ST.

S-TANK

WELL

PINE

RETAINING WALL

APPROX. AREA OF LEACH PIPE

POSSIBLE RESERVE AREA

DISTANCE TO DEMBEK'S WELL IS UNKNOWN.
BELIEVE IT'S 100'
To Whom It May Concern:

This letter is in reply to your letter concerning the septic system on the property at 9 Oliver H. Bedgood Rd. The septic tank is approximately 1000 gal. with a distribution box and about 70 ft of leaching fields.

Please call 413-583-6254 for further information.

Yours Truly,

E. K.
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 12-16-87
Assessors' Map: (03)
Lot No.: 96
Address: 11 TOWN BEACH RD LAKE ARCADIA
Owner's Name: Bonnie Studnick Telephone No.: 313-5778
Address: 558 FEDERAL ST.
Occupant's Name: Jeff Denhart (if different from above)
Lot Size: 0.49 AC. (21,400 Sq. Ft.)
Water Frontage (ft.): 90'
Residency: ✓ year-round
seasonal (if seasonal, estimate number of weeks per year):
No. of Occupants: 3
Age of system (yrs.):
No. of Total Rooms: 4
No. of Bedrooms: 2-3
No. of Bathrooms: 1
Appliances/Connections: dishwasher
dehumidifier
washing machine
sump pump
garbage disposal
roof or pavement drains
top:____________________

Basement/foundation type:
brick or concrete block
dry masonry stone wall
poured concrete floor
dry concrete wall
concrete slab on grade
piers or pilings

Well type: ✓ dug well
lake
driven point
spring or cistern
drilled rock well
other:____________________

Depth to well intake from surface (ft.): 20'

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. __________ Under who's name is plan __________
Plan filed with Board of Health: yes / no __________ titled: John H. Rags __________

I.D. No. __________

Sewage disposal system: BUILT BY RESE

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cesspool</td>
<td>concrete block / steel / other</td>
</tr>
<tr>
<td>Septic tank</td>
<td>600 gal. volume (gal.) 3 depth 4 width no. covers 5 diam. (in.) covers 6 tees 7 baffles depth to top tank (ft.)</td>
</tr>
<tr>
<td>Distribution box</td>
<td>pump or dosing siphon</td>
</tr>
<tr>
<td>Leaching pit</td>
<td>no. 3 diam (ft.) depth (ft.) cover depth to top below grd.</td>
</tr>
<tr>
<td>Leaching bed</td>
<td>40 ft. length (ft.) (2 of them) 3 width dist between lines 0-15 34&quot; avg. depth to top (in.) pipe diam (in.) pipe type 50 ft² absorption area</td>
</tr>
<tr>
<td>Leaching trenches</td>
<td>no. 3 length (ft.) width (in.) avg. depth to top (ft.) pipe diam (in.) pipe type</td>
</tr>
</tbody>
</table>

Reported perc. rate (min./in.) __________ reported avg. depth to groundwater (ft. +) at leach. area

Area remaining for system's replacement

Grey water system
Comments on apparent problems: ________________________________

Date of last septic tank/cesspool pumping: ____________________________
Firm who pumps system: ___________________________________________

Anticipated variances for system replacement:

- ✔ Own well setback
- ✔ Neighbor's well(s) setback
- NO Property line(s) setback
- NO Percolation rate-based design
- NO Sideslope requirements
- ✔ Insufficient available leaching area
- NO Necessary work within 100-year flood plain
- ✔ Necessary work within 100-foot buffer zone

Levels:

<table>
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<tr>
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<th>BM: U.P. #2</th>
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SEPTIC SYSTEM MAY BE NEAR GROUNDWATER TABLE
**ARCADIA AND METACOMET LAKES**  
**BELCHERTOWN, MA**  
**SEPTIC SYSTEMS MANAGEMENT STUDY**

**INVENTORY FIELD FORM**

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date:</td>
<td>12-31-87</td>
</tr>
<tr>
<td>Inspector(s):</td>
<td>JRP/JMH</td>
</tr>
<tr>
<td>Assessors' Map:</td>
<td>Lot E</td>
</tr>
<tr>
<td>Lot No.:</td>
<td>95</td>
</tr>
</tbody>
</table>
| Address:                                   | 17 TOWN REACH P.O.  
| LAKE ARCADIA                               |             |
| Owner's Name:                              | STANLEY WILDE  
| Telephone No.:                             | 567-8175    |
| Address:                                   | 19 STONE TP Lt.  
| Long E.                                   |             |
| Occupant's Name:                           |             |
| Lot Size:                                  | 0.32 AC. (14,750 Sq. Ft.) + Water Frontage (ft.): 100' + |
| Residency:                                 | year-round |
| Seasonal (if seasonal, estimate number of weeks per year): | 4 WKS/YR. |
| No. of Occupants:                         | 3-4         |
| Age of system (yrs.):                     | 12 ± 45     |
| No. of Total Rooms:                       | 5           |
| No. of Bedrooms:                          | 3           |
| No. of Bathrooms:                         | 1           |
| Appliances/Connections:                   | dishwasher  
|                                           | dehumidifier |
|                                           | washing machine  
|                                           | sump-pump  
|                                           | garbage-disposal  
|                                           | roof or pavement drains  
|                                           | other:       |
| Basement/foundation type:                 | brick or concrete block  
|                                           | dry masonry stone wall  
|                                           | poured concrete wall  
| Well type:                                 | dug well  
|                                           | driven point  
|                                           | drilled rock well  
|                                           | lake  
|                                           | spring or cistern  
|                                           | other:       |
| Depth to well intake from surface (ft.):  | 20'         |

**ALMER HUNTLEY, JR., & ASSOCIATES, INC.**  
**SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS**
Prior septic system inspection no. _______ Under who's name is plan filed with Board of Health: _______ titled: ________________

Sewage disposal system:

- cesspool: ______ concrete block ______ steel ______ other ______

- septic tank: ___ volume (gal.) REPLACED APPROX. ___ depth
  ___ length 12 YRS AGO ___ width
  ___ no. covers 8 by JOHN ___ diam. (in.) covers
  ___ tees REGS. ___ baffles

- depth to top tank (ft.)

- distr. box ______ pump or dosing siphon

- leaching pit: ___ no. ___ diam (ft.)
  ___ depth (ft.) ___ cover
  ___ depth to top below grd.

- leaching bed: ___ length (ft.) ___ width
  ___ avg. depth to top (ft.)
  ___ pipe diam (in.) ___ pipe type

- leaching trenches: ___ no. ___ length (ft.)
  ___ depth (in.) ___ width (in.)
  ___ avg. depth to top (ft.)
  ___ pipe diam (in.) ___ pipe type

- reported perc. rate (min./in.) ___ reported avg. depth to groundwater (ft.) at leach. area

- area remaining for system's replacement (PUMPED)

- grey water system WASHING MACHINE TO DRYWELL
Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: NOT PUMPED

Firm who pumps system:

Anticipated variances for system replacement:

✓ PUMPED SYSTEM

✓ Own well setback

✓ Neighbor's well(s) setback

✓ Property line(s) setback

✓ Percolation rate-based design

✓ Sideslope requirements

✓ Insufficient available leaching area

✓ Necessary work within 100-year flood plain

✓ Necessary work within 100-foot buffer zone to:

lake shore

vegetated wetland

brook or stream

other

Levels:

+ 3.48 329.22 - 325.74

9.77 319.45

9.94 319.28

11.65 317.37

5.56 323.66

6.80 322.42

HI GND @ S. TANK

Elev. GND @ L. FIELD

BM: UP #4 @ TOWN BEACH RD.

GND @ DRY WELL

GND @ RESERVE AREA (PUMPED)

SWL @ INVERT OUT

lake elev.

319.82

316.02

CELLAR FLOOR 6.4'

BM: CLOSE

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
## ARCADIA AND METACOMET LAKES
### BELCHERTOWN, MA
#### SEPTIC SYSTEMS MANAGEMENT STUDY

### INVENTORY FIELD FORM

<table>
<thead>
<tr>
<th>Date:</th>
<th>12-22-87</th>
</tr>
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<tbody>
<tr>
<td>Inspector(s):</td>
<td>28/29</td>
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<tr>
<td>Lot No.:</td>
<td>93</td>
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<tr>
<td>Assessor's Map:</td>
<td>6</td>
</tr>
<tr>
<td>Address:</td>
<td>24 TWIN PEAK RD, LAKE ARCADIA</td>
</tr>
<tr>
<td>Owner's Name:</td>
<td>CURTIN LANE WELLS</td>
</tr>
<tr>
<td>Telephone No.:</td>
<td>353-554</td>
</tr>
<tr>
<td>Address:</td>
<td>107 PENICHE RD, ARCADIA</td>
</tr>
<tr>
<td>Occupant's Name:</td>
<td>CURTIN LANE WELLS (if different from above)</td>
</tr>
<tr>
<td>Lot Size:</td>
<td>0.16AC (7,225 sq. ft.)</td>
</tr>
<tr>
<td>Water Frontage (ft.):</td>
<td>100</td>
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<tr>
<td>Residency:</td>
<td>√ year-round</td>
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<tr>
<td>No. of Occupants:</td>
<td>4</td>
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<tr>
<td>Age of system (yrs.):</td>
<td>9</td>
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<tr>
<td>No. of Total Rooms:</td>
<td>6</td>
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<tr>
<td>No. of Bedrooms:</td>
<td>3</td>
</tr>
<tr>
<td>No. of Bathrooms:</td>
<td>1</td>
</tr>
<tr>
<td>Appliances/Connections:</td>
<td>NO dishwasher NO dehumidifier</td>
</tr>
<tr>
<td></td>
<td>√ washing machine NO sump pump</td>
</tr>
<tr>
<td></td>
<td>NO garbage disposal NO roof or pavement drains</td>
</tr>
<tr>
<td></td>
<td>other:</td>
</tr>
<tr>
<td>Basement/foundation type:</td>
<td>√ brick or concrete block</td>
</tr>
<tr>
<td></td>
<td>__ dry masonry stone wall</td>
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<td>__ poured concrete wall</td>
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<tr>
<td>Well type:</td>
<td>√ dug well</td>
</tr>
<tr>
<td></td>
<td>____ lake</td>
</tr>
<tr>
<td></td>
<td>____ driven-point</td>
</tr>
<tr>
<td></td>
<td>____ spring or cistern</td>
</tr>
<tr>
<td></td>
<td>____ drilled rock well</td>
</tr>
<tr>
<td></td>
<td>____ other:</td>
</tr>
<tr>
<td>Depth to well intake from surface (ft.):</td>
<td>20 1/2</td>
</tr>
</tbody>
</table>

M3A-6

ALMER, HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______  Under who's name is plan titled: _______
Plan filed with Board of Health: _______

Sewage disposal system: Mike Harrington may have plans

_cesspool:_ ____ concrete block ____ steel ____ other ________

_septic tank:_ ____ volume (gal.) ____ depth
___ length __ width
___ no. covers __ diam. (in.) covers
___ tees __ baffles
___ depth to top tank (ft.)

_distr. box_ ____ pump or dosing siphon

_leaching pit:_ ____ no. __ diam (ft.)
___ depth (ft.) __ cover
___ depth to top below grd.

_leaching bed:_ ____ length (ft.) __ width
___ avg. depth to top (ft.)
___ pipe diam (in.) __ pipe type

_leaching trenches:_ ____ no. __ length (ft.)
___ depth (in.) __ width (in.)
___ avg. depth to top (ft.)
___ pipe diam (in.) __ pipe type

_reported perc. rate (min./in.) ______ reported avg. depth to groundwater (ft. +) at leach. area

__ area remaining for system's replacement

? grey water system

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Date of last septic tank/cesspool pumping: 
Firm who pumps system: 

Anticipated variances for system replacement:

- [ ] Own well setback
- [ ] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design (railroad bed or fill?)
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone

to:  

- [ ] lake shore
- [ ] vegetated wetland
- [ ] brook or stream
- [ ] other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>HI</th>
<th>Elev.</th>
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<td>0.67</td>
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<td>327.04</td>
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<td>323.44</td>
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BM: U.P. #4 TOWN BEACH RD., GROUND LEVEL (SYSTEM)

SILL: (0.67)

lake level

INN. OUT: 2.9

CELLAR LEVEL: 6.5

BM:
Lot Sketch:

NO RESERVE SHOWING. CANNOT MAINTAIN 10' OFF ROAD AND STAY AWAY FROM EMBANKMENT.
AND MAINTAIN 100' CLEARANCE FROM EACH WELL.
therefore perhaps well could be relocated.

RAILROAD TRACKS
STEEP EMBANKMENT

140' of

RIGHT OF WAY

GARDEN
L. PIT

HOUSE

100' x

TOWN BEACH RD

NO NEIGHBORING WELLS OBSERVED WITHIN 100' OF SEPTIC SYSTEM

TOWN BEACH

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 11/27/84 Inspector(s): 12/12/84
Assessors' Map: GB Lot No.: 94
Address: LAKE ARCADIA
Owner's Name: Telephone No.: _
Address: 
Occupant's Name: (if different from above)
Lot Size: 4 AC. (174,000 Sq. Ft.) Water Frontage (ft.): 450'

Residency: __ year-round ______ seasonal (if seasonal, estimate number of weeks per year): 
No. of Occupants: VARIABLE Age of system (yrs.): 
No. of Total Rooms: 2 No. of Bedrooms: 0 No. of Bathrooms: 

Appliances/Connections: ___ dishwasher ___ dehumidifier
___ washing machine ___ sump pump
___ garbage disposal ___ roof or pavement drains
___ other: ___

No. BASEMENT
Basement/foundation type:
___ brick or concrete block ___ poured concrete floor
___ dry masonry stone wall ___ concrete slab on grade
___ poured concrete wall ___ piers or pilings

Well type: ___ dug well ___ lake
___ driven point ___ spring or cistern
___ drilled rock well ___ other: ___

Depth to well intake from surface (ft.): 4100'

MJA-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______ Under who's name is plan titled: _______
Plan filed with Board of Health: _______

Sewage disposal system:

___ cesspool: ___ concrete block ___ steel ___ other _______

√ septic tank: ___ volume (gal.) ___ depth
___ length ___ width
___ no. covers ___ diam. (in.) covers
___ diams ___ baffles
___ depth to top tank (ft.)

___ distr. box ___ pump or dosing siphon

___ leaching pit: ___ no. ___ diam (ft.)
___ depth (ft.) ___ cover
___ depth to top below grd.

___ leaching bed: ___ length (ft.) ___ width
___ avg. depth to top (ft.)
___ pipe diam (in.) ___ pipe type

___ leaching trenches: ___ no. ___ length (ft.)
___ depth (in.) ___ width (in.)
___ avg. depth to top (ft.)
___ pipe diam (in.) ___ pipe type

___ reported perc. rate (min./in.) ___ reported avg. depth to groundwater (ft. +) at leach. area

___ area remaining for system's replacement

___ grey water system ________________

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
**Subdrainage**

Comments on apparent problems:

Date of last septic tank/cesspool pumping: ________________

Firm who pumps system: ________________________________

Anticipated variances for system replacement:

- [ ] Own well setback
- [ ] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone

To:  

Lake shore  
Vegetated wetland  
Brook or stream  
Other ________________________________

Levels:

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<th>+ 0.86</th>
<th>H1 326.60</th>
<th>-</th>
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<td>3.34</td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td>TP</td>
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</tbody>
</table>

BM: Closeout

---

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE ARCADIA

TOWN BEACH

130'

SEPTIC TANK

RESERVE

BATH HOUSE

105'

WELL

+108'

TO KABAR SYSTEM

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
INVENTORY REPORT FORMS

LAKE HOLLAND

Section 2
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: DEC. 4, 1987
Inspector(s): JEB/ JMJ
Assessors' Map: 6B
Lot No.: 34
Address: 21 CHANNEL DRIVE
Owner's Name: WILLIAM CAREY
Telephone No.: 323-6879
Address: SAME

Occupant's Name: SAME (if different from above)
Lot Size: 1/2 AC (21.7805' x)
Water Frontage (ft.): NONE

Residency: ☑ year-round
seasonal (if seasonal, estimate number of weeks per year): ____________

No. of Occupants: 2
Age of system (yrs.): 1954
No. of Total Rooms: 6
No. of Bedrooms: 3
No. of Bathrooms: 1

Appliances/Connections:

☑ dishwasher
don't use it
☑ washing machine
☑ dry well
☑ garbage disposal
☐ dehumidifier use occasionally
☑ septic tank
☑ sump pump
☑ roof or pavement drains
☐ other: ____________

Basement/foundation type:

☑ brick or concrete block
☐ dry masonry stone wall
☐ poured concrete wall

Well type:

☑ dug well
☐ driven point
☐ drilled rock well
☐ lake
☐ spring or cistern
☐ other: ____________

Depth to well intake from surface (ft.): 20' to 25'
<table>
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<th>Description</th>
<th>Details</th>
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<td>Plan filed with Board of Health:</td>
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<tr>
<td>Sewage disposal system:</td>
<td></td>
</tr>
<tr>
<td>cesspool:</td>
<td>concrete block</td>
</tr>
<tr>
<td>septic tank:</td>
<td>4000 volume (gal.)</td>
</tr>
<tr>
<td></td>
<td>6' length</td>
</tr>
<tr>
<td></td>
<td>1 no. covers</td>
</tr>
<tr>
<td></td>
<td>2 no. tees</td>
</tr>
<tr>
<td></td>
<td>2 depth to top tank (ft.)</td>
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<tr>
<td>distr. box:</td>
<td>pump or dosing siphon</td>
</tr>
<tr>
<td>leaching pit:</td>
<td>no.</td>
</tr>
<tr>
<td></td>
<td>depth (ft.)</td>
</tr>
<tr>
<td></td>
<td>depth to top below grd.</td>
</tr>
<tr>
<td>leaching bed:</td>
<td>length (ft.)</td>
</tr>
<tr>
<td></td>
<td>avg. depth to top (ft.)</td>
</tr>
<tr>
<td></td>
<td>pipe diam (in.)</td>
</tr>
<tr>
<td>leaching trenches:</td>
<td>no.</td>
</tr>
<tr>
<td></td>
<td>length (ft.)</td>
</tr>
<tr>
<td></td>
<td>width</td>
</tr>
<tr>
<td></td>
<td>pipe type</td>
</tr>
<tr>
<td>reported perc. rate (min./in.)</td>
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<tr>
<td>reported avg. depth to groundwater(ft.+) at leach.</td>
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<tr>
<td>area remaining for system's replacement</td>
<td></td>
</tr>
<tr>
<td>grey water system:</td>
<td>grey water system for washing machine</td>
</tr>
</tbody>
</table>
During pumping in 1984, clear water entered the system from a pipe leading away from the house.

Date of leak explicit tank/casspool pumping: Spring 1987

Ancillary system: Central Septic, Latour 3 yrs before

Listed causes for system replacement:

- Old well setback
- Neighbors' setback
- Property line(s) setback
- Permitting or reconfigured design
- Building regulations
- Insufficient available leaching area
- Boundary work within 100-year flood plain
- Boundary work within 100-foot buffer zone

- lakes above
- vegetated wetland
- other

<table>
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<th>W.s.</th>
<th>Elev.</th>
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<td>5.95</td>
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<td>5.23</td>
<td>333.51</td>
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<tr>
<td>3.16</td>
<td>333.95</td>
</tr>
<tr>
<td>3.09</td>
<td>336.02</td>
</tr>
</tbody>
</table>

BM: Closeout up 2'/2

100.00 assumed BM: N pole 2'/2

GND @ s. tank (leach pit?)
GND @ leach field?
GND @ dry well (grey water)
Sill @ house
Reserve area (GND)
Lake elev.

BM: Closeout 1.3'
Cellar floor 6.7'

ACME HUNTLEY, JR., & ASSOCIATES, INC.
SPECIALISTS - ENGINEERS - LANDSCAPE ARCHITECTS
HOLLAND POND

LAND OF TOLPA JR.

EST. S

30'

grey water

probable
leach pipe
location

wo white birches

RESERVE AREA

LAND OF SOPHIAN

NEIGHBOR REFUSES TO BE INTERVIEWED THEREFORE WELL AND S. SYSTEM LOCATIONS ARE UNKNOWN.

H3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
INVENTORY FIELD FORM

Date: FEB. 4, 1988
Inspector(s): JMI / JBD

Assessors' Map: 68
Lot No.: 35

Address: 32 CHANNEL DRIVE LAKE HOLCAND

Owner's Name: JOSEPH TOLPA, JR.
Telephone No.: 

Address: SAME

Occupant's Name: SAME (if different from above)

Lot Size: 1/6 ACRE ±
Water Frontage (ft.): 130' ±

Residency: ✓ year-round
seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: 
Age of system (yrs.): NEW LEACH PIT, 1974

No. of Total Rooms: 
No. of Bedrooms: 2
No. of Bathrooms:

Appliances/Connections: dishwasher
dehumidifier
washing machine
sump pump
garbage disposal
roof or pavement drains
other:

Basement/foundation type:
brick or concrete block
dry masonry stone wall
poured concrete wall

Well type:
dug well
driven point
drilled rock well
lake
spring or cistern
other:

Depth to well intake from surface (ft.): 

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______  Under who's name is plan
Plan filed with Board of Health: _______  titled: _______________________

Sewage disposal system:

☐ cesspool:  ____ concrete block  ____ steel  ____ other ______
☐ septic tank:  ____ volume (gal.)  ____ depth
  ____ length  ____ width
  ____ no. covers  ____ diam. (in.) covers
  ____ tees  ____ baffles
  ____ depth to top tank (ft.)

☐ distr. box  ____ pump or dosing siphon

√ leaching pit:  ____ no. 10' x 20'  ____ diam (ft.)
  ____ depth (ft.)  ____ cover
  ____ depth to top below grd.

☐ leaching bed:  ____ length (ft.)  ____ width
  ____ avg. depth to top (ft.)
  ____ pipe diam (in.)  ____ pipe type

☐ leaching trenches:  ____ no.  ____ length (ft.)
  ____ depth (in.)  ____ width (in.)
  ____ avg. depth to top (ft.)
  ____ pipe diam (in.)  ____ pipe type

☐ reported perc. rate (min./in.) 2½  reported avg. depth to groundwater
  (ft. +) at leach. area

NONE  area remaining for system's replacement

☐ grey water system ___________________________________
Comments on apparent problems: **WOULD LIKE GOOD DRINKING WATER**

Date of last septic tank/cesspool pumping: __________________________
Firm who pumps system: __________________________

Anticipated variances for system replacement:

- ✓ Own well setback
- ✓ Neighbor's well(s) setback
- ✓ Property line(s) setback
- NO Percolation rate-based design
- NO Sideslope requirements
- ✓ Insufficient available leaching area
- ✓ Necessary work within 100-year flood plain
- ✓ Necessary work within 100-foot buffer zone

To: ✓ lake shore ______ vegetated wetland
     ______ brook or stream ______ other

Levels:

<table>
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<th>BM</th>
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</table>

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
No. 

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

TOWN OF BELCHERTOWN

Application for Disposal Works Construction Permit

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

**_CHANNEL DRIVE**

<table>
<thead>
<tr>
<th>Location Address</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOSEPH TOLPA, JR. (Lessee)</td>
<td>BELCHERTOWN</td>
</tr>
<tr>
<td>DONALD COLE (Inst)</td>
<td>BELCHERTOWN</td>
</tr>
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</table>

Type of Building

<table>
<thead>
<tr>
<th>Dwelling - No. of Bedrooms</th>
<th>Expansion Attic</th>
<th>Other - Type of Building</th>
<th>No. of persons</th>
<th>Showers</th>
<th>Cafeteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
<td></td>
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</table>

Other fixtures

<table>
<thead>
<tr>
<th>Design Flow</th>
<th>50 gallons per person per day. Total daily flow</th>
<th>200 gallons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Septic Tank</td>
<td>Liquid capacity</td>
<td>Length</td>
</tr>
<tr>
<td>Disposal Trench</td>
<td>No.</td>
<td>Width</td>
</tr>
<tr>
<td>Seepage Pit No.</td>
<td>Diameter</td>
<td>Depth below inlet</td>
</tr>
<tr>
<td>Other Distribution box</td>
<td>Dosing tank</td>
<td></td>
</tr>
</tbody>
</table>

Percolation Test Results

| Test Pit No. 1 | 2.12 minutes per inch | Depth of Test Pit | 35" | Depth to ground water | 0" |
| Test Pit No. 2 | 1.3 minutes per inch | Depth of Test Pit |

Description of Soil

Nature of Repairs or Alterations

Agreement:

The undersigned agrees to install the aforesaid 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: 

John T. Page, Chairman

Date: May 1, 1974

Application Approved By:

[Stamp]

Application Disapproved for the following reasons:

<table>
<thead>
<tr>
<th>Permit No.</th>
<th>Issued</th>
</tr>
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</table>
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA
SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 12-30-87
Inspector(s): JBR/1MI
Assessors' Map: GB
Lot No.: 73
Address: 58 CHANNEL DRIVE
Owner's Name: JOSEPH TOLPA
Telephone No.: 723-6639
Occupant's Name: SAME
Address: 58 CHANNEL DRIVE
Lot No.: 73
Water Frontage (ft.): 730'
Residency: ✓ year-round
seasonal (if seasonal, estimate number of weeks per year):
No. of Occupants: 2
Age of system (yrs.): 15
No. of Total Rooms: 7
No. of Bedrooms: 3
No. of Bathrooms: 1
Appliances/Connections:
✓ washing machine ✓ sump pump
✓ dishwasher NO dehumidifier
NO garbage disposal
No. of Occupants: 2
No. of Total Rooms: 7
No. of Bedrooms: 3
No. of Bathrooms: 1
Appliances/Connections:
✓ washing machine ✓ sump pump
✓ dishwasher NO dehumidifier
NO garbage disposal
No. of Occupants: 2
No. of Total Rooms: 7
No. of Bedrooms: 3
No. of Bathrooms: 1
Appliances/Connections:
✓ washing machine ✓ sump pump
✓ dishwasher NO dehumidifier
NO garbage disposal
No. of Occupants: 2
No. of Total Rooms: 7
No. of Bedrooms: 3
No. of Bathrooms: 1
Appliances/Connections:
✓ washing machine ✓ sump pump
✓ dishwasher NO dehumidifier
NO garbage disposal

Basement/foundation type:
✓ brick or concrete block
✓ dry masonry stone wall
✓ poured concrete wall
✓ poured concrete floor
✓ concrete slab on grade
✓ piers or pilings
✓ crawl space
Well type:
✓ dug well
✓ driven point
✓ drilled rock well
✓ lake
✓ spring or cistern
✓ other:

Depth to well intake from surface (ft.): 10'

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no.     Under who's name is plan
Plan filed with Board of Health:     titled:

Sewage disposal system:

- cesspool: concrete block     steel     other

- septic tank: volume (gal.)
  - domeshaped
  - length
  - width
  - no. covers
  - diam. (in.) covers
  - tees
  - baffles
  - depth to top tank (ft.)

- distr. box
  - pump or dosing siphon

- leaching pit: no.
  - diam (ft.)
  - depth (ft.)
  - cover
  - depth to top below grd.

- leaching bed: length (ft.)
  - 30'
  - width
  - avg. depth to top (ft.)
  - pipe diam (in.)
  - PVC pipe type
    - STONE DOWN 7-8'

- leaching trenches: no.
  - length (ft.)
  - depth (in.)
  - width (in.)
  - avg. depth to top (ft.)
  - pipe diam (in.)

- reported perc. rate (min./in.)
- reported avg. depth to groundwater
  - (ft.) at leach. area

- area remaining for system's replacement

- grey water system

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
NO subdrainage

Comments on apparent problems: 

Concerned about design of lowered culvert out of Arcadia having grating to trap logs, etc.

When water level drops on Holland, can muck exposed be covered over with sand?

Date of last septic tank/cesspool pumping: 4 yrs

Firm who pumps system: Hayward

Anticipated variances for system replacement: No Reserve Area

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Paracellation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

To: ✓ lake shore  __  vegetated wetland
     ___ brook or stream  ___ other

Levels:

<table>
<thead>
<tr>
<th>HI</th>
<th>Elev.</th>
<th>BH:</th>
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<tbody>
<tr>
<td>3.26</td>
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<tr>
<td>4.09</td>
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<td>4.70</td>
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<td>GND @ LEACH AREA</td>
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<td>3.66</td>
<td>319.95</td>
<td>GND @ FOTH @ INVERT OUT</td>
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<tr>
<td>9.25</td>
<td>314.36</td>
<td>LAKE EL.</td>
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</tbody>
</table>

BM:  

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

No other wells within 100' of leach field.

Holland Pond

Arcadia

Lake

Swamp

Channel Drive

House

Carport

100'

I.D. No. 000528
06-72
I.D. No. 1D074
6B-68

ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: DEC. 7, 1987
Inspector(s): Jab/Jan

Assessors' Map: GB
Lot No.: 68

Address: 79 CHANNEL DRIVE
LAKE HOLLAND

Owner's Name: RIVEST CONRAD
Telephone No.: 

Address: 

Occupant's Name: SAME (if different from above)

Lot Size: 14,968 sq ft (0.349 ac)
Water Frontage (ft.): 112

Residency: ✓ year-round

seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: 1
Age of system (yrs.): 1983

No. of Total Rooms: 2
No. of Bedrooms: 
No. of Bathrooms: 

Appliances/Connections:
✓ dehumidifier not connected
No dishwasher
No washing machine
No sump pump
No garbage disposal
✓ roof or pavement drains
drains on surface
other:

Basement/foundation type:

✓ brick or concrete block

✓ dry masonry stone wall

✓ poured concrete wall

poured concrete floor

✓ concrete slab on grade

✓ piers or pilings

Well type:

✓ dug well 18' (boles)

driven point

drilled rock well

lake

spring or cistern
other:

Depth to well intake from surface (ft.): 18'

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS-ENGINEERS-LANDSCAPE ARCHITECTS
Prior septic system inspection no. Under who's name is plan
Plan filed with Board of Health: Yes titled: Barbara Rivest
Inspector
Sewage disposal system: Designed by Ken Sherman

- cesspool: ______ concrete block ______ steel ______ other ______

- septic tank: 1000 volume (gal.) 48' depth
  96' length 52' width
  ______ no. covers ______ diam. (in.) covers
  ______ tees ______ baffles
  ______ depth to top tank (ft.)

- distr. box ______ pump or dosing siphon

- leaching pit: ______ no. ______ diam (ft.)
  ______ depth (ft.) ______ cover
  ______ depth to top below grd.

- leaching bed: 20 length (ft.) 12' width
  ______ avg. depth to top (ft.) PVC pipe type
  ______ pipe diam (in.)

- leaching trenches: ______ no. ______ length (ft.)
  ______ depth (in.) ______ width (in.)
  ______ avg. depth to top (ft.)
  ______ pipe diam (in.) ______ pipe type

2 Min. reported perc. rate (min./in.) 0.8 reported avg. depth to groundwater
86' (ft. +) at leach. area

Yes area remaining for system's replacement

- grey water system

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: LOST 10' OF WATER FRONITAGE

Date of last septic tank/cesspool pumping: OCT. 31, 1986

Firm who pumps system: KARL'S EXCAVATING

Anticipated variances for system replacement: No RESERVE AREA

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area

- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone
  to: lake shore
  brook or stream
  other

Levels:

<table>
<thead>
<tr>
<th>+</th>
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<th>-</th>
<th>Elev.</th>
<th>BM:</th>
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ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: DEC. 7, 1987

Assessors' Map: 2B
Lot No.: 61, 62, 67

Address: 85 CHANNEL DRIVE, LAKE HOLLAND

Owner's Name: JOROHTHY RACING
Telephone No.: 323-4083

Occupant's Name: SAME (if different from above)

Lot Size: 0.50 AC (21,950 sq. ft.)

Residency: ☑ year-round seasona// (if seasonal, estimate number of weeks per year): __________

No. of Occupants: 1
Age of system (yrs.): 7 yrs. old
No. of Total Rooms: 7
No. of Bedrooms: 2
No. of Bathrooms: 2

Appliances/Connections: ☑ dishwasher ☑ dehumidifier separate
☑ washing machine no sump pump
☑ garbage disposal no roof or pavement drains
doan onto surface
other: ____________________

Basement/foundation type:
☑ brick or concrete block
 ___ dry masonry stone wall
 ___ poured concrete wall

Well type:
☑ used to be dug well
☑ driven point in 1982
drilled rock well
lake
spring or cistern
other: ____________________

Depth to well intake from surface (ft.): 22'

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
Prior septic system inspection no. P218
Plan filed with Board of Health: J.E. O'KEEFE
Under who's name is plan...Paul Pachole

titled: ALMER HUNTLEY, JR., & ASSOCIATES, INC.

Sewage disposal system: Designed by Jack O'Keeffe 6.16.80

- cesspool: __ concrete block __ steel __ other __________
- septic tank: __ volume (gal.) __ depth
- __ length __ width
- __ no. covers __ diam. (in.) covers
- __ tees __ baffles
- __ depth to top tank (ft.)

- distr. box __ pump or dosing siphon

- leaching pit: __ no. __ diam (ft.)
- __ depth (ft.) __ cover
- __ depth to top below grd.

- leaching bed: __ length (ft.) __ width
- __ avg. depth to top (ft.)
- __ pipe diam (in.) __ pipe type

- leaching trenches: __ no. __ length (ft.)
- __ depth (in.) __ width (in.)
- __ avg. depth to top (ft.)
- __ pipe diam (in.) __ pipe type

- reported perc. rate (min./in.) __ reported avg. depth to groundwater
- (ft.) at leach. area

- grey water system

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS

M3A-6
No subdrainage

Comments on apparent problems: **NONE**

Date of last septic tank/cesspool pumping: **1983**

Firm who pumps system: **KENNY LAYDUR**

Anticipated variances for system replacement: **NONE**

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

To:  Lake shore  Vegetated wetland  Brook or stream  Other

Levels:

<table>
<thead>
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<td>END @ LEACH PIT</td>
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</tbody>
</table>

Incl. blg out 2.2'  Cellar floor 7.6'  BM: CLOSE

N3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

- **HOLLAND POND**
- **3+ ACRES**
- **LAND OF AUBERTINE**
- **LAND OF RIVEST**
- **HOUSE**
- **SUPPOSED LOCATION OF WELL**
- **SEASON COTTAGE**
- **NOT INTERVIEWED DUE TO RECENT STROKE**
- **NOT OCCUPIED**

**CHANNEL DRIVE**

**RIGHT OF WAY**

**RESERVE AREA**

**RACINE'S WELL TO RIVEST'S SEPTIC SYSTEM IS ISO'**

**90° SWEEP**

**100° TO NEIGHBORS WELL**

**ACCORDING TO BOARD OF HEALTH PLAN**

**10' 12.5'**

**6' 8.5'**

**LEACH PIT**
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 1-15-88  Inspector(s): JMI/JB8
Assessors' Map: 6B  Lot No.: 65 & 66
Address: 90 CHANNEL DR. LAKE HOLLAND
Owner's Name: MARC DESROCHERS  Telephone No.: 617-842-1722
Address: 28 BROOKWAY DRIVE, SHREWSBURY, MA, 01545
Occupant's Name: SAME (if different from above)
Lot Size: 12,350 sq ft  (3/4 ACRE)  Water Frontage (ft.): 65' EACH LOT
Residency: ☑ year-round ☑ seasonal (if seasonal, estimate number of weeks per year): 4 WEEKS
No. of Occupants: 4  Age of system (yrs.): ___
No. of Total Rooms: 3  No. of Bedrooms: 2  No. of Bathrooms: 1
Appliances/Connections: ☑ dishwasher  ☑ dehumidifier
☐ washing machine  ☑ sump pump
☐ garbage disposal  ☑ roof or pavement drains
☐ other: ____________
Basement/foundation type:
☐ brick or concrete block  ☐ poured concrete floor
☐ dry masonry stone wall  ☐ concrete slab on grade
☐ poured concrete wall  ☑ piers or pilings
Well type: ☑ dug well  ☑ lake
☐ driven-point  ☐ spring or cistern
☐ drilled rock well  ☐ other: ____________
Depth to well intake from surface (ft.): 20-24'

WELL SHARED WITH 6B-64.

M3A-6  ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. Under who's name is plan...
Plan filed with Board of Health: titled: 

Sewage disposal system:

<table>
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<tr>
<th><strong>Cesspool:</strong></th>
<th><strong>Concrete Block</strong></th>
<th><strong>Steel</strong></th>
<th><strong>Other</strong></th>
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</table>

<table>
<thead>
<tr>
<th><strong>Septic Tank:</strong></th>
<th><strong>Volume (gal.)</strong></th>
<th><strong>Depth</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Length</strong></td>
<td><strong>Width</strong></td>
<td></td>
</tr>
<tr>
<td><strong>No. Covers</strong></td>
<td><strong>Diam. (in.)</strong></td>
<td><strong>Covers</strong></td>
</tr>
<tr>
<td><strong>Tees</strong></td>
<td><strong>Baffles</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Depth to Top Tank (ft.)</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Distr. Box</strong></th>
<th><strong>Pump or Dosing Siphon</strong></th>
</tr>
</thead>
</table>

| **Leaching Pit:** | | |
|-------------------|-------------------------|
| **No.**           | **Volume**              | **Depth (ft.)** |
| **Depth (ft.)**   | **Sheet Metal Cover**   | **1/2 depth to top below grd.** |

<table>
<thead>
<tr>
<th><strong>Leaching Bed:</strong></th>
<th><strong>Length (ft.)</strong></th>
<th><strong>Width</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Avg. Depth to Top (ft.)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pipe Diam (in.)</strong></td>
<td><strong>Pipe Type</strong></td>
<td></td>
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</tbody>
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<table>
<thead>
<tr>
<th><strong>Leaching Trenches:</strong></th>
<th><strong>No.</strong></th>
<th><strong>Length (ft.)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Depth (in.)</strong></td>
<td><strong>Width (in.)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Avg. Depth to Top (ft.)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pipe Diam (in.)</strong></td>
<td><strong>Pipe Type</strong></td>
<td></td>
</tr>
</tbody>
</table>

| **Reported Perc. Rate (min./in.)** | **Reported Avg. Depth to Groundwater (ft. +) at Leach. Area** |

<table>
<thead>
<tr>
<th><strong>Area Remaining for System's Replacement</strong></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Grey Water System</strong></th>
</tr>
</thead>
</table>

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
subdrainage  

Comments on apparent problems:  

Date of last septic tank/cesspool pumping:  

Firm who pumps system:  

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

to:  

- Lake shore
- Vegetated wetland
- Brook or stream
- Other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>HI</th>
<th>Elev.</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.45</td>
<td>333.59</td>
<td>319.19</td>
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<tr>
<td>1.43</td>
<td>332.16</td>
<td>G.S. AT L.PIT</td>
</tr>
<tr>
<td>0.93</td>
<td>332.60</td>
<td>G.S. INV. OUT</td>
</tr>
<tr>
<td>314.05</td>
<td>334.62</td>
<td>LAKE ELEV (FROM ADJUTEE'S FORM)</td>
</tr>
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<td></td>
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<td>RESERVE AREA</td>
</tr>
<tr>
<td>14.45</td>
<td>319.14</td>
<td>BM: CLOSEOUT</td>
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</table>

M3A-6  
ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch: LAKE ARCADIA

No other wells within 100' of S. System observed.

Land of Pasture 34K

Summer Camp

Reserve Area

Channel Drive

Lake Holland

No info on this lot 67. Don't believe there's a well here.

Well is shared with neighbor.
**Inventory Field Form**

**Date:** JULY 27, 1988  
**Inspector(s):** D.S./D.C

**Assessors’ Map:** 6B  
**Lot No.:** 64

**Address:** 94 CHANNEL DRIVE LAKE HOLLAND  
**Telephone No.:** 598-8088

**Owner’s Name:** CHARLES PASPERCZYK  
**Address:** 87 MADISON STREET CHICOPPEE FALLS

**Occupant’s Name:** SAME (if different from above)

**Lot Size:** 12 ACRE±  
**Water Frontage (ft.):** NONE

**Residency:** year-round  
**Seasonal (if seasonal, estimate number of weeks per year):** MAY - SEPT

**No. of Occupants:** 1  
**Age of system (yrs.):** 30

**No. of Total Rooms:** 5  
**No. of Bedrooms:** 3  
**No. of Bathrooms:** 1

**Appliances/Connections:**  
- NO dishwasher  
- NO dehumidifier  
- NO washing machine  
- NO sump pump  
- NO garbage disposal  
- NO roof or pavement drains  
- Other: ______________________

**Basement/foundation type:**  
- brick or concrete block  
- dry masonry stone wall  
- poured concrete wall

**Well type:**  
- DUG WELL  
- DRIVEN POINT  
- DRILLED ROCK WELL  
- LAKE  
- SPRING OR CISTERN  
- Other: ______________________

**Depth to well intake from surface (ft.):** 10-21
Prior septic system inspection no. _____ Under who's name is plan
Plan filed with Board of Health: _____ titled: ________________

Sewage disposal system:

<table>
<thead>
<tr>
<th>Type</th>
<th>Concrete Block</th>
<th>Steel</th>
<th>Other</th>
</tr>
</thead>
</table>

**Septic Tank:**
- **Volume (gal.):** 3
- **Depth:** 8
- **Width:** 4

**Distributor Box:**
- **Pump or Dosing Siphon**

**Leaching Bed:**
- **Length (ft.):**
- **Width:**
- **Avg. depth to top (ft.):**
- **Pipe diam (in.):**
- **Pipe type:**

**Leaching Trenches:**
- **No.:**
- **Length (ft.):**
- **Depth (in.):**
- **Avg. depth to top (ft.):**
- **Pipe diam (in.):**
- **Pipe type:**

**Reported Perc. Rate (min./in.):**
**Reported Avg. Depth to Groundwater (ft. +) at Leach. Area**

**Yes:** Area remaining for system's replacement

**No:** Grey water system

---

**M3A-6**

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
NO. subdrainage

Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: NEVER

Firm who pumps system:

Anticipated variances for system replacement: No Reserve can not meet side slope requirements

✓ Own well setback
✓ Neighbor's well(s) setback (same well)
✓ Property line(s) setback (on R.)
NO Percolation rate-based design
NO Sideslope requirements (at present but not for replacement)
NO Insufficient available leaching area
NO Necessary work within 100-year flood plain
NO Necessary work within 100-foot buffer zone

to: ___ lake shore ___ vegetated wetland
___ brook or stream ___ other

Levels:

<table>
<thead>
<tr>
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<th>-</th>
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<td>39.14</td>
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<tr>
<td>6.91</td>
<td>337.73</td>
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<td>50</td>
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<tr>
<td>3.27</td>
<td>334.36</td>
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<td>6.48</td>
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<td>331.47</td>
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<td>3.27</td>
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<td>12.8</td>
<td>331.32</td>
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<td>39.14</td>
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</tr>
<tr>
<td>6.91</td>
<td>337.73</td>
<td></td>
<td>50</td>
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</tr>
</tbody>
</table>

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

CINDER BLOCK PIT
POURED CONC TANK

OVER 200' TO THE LAKE FROM SEPTIC SYSTEM

LAND OF PASTERCZYK

C.D.094
PORCH

DESROCHERS

DUG WELL SHARED BY BOTH DESROCHERS AND PASTERCZYK

10' TO LEACH PIT

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
DATE: DEC. 10, 1987
Inspector(s): JFM
Assessors' Map: 6B
Lot No.: 59
Address: 101 CHANNEL DRIVE, BELCHERTOWN, MA
Owner's Name: BARBARA RUEL
Telephone No.: 323-7024
Occupant's Name: SAME
Address: SAME
Lot Size: 0.35 AC. (15,600 SQ. FT.)
Water Frontage (ft.): 130'
Residency: Y year-round
seasonal (if seasonal, estimate number of weeks per year):
No. of Occupants: 1
Age of system (yrs.): 3
No. of Total Rooms: 4
No. of Bedrooms: 3
No. of Bathrooms: 1.5
Appliances/Connections: dishwasher NOT USED
washing machine
No dehumidifier
garbage disposal
No sump pump
roof or pavement drains
other:
Basement/foundation type:
brick or concrete block
dry masonry stone wall
poured concrete wall
poured concrete floor
concrete slab on grade
piers or pilings
Well type:
dug well
driven point
drilled rock well
lake
spring or cistern
other:
Depth to well intake from surface (ft.): 2

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______ Under who's name is plan _______
Plan filed with Board of Health: _______ titled: _______________________

Sewage disposal system:

____ cesspool: ____ concrete block ____ steel ____ other _______

✓ septic tank: ____ volume (gal.) ____ depth
____ length ____ width
____ no. covers ____ diam. (in.) covers
____ tees ____ baffles
____ depth to top tank (ft.)

____ distr. box ____ pump or dosing siphon

____ leaching pit: ____ no. ____ diam (ft.)
____ depth (ft.) ____ cover
____ depth to top below grd.

✓ leaching bed: ____ length (ft.) ____ width
____ avg. depth to top (ft.)
____ pipe diam (in.) ____ pipe type

____ leaching trenches: ____ no. ____ length (ft.)
____ depth (in.) ____ width (in.)
____ avg. depth to top (ft.)
____ pipe diam (in.) ____ pipe type

____ reported perc. rate (min./in.) ____ reported avg. depth to groundwater
____ area remaining for system's replacement

✓ grey water system WASHING MACHINE & DISHWASHER & SHOWER
I.D. No. 

Comments on apparent problems: **NONE**

Date of last septic tank/cesspool pumping: **1986 SPRING**

Firm who pumps system: **HAYWARD**

Anticipated variances for system replacement:

- [ ] Own well setback
- [ ] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available/leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone

To:  
- [ ] lake shore
- [ ] vegetated wetland
- [ ] brook or stream
- [ ] other

Levels:

<table>
<thead>
<tr>
<th>+</th>
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<th>Elev.</th>
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</thead>
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<tr>
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<td>319.14</td>
<td><strong>UP #8/8</strong></td>
</tr>
<tr>
<td></td>
<td>3.51</td>
<td>323.93</td>
<td>G.S. AT SEPTIC TANK</td>
</tr>
<tr>
<td></td>
<td>2.34</td>
<td>325.10</td>
<td>G.S. AT DRY WELL</td>
</tr>
<tr>
<td></td>
<td>2.70</td>
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<td>0.68</td>
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<td><strong>SLL</strong></td>
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<td>lake elev</td>
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<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>321.76</td>
<td>inv out bldg. 5'6'</td>
</tr>
<tr>
<td></td>
<td></td>
<td>320.76</td>
<td>cellar dirt floor 6'0</td>
</tr>
<tr>
<td></td>
<td>8.30</td>
<td>319.14</td>
<td><strong>CLOSEOUT</strong></td>
</tr>
</tbody>
</table>

M3A-6  

ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE

Location of well uncertain; may be in the house (crawl space).

Land of Aubertine

Not interviewed due to recent stroke.

Not occupied.

WELL

LAND OF Land

NO WELL OR SEPTIC SYSTEM ON THIS LOT.

APPROXIMATE DRY WELL LOCATION

RESERVE AREA

GRAVEL

S.TANK

DECK

Porch

SHEILA

BIT. CANE

20'
I.D. No. 6D162

RECOMMENDED SEPTIC SYSTEM ALTERNATIVE NO. 5

ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 1-7-88
Inspector(s): 6B/1

Assessors' Map: 68
Lot No.: 68

Address: 102 CHANNEL DRIVE
LAKE HOLLAND

Owner's Name: SUE ANN ORDINETZ
Telephone No.: 323-7763

Address: SAME

Occupant's Name: SAME

Lot Size: 0.7 ACRES
Water Frontage (ft.): NONE

Residency: \( \checkmark \) year-round
seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: 1
Age of system (yrs.): 10-15

No. of Total Rooms: 5
No. of Bedrooms: 2
No. of Bathrooms: 1

Appliances/Connections:
- no dishwasher
- no washing machine
- no garbage disposal
- no dehumidifier
- no sump pump
- yes roof or pavement drains
- other:

Basement/foundation type:
- \( \checkmark \) brick or concrete block
- dry masonry stone wall
- poured concrete wall

Well type:
- \( \checkmark \) dug well
- driven point
- drilled rock well
- lake
- spring or cistern
- other:

Depth to well intake from surface (ft.): 20'

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. Under who's name is plan, Plan filed with Board of Health: titled: 

Sewage disposal system:

<table>
<thead>
<tr>
<th>Type</th>
<th>Quantity</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cesspool</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Concrete Block</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Septic tank:  

<table>
<thead>
<tr>
<th>Volume (gal.)</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>Width</td>
</tr>
</tbody>
</table>

1. No. covers  
2. Tees  
3. Depth to top tank (ft.)

Distributor box:  

| Pump or dosing siphon |

Leaching pit:  

<table>
<thead>
<tr>
<th>No.</th>
<th>Diam (ft.)</th>
<th>Depth (ft.)</th>
<th>Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Depth to top below ground:

Leaching bed:  

<table>
<thead>
<tr>
<th>Length (ft.)</th>
<th>Width</th>
</tr>
</thead>
</table>

Avg. depth to top (ft.):  

Pipe diam (in.)  

Leaching trenches:  

<table>
<thead>
<tr>
<th>No.</th>
<th>Length (ft.)</th>
<th>Depth (in.)</th>
<th>Width (in.)</th>
<th>Avg. depth to top (ft.)</th>
<th>Pipe diam (in.)</th>
<th>Pipe type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Reported perc. rate (min./in.)  

Reported avg. depth to groundwater (ft. +) at leach. area

Area remaining for system's replacement

Grey water system

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
No subdrainage

Comments on apparent problems: CONCERNED ABOUT KEEPING LAKE CLEAN

Date of last septic tank/cesspool pumping: ask Steve Whitlock

Firm who pumps system:

Anticipated variances for system replacement:

- Reserve area (easily) cannot get 100' from water or well

- Own well setback

- Neighbor's well(s) setback

- Property line(s) setback

- Percolation rate-based design

- Sideslope requirements R unknown

- Insufficient available leaching area R unknown

- Necessary work within 100-year flood plain

- Necessary work within 100-foot buffer zone

- to: lake shore

- vegetated wetland

- brook or stream

- other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>RI</th>
<th>Elev.</th>
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</thead>
<tbody>
<tr>
<td>12.48</td>
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<td>320.47</td>
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<tr>
<td></td>
<td>5.11</td>
<td>321.84</td>
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<td></td>
<td>4.39</td>
<td>328.56</td>
</tr>
<tr>
<td></td>
<td></td>
<td>314.40</td>
</tr>
</tbody>
</table>

BM: GND AT L. PIT

Reserve 3 R unknown
I think she has the area needed
Use L. Pit elevation

BM: CLOSEOUT
Lot Sketch:

NO WELLS OBSERVED WITHIN 100' OF S. SYSTEM

NO AREA FOR A RESERVE SYSTEM.

CUT BANK AND ASSUMED LC

LEACH PIT

S. TANK 60.5'

HOUSE #102

GARAGE

ROOF DRAIN

RESERVE?

PROPERTY LINES UNKNOWN

THEREFORE RESERVE AREA IS QUESTIONABLE

WELL HOUSE

CHANNEL DRIVE

LAKE HOLLAND

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
**INVENTORY FIELD FORM**

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Date</td>
<td>1-7-88</td>
</tr>
<tr>
<td>Inspectors' Map</td>
<td>JMI/JBC</td>
</tr>
<tr>
<td>Lot No.</td>
<td>57</td>
</tr>
<tr>
<td>Assessors' Map</td>
<td>6B</td>
</tr>
<tr>
<td>Address</td>
<td>109 CHANNEL DRIVE LAKE HOLLAND</td>
</tr>
<tr>
<td>Owner's Name</td>
<td>WILLIAM J &amp; MAUREEN</td>
</tr>
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<td>Owner's Telephone No.</td>
<td>323-5596</td>
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<tr>
<td>Address</td>
<td>109 CHANNEL DRIVE CONWAY</td>
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<tr>
<td>Occupant's Name</td>
<td>SAME (if different from above)</td>
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<tr>
<td>Lot Size</td>
<td>1/4 Acre ±</td>
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<td>Water Frontage (ft.)</td>
<td>60</td>
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<tr>
<td>Residency</td>
<td>✓ year-round</td>
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<td>Age of system (yrs.)</td>
<td>18 ±</td>
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<tr>
<td>No. of Occupants</td>
<td>2</td>
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<tr>
<td>No. of Total Rooms</td>
<td>4</td>
</tr>
<tr>
<td>No. of Bedrooms</td>
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</tr>
<tr>
<td>No. of Bathrooms</td>
<td>1</td>
</tr>
<tr>
<td>Appliances/Connections</td>
<td>dishwasher</td>
</tr>
<tr>
<td>1ST DRY WELL</td>
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<td>2ND DRY WELL</td>
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<tr>
<td>3RD DRY WELL FOR BATHROOM SINK</td>
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<tr>
<td>KITCHEN SINK</td>
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<tr>
<td>SHOWER TUB ON 4TH DRY WELL</td>
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<tr>
<td>Basement/foundation type</td>
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<td></td>
<td>dry masonry stone wall</td>
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<td>poured concrete wall</td>
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<tr>
<td>Well type</td>
<td>dug well</td>
</tr>
<tr>
<td></td>
<td>driven-point</td>
</tr>
<tr>
<td></td>
<td>lake</td>
</tr>
<tr>
<td></td>
<td>spring or cistern</td>
</tr>
<tr>
<td></td>
<td>drilled rock well</td>
</tr>
<tr>
<td></td>
<td>other:</td>
</tr>
<tr>
<td>Depth to well intake from surface (ft.)</td>
<td>12' ±</td>
</tr>
</tbody>
</table>

**Well Type:**
- dug well
- driven point
- lake
- spring or cistern
- drilled rock well
- other: 

**Depth to well intake from surface (ft.):** 12' ±
Prior septic system inspection no. ________
Plan filed with Board of Health: ________

Under who's name is plan titled: ____________

Sewage disposal system:

<table>
<thead>
<tr>
<th>cesspool:</th>
<th>concrete block</th>
<th>steel</th>
<th>other</th>
</tr>
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<table>
<thead>
<tr>
<th>septic tank:</th>
<th>volume (gal.)</th>
<th>depth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>length</td>
<td>width</td>
</tr>
<tr>
<td></td>
<td>no. covers</td>
<td>diam. (in.) covers</td>
</tr>
<tr>
<td></td>
<td>tees</td>
<td>baffles</td>
</tr>
<tr>
<td></td>
<td>depth to top tank (ft.)</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>distr. box</th>
<th>pump or dosing siphon</th>
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<table>
<thead>
<tr>
<th>leaching pit:</th>
<th>no.</th>
<th>diam (ft.)</th>
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<tbody>
<tr>
<td></td>
<td>depth (ft.)</td>
<td>cover</td>
</tr>
<tr>
<td></td>
<td>depth to top below grd.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
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<tr>
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<th>width</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>avg. depth to top (ft.)</td>
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</tr>
<tr>
<td></td>
<td>pipe diam (in.)</td>
<td>pipe type</td>
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<table>
<thead>
<tr>
<th>leaching trenches:</th>
<th>no.</th>
<th>length (ft.)</th>
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<td>depth (in.)</td>
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<td>avg. depth to top (ft.)</td>
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<tr>
<td></td>
<td>pipe diam (in.)</td>
<td>pipe type</td>
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</table>

reported perc. rate (min./in.) reported avg. depth to groundwater (ft. +) at leach. area

IN SAME PLACE FOR TIGHT TANK

area remaining for system's replacement

grey water system ________ 4 OF THEM AS ON PAGE 1.
subdrainage

Comments on apparent problems: CONCERNED ABOUT WATER QUALITY.
LEECHES & WEED GROWTH.

Date of last septic tank/cesspool pumping: DEC. 1987. EVERY 2 MONTHS.
Firm who pumps system: RAY'S EXCAVATING.

Anticipated variances for system replacement:

- NO RESERVE AREA
- √ Own well setback 100' from lake
- NO Neighbor's well(s) setback
- √ Property line(s) setback
- NO Percolation rate-based design
- NO Sideslope requirements
- √ Insufficient available leaching area
- NO Necessary work within 100-year flood plain
- √ Necessary work within 100-foot buffer zone

to:  

lake shore  
vegetated wetland  
brook or stream  
other

Levels:

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M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

**HOLLAND POND**

**PIPE LEADING TO LAKE FOR DRINKING WATER**

**WOOD SHED**

**TIGHT TANK**

**CHANNEL DRIVE**

**SHED**

**DRINKING WATER COMES FROM LAKE ON THIS LOT.**

**NO OTHER WELLS OBSERVED WITHIN 100' OF SYSTEM**
**Inventory Field Form**

**Date:** 1-7-88  
**Inspector(s):** JEB/JMI

**Assessors' Map:** 68  
**Lot No.:** 56

**Address:** 111 CHANNEL DRIVE  
**Telephone No.:** 323-5576

**Owner's Name:** William & Maureen Conway  
**Occupant's Name:** Margaret North

**Lot Size:** 0.13AC (5,950 sq. ft.)  
**Water Frontage (ft.):** 160'

**Residency:** [ ] year-round  
[ ] seasonal (if seasonal, estimate number of weeks per year): ______________

**No. of Occupants:** 2  
**Age of system (yrs.):** 20 + yes

**No. of Total Rooms:** 4  
**No. of Bedrooms:** 2  
**No. of Bathrooms:** 1

**Appliances/Connections:**  
- [ ] dishwasher  
- [ ] dehumidifier  
- [ ] washing machine  
- [ ] sump pump  
- [ ] garbage disposal  
- [ ] roof or pavement drains  
- [ ] other: ____________________________

**Basement/foundation type:**  
- [ ] brick or concrete block  
- [ ] dry masonry stone wall  
- [ ] poured concrete wall

**Well type:**  
- [ ] dug well  
- [ ] driven point  
- [ ] drilled rock well  
- [ ] lake (water usage except consumption)  
- [ ] spring or cistern  
- [ ] other: ____________________________

**Depth to well intake from surface (ft.):** 12'

---

M3A-6  
ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. __________ Under who's name is plan
Plan filed with Board of Health: __________ titled: ________________

Sewage disposal system:

__ cesspool: ____ concrete block ____ steel ____ other ________

√ septic tank: 1000 volume (gal.) ______ depth
________ length ______ width
_____ no. covers 18" SQUARE diam. (in.) covers
_____ tees ______ baffles
_____ depth to top tank (ft.)

__ distr. box ____ pump or dosing siphon

__ leaching pit: ____ no. ______ diam (ft.)
____ depth (ft.) ______ cover
____ depth to top below grd.

√ leaching bed: _____ length (ft.) ______ width
2/4 avg. depth to top (ft.)
4½ pipe diam (in.) ORANGEBURG pipe type

__ leaching trenches: ____ no. ______ length (ft.)
________ depth (in.) ______ width (in.)
____ avg. depth to top (ft.)
____ pipe diam (in.) ______ pipe type

_____ reported perc. rate (min./in.) ______ reported avg. depth to groundwater
(ft. +) at leach. area

√ area remaining for system's replacement

grey water system NONE
subdrainage: NONE

Comments on apparent problems: OWNERS ARE CONCERNED THAT SEPTIC SYSTEM LEACHING INTO POND CAUSING EXCESS WEED GROWTH IN FRONT.

Date of last septic tank/cesspool pumping: 2 YRS. AGO
Firm who pumps system: RAY'S EXCAVATING

Anticipated variances for system replacement:
- NO RESERVE AREA
- NO Own well setback
- NO Neighbor's well(s) setback
- V Property line(s) setback
- NO Percolation rate-based design
- NO Sideslope requirements
- V Insufficient available leaching area
- NO Necessary work within 100-year flood plain
- V Necessary work within 100-foot buffer zone

to: V lake shore    V vegetated wetland
     brook or stream    other

Levels:
+HI Elev. BM:
3.67 338.41 329.74 U.Pole 12
----- ---- ----
        4.91 328.50 G.S. AT SEPTIC TANK
        4.50 329.11 G.S. AT INVERT OUT
        6.01 327.40 LAKE

NO RESERVE

SEPTIC SYSTEM MAY BE NEAR GROUNDWATER TABLE.

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

HOLLAND POND

NOTE:
DRINKING WATER COMES FROM
LAKE HOLLAND
HO. NO. 109 CONWAY'S ALSO
GET DRINKING WATER FROM LAKE
NO WELLS WITHIN 100' OF SYSTEM

LAND OF CONWAY

CHANNEL DRIVE

NO RESERVE AREA
ARCADE AND METACOMET LAKES
BELCHERTOWN, MA
SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 1-22-88
Assessors' Map: B6
Lot No.: 43
Address: 596 FEDERAL ST.
Owner's Name: CHARLES BISHOP JR.
Address: 596 FEDERAL ST.
Occupant's Name: SAME
Lot Size: 0.50 AC (22,100 Sq. Ft.)
Water Frontage (ft.): 110'

Residency: 

seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: 4
Age of system (yrs.): ?
No. of Total Rooms: 4
No. of Bedrooms: 2
No. of Bathrooms: 1

Appliances/Connections: NO dishwasher
NO dehumidifier
YES washing machine
NO sump pump
NO garbage disposal
NO roof or pavement drains
other:

Basement/foundation type:

YES brick or concrete block

dry masonry stone wall
poured concrete wall

CRAWL SPACE IN FRONT

poured concrete floor

concrete slab on grade

piers or pilings

Well type:

YES dug well

driven point

drilled rock well

lake

spring or cistern

other:

Depth to well intake from surface (ft.): 25'

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. __________ Under who's name is plan
Plan filed with Board of Health: __________ titled: ________________

Sewage disposal system:

**System functions more as cesspool**

| cesspool: | concrete block | steel | other ____________ |

- septic tank: __________
  - volume (gal.)
  - depth
  - stone
  - length
  - cement
  - width
  - through
  - no. covers
  - covers
  - diam. (in.)
  - covers
  - baffle
  - <6" depth to top tank (ft.)

- distr. box
- pump or dosing siphon

- leaching pit: __________
  - no.
  - depth (ft.)
  - cover
  - depth to top below grd.

- leaching bed: __________
  - length (ft.)
  - width
  - pipes crushed
  - avg. depth to top (ft.)
  - pipe diam (in.)
  - pipe type

- leaching trenches: __________
  - no.
  - length (ft.)
  - depth (in.)
  - width (in.)
  - avg. depth to top (ft.)
  - pipe diam (in.)
  - pipe type

- reported perc. rate (min./in.)

**Reported avg. depth to groundwater**

- (ft.) at leach. area

**Would require pumped system**

- area remaining for system's replacement

- grey water system NONE
subdrainage: NONE

Comments on apparent problems: HIGH IRON IN WATER, ESPECIALLY IN FALL WHEN WATER IS LOW.

Date of last septic tank/cesspool pumping: SUMMER 1987.
Firm who pumps system: HAYWARD.

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sidetone requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

Levels:

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<td></td>
<td>345.89</td>
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</tr>
</tbody>
</table>

BM: U.P. #228/111

SYSTEM 0 90D
SILL
INVERT OUT 3.0
BASEMENT FLR 6.0
LAKE ELEV

BM: CLOSEOUT

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

HOLLAND POND

LAND OF S. BERGERSON

WELL

596 FEDERAL

NO. OTHER WELLS OBSERVED WITHIN 100' OF SEPTIC SYSTEM.

FEDERAL STREET

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
## RECOMMENDED SEPTIC SYSTEM ALTERNATIVE

### INVENTORY FIELD FORM

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
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<tr>
<td>Date</td>
<td>DEC. 3, 1987</td>
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<tr>
<td>Inspector(s)</td>
<td>JMI/JBB</td>
</tr>
<tr>
<td>Lot No.</td>
<td>44</td>
</tr>
<tr>
<td>Assessors' Map</td>
<td>68</td>
</tr>
<tr>
<td>Address</td>
<td>600 FEDERAL STREET LAKE HOLLAND</td>
</tr>
<tr>
<td>Owner's Name</td>
<td>STEPHEN J. BERGENSON</td>
</tr>
<tr>
<td>Telephone No.</td>
<td>283-6671</td>
</tr>
<tr>
<td>Address</td>
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<tr>
<td>Occupant's Name</td>
<td>SAME (if different from above)</td>
</tr>
<tr>
<td>Lot Size</td>
<td>0.20 AC (9,000 Sq. Ft.)</td>
</tr>
<tr>
<td>Water Frontage (ft.)</td>
<td>90' ±</td>
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<tr>
<td>Residency</td>
<td>Year-round</td>
</tr>
<tr>
<td>No. of Occupants</td>
<td>1+</td>
</tr>
<tr>
<td>Age of system (yrs.)</td>
<td>30 ± yrs</td>
</tr>
<tr>
<td>No. of Total Rooms</td>
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</tr>
<tr>
<td>No. of Bedrooms</td>
<td>1</td>
</tr>
<tr>
<td>No. of Bathrooms</td>
<td>1</td>
</tr>
<tr>
<td>Appliances/Connections</td>
<td>dishwasher, dehumidifier, washing machine, sump-pump, garbage disposal, roof or pavement drains, other:</td>
</tr>
<tr>
<td>Basement/foundation type</td>
<td>brick or concrete block, poured concrete floor, concrete slab on grade, piers or pilings</td>
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<tr>
<td>Well type</td>
<td>dug well, lake, driven-point, spring or cistern, drilled rock well, other:</td>
</tr>
<tr>
<td>Depth to well intake from surface (ft.)</td>
<td>15</td>
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</tbody>
</table>

**ALMER HUNTLEY, JR., & ASSOCIATES, INC.**
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ______  Under who's name is plan filed with Board of Health: ______  titled: ____________________________

Sewage disposal system: ? AREA DEVELOPED BY 1950

- cesspool:  ____ concrete block  ____ steel  ____ other ______

- septic tank:  ____ volume (gal.)  ____ depth
  ____ length  ____ width
  ____ no. covers  ____ diam. (in.) covers
  ____ tees  ____ baffles
  ____ depth to top tank (ft.)

- distr. box  ____ pump or dosing siphon

- leaching pit:  ____ no.  ____ diam (ft.)
  ____ depth (ft.)  ____ cover
  ____ depth to top below grd.

- leaching bed:  ____ length (ft.)  ____ width
  ____ avg. depth to top (ft.)
  ____ pipe diam (in.)  ____ pipe type

- leaching trenches:  ____ no.  ____ length (ft.)
  ____ depth (in.)  ____ width (in.)
  ____ avg. depth to top (ft.)
  ____ pipe diam (in.)  ____ pipe type

- reported perc. rate (min./in.)  ____ reported avg. depth to groundwater (ft. +) at leach. area

- area remaining for system's replacement

- grey water system  NONE

M3A-6  ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
subdrainage: NONE

Comments on apparent problems: NONE

If replacement necessary, slope would be problem.

Date of last septic tank/cesspool pumping: NEVER

Firm who pumps system:

Anticipated variances for system replacement:

- Pumped system unless a tight tank
- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

To:

- Lake shore
- Vegetated wetland
- Brook or stream
- Other

Levels:

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<th>HI</th>
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Sediment system may be near groundwater table.

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

- **HOLLAND POND**

- **LAND OF LAND**

- **S. TANK**

- **WELL IS 100' TO BERGESON'S SYSTEM**

- **L. PIPE**

- **S. TANK**

- **D. TANK**

- **BISHOP'S SEPTIC SYSTEM IS 100' TO BERGESON'S WELL**

- **FEDERAL STREET**

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADE AND METACOMET LAKES
BELCHERTOWN, MA
SEPTIC SYSTEMS MANAGEMENT STUDY
INVENTORY FIELD FORM

Date: DEC 3, 1987
Inspector(s): JBE/IIM

Assessors' Map: GB Lot No.: 45

Address: 602 FEDERAL ST. (LAKE HOLLAND)
Owner's Name: EDNA & BRUNO LAND Telephone No.: 323-7315

Address: SAME

Occupant's Name: SAME (if different from above)
Lot Size: 0.32 AC. (14,100 sq. ft.) Water Frontage (ft.): 60'

Residency: year-round _ seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: 2 Age of system (yrs.): 1967 (20 yrs.)
No. of Total Rooms: 6 No. of Bedrooms: 3 No. of Bathrooms: 2

Appliances/Connections: NO dishwasher YES dehumidifier
YES washing machine NO sump pump
YES garbage disposal YES roof or pavement drains

Basement/foundation type:
___ brick or concrete block
___ dry masonry stone wall
___ poured concrete wall

Well type:
___ dug well _ lake
___ driven point ___ spring or cistern
___ drilled rock well ___ other: __________

Depth to well intake from surface (ft.): 108

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______ Under who's name is plan titled:

Plan filed with Board of Health: _______

Sewage disposal system:

<table>
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<th>Cesspool:</th>
<th>Concrete block</th>
<th>Steel</th>
<th>Other</th>
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**Septic Tank:**
- 1000 or 1500 GALLONS
- Volume (gal.)
- Compartmental Stage Tank
- __________ depth
- __________ length
- __________ width
- __________ no. covers
- __________ diam. (in.) covers
- __________ no. tees
- __________ diam. (in.) covers
- __________ depth to top tank (ft.)

**Distributor Box:**
- Pump or dosing siphon

**Leaching Pit:**
- __________ no.
- __________ diam (ft.)
- __________ cover
- __________ depth (ft.)
- __________ depth to top below grd.

**Leaching Bed:**
- __________ length (ft.)
- __________ width
- __________ avg. depth to top (ft.)
- __________ pipe diam (in.)
- **Pipe Type:** 
  - Orangeburg

**Leaching Trenches:**
- __________ no.
- __________ length (ft.)
- __________ depth (in.)
- __________ width (in.)
- __________ avg. depth to top (ft.)
- __________ pipe diam (in.)
- __________ pipe type

**Reported Perc. Rate (min./in.)**
- __________ reported avg. depth to groundwater (ft. +) at leach. area

**Area Remaining for System's Replacement:**

**Grey Water System:**
- Open Bottom Septic Tank Filled with Gravel One Cover Doesn't Need to Be Cleared Conc. Block.
subdrainage

Comments on apparent problems:

Date of last septic tank/cesspool pumping: 1984 (3 yrs.)
Firm who pumps system: H A & H

Anticipated variances for system replacement:

- ✓ Own well setback
- ✓ Neighbor's well(s) setback
- NO Property line(s) setback
- NO Percolation rate-based design
- ✓ Sideslope requirements
- NO Insufficient available leaching area
- NO Necessary work within 100-year flood plain
- ✓ Necessary work within 100-foot buffer zone
to: ✓ lake shore
- ✓ vegetated wetland
- ✓ brook or stream
- ✓ other

Levels:

+ 1.42 244.36 342.94 BM: UP $37/52 FED. ST
  339.21 7.31 338.98 SILL
  0.23 336.86 INVERT OUT OF HOUSE -2.7'
  332.88 BASEMENT FLOOR -12.1'
  338.48 GREYWATER INVERT OUT -0.5'
  2.62 336.59 GND O.S. TANK
  336.94 AND O.LEACH PIPE
  4.04 335.17 GND O. DAY WELL
  4.39 334.82
  7.21 331.04 BM: ___ CLOSE
  2.17 331.90 LAKE
  1.31 313

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
### ARCADIA AND METACOMET LAKES
### BELCHERTOWN, MA

**SEPTIC SYSTEMS MANAGEMENT STUDY**

### INVENTORY FIELD FORM

**Date:** August 1, 1988  
**Inspector(s):** EE

**Assessors' Map:** GB  
**Lot No.:** 46 +47

**Address:** 600 Federal Street  
**Lake Holland**

**Owner's Name:** R. Honec  
**Telephone No.:** 1-203-649-2169  
**Georgianne Heath**

**Occupant's Name:** ABANDONED  
(if different from above)

**Lot Size:** 0.36 AC. (16,100 sq. ft.)  
**Water Frontage (ft.):** 115'

**Residency:** __ year-round  
seasonal (if seasonal, estimate number of weeks per year):

**House is Empty**

**No. of Occupants:** _____  
**Age of system (yrs.):** ____________

**No. of Total Rooms:** _____  
**No. of Bedrooms:** _____  
**No. of Bathrooms:** _____

**Appliances/Connections:**  
- dishwasher  
- dehumidifier  
- washing machine  
- sump pump  
- garbage disposal  
- roof or pavement drains  
- other: __________________________

**Basement/foundation type:**
- [ ] brick or concrete block  
- [ ] dry masonry stone wall  
- [ ] poured concrete wall  
- [ ] poured concrete floor  
- [ ] concrete slab on grade  
- [ ] piers or pilings

**Well type:**
- [ ] dug well  
- [ ] lake  
- [ ] driven point  
- [ ] spring or cistern  
- [ ] drilled rock well  
- [ ] other: __________________________

**Depth to well intake from surface (ft.):** ______

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M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ________
Plan filed with Board of Health: ________
Under who's name is plan titled: ________

Sewage disposal system:

__ cesspool:  ____ concrete block  ____ steel  ____ other ________

__ septic tank:  ____ volume (gal.)  ____ depth

 length  ____ width

 no. covers  ____ diam. (in.) covers

 tees  ____ baffles

 depth to top tank (ft.) ______

__ distr. box  ____ pump or dosing siphon ______

__ leaching pit:  ____ no.  ____ diam. (ft.)

 depth (ft.)  ____ cover

 depth to top below grd. ______

__ leaching bed:  ____ length (ft.)  ____ width

 avg. depth to top (ft.) ______

 pipe diam (in.)  ____ pipe type

__ leaching trenches:  ____ no.  ____ length (ft.)

 depth (in.)  ____ width (in.)

 avg. depth to top (ft.) ______

 pipe diam (in.)  ____ pipe type

__ reported perc. rate (min./in.)  ____ reported avg. depth to groundwater (ft. +) at leach. area

__ area remaining for system's replacement ______

__ grey water system ____________________________

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: ____________________________________________
__________________________________________
__________________________________________
__________________________________________

Date of last septic tank/cesspool pumping: ______________________________________
Firm who pumps system: ______________________________________________________

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

Levels:

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M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS · ENGINEERS · LANDSCAPE ARCHITECTS
SYSTEM IS SOMEWHERE BEHIND THE HOUSE

LAKE ARCADIA

FEDERAL ST.

LAND OF LIBUCHA

WELL

LAND OF HONEC

LAND OF B. LAND

112'3

102'

DRY WELL

CESSPOOL

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS-ENGINEERS-LANDSCAPE ARCHITECTS

LOT SKETCH
### INVENTORY FIELD FORM

**Date:** DEC 3, 1987  
**Inspector(s):** JBB / JMI

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
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<tbody>
<tr>
<td>Assessors' Map</td>
<td>6B</td>
</tr>
<tr>
<td>Lot No.</td>
<td>48</td>
</tr>
<tr>
<td>Address</td>
<td>610 FEDERAL ST. LAKE HOLLAND</td>
</tr>
</tbody>
</table>
| Owner's Name | STANLEY LUBUHA  
| Telephone No. | 256-8803  
| Address | 120 TRACEY CIRCLE, AMHERST, MA. 323-7421 |
| Occupant's Name | CLAY EAKIN  
| (if different from above) |
| Lot Size | 0.17 AC. (7,800 Sq. Ft.) |
| Water Frontage (ft.) | 60' |
| Residency | year-round |
| seasonal (if seasonal, estimate number of weeks per year): | |
| No. of Occupants | 3 |
| Age of system (yrs.) | 50 YRS. |
| No. of Total Rooms | 4 |
| No. of Bedrooms | 2 |
| No. of Bathrooms | 1 |
| Appliances/Connections | NO dishwasher  
| NO dehumidifier  
| YES washing machine  
| NO sump pump  
| NO garbage disposal  
| NO roof or pavement drains  
| other: |
| Basement/foundation type: | brick or concrete block  
| dry masonry stone wall  
| poured concrete wall  
| poured concrete floor  
| concrete slab on grade  
| piers or pilings  
| |
| Well type: | dug well  
| lake  
| driven point  
| spring or cistern  
| drilled rock well  
| other: |
| Depth to well intake from surface (ft.): | 67 |

---

M3A-6  
ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. __________ Under who's name is plan
Plan filed with Board of Health: __________ titled: __________

Sewage disposal system:

✓ cesspool: ✓ concrete block ___ steel ___ other ______

___ septic tank: ___ volume (gal.) ___ depth
___ length ___ width
___ no. covers ___ diam. (in.) covers
___ tees ___ baffles
___ depth to top tank (ft.)

___ distr. box ___ pump or dosing siphon

___ leaching pit: ___ no. ___ diam (ft.)
___ depth (ft.) ___ cover
___ depth to top below grd.

___ leaching bed: ___ length (ft.) ___ width
___ avg. depth to top (ft.)
___ pipe diam (in.) ___ pipe type

___ leaching trenches: ___ no. ___ length (ft.)
___ depth (in.) ___ width (in.)
___ avg. depth to top (ft.)
___ pipe diam (in.) ___ pipe type

___ reported perc. rate (min./in.) ___ reported avg. depth to groundwater
___ (ft. +) at leach. area

___ area remaining for system's replacement

✓ grey water system ___ WASHING MACHINE
___ EXITS BENEATH CELLAR FLOOR

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Subdrainage: Dry well under cellar drain

Comments on apparent problems: Cesspool needs to be pumped often. May be problem w/pipe slopes.

Date of last septic tank/cesspool pumping: 2 months ago (Sept/Oct).
Firm who pumps system: See landlord.

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone
to: lake shore vegetated wetland brook or stream other

Levels:

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<th>BM: U.P. # 227/112</th>
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</table>

Sill
Invert out 1.7
Basement flr 6.3
Ground @ cesspool
Lake eleu.

BM: 

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

NOTE: NO OTHER WELLS OBSERVED WITHIN 100'.

LAND OF HONEC
WELL

HOUSE IS EMPTY

ABANDONED WELL?

HOLLAND POND

GREY WATER IS PRESENT AT SURFACE. BOARD OF HEALTH AGENT AND GREG ERIKSON, R.S., C.H.O. ARE PRESENTLY DESIGNING A NEW SEPTIC SYSTEM FOR LIBUCHA.
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 12-16-67
Assessors' Map: 6B
Lot No.: 50
Address: 12 GREA TERRACE, LAKE HOLLAND
Owner's Name: CHESTER PETROWSKI
Telephone No.: 373-7509

Assessors: JMB / JMI
Lot No.: 50
Address: 12 GREA TERRACE, LAKE HOLLAND
Owner's Name: CHESTER PETROWSKI
Telephone No.: 373-7509

Residency: ✓ year-round
No. of Occupants: 1
Age of system (yrs.): 1954
No. of Total Rooms: 4
No. of Bedrooms: 1
No. of Bathrooms: 1

Appliances/Connections:
✓ dishwasher
✓ dehumidifier
✓ washing machine
✓ sump pump
✓ garbage disposal
✓ roof or pavement drains
✓ other:

Basement/foundation type:
✓ brick or concrete block
✓ dry masonry stone wall
✓ poured concrete wall
✓ poured concrete floor
✓ concrete slab on grade
✓ piers or pilings

Well type:
✓ dug well
✓ driven point
✓ drilled rock well
✓ lake
✓ spring or cistern
✓ other:

Depth to well intake from surface (ft.): 120

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS

DATE: 12-16-67
ASSISSORS: JMB / JMI
LOT NO.: 50
ADDRESS: 12 GREA TERRACE, LAKE HOLLAND
OWNER'S NAME: CHESTER PETROWSKI
TELEPHONE NO.: 373-7509

RECOMMENDED SEPTIC SYSTEM ALTERNATIVE NO. 5,6

INVENTORY FIELD FORM

Date: 12-16-67
Assessors' Map: 6B
Lot No.: 50
Address: 12 GREA TERRACE, LAKE HOLLAND
Owner's Name: CHESTER PETROWSKI
Telephone No.: 373-7509

Residency: ✓ year-round
No. of Occupants: 1
Age of system (yrs.): 1954
No. of Total Rooms: 4
No. of Bedrooms: 1
No. of Bathrooms: 1

Appliances/Connections:
✓ dishwasher
✓ dehumidifier
✓ washing machine
✓ sump pump
✓ garbage disposal
✓ roof or pavement drains
✓ other:

Baseline/foundation type:
✓ brick or concrete block
✓ dry masonry stone wall
✓ poured concrete wall
✓ poured concrete floor
✓ concrete slab on grade
✓ piers or pilings

Well type:
✓ dug well
✓ driven point
✓ drilled rock well
✓ lake
✓ spring or cistern
✓ other:

Depth to well intake from surface (ft.): 120
Prior septic system inspection no. __________ Under who's name is plan __________
Plan filed with Board of Health: __________ titled: __________

Sewage disposal system:

- cesspool: _____ concrete block _____ steel _____ other __________

- septic tank: _____ volume (gal.) 7 depth

- length

- width

- no. covers

- depth

- width

- covers

- depth

- tank (ft.)

- baffles

- distr. box _____ pump or dosing siphon

- leaching pit: _____ no.

- depth (ft.)

- cover

- depth (ft.)

- above ground

- depth (ft.)

- above ground

- leaching bed: _____ length (ft.)

- width

- avg. depth to top (ft.)

- pipe diam (in.)

- pipe type

- leaching trenches: _____ no.

- length (ft.)

- depth (in.)

- width (in.)

- avg. depth to top (ft.)

- pipe diam (in.)

- pipe type

- reported perc. rate (min./in.) __________ reported avg. depth to groundwater

- (ft. +) at leach. area

- area remaining for system's replacement

- grey water system none
subdrainage: NONE

Comments on apparent problems: DOESN'T USE WELL WATER FOR OR USING THOUGH MORE A CASE OF WATER SITTING IN HOLDING TANK THAN ANYTHING ELSE.

Date of last septic tank/cesspool pumping: NEVER HAD TO BE PUMPED

Firm who pumps system: ____________________________

Anticipated variances for system replacement:

- [X] Own well setback
- [X] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [X] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [X] Necessary work within 100-foot buffer zone

To: [ ] lake shore [ ] vegetated wetland [ ] brook or stream [ ] other

Levels:

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<td>3.17</td>
<td>338.91</td>
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BM: DP #1 GREATA TER.

TURN POINT

BILL

BASEMENT FLR. (6.7)

INVERT OUT 5.2

TURN POINT

GND @. S TANK

GND @. LEACH PT

LAKE EL

TURN POINT

CLOSE OUT

M3A-6

ALER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

HOLLAND POND

LAND OF LIBUCHA
THIS SYSTEM IN THE PROGRESS OF BEING REPAIRED
PRESENTLY GRAVITY WATER IS AT GROUND SURFACE

LAND OF HENRICHON

WELL ON THIS LOT IS 80' TO PETROWSKI'S S.S. SYSTEM

WELL ON THIS LOT IS 100' TO MR. PETROWSKI'S S.S. SYSTEM

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

RECOMMENDED SEPTIC SYSTEM ALTERNATIVE
NO. 5/6

INVENTORY FIELD FORM

Date: 12-16-87
Inspector(s): JBE/JMI

Assessors' Map: GB
Lot No.: 51

Address: 16 GRELA TERRACE
LAKE HOLLAND

Owner's Name: BOB HENRICHEN
Telephone No.: 323-4016

Address: 171 TURKEY HILL RD.

Occupant's Name: BILL DRURY

Lot Size: 0.22 AC. (9,900 sq. ft.)

Water Frontage (ft.): 110'

Residency: ✔ year-round

seasonal (if seasonal, estimate number of weeks per year): ____________________

No. of Occupants: 4

Age of system (yrs.): 1996

No. of Total Rooms: 5

No. of Bedrooms: 3

No. of Bathrooms: 1

Appliances/Connections: no dishwasher no dehumidifier
no washing machine no sump pump
no garbage disposal no roof or pavement drains
other: __________________________________________

Basement/foundation type:

✔ brick or concrete block
____ dry masonry stone wall
____ poured concrete wall

poured concrete floor

concrete slab on grade
piers or pilings

Well type:

✔ dug well

lake

driven point
spring or cistern
drilled rock well
other: __________________________________________

Depth to well intake from surface (ft.): 20' 22'

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ________

Under who's name is plan filed with Board of Health: ________
titled: ________________

Sewage disposal system:

☐ cesspool: ☑ concrete block ☑ steel ☑ other __________

According to tenant

☐ septic tank: ________ volume (gal.) ________ depth

According to landlord

☐ length ________ width

☐ no. covers ________ diam. (in.) covers

☐ tees ________ baffles

☐ depth to top tank (ft.) ________

☐ distr. box ________ pump or dosing siphon

☐ leaching pit: ________ no. ________ diam (ft.)

!________ depth (ft.) ________ cover

!________ depth to top below grd.

☐ leaching bed: ________ length (ft.) ________ width

According to landlord

?________ avg. depth to top (ft.) ________ pipe type

?________ pipe diam (in.) ________ orangburg

☐ leaching trenches: ________ no. ________ length (ft.)

☐ depth (in.) ________ width (in.)

☐ avg. depth to top (ft.) 

☐ pipe diam (in.) ________ pipe type

☐ reported perc. rate (min./in.) ________ reported avg. depth to groundwater

( pt. +) at leach. area

☐ NO area remaining for system's replacement

☐ NO grey water system __________

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
**I.D. No. **

**subdrainage**

**There is subdrainage around foundation to which roof drains were once connected.**

**Comments on apparent problems:**

*No grease trap (was taken off). Showers cause water to back up in basement sink.*

**Date of last septic tank/cesspool pumping:** NEVER

**Firm who pumps system:**

**Anticipated variances for system replacement:**

- ✓ Own well setback
- NO Neighbor(s)' well(s) setback
- NO Property line(s) setback
- NO Percolation rate-based design
- NO Sideslope requirements
- ✓ Insufficient available leaching area
- NO Necessary work within 100-year flood plain
- ✓ Necessary work within 100-foot buffer zone

To: ✓ lake shore

- ventilated wetland
- brook or stream
- other

**Levels:**

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<tr>
<td>3.43</td>
<td>336.02</td>
<td>314.15</td>
</tr>
</tbody>
</table>

BM: W.P. #2 GREGA TER.

SIL:

BASEMENT FLO 6.4

INVERT OUT 7.0+

BM: @ GARAGE = LEACH PIT

CLOSEOUT

LACE ELEV.

BM:
Lot Sketch:

LAND OF HENRICHON

WELL ON THIS LOT IS 100' TO S. SYSTEM OF R. HENRICHON'S HOUSE.

GARAGE

CESSPOOL

LAKE

31'

34'

116'

92'

APPROX. LOCATION OF WELL IN BASEMENT

GRELA TERRACE

FEDERAL S

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 1-5-88  Inspector(s): JEB / JMT
Assessors' Map: 683  Lot No.: 53
Address: 36 GREA LAKE HOLLAND

Owner's Name: FLORENCE SZCZEPANEX  Telephone No.: 961-6509
Address: 4 SCHOOL ST, ware

Occupant's Name: SAME (if different from above)
Lot Size: 1.32AC (57,600sq. ft.)+ Water Frontage (ft.): 320' +

Residency: ______ year-round  √ seasonal (if seasonal, estimate number of
weeks per year): 16 WKS.

No. of Occupants: 3  Age of system (yrs.): LATE 30's
No. of Total Rooms: 6  No. of Bedrooms: 4  No. of Bathrooms: 1

Appliances/Connections:  NO dishwasher  NO dehumidifier
NO washing machine  NO sump pump
NO garbage disposal  NO roof or pavement drains
other:

Basement/foundation type:
√ brick or concrete block
___ dry masonry stone wall
___ poured concrete wall

Well type:
√ dug well
___ driven point
___ drilled rock well
___ lake
___ spring or cistern
___ other:

Depth to well intake from surface (ft.): 28 +

M3A-6  ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______ Under who's name is plan ________
Plan filed with Board of Health: _______ titled: ________________

Sewage disposal system: Stanley Markot

____ cesspool: ____ concrete block ____ steel ____ other ______

____ septic tank: ____ volume (gal.) ______ depth
____ length
____ width
____ no. covers
____ diam. (in.) covers
____ tees
____ baffles
____ depth to top tank (ft.)

____ distr. box ______ pump or dosing siphon

____ leaching pit: ______ no.
____ diam (ft.)
____ depth (ft.)
____ depth to top below grd.

____ leaching bed: ______ length (ft.) ______ width
____ avg. depth to top (ft.)
____ pipe diam (in.) ______ pipe type

____ leaching trenches: ______ no.
____ length (ft.)
____ depth (in.) ______ width (in.)
____ avg. depth to top (ft.)
____ pipe diam (in.) ______ pipe type

____ reported perc. rate (min./in.) ______ reported avg. depth to groundwater
____ (ft.) at leach. area

✓ area remaining for system's replacement

____ grey water system

________________________________________

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
subdrainage: NONE

Comments on apparent problems: NONE.

Date of last septic tank/cesspool pumping: NEVER PUMPED.
Firm who pumps system:

Anticipated variances for system replacement:

- ✔ Own well setback: There is room to re-locate well
- No Neighbor's well(s) setback
- No Property line(s) setback
- No Percolation rate-based design
- No Sideslope requirements
- No Insufficient available leaching area
- No Necessary work within 100-year flood plain
- No Necessary work within 100-foot buffer zone

to: ___ lake shore ___ vegetated wetland
    ___ brook or stream ___ other ________

Levels:

<table>
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Lot Sketch:

Lake Holland

No. 36

WELL

APPROXIMATE LOCATION OF SYSTEM

50'

RESERVE

No neighboring wells observed within 100' + of this lot

Greka Drive

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
**ARCADIA AND METACOMET LAKES**  
**BELCHERTOWN, MA**  
**SEPTIC SYSTEMS MANAGEMENT STUDY**  
**RECOMMENDED SEPTIC SYSTEM ALTERNATIVE NO. 5**

**INVENTORY FIELD FORM**

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>JULY 27, 1988</td>
</tr>
<tr>
<td>Inspector(s)</td>
<td>J. S.</td>
</tr>
<tr>
<td>Lot No.</td>
<td>55</td>
</tr>
<tr>
<td>Address</td>
<td>40 GRELA TERR, HOLCAND POND</td>
</tr>
<tr>
<td>Owner's Name</td>
<td>MRS. WHITE</td>
</tr>
<tr>
<td>Telephone No.</td>
<td>783-2612</td>
</tr>
<tr>
<td>Address</td>
<td>50 PINE HILL RD, SPRINGFIELD 01118</td>
</tr>
<tr>
<td>Occupant's Name</td>
<td>ABANDONED</td>
</tr>
<tr>
<td>Lot Size</td>
<td>3/5 ACRE + (26,600.5 ft²)</td>
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<tr>
<td>Water Frontage (ft.)</td>
<td>380'</td>
</tr>
<tr>
<td>Residency</td>
<td>N/A year-round N/A seasonal (if seasonal, estimate number of weeks per year):</td>
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<td>320 yrs.</td>
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</tr>
<tr>
<td>No. of Bathrooms</td>
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</tr>
<tr>
<td>Appliances/Connections</td>
<td>no dishwasher no dehumidifier</td>
</tr>
<tr>
<td></td>
<td>no washing machine no sump pump</td>
</tr>
<tr>
<td></td>
<td>no garbage disposal no roof or pavement drains</td>
</tr>
<tr>
<td></td>
<td>other:</td>
</tr>
<tr>
<td>Basement/foundation type</td>
<td>brick or concrete block</td>
</tr>
<tr>
<td></td>
<td>dry masonry stone wall</td>
</tr>
<tr>
<td></td>
<td>poured concrete wall</td>
</tr>
<tr>
<td></td>
<td>poured concrete floor</td>
</tr>
<tr>
<td></td>
<td>concrete slab on grade</td>
</tr>
<tr>
<td></td>
<td>piers or pilings</td>
</tr>
<tr>
<td>Well type</td>
<td>dug well</td>
</tr>
<tr>
<td></td>
<td>driven point</td>
</tr>
<tr>
<td></td>
<td>drilled rock well</td>
</tr>
<tr>
<td></td>
<td>lake</td>
</tr>
<tr>
<td></td>
<td>spring or cistern</td>
</tr>
<tr>
<td></td>
<td>other:</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth to well intake from surface (ft.)</td>
<td>20'</td>
</tr>
</tbody>
</table>

**M3A-6**  
**ALMER HUNTLEY, JR., & ASSOCIATES, INC.**  
**SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS**
Prior septic system inspection no. 

Plan filed with Board of Health: 

Under who's name is plan titled:

Sewage disposal system: 

__ cesspool: ___ concrete block ___ steel ___ other ___

____ septic tank: ___ volume (gal.) ___ depth ___ width ___

___ length ___

___ no. covers ___ diam. (in.) covers ___

___ tees ___ baffles ___

___ depth to top tank (ft.) ___

___ distr. box ___ pump or dosing siphon ___

___ leaching pit: ___ no. ___ diam (ft.) ___

___ depth (ft.) ___ cover ___

___ depth to top below grd. ___

___ leaching bed: ___ length (ft.) ___ width ___

___ avg. depth to top (ft.) ___ pipe diam (in.) ___

___ pipe type ___

___ leaching trenches: ___ no. ___ length (ft.) ___

___ depth (in.) ___ width (in.) ___

___ avg. depth to top (ft.) ___

___ pipe diam (in.) ___ pipe type ___

___ reported perc. rate (min./in.) ___ reported avg. depth to groundwater (ft. +) at leach. area ___

___ area remaining for system's replacement ___

___ grey water system ___
subdrainage

Comments on apparent problems:

Date of last septic tank/cesspool pumping: NEVER
Firm who pumps system:

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

to:

- lake shore
- vegetated wetland
- brook or stream
- other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>10.76</th>
<th>325.86</th>
<th>= 315.10</th>
<th>BM: NAIL IN 4&quot; WHITE BIRCH</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0.10</td>
<td>325.76</td>
<td>SILL OF BUILDING</td>
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<tr>
<td></td>
<td></td>
<td>12.55</td>
<td>313.31</td>
<td>LAKE HOLLAND</td>
</tr>
</tbody>
</table>

BM:
Lot Sketch:

LAKE HOLLAND

LAND OF SZCZEPAŃEK

THE OWNER WAS UNABLE TO MEET ON THE PREMISES, SO THE LOCATION OF THE SYSTEM AND WHAT KIND IT IS IS UNKNOWN.
INVENTORY REPORT FORMS

LAKE METACOMET
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: DEC 8, 1987
Assessors' Map: B-24
Lot No.: 41
Address: 246 BAY ROAD LAKE METACOMET
Owner's Name: LYNN CARNEY Telephone No.: 323-5537
Address: SAME
Occupant's Name: SAME (if different from above)
Lot Size: 2.0 AC (85,554 sq. ft.) Water Frontage (ft.): NONE
Residency: YEAR-ROUND seasonal (if seasonal, estimate number of weeks per year):
No. of Occupants: 4 Age of system (yrs.): HOUSE IS 68 YRS OLD
No. of Total Rooms: 6 No. of Bedrooms: 2 No. of Bathrooms: 1

Appliances/Connections: NO dishwasher NO dehumidifier
NO washing machine NO sump pump
NO garbage disposal NO roof or pavement drains
other:

Basement/foundation type:

[ ] brick or concrete block
[ ] dry masonry stone wall
[ ] poured concrete wall

Well type:

[ ] dug well
[ ] lake
[ ] driven-point
[ ] spring or cistern
[ ] drilled rock well
[ ] other:

Depth to well intake from surface (ft.): 27' driven-point (NEITHER USED NOW) 15' dug well
Prior septic system inspection no. _______ Under who's name is plan filed with Board of Health: _______ titled: _______

Sewage disposal system:

- cesspool: concrete block steel other ______

- septic tank: \(275 \pm\) volume (gal.) depth
  - length
  - no. covers
  - diam. (in.) covers
  - tees
  - depth to top tank (ft.)

- distr. box pump or dosing siphon

- leaching pit: no. diam. (ft.)
  - depth (ft.) cover
  - depth to top below grd.

- leaching bed: length (ft.) width
  - avg. depth to top (ft.)
  - pipe diam (in.) pipe type

- leaching trenches: no. length (ft.)
  - depth (in.) width (in.)
  - avg. depth to top (ft.)
  - pipe diam (in.) pipe type

- reported perc. rate (min./in.) reported avg. depth to groundwater (ft. +) at leach. area

- area remaining for system's replacement

- grey water system

---

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS · ENGINEERS · LANDSCAPE ARCHITECTS
subdrainage DRAIN IN CELLAR FLOOR

Comments on apparent problems: WOULD LIKE TO HOOK UP WASHING MACHINE

Date of last septic tank/cesspool pumping: MAY 21, 1969  SEP'T 8, 1976
Firm who pumps system: HAYWARD

Anticipated variances for system replacement:

NO Own well setback
NO Neighbor's well(s) setback
NO Property line(s) setback
NO Percolation rate-based design
NO Sideslope requirements
NO Insufficient available leaching area
NO Necessary work within 100-year flood plain
NO Necessary work within 100-foot buffer zone

to: ___ lake shore ___ vegetated wetland

___ brook or stream ___ other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>HI</th>
<th>Elev.</th>
</tr>
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<tbody>
<tr>
<td>5.65</td>
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<tr>
<td>1.49</td>
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<td>5.61</td>
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<td>5.79</td>
<td>314.20</td>
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<td>4.30</td>
<td>315.69</td>
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<td>4.10</td>
<td>314.00</td>
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<tr>
<td>312.10</td>
<td>CELLAR FLOOR 6.4</td>
<td></td>
</tr>
<tr>
<td>306.48</td>
<td>--LAKE LEVEL</td>
<td></td>
</tr>
<tr>
<td>5.65</td>
<td>314.34</td>
<td></td>
</tr>
</tbody>
</table>

BM: HYD. SPINDEL ACROSS FROM 746 BAY RD. SILL
GND @ S. TANK
GND @ L. AREA
GND @ RESERVE AREA
INV'OUT 4.1
CELLAR FLOOR 6.4

BM: CLOSEOUT
Lot Sketch:

LAKE
METACOMET
100' TO SEPTIC SYSTEM

THIS AREA IS SERVICED BY TOWN WATER.

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
# ARCADIA AND METACOMET LAKES
# BELCHERTOWN, MA

## SEPTIC SYSTEMS MANAGEMENT STUDY

### INVENTORY FIELD FORM

<table>
<thead>
<tr>
<th>Date:</th>
<th>1-5-88</th>
<th>Inspector(s):</th>
<th>JMM/1m</th>
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</thead>
<tbody>
<tr>
<td>Assessor's Map:</td>
<td>60D</td>
<td>Lot No.:</td>
<td>40</td>
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<tr>
<td>Address:</td>
<td>258 BAY RD. LAKE METACOMET</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Owner's Name:</td>
<td>WILLIAM PEESE</td>
<td>Telephone No.:</td>
<td>323-4852</td>
</tr>
<tr>
<td>Address:</td>
<td>SAME</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Occupant's Name:</td>
<td>SAME (if different from above)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lot Size:</td>
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<td>seasonal (if seasonal, estimate number of weeks per year):</td>
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<td>Age of system (yrs.):</td>
<td>LATE '50's</td>
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<td>Appliances/Connections:</td>
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<td>NO dehumidifier</td>
<td></td>
</tr>
<tr>
<td></td>
<td>✓ washing machine</td>
<td>NO sump pump</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NO garbage disposal</td>
<td>NO roof or pavement drains</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>other:</td>
<td></td>
</tr>
<tr>
<td>Basement/foundation type:</td>
<td>✓ brick or concrete block</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>poured concrete floor</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dry masonry stone wall</td>
<td>concrete slab on grade</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>piers or pilings</td>
</tr>
<tr>
<td>Well type:</td>
<td>✓ dug well</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>driven-point</td>
<td>lake</td>
</tr>
<tr>
<td></td>
<td></td>
<td>drilled rock well</td>
<td>spring or cistern</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>other:</td>
</tr>
<tr>
<td>Depth to well intake from surface (ft.):</td>
<td>?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______ Under who's name is plan _______
Plan filed with Board of Health: _______ titled: __________________________

Sewage disposal system:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>____ cesspool:</td>
<td>_____</td>
</tr>
<tr>
<td>____ concrete block</td>
<td>_____</td>
</tr>
<tr>
<td>____ steel</td>
<td>_____</td>
</tr>
<tr>
<td>____ other</td>
<td>_____</td>
</tr>
<tr>
<td>✓ septic tank:</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td>volume (gal.)</td>
</tr>
<tr>
<td></td>
<td>length</td>
</tr>
<tr>
<td></td>
<td>1 no. covers</td>
</tr>
<tr>
<td></td>
<td>tees</td>
</tr>
<tr>
<td></td>
<td>1/2 depth to top tank (ft.)</td>
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<tr>
<td>____ distr. box</td>
<td>_____</td>
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<tr>
<td></td>
<td>pump or dosing siphon</td>
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<tr>
<td>✓ leaching pit:</td>
<td>_____</td>
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<tr>
<td></td>
<td>no.</td>
</tr>
<tr>
<td></td>
<td>1 depth (ft.)</td>
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<tr>
<td></td>
<td>3 depth to top below grd.</td>
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<tr>
<td>____ leaching bed:</td>
<td>_____</td>
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<tr>
<td></td>
<td>length (ft.)</td>
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<tr>
<td></td>
<td>avg. depth to top (ft.)</td>
</tr>
<tr>
<td></td>
<td>pipe diam (in.)</td>
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<td>____ leaching trenches:</td>
<td>_____</td>
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<tr>
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<td>no.</td>
</tr>
<tr>
<td></td>
<td>depth (in.)</td>
</tr>
<tr>
<td></td>
<td>avg. depth to top (ft.)</td>
</tr>
<tr>
<td></td>
<td>pipe diam (in.)</td>
</tr>
<tr>
<td>____ reported perc. rate (min./in.)</td>
<td>reported avg. depth to groundwater (ft. +) at leach. area</td>
</tr>
</tbody>
</table>

✓ area remaining for system's replacement

| grey water system | NONE |

---

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS · ENGINNEERS · LANDSCAPE ARCHITECTS
subdrainage  

Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: SEPTEMBER 1987
Firm who pumps system: 

Anticipated variances for system replacement:

- Own well setback TOWN H2O
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

Levels:

<table>
<thead>
<tr>
<th>+</th>
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<th>Elev.</th>
<th>BM: V.Pole *10/33</th>
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<td>313.80</td>
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<td>INVERT OUT  2.0'</td>
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<td></td>
<td>309.10</td>
<td>314.42</td>
<td>BASEMENT FLR. 6.7'</td>
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<td></td>
<td>14.14</td>
<td>306.48</td>
<td>LAKE METACOMET</td>
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<tr>
<td></td>
<td>6.40</td>
<td>314.87</td>
<td>COVER DRAINAGE STRUCTURE</td>
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<td>4.82</td>
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<td>SILL OF HOUSE</td>
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<td>4.40</td>
<td>316.46</td>
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</tbody>
</table>

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

NOTE: TOWN WATER AT 260 BAY RD.

LAKE META COMET

25B BAY RD.

RESERVE

WELL

GARAGE

BAY RD.
<table>
<thead>
<tr>
<th><strong>Date:</strong></th>
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<th><strong>Inspector(s):</strong></th>
<th>JMI/JBO</th>
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<tr>
<td><strong>Assessors' Map:</strong></td>
<td>6D</td>
<td><strong>Lot No.:</strong></td>
<td>39</td>
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<tr>
<td><strong>Address:</strong></td>
<td>260 BAY RD LAKE METACOMET</td>
<td><strong>Telephone No.:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Owner's Name:</strong></td>
<td>PAULINE + EDMOND WALLACE</td>
<td><strong>Occupant's Name:</strong></td>
<td>SAME</td>
</tr>
<tr>
<td><strong>Address:</strong></td>
<td>SAME</td>
<td><strong>Lot Size:</strong></td>
<td>SEE OTHER FORM</td>
</tr>
<tr>
<td><strong>Water Frontage (ft.):</strong></td>
<td>SEE OTHER FORM 128'</td>
<td><strong>Residency:</strong></td>
<td>✓ year-round</td>
</tr>
<tr>
<td><strong>No. of Occupants:</strong></td>
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<td><strong>Age of system (yrs.):</strong></td>
<td>30 ± yrs</td>
</tr>
<tr>
<td><strong>No. of Total Rooms:</strong></td>
<td>6</td>
<td><strong>No. of Bedrooms:</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>No. of Bathrooms:</strong></td>
<td>2</td>
<td><strong>Appliances/Connections:</strong></td>
<td>✓ dishwasher</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>✓ washing machine</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>✓ garbage disposal</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>✓ dehumidifier</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>✓ sump pump</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>✓ roof or pavement drains</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>✓ other:</td>
</tr>
<tr>
<td><strong>Basement/foundation type:</strong></td>
<td>brick or concrete block</td>
<td>poured concrete floor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>dry masonry stone wall</td>
<td>concrete slab on grade</td>
<td></td>
</tr>
<tr>
<td></td>
<td>poured concrete wall</td>
<td>piers or pilings</td>
<td></td>
</tr>
<tr>
<td><strong>Well type:</strong></td>
<td>dug well</td>
<td>lake</td>
<td></td>
</tr>
<tr>
<td></td>
<td>driven point</td>
<td>spring or cistern</td>
<td></td>
</tr>
<tr>
<td></td>
<td>drilled rock well</td>
<td>✓ other: TOWN</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>WATER MAIN</td>
<td></td>
</tr>
<tr>
<td><strong>Depth to well intake from surface (ft.):</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ________ Under who's name is plan ________ filed with Board of Health: ________ titled: __________________

Sewage disposal system:

- cesspool: ___ concrete block ___ steel ___ other ________

- septic tank: 1000 volume (gal.) ___ depth
- length ___ width
- no. covers @ SURFACE. 24") diam. (in.) covers
- tees + 1 on TANK. baffles
- depth to top tank (ft.) ________

- distr. box ___ pump or dosing siphon

- leaching pit: ___ no. ___ diam (ft.)
- ___ depth (ft.) ___ cover
- ___ depth to top below grd.

- leaching bed: ___ length (ft.) ___ width SEE TOWN ABOUT SYSTEM
- OR POSSIBLY 4½-5 avg. depth to top (ft.) pipe type
- ORANGEBURG. (BECAUSE THEY BROKE & REPLACE)
- pipe diam (in.) pipe when PUTTING IN TOWN WATER)
- leaching trenches: ___ no. pipe type
- ___ length (ft.) ___ width (in.) SEE TOWN ABOUT SYSTEM
- ___ depth (in.) ___ width (in.) pipe type
- ___ avg. depth to top (ft.) pipe type
- ___ pipe diam (in.)

- reported perc. rate (min./in.) ___ reported avg. depth to groundwater (ft. +) at leach. area

- area remaining for system's replacement

- grey water system __NONE ________

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
surveyors - engineers - landscape architects
Comments on apparent problems: **NOT LIVING THERE YET.**

(NEW HOUSE CONNECTED TO OLD SYSTEM) WAS USED REGULARLY UP UNTIL 1 YEAR + AGO. WAS PUMPED REGULARLY - YEARLY).

Date of last septic tank/cesspool pumping: 1\(\frac{1}{2}\) - 2 YEARS AGO.

Firm who pumps system: **HAYWARD**

Anticipated variances for system replacement:

- [ ] Own well setback
- [ ] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Perculation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain

- [x] Necessary work within 100-foot buffer zone
  - to: ✓ lake shore
  - ✓ vegetated wetland
  - ✓ brook or stream
  - ✓ other

Levels:

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BM: TP ± 103/35 @ BAY RD
GND @ S. TANK
BILL @ HOUSE
RESERVE AREA & POSSIBLY PRESENT LEACH AREA
LAKE LEVEL
INVERT OUT 5.0
BASEMENT FLR 7.5

BM: CLOSE
LOT SKETCH:

PLOT PLAN BY LEWIS & COOK

OCT. 29, 1986.
I.D. No. 52760
APARTMENTS

ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: DEC. 4, 1987
Assessors' Map: Lot No.: 39
Address: 260 BAY RD

Owner's Name: PAULINE WALLACE in APT 2
Address: 260 BAY ROAD APT 1-2-3

Occupant's Name: APT 1 ROBERT RUBE APT 3 ALICE
Lot Size: 0.9 ACRE (37,500 SQ. FT.)
Water Frontage (ft.): 128'

Residency: check one

seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: APT 1-3
No. of Total Rooms: APT 1-4
No. of Bedrooms: APT 1-3
No. of Bathrooms: APT 2-1

Appliances/Connections:

No dishwasher
No washing machine
No garbage disposal
No dehumidifier
No sump pump
No roof or pavement drains

Other:

Basement/foundation type:

check one

brick or concrete block
dry masonry stone wall
poured concrete wall

poured concrete floor
concrete slab on grade
piers or pilings

Well type:

check one

town water
dug well
driven point
drilled rock well
lake
spring or cistern
other:

Depth to well intake from surface (ft.):

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. __________
Plan filed with Board of Health: __________

Under who's name is plan titled: __________

Sewage disposal system:

<table>
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<th>Cesspool:</th>
<th>Concrete block</th>
<th>Steel</th>
<th>Other</th>
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</thead>
</table>

- **Precast**

- **Cement**

- **Concrete block**

- **Steel**

- **Other**

- **Precast**

- **Cement**

- **Concrete block**

- **Steel**

- **Other**

chk septic tank: **1000**

- Volume (gal.)
- Depth
- Width
- No. covers
- Ties
- Depth to top tank (ft.)
- Riser ~0.5 yd

chk distrib. box: __________

- Pump or dosing siphon

chk leaching pit: _ NO INFO_

- No.
- Diam (ft.)
- Cover
- Depth (ft.)
- Depth to top below grd.

chk leaching bed: __________

- Length (ft.)
- Width
- Avg. depth to top (ft.)
- Pipe diam (in.)
- Pipe type

chk leaching trenches: __________

- No.
- Length (ft.)
- Depth (in.)
- Width (in.)
- Avg. depth to top (ft.)
- Pipe diam (in.)
- Pipe type

chk reported perc. rate (min./in.) __________

- Reported avg. depth to groundwater (ft. +) at leach. area

**Yes**

Area remaining for system's replacement

chk grey water system

**ALMER HUNTLEY, JR., & ASSOCIATES, INC.**

**SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS**
subdrainage: NONE

Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: JUNE 1987
Firm who pumps system: HAYWARD

Anticipated variances for system replacement:

- NO Own well setback
- NO Neighbor's well(s) setback
- NO Property line(s) setback
- NO Percolation rate-based design
- NO Sideslope requirements
- NO Insufficient available leaching area
- NO Necessary work within 100-year flood plain
- NO Necessary work within 100-foot buffer zone

To: ___ lake shore ___ vegetated wetland

___ brook or stream ___ other

Levels:

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<td>basement floor 6.6'</td>
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BM: Closeout
Lot Sketch: LAKE METACOMET

Lot Sketch:

LOT SKETCH

LAND OF
MADDEN

BAY ROAD

LOT PLAN BY LEWIS & COOK
OCT. 29, 1986

THESE LOTS ARE SERVICED BY TOWN WATER.
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS

H3A-6
**Recommended Septic System Alternative No. 5**

**Arcadia and Metacomet Lakes**
**Belchertown, MA**

**Septic Systems Management Study**

**Inventory Field Form**

**Date:** Aug 1977  
**Inspector(s):** N/A

**Assessors' Map:**  
**Lot No.:** 38

**Address:** 260 Bay Rd  
**Lake Metacomet**

**Owner's Name:** Lois and John Madden  
**Telephone No.:** 323-7235

**Address:** 260 Bay Road

**Occupant's Name:** Same  
(if different from above)

**Lot Size:** 0.29 ac (13,000 sq. ft.)  
**Water Frontage (ft.):** 65'

**Residency:** ✓ year-round  
___ seasonal (if seasonal, estimate number of weeks per year):

**No. of Occupants:** 2  
**Age of system (yrs.):** 4 yrs

**No. of Total Rooms:** 5  
**No. of Bedrooms:** 2  
**No. of Bathrooms:** 1

**Appliances/Connections:**  
✓ dishwasher  
✓ washing machine  
✓ garbage disposal  
✓ other:

✓ dehumidifier  
✓ sump pump  
✓ roof or pavement drains

**Basement/foundation type:**  
✓ brick or concrete block  
✓ dry masonry stone wall  
✓ poured concrete wall

**Well type:**  
✓ Town Water  
✓ driven point  
✓ drilled rock well  
✓ lake  
✓ spring or cistern  
✓ other: Town Water

**Depth to well intake from surface (ft.):** N/A

**M3A-6**

**Almer Huntley, Jr., & Associates, Inc.**
**Surveyors - Engineers - Landscape Architects**
Prior septic system inspection no. _______ Under who's name is plan titled: _______
Plan filed with Board of Health: ✔

Sewage disposal system:

☐ cesspool: ☐ concrete block ☐ steel ☐ other _______

☑ septic tank: ☐ volume (gal.) ☐ depth
☐ length ☐ width
☐ no. covers ☐ diam. (in.) covers
☐ tees ☐ baffles
☐ depth to top tank (ft.)

☐ distr. box ☐ pump or dosing siphon

☐ leaching pit: ☐ no. ☐ diam (ft.)
☐ depth (ft.) ☐ cover
☐ depth to top below grd.

☐ leaching bed: ☐ length (ft.) ☐ width
☐ avg. depth to top (ft.)
☐ pipe diam (in.) ☐ pipe type

☐ leaching trenches: ☐ no. ☐ length (ft.)
☐ depth (in.) ☐ width (in.)
☐ avg. depth to top (ft.)
☐ pipe diam (in.) ☐ pipe type

☐ reported perc. rate (min./in.) ☐ reported avg. depth to groundwater (ft. +) at leach. area

☐ area remaining for system's replacement

☐ grey water system

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: **CLEAN UP LAKE**

Date of last septic tank/cesspool pumping: **1 YR AGO**

Firm who pumps system: **HAVIARD**

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

To: **lake shore**  **vegetated wetland**

______ brook or stream ________ other ____________________________

Levels:

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BM: ________

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: DEC. 1, 1987
Assessors' Map: 6C
Lot No.: 36
Address: 268 BAY ROAD (X 270) LAKE METACOMET
Owner's Name: IRENE SMITH
Address: SAME
Occupant's Name: SAME
Lot Size: 0.614AC (2,900sq. ft.)
Water Frontage (ft.): None
Residency: ✓ year-round
Seasonal (if seasonal, estimate number of weeks per year):
No. of Occupants: 3
Age of system (yrs.): 47
No. of Total Rooms: 4
No. of Bedrooms: 2
No. of Bathrooms: 1

Appliances/Connections:
- No dishwasher
- Yes washing machine
- No dehumidifier
- No sump pump
- No garbage disposal
- Yes roof or pavement drains
- Other: 

Basement/foundation type:
- ✓ brick or concrete block
- Yes poured concrete floor
- Yes concrete slab on grade
- ✓ Piers or pilings
- No dry masonry stone wall
- No poured concrete wall
- No basement

Well type: N/A
- Yes dug well
- Yes lake
- Yes driven point
- Yes spring or cistern
- Yes drilled rock well
- No other: 

Depth to well intake from surface (ft.): 

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ______
Plan filed with Board of Health: ______

Under who’s name is plan titled: ______

Sewage disposal system:

X cesspool: _____ concrete block _____ steel _____ other

solid concrete wall

____ septic tank: _____ volume (gal.) _____ depth

_____ length _____ width

_____ no. covers _____ diam. (in.) covers

_____ tees _____ baffles

_____ depth to top tank (ft.)

_____ distr. box _____ pump or dosing siphon

X leaching pit: _____ no.

_____ depth (ft.) _____ diam (ft.)

_____ depth to top below grd. at grade

_____ cover steel

_____ leaching bed: _____ length (ft.) _____ width

_____ avg. depth to top (ft.)

_____ pipe diam (in.) _____ pipe type

_____ leaching trenches: _____ no.

_____ length (ft.) _____ length (ft.)

_____ depth (in.) _____ width (in.)

_____ avg. depth to top (ft.)

_____ pipe diam (in.) _____ pipe type

reported perc. rate (min./in.) ______ reported avg. depth to groundwater

GARY SPRING SAID NO LOCATION FOUND TO BE PERKED

(ft. +) at leach. area

_____ area remaining for system’s replacement

NO grey water system

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: STOPPED USING WASHING MACHINE BECAUSE FILLS THE HOLDING TANK

Date of last septic tank/cesspool pumping: LAST WEEK
Firm who pumps system: HAYWARD

Anticipated variances for system replacement: NO RESERVE AREA

Own well setback
Neighbor's well(s) setback MR. DEPOT NOT ON TOWN WATER
Property line(s) setback
Percolation rate-based design
Sideslope requirements
Insufficient available leaching area
Necessary work within 100-year flood plain
Necessary work within 100-foot buffer zone
to: ____ lake shore ____ vegetated wetland
____ brook or stream ____ other _______________________

Levels:
+ HI Elev. BM: 9/10/35
3.12 320.74 317.62

_______ _______ _______ _______ _______ _______ _______ _______ _______
_______ _______ bldg. sill at inv. out
_______ _______ exist. inv. out
_______ _______ cellar floor
4.67 316.07 grnd. el. at septic tank cesspool
_______ _______ grnd. el. at reserve area
_______ _______ grnd. el. at leach area
_______ _______ 305.68 lake el.
3.12 317.62 Closeout

M3A-6 ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

- **Lot Sketch:**

- **Fence:**

- **Cesspool:**

- **House:**

- **Bay Road:**

- **Lot of Water:**

- **Land of Depot:**

- **Right of Way:**

**Note:**

- **10/35**

**Remark:**

- This lot is on town water.
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: DEC. 6 1987
Inspector(s): JBB/JMC
Assessors' Map: 6D
Lot No.: 37
Address: 268 BAY RD LAKE METACOMET
Owner's Name: PETER & PATRICIA WOTOWICZ Telephone No.: 323-7107
Address: SAME
Occupant's Name: SAME (if different from above)
Lot Size: 0.10 AC. (4,500 sq. ft.)
Water Frontage (ft.): 50

Residency: year-round
seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: 4
Age of system (yrs.): 40 YRS ±
No. of Total Rooms: 5
No. of Bedrooms: 3
No. of Bathrooms: 1

Appliances/Connections: no dishwasher
no dehumidifier

washing machine
no sump pump
no garbage disposal
no roof or pavement drains
no other:

Basement/foundation type:
_ brick or concrete block
_ dry masonry stone wall
_ poured concrete wall

poured concrete floor
concrete slab on grade
piers or pilings

Well type: N/A
_ dug well
_ lake
_ driven point
_ spring or cistern
_ drilled rock well
_ other: ________________________

Depth to well intake from surface (ft.): ____

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
Prior septic system inspection no. 

Plan filed with Board of Health: 

Under who's name is plan titled: 

Sewage disposal system:

- cesspool: 
- concrete block
- steel

- septic tank: 
  - volume (gal.)
  - depth
  - length
  - width
  - no. covers
  - covers
  - tees
  - diam. (in.) covers
  - baffles
  - depth to top tank (ft.)

- distr. box
- pump or dosing siphon

- leaching pit: 
  - no.
  - diam (ft.)
  - depth (ft.)
  - cover
  - depth to top below grd.

- leaching bed: 
  - length (ft.)
  - width
  - avg. depth to top (ft.)
  - pipe diam (in.)
  - pipe type

- leaching trenches: 
  - no.
  - length (ft.)
  - depth (in.)
  - width (in.)
  - avg. depth to top (ft.)
  - pipe diam (in.)
  - pipe type

- reported perc. rate (min./in.)
- reported avg. depth to groundwater (ft. +) at leach. area

PROXIMITY TO LAKE

NO area remaining for system's replacement

grey water system WASHING MACHINE.
subdrainage  ROOF DRAINS TO PVC UNDER 1' & APPROX.  
30' FROM COR. HOUSE.

Comments on apparent problems: NEIGHBORS' S. TANK HAD CAVED IN & NO LONGER FUNCTIONS PROPERLY.

Date of last septic tank/cesspool pumping: $75  OCT. 26, 1987
Firm who pumps system: HAYWARD.

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone
to:  lake shore  vegetated wetland
     brook or stream  other

Levels:

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BM: U. POLE 103/35
sill @ inl. out
grd. @ cesspool
TP#1
grd. @ rewater
lake level
? grd @ possible leach
TP#2
bg'sill to inl. 4.3'
cellar floor 6.5'

SEPTIC SYSTEM MAY BE NEAR GROUNDWATER TABLE.

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

*THESE PROPERTIES ARE ON TOWN WATER.*

LAKE METACOMET

LAND OF DEPOT

RIGHT OF WAY

LAND OF SMITH

BAY RD.

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Inventory Field Form

Date: Dec 5, 1987
Assessor's Map: 6D
Lot No.: 35
Address: 272 Bay Rd, Lake Metacomet

Owner's Name: Philip Dreyfus
Telephone No.: 323-7084

Occupant's Name: Same (if different from above)
Lot Size: 0.12AC (5,400 Sq. Ft.)
Water Frontage (ft.): 48

Residency: ✓ year-round
No. of Occupants: 2
Age of system (yrs.): 30 yrs ±
No. of Total Rooms: 4
No. of Bedrooms: 1
No. of Bathrooms: 1

Appliances/Connections:
- ✓ dishwasher
- ✓ washing machine
- ✓ sump pump
- ✓ garbage disposal
- ✓ roof or pavement drains
- ✓ other:

Basement/foundation type:
- ✓ 1/2 brick or concrete block
- ✓ 1/2 poured concrete wall
- ✓ dry masonry stone wall

Well type:
- ✓ dug well
- ✓ driven point
- ✓ drilled rock well
- ✓ lake
- ✓ spring or cistern
- ✓ other:

Depth to well intake from surface (ft.): __________

M3A-6

Almer Huntley, Jr., & Associates, Inc.
Surveyors - Engineers - Landscape Architects
Prior septic system inspection no. __________

Plan filed with Board of Health: __________

Under who's name is plan titled: __________

Sewage disposal system:

- cesspool: ___ concrete block ___ steel ___ other _________

- septic tank: 2 each 600 volume (gal.)
  5 length
  2 no. covers
  2 tees
  2 depth to top tank (ft.)

- dist. box ___ pump or dosing siphon

- leaching pit: ___ no.
  ___ depth (ft.)
  ___ depth to top below grd.

- leaching bed: 1
  25+ avg. length (ft.)
  25+ avg. depth to top (ft.)
  4 pipe diam (in.)

- leaching trenches: ___ no.
  ___ depth (in.)
  ___ avg. depth to top (ft.)
  ___ pipe diam (in.)

- reported perc. rate (min./in.) ___ reported avg. depth to groundwater (ft. +) at leach. area

area remaining for system's replacement

YES grey water system ___  DRY WELL

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: USE RIDEX IN S. TANK

Date of last septic tank/cesspool pumping: ANNUALLY  \( \text{Nov. 10, 1986} \)
Firm who pumps system: LATOUR

Anticipated variances for system replacement:

- Own-well setback
- Neighbor's well(s) setback
- Property-line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

to: ___ lake shore ___ vegetated wetland ___ brook or stream ___ other ___

Levels:

<table>
<thead>
<tr>
<th>HI</th>
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<th>BM:</th>
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BM: UP #103/35

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE METACOMET

BR 272
HOUSE

PORCH

GARAGE

PARKING

BAY RD.

THE SMITHS AND WOSTOWICZ ARE ON TOWN WATER.

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS

H3A-6
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA
SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 12-12-87  Inspector(s):
Assessors' Map: 6B  Lot No.: 145
Address: 11 METACOMET ST. LAKE METACOMET
Owner's Name: SANDY RUSSELL  Telephone No.: 
Address: 
Occupant's Name: SANDY RUSSELL (if different from above)
Lot Size: 0.90 AC (39,400 sq. ft.)
Water Frontage (ft.): 110

Residency: yes year-round  seasonal (if seasonal, estimate number of weeks per year): 
No. of Occupants: 1  Age of system (yrs.): 2 MOS
No. of Total Rooms: 6  No. of Bedrooms: 3  No. of Bathrooms: 1

Appliances/Connections: NO dishwasher  NO dehumidifier
NO washing machine  NO sump pump
NO garbage disposal  NO roof or pavement drains
NO other: 

Basement/foundation type:
- brick or concrete block
- dry masonry stone wall
- poured concrete wall

Well type:
- dug well
- driven point
- drilled rock well
- lake
- spring or cistern
- other: 

Depth to well intake from surface (ft.): 230'  BEDROCK FROM 45-230'

M3A-6  ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. Under who's name is plan titled:

Plan filed with Board of Health: Sewage disposal system:

- Cesspool: __ Concrete block  __ Steel  __ Other

- Septic tank: 1000 volume (gal.)
  - 8 depth
  - 5 length 8 x 5 x 5
  - 1 no. covers
  - 5 width
  - 5 diam. (in.) covers
  - 2 tees
  - 3' depth to top tank (ft.)

(SYSTEM UNFILL FROM HOUSE)

- Distr. box  __ Pump or dosing siphon

- Leaching pit: 1 no.
  - 3' depth (ft.)
  - 3 1/2' depth to top below grd.
  - 3' diam (ft.)
  - 2 cover

- Leaching bed:  __ length (ft.)
  - 1 width
  - 1 avg. depth to top (ft.)
  - 1 pipe diam (in.)

- Leaching trenches:  __ no.
  - 1 length (ft.)
  - 1 depth (in.)
  - 1 width (in.)
  - 1 avg. depth to top (ft.)
  - 1 pipe diam (in.)

- Reported perc. rate (min./in.) 2 reported avg. depth to groundwater

GND WATER @ 7' (ft.) at leach. area

- Area remaining for system's replacement

- Gray-water system

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: 

Date of last septic tank/cesspool pumping: **NEWT AS OF NOV. 1987**

Firm who pumps system: 

Anticipated variances for system replacement:

- [ ] Own well setback
- [ ] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone

To: [ ] lake shore [ ] vegetated wetland
[ ] brook or stream [ ] other

Levels:

<table>
<thead>
<tr>
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<th>Elev.</th>
<th>BM</th>
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<tr>
<td>321.41</td>
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<td>U.P. #19/7</td>
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<td>320.79</td>
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<tr>
<td>311.59</td>
<td>311.59</td>
<td>EAVEMENT FL. 7.5</td>
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<td>316.52</td>
<td>316.52</td>
<td>EAVEMENT FL. 7.5</td>
</tr>
<tr>
<td>319.44</td>
<td>319.44</td>
<td>END @ S.TANK &amp; LEACH PIT</td>
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<tr>
<td>306.24</td>
<td>306.24</td>
<td>END @ RESERVE AREA</td>
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<tr>
<td>320.80</td>
<td>320.80</td>
<td>LAKE LEVEL</td>
</tr>
<tr>
<td>320.79</td>
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<td>BM</td>
</tr>
</tbody>
</table>

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

- A well is 100' deep.
- To Russell's S. System.
- Leach pit.
- Land of Tovet.
- BM nail in 8" pine.
- Well and septic system locations are unknown.

Refuses to co-operate with study therefore well and septic system locations are unknown.
### Application for Disposal Works Construction Permit

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

<table>
<thead>
<tr>
<th>Location/Address</th>
<th>Lot/Parcel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metacomet Street</td>
<td>Lot 145</td>
</tr>
</tbody>
</table>

- Owner: Sandra Russell
- Address: 797 Bartys Pit Road, Northampton, MA.

**Type of Building**

- Dwelling — No. of Bedrooms: 3
- Expansion Attic: ( )
- Garbage Grinder ( ): ( )
- Other — Type of Building: No. of persons: Showers ( ): Cafeteria ( ):
- Other fixtures:

**Design Flow**

- Gallons per person per day: 2.5
- Total daily flow: 3.20 gallons.

**Septic Tank**

- Liquid capacity: 1000 gallons
- Length: 8.5'
- Diameter: 5'
- Depth: 5

**Disposal Trench**

- No.: 1
- Width: 7
- Total Length: 14.5'
- Total leaching area: 108.1 square ft.

**Seepage Pit**

- No.: 1
- Diameter: 2.5'
- Depth below inlet: 2.5
- Total leaching area: 15.5 square ft.

**Other Distribution box ( ) Dosing tank ( )**

**Percolation Test Results**

- Test Pit No. 1: Performed by ( )
- Test Pit No. 2: Date: 4/7/87

**Description of Soil Enclosed**

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

**Agreement:**

The undersigned agrees to install the aforesaid Individual Sewage Disposal System in accordance with the provisions of TITLE 5 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: [Signature]
Date: 5-10-87

**Certificate of Compliance**

**THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed (✓) or Repaired ( )**

- at Lot 145 Metacomet Street

has been installed in accordance with the provisions of TITLE 5 of the State Sanitary Code as described in the application for Disposal Works Construction Permit No. 7051 dated 5-10-87.

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

Date: 9/20/87
Inspector: [Signature]
PLAN SHOWING SEWAGE DISPOSAL SYSTEM

R: Sandra Russell
997 Burts Pit Road
Northampton, MA.

T: Lot 145
Metacomet Street
Belchertown, MA.

Y: F.A. Filios w.t.
69 Pelham Road
Amherst, MA.

SCALE: 1" = 40'

DATE: May 7, 1987

LAKE
PERC TEST DATA SHEET

DATE April 7, 1987  LOCATION 11 Metacom St. Belchertown

OWNER Sandra Russell

ADDRESS 987 Burns Pt. Rd. Northampton

PERS Fred Ellis

FORM

OBSERVED David Zaremba

BENCH MARK

PERC DEPTH 58"

SOAK Court Held

INITIAL 3" SOAK

TEST

12" 11:57  7 7:105 sec.

9" 1:35 sec  6 3 min 46 sec.

8" 25.2 sec

ATE 2 min.

Metacom St.

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>9&quot;</td>
<td>9&quot;</td>
</tr>
<tr>
<td>2:10</td>
<td>2:10</td>
</tr>
</tbody>
</table>

A2

| 9" | 9" |

| 2:10 |

| 7 1/2 |

| 2:50:51 5-18-81 | 7 1/2 |

| 1 |

| 1 |

| 1 |

| 1 |
ALL MATERIALS AND CONSTRUCTION WILL BE IN ACCORDANCE WITH COMM. OF MASS. DEQ.E. STATE ENVIRONMENTAL CODE TITLE 5.

SPECIFICATIONS

38dm x 110 = 350 gallons required
Perch Rate = 2 mm/inch sides = 2.5 sq ft. Bottom = 10 sq ft
Leach Pit: 16.5' long x 7' wide x 3' deep

CALCULATIONS

Sides: 16.5' x 2.3' x 2 = 75.9 sq ft. x 2.5 gal/sq ft = 190.9 gal
7' x 2.3' x 2 = 32.2 sq ft x 2.5 gal/sq ft = 80.5 gal
Bottom: 16.5' x 7' = 115.5 x 1.0 = 115.5 gal
Proposed Total = 385.75 gallons
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA
SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: DEC. 4, 1987  Inspector(s): ^o/ ^o/mi
Assessors' Map: 6P  Lot No.: 144
Address: 13 METACOMET ST  PHONE 323-6083
Owner's Name: EVERETT  TOVET  Telephone No.: 323-6083
Address: 13 METACOMET STREET
Occupyant's Name: TOWN  (if different from above)
Lot Size: 1.68 AC  (73,500 sq. ft.)  Water Frontage (ft.): 75'

Residency: ✓ year-round  ___ seasonal (if seasonal, estimate number of
weeks per year):

No. of Occupants: 2  Age of system (yrs.): 1979
No. of Total Rooms: 5  No. of Bedrooms: 3  No. of Bathrooms: 1.5

Appliances/Connections:
✓ dishwasher  ✓ dehumidifier
✓ washing machine  NO sump pump
✓ garbage disposal  NO roof or pavement drains
___ other:

Basement/foundation type:
___ brick or concrete block  ✓ poured concrete floor
___ dry masonry stone wall  ___ concrete slab on grade
✓ poured concrete wall  ___ piers or pilings

Well type:
✓ dug well  ___ lake
___ driven-point 6" pipe  ___ spring or cistern
___ drilled rock well  ___ other:

Depth to well intake from surface (ft.): 85'

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. 
Plan filed with Board of Health: YES 
Under who's name is plan titled: SAME

Sewage disposal system:

- cesspool: ___ concrete block ___ steel ___ other

- septic tank: 
  - volume (gal.) 1200
  - depth
  - width
  - no. covers 2
  - diam. (in.) covers
  - tees
  - depth to top tank (ft.)

- distr. box

- pump or dosing siphon

- leaching pit: 
  - no. 1
  - diam (ft.)
  - depth (ft.)
  - cover
  - depth to top below grd.

- leaching bed: 
  - length (ft.)
  - avg. depth to top (ft.)
  - pipe diam (in.)

- leaching trenches: 
  - no.
  - length (ft.)
  - depth (in.)
  - width (in.)
  - avg. depth to top (ft.)
  - pipe diam (in.)
  - pipe type

- reported perc. rate (min./in.)

- reported avg. depth to groundwater (ft. +) at leach. area

YES area remaining for system's replacement

No grey water system

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: A WELL WAS DRILLED UNDER THE KITCHEN WINDOW AND FOUND TO BE CONTAMINATED, SO IT WAS RE-LOCATED TO ITS PRESENT POSITION.

Date of last septic tank/cesspool pumping: 2.5 YEARS AGO.
Firm who pumps system: HAYWARD

Anticipated variances for system replacement:

- [ ] Own well setback
- [ ] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone

to:

- [ ] lake shore
- [ ] vegetated wetland
- [ ] brook or stream
- [ ] other

Levels:

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BM: JP = 19/7
GND AT S. TANK
GND AT L.PIT
GND AT RESERVE
SILL
INN OUT 1:8
CELLAR FLOOR 7.5
LAKE LEVEL

BM: CLOSEOUT
Lot Sketch:

LAND OF TOVET

LAND OF RUSSELL

LAKE METACOMET

RUSSELL'S S.
SYSTEM IS 100'+
TO TOVET'S WELL.

SEPTIC TANK

LEACH PIT

RESERVE

M3A-6

WELL

WELL

LAVIGNE'S SEPTIC SYSTEM AND WELL ARE 100' FROM TOVET'S SEPTIC SYSTEM AND WELL.

GAR.
**Application for Disposal Works Construction Permit**

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

<table>
<thead>
<tr>
<th>Metacomet Street</th>
<th>972 Sunrise Terrace, Springfield, MA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Everett Avenue</td>
<td>7th Street</td>
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</table>

**Owner**

<table>
<thead>
<tr>
<th>Address</th>
<th>Owner Name</th>
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<tr>
<td></td>
<td>F. Maria</td>
</tr>
</tbody>
</table>

**Type of Building**

<table>
<thead>
<tr>
<th>Dwelling</th>
<th>No. of Bedrooms</th>
<th>3</th>
<th>Expansion Attic</th>
<th>( )</th>
</tr>
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<tbody>
<tr>
<td>Other</td>
<td>Type of Building</td>
<td></td>
<td>No. of persons</td>
<td>180</td>
</tr>
<tr>
<td></td>
<td>Showers</td>
<td></td>
<td>Garbage Grinder</td>
<td>( )</td>
</tr>
<tr>
<td></td>
<td>Cafeteria</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Design Flow**

- Gallons per person per day: 3.3

**Septic Tank**

<table>
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<tr>
<th>Liquid Capacity</th>
<th>Gallons</th>
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<tr>
<td>Length</td>
<td>Width</td>
</tr>
<tr>
<td>100</td>
<td>50</td>
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**Disposal Trench**

<table>
<thead>
<tr>
<th>No.</th>
<th>Width</th>
<th>Total Length</th>
<th>Total Leaching Area</th>
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</thead>
<tbody>
<tr>
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</table>

**Seepage Pit**

<table>
<thead>
<tr>
<th>No.</th>
<th>Diameter</th>
<th>Depth below inlet</th>
<th>Total Leaching Area</th>
</tr>
</thead>
<tbody>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Other Distribution Box**

-答
- Teling tank

**Percolation Test Results**

- Performed by: Cold Spring Associates
- Date: 6/1/79
- Test Pit No. 1: 12 minutes per inch Depth of Test Pit: 34" Depth to ground water: 6' 6"
- Test Pit No. 2: 12 minutes per inch Depth of Test Pit: 34" Depth to ground water: 6' 6"

**Description of Soil**

- 0'-6" Topsoil
- 6"-32" Subsoil
- 32"-60" Gravel
- 60"-100" Gravel
- No water observed

**Nature of Repairs or Alterations**

- Answer when applicable

**Agreement**

The undersigned agrees to install the aforesaid Individual Sewage Disposal System in accordance with the provisions of TITLE 5 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.

**Certificate of Compliance**

This is to certify, that the Individual Sewage Disposal System constructed ( ) or repaired ( ) by

<table>
<thead>
<tr>
<th>Metacomet Street</th>
<th>Everett Avenue</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>F. Maria</td>
</tr>
</tbody>
</table>

has been installed in accordance with the provisions of TITLE 5 of the State Sanitary Code as described in the application for Disposal Works Construction Permit No. ( ) B120, dated ( ) 6/25/79.

The issuance of this certificate shall not be construed as a guarantee that the system will function satisfactory.

**Date**

6/25/79
Lot Owned By
Everett Tovet

H2 8" TOAS,OL
19'
SUBSOIL

GRavel + SAND

6/25/99

Lake Metacomet

B120
7-23-99

COLD SPRING ENGINEERING & SURVEYING, INC.
POST OFFICE BOX 762.
BELCHERTOWN, MA 01007
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA
SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 1-6-53

Assessors' Map: LB
Lot No.: 146
Address: 17 METACOMET ST, BELCHERTOWN, MA
Owner's Name: LILLIAN LAUGHE
Telephone No.: 694-6813
Address: 25 STEARNS TERR, CHICAGO

Occupant's Name: SAME
Lot Size: 1.19 AC (52,750 sq ft)
Water Frontage (ft.): 55

Residency: __ year-round  ✓ seasonal (if seasonal, estimate number of weeks per year): 10

No. of Occupants: 1  Age of system (yrs.): 7-15-80
No. of Total Rooms: 5  No. of Bedrooms: 2  No. of Bathrooms: 1

Appliances/Connections: NO dishwasher  NO dehumidifier
NO washing machine  NO sump pump
NO garbage disposal  NO roof or pavement drains
other: __________________________

Basement/foundation type:
✓ brick or concrete block  ___ poured concrete floor
___ dry masonry stone wall  ___ concrete slab on grade
___ poured concrete wall  ___ piers or pilings

Well type:
___ dug well  ___ lake
___ driven point  ___ spring or cistern
✓ drilled rock well  ___ other: __________________

Depth to well intake from surface (ft.): 300

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. **R-222**
Plan filed with Board of Health: **YES**
Under who's name is plan titled:

**ALMER HUNTLEY, JR., & ASSOCIATES, INC.**
**SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS**

<table>
<thead>
<tr>
<th>Sewage disposal system:</th>
</tr>
</thead>
<tbody>
<tr>
<td>____ cesspool: ____ concrete block ____ steel ____ other ________</td>
</tr>
<tr>
<td>___ septic tank: ___ volume (gal.) ______ depth</td>
</tr>
<tr>
<td>____ length</td>
</tr>
<tr>
<td>____ width</td>
</tr>
<tr>
<td>____ no. covers</td>
</tr>
<tr>
<td>____ diam. (in.) covers</td>
</tr>
<tr>
<td>____ tees</td>
</tr>
<tr>
<td>____ baffles</td>
</tr>
<tr>
<td>____ depth to top tank (ft.)</td>
</tr>
<tr>
<td>___ distr. box ____ pump or dosing siphon</td>
</tr>
<tr>
<td>___ leaching pit: ___ no. ______ 4x8' diam (ft.)</td>
</tr>
<tr>
<td>___ depth (ft.) ______ cover</td>
</tr>
<tr>
<td>___ depth (ft.)</td>
</tr>
<tr>
<td>___ depth to top below grd.</td>
</tr>
<tr>
<td>___ leaching bed: ____ length (ft.) ____ width</td>
</tr>
<tr>
<td>____ avg. depth to top (ft.)</td>
</tr>
<tr>
<td>____ pipe diam (in.) ____ pipe type</td>
</tr>
<tr>
<td>___ leaching trenches: ___ no. ____ length (ft.)</td>
</tr>
<tr>
<td>____ depth (in.) ____ width (in.)</td>
</tr>
<tr>
<td>____ avg. depth to top (ft.)</td>
</tr>
<tr>
<td>____ pipe diam (in.) ____ pipe type</td>
</tr>
<tr>
<td>___ reported perc. rate (min./in.) ___ reported avg. depth to groundwater</td>
</tr>
<tr>
<td>____ (ft.) at leach. area</td>
</tr>
<tr>
<td>___ area remaining for system's replacement</td>
</tr>
<tr>
<td>___ grey water system</td>
</tr>
</tbody>
</table>

---

**M3A-6**
- 3 -

**I.D. No.** M5017

---

**No** subdrainage

---

Comments on apparent problems:

---

Date of last septic tank/cesspool pumping: **NEVER**

---

Firm who pumps system:

---

Anticipated variances for system replacement:

- **NO** Own well setback
- **NO** Neighbor's well(s) setback
- **NO** Property line(s) setback
- **NO** Percolation rate-based design
- **NO** Sideslope requirements
- **NO** Insufficient available leaching area
- **NO** Necessary work within 100-year flood plain
- **NO** Necessary work within 100-foot buffer zone

- to: ___ lake shore ___ vegetated wetland
  ___ brook or stream ___ other

---

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>HI</th>
<th>-</th>
<th>Elev.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.88</td>
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<td>314.80</td>
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<td>13.31</td>
<td>301.37</td>
<td><strong>LAKE (METACOMET)</strong></td>
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<tr>
<td></td>
<td>5.93</td>
<td>313.75</td>
<td><strong>SILL</strong></td>
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<td>3.12</td>
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<td><strong>INV. OUT 1.2'</strong></td>
</tr>
<tr>
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<td>5.46</td>
<td>314.22</td>
<td><strong>BASEMENT FLR. 5.2'</strong></td>
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<td>4.08</td>
<td>315.60</td>
<td><strong>GND. AT TANK</strong></td>
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<td>3.83</td>
<td>316.45</td>
<td><strong>GND. AT PIT</strong></td>
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<td>4.89</td>
<td>314.79</td>
<td><strong>RESERVE ACCORDING TO PLAN</strong></td>
</tr>
</tbody>
</table>

---

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE METACOMET

SEPTIC SYSTEM AND WELL OF THIS LOT ARE 120' FROM EACH OTHER AND NEIGHBORING SYSTEMS:

LAND OF TOUET

LAND OF BORCHERS

WELL IS 100' TO LAUIGNE'S S. SYSTEM

S. SYSTEM IS 100' FROM LAUIGNE'S WELL

NEW LEACH RESERVE TANK AREA

NEW WELL

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Application for Disposal Works Construction Permit

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

Address: 15 Met A Corner
Lillian Lavigne
Bill Comer

Installer

Type of Building
Dwelling — No. of Bedrooms 2
Expansion Attic ( )
Garbage Grinder (X)
Other — Type of Building
No. of persons
Showers ( ) — Cafeteria ( )
Other fixtures

Design Flow: 500 gallons per person per day. Total daily flow: 2,800 gallons.

Septic Tank — Liquid capacity: 10,000 gallons. Length: 10 ft., Diameter: 2 ft., Depth: 6 ft.

Disposal Trench — No. 3 Width: 2 ft., Total Length: 30 ft., Total leaching area: 150 sq. ft.

Seepage Pit No. 2 Diameter: 4 ft., Depth below inlet: 3 ft., Total leaching area: 150 sq. ft.

Other Distribution box ( ) — Dosing tank ( )
Percolation Test Results: Performed by: P.E. Dealers, Inc.
Test Pit No. 1: 10 minutes per inch. Depth of Test Pit: 8 ft. Depth to ground water: 15 ft.
Test Pit No. 2: 20 minutes per inch. Depth of Test Pit: 8 ft. Depth to ground water: 15 ft.

Description of Soil: MESA SANTA CORNER, CACULLA

Nature of Repairs or Alterations: Answer when applicable: INSTALL MEX-1

Agreement:
The undersigned agrees to install the aforesaid Individual Sewage Disposal System in accordance with the provisions of TITLE 5 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: William H. Clark
Date: 7-15-80

Application Approved: By: 

Application Disapproved for the following reasons:

Permit No. 6232

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH
Town of Belchertown
Certificate of Compliance

THIS IS TO CERTIFY that the Individual Sewage Disposal System constructed () or Repaired (X) by William H. Clark at 15 Met A Corner
has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. 6232, dated 6-14-80.

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

Date: 7-15-80

Inspector: William H. Clark
SubSurance Protection Plan

Available exclusively from participating Goulds Professional Dealers.

SubSurance assures that if your new Goulds submersible pump should fail within five years after date of installation, you will receive repairs or replacement at no cost for the pump and/or motor. (Dealer's service for pulling or re-installing in the well are not included in SubSurance. For about high temperature and wear of parts not covered by SubSurance, ask your dealer for a separate warranty.

Information for future reference about your well.

<table>
<thead>
<tr>
<th>Location of Well:</th>
<th>EFt of House Right Side of Driv</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Depth of Well:   | 300' |
| Pump Setting:    | 2.75 |
| Depth to Water:  | 30'  |
| Well Diameter:   | 6''  |
| GPM Capacity:    | 10 GPM |
| GPM Flow:        |       |

Notes: Well Drilled by House Bros

Owner: Thomas Crown

Form No. 8652-WS
In consideration of payment of $15.00 at time of pump installation, Dealer agrees to repair or replace at no charge for the Goulds submersible pump identified on this certificate if failure occurs within 5 years after date of installation.

This protection plan does NOT cover labor involved in pulling or reinstalling the pump; nor failures attributed to pipe, cable, controls or accessories; misuse; nor consequential damages.
**Application for Disposal Works Construction Permit**

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

- **Address**: East St. M. Cone, St.

**Bill Clarke**

<table>
<thead>
<tr>
<th>Type of Building</th>
<th>No. of Bedrooms</th>
<th>Expansion Attic</th>
<th>Garbage Grinder</th>
<th>Other Fixtures</th>
</tr>
</thead>
</table>

- **Design Flow**: 5.5 gallons per person per day. Total daily flow: 220 gallons.
- **Septic Tank**: Liquid capacity 1000 gallons. Length 6 ft. Width 4 ft. Diameter 6 ft. Depth 12 ft.
- **Disposal Trench**: No. 5, Width 6 ft. Total Length 80 ft. Total leaching area 956 sq. ft. Depth to ground water 3 ft.
- **Seepage Pit No. 1**: Diameter 10 ft. Total leaching area 650 sq. ft. Depth below inlet 3 ft.
- **Other Distribution box**: Dosing tank 3 ft. Depth 12 ft.

- **Percolation Test Results**: Performed by: ( ) Person Date: 6-14-80

**Nature of Repairs or Alterations**: Answer when applicable. Inspected by: ( ) Person

**Agreement**: The undersigned agrees to install the aforesaid Individual Sewage Disposal System in accordance with the provisions of TITLE 5 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.

**Application Approved By**: (Signature) date: 7-15-80

**Application Disapproved for the following reason**: (Signature) date: 7-9-80

**Permit No.**: B223 Issued: jahr0

---

**Certificate of Compliance**

This is to certify that the Individual Sewage Disposal System constructed (X) or Repaired ( ) by:

- **Address**: East St. M. Cone, St.

has been installed in accordance with the provisions of TITLE 5 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 satisfactorily.

Date: 7-15-80

Inspector: (Signature)
**ARCADIA AND METACOMET LAKES**  
**BELCHERTOWN, MA**  
**SEPTIC SYSTEMS MANAGEMENT STUDY**

**INVENTORY FIELD FORM**

<table>
<thead>
<tr>
<th>Date:</th>
<th>1-6-88</th>
<th>Inspector(s):</th>
<th>YES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessor's Map:</td>
<td>68</td>
<td>Lot No.:</td>
<td>147</td>
</tr>
<tr>
<td>Address:</td>
<td>19 Metacomet St, LAKE METACOMET</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Owner's Name:</td>
<td>Jean Borchers</td>
<td>Telephone No.:</td>
<td>594-4912</td>
</tr>
<tr>
<td>Address:</td>
<td>18 Luxfer Terr, Chicopee</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Occupant's Name:</td>
<td>(if different from above)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lot Size:</td>
<td>0.58 AC (25,600 sq. ft.)</td>
<td>Water Frontage (ft.):</td>
<td>40'</td>
</tr>
<tr>
<td>Residency:</td>
<td>☑ year-round</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. of Occupants:</td>
<td>8</td>
<td>Age of system (yrs.):</td>
<td>7-15-80</td>
</tr>
<tr>
<td>No. of Total Rooms:</td>
<td>4</td>
<td>No. of Bedrooms:</td>
<td>2</td>
</tr>
<tr>
<td>No. of Bathrooms:</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Appliances/Connections:</td>
<td>NO dishwasher</td>
<td>NO dehumidifier</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NO washing machine</td>
<td>NO sump pump</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NO garbage disposal</td>
<td>NO roof or pavement drains</td>
<td></td>
</tr>
<tr>
<td></td>
<td>other:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basement/foundation type:</td>
<td>NO FULL BASEMENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>☐ brick or concrete block</td>
<td>☐ poured concrete floor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>☐ dry masonry stone wall</td>
<td>☐ concrete slab on grade</td>
<td></td>
</tr>
<tr>
<td></td>
<td>☐ poured concrete wall</td>
<td>☐ piers or pilings</td>
<td></td>
</tr>
<tr>
<td>Well type:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>QUAD BINS</td>
<td>☑ dug well</td>
<td>lake</td>
</tr>
<tr>
<td></td>
<td>STONECOURSE BROS.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CT</td>
<td>☐ driven point</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>☑ drilled rock well</td>
<td></td>
</tr>
<tr>
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<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth to well intake from surface (ft.):</td>
<td>300'</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

M3A-6  
ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS · ENGINEERS · LANDSCAPE ARCHITECTS
Prior septic system inspection no. ________ Under who's name is plan ________
Plan filed with Board of Health: ________ titled: LILLIAN LAVIGNE

Sewage disposal system:

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Cesspool</td>
<td>_____ cesspool: _____</td>
</tr>
<tr>
<td></td>
<td>concrete block</td>
</tr>
<tr>
<td></td>
<td>steel</td>
</tr>
<tr>
<td></td>
<td>other</td>
</tr>
<tr>
<td>Septic tank</td>
<td>_____ septic tank: _____</td>
</tr>
<tr>
<td></td>
<td>volume (gal.)</td>
</tr>
<tr>
<td></td>
<td>depth</td>
</tr>
<tr>
<td></td>
<td>length</td>
</tr>
<tr>
<td></td>
<td>width</td>
</tr>
<tr>
<td></td>
<td>no. covers</td>
</tr>
<tr>
<td></td>
<td>diam. (in.) covers</td>
</tr>
<tr>
<td></td>
<td>tees</td>
</tr>
<tr>
<td></td>
<td>baffles</td>
</tr>
<tr>
<td></td>
<td>depth to top tank (ft.)</td>
</tr>
<tr>
<td>Distribution box</td>
<td>_____ distr. box: _____</td>
</tr>
<tr>
<td></td>
<td>pump or dosing siphon</td>
</tr>
<tr>
<td>Leaching pit</td>
<td>_____ leaching pit: _____</td>
</tr>
<tr>
<td></td>
<td>no.</td>
</tr>
<tr>
<td></td>
<td>diam (ft.)</td>
</tr>
<tr>
<td></td>
<td>depth (ft.)</td>
</tr>
<tr>
<td></td>
<td>cover</td>
</tr>
<tr>
<td></td>
<td>depth to top below grd.</td>
</tr>
<tr>
<td>Leaching bed</td>
<td>_____ leaching bed: _____</td>
</tr>
<tr>
<td></td>
<td>length (ft.)</td>
</tr>
<tr>
<td></td>
<td>width</td>
</tr>
<tr>
<td></td>
<td>avg. depth to top (ft.)</td>
</tr>
<tr>
<td></td>
<td>pipe diam (in.)</td>
</tr>
<tr>
<td></td>
<td>pipe type</td>
</tr>
<tr>
<td>Leaching trenches</td>
<td>_____ leaching trenches: _____</td>
</tr>
<tr>
<td></td>
<td>no.</td>
</tr>
<tr>
<td></td>
<td>length (ft.)</td>
</tr>
<tr>
<td></td>
<td>depth (in.)</td>
</tr>
<tr>
<td></td>
<td>width (in.)</td>
</tr>
<tr>
<td></td>
<td>avg. depth to top (ft.)</td>
</tr>
<tr>
<td></td>
<td>pipe diam (in.)</td>
</tr>
<tr>
<td></td>
<td>pipe type</td>
</tr>
<tr>
<td>Reported perc. rate (min./in.)</td>
<td>reported avg. depth to groundwater (ft.) at leach. area</td>
</tr>
</tbody>
</table>

No area remaining for system's replacement

Grey water system ____________________________
Comments on apparent problems: _ALGAE IN LAKE MUD FLATS FORM IN FRONT OF CAMPS AND THERE ARE MORE EACH YEAR. BEGAN IN LAST 10 YRS. WORSE LAST 4 YRS._

Date of last septic tank/cesspool pumping: _NEVER_
Firm who pumps system: _J/A_

Anticipated variances for system replacement:

- [ ] Own well setback
- [ ] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone

To:
- [ ] Lake shore
- [ ] Vegetated wetland
- [ ] Brook or stream
- [ ] Other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>HI</th>
<th>-</th>
<th>Elev.</th>
<th>BM</th>
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</thead>
<tbody>
<tr>
<td>4.75</td>
<td>319.55</td>
<td></td>
<td>314.80</td>
<td>U.P. 2-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5.95</td>
<td>313.60</td>
<td>GND @ IN/OUT</td>
</tr>
<tr>
<td></td>
<td>5.51</td>
<td>314.04</td>
<td>GND @ TANK</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5.50</td>
<td>314.05</td>
<td>GND @ PIT &amp; RESERVE</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>305.78</td>
<td>Lake level</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Closeout</td>
<td>4.75</td>
<td>314.80</td>
<td>BM: 314.80</td>
<td></td>
</tr>
</tbody>
</table>
Lot Sketch:

LAND OF LAVIGNE

LAKE META COMET

PROBABLY LOCATION OF SYSTEM
VENT STACK

ACTUAL LOCATION OF SYSTEM
AND WELL UNKNOWN

THIS SEPTIC SYSTEM AND
WELL IS 120' FROM
EACH OTHER.

WELL IS 100' TO BORCHER'S
SEPTIC SYSTEM
**INVENTORY FIELD FORM**

**Date:** 12/22/87  
**Inspector(s):**  

**Assessors' Map:** 6B  
**Lot No.:** 149 + 150  

**Address:** 27 Metacomet St., Lake Metacomet  

**Owner's Name:** Rosemarie Lega  
**Telephone No.:** 323-6075  

**Occupant's Name:** (if different from above)  

**Lot Size:** 0.78 AC (34,000 Sq. Ft.)  
**Water Frontage (ft.):** 50'  

**Residency:** ✓ year-round  
— seasonal (if seasonal, estimate number of weeks per year):  

**No. of Occupants:** 2  
**Age of system (yrs.):** 1948  
**No. of Total Rooms:** 4  
**No. of Bedrooms:** 2  
**No. of Bathrooms:** 1  

**Appliances/Connections:**  
- NO dishwasher  
- NO dehumidifier  
- NO washing machine  
- NO sump pump  
- NO garbage disposal  
- NO roof or pavement drains  
- ✓ other:  

**Basement/foundation type:**  
- ✓ brick or concrete block  
- ➥ dry masonry stone wall  
- ➥ poured concrete wall  

**Well type:**  
- ✓ dug well  
- ➥ driven-point  
- ➥ drilled rock well  
- ➥ lake  
- ➥ spring or cistern  
- ➥ other:  

**Depth to well intake from surface (ft.):** ?  

---

**I.D. No.** MSC 27  
**Lot No.:** 149 + 150  

**ALMER HUNTLEY, JR., & ASSOCIATES, INC.**  
**SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS**
Prior septic system inspection no. Under who's name is plan
Plan filed with Board of Health: titled:

Sewage disposal system: **Probably a Patenaude System**

- **Cesspool:** ✓ concrete block   ___ steel   ___ other ______

- **Septic tank:** ___ volume (gal.)   ___ depth
  ___ length   ___ width
  ___ no. covers   ___ diam. (in.) covers
  ___ tees   ___ baffles
  ___ depth to top tank (ft.)

- **Distr. box:** ___ pump or dosing siphon

- **Leaching pit:** 1 no.  2**square** 2x4 diam (ft.)
  ___ depth (ft.)
  ___ depth to top below grd.

- **Leaching bed:** ___ length (ft.)   ___ width
  ___ avg. depth to top (ft.)
  ___ pipe diam (in.)   ___ pipe type

- **Leaching trenches:** ___ no.   ___ length (ft.)
  ___ depth (in.)   ___ width (in.)
  ___ avg. depth to top (ft.)
  ___ pipe diam (in.)   ___ pipe type

- **Reported perc. rate (min./in.)** ___ reported avg. depth to groundwater
  ___ (ft. +) at leach. area

✓ area remaining for system's replacement

**No** grey water system

---

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
YES subdrainage

Comments on apparent problems: **H2O STAINS SINK BLUE**

Date of last septic tank/cesspool pumping: **EVERY 3 YRS.**
Firm who pumps system: **HAYWARD**

Anticipated variances for system replacement:

- Pump System
- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

To:  

- ✔ Lake shore
- Vegetated wetland
- Brook or stream
- Other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>HI</th>
<th>Elev.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.18</td>
<td>323.25</td>
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<tr>
<td></td>
<td>323.07</td>
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</tr>
<tr>
<td></td>
<td>11.45</td>
<td>311.80</td>
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<td></td>
<td>11.70</td>
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<td></td>
<td>42.5</td>
<td>314.05</td>
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<tr>
<td>-</td>
<td>305.78</td>
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</tr>
<tr>
<td></td>
<td>306.30</td>
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</tr>
<tr>
<td></td>
<td>305.80</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.18</td>
<td>323.07</td>
</tr>
</tbody>
</table>

BM: U.P. #17/9

Sill: Leaching Pit: Reserve Cube: Lake Level

Inv. Out. Bldg. 5.5'  Floor 6.0'

BM: Closeout

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

Probable Well Location 86
14' Leach Pit
34' House
18' Well
55' Well Approx.
115' S. Tank

WELL IS LOCATED IN REAR OF LOT AND IS 100' FROM LEGAL'S WELL.
## INVENTORY FIELD FORM

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>1-19-88</td>
</tr>
<tr>
<td>Inspector(s)</td>
<td>JMT/JSB</td>
</tr>
<tr>
<td>Assessors' Map</td>
<td>48</td>
</tr>
<tr>
<td>Lot No.</td>
<td>151</td>
</tr>
<tr>
<td>Address</td>
<td>35 Metacomet St. Lake Metacomet</td>
</tr>
<tr>
<td>Owner's Name</td>
<td>Claire &amp; John Panda</td>
</tr>
<tr>
<td>Telephone No.</td>
<td>92-3325</td>
</tr>
<tr>
<td>Address</td>
<td>297 Broadway, Chicopee, MA. 01020</td>
</tr>
<tr>
<td>Occupant's Name</td>
<td>Same (if different from above)</td>
</tr>
<tr>
<td>Lot Size</td>
<td>1.95ac (85.200 sq. ft.)</td>
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<tr>
<td>Water Frontage (ft.)</td>
<td>120' ½</td>
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<tr>
<td>Residency</td>
<td>year-round</td>
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<tr>
<td>Seasonal (if seasonal, estimate number of weeks per year)</td>
<td>12 weeks</td>
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<tr>
<td>No. of Occupants</td>
<td>2</td>
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<tr>
<td>Age of system (yrs.)</td>
<td>6 mos.</td>
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<tr>
<td>No. of Total Rooms</td>
<td>5</td>
</tr>
<tr>
<td>No. of Bedrooms</td>
<td>2</td>
</tr>
<tr>
<td>No. of Bathrooms</td>
<td>½</td>
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<td>Appliances/Connections</td>
<td>No dishwasher</td>
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<tr>
<td></td>
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<tr>
<td></td>
<td>No washing machine</td>
</tr>
<tr>
<td></td>
<td>No sump pump</td>
</tr>
<tr>
<td></td>
<td>No garbage disposal</td>
</tr>
<tr>
<td></td>
<td>No roof or pavement drains</td>
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<tr>
<td></td>
<td>other:</td>
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<tr>
<td>Basement/foundation type</td>
<td>brick or concrete block</td>
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<tr>
<td></td>
<td>dry masonry stone wall</td>
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<td>poured concrete wall</td>
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<td>Well type</td>
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<td>driven point</td>
</tr>
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<td></td>
<td>drilled rock well</td>
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<tr>
<td></td>
<td>lake</td>
</tr>
<tr>
<td></td>
<td>spring or cistern</td>
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<td></td>
<td>other:</td>
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<tr>
<td>Depth to well intake from surface (ft.)</td>
<td>75'</td>
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</table>

**Recommended Septic System Alternative No. 5**
Prior septic system inspection no. _______ Under who's name is plan ,
Plan filed with Board of Health: _______ titled: _____________

Sewage disposal system:

- cesspool: ______ concrete block ______ steel ______ other ______

- septic tank: ______ 1000 volume (gal.) ______ 48" depth
  ______ 96" length ______ 52" width
  ______ no. covers ______ diam. (in.) covers
  ______ tees ______ baffles
  ______ depth to top tank (ft.)

- distr. box ______ pump or dosing siphon

- leaching pit: ______ 1 no. ______ 12'x15' diam (ft.)
  ______ 2' depth (ft.) ______ cover
  ______ 9' depth to top below grd.

- leaching bed: ______ length (ft.) ______ width
  ______ avg. depth to top (ft.)
  ______ pipe diam (in.) ______ pipe type

- leaching trenches: ______ no. ______ length (ft.)
  ______ depth (in.) ______ width (in.)
  ______ avg. depth to top (ft.)
  ______ pipe diam (in.) ______ pipe type

- reported perc. rate (min./in.) ______ reported avg. depth to groundwater
  (ft. +) at leach. area

- area remaining for system's replacement

- grey water system

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
I.D. No. M3A-6

- **subdrainage response:** Yes to Drainage in Lake.

**Comments on apparent problems:** Suds on water from other residence along Metacomet St.

**Date of last septic tank/cesspool pumping:**

**Firm who pumps system:**

**Anticipated variances for system replacement:**
- [ ] Own well setback
- [x] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone

**Levels:**

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<th>Closeout</th>
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<td>322.02</td>
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<td>3.18</td>
<td>318.93</td>
<td>In. Out 3.0'</td>
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<tr>
<td>3.15</td>
<td>318.31</td>
<td>Basement Flr. 6.0'</td>
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<td>7.13</td>
<td>318.31</td>
<td>S. Tank</td>
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</tr>
<tr>
<td>4.76</td>
<td>320.68</td>
<td>Sill</td>
<td></td>
</tr>
<tr>
<td>2.65</td>
<td>322.79</td>
<td>Lake</td>
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</tbody>
</table>

M3A-6 ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAND OF KOSIOREK

WELL ON THIS LOT NOT OBSERVED IN THE FIELD.

LAND OF LEGA

LEACH PIT

RESERVE AREA

56'

120' ±

TO WELL

115' ±

55' ±

WELL

34'

HOUSE

S. TANK

LAKE METACOMET

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
**Application for Disposal Works Construction Permit**

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

<table>
<thead>
<tr>
<th>Lot</th>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Claire E. Fonda</td>
<td>35 Metacom St.</td>
</tr>
</tbody>
</table>

**Type of Building**
- Dwelling: Yes, No. of Bedrooms: 2
- Expansion Attic: No
- Garbage Grinder: No
- Cafeteria: No
- Other fixtures: No

**Design Flow**
- Gallons per person per day: 220
- Total daily flow: 220 gallons

**Septic Tank**
- Liquid capacity: 1000 gallons
- Length: 96 in.
- Width: 52 in.
- Diameter: 48 in.
- Depth: 48 in.

**Disposal Trench**
- No.: 1
- Width: 12
- Total Length: 90 ft.
- Total leaching area: 288 sq. ft.

**Seepage Pit**
- Diameter: 12
- Depth below inlet: 24 in.
- Total leaching area: 288 sq. ft.

**Percolation Test Results**
- Test Pit No. 1: 10 minutes per inch
  - Depth of Test Pit: 72 in.
  - Depth to ground water: 14 ft.
- Test Pit No. 2: 20 minutes per inch
  - Depth of Test Pit: 72 in.
  - Depth to ground water: 14 ft.

**Description of Soil**
- See Attached Sheets

**Nature of Repairs or Alterations**
- Answer when applicable

**Agreement:**
- Inspect. Dave Zanofski
  - The undersigned agrees to install the aforedescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 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.

**Application Approved By:**
- [Signature]
- Date: 8-30-87

**Application Disapproved for the following reasons:**
- [Signature]
- Date: [Date]

**Permit No.**
- 7133R
- Issued: [Date]

---

**Certificate of Compliance**

_This is to certify, that the Individual Sewage Disposal System constructed ( ) or Repaired ( ) by: _

<table>
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<th>Installer</th>
<th></th>
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<tbody>
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</table>

has been installed in accordance with the provisions of TITLE 5 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:**
- [Date]

**Inspector:**
- [Signature]
SCALE 1"=40'  EXISTING CONTOURS

#71336
8-30-87

POSS
NOTES:
1. SEPTIC TANK SHALL HAVE INLET AND OUTLET TEES (15.6: 8, 9 TITLE 5)
2. D-BOX SHALL HAVE 6" SUMP BELOW OUTLET INVERT (15.10: 4 TITLE 5)
3. ACCESS MANHOLE TO SEPTIC TANK SHALL BE TO FINISH GRADE
4. SEPTIC TANKS SHOULD BE INSPECTED ANNUALLY
5. ELEVATIONS ARE TO INERTS UNLESS NOTED (INSIDE BOTTOM OF PIPE)
6. D-BOX OUTLET PIPES SHALL BE LEVEL MIN. 2.0 FT. (SEC. 15.10: 3. TITLE 5)
7. END CAPS ON 'PIPES

PROFILE OF SYSTEM

SCALEHorz. 1" = 10'
Vert. 1" = 2'

Bottom of Pit Level

Leach Pit (1)
NOTES:
8. All loam, subsoil, and other impervious material shall be removed within 10 ft. of leaching facility, Sect 15.02:17, Title 5
9. Finish grade above & adjacent to system shall slope at least 2% to prevent accumulation of surface water.
10. Fill shall have percolation rate of 2.0 min./in. before and after placement:

CROSS SECTION OF SYSTEM
NO SCALE
Date: 8-17-88
Assessors' Map: 6B
Lot No.: 132
Address: 47 METACOMET STREET
Owner's Name: Wladyslaw Kosiorek
Telephone No.: ________________
Address: 500 FRONT ST, CHICOPEE
Occupant's Name: Sam
Lot Size: 2.13 AC (93,000 Sq Ft.)
Water Frontage (ft.): 150'+

Residency: ______ year-round  ✔ seasonal (if seasonal, estimate number of
weeks per year): 10
No. of Occupants: 2 - 8
Age of system (yrs.): 1942
No. of Total Rooms: 5
No. of Bedrooms: 2
No. of Bathrooms: 1

Appliances/Connections:
- No dishwasher
- No washing machine
- No dehumidifier
- No sump pump
- No garbage disposal
- No roof or pavement drains
- Other:

Basement/foundation type:
- ✔ brick or concrete block
- _____ dry masonry stone wall
- _____ poured concrete wall

Well type:
- ✔ dug well
- _____ lake
- _____ driven point
- _____ spring or cistern
- _____ drilled rock well
- Other:

Depth to well intake from surface (ft.): 10-20
Prior septic system inspection no. ________
Plan filed with Board of Health: ________
Under who's name is plan titled: __________

Sewage disposal system:

_____ cesspool: _____ concrete block _____ steel _____ other ________

_____ septic tank: _____ volume (gal.) _____ depth
_____ length
_____ width
_____ no. covers
_____ diam. (in.) covers
_____ tees
_____ baffles
_____ depth to top tank (ft.)

_____ distr. box: _____ pump or dosing siphon

_____ leaching pit: _____ no.
_____ diam (ft.)
_____ depth (ft.)
_____ cover
_____ depth to top below grd.

_____ leaching bed: _____ length (ft.)
_____ avg. depth to top (ft.)
_____ width
_____ pipe diam (in.)

_____ leaching trenches: _____ no.
_____ length (ft.)
_____ avg. depth to top (ft.)
_____ pipe diam (in.)

_____ reported perc. rate (min./in.)
_____ reported avg. depth to groundwater
_____ (ft. +) at leach. area

YES area remaining for system's replacement

NO grey water system

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: 

Date of last septic tank/cesspool pumping: NEVER
Firm who pumps system: 

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements

- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

to: __ lake shore __ vegetated wetland
     __ brook or stream __ other

Levels:

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<th>+</th>
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<th>-</th>
<th>Elev.</th>
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<td>1.48</td>
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</table>

BM: U.POLE #11/15
sill @ house
and @ tank
TP
lake elev.
TP
inv out

BM: CLOSEOUT

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE METACOMET

Land of Panda

Reserve Area would require a pump system

Artisan well

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
INVENTORY FIELD FORM

Date: 12-23-87    Inspector(s): JBG/JMI
Assessors' Map: 6A    Lot No.: 153
Address: 51 METACOMET STREET    Lake METACOMET
Owner's Name: RAYMOND COTE    Telephone No.: 323-
Address: 57 METACOMET STREET
Occupant's Name: RENE TURCOT (if different from above)
Lot Size: 0.73 AC (32,160 sq. ft.)  Water Frontage (ft.): 66

Residency: ☑ year-round   ☒ seasonal (if seasonal, estimate number of weeks per year):
No. of Occupants: 2    Age of system (yrs.): 1963
No. of Total Rooms: 3    No. of Bedrooms: 1    No. of Bathrooms: 1

Appliances/Connections: ☑ NO dishwasher    ☑ NO dehumidifier
☑ washing machine    ☐ NO sump pump
☑ NO garbage disposal    ☐ NO roof or pavement drains
☐ other:

Basement/foundation type:
☑ brick or concrete block    ☐ poured concrete floor
☐ dry masonry stone wall    ☐ concrete slab on grade
☐ poured concrete wall    ☐ piers or pilings

Well type:
☐ dug well    ☑ lake
☐ driven-point    ☐ spring or cistern
☑ drilled rock well    ☐ other:

Depth to well intake from surface (ft.): 50'-60'

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no.  
Plan filed with Board of Health:  
Under who's name is plan titled:  

Sewage disposal system:  

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Volume (gal.)</th>
<th>Depth</th>
<th>Width</th>
<th>No. Covers</th>
<th>Diam. (in.) Covers</th>
<th>Tees</th>
<th>Baffles</th>
<th>Depth to Top Tank (ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cesspool</td>
<td></td>
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<table>
<thead>
<tr>
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<th>No.</th>
<th>Depth (ft.)</th>
<th>Diam (ft.)</th>
<th>Cover</th>
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<tr>
<td></td>
<td>1</td>
<td>2.5</td>
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Leaching Pit 12" depth to top below grd.
Put in by Victor Patenaude

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<tr>
<th>Leaching Bed</th>
<th>Length (ft.)</th>
<th>Width</th>
<th>Avg. Depth to Top (ft.)</th>
<th>Pipe Diam (in.)</th>
<th>Pipe Type</th>
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<th>Leaching Trenches</th>
<th>No.</th>
<th>Length (ft.)</th>
<th>Depth (in.)</th>
<th>Width (in.)</th>
<th>Avg. Depth to Top (ft.)</th>
<th>Pipe Diam (in.)</th>
<th>Pipe Type</th>
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<thead>
<tr>
<th>Reported Perc. Rate (min./in.)</th>
<th>Reported Avg. Depth to Groundwater (ft. +) at Leach. Area</th>
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<th>Area Remaining for System's Replacement</th>
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<thead>
<tr>
<th>Grey Water System</th>
<th>Description</th>
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<tbody>
<tr>
<td>Washing Machine &amp; Ceiling Drain</td>
<td>Connected to Dry Well &amp; Basement Sink</td>
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</table>

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Subdrainage: Drain from lawn and utility (shared with 53 Metacomet), takes water underground to lake.

Comments on apparent problems: **NONE**

Date of last septic tank/cesspool pumping: 1986

Firm who pumps system:

Anticipated variances for system replacement:
- **✓** Own well setback
- **✓** Neighbor's well(s) setback
- **✓** Insufficient available leaching area
- **✓** Necessary work within 100-foot buffer zone
- **✓** Necessary work within 100-year flood plain
- **✓** Lake shore
- **✓** Vegetated wetland
- **✓** Brook or stream
- **✓** Other

Levels:

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<th>Levels</th>
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<th>Elev.</th>
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BM: UP=15
- GND AT L. PIT
- GND AT GREY WATER
- LAKE LEVEL
- SLL
- IN/V OUT: 4.4
- BASEMENT FLOOR 617
- RESERVE

BM: CLOSEOUT

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 12-23-87
Assessors' Map: 0 B
Lot No.: 154
Address: 53 METACOMET ST. LAKE METACOMET
Owner's Name: IDA NORMAN
Telephone No.: 323-7344

Inspector(s): James

Address: SAME
Occupant's Name: SAME
Lot Size: 67' x 470' = 31,490 sq. ft. Water Frontage (ft.): 67'

Residency: ✓ year-round ___ seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: 1
Age of system (yrs.): 1953
No. of Total Rooms: 4
No. of Bedrooms: 2
No. of Bathrooms: 1

Appliances/Connections: ✓ dishwasher
✓ washing machine
✓ sump pump
✓ garbage disposal
✓ roof or pavement drains
✓ other:

Basement/foundation type:
✓ brick or concrete block
___ dry masonry stone wall
___ poured concrete wall

Well type:
___ dug well
___ lake
___ driven point
___ spring or cistern
✓ drilled rock well
___ other:

Depth to well intake from surface (ft.): 55'

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ________  Under who's name is plan titled: ________________

Plan filed with Board of Health: ________

Sewage disposal system:

- cesspool: ______ concrete block ______ steel ______ other ______

- septic tank: ______ volume (gal.) ______ depth

- length ______ width

- no. covers ______ diam. (in.) covers ______ baffles

- tees ______ depth to top tank (ft.)

- distr. box ______ pump or dosing siphon

✓ leaching pit: 1 no. ______ diam (ft.)

- depth (ft.) ______ cover 2x2.5’ SQUARE

12” depth to top below grd.
INSTALLED BY MR. PATENAUBE

- leaching bed: ______ length (ft.) ______ width

- avg. depth to top (ft.) ______ pipe diam (in.) ______ pipe type

- leaching trenches: ______ no. ______ length (ft.)

- depth (in.) ______ width (in.)

- avg. depth to top (ft.) ______ pipe diam (in.) ______ pipe type

- reported perc. rate (min./in.) ______ reported avg. depth to groundwater (ft. +) at leach. area

✓ area remaining for system's replacement

✓ grey water system WASHING MACHINE AND KITCHEN SINK TO DRY WELL

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
✓ subdrainage DRAIN FROM LONG DRAINAGE TAKES GROUND 
WATER TO LAKE

Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: 1985
Firm who pumps system: HAYWARD

Anticipated variances for system replacement:

✓ Own well setback
✓ Neighbor's well(s) setback
✓ Property line(s) setback
NO Percolation rate-based design
NO Sideslope requirements
NO Insufficient available leaching area
NO Necessary work within 100-year flood plain
✓ Necessary work within 100-foot buffer zone
  to: ✓ lake shore ______ vegetated wetland
       (✓) brook or stream _____ other

Levels:

<table>
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CLOSEOUT 0.71 329.30 BM: 329.80
Inventory Field Form

Date: 1-7-88
Inspector(s): JBB/JMI/DAC
Assessors' Map: 6B Lot No.: 155+156
Address: 57 Metacomet St Lake Metacomet
Owner's Name: Raymond Cote Telephone No.: 323-9557
Address: SAME
Occupant's Name: SAME (if different from above)
Lot Size: 67' x 420' ± (28,140 sq. ft.) Water Frontage (ft.): 67'
Residency: ✓ year-round ___ seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: 1 Age of system (yrs.): 40
No. of Total Rooms: 3 No. of Bedrooms: 1 No. of Bathrooms: 1

Appliances/Connections: NO dishwasher NO dehumidifier
✓ washing machine NO sump pump
NO garbage disposal NO roof or pavement drains
___ other:

Basement/foundation type:
  ✓ 1/2 brick or concrete block
  ___ dry masonry stone wall
  ___ poured concrete wall
  1/2 poured concrete floor
  ___ concrete slab on grade
  ___ piers or pilings

Well type:
  SHARE WELL
  ___ dug well
  ___ driven point
  WITH IDA
  ✓ drilled rock well
  ___ lake
  ___ spring or cistern
  ___ other:

Depth to well intake from surface (ft.): 55'

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. 
Plan filed with Board of Health: 
Under who's name is plan titled:

Sewage disposal system: Separate Dry Well for washing machine

✓ cesspool: ✓ concrete block ___ steel ___ other ______

___ septic tank: ___ volume (gal.) ___ depth
___ length ___ width
___ no. covers ___ diam. (in.) covers ___ baffles
___ depth to top tank (ft.)

___ distr. box ___ pump or dosing siphon

___ leaching pit: ___ no. ___ diam (ft.)
___ depth (ft.) ___ cover
___ depth to top below grd.

___ leaching bed: ___ length (ft.) ___ width
___ avg. depth to top (ft.)
___ pipe diam (in.) ___ pipe type

___ leaching trenches: ___ no. ___ length (ft.)
___ depth (in.) ___ width (in.)
___ avg. depth to top (ft.)
___ pipe diam (in.) ___ pipe type

___ reported perc. rate (min./in.) ___ reported avg. depth to groundwater (ft. +) at leach. area

Yes area remaining for system's replacement

Yes grey water system
I.D. No. M5057

Comments on apparent problems: NO

Date of last septic tank/cesspool pumping: NEVER
Firm who pumps system: ____________________________

Anticipated variances for system replacement:

✓ Own well setback
✓ Neighbor's well(s) setback
✓ Property line(s) setback
NO Percolation rate-based design
NO Sideslope requirements
NO Insufficient available leaching area
NO Necessary work within 100-year flood plain
✓ Necessary work within 100-foot buffer zone
to: ✓ lake shore □ vegetated wetland
     □ brook or stream □ other ________________________

Levels:

+  HI  Elev.  BM: UP #13

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BM: 329.30

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LOCATION OF WELL AND SEPTIC SYSTEM ON THIS LOT IS UNKNOWN.

[Diagram showing land layout with annotations]

RESERVE AREA 100' FROM WELLS AND SEPTIC SYSTEMS AS FAR AS CAN BE DETERMINED.

LAKE METACOMET

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
<table>
<thead>
<tr>
<th><strong>Date:</strong></th>
<th>12-30-87</th>
<th><strong>Inspector(s):</strong></th>
<th>JJP/SMJ</th>
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<tbody>
<tr>
<td><strong>Assessors' Map:</strong></td>
<td>6B</td>
<td><strong>Lot No.:</strong></td>
<td>157</td>
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<tr>
<td><strong>Address:</strong></td>
<td>61 METACOMET LAKE METACOMET</td>
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<tr>
<td><strong>Owner's Name:</strong></td>
<td>JULIA FREEDGOOD</td>
<td><strong>Telephone No.:</strong></td>
<td>323-5981</td>
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<tr>
<td><strong>Address:</strong></td>
<td>SAME</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Occupant's Name:</strong></td>
<td>SAME</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Lot Size:</strong></td>
<td>66 X 430 ft (3,380 sq ft)</td>
<td><strong>Water Frontage (ft.):</strong></td>
<td>66'</td>
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<tr>
<td><strong>Residency:</strong></td>
<td>✓ year-round</td>
<td><strong>seasonal (if seasonal, estimate number of weeks per year):</strong></td>
<td></td>
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<tr>
<td><strong>No. of Occupants:</strong></td>
<td>2</td>
<td><strong>Age of system (yrs.):</strong></td>
<td>HOUSE BUILT EARLY 50'S - SYSTEM UPGRADED LATER 50'S TO EARLY 60'S</td>
</tr>
<tr>
<td><strong>No. of Total Rooms:</strong></td>
<td>4</td>
<td><strong>No. of Bedrooms:</strong></td>
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<tr>
<td><strong>No. of Bathrooms:</strong></td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Appliances/Connections:</strong></td>
<td>✓ washer</td>
<td>✓ dryer</td>
<td>✓ dishwasher</td>
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<tr>
<td></td>
<td>✓ garbage disposal</td>
<td>✓ sump pump</td>
<td>NO roof or pavement drains</td>
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<tr>
<td><strong>Basement/foundation type:</strong></td>
<td>✓ brick or concrete block</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>✓ dry masonry stone wall</td>
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<td></td>
<td>✓ poured concrete wall</td>
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<tr>
<td><strong>Well type:</strong></td>
<td>✓ dug well</td>
<td>✓ lake</td>
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<tr>
<td></td>
<td>✓ driven point</td>
<td>✓ spring or cistern</td>
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<td></td>
<td>✓ drilled rock well</td>
<td>✓ other:</td>
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<tr>
<td><strong>Depth to well intake from surface (ft.):</strong></td>
<td>20-25'</td>
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M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ________ Under who's name is plan ________
Plan filed with Board of Health: ________ titled: ____________________________

Sewage disposal system:

☐ cesspool:  ____ concrete block  ____ steel  ____ other ________

√ septic tank: 600 volume (gal.)  ____ depth
_____ length
_____ width
_____ no. covers  ____ diam. (in.) covers
_____ tees  ____ baffles
_____ depth to top tank (ft.)

_____ distr. box  ____ pump or dosing siphon

_____ leaching pit:  ____ no.  ____ diam (ft.)
_____ depth (ft.)  ____ cover
_____ depth to top below grd.

√ leaching bed:  ____ length (ft.)  ____ width
_____ avg. depth to top (ft.)
_____ pipe diam (in.)  ____ pipe type

_____ leaching trenches:  ____ no.  ____ length (ft.)
_____ depth (in.)  ____ width (in.)
_____ avg. depth to top (ft.)
_____ pipe diam (in.)  ____ pipe type

_____ reported perc. rate (min./in.)  ____ reported avg. depth to groundwater
   (ft. +) at leach. area

√ area remaining for system's replacement

_____ grey water system

_________________________________________________________________________
I.D. No. P-5261

subdrainage  NONE

Comments on apparent problems:  NONE

Date of last septic tank/cesspool pumping:  MAY, 1985

Firm who pumps system:  BLANCHARD SEPTIC TANKS, INC.
    9 SCANTIC RD, MANDEV

Anticipated variances for system replacement:  56-8026

- [ ] Own well setback
- [ ] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone

to:  [x] lake shore  --- vegetated wetland
     --- brook or stream  --- other

Levels:

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BM: UP #12 ALONG METACOMET SHORE
SUL
INNERT OUT 2.0
BASEMENT FLR. 6.6
GND @ TANK
GND @ LEACH
GND @ RESERVE
lake level

BM: 329.74

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS

M3A-6
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: JULY 27, 1987
Assessor's Map: 68
Lot No.: 161
Address: 73 METACOMET ST  LAKE METACOMET

Owner's Name: BRUCE MAURER BOURGEOIS
Telephone No.: 323-7066

Address: 73 METACOMET ST

Occupant's Name: SAME (if different from above)
Lot Size: 1.4 ACRES (61,600 sq ft) ± Water Frontage (ft.): 140' ±

Residency: ✓ year-round  seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: 3  Age of system (yrs.):
No. of Total Rooms: 6  No. of Bedrooms: 3  No. of Bathrooms: 1

Appliances/Connections: no dishwasher  no dehumidifier
✓ washing machine  no sump pump
no garbage disposal  no roof or pavement drains
other:

Basement/foundation type:
✓ 1/2 brick or concrete block 1/2
dry masonry stone wall
poured concrete wall

Well type:
✓ dug well
drilled point
drilled rock well

Depth to well intake from surface (ft.): 20'

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. __________
Plan filed with Board of Health: __________
Under who's name is plan titled: __________

Sewage disposal system: __________

- cesspool: __________
- concrete block: __________
- steel: __________
- other: __________

- septic tank: __________
  - volume (gal.): __________
  - length: __________
  - no. covers: __________
  - tees: __________
  - depth to top tank (ft.): __________

- distr. box: __________
- pump or dosing siphon: __________

- leaching pit: __________
  - no.: __________
  - depth (ft.): __________
  - depth to top below grd.: __________

- leaching bed: __________
  - length (ft.): __________
  - avg. depth to top (ft.): __________
  - pipe diam (in.): __________

- leaching trenches: __________
  - no.: __________
  - depth (in.): __________
  - width (in.): __________
  - avg. depth to top (ft.): __________
  - pipe diam (in.): __________

- reported perc. rate (min./in.): __________
- reported avg. depth to groundwater (ft. +) at leach. area: __________

- area remaining for system's replacement: __________
- grey water system: __________

HEINR KOLOFIS
CHICOPEE, MASSACHUSETTS REALTY

ALMER HUNTLER, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
subdrainage

Comments on apparent problems: None

Date of last septic tank/cesspool pumping: June 1987

Firm who pumps system: 

Anticipated variances for system replacement: Pump system nec.

☑ Own well setback
☑ Neighbor's well(s) setback
☑ Property line(s) setback
☒ Percolation rate-based design
☒ Sideslope requirements
☒ Insufficient available leaching area
☒ Necessary work within 100-year flood plain
☒ Necessary work within 100-foot buffer zone

to: ___ lake shore ___ vegetated wetland
     ___ brook or stream ___ other

Levels:

+      HI            Elev.
   3.00  329.89       326.89  BM: ___ Pole #09/9

6.19  323.70
6.47  323.42
3.05.78
4.12  325.77
6.00  323.00

3.00  327.36  BM: Closeout

3.00  326.89

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
RECOMMENDED SEPTIC SYSTEM ALTERNATIVE

ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: DEC. 8, 1987
Assessors' Map: LD
Lot No.: 30
Address: 91 METACOMET ST. LAKE METACOMET
Owner's Name: GORDON CHEN
Telephone No.: 549-1551
Address: 10 HILLS RD. AMHERST
Occupant's Name: COURAD KOONS
Lot Size: 36 SAC. (72,000 sq. ft.)*
Water Frontage (ft.): 180'

Residency: ✓ year-round
No. of Occupants: 4
No. of Total Rooms: 7
No. of Bedrooms: 4
No. of Bathrooms: 1

Appliances/Connections: NO dishwasher
NO dehumidifier
NO washing machine
NO sump pump
NO garbage disposal
NO roof or pavement drains
other: 

Basement/foundation type:
brick or concrete block ✓ poured concrete floor
dry masonry stone wall ✓ concrete slab on grade
✓ poured concrete wall piers or pilings

Well type:
✓ dug well Supplies lake
3 Houses
✓ driven point spring or cistern
✓ drilled rock well other: 

Depth to well intake from surface (ft.): 5

NOTE: AN INTERVIEW WITH THE TENANT LISTED BELOW WAS ACCOMPLISHED BEFORE MR. CHEN REFUSED US FURTHER INTERVIEWS.

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no.  
Plan filed with Board of Health:  
Under who's name is plan titled:  

Sewage disposal system:

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<th>Details</th>
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<td>concrete block steel</td>
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<td>septic tank</td>
<td>900 volume (gal.)</td>
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<td>length</td>
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<td>no. covers</td>
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<td>diam. (in.) covers</td>
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<td>baffles</td>
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<td>distr. box</td>
<td>pump or dosing siphon</td>
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<td>leaching pit</td>
<td>2 no.</td>
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<td>depth (ft.)</td>
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<td>depth to top below grd.</td>
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<tr>
<td>leaching bed</td>
<td>length (ft.)</td>
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<tr>
<td>avg. depth to top (ft.)</td>
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<tr>
<td>pipe diam (in.)</td>
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<td>pipe type</td>
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<td>leaching trenches</td>
<td>no.</td>
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<td>depth (in.)</td>
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<tr>
<td>avg. depth to top (ft.)</td>
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<td>pipe diam (in.)</td>
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<tr>
<td>pipe type</td>
<td></td>
</tr>
<tr>
<td>reported perc. rate (min./in.)</td>
<td>reported avg. depth to groundwater (ft.+) at leach. area</td>
</tr>
</tbody>
</table>

area remaining for system's replacement

Grey water system

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
Comments on apparent problems: WHEN TANK IS FULL IN PERIODS OF HEAVY RAINS THE SYSTEM BUCKS UP.

Date of last septic tank/cesspool pumping: SPRING 1987
Firm who pumps system: ____________________________

Anticipated variances for system replacement:

- [ ] Own well setback
- [ ] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone
to: [ ] lake shore [ ] vegetated wetland
[ ] brook or stream [ ] other __________________

Levels:

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<th>Elev.</th>
<th>BM:</th>
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</table>

M3A-6 ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE METACOMET

#81 METACOMET ST.  
WELL IN CELLAR

#83 METACOMET ST.

EXISTING DRY WELL

NEW 500 GAL. LEACH PITS (1972).

21'

55'

60'
RECOMMENDED SEPTIC SYSTEM ALTERNATIVE

INVENTORY FIELD FORM

Date: FEB. 4, 1988
Assessors' Map: 6D
Address: 83 METACOMET ST.
Owner's Name: GORDON CHEN
Address: 10 HILLS RD., AMHERST
Occupant's Name: (if different from above)
Lot Size: Water Frontage (ft.):
Residency: ____ year-round  ____ seasonal (if seasonal, estimate number of weeks per year):
No. of Occupants:  ____ Age of system (yrs.): SEE # 81 METACOMET
No. of Total Rooms:  ____ No. of Bedrooms:  ____ No. of Bathrooms:

Appliances/Connections: 
- dishwasher
- washing machine
- garbage disposal
- dehumidifier
- sump pump
- roof or pavement drains
- other:

Basement/foundation type:
- brick or concrete block
- dry masonry stone wall
- poured concrete wall
- poured concrete floor
- concrete slab on grade
- piers or pilings

Well type:
- dug well (SUPPLIES 3 HOUSES)
- driven point
- drilled rock well
- lake
- spring or cistern
- other:

Depth to well intake from surface (ft.):

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ________

Plan filed with Board of Health: ________

Under who's name is plan titled: ________

Sewage disposal system:

- cesspool: ______ concrete block ______ steel ______ other ______

- septic tank: ______ volume (gal.) ______ depth

- length ______ width

SHARED WITH ______ no. covers ______ diam. (in.) covers

81 METACOMET ______ tees ______ baffles

- depth to top tank (ft.)

- distr. box ______ pump or dosing siphon

- leaching pit: ______ no. ______ diam (ft.)

- depth (ft.) ______ cover

- depth to top below grd.

- leaching bed: ______ length (ft.) ______ width

- avg. depth to top (ft.) ______ pipe diam (in.) ______ pipe type

- leaching trenches: ______ no. ______ length (ft.)

- depth (in.) ______ width (in.)

- avg. depth to top (ft.)

- pipe diam (in.) ______ pipe type

- reported perc. rate (min./in.) ______ reported avg. depth to groundwater

- (ft. +) at leach. area

- area remaining for system's replacement

- grey water system

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ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems:

Date of last septic tank/cesspool pumping:

Firm who pumps system:

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

To: _____ lake shore  _____ vegetated wetland  _____ brook or stream  _____ other

Levels:

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<th>BM</th>
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M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

SEE #61 METACOMET ST.
RECOMMENDED SEPTIC SYSTEM ALTERNATIVE
NO. 4

ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY
INVENTORY FIELD FORM

Date: FEB. 4, 1988
Inspector(s): JMT/JBB
Assessors' Map: 6D
Lot No.: 30
Address: 85 METACOMET ST.

Owner's Name: GORDON CHEN
Address: 10 HILLS RD., AMHERST

Occupant's Name: (if different from above)
Lot Size: 
Water Frontage (ft.):

Residency: __ year-round ___ seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: _____ Age of system (yrs.): NEW PUMP & LEACH PIT, 1980
No. of Total Rooms: _____ No. of Bedrooms: 2 No. of Bathrooms: 

Appliances/Connections:
- dishwasher
- dehumidifier
- washing machine
- sump pump
- garbage disposal
- roof or pavement drains
- other:

Basement/foundation type:
- brick or concrete block
- poured concrete floor
- dry masonry stone wall
- concrete slab on grade
- poured concrete wall
- piers or pilings

Well type:
- dug well
- lake
- driven point
- spring or cistern
- drilled rock well
- other:

Depth to well intake from surface (ft.): 

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ______ Under who's name is plan titled: __________

Plan filed with Board of Health: ______

Sewage disposal system:

____ cesspool: ____ concrete block ____ steel ____ other ________

✓ septic tank: ____ volume (gal.) ____ depth
____ length ____ width
____ no. covers ____ diam. (in.) covers
____ tees ____ baffles
____ depth to top tank (ft.)

____ distr. box ✓ pump or dosing siphon

✓ leaching pit: ____ no. 1000 GAL. ____ diam (ft.)
____ depth (ft.) ____ cover
____ depth to top below grd.

____ leaching bed: ____ length (ft.) ____ width
____ avg. depth to top (ft.)
____ pipe diam (in.) ____ pipe type

____ leaching trenches: ____ no. ____ length (ft.)
____ depth (in.) ____ width (in.)
____ avg. depth to top (ft.)
____ pipe diam (in.) ____ pipe type

____ reported perc. rate (min./in.) < 1 reported avg. depth to groundwater (ft. +) at leach. area

✓ area remaining for system's replacement

____ grey water system ____________________________
subdrainage

Comments on apparent problems:

Date of last septic tank/cesspool pumping: ______________________________
Firm who pumps system: ____________________________________________

Anticipated variances for system replacement:

___ Own well setback
___ Neighbor's well(s) setback
___ Property line(s) setback
___ Percolation rate-based design
___ Sideslope requirements
___ Insufficient available leaching area
___ Necessary work within 100-year flood plain
___ Necessary work within 100-foot buffer zone
to: ___ lake shore          ___ vegetated wetland
     ___ brook or stream      ___ other _________________________

Levels:

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M3A-6  ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
### Application for Disposal Works Construction Permit

**System at:**

- **Address:** 85 Meta corner
- **Installer:** Gordon, Corn

#### Type of Building

- **Dwelling:** No. of Bedrooms: 2
- **Other:** Type of Building: No. of persons: 3

#### Design Flow

- **Gallons per person per day:** 220

#### Septic Tank

- Liquid capacity: 1000 gallons
- Length: Width: Diameter: Depth

#### Disposal Trench

- No. of: Width: Total Length: Total leaching area: sq ft

#### Seepage Pit No. 1

- Diameter: Depth below inlet: sq ft

#### Other Distribution box

- Diameter: Dosing tank

#### Percolation Test Results

- **Test Pit No. 1:** Depth: Test Pit: 1.5 minutes per inch
- **Test Pit No. 2:** Depth: Test Pit: 1.5 minutes per inch

#### Description of Soil

- **Type:** Med. Com. Sandy Gravel

#### Nature of Repairs or Alterations

- Answer when applicable: [yes] / [no]

#### Agreement

- The undersigned agrees to install the aforementioned individual Sewage Disposal System in accordance with the provisions of TITLE 5 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.

#### Application Approved By

- **Signed:** Karl, Corn
- **Date:** 10/24/80

#### Application Disapproved for the following reasons:

---

### Certificate of Compliance

**THIS IS TO CERTIFY,** That the Individual Sewage Disposal System constructed ( ) or Repaired ( )

- **Installers Name:** Karl, Corn
- **Address:** 85 Meta corner
- **Certificate No.:** 3224

has been installed in accordance with the provisions of TITLE 5 of the State Sanitary Code as described in the application for Disposal Works Construction Permit No. dated 10/24/80.

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

- **Date:** 10/24/80
- **Inspector:** [Signature]

---

**THE COMMONWEALTH OF MASSACHUSETTS**

**BOARD OF HEALTH**

**Town of Belcher Town**

**Certificate of Compliance**

**DATE:** 10/24/80

**Inspector:** [Signature]
# Application for Disposal Works Construction Permit

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

**Address**

**Location - Address**

**Type of Building**

- Dwelling — No. of Bedrooms: 2
- Expansion Attic: ( )
- Garbage Grinder: ( )
- Other — Type of Building: ( )
- No. of persons: 2
- Showers: ( )
- Cafeteria: ( )
- Other fixtures: ( )

**Design Flow**

- Total daily flow: 20.0 gallons per person per day.
- Total daily flow: 20.0 gallons.

**Septic Tank**

- Liquid capacity: 900 gallons
- Length: 8 ft
- Width: 4 ft
- Diameter: 7 ft
- Depth: 24 in

**Disposal Trench**

- No.: 2
- Width: 7 ft
- Total Length: 24 ft
- Total leaching area: 75 sq. ft.

**Seepage Pit**

- No.: 2
- Diameter: 4 ft
- Depth below inlet: 24 in
- Total leaching area: 75 sq. ft.

**Percolation Test Results**

- Test Pit No. 1: 1 inch per minute, Depth of Test Pit: 24 in, Depth to ground water: 24 in
- Test Pit No. 2: 1 inch per minute, Depth of Test Pit: 24 in, Depth to ground water: 24 in

**Description of Soil**

- GRAVES

**Nature of Repairs or Alterations**

- Answer when applicable: 2, 5, 9, 6, 3, 0, 0, SEALER

**Agreement**

The undersigned agrees to install the aforesaid 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**

**Application Approved By**

**Application Disapproved for the following reasons**

**Permit No.**

**Issued**
EXISTING 900 GALLON TANK

EXISTING DRYWELL

2 NEW 500 GALLON SEEPAGE TANKS
INVENTORY FIELD FORM

Date: 1-6-88  Inspector(s): ARF & ALM1
Assessors' Map:  Lot No.: 29
Address: 89 METACOMET ST  LAKE METACOMET
Owner's Name: JW. TANG  Telephone No.: 547-0140
Address: 3 CAMPBELL CT, AMHERST
Occupant's Name: KENNETH POOLE & TRACEY (if different from above)
Lot Size: 1.61 AC. (70,400 SQ. FT.)  Water Frontage (ft.): 160

Residency: √ year-round  __ seasonal (if seasonal, estimate number of weeks per year): __________

No. of Occupants: 2  Age of system (yrs.): 1965 SEPTIC TANK
No. of Total Rooms: 5  No. of Bedrooms: 2  No. of Bathrooms: 1

Appliances/Connections:  NO dishwasher  NO dehumidifier
NO washing machine  NO sump pump
NO garbage disposal  NO roof or pavement drains
NO other: __________

Basement/foundation type:

√ brick or concrete block  ____ poured concrete floor
____ dry masonry stone wall  PART  concrete slab on grade
____ poured concrete wall  CRAWL SPACE  piers or pilings

Well type:

√ dug well  ____ lake
____ driven point  ____ spring or cistern
____ drilled rock well  ____ other: __________

Depth to well intake from surface (ft.): 8-12'
Prior septic system inspection no. _______ Under who's name is plan
Plan filed with Board of Health: _______ titled: _______________

Sewage disposal system:

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<thead>
<tr>
<th>Cesspool:</th>
<th>Concrete block</th>
<th>Steel</th>
<th>Other</th>
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<tr>
<td>☑ Septic tank:</td>
<td>800 volume (gal.)</td>
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<td>length</td>
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<td>1 no. covers</td>
<td>18-12&quot; diam. (in.) covers</td>
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<td>2' depth to top tank (ft.)</td>
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<td>Cesspool:</td>
<td>Concrete block</td>
<td>Steel</td>
<td>Other</td>
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<td>Dist. box:</td>
<td>Pump or dosing siphon</td>
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<td>Leaching pit:</td>
<td>No.</td>
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<td>Depth (ft.)</td>
<td>Cover</td>
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<td>Depth to top below grd.</td>
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<td>Leaching bed:</td>
<td>Length (ft.)</td>
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<td>Pipe diam (in.)</td>
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<td>Leaching trenches:</td>
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<td>Length (ft.)</td>
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<td>Pipe diam (in.)</td>
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<td>Reported perc. rate (min./in.)</td>
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<td>Reported avg. depth to groundwater (ft. +) at leach. area</td>
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<td>Area remaining for system's replacement</td>
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Grey water system ________
**Comments on apparent problems:** None.

**Date of last septic tank/cesspool pumping:** 2 yrs ago.

**Firm who pumps system:** Hayward.

**Anticipated variances for system replacement:**

- [ ] Own well setback
- [ ] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone

**Levels:**

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ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

Both abutters' wells are 100' away from S. system.

3 CAR GARAGE

Reserve area 100' from well

Approximate area of leach field

Don't know if septic box is present

S. Tank

Post 0

Porch

WELL

HOUSE

LAKE METACOMET

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
**INVENTORY FIELD FORM**

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<th>JBB/JMI</th>
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<td>Assessors' Map:</td>
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<td>Address:</td>
<td>93 METACOMET ST.</td>
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<td>LAKE METACOMET</td>
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<td>Owner's Name:</td>
<td>GERALD VIENS</td>
<td>Telephone No.:</td>
<td>323-7226</td>
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<tr>
<td>Address:</td>
<td>103 METACOMET ST.</td>
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<td>Occupant's Name:</td>
<td>DIANNE TETRAULT</td>
<td>(if different from above)</td>
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<td>Lot Size:</td>
<td>1.47 AC. (64,400 Sq. Ft.):</td>
<td>Water Frontage (ft.):</td>
<td>140'</td>
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- **Residency:** √ year-round  ___ seasonal (if seasonal, estimate number of weeks per year): __________
- **No. of Occupants:** 7  **Age of system (yrs.):** __________
- **No. of Total Rooms:** 5  **No. of Bedrooms:** 3  **No. of Bathrooms:** 1

- **Appliances/Connections:**
  - NO dishwasher
  - √ washing machine
  - NO dehumidifier
  - NO sump pump
  - NO garbage disposal
  - NO roof or pavement drains
  - NO other: __________________

- **Basement/foundation type:**
  - [ ] brick or concrete block
  - [ ] dry masonry stone wall
  - [ ] poured concrete wall
  - [ ] poured concrete floor
  - [ ] concrete slab on grade
  - [ ] piers or pilings

- **Well type:**
  - √ dug well
  - ____ driven point
  - ____ lake
  - ____ spring or cistern
  - ____ drilled rock well
  - ____ other: __________________

- **Depth to well intake from surface (ft.):** 15'-20'

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. Under who's name is plan filed with Board of Health: titled:

Sewage disposal system:

- cesspool: concrete block steel other
- septic tank: 1000 volume (gal.) depth
  length
  width
  3 no. covers 18" SQUARE diam. (in.) covers
tees
  1½ depth to top tank (ft.) baffles
- distr. box pump or dosing siphon
- leaching pit: no. diam (ft.)
  depth (ft.)
  cover
  depth to top below grd.
- leaching bed: 40' length (ft.) 2 pipes width
  2½ avg. depth to top (ft.)
  pipe diam (in.) pipe type
- leaching trenches: no. length (ft.)
  depth (in.) width (in.)
  avg. depth to top (ft.)
  pipe diam (in.) pipe type
- reported perc. rate (min./in.) reported avg. depth to groundwater (ft.) at leach. area

- area remaining for system's replacement

- grey water system NONE
subdrainage: NONE

Comments on apparent problems: NONE.

Date of last septic tank/cesspool pumping: 4 YRS.
Firm who pumps system: ?

Anticipated variances for system replacement:

- Own well setback [✓]
- Neighbor's well(s) setback [NO]
- Property line(s) setback [NO]
- Percolation rate-based design [NO]
- Sideslope requirements [NO]
- Insufficient available leaching area [NO]
- Necessary work within 100-year flood plain [NO]
- Necessary work within 100-foot buffer zone [✓]

to: ✓ lake shore
     ____ vegetated wetland
     ____ brook or stream
     ____ other ________________

Levels:

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BM: 0.P. * 5/5
Lot Sketch:

WELL IS 100' FROM VIEW'S S. SYSTEM

RESERVE AREA 100' FROM WELL AND SHORE

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
I.D. No. MS103/60-27

**RECOMMENDED SEPTIC SYSTEM ALTERNATIVE NO. 5**

**ARCADIA AND METACOMET LAKES**

**BELCHERTOWN, MA**

**SEPTIC SYSTEMS MANAGEMENT STUDY**

**INVENTORY FIELD FORM**

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
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<tbody>
<tr>
<td>Date</td>
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<td>JMI/JBG</td>
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<td>Assessor's Map</td>
<td>6D</td>
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<tr>
<td>Lot No.</td>
<td>27</td>
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<tr>
<td>Address</td>
<td>103 METACOMET ST LAKE METACOMET</td>
</tr>
<tr>
<td>Owner's Name</td>
<td>GERALD VIEHS</td>
</tr>
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<td>Telephone No.</td>
<td>323-7226</td>
</tr>
<tr>
<td>Address</td>
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<td>Occupant's Name</td>
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<tr>
<td>Lot Size</td>
<td>1.46 AC. (63,700 sq. ft.)</td>
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<td>NO roof or pavement drains</td>
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<td>poured concrete wall</td>
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<td></td>
<td>driven point</td>
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<td>✓ drilled rock well</td>
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<td>lake</td>
</tr>
<tr>
<td></td>
<td>spring or cistern</td>
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<td>other:</td>
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<tr>
<td>Depth to well intake from surface (ft.)</td>
<td>100'</td>
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</table>

**ALMER HUNTLEY, JR., & ASSOCIATES, INC.**

**SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS**
Prior septic system inspection no. ______  Under who's name is plan ______
Plan filed with Board of Health: ______  titled: ______

Sewage disposal system:

_____ cesspool: ______ concrete block  ______ steel  ______ other ______

√ septic tank: 1000 volume (gal.)  ______ depth ______

8' length 5' width

3 no. covers 18" square diam. (in.) covers 1 tees ______

1' depth to top tank (ft.) ______

_____ distr. box ______ pump or dosing siphon

√ leaching pit: 1 no.  ______ diam (ft.) ______

depth (ft.)  ______ cover ______

_____ depth to top below grd. ______

NOTE: 2-20' LEACH LINES ACCORDING TO G. VIENS. 1-1000 GAL. LEACH PIT ACCORDING TO BOARD OF HEALTH RECORDS.

_____ leaching bed: ______ length (ft.)  ______ width ______

____ avg. depth to top (ft.) ______

____ pipe diam (in.) ______ pipe type ______

____ leaching trenches: ______ no. ______ length (ft.) ______

depth (in.)  ______ width (in.) ______

____ avg. depth to top (ft.) ______

____ pipe diam (in.) ______ pipe type ______

_____ reported perc. rate (min./in.) ______ reported avg. depth to groundwater (ft.) at leach. area ______

√ area remaining for system's replacement ______

_____ grey water system NONE
Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: 2 YRS
Firm who pumps system: ?

Anticipated variances for system replacement:

- [ ] Own well setback
- [x] Neighbor's well(s) setback
- [x] Property line(s) setback
- [x] Percolation rate-based design
- [x] Sideslope requirements
- [x] Insufficient available leaching area
- [x] Necessary work within 100-year flood plain
- [x] Necessary work within 100-foot buffer zone

to: ______ lake shore ______ vegetated wetland
    ______ brook or stream ______ other

Levels:

<table>
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<th>Elev.</th>
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<td>6.91</td>
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</table>

BM: U.P. 4' 3/3

SEPTIC TANK GUB SHOT
GNO @ LEACH PIT
BASEMENT FLR. 6.2' FROM WINDOW
INVERT OUT 6.6' TO SILL
SILL
RESERVE AREA
LAKE LEVEL

BM: 317.41

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

- 1000 gal. S. TANK
- 1000 gal. Leach. Pit
- Reserve area 100' from well
- No other wells observed within 100' of Septic system

WELL IS 100' TO MR. VIENS S. SYSTEM
Application for Disposal Works Construction Permit

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

183 Metacomet Street, Belchertown

Jerry Viens

Location Address

Type of Building

Dwelling — No. of Bedrooms

Expansion Attic ( ) Garbage Grinder ( )

Other — Type of Building Dwelling No. of persons

Showers ( ) Cafeteria ( )

Other fixtures

Design Flow: 50 gallons per person per day. Total daily flow: 800 gallons.

Septic Tank — Liquid capacity 1,000 gallons Length: Width: Diameter: Depth:

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

Seepage Pit No. Diameter Depth below inlet Total leaching area sq. ft.

Other Distribution box ( ) Dosing tank ( )

Percolation Test Results Performed by:

Test Pit No. 1 minutes per inch Depth of Test Pit: 7.5 ft. Depth to ground water: 9 ft.

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

Description of Soil: 0-6" Top soil, 6"-108" Loose Sand

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:

Application Approved By:

James A. Benshim

7-10-72

Application Disapproved for the following reasons:

Permit No. 72-24 Issued

Date
Lake Metacomet

House

1000 gal TANK

1000 gal Pit
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 1-6-53
Assessors' Map: 6B
Lot No.: 159
Address: 67 Metacomet St
Owner's Name: Gerard MacNeil
Telephone No.: 223-4388 home
533-9593 work

Occupant's Name: Same
Lot Size: 87' x 512' (44,544 sq. ft.) Water Frontage (ft.): 87'
Residency: ✓ year-round
No. of Occupants: 2
Age of system (yrs.): 1974
No. of Total Rooms: 4
No. of Bedrooms: 2
No. of Bathrooms: 2

Appliances/Connections:
✓ dishwasher
✓ washing machine
✓ garbage disposal

Basement/foundation type:
✓ 1/2 brick or concrete block
✓ poured concrete floor

Well type:
✓ dug well
✓ driven point
✓ drilled rock well

Depth to well intake from surface (ft.): 155'

RECOMMENDED SEPTIC SYSTEM ALTERNATIVE

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. || Under who's name is plan titled: 
Plan filed with Board of Health: ✓

**Sewage disposal system:**

- cesspool: [ ] concrete block [ ] steel [ ] other [ ]
- septic tank: ✓
  - 1000 volume (gal.)
  - 8' length
  - depth

- other 1000 (APARTMENT)
  - 1 no. covers
  - 18 diam. (in.) covers square
  - 6' depth to top tank (ft.)

- distr. box [ ] pump or dosing siphon

- leaching pit: ✓
  - 1000 GAL.
  - 5' depth (ft.)
  - 18' depth to top below grd.

- leaching bed: [ ] length (ft.)
  - avg. depth to top (ft.)

- leaching trenches: [ ]
  - no.
  - depth (in.)
  - avg. depth to top (ft.)

- reported perc. rate (min./in.)
- reported avg. depth to groundwater (ft. +) at leach. area

- area remaining for system's replacement

No grey water system

---

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: People across lake are doing nothing.

Date of last septic tank/cesspool pumping: 2 yrs
Firm who pumps system: Harvard

Anticipated variances for system replacement:

- ✓ Own well setback
- ✓ Neighbor's well(s) setback
- ✓ Percolation rate-based design
- ✓ Sideslope requirements
- ✓ Insufficient available leaching area
- ✓ Necessary work within 100-year flood plain
- ✓ Necessary work within 100-foot buffer zone

To: ✓ lake shore

Vegetated wetland

Brook or stream

Other

Levels:

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<th>HI</th>
<th>Elev.</th>
<th>BM:</th>
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M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 12/8/87
Inspector(s): JME/JBB
Assessors' Map: 6B
Lot No.: 159
Address: 67 METACOMET (APARTMENT)
Owner's Name: GERALD MAINVILLE—Telephone No.: 323-4388
Address: 67 METACOMET (OWN CHARLIE'S SEAFOOD HOLTFOKE)
(MONDAY, TUESDAY, WEDNESDAY - CLOSED)
Occupant's Name: STEWART WARREN (if different from above)
Lot Size: ________________ Water Frontage (ft.): ________________
Residency: ___ year-round ___ seasonal (if seasonal, estimate number of
weeks per year): ____________________
No. of Occupants: ___ Age of system (yrs.): ________________
No. of Total Rooms: ___ No. of Bedrooms: ___ No. of Bathrooms: ___
Appliances/Connections: ___ dishwasher ___ dehumidifier
___ washing machine ___ sump pump
___ garbage disposal ___ roof or pavement drains
___ other: ____________________

Basement/foundation type:

✓ brick or concrete block
___ dry masonry stone wall
___ poured concrete wall
___ poured concrete floor
___ concrete slab on grade
___ piers or pilings

Well type:

PED BY WELL @ MAIN HOUSE

___ dug well ___ lake
___ driven point ___ spring or cistern
___ drilled rock well ___ other: ____________________

Depth to well intake from surface (ft.): ________________
Prior septic system inspection no. _______ Under who's name is plan
Plan filed with Board of Health: _______ titled: ____________________

Sewage disposal system:

<p>| | | |</p>
<table>
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</thead>
<tbody>
<tr>
<td>cesspool:</td>
<td>concrete block</td>
<td>steel</td>
</tr>
<tr>
<td></td>
<td>other</td>
<td></td>
</tr>
</tbody>
</table>

√ septic tank: 1000 volume (gal.) depth
√ 8 length
√ 1 no. covers
√ 12 diam. (in.) covers
tees
√ 4 depth to top tank (ft.)

√ distr. box

√ pump or dosing siphon

√ leaching pit: 1 no. 500 GALLON
√ 2½ depth (ft.) cover
√ 4½ depth to top below grd.

√ leaching bed: length (ft.) width
√ avg. depth to top (ft.)
√ pipe diam (in.) pipe type

√ leaching trenches: no. length (ft.)
√ depth (in.) width (in.)
√ 3 avg. depth to top (ft.)
√ pipe diam (in.) pipe type

√ reported perc. rate (min./in.) reported avg. depth to groundwater
√ (ft. +) at leach. area

√ area remaining for system's replacement

√ grey water system

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping:

Firm who pumps system:

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

Levels: RECORDED ON ATTACHED FROM + REPEATED FOR CONVENIENCE

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<td>GND @ PIT</td>
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ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
The Commonwealth of Massachusetts
Board of Health

Application for Disposal Works Construction Permit

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

<table>
<thead>
<tr>
<th>Location - Address</th>
<th>Address</th>
</tr>
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<tbody>
<tr>
<td>METACOMET ST</td>
<td>MAIN COTTAGE #1</td>
</tr>
<tr>
<td>S. MAIN VILLAGE</td>
<td>NEAR CAMP</td>
</tr>
<tr>
<td>H. THROUGHAM</td>
<td>Address</td>
</tr>
</tbody>
</table>

Type of Building:
- Dwelling — No. of Bedrooms __________ Expansion Attic ( )
- Other — Type of Building __________ No. of Persons __________ Showers ( )
- Garbage Grinder ( )
- Cafeteria ( )

Other fixtures:

Design Flow: __________ gallons per person per day. Total daily flow __________ gallons.

Septic Tank — Liquid capacity __________ gallons

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

Seepage Pit No. __________ Diameter __________ Depth below inlet __________ Total leaching area __________ sq. ft.

Other fixtures:
- Distribution box ( )
- Dosing tank ( )

Percolation Test Results:
- Test Pit No. 1 __________ minutes per inch Depth of Test Pit __________ Depth to ground water __________
- Test Pit No. 2 __________ minutes per inch Depth of Test Pit __________ Depth to ground water __________

Description of Soil:

Nature of Repairs or Alterations — Answer when applicable:

Agreement:

The undersigned agrees to install the aforesaid 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 __________ Date __________

Application Approved By __________ Date __________

Application Disapproved for the following reasons:

Permit No. __________ Issued __________
THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

Application for Disposal Works Construction Permit

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

Location - Address

Owner's Name

Installer

Type of Building Size Lot Sq. feet

Dwelling — No. of Bedrooms Expansion Attic ( ) Garbage Grinder ( )
Other — Type of Building No. of persons Showers ( ) — Cafeteria ( )

Other fixtures

Design Flow — gallons per person per day. Total daily flow — gallons.
Septic Tank — Liquid capacity gallons Length Width Diameter. Depth.
Other Distribution box ( ) Dosing tank ( )

Percolation Test Results Performed by. Date

Test Pit No. 1. minutes per inch Depth of Test Pit. Depth to ground water.
Test Pit No. 2. minutes per inch Depth of Test Pit. Depth to ground water.

Description of Soil

Nature of Repairs or Alterations — Answer when applicable

Agreement:
The undersigned agrees to install the aforesaid 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. Date

Application Approved By. Date

Application Disapproved for the following reasons:

Permit No. Issued.
Arcadia and Metacomet Lakes
Belchertown, MA

Septic Systems Management Study

Inventory Field Form

Date: 8-18-88
Assessors' Map: O
Lot No.: 24
Address: 125 Metacomet Street Lake Metacomet
Owner's Name: Alice Lonczak
Address: 62 Speak St Chicopee
Occupant's Name: Same (if different from above)
Lot Size: 0.17 AC (7,700 sq. ft.)
Water Frontage (ft.): 70'

Residency: ___ year-round    ✓ seasonal (if seasonal, estimate number of weeks per year): on occasion
No. of Occupants: 15
Age of system (yrs.): 10 yrs
No. of Total Rooms: 4
No. of Bedrooms: 2
No. of Bathrooms: 1/2

Appliances/Connections:
✓ dishwasher
✓ dehumidifier
✓ washing machine
✓ sump pump
✓ garbage disposal
✓ roof or pavement drains
✓ other:

Basement/foundation type:
✓ brick or concrete block
✓ poured concrete floor
✓ dry masonry stone wall
✓ concrete slab on grade
✓ poured concrete wall
✓ piers or pilings
✓ blacktop

Well type:
✓ dug well
✓ lake
✓ driven point
✓ spring or cistern
✓ drilled rock well
✓ other:

Depth to well intake from surface (ft.): ?

M3A-6
Almer Huntley, Jr., & Associates, Inc.
Surveyors - Engineers - Landscape Architects
Prior septic system inspection no. _______ Under who's name is plan
Plan filed with Board of Health: _______ titled: ____________________

Sewage disposal system:

____ cesspool: ____ concrete block ____ steel ____ other _______

✓ septic tank: _____ volume (gal.) _____ depth
_____ length _____ width
_____ no. covers _____ diam. (in.) covers
_____ tees _____ baffles
_____ depth to top tank (ft.)

____ distr. box ____ pump or dosing siphon

____ leaching pit: _____ no. _____ diam (ft.)
_____ depth (ft.) _____ cover
_____ depth to top below grd.

____ leaching bed: _____ length (ft.) _____ width
_____ avg. depth to top (ft.)
_____ pipe diam (in.) _____ pipe type

____ leaching trenches: _____ no. _____ length (ft.)
_____ depth (in.) _____ width (in.)
_____ avg. depth to top (ft.)
_____ pipe diam (in.) _____ pipe type

____ reported perc. rate (min./in.) ____ reported avg. depth to groundwater
____ (ft. +) at leach. area

____ area remaining for system's replacement

? grey water system ________________________________

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: 
- Weed growth + Acid rain
- Contamination of drinking water, or lake water
- Security is a problem, break-ins are common.
- Motor boats, jet skis

Date of last septic tank/cesspool pumping: Don't know

Firm who pumps system: 

Anticipated variances for system replacement: Incomplete survey

- ✓ Own well setback
- ? Neighbor's well(s) setback
- ? Property line(s) setback
- NO Percolation rate-based design
- NO Sideslope requirements
- ? Insufficient available leaching area
- NO Necessary work within 100-year flood plain
- ? Necessary work within 100-foot buffer zone

To: 
- lake shore
- vegetated wetland
- brook or stream
- other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>H1</th>
<th>Elev.</th>
<th>BM</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1.32</td>
<td>312.59</td>
<td>308.27</td>
<td>Nail in pole WH100 6-3</td>
</tr>
<tr>
<td></td>
<td>307.44</td>
<td>305.45</td>
<td>GND AT SEPTIC SYSTEM</td>
</tr>
<tr>
<td></td>
<td>307.60</td>
<td>304.60</td>
<td>CAIAR FLOOR ELE.</td>
</tr>
<tr>
<td></td>
<td>4.32</td>
<td>308.27</td>
<td>BM: CLOSEOUT</td>
</tr>
</tbody>
</table>

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAND OF NAWROCKI

LEACHING PIT

OWNER DOES NOT KNOW LOCATION OF WELL

LAKE META.COMET

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
Inventory Field Form

Date: 8-17-??
Assessors' Map: GD
Lot No.: 22
Address: 131 Metacomet Street
Owner's Name: Lorett Skaza (Owner)
Address: 14 Warner Rd, B'town
Occupant's Name: Alan Skaza (Owner)
Lot Size: 7,500 sq. ft. (1/4 ac ±)
Water Frontage (ft.): 105 ±
Residency: ___ year-round  ✔ seasonal (if seasonal, estimate number of weeks per year): 12
No. of Occupants: 4
Age of system (yrs.): 30
No. of Total Rooms: 8
No. of Bedrooms: 2  No. of Bathrooms: 1/2
Appliances/Connections: No dishwasher  No dehumidifier
No washing machine  No sump pump
No garbage disposal  No roof or pavement drains
other:

Basement/foundation type:

___ brick or concrete block
___ dry masonry stone wall
___ poured concrete wall

Well type:

✔ dug well
___ driven point
___ drilled rock well

Depth to well intake from surface (ft.): 18'-20'

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ______ Under who's name is plan filed with Board of Health: ______ titled: ________________

Sewage disposal system:

___ cesspool: ___ concrete block ___ steel ___ other ______________________________

✓ septic tank: ___ volume (gal.) ___ depth
___ length ___ width
___ no. covers ___ diam. (in.) covers
___ tees ___ baffles
___ depth to top tank (ft.)

distr. box ___ pump or dosing siphon

___ leaching pit: ___ no. ___ diam (ft.)
___ depth (ft.) ___ cover
___ depth to top below grd.

✓ leaching bed: ___ length (ft.) ___ width
___ avg. depth to top (ft.)
___ pipe diam (in.) ___ pipe type

___ leaching trenches: ___ no. ___ length (ft.)
___ depth (in.) ___ width (in.)
___ avg. depth to top (ft.)
___ pipe diam (in.) ___ pipe type

reported perc. rate (min./in.) ______ reported avg. depth to groundwater (ft. +) at leach. area

area remaining for system's replacement

NO grey water system

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
I. Subdrainage

Comments on apparent problems: Iron bacteria in H₂O + high sediment content

Date of last septic tank/cesspool pumping: 8 YRS.
Firm who pumps system: DON'T KNOW

Anticipated variances for system replacement: NO RESERVE AREA IT WOULD NEVER PERC

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

<table>
<thead>
<tr>
<th>to:</th>
<th>lake shore</th>
<th>vegetated wetland</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>_brook or stream</td>
<td>_other</td>
</tr>
</tbody>
</table>

Levels:

<table>
<thead>
<tr>
<th>Elev.</th>
<th>BM: NAIL IN POLE #6-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>308.21</td>
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</tr>
<tr>
<td>306.88</td>
<td>End@System</td>
</tr>
<tr>
<td>305.45</td>
<td>Lake</td>
</tr>
<tr>
<td>308.33</td>
<td>GILL</td>
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<td>7.67</td>
<td></td>
</tr>
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<td>313.12</td>
<td></td>
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<tr>
<td>4.85</td>
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</tbody>
</table>

BM: CLOSEROUT

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE METACOMET

60-23

LAND OF CABRIE

Has not responded to mailings or phone calls.

Well is more than likely within 100'

LORERTA: 59.3-3484

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
**INVENTORY FIELD FORM**

**Date:** 3-23-88  
**Inspector(s):** J.B.B./D.J.C.

**Assessors’ Map:** LD  
**Lot No.:** 46

**Address:** 46 Poole Rd., Lake Metacomet

**Owner’s Name:** John Danquith  
**Telephone No.:** 967-7854

**Address:** Osborne Rd., Ware

**Occupant’s Name:** Empty at Moment  
(if different from above)

**Lot Size:** 0.53 AC. (23,500 sq. ft.)

**Water Frontage (ft.):** 125

**Residency:** __ year-round  
**Seasonal (if seasonal, estimate number of weeks per year):** 12 weeks

**No. of Occupants:** 4  
**Age of system (yrs.):** 2 yrs. old

**No. of Total Rooms:** 8  
**No. of Bedrooms:** 3  
**No. of Bathrooms:** 1

**Appliances/Connections:**  
- NO dishwasher
- NO dehumidifier
- YES washing machine
- NO sump pump
- NO garbage disposal
- NO roof or pavement drains
- Other: ______________________

**Basement/foundation type:**  
- YES brick or concrete block
- __ dry masonry stone wall
- __ poured concrete wall
- __ poured concrete floor
- __ concrete slab on grade
- __ piers or pilings

**Well type:**  
- YES dug well
- YES driven point
- __ drilled rock well
- __ lake
- __ spring or cistern
- __ other: ______________________

**Depth to well intake from surface (ft.):** ______________________

---

**M3A-6**  
**ALMER HUNTLEY, JR., & ASSOCIATES, INC.**  
**SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS**
Prior septic system inspection no. _____
Plan filed with Board of Health: _____

Sewage disposal system:

- cesspool: _____ concrete block _____ steel _____ other _____

- septic tank: _____ volume (gal.) _____ depth
  length _____ width
  no. covers _____ diam. (in.) covers
  tees _____ baffles
  ? depth to top tank (ft.)

- distr. box _____ pump or dosing siphon

- leaching pit: _____ no. 1000 GALL. _____ diam (ft.)
  depth (ft.) _____ cover
  ? depth to top below grd.

- leaching bed: _____ length (ft.) _____ width
  avg. depth to top (ft.) _____ pipe diam (in.)

- leaching trenches: _____ no. _____ length (ft.)
  depth (in.) _____ width (in.)
  avg. depth to top (ft.) _____ pipe diam (in.)
  pipe type

- reported perc. rate (min./in.) _____ reported avg. depth to groundwater
  (ft. +) at leach. area

- area remaining for system's replacement

- grey water system

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
I.D. No. _____

Comments on apparent problems: NONE

Date of last septic tank/cesspool pumping: ? Only bought it in Sept.
Firm who pumps system: ?

Anticipated variances for system replacement:

☑ Own well setback
☑ Neighbor's well(s) setback
NO Property line(s) setback
NO Percolation rate-based design
NO Sideslope requirements
NO Insufficient available leaching area
NO Necessary work within 100-year flood plain
NO Necessary work within 100-foot buffer zone

to: ______ lake shore ______ vegetated wetland ______
brook or stream ______ other ______

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>G.77</th>
<th>320.14</th>
<th>__________</th>
<th>313.37</th>
<th>BM: U. POLE #01 Pole Rd. Point</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>311.08</td>
<td>BM: T. POLE #02</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>316.18</td>
<td>BM: T. POLE #02</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>312.84</td>
<td>BM: T. POLE #02</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>313.94</td>
<td>BM: T. POLE #02</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>317.94</td>
<td>BM: T. POLE #02</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>321.58</td>
<td>BM: T. POLE #02</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>306.45</td>
<td>BM: T. POLE #02</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>__________</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>__________</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
LAND OF MERCIER

S. TANK

92'

51'

TBW U.P at 2.5' IP FOUND

53'

111

20'

L.PIT W/ CONCRETE PAD

REZERVE [ ]
AREA [ ]
100' FROM NEIGHBORS' WELLS AND LAKE SHORE

LAND OF VIEWS

LOCATION OF WELL AND S. SYSTEM IS UNKNOWN

ALMER HUNLEXY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
### ARCADIA AND METACOMET LAKES
#### BELCHERTOWN, MA

#### SEPTIC SYSTEMS MANAGEMENT STUDY

**INVENTORY FIELD FORM**

<table>
<thead>
<tr>
<th>Date:</th>
<th>Nov. 25, 1987</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inspector(s):</td>
<td>JBE / JME</td>
</tr>
<tr>
<td>Assessor's Map:</td>
<td>LD</td>
</tr>
<tr>
<td>Lot No.:</td>
<td>44</td>
</tr>
<tr>
<td>Address:</td>
<td>47 Poole Road, Lake Metacomet</td>
</tr>
<tr>
<td>Owner's Name:</td>
<td>Merrill Haas</td>
</tr>
<tr>
<td>Telephone No.:</td>
<td>323-7548</td>
</tr>
<tr>
<td>Address:</td>
<td>Same</td>
</tr>
<tr>
<td>Occupant's Name:</td>
<td>Same (if different from above)</td>
</tr>
<tr>
<td>Lot Size:</td>
<td>0.39 AC. (17,100 Sq.Ft.)</td>
</tr>
<tr>
<td>Water Frontage (ft.):</td>
<td>90'</td>
</tr>
<tr>
<td>Residency:</td>
<td>✓ year-round</td>
</tr>
<tr>
<td>Seasonal (if seasonal, estimate number of weeks per year):</td>
<td></td>
</tr>
<tr>
<td>No. of Occupants:</td>
<td>2</td>
</tr>
<tr>
<td>Age of system (yrs.):</td>
<td></td>
</tr>
<tr>
<td>No. of Total Rooms:</td>
<td>5</td>
</tr>
<tr>
<td>No. of Bedrooms:</td>
<td>2</td>
</tr>
<tr>
<td>No. of Bathrooms:</td>
<td>2</td>
</tr>
<tr>
<td>Only use one</td>
<td></td>
</tr>
<tr>
<td>Appliances/Connections:</td>
<td>NO dishwasher</td>
</tr>
<tr>
<td>✓ washing machine</td>
<td></td>
</tr>
<tr>
<td>NO dehumidifier</td>
<td></td>
</tr>
<tr>
<td>NO sump pump</td>
<td></td>
</tr>
<tr>
<td>NO garbage disposal</td>
<td></td>
</tr>
<tr>
<td>✓ roof or pavement drains</td>
<td></td>
</tr>
<tr>
<td>NO other:</td>
<td></td>
</tr>
<tr>
<td>Basement/foundation type:</td>
<td>✓ brick or concrete block</td>
</tr>
<tr>
<td>✓ poured concrete floor</td>
<td></td>
</tr>
<tr>
<td>✓ poured concrete wall</td>
<td></td>
</tr>
<tr>
<td>✓ concrete slab on grade</td>
<td></td>
</tr>
<tr>
<td>✓ piers or pilings</td>
<td></td>
</tr>
<tr>
<td>Well type:</td>
<td>✓ dug well</td>
</tr>
<tr>
<td>✓ lake</td>
<td></td>
</tr>
<tr>
<td>✓ driven point 22' deep</td>
<td></td>
</tr>
<tr>
<td>✓ spring or cistern</td>
<td></td>
</tr>
<tr>
<td>✓ drilled rock well</td>
<td></td>
</tr>
<tr>
<td>✓ other:</td>
<td></td>
</tr>
<tr>
<td>Depth to well intake from surface (ft.):</td>
<td>22'</td>
</tr>
</tbody>
</table>

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______ Under who's name is plan filed with Board of Health: _______ titled: _______

Sewage disposal system:

- cesspool: _____ concrete block _____ steel _____ other _______
- septic tank: [ ] volume (gal.) [ ] estimate Depth _______
  - length _______
  - width _______
- no. covers _______
- tees _______
- depth to top tank (ft.) _______

- distr. box _______ pump or dosing siphon
- leaching pit: [ ] no. _______
  - diam. (ft.) _______
  - depth (ft.) _______
  - cover _______
- depth to top below grd. _______
- leaching bed: _______
  - length (ft.) _______
  - width _______
  - avg. depth to top (ft.) _______
  - pipe diam (in.) _______ pipe type

- leaching trenches: [ ] no. _______
  - 35" length (ft.) _______
  - 24 depth (in.) of trench _______
  - 3' width (in.) bucket width _______
  - 4' avg. depth to top (ft.) _______
  - 6 pipe diam (in.) _______ PVC pipe type

- reported perc. rate (min./in.) _______ reported avg. depth to groundwater _______
  - (ft. +) at leach. area _______
  - (ft. +) in spring of 1984 _______

- area remaining for system's replacement _______

- grey water system _______
  - separate tank + leach field _______
  - Wanczyk from Amherst _______
  - put it in 20 yrs ago _______

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: None

Date of last septic tank/cesspool pumping: 2 yrs ago
Firm who pumps system: Jack Central Septic Service

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

to: _____ lake shore _____ vegetated wetland
_____ brook or stream _____ other

Levels:

+   HI     -   Elev.     BM: VP=02

4.71  318.08     313.37

2.92  315.16     bldg. sill at inv. out
8.00  310.08     exist. inv. out (below grade)
6.10  311.98     cellar floor
3.82  314.26     grnd. el. at septic tank
4.30  313.78     grnd. el. at reserve area
3.44  314.44     grnd. el. at leach area
11.63  306.45     lake el.
9.14  308.94     gray H20 tank cover
9.30  308.70     gray H20 field grnd el

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS

4.46  313.43     Closeout 313.37
Lot Sketch:

LAKE METACOMET

---

ALMER HUNTLEY, JR. & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADE AND METACOMET LAKES
BELCHERTOWN, MA
SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: JULY 25, 1988
Inspector(s): 322 / 323
Assessors' Map: 4D
Lot No.: 47
Address: 48 POOLE RD. LAKE METACOMET
Owner's Name: EDWARD KOKOR
Address: 160 CHAMPAGNE AVE CHICOPEE 01013
Occupant's Name: SAME
Lot Size: 15,000 SQ.FT (3/10 AC.)
Residency: __ year-round ✔ seasonal (if seasonal, estimate number of weeks per year): 6 - 8 WKS
No. of Occupants: 2
Age of system (yrs.): 3
No. of Total Rooms: 4
No. of Bedrooms: 2
No. of Bathrooms: 1

Appliances/Connections: No dishwasher No dehumidifier
No washing machine No sump pump BUT NO EDONE
No garbage disposal No roof or pavement drains
No other:

Basement/foundation type:
✔ brick or concrete block
CRAWLSPACE
___ dry masonry stone wall
___ poured concrete wall

Well type:
___ dug well
✔ driven point
___ lake
___ spring or cistern
___ drilled rock well
No other:

Depth to well intake from surface (ft.): 33'

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ______________________

Plan filed with Board of Health: **yes**

Under who's name is plan titled: **SAME**

Sewage disposal system:

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cesspool</td>
<td>Concrete block, steel, or other</td>
</tr>
<tr>
<td>Septic tank</td>
<td>1000 gal. volume, depth, width, no. covers, diameter, covers, baffles</td>
</tr>
<tr>
<td>Distr. box</td>
<td>Yes, pump or dosing siphon with cover</td>
</tr>
<tr>
<td>Leaching pit</td>
<td>1 no., 4 depth (ft.), depth to top below ground</td>
</tr>
<tr>
<td>Leaching bed</td>
<td>Length (ft.), width, avg. depth to top (ft.), pipe diam (in.), pipe type</td>
</tr>
<tr>
<td>Leaching trenches</td>
<td>No., length (ft.), depth (in.), width (in.), avg. depth to top (ft.), pipe diam (in.), pipe type</td>
</tr>
<tr>
<td>Reported perc. rate</td>
<td>Min./in., reported avg. depth to groundwater (ft.) at leach. area</td>
</tr>
</tbody>
</table>

Yes area remaining for system's replacement

No grey water system
**Comments on apparent problems:**
- Clean up weed growth
- Take out lily pads
- Black organic muck is feet thick
- ANN needs removal

**Date of last septic tank/cesspool pumping:**
- No

**Firm who pumps system:**
- 

**Anticipated variances for system replacement:**
- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

**Levels:**

<table>
<thead>
<tr>
<th>HI</th>
<th>Elev.</th>
<th>BM:</th>
</tr>
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<tbody>
<tr>
<td>5.32</td>
<td>313.35</td>
<td>UP 2' off Pooce Rd.</td>
</tr>
<tr>
<td>9.66</td>
<td>319.01</td>
<td>CESSPOOL</td>
</tr>
<tr>
<td>7.40</td>
<td>311.27</td>
<td>SILL OF HOUSE</td>
</tr>
<tr>
<td>12.70</td>
<td>305.91</td>
<td>LAKE METACOMET</td>
</tr>
<tr>
<td>5.33</td>
<td>313.34</td>
<td>CANNOT GET INV. OUT</td>
</tr>
</tbody>
</table>

**Septic system may be near groundwater table.**

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE METACOMET

LAND OF KOCUR

WELL

SEPTIC TANK

PUMP

R.O.W.

LEACH PIT

30'

4'x8'

51'

64'

91'

LAND OF KUSEK

NO SEPTIC SYSTEM OR WELL IN THIS AREA

WELL IS 100'+ TO KOCUR'S S. SYSTEM AND THIS SYSTEM IS 100'+ TO KOCUR'S WELL

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Date: NOV. 25, 1987
Inspector(s): JBB / 3MT
Assessors' Map: 6-0
Lot No.: 45
Address: 49 POOLE ROAD CAKE METACOMET
Owner's Name: RICHARD MERCIER
Telephone No.: 323-6228
Address: 49 POOLE ROAD
Occupant's Name: ________________________ (if different from above)
Lot Size: 0.72 AC. (10,000 Sq. Ft.)
Water Frontage (ft.): 50' 
Residency: X year-round ______ seasonal (if seasonal, estimate number of weeks per year): __________
No. of Occupants: 2
Age of system (yrs.): __________
No. of Total Rooms: 4
No. of Bedrooms: 2
No. of Bathrooms: 1

Appliances/Connections: NO dishwasher ______ dehumidifier
______ washing machine ______ sump pump
NO garbage disposal ______ roof or pavement drains
______ other: __________________________

Basement/foundation type:
______ brick or concrete block
______ dry masonry stone wall
______ poured concrete wall

Well type:
______ dug well
______ driven point
______ lake
______ spring or cistern
______ drilled rock well
______ other: __________________________

Depth to well intake from surface (ft.): 3'

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no.: _______

Plan filed with Board of Health: _______

Under who’s name is plan titled: _______

Sewage disposal system:

- cesspool: ______ concrete block ______ steel ______ other ______ precast

- septic tank: 1000 volume (gal.) ______ depth ______ width
- length ______ no. covers ______ 24” diam. (in.) covers ______ cover
- tees ______ Depth to top tank (ft.) ______ 0.75

- distr. box ______ pump or dosing siphon ______

- leaching pit: 1 no. ______ diam (ft.) ______ cover
- depth (ft.) ______ 500 gill.
- 1/2 depth to top below grd. ______

- leaching bed: ______ length (ft.) ______ width ______ avg. depth to top (ft.)
- pipe diam (in.) ______ pipe type

- leaching trenches: ______ no. ______ length (ft.) ______
- depth (in.) ______ width (in.) ______
- avg. depth to top (ft.) ______
- pipe diam (in.) ______ pipe type

- reported perc. rate (min./in.) ______ reported avg. depth to groundwater
- (ft. +) at leach. area ______

- area remaining for system’s replacement ______

- grey water system ______

---

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
No subdrainage

Date of last septic tank/cesspool pumping: Nov. 84

Firm who pumps system: Central Septic Service 1-800-442-2248

Anticipated variances for system replacement:

- [ ] Own well setback
- [x] Neighbor's well(s) setback
- [ ] Property line(s) setback
- [ ] Percolation rate-based design
- [ ] Sideslope requirements
- [ ] Insufficient available leaching area
- [ ] Necessary work within 100-year flood plain
- [ ] Necessary work within 100-foot buffer zone

To:
- _____ lake shore
- _____ vegetated wetland
- _____ brook or stream
- _____ other

Levels:

- HI Elev.
- 318.46 313.37 BH: V.P. #02

- 5.09

- 4.28 314.18 bldg. sill at inv. out
- 3.80 314.66 exist. inv. out
- 6.20 312.76 cellar floor
- 6.98 311.48 grnd. el. at septic tank
- 6.22 312.24 grnd. el. at reserve area
- 5.40 313.00 grnd. el. at leach area
- 9.80 308.64 lake el.
- 5.14 313.32 Closeout: 313.37

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

Well on this lot is too far from Mercier's Septic System.

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
NO INFO

ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: ____________________  Inspector(s): N/A
Assessors' Map: ____________________  Lot No.: ____________________
Address: 50 POOLE RD, LAKE METACOMET
Owner's Name: DALE JONES  Telephone No.: ____________________
Address: ____________________
Occupant's Name: ____________________ (if different from above)
Lot Size: ____________________  Water Frontage (ft.): ____________________

Residency: ___ year-round  ___ seasonal (if seasonal, estimate number of
weeks per year): ____________________
No. of Occupants: ______  Age of system (yrs.): ____________________
No. of Total Rooms: ______  No. of Bedrooms: ___  No. of Bathrooms: ___

Appliances/Connections:  ___ dishwasher  ___ dehumidifier
___ washing machine  ___ sump pump
___ garbage disposal  ___ roof or pavement drains
___ other: ____________________

Basement/foundation type:
___ brick or concrete block  ___ poured concrete floor
___ dry masonry stone wall  ___ concrete slab on grade
___ poured concrete wall  ___ piers or pilings

Well type:
___ dug well  ___ lake
___ driven point  ___ spring or cistern
___ drilled rock well  ___ other: ____________________

Depth to well intake from surface (ft.): ____________________

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ____________________
Plan filed with Board of Health: ____________________

Under who's name is plan titled: ____________________

Sewage disposal system:

- cesspool: ______ concrete block ______ steel ______ other ______
- septic tank: ______ volume (gal.) ______ depth
  ______ length ______ width
  ______ no. covers ______ diam. (in.) covers
  ______ tees ______ baffles
  ______ depth to top tank (ft.)
- distr. box ______ pump or dosing siphon
- leaching pit: ______ no. ______ diam (ft.)
  ______ depth (ft.) ______ cover
  ______ depth to top below grd.
- leaching bed: ______ length (ft.) ______ width
  ______ avg. depth to top (ft.)
  ______ pipe diam (in.) ______ pipe type
- leaching trenches: ______ no. ______ length (ft.)
  ______ depth (in.) ______ width (in.)
  ______ avg. depth to top (ft.)
  ______ pipe diam (in.) ______ pipe type
- reported perc. rate (min./in.) ______ reported avg. depth to groundwater (ft. +) at leach. area
- area remaining for system's replacement
- grey water system
subdrainage

Comments on apparent problems:

Date of last septic tank/cesspool pumping: ____________________
Firm who pumps system: _______________________________________

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone
to: ______ lake shore ______ vegetated wetland
     ______ brook or stream ______ other _________________________

Levels:

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M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:
DATE: Aug 30, 1988
LOCATION: 50 Park Rd.

OWNER: Date Jerome
ADDRESS: 21 Pelham Rd.
FIRM: S.

OBSERVED: Judy
BENCH MARK:
PERC DEPTH: 50"
SOAK: 12" - 12:23 Qth held water

TEST:
RATE:

TOWN OF Belcher, NH
BOARD OF HEALTH
PERC TEST DATA SHEET

RECEIVED:
SEP 29 1988
ALMER HUNTER, JR. & ASSOCIATE INC.
Recommended Septic System Alternative

Inventory Field Form

Date: JAN 28, 1988
Inspector(s): BB/ J
Assessors' Map: 6D
Lot No.: 51, 52
Address: 59 POOLE RD., LAKE METACOMET
Owner's Name: RANDY PAUL
Telephone No.: 323-4210

Occupant's Name: SAME
Address: SAME
Lot Size: 13,340 Sq.Ft. (0.30 Ac.)
Water Frontage (ft.): NONE

Residency: ✓ year-round
seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: 1
Age of system (yrs.): 1978
No. of Total Rooms: 4
No. of Bedrooms: 2
No. of Bathrooms: 1

Appliances/Connections:
NO dishwasher
NO dehumidifier
NO washing machine
NO sump pump
NO garbage disposal
NO roof or pavement drains
other:

Basement/foundation type:
NO brick or concrete block
NO dry masonry stone wall
NO poured concrete wall

Well type:
✓ dug well
✓ driven point

Depth to well intake from surface (ft.): 12-15'

Well type: dug well
Lake
Spring or cistern
Drilled rock well
Other:

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no.    Under who's name is plan
titled:  
Plan filed with Board of Health:    

Sewage disposal system:

____ cesspool:  ____ concrete block  ____ steel  ____ other

✓ septic tank:  1000  volume (gal.)  

100"  length

no. covers

YES  tees

'  depth to top tank (ft.)

____ distr. box  ____ pump or dosing siphon

✓ leaching pit:  1  no.

depth (ft.)

depth to top below grd.

____ leaching bed:  ____ length (ft.)  ____ width

avg. depth to top (ft.)

pipe diam (in.)  ____ pipe type

____ leaching trenches:  ____ no.

____ depth (in.)  ____ width (in.)

avg. depth to top (ft.)

pipe diam (in.)  ____ pipe type

____ reported perc. rate (min./in.)  ____ reported avg. depth to groundwater

(ft. +) at leach. area

✓ area remaining for system's replacement

____ grey water system  none

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS

M3A-6
subdrainage  NO

Comments on apparent problems:  NEEDS TO REPLACE WELL POINT

Date of last septic tank/cesspool pumping:  
Firm who pumps system:  

Anticipated variances for system replacement:

✓ Own well setback  
✓ Neighbor's well(s) setback  
NO Property line(s) setback  
NO Percolation rate-based design  
✓ Sideslope requirements  
✓ Insufficient available leaching area  
NO Necessary work within 100-year flood plain  
✓ Necessary work within 100-foot buffer zone to:  lake shore  ✓ vegetated wetland  
   brook or stream  other 

Levels:

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ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

- LAND OF KOCUR
- LAKE
- W
- LANDS
- W
- 100, PLUS
- KOCUR'S WELL
- 150'
- PIT
- TANK
- 31'
- 41'
- HOUSE
- WELL
- 120'
- 31'
- 150'
- 120'

- WHITE HOUSE
- NEXT TO JOHNSON
- WHO IS NEXT TO ARIEL

- \( \Delta \ 100' \) TO
- SUTCLIFFE WELL

- LEACHING PIPE

- POOLE RD

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Date: 12-22-87
Assessors' Map: LD
Address: 69 POOLE ROAD - LAKE METACOMET

Owner's Name: ROBERT W. SUTCLIFFE
Address: 69 POOLE ROAD - LAKE METACOMET
Telephone No.: 323-6348

Occupant's Name: SAME
Lot No.: 77

Lot Size: 0.17 AC. (7,650 Sq. Ft.)
Water Frontage (ft.): NONE

Residency: ✓ year-round

No. of Occupants: 2
Age of system (yrs.): 35 YRS
No. of Total Rooms: 5
No. of Bedrooms: 2
No. of Bathrooms: 1

Appliances/Connections:
✓ washing machine
✓ sump pump
NO dishwasher
NO dehumidifier
NO garbage disposal
NO roof or pavement drains

Basement/foundation type:
✓ brick or concrete block

Dry masonry stone wall
Poured concrete floor
Concrete slab on grade
Piers or pilings

Well type:
 ✓ driven-point

Dug well
Lake
Spring or cistern
Drilled rock well
Other: 

Depth to well intake from surface (ft.): 32'
Prior septic system inspection no.______

Plan filed with Board of Health: _____

Under who's name is plan titled: __________

Sewage disposal system:

_ _ cesspool: __ concrete block ___ steel ___ other ______

✓ septic tank: 800 volume (gal.) ___ depth

_ _ length CEMENT ___ width

_ _ no. covers BLOCKS ___ diam. (in.) covers

_ _ tees ___ baffles

_ _ depth to top tank (ft.)

_ _ distrib. box ___ pump or dosing siphon

✓ leaching pit: 900 GAL. no. [SAME AS S-TANK] ___ diam (ft.)

_ _ depth (ft.) ___ cover

_ _ depth to top below grd.

✓ leaching bed: 35'-length (ft.) ___ width

_ _ avg. depth to top (ft.) ___ pipe type

_ _ pipe diam (in.) Orangeburg

✓ leaching trenches: ___ no. ___ length (ft.)

_ _ depth (in.) ___ width (in.)

_ _ avg. depth to top (ft.) ___ pipe diam (in.) ___ pipe type

_ _ reported perc. rate (min./in.) ___ reported avg. depth to groundwater

_ _ (ft. +) at leach. area

_ _ area remaining for system's replacement

No grey water system______________________________

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
No subdrainage

Comments on apparent problems: None

Date of last septic tank/cesspool pumping: 1986
Firm who pumps system: RAY BASARA

Anticipated variances for system replacement: No RESERVE AREA

- [✓] Own well setback
- [✓] Neighbor's well(s) setback
- [✓] Insufficient available leaching area
- [✓] Necessary work within 100-year flood plain
- [✓] Necessary work within 100-foot buffer zone

Levels:

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BM: UP 6/6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE MATH COMET

SHED

L. PIPE

PORCH

L. PIT

S. TANK

HOUSE

GARAGE

WELL

11'

100'

50'

POOLE ROAD

FENCELINE 4 R

LOCATION OF WELL ON THIS LOT IS UNKNOWN BUT IS PROBABLY WITHIN 100' OF SUTCLIFF'S S. SYSTEM.
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 8-18-88
Assessors' Map: LD
Lot No.: 50
Address: 73 POOLE RD., METACOMET LAKE
Owner's Name: JEANNETTE C. GRAFFIN
Telephone No.: 323-4911
Address: SANFORD, FLORIDA
Occupant's Name: SAME
Lot Size: 0.24 AC (15,000 sq. ft.)
Water Frontage (ft.): NONE

Residency: ___ year-round ☑ seasonal (If seasonal, estimate number of weeks per year): 24
No. of Occupants: 2
Age of system (yrs.): 1946
No. of Total Rooms: 3
No. of Bedrooms: 1
No. of Bathrooms: 1

Appliances/Connections: ☑ dishwasher ☑ dehumidifier
☐ washing machine ☐ sump pump
☐ garbage disposal ☑ roof or pavement drains
☐ other:

Basement/foundation type:
☐ ½ brick or cinder block
☐ dry masonry stone wall
☐ poured concrete wall
☐ ½ crawl space

Well type: ☑ dug well □ lake
□ driven point □ spring or cistern
□ drilled rock well □ other:

Depth to well intake from surface (ft.): 20'

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ___________________________
Plan filed with Board of Health: ____________________________

Under who's name is plan titled: ____________________________

Sewage disposal system:

_ cesspool: _ concrete block _ steel _ other _ cement

☑ septic tank: 800 volume (gal.) 5' depth

52'' length 24'' width

4 no. covers 4'' THICK diam. (in.) covers

tees baffles

2 depth to top tank (ft.)

_ distr. box _ pump or dosing siphon

_ leaching pit: _ no.

_ depth (ft.) _ diam (ft.)

_ depth to top below grd. _ cover

_ leaching bed: _ length (ft.) _ width

_ avg. depth to top (ft.) _ pipe type

_ leaching trenches: _ no. _ length (ft.)

_ depth (in.) _ width (in.)

_ avg. depth to top (ft.) _ pipe type

_ pipe diam (in.) _ pipe type

_ reported perc. rate (min./in.) _ reported avg. depth to groundwater

(ft. +) at leach. area

_ area remaining for system's replacement

NO grey water system

MJA-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: INTEREWS ARE DANGEROush TO RATHERS AND OFTEN DO NOT HAVE TWO PEOPLE IN THF BOAT, ONE TO SERVE AS A SPOTTER.

Date of last septic tank/cesspool pumping: SEPT 1986
Firm who pumps system: HAYWARD

Anticipated variances for system replacement:

✓ Own well setback
✓ Neighbor's well(s) setback
NO Property line(s) setback
NO Percolation rate-based design
NO Sideslope requirements
✓ Insufficient available leaching area
✓ Necessary work within 100-year flood plain
NO Necessary work within 100-foot buffer zone

to: ✓ lake shore

✓ vegetated wetland

✓ brook or stream

NO other

Levels:

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ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE

LAND OF PAUL

S. TANK

PR073

RIGHT OF WAY

LAND OF JOHNSON

S. TANK

WELL LOCATION ON
THIS LOT IS
UNKNOWN TO
THE OWNER

NO RESERVE AREA
AVAILABLE

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
**Inventory Field Form**

**Address:** 75 Poole Road, Lake Metacomet  
**Owner's Name:** Jeff Johnson  
**Telephone No.:** 323-6877

**Lot Size:** 0.14 acres (6,500 sq. ft.)

**Residency:** ✓ year-round  
**Age of System (yrs.):** 1960inus basement floor

**Lot No.:** 80

**Date:** 1-7-88

**Inspector(s):** B.R./A.M.

**Assessors' Map:** CD

**Occupant's Name:** SAME (if different from above)

**Lot Size:** 0.14 acres (6,500 sq. ft.)

**Water Frontage (ft.):** 50'

**No. of Occupants:** 3

**No. of Total Rooms:** 5

**No. of Bedrooms:** 2

**No. of Bathrooms:** 1

**Appliances/Connections:**
- dishwasher
- dehumidifier
- washing machine
- sump-pump
- garbage disposal
- roof or pavement drains
- other:

**Basement/foundation type:**
- ✓ brick or concrete block
- poured concrete floor
- dry masonry stone wall
- concrete slab on grade
- poured concrete wall
- piers or pilings

**Well type:**
- ✓ 7? dug well
- ✓ 7? driven-point well
- lake
- spring or cistern
- drilled rock well
- other:

**Depth to Well Intake from Surface (ft.):** 20-25'

---

**M3A-6**  
**ALMER HUNTLEY, JR., & ASSOCIATES, INC.**  
**SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS**
Prior septic system inspection no. _______ Under who's name is plan
Plan filed with Board of Health: _______ titled: ________

Sewage disposal system: 2 SYSTEMS

☐ cesspool: ? concrete block ______ steel ______ other ______

FOR KITCHEN AND BATHING

☑ septic tank: ? volume (gal.) ______ depth

FOR TOILET

☐ length

☐ no. covers

☐ tees

☐ depth to top tank (ft.)

☐ distr. box ______ pump or dosing siphon

☐ leaching pit: ______ no.

☐ diam (ft.)

☐ depth (ft.)

☐ cover

☐ depth to top below grd.

☐ leaching bed: ______ length (ft.)

☐ width

☐ avg. depth to top (ft.)

☐ pipe diam (in.)

☐ pipe type

☐ leaching trenches: ______ no.

☐ length (ft.)

☐ depth (in.)

☐ width (in.)

☐ avg. depth to top (ft.)

☐ pipe diam (in.)

☐ pipe type

☐ reported perc. rate (min./in.) ______ reported avg. depth to groundwater

( ft. + ) at leach. area

☐ area remaining for system's replacement

☑ grey water system IN BASEMENT OF HOUSE. IT IS NOT CURRENTLY
USED BUT WAS ORIGINALLY INSTALLED FOR AN OLD WASHING MACHINE
Comments on apparent problems: WEED GROWTH

Date of last septic tank/cesspool pumping: 4 yrs ago
Firm who pumps system: Don't remember

Anticipated variances for system replacement: No RESERVE AREA

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone
  to: lake shore
  vegetated wetland
  brook or stream
  other

Levels:

<table>
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<th>+</th>
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BM: UP 01/12/9

DRY WELL GND. SHOT
SEPTIC TANK GROUND SHOT
LAKE METACOMET
GROUND @ INV. OUT
SILL
4.8' TO INV. OUT FROM
7.2 TO CELLAR FLOOR FROM SILL

M3A-6 ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAND OF GRIFFIN

LAND OF J. JOHNSON

LAND OF ARIEL

WELL

S. TANK FOR TOILET

FOR KITCHEN + BATHING APPROXIMATE P.

PROTYS

OWNER HAS NO IDEA WHERE HIS WATER WELLS LOCATED

FOR ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
I.D. No.  885/88  

ARCADIA AND METACOMET LAKES  
BELCHERTOWN, MA  

SEPTIC SYSTEMS MANAGEMENT STUDY  

INVENTORY FIELD FORM  

Date: 1-4-88  
Assessors' Map:  (G)  
Lot No.:  88  

Address:  80 POOLE RD  LAKE METACOMET  

Owner's Name:  RICARDO BASCO  
Telephone No.:  323-5832  

Address:  SAME  

Occupant's Name:  SAME  
(if different from above)  

Lot Size:  1.03 AC. (45,000 Sq.Ft.)  
Water Frontage (ft.):  BACHELOR BROOK  

Residency:  ✓ year-round  
(seasonal, estimate number of weeks per year):  

No. of Occupants:  3  
Age of system (yrs.):  

No. of Total Rooms:  5  
No. of Bedrooms:  3  
No. of Bathrooms:  1  

Appliances/Connections:  
✓ dishwasher  
✓ washing machine  
✓ garbage disposal  
✓ small portable  
✓ sump pump  
✓ dehumidifier  
don't use it  
other:  

Basement/foundation type:  
✓ poured concrete floor  
✓ concrete slab on grade  
✓ poured concrete wall  
brick or concrete block  
dry masonry stone wall  
piers or pilings  

Well type:  
✓ dug well  
 ✓ driven point  
 ✓ drilled rock well  
TOWN WATER  
lake  
spring or cistern  
other:  

Depth to well intake from surface (ft.):  20'  

M3A-6  

ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ________ Under who's name is plan ________
Plan filed with Board of Health: ________ titled: ________________

Sewage disposal system: HOPE TO GET A SKETCH OF SYSTEM FROM PREVIOUS OWNER IN SPRING

____ cesspool: ____ concrete block ____ steel ____ other ________

✓ septic tank: ___ volume (gal.) ___ depth
____ length ___ width
____ no. covers ___ diam. (in.) covers
____ tees ___ baffles
____ depth to top tank (ft.)

____ distr. box ___ pump or dosing siphon

____ leaching pit: ____ no. ___ diam (ft.)
____ depth (ft.) ___ cover
____ depth to top below grd.

✓ leaching bed: ___ length (ft.) ___ width
____ avg. depth to top (ft.)
____ pipe diam (in.) ___ pipe type

____ leaching trenches: ___ no. ___ length (ft.)
____ depth (in.) ___ width (in.)
____ avg. depth to top (ft.)
____ pipe diam (in.) ___ pipe type

____ reported perc. rate (min./in.) ___ reported avg. depth to groundwater (ft. +) at leach. area

NO area remaining for system's replacement

NO grey water system ________________
subdrainage NOT THAT HE KNOWS ABOUT, BUT AN OUTLET
PIPE WAS OBSERVED AT EDGE OF MARSH

Comments on apparent problems: NO

Date of last septic tank/cesspool pumping: ONE YEAR AGO
Firm who pumps system: DON'T KNOW

Anticipated variances for system replacement: PUMP SYSTEM FOR RESERVE

<table>
<thead>
<tr>
<th>Variances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Own well setback</td>
</tr>
<tr>
<td>Neighbor's well(s) setback</td>
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<tr>
<td>Property line(s) setback</td>
</tr>
<tr>
<td>Percolation rate-based design</td>
</tr>
<tr>
<td>Sideslope requirements</td>
</tr>
<tr>
<td>Insufficient available leaching area</td>
</tr>
<tr>
<td>Necessary work within 100-year flood plain</td>
</tr>
<tr>
<td>Necessary work within 100-foot buffer zone</td>
</tr>
</tbody>
</table>

to: _____ lake shore _____ vegetated wetland
    _____ brook or stream _____ other

Levels:

<table>
<thead>
<tr>
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<th>Elev.</th>
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<tbody>
<tr>
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</tr>
</tbody>
</table>

BM: UP 6

- GND @ RESERVE
- GND @ LEACH AREA
- GND @ S. TANK
- SLAB FOUNDATION
- H2O level in marsh

M3A-5 ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS

SEPTIC SYSTEM MAY BE NEAR GROUNDWATER TABLE
# Inventory Field Form

**Date:** Dec. 22, 1987  
**Inspector(s):** AB; LM

**Assessors' Map:** 6D  
**Lot No.:** 92

**Address:** 84 Poole Road (2 Unit Dwelling) Lake Metacomet  
**Owner's Name:** Jane Nevins  
**Telephone No.:** 586-3772

**Address:** 21 West St., Hadley  
**Occupant's Name:** Wayne Williams (Downstairs) (if different from above)

**Lot Size:** 0.33 Acre (14,375 sq. ft.)  
**Water Frontage (ft.):** None

**Residency:** ✓ year-round  
(seasonal, estimate number of weeks per year):

**No. of Occupants:** 1 down/4 up  
**Age of system (yrs.):** Original 1950s

**No. of Total Rooms:** 2 1/2  
**No. of Bedrooms:** 1 down  
**No. of Bathrooms:** 1 1/2

**Appliances/Connections:** 
- No dishwasher  
- No dehumidifier  
- No washing machine  
- No sump pump  
- No garbage disposal  
- No roof or pavement drains  
- Other:

**Basement/foundation type:** 
- ✓ brick or concrete block
- ✓ dry masonry stone wall
- ✓ poured concrete wall
- poured concrete floor
- concrete slab on grade
- piers or pilings

**Well type:** 
- ✓ dug well  
- ✓ lake  
- ✓ driven point  
- ✓ spring or cistern  
- ✓ drilled rock well  
- ✓ other:

**Depth to well intake from surface (ft.):** 600'  
(Same well as 120 & 101/107 Poole Rd.)

---

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. __________  Under whose name is plan:
Plan filed with Board of Health: __________  titled: ____________________

Sewage disposal system:  
**DON'T KNOW**  
**PROBABLY**  
**Built by Phil Malo (lives in Granby)**  
**Related to suctiiles**

- cesspool: ✔ concrete block  ✔ steel  ☐ other __________

- septic tank:  
  - volume (gal.) __________  depth __________
  - length __________  width __________
  - no. covers __________  diam. (in.) covers __________
  - tees __________  baffles __________
  - depth to top tank (ft.) __________

- distr. box __________  pump or dosing siphon __________

- leaching pit:  
  - no. __________  diam (ft.) __________
  - depth (ft.) __________  cover __________
  - depth to top below grd. __________

- leaching bed:  
  - length (ft.) __________  width __________
  - avg. depth to top (ft.) __________
  - pipe diam (in.) __________  pipe type __________

- leaching trenches:  
  - no. __________  length (ft.) __________
  - depth (in.) __________  width (in.) __________
  - avg. depth to top (ft.) __________
  - pipe diam (in.) __________  pipe type __________

- reported perc. rate (min./in.) __________  reported avg. depth to groundwater (ft. +) at leach. area __________

- area remaining for system's replacement __________

- grey water system __________

ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS  

M3A-6
No subdrainage

Comments on apparent problems: H11 TCF FOUND IN O1D WELLS SEPT 1985

Date of last septic tank/cesspool pumping: NEVER

Firm who pumps system: N.A.

Anticipated variances for system replacement:

- ✔ Own well setback
- ✔ Neighbor's well(s) setback
- NO Property line(s) setback
- NO Percolation rate-based design
- NO Sideslope requirements
- ✔ Insufficient available leaching area
- NO Necessary work within 100-year flood plain
- NO Necessary work within 100-foot buffer zone

to: ___ lake shore ___ vegetated wetland

___ brook or stream ___ other ______________________

Levels: + HI Elev. BM: APOLE = 10.64FT

<table>
<thead>
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<th>323.93</th>
<th>319.96</th>
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</tbody>
</table>

M3A-6 ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
Lot Sketch:

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Date: 8-5-78  Inspector(s): B.S. / H.F.
Assessors' Map: CD  Lot No.: 79
Address: 95 POOLE ROAD LAKE METACOMET
Owner's Name: GIDEON ARIEL  Telephone No.: (Contact) Jeremy Wise
Address: 128 SHAY ST AMHERST
Occupant's Name: EMPTY FOR 12 YRS. (if different from above)
Lot Size: 0.57AC. (25,200sq.Ft.)  Water Frontage (ft.): 80'
Residency: ___ year-round  ✔ seasonal (if seasonal, estimate number of weeks per year):
No. of Occupants: 0  Age of system (yrs.): 2 1971+
No. of Total Rooms: 2  No. of Bedrooms: 1  No. of Bathrooms: 1
Appliances/Connections:  ___ dishwasher  ___ dehumidifier
                        ___ washing-machine  ___ sump-pump
                        ___ garbage-disposal  ___ roof-or-pavement-drains
                        ___ other: _______________________
Basement/foundation type:
                        ✔ brick or concrete block  ✔ poured concrete floor
                        ___ dry masonry stone wall  ___ concrete slab on grade
                        ___ poured concrete wall  ___ piers or pilings
Well type:  ✔ dug well  ___ lake
            ___ driven point  ___ spring or cistern
            ___ drilled rock well  ___ other: _______________________

Depth to well intake from surface (ft.): 20'+
Prior septic system inspection no. ____________________________
Plan filed with Board of Health: NO
Under who's name is plan titled: ____________________________

Sewage disposal system:

[ ] cesspool: [ ] concrete block [ ] steel [ ] other ____________

[ ] septic tank: [ ] volume (gal.) [ ] depth
[ ] length [ ] width
[ ] no. covers [ ] diam. (in.) covers
[ ] tees [ ] baffles
[ ] depth to top tank (ft.)

[ ] distr. box [ ] pump or dosing siphon

[ ] leaching pit: [ ] no. [ ] diam (ft.)
[ ] depth (ft.) [ ] cover
[ ] depth to top below grd.

[ ] leaching bed: [ ] length (ft.) [ ] width
[ ] avg. depth to top (ft.) [ ] pipe type
[ ] pipe diam (in.)

[ ] leaching trenches: [ ] no. [ ] length (ft.)
[ ] depth (in.) [ ] width (in.)
[ ] avg. depth to top (ft.) [ ] pipe type
[ ] pipe diam (in.)

[ ] reported perc. rate (min./in.) [ ] reported avg. depth to groundwater (ft. +) at leach. area

[ ] area remaining for system's replacement

NO grey water system

M3A-6 ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
I

subdrainage

__________________________

Comments on apparent problems:  GREAT POTENTIAL FOR DEVELOPMENT

__________________________

Date of last septic tank/cesspool pumping: 15YRS
Firm who pumps system: KARL'S EXCAVATING

Anticipated variances for system replacement:

☑ Own well setback
☑ Neighbor's well(s) setback
☑ Property line(s) setback
☒ Percolation rate-based design
☒ Sideslope requirements
☑ Insufficient available leaching area
☒ Necessary work within 100-year flood plain
☒ Necessary work within 100-foot buffer zone

to:  lake shore
     vegetated wetland
     brook or stream
     other

Levels:

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<th>BM:</th>
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4.3

53 'in' 31370

78 'in' 31160

Lev out

cellar floor

BM: ______

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 1 - 7 - 88
Inspector(s): JMI / JEB
Assessors' Map: 6D
Lot No.: ?
Address: 88 POOLE RD. LAKE METACOMET
Owner's Name: JOAN BARRETT
Telephone No.: 323-4056
Address: SAME
Occupant's Name: SAME (if different from above)
Lot Size: DON'T KNOW, NOT ON TAX MAP
Water Frontage (ft.): NONE

Residency: ✓ year-round __ seasonal (if seasonal, estimate number of weeks per year): _____________

No. of Occupants: 3
Age of system (yrs.): 16 + YRS AGO
No. of Total Rooms: 4
No. of Bedrooms: 2
No. of Bathrooms: 1

Appliances/Connections: NO dishwasher NO dehumidifier
NO washing machine NO sump pump
NO garbage disposal NO roof or pavement drains
___ other: __________________________

Basement/foundation type:
___ brick or concrete block ___ poured concrete floor
___ dry masonry stone wall ___ concrete slab on grade
✓ poured concrete wall ___ piers or pilings

Well type:
✓ dug well ___ lake
___ driven point ___ spring or cistern
___ drilled rock well ___ other: __________________

Depth to well intake from surface (ft.): ?

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ______ Under who's name is plan
Plan filed with Board of Health: ______ titled: ______________

Sewage disposal system:

____ cesspool: ______ concrete block ______ steel ______ other ______

✓ septic tank: ______ volume (gal.) ______ depth
____ length ______ width
____ no. covers ______ diam. (in.) covers
____ tees ______ baffles
____ depth to top tank (ft.)

____ distr. box ______ pump or dosing siphon

____ leaching pit: ______ no. ______ diam (ft.)
____ depth (ft.) ______ cover
____ depth to top below grd.

____ leaching bed: ______ length (ft.) ______ width
____ avg. depth to top (ft.)
____ pipe diam (in.) ______ pipe type

____ leaching trenches: ______ no. ______ length (ft.)
____ depth (in.) ______ width (in.)
____ avg. depth to top (ft.)
____ pipe diam (in.) ______ pipe type

____ reported perc. rate (min./in.) ______ reported avg. depth to groundwater
 ______ (ft. +) at leach. area

____ area remaining for system's replacement

____ grey water system
subdrainage: NONE

Comments on apparent problems: WATER QUALITY, IRON IN WATER. DON'T DRINK IT.

Date of last septic tank/cesspool pumping: SEPT. 1984

Firm who pumps system: 

Anticipated variances for system replacement: NO RESERVE AREA

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

To: lake shore, 

vegetated wetland

brook or stream

other

Levels:

<table>
<thead>
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<th>HI</th>
<th>Elev.</th>
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<td>313.35</td>
<td>309.31</td>
</tr>
</tbody>
</table>

BM: U. Pole #6

GND SHOT @ INV. OUT
GND SHOT @ S. TANK
SILL OF HOUSE
WATER LEV. IN MARSH

BM: U. Pole #6 309.31

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAND OF J. NEVIN

DRY WELL

APPROX. LOC. CESSPOOL

BASCO'S SYSTEM
IS 120' FROM BARRETT'S WELL

HEMLOCKS

WELL

MAPLES

BARTRETT'S HOUSE

STEPS

SHELD

LAND OF SHELD

POOLE RD. EXT.

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES  
BELCHERTOWN, MA  
SEPTIC SYSTEMS MANAGEMENT STUDY  

INVENTORY FIELD FORM

Date: 1-18-87
Assessors' Map: 60
Lot No.: 31
Address: 95 POOLE ROAD
Owner's Name: GIDEON ARIEL
Address: 128 SHAY ST AMHERST
Occupant's Name: NO ONE (EMPTY)
Lot Size: 2/5 ACRE
Water Frontage (ft.): 80'

Residency: __ year-round   ✓ seasonal (if seasonal, estimate number of weeks per year): once year
No. of Occupants: 1
No. of Total Rooms: 4
No. of Bedrooms: 2   No. of Bathrooms: 1

Appliances/Connections:   NO dishwasher   NO dehumidifier  
NO washing machine   NO sump pump
NO garbage disposal   ___ roof or pavement drains
___ other:

Basement/foundation type:
✓ brick or concrete block
___ dry masonry stone wall
___ poured concrete wall

Well type:  
✓ dug well
___ driven point
___ drilled rock well
___ lake
___ spring or cistern
___ other: ____________

Depth to well intake from surface (ft.): 20-26'

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ________

Plan filed with Board of Health: ________

Under who's name is plan titled: ________

Sewage disposal system:

<table>
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<tr>
<th>Item</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Cesspool</td>
<td>Concrete block/steel/other</td>
</tr>
<tr>
<td>Septic tank</td>
<td>Volume (gal.), length, no. covers, depth</td>
</tr>
<tr>
<td>Distr. box</td>
<td>Pump or dosing siphon</td>
</tr>
<tr>
<td>Leaching pit</td>
<td>No. depth (ft.), cover, depth to top below grd.</td>
</tr>
<tr>
<td>Leaching bed</td>
<td>Length (ft.), avg. depth to top (ft.), pipe diam (in.)</td>
</tr>
<tr>
<td>Leaching trenches</td>
<td>No. length (ft.), depth (in.), avg. depth to top (ft.), pipe diam (in.)</td>
</tr>
</tbody>
</table>

Reported perc. rate (min./in.) reported avg. depth to groundwater (ft.) at leach. area

Area remaining for system's replacement

Grey water system
I. subdrainage

Comments on apparent problems: GREAT AREA FOR POTENTIAL DEVELOPMENT

Date of last septic tank/cesspool pumping: 15 YRS AGO
Firm who pumps system: KAREL EXCAVATING

Anticipated variances for system replacement:

- ✓ Own well setback
- ✓ Neighbor's well(s) setback
- NO Property line(s) setback
- NO Percolation rate-based design
- NO Sideslope requirements
- ✓ Insufficient available leaching area
- NO Necessary work within 100-year flood plain
- NO Necessary work within 100-foot buffer zone

To: ___ lake shore ___ vegetated wetland
    ___ brook or stream ___ other ___

Levels:

<table>
<thead>
<tr>
<th>+</th>
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<td>318.28</td>
<td>GND AT INLET</td>
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<td>320.33</td>
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<td>6.14</td>
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<td>315.58</td>
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<td></td>
<td>13&quot;</td>
<td></td>
<td>312.28</td>
<td>TO Cellar Floor</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td>BM:</td>
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</table>

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA
SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 12-22-87
Assessors' Map: 10D
Address: 98 POOLE RD, LAKE METACOMET
Owner's Name: SUSAN TYLER
Telephone No.: 323-6348
Address: 98 POOLE RD.
Occupant's Name: SAME (if different from above)
Lot Size: 0.13 ac. (6,000 sq. ft.)
Water Frontage (ft.): NONE

Residency: 

seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: 1
Age of system (yrs.): 1949 ±
No. of Total Rooms: 4
No. of Bedrooms: 
No. of Bathrooms: 1

Appliances/Connections: 

dishwasher 

dehumidifier 

washing machine 

sump pump 

garbage-disposal 

roof or pavement drains 

other: 

Basement/foundation type:

- brick or concrete block 

- poured concrete floor 

- dry masonry stone wall 

- concrete slab on grade 

- poured concrete wall 

- piers or pilings 

Well type: SHALLOW ☑

- dug well

- driven-point 

- drilled rock well 

- lake 

- spring or cistern 

- other: 

Depth to well intake from surface (ft.): 

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______  
Under who's name is plan, titled: _______

Plan filed with Board of Health: _______

Sewage disposal system:

- cesspool: _____ concrete block  _____ steel  _____ other _______

- septic tank: _____ volume (gal.)  _____ depth
       _____ length  _____ width
       _____ no. covers  _____ diam. (in.) covers
       _____ tees  _____ baffles
       _____ depth to top tank (ft.)

- distr. box  _____ pump or dosing siphon

- leaching pit: _____ no.  CRUSHED STONE  &  CONC. BLOCKS,  _____ diam (ft.)
       _____ depth (ft.)  _____ cover
       _____ depth to top below grd.

- leaching bed: _____ length (ft.)  _____ width
       _____ avg. depth to top (ft.)
       _____ pipe diam (in.)  _____ pipe type

- leaching trenches: _____ no.
       _____ length (ft.)  _____ width (in.)
       _____ depth (in.)  _____ width (in.)
       _____ avg. depth to top (ft.)
       _____ pipe diam (in.)  _____ pipe type

- reported perc. rate (min./in.)  _____ reported avg. depth to groundwater
       (ft. +) at leach. area

- area remaining for system's replacement

- grey water system  DRY WELL FOR SHOWER & KITCHEN
       SINK  1 COVER.
I.D. No. PC073

Comments on apparent problems: WHEN SEPTIC SYSTEM WAS CONNECTED TO HOUSE NEXT DOOR, ALSO, LEACH PIT DID BREACH AROUND SURFACE.

Date of last septic tank/cesspool pumping: 9-87

Firm who pumps system: _____________________________

Anticipated variances for system replacement:

✓ Own well setback
✓ Neighbor's well(s) setback
✓ Property line(s) setback
✓ Percolation rate-based design
✓ Sideslope requirements
✓ Insufficient available leaching area
✓ Necessary work within 100-year flood plain
✓ Necessary work within 100-foot buffer zone

to: ✓ lake shore ✓ vegetated wetland
     ✓ brook or stream
     ✓ other

Levels:

+ | HI | Elev. |
---|-----|-------|
3.61 | 323.57 | 319.96 |
| | 10.10 | 313.47 |
| | 14.54 | 309.03 |
| | 9.93 | 314.14 |
| | 12.11 | 311.46 |
| | | |
| | | 306.14 | lake level |
| | | |
| | | |
| | | 3.61 | 319.96 | BM: 319.96 |

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ALMER HUNTLEY  JOB #  MIL  86-60
DOES NOT KNOW LOCATION OF WELL

LAND OF PUSHELT

WELL ON THIS LOT IS 100' FROM TYLEN'S S. SYSTEM AND SERVICES PRIO1, PRIO7, PRIO9 AND PRIO0.

LAND OF PINKHAM

SHREWSBURY

LAND OF SHERID

LAND OF BAPRETT

WELL ON THIS LOT IS 100' TO TAYLOR'S SEPT SYSTEM.
Date: 12-17-87
Inspector(s): JEB/JSK
Lot No.: 89

Assessors' Map: 6D
Lot No.: 89

Address: 100 POOLE RD. EXT. LAKE METACOMET
Owner's Name: GERALD J. SHERIDAN Telephone No.: 323-4281

Address: SAME

Occupant's Name: SAME (if different from above)
Lot Size: 0.09 AC (4,000-Sq. Ft.)
Water Frontage (ft.): NONE

Residency: / year-round __ seasonal (if seasonal, estimate number of
weeks per year): ____________________

No. of Occupants: 1
Age of system (yrs.): __________
No. of Total Rooms: 5
No. of Bedrooms: 1
No. of Bathrooms: 1

Appliances/Connections: NO dishwasher NO dehumidifier
NO washing machine NO sump pump
NO garbage disposal NO roof or pavement drains
other: ____________________

Basement/foundation type:
___ brick or concrete block
___ dry masonry stone wall
___ poured concrete wall

Well type:
___ dug well NO lake
___ driven point ___ spring or cistern
___ drilled rock well ___ other: ____________

Depth to well intake from surface (ft.): 40

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ________ Under who's name is plan titled: __________
Plan filed with Board of Health: ________

Sewage disposal system:

<table>
<thead>
<tr>
<th>Item</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cesspool</td>
<td>✓ concrete block</td>
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<tr>
<td>Septic tank</td>
<td>volume (gal.)</td>
</tr>
<tr>
<td></td>
<td>depth</td>
</tr>
<tr>
<td></td>
<td>length</td>
</tr>
<tr>
<td></td>
<td>width</td>
</tr>
<tr>
<td></td>
<td>no. covers</td>
</tr>
<tr>
<td></td>
<td>diam. (in.) covers</td>
</tr>
<tr>
<td></td>
<td>tees</td>
</tr>
<tr>
<td></td>
<td>CESS POOL</td>
</tr>
<tr>
<td></td>
<td>depth to top tank (ft.)</td>
</tr>
<tr>
<td>Distrib. box</td>
<td>pump or dosing siphon</td>
</tr>
<tr>
<td>Leaching pit</td>
<td>no.</td>
</tr>
<tr>
<td></td>
<td>diam (ft.)</td>
</tr>
<tr>
<td></td>
<td>depth (ft.)</td>
</tr>
<tr>
<td></td>
<td>cover</td>
</tr>
<tr>
<td></td>
<td>depth to top below grd.</td>
</tr>
<tr>
<td>Leaching bed</td>
<td>length (ft.)</td>
</tr>
<tr>
<td></td>
<td>width</td>
</tr>
<tr>
<td></td>
<td>avg. depth to top (ft.)</td>
</tr>
<tr>
<td></td>
<td>pipe diam (in.)</td>
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<tr>
<td>Leaching trenches</td>
<td>no.</td>
</tr>
<tr>
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<td>length (ft.)</td>
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<tr>
<td></td>
<td>depth (in.)</td>
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<td></td>
<td>width (in.)</td>
</tr>
<tr>
<td></td>
<td>avg. depth to top (ft.)</td>
</tr>
<tr>
<td></td>
<td>pipe diam (in.)</td>
</tr>
<tr>
<td>Reported perc. rate (min./in.)</td>
<td>reported avg. depth to groundwater (ft.) at leach. area</td>
</tr>
</tbody>
</table>

Area remaining for system's replacement **SAME PLACE**

Grey water system **ALWAYS EAST SIDE AGAINST HOUSE FOR SINK ONLY**
subdrainage: NONE

Comments on apparent problems: WELL WATER IS EXCESSIVE IN IRON

Date of last septic tank/cesspool pumping: 3-4 YEARS
Firm who pumps system: LATOUR

Anticipated variances for system replacement:

- ✓ Own well setback
- ✓ Neighbor's well(s) setback
- NO Property line(s) setback
- NO Percolation rate-based design
- NO Sideslope requirements
- ✓ Insufficient available leaching area
- NO Necessary work within 100-year flood plain
- ✓ Necessary work within 100-foot buffer zone

to: ✓ lake shore ✓ vegetated wetland
    __ brook or stream __ other

Levels:

<table>
<thead>
<tr>
<th>Levels</th>
<th>HI</th>
<th>Elev.</th>
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</thead>
<tbody>
<tr>
<td>3.49</td>
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<td>309.72</td>
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<td>4.78</td>
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<td>4.81</td>
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<td>3.49</td>
<td>306.17</td>
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<td>3.49</td>
<td>309.72</td>
<td></td>
</tr>
</tbody>
</table>

BM: NAIL IN 14" BASSWOOD TREE
BM: OUT 4.0
SILL @ DRY WELL
GND @ DRY WELL
GND @ cesspool
CONCELEN

BM: CLOSEOUT

M3A-6 ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAND OF PULCHELT

SEPTIC TANK

DRY WELL

WELL HOUSE

WELL HOUSE

LAND OF TYLER

LAND OF J. NEVIN

LEACH PIT

S. TANK DRY WELL

LAND OF J. BARRETT

MARSH

CONC. BLK. CESSPOOL

POOLE RD. EXTENSION
### INVENTORY FIELD FORM

**Date:** 12-22-87  
**Inspection(s):** 368/JM1

**Assessors' Map:** 6D  
**Lot No.:** 91  
**Address:** 100 POOLE ROAD  
**Lake Metacomet**  
(Survey Plan by R. Lewis refers to this as #86)

**Owner's Name:** JANENEWIN  
**Telephone No.:** 586-3772  
**Address:** 21 WEST ST., HADLEY

**Occupant's Name:** BETSY FREDRICKE (up) ALEX (down) (if different from above)

**Lot Size:** 3,980 SQ. FT. (O-09-AK)  
**Water Frontage (ft.):** NONE

**Residency:** ✓ year-round  
**seasonal (if seasonal, estimate number of weeks per year):**

**No. of Occupants:** 2 up 2 down  
**Age of system (yrs.):** ORIGINAL 1950's

**No. of Total Rooms:** 4 13  
**No. of Bedrooms:** 2 up 1 down  
**No. of Bathrooms:** 1 up

**Appliances/Connections:**  
✓ dishwasher  
✓ dehumidifier  
✓ washing machine  
✓ sump pump  
✓ garbage disposal  
✓ roof or pavement drains  
✓ other:

**Basement/foundation type:**  
✓ brick or concrete block  
✓ dry masonry stone wall  
✓ poured concrete wall  
✓ poured concrete floor  
✓ concrete slab on grade  
✓ piers or pilings

**Well type:**  
✓ dug well  
✓ driven-point  
✓ lake  
✓ spring or cistern  
✓ drilled rock well  
✓ other:

**Depth to well intake from surface (ft.):** 25-30'

---

**M3A-6**

ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ________ Under who's name is plan titled: ______________________

Plan filed with Board of Health: ________

Sewage disposal system:

- cesspool: _____
- concrete block: _____
- steel: _____
- other: _____

For toilets and downstairs kitchen sink:

- septic tank: _____
  - volume (gal.): __________
  - depth: __________
  - length: __________
  - width: __________
  - no. covers: __________
  - tees: __________
  - depth to top tank (ft.): __________

- distr. box: __________
  - pump or dosing siphon: __________

- leaching pit: __________
  - no.: __________
  - depth (ft.): __________
  - cover: __________
  - depth to top below grd.: __________

- leaching bed: __________
  - length (ft.): __________
  - width: __________
  - avg. depth to top (ft.): __________
  - pipe diam (in.): __________
  - pipe type: __________

- leaching trenches: __________
  - no.: __________
  - length (ft.): __________
  - depth (in.): __________
  - width (in.): __________
  - avg. depth to top (ft.): __________
  - pipe diam (in.): __________
  - pipe type: __________

- reported perc. rate (min./in.): __________
  - reported avg. depth to groundwater (ft.): __________ at leach. area

- area remaining for system's replacement

2 grey water system: dry wells. one handles the upstairs kitchen sink. one handles upstairs - downstairs showers.

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: **NONE**

Date of last septic tank/cesspool pumping: **NEVER**
Firm who pumps system: **NA**

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

To:  
- lake shore
- vegetated wetland
- brook or stream
- other

Levels:

<table>
<thead>
<tr>
<th>+</th>
<th>HI</th>
<th>Elev.</th>
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<td>U.P. # 10</td>
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<td>GND at pit</td>
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<td>GND at drywell # 2</td>
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<td>lake level</td>
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</tr>
<tr>
<td></td>
<td>3.46</td>
<td>319.97</td>
<td>BM: CLOSEOUT</td>
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</tbody>
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M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES  
BELCHERTOWN, MA  
RECOMMENDED SEPTIC SYSTEM ALTERNATIVE  
NO. 37  

INVENTORY FIELD FORM

Date: NOV. 30, 1987  
Inspector(s):  
Assessors' Map: (GD)  
Lot No.: 86-87  
Address: 101 + 107 POOLE ROAD  
LAKE METACOMET  
Owner's Name: PINKHAM + SHREWSBURY  
Telephone No.: 323-4587  

Address: 120 POOLE ROAD  

Occupant's Name: MARK SCHIFFMAN + DIANE  (if different from above)  
Lot Size: 3/4 ACRE  
Water Frontage (ft.): NONE

Residency: ☑ year-round  
seasonal (if seasonal, estimate number of weeks per year):  
No. of Occupants: 2  
Age of system (yrs.): 1950's  
No. of Total Rooms: 5  
No. of Bedrooms: 2  
No. of Bathrooms: 2

Appliances/Connections:  
NO dishwasher  
NO dehumidifier

NO washing machine  
NO sump pump

NO garbage disposal  
NO roof or pavement drains

other:  

Basement/foundation type:  
☑ brick or concrete block  
poured concrete floor

dry masonry stone wall  
concrete slab on grade

poured concrete wall  
piers or pilings

Well type:  
□ dug well  
lake

□ driven point  
spring or cistern

☑ drilled rock well  
other:  

Depth to well intake from surface (ft.): 600  

M3A-6  

ALMER HUNTLEY, JR., & ASSOCIATES, INC.  
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. ____________________
Plan filed with Board of Health: ?
Under who's name is plan titled: ________________

Sewage disposal system:

<table>
<thead>
<tr>
<th>Cesspool</th>
<th>Concrete block</th>
<th>Steel</th>
<th>Other</th>
</tr>
</thead>
</table>

- **Septic tank:**
  - Volume (gal.): ______
  - Length: ______
  - No. covers: ______
  - Tees: ______
  - Depth to top tank (ft.): ______

- **Distributor box:**
  - Pump or dosing siphon: ______

- **Leaching pit:**
  - No.: ______
  - Depth (ft.): ______
  - Depth to top below grade: ______

- **Leaching bed:**
  - Length (ft.): ______
  - Avg. depth to top (ft.): ______
  - Pipe diam (in.): ______

- **Leaching trenches:**
  - No.: ______
  - Depth (in.): ______
  - Avg. depth to top (ft.): ______
  - Pipe diam (in.): ______

- **Reported perc. rate (min./in.):** ______
- **Reported avg. depth to groundwater (ft. +) at leach. area:** ______

**None area remaining for system's replacement**

**None grey water system**

---

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
subdrainage \textit{NONE}

Comments on apparent problems: \textit{NONE}

Date of last septic tank/cesspool pumping: 1985
Firm who pumps system: \textit{HAYWARD}

Anticipated variances for system replacement: \textit{NO RESERVE AREA}

\begin{itemize}
  \item \textit{NO} Own well setback
  \item \textit{✓} Neighbor's well(s) setback
  \item \textit{✓} Property line(s) setback
  \item \textit{NO} Percolation rate-based design
  \item \textit{NO} Sideslope requirements
  \item \textit{✓} Insufficient available leaching area
  \item \textit{NO} Necessary work within 100-year flood plain
  \item \textit{✓} Necessary work within 100-foot buffer zone
\end{itemize}

to: \textit{✓} lake shore \hspace{1cm} \_\_\_ \textit{vegetated wetland}

\_\_\_ \textit{brook or stream} \hspace{1cm} \_\_\_ \textit{other}

Levels:
\begin{tabular}{|c|c|c|c|}
\hline
\textit{+} & \textit{HI} & \textit{-} & \textit{Elev.} \\
\hline
4.36 & 324.32 & 319.96 & \textit{BM: UP\#1 POLE} \\
\hline
5.30 & 319.02 & \textit{SILL AT MIN. OUT} \\
\hline
315.02 & \textit{RUN OUT 4'} \\
\hline
9.19 & 315.13 & \textit{END OF S. TANK} \\
\hline
& & \textit{LAKE ELEV} \\
\hline
& & & \textit{BM: CLOSET OUT} \\
\hline
\end{tabular}
Lot Sketch:

LAKE METACOMET

SEPTIC SYSTEM IS 100' FROM THE WELL AT 103 POOLER RD.

LAND OF LUSSIER
NO WELL
WATER FROM LAKE

LAND OF STEIN

SEPTIC SYSTEM

103-C
WELL

SEPTIC TANK AND LEACH PIT OVER 100' FROM THE LAKE

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS LANDSCAPE ARCHITECTS
INVENTORY FIELD FORM

Date: 1-26-88
Assessors' Map: 6D
Address: 102 POOLE RD.
Owner's Name: WILLIAM PUSHELT

Lot No.: ?
Address: SAME
Lot Size: 0.10 ACRE

Occupant's Name: SAME
Water Frontage (ft.): 80'

Residency: ✓ year-round

No. of Occupants: 2
Age of system (yrs.): 20 yrs.
No. of Total Rooms: 4
No. of Bedrooms: 1
No. of Bathrooms: 1

Appliances/Connections: No dishwasher
No dehumidifier
No washing machine
No sump pump
No garbage disposal
No roof or pavement drains

Basement/foundation type:
brick or concrete block
dry masonry stone wall
poured concrete wall

Well type:
✓ dug well
driven point
drilled rock well

Depth to well intake from surface (ft.): ?

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______  
Under who's name is plan titled: _______

Plan filed with Board of Sewage disposal system:

| ______ cesspool: ____ concrete block ___ steel ___ other ______ |
| ______ septic tank: ____ volume (gal.) ____ depth |
| ____ length ____ width |
| ____ no. covers ____ diam. (in.) covers ____ baffles |
| ____ tees ____ depth to top tank (ft.) |
| ______ distr. box ____ pump or dosing siphon |

| ______ leaching pit: ____ no. ____ diam (ft.) |
| ____ depth (ft.) ____ cover |
| ____ depth to top below grd. |

| ______ leaching bed: ____ length (ft.) ____ width |
| ____ avg. depth to top (ft.) |
| ____ pipe diam (in.) ____ pipe type |

| ______ leaching trenches: ____ no. ____ length (ft.) |
| ____ depth (in.) ____ width (in.) |
| ____ avg. depth to top (ft.) |
| ____ pipe diam (in.) ____ pipe type |

| ______ reported perc. rate (min./in.) ____ reported avg. depth to groundwater (ft. +) at leach. area |

NO area remaining for system's replacement

grey water system _______ NONE _______
Comments on apparent problems: WATER HIGH IN IRON. DON'T DRINK IT.

Date of last septic tank/cesspool pumping: ?
Firm who pumps system: ?

Anticipated variances for system replacement:

☑ Own well setback
☑ Neighbor's well(s) setback
☑ Property line(s) setback
NO Percolation rate-based design
NO Sideslope requirements
☑ Insufficient available leaching area
NO Necessary work within 100-year flood plain
☑ Necessary work within 100-foot buffer zone
to: ☑ lake shore ☐ vegetated wetland
☐ brook or stream ☐ other

Levels:

+ HI Elev. BM: WAIL IN RASWOOD TREE BM NO # 100 POLE RD. EST

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Lot Sketch:

- **LAKE METACOMET**
- **POOLE RD.**
- **LEACH FIELD**
- **SUMMER HOUSE**
- **DRY WELL**
- **WASTE PIPE**
- **WATER LINE**
- **LAND OF PINKHAM**
- **LAND OF TYLER**
- **LAND OF SHERIDAN**

**Note:** Fishel had no information to offer about septic system for summer house.

Water comes from a well point 400' away.

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Date: JULY 25, 1977
Inspector(s): JBE / DMC
Assessors' Map: 103 POOLE RD UPSTAIRS
Lot No.: 92
Address: 103 POOLE RD UPSTAIRS
Owner's Name: JUDY STEIN 549-4070 Telephone No.: 323-4065
Address: 5 BERKSHIRE TERR AMHERST
Occupant's Name: DONNA ELLIS (if different from above)
Lot Size: 0.16 AC. (1,200 SQ. FT.) Water Frontage (ft.): none
Residency: √ year-round __ seasonal (if seasonal, estimate number of weeks per year):
No. of Occupants: 2 Age of system (yrs.): 8 yrs+ since bought
No. of Total Rooms: 5 No. of Bedrooms: 3 No. of Bathrooms: 1
Appliances/Connections: √ dishwasher __ dehumidifier
___ washing machine ___ sump-pump
___ garbage disposal ___ roof-or-pavement drains
___ other: __________
Basement/foundation type:
___ brick or concrete block ___ poured concrete floor
___ dry masonry stone wall ___ concrete slab on grade
___ poured concrete wall ___ piers or pilings
Well type:
___ dug well ___ lake
___ driven point ___ spring or cistern
___ drilled rock well ___ other: __________
Depth to well intake from surface (ft.): 25'
ALDRICH DRILLED WELL 11-30-87
10 GALL/MIN
Prior septic system inspection no. ______ Under who's name is plan titled: ______

Plan filed with Board of Health: ______

Sewage disposal system:

___ cesspool: ___ concrete block ___ steel ___ other ______

✓ septic tank: ___ volume (gal.) ___ depth
___ length ___ width
___ no. covers ___ diam. (in.) covers
___ tees ___ baffles
___ depth to top tank (ft.)

___ distr. box ___ pump or dosing siphon

✓ leaching pit: ___ no. ___ diam (ft.) ___ cover
___ depth (ft.) ___ depth to top below grd.
___ depth to top below grd.

___ leaching bed: ___ length (ft.) ___ width
___ avg. depth to top (ft.)
___ pipe diam (in.) ___ pipe type

___ leaching trenches: ___ no. ___ length (ft.) ___ reported perc. rate (min./in.) ___ reported avg. depth to groundwater
___ depth (in.) ___ width (in.) (ft. +) at leach. area
___ avg. depth to top (ft.)
___ pipe diam (in.) ___ pipe type

___ pipe diam (in.)

ND area remaining for system's replacement

X10 grey water system

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: NO ONE IS SURE OF WHERE THE
BASMENT SHOWER DRAINS INTO. WATER SMELLS LIKE SULFUR
DURING WET SEASON TOILETS DON'T FLUSH & BACK UP INTO PUMP ROOM.

Date of last septic tank/cesspool pumping: LAST SPRING

Firm who pumps system: BASHARD

Tenants say Ray's Excavating pumped system twice last November. Otherwise it gets pumped usually every 6 mos.

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Perculation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

To:
- lake shore
- vegetated wetland
- brook or stream
- other

Levels:

+ HI - Elev. BM:

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<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Level 4</th>
<th>Level 5</th>
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<th>Level 7</th>
<th>Level 8</th>
<th>Level 9</th>
<th>Level 10</th>
</tr>
</thead>
</table>
Lot Sketch:

- 1 tank in front of left window.
- 1 tanks + 1 pit

access thru laundry Francis pit

windows

Garage

Pump

Room
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA
SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 25-07-87
Assessors’ Map: 6D
Lot No.: 22
Address: 103 POOLE ROAD DOWNTOWN
Owner’s Name: JUDY STEIN 509-4076
Address: 5 BERKSHIRE TERR. AMHERST

Occupant’s Name: MARY FRANCIS PLATT
Lot Size: __________
Water Frontage (ft.): __________

Residency: □ year-round □ seasonal (if seasonal, estimate number of weeks per year): __________
No. of Occupants: __________
Age of system (yrs.): __________
No. of Total Rooms: 4
No. of Bedrooms: __________
No. of Bathrooms: __________
Appliances/Connections:
□ dishwasher □ dehumidifier
□ washing-machine □ sump-pump
□ garbage-disposal □ roof or pavement drains
□ other: __________

Basement/foundation type:
□ brick or concrete block
□ dry masonry stone wall
□ poured concrete wall
□ poured concrete floor
□ concrete slab on grade
□ piers or pilings

Well type:
□ dug well □ lake
□ driven point □ spring or cistern
□ drilled rock well □ other: __________

Depth to well intake from surface (ft.): 25' ALDRICH DRILLED WELL 11-30-87
10 GALL/MIN

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. __________

Plan filed with Board of Health: __________

Under who's name is plan titled: __________

Sewage disposal system:

[ ] cesspool: [ ] concrete block [ ] steel [ ] other ______

[ ] septic tank: ______ volume (gal.) ______ depth

________ length ______ width

________ no. covers ______ diam. (in.) covers

______ tees ______ baffles

________ depth to top tank (ft.)

[ ] distr. box [ ] pump or dosing siphon

[ ] leaching pit: ______ no. ______ diam (ft.)

______ depth (ft.) ______ cover

______ depth to top below grd.

[ ] leaching bed: ______ length (ft.) ______ width

______ avg. depth to top (ft.)

______ pipe diam (in.) ______ pipe type

[ ] leaching trenches: ______ no. ______ length (ft.)

________ depth (in.) ______ width (in.)

________ avg. depth to top (ft.)

______ pipe diam (in.) ______ pipe type

[ ] reported perc. rate (min./in.) ______ reported avg. depth to groundwater

(________ ft. +) at leach. area

[ ] NO area remaining for system's replacement

[ ] grey water system ________________________________

____________________

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
subdrainage

Comments on apparent problems:

Date of last septic tank/cesspool pumping: _____________________________
Firm who pumps system: ________________________________________

Anticipated variances for system replacement:

- ___ Own well setback
- ___ Neighbor's well(s) setback
- ___ Property line(s) setback
- ___ Percolation rate-based design
- ___ Sideslope requirements
- ___ Insufficient available leaching area
- ___ Necessary work within 100-year flood plain
- ___ Necessary work within 100-foot buffer zone

To: ___ lake shore ___, vegetated wetland
    ___ brook or stream ___ other ________________________________

Levels:

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<td>1.40</td>
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</tbody>
</table>

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE METACOMM

SEPTIC SYSTEM IS 100' FROM THE WELL AT 103 POOLER RD.

LAND OF LUSSIER
NO WELL
WATER FROM LAKE

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Date: JULY 25, 1988
Assessors' Map: 103C POOLE ROAD
Address: 103C POOLE ROAD
Owner's Name: JUDY STEIN
Address: 5 BERKSHIRE TERR, AMHERST
Occupant's Name: BILL COURTNEY
Lot Size: LESS THAN 1/4 ACRE
Residency: ✓ year-round
No. of Occupants: 1
No. of Total Rooms: 2
No. of Bathrooms: 1
Appliances/Connections: ✓ washing machine
Basement/foundation type: ✓ brick or concrete block
Well type: 2 dug well
Depth to well intake from surface (ft.): 7

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. __________
Plan filed with Board of Health: **NO**
Under who's name is plan titled: ____________________

**Sewage disposal system:**

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<th>concrete block</th>
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<tr>
<td></td>
<td>length</td>
<td>width</td>
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<td></td>
<td>no. covers</td>
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<td></td>
<td>tees</td>
<td>baffles</td>
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<td>depth to top tank (ft.)</td>
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<tr>
<td>distr. box</td>
<td>pump or dosing siphon</td>
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<tr>
<td>leaching pit:</td>
<td>no.</td>
<td>diam (ft.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>depth (ft.)</td>
<td>cover</td>
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</tr>
<tr>
<td></td>
<td>depth to top below grd.</td>
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<td>leaching bed:</td>
<td>length (ft.)</td>
<td>width</td>
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</tr>
<tr>
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<td>avg. depth to top (ft.)</td>
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<td>pipe diam (in.)</td>
<td>pipe type</td>
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<td>reported avg. depth to groundwater (ft +) at leach. area</td>
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area remaining for system's replacement

**NO** grey water system ___________________________________________________________________

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Comments on apparent problems: 
- weed growth, pits in road 
- (root) to growth. Pipe leaking out of basement, out to ground surface for washing machine, don't know if it gets used.

Date of last septic tank/cesspool pumping: Nov. 7, 1986 Karl's

Firm who pumps system: Karl's Excavation

Anticipated variances for system replacement:

- Own well setback
- Neighbor's well(s) setback
- Property line(s) setback
- Percolation rate-based design
- Sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone
to: ![lake shore] [vegetated wetland]
- brook or stream
- other

Levels:

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M3A-6

ALMERY HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA
SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: JULY 25, 1988
Inspector(s): 188/BDC
Assessors' Map: 6B
Lot No.: 83
Address: 105 POOLE RD. LAKE METACOMET
Owner's Name: HARVEY & DENISE Lussier Telephone No.: 323-6030
Address: 105 POOLE RD.

Residency: __ year-round    ✓ seasonal (if seasonal, estimate number of weeks per year): 6 mos.

No. of Occupants: 2
No. of Total Rooms: 3
No. of Bedrooms: 1
No. of Bathrooms: 1

Appliances/Connections:
✓ dishwasher     ___ dehumidifier
___ washing-machine     ___ sump-pump
___ garbage-disposal     ___ roof-of-pavement drains
___ other: ________________________

Basement/foundation type:
✓ brick or concrete block
___ dry masonry stone wall
___ poured concrete wall

Well type:
___ dug well
___ driven point
✓ lake
___ spring or cistern
___ drilled rock well
___ other: ________________________

Depth to well intake from surface (ft.): ______

M3A-6
ALMER HUNTLEY, JR., & ASSOCIATES, INC. SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. __________
Plan filed with Board of Health: __________
Under who's name is plan titled: __________

**Sewage disposal system:**

- **cesspool:**
  - [ ] concrete block
  - [ ] railroad ties
  - [ ] steel
  - [ ] other

- **septic tank:**
  - [ ] volume (gal.)
  - [ ] depth
  - [ ] length
  - [ ] width
  - [ ] no. covers
  - [ ] diam. (in.) covers
  - [ ] tees
  - [ ] diam. (in.) covers
  - [ ] depth to top tank (ft.)
  - [ ] baffles

- **distr. box**
  - [ ] pump or dosing siphon

- **leaching pit:**
  - [ ] no.
  - [ ] diam (ft.)
  - [ ] depth (ft.)
  - [ ] cover
  - [ ] depth to top below grd.

- **leaching bed:**
  - [ ] length (ft.)
  - [ ] width
  - [ ] avg. depth to top (ft.)
  - [ ] pipe diam (in.)

- **leaching trenches:**
  - [ ] no.
  - [ ] length (ft.)
  - [ ] depth (in.)
  - [ ] width (in.)
  - [ ] avg. depth to top (ft.)
  - [ ] pipe diam (in.)

- **reported perc. rate (min./in.)**
- **reported avg. depth to groundwater (ft. +) at leach. area**

- **area remaining for system's replacement**

- **grey water system**
Comments on apparent problems:

- Weeds have been here since Mr. Lucien has been here. He suggests importing Nile pech which are vegetarian to eat the weeds.

Date of last septic tank/cesspool pumping: 25 years ago

Firm who pumps system:

Anticipated variances for system replacement:

- No own well setback
- No neighbor's well(s) setback
- No property line(s) setback
- No percolation rate-based design
- No sideslope requirements
- Insufficient available leaching area
- Necessary work within 100-year flood plain
- Necessary work within 100-foot buffer zone

To: ✓ lake shore  ☐ vegetated wetland  ☐ brook or stream  ☐ other

Levels:

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</table>

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE METACOMET

LAND OF LUSZIER

LAND OF STEIN

WATER FROM THE LAKE

SEPTIC LEACH TANK, PIT

LAND OF DREW

WATER FROM ARTESIAN WELL 300' AWAY

LAND OF PINKHAM

WATER FROM ARTESIAN WELL 300' AWAY

LAND OF ARIEL

WELL

SEPTIC TANK

CESPool

WELL

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
I.D. No. PR109

ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA

SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: 1-19-88

Assessors' Map: G6

Lot No.: 84

Address: 109 POOLE RD LAKE METACOMET

Owner's Name: DENNIS DREW

Telephone No.: 323-7855 (bx)

Address: BAY RD. B'TOWN

Occupant's Name: MARY LIPPMAN / VACANT (if different from above)

Lot Size: 0.10 ACRE (4,550 sq ft.)

Water Frontage (ft.): 65' ±

Residency: ☑ year-round ☐ seasonal (if seasonal, estimate number of weeks per year):

No. of Occupants: ☑ 3/4 ☐ down

Age of system (yrs.): 25 ±

No. of Total Rooms: 4/4

No. of Occupants: 1/2

No. of Bathrooms: 1/1

Appliances/Connections: ☐ NO dishwasher ☐ NO dehumidifier

☐ NO washing machine ☐ NO sump pump

☐ NO garbage disposal ☐ NO roof or pavement drains

☐ NO other:

Basement/foundation type:

☑ brick or ☐ concrete block

☐ dry masonry stone wall

☐ poured concrete wall

☐ poured concrete floor

☐ concrete slab on grade

☐ piers or pilings

Well type:

☐ dug well

☐ lake

☐ driven point

☐ spring or cistern

☐ drilled rock well

☐ other: ________

CHERYL PINKHAM'S
NEW WELL

Depth to well intake from surface (ft.): 600'

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Prior septic system inspection no. _______ Under who's name is plan filed with Board of Health: _______ titled: __________________

Sewage disposal system:

- cesspool: ___ concrete block ___ steel ___ other ______

- septic tank: 1000 volume (gal.) ___ depth
  ___ length ___ width
  ___ 3 no. covers ___ dia. (in.) covers
  ___ tees ___ baffles
  ___ $1/2$ depth to top tank (ft.)

- distr. box ___ pump or dosing siphon

- leaching pit: ___ no. ___ diam (ft.)
  ___ depth (ft.) ___ cover
  ___ depth to top below grd.

- leaching bed: ___ length (ft.) ___ width
  ___ avg. depth to top (ft.)
  ___ pipe diam (in.) ___ pipe type

- leaching trenches: ___ no. ___ length (ft.)
  ___ depth (in.) ___ width (in.)
  ___ avg. depth to top (ft.)
  ___ pipe diam (in.) ___ pipe type

- reported perc. rate (min./in.) ___ reported avg. depth to groundwater (ft. +) at leach. area

NONE area remaining for system's replacement

- grey water system NONE
Comments on apparent problems: 

REPORTED THAT SYSTEM BUCKS UP INTO FIRST FLOOR ART. TOO MANY PEOPLE LIVE IN THE HOUSE PER ORDER OF A WATER RIGHTS AGREEMENT WITH CHERYL PINKHAM

Date of last septic tank/cesspool pumping: 2 YEARS
Firm who pumps system: ?

Anticipated variances for system replacement: NO RESERVE AREA

- NO Own well setback shares well w/ Cheryl Pinkham
- ✓ Neighbor’s well(s) setback
- ✓ Property line(s) setback
- NO Percolation rate-based design
- NO Sideslope requirements
- ✓ Insufficient available leaching area
- ✓ Necessary work within 100-year flood plain
- ✓ Necessary work within 100-foot buffer zone
to: ✓ lake shore ; << vegetated wetland
- brook or stream ■ other

Levels:

+ HI - Elev.

2.33 | 323.33 | 321.00 | BM: UP #1

10.10 | 313.72 | GND @ cesspool in rear of house
12.84 | 310.49 | GND @ cesspool at side of house
17.15 | 306.16 | LAKE LEVEL

- -

- -

- -

- -

- -

- -

2.33 | 321.00 | BM: CLOSEOUT

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
Lot Sketch:

LAKE METACOMET

LAND OF LUSSIER
No well
Water from lake

LAND OF STEIN
SEPTIC SYSTEM
WELL

103-C

LAND OF STEIN

GARAGE
SEPTIC TANK
LEACH PIT

103

101 & 107
LAND OF PINKHAM

WATER FROM WELL
300' AWAY

LAND OF DREW
109
WATER FROM A WELL 300' AWAY

Poole Road

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
ARCADIA AND METACOMET LAKES
BELCHERTOWN, MA
SEPTIC SYSTEMS MANAGEMENT STUDY

INVENTORY FIELD FORM

Date: NOV. 30, 1987  Inspector(s): JBB/JMT
Assessors' Map: 6D  Lot No.: 85
Address: 120 POOLE RD. LAKE METACOMET
Owner's Name: PINKHAM, CHERYL  Telephone No.: 323-4587
Address: SAME
Occupant's Name: SAME  (if different from above)
Lot Size: 0.12 AC (5,500 sq. ft)  Water Frontage (ft.): NONE

Residency: ✓ year-round  seasonal (if seasonal, estimate number of weeks per year): 1920's, UPGRADED IN 1940's
No. of Occupants: 3  Age of system (yrs.): 1
No. of Total Rooms: 6  No. of Bedrooms: 2  No. of Bathrooms: 2

Appliances/Connections: ✓ dishwasher  NO dehumidifier
NO washing machine  NO sump pump
NO garbage disposal  NO roof or pavement drains
NO other:  

Basement/foundation type:
✓ brick or concrete block  NO poured concrete floor
NO dry masonry stone wall  NO concrete slab on grade
NO poured concrete wall  NO piers or pilings

Well type:
NO dug well  ✓ lake
NO driven point  NO spring or cistern
✓ drilled rock well  NO other:  

Depth to well intake from surface (ft.): 600' INTO LIMESTONE.
CHEMICAL CONTAMINATION OF PREVIOUS WELL (26') ATTRIBUTED TO TRUCK WASHING AT BBC.
Prior septic system inspection no. _______ Under who's name is plan
Plan filed with Board of Health: _______ titled: _______________

Sewage disposal system:

- cesspool: _____ concrete block _____ steel _____ other _____

- septic tank: 500+ volume (gal.) METAL _____ depth
  _____ length FROM SEARS _____ width
  _____ no. covers _____ diam. (in.) covers 3'
  _____ tees _____ baffles WOODEN
  1-2'' depth to top tank (ft.)

- distr. box _____ pump or dosing siphon

- leaching pit: 1 no. _____ diam (ft.)
  3-4'' depth (ft.) NEW WOODEN cover
  4'' depth to top below grd. CONCRETE BLOCKS
    ON SLOPE TO BACHELOR BROOK.

- leaching bed: _____ length (ft.) _____ width
  _____ avg. depth to top (ft.)
  _____ pipe diam (in.) _____ pipe type

- leaching trenches: _____ no. _____ length (ft.)
  _____ depth (in.) _____ width (in.)
  _____ avg. depth to top (ft.)
  _____ pipe diam (in.) _____ pipe type

- reported perc. rate (min./in.) \( \frac{1}{2} \) reported avg. depth to groundwater
  (ft. +) at leach. area

- area remaining for system's replacement

**NONE** area remaining for system's replacement

- UNLESS TOWN WATER BROUGHT IN.

- grey water system DRY WELL "SYSTEM" METAL DRUM?
  Filled w/ROCKS?

M3A-6

ALMER HUNTLEY, JR., & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - LANDSCAPE ARCHITECTS
subdrainage gravel around greenhouse foundation only.

Comments on apparent problems: SYSTEM SHORT-CIRCUITS PERIODICALLY.
WELLS CONTAMINATED.
NOTHING WORKS RIGHT!

Date of last septic tank/cesspool pumping: SUMMER 1987
Firm who pumps system: HAYWARD

Anticipated variances for system replacement:

☐ Own well setback
☐ Neighbor's well(s) setback
☐ Property line(s) setback
☐ Percolation rate-based design
☐ Sideslope requirements
☐ Insufficient available leaching area
☐ Necessary work within 100-year flood plain
☐ Necessary work within 100-foot buffer zone

to: ☑ lake shore ________ vegetated wetland
    ☑ brook or stream ________ other ________

Levels:

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<th>-</th>
<th>Elev.</th>
<th>BM:</th>
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<td>324.15</td>
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<td>3.15</td>
<td>321.00</td>
<td>321.00</td>
<td>BM: CLOSE</td>
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</table>
Lot Sketch:

- Land of Drew
- Formerly of Bynes
- This lot is serviced by Pinkham's well.
- The S. system is 100' from well.
- Water comes from a well point 100' away which services PR 120, PR 101, PR 107, PR 109.

120 Pole Rd.
- Porch
- Gas tank
- S. tank
- Leach pit
- Land of Pinkelt
- Land of Tyler
- Land of Sheridan

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