





# COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS DEPARTMENT OF ENVIRONMENTAL PROTECTION

### OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM FORM

	PART A CERTIFICATION
	Property Address: #/ E/S Hill Rd,  Amherst, mass  Owner's Name: Edward Ri marker t  Owner's Address: #/ E/f Hill Rd  Amherst, mass  Date of Inspection: 2-28-04
	Name of Inspector: (please print) Gregory M. MISH Company Name: Gregory M. MISH Mailing Address: Po, Box 165, 33 Middle St, HAdley, MASS. Telephone Number: 413-584-0088
	CERTIFICATION STATEMENT  I certify that I have personally inspected the sewage disposal system at this address and that the information reported below is true, accurate and complete as of the time of the inspection. The inspection was performed based on my training and experience in the proper function and maintenance of on site sewage disposal systems. I am a DEP approved system inspector pursuant to Section 15.340 of Title 5 (310 CMR 15.000). The system:
	Passes Conditionally Passes Needs Further Evaluation by the Local Approving Authority Fails  Inspector's Signature:    March   March
	The system inspector shall submit a copy of this inspection report to the Approving Authority (Board of Health or DEP) within 30 days of completing this inspection. If the system is a shared system or has a design flow of 10,000 gpd or greater, the inspector and the system owner shall submit the report to the appropriate regional office of the DEP. The original should be sent to the system owner and copies sent to the buyer, if applicable, and the approving authority.
	Notes and Comments Owner provided good records, system soils appear to be in excellent shape, well
4	****This report only describes conditions at the time of inspection and under the conditions of use at that
	time. This inspection does not address how the system will perform in the future under the same or different

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		(*)			



# THE COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION BE IT KNOWN THAT

#### Gregory Mish

Has satisfied the Department's qualifications as required and is hereby authorized to use the title

#### **CERTIFIED TITLE 5 SYSTEM INSPECTOR**

as provided in 310 CMR 15.340 and Section 13 of Chapter 21A of the General Laws. Issued by The Department of Environmental Protection.

March 16, 1995

Acting Director of the Division of Water Pollution Control

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#### CERTIFICATION (continued)

Property Address: #/ E/S Hill Rd		
Property Address: #/ E/S H,// Rd  Am herst mass.  Owner: \( \frac{1}{2} \text{ ward } \frac{1}{2} \text{ marker } \text{ marker }  marke	*	
Date of Inspection: \$-28-64		
Inspection Summary: Check A,B,C,D or E / <u>ALWAYS</u> complete all of Section D		
A. System Passes:		
I have not found any information which indicates that any of the failure criteria de 15.303 or in 310 CMR 15.304 exist. Any failure criteria not evaluated are indicated below	escribed in 310 w.	CMR
Comments:  545 tem well built, good local	50,15,	slope
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B. System Conditionally Passes:		
One or more system components as described in the "Conditional Pass" section n repaired. The system, upon completion of the replacement or repair, as approved by the I		
Answer yes, no or not determined (Y,N,ND) in the for the following statements. If explain.	"not determine	ed" please
The septic tank is metal and over 20 years old* or the septic tank (whether metal of unsound, exhibits substantial infiltration or exfiltration or tank failure is imminent. System existing tank is replaced with a complying septic tank as approved by the Board of Health *A metal septic tank will pass inspection if it is structurally sound, not leaking and if a C indicating that the tank is less than 20 years old is available.	m will pass ins h.	spection if the
ND explain:	*	
Observation of sewage backup or break out or high static water level in the distribution obstructed pipe(s) or due to a broken, settled or uneven distribution box. System will pass approval of Board of Health):		
broken pipe(s) are replaced	76	
obstruction is removed		
distribution box is leveled or replaced	9	100
ND explain:		-
The system required pumping more than 4 times a year due to broken or obstructed pass inspection if (with approval of the Board of Health):	ed pipe(s). The	system will
broken pipe(s) are replaced obstruction is removed	*	
ND explain:		· w

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CERTIFICATION (continued)

wner: Edward R. marker + ate of Inspection: 8-28-04  Further Evaluation is Required by the Board of Health:		
Further Evaluation is Required by the Board of Health:		
and the second s		
Conditions exist which require further evaluation by the Board of Health in of failing to protect public health, safety or the environment.	order to determine if	the system
<ol> <li>System will pass unless Board of Health determines in accordance with a system is not functioning in a manner which will protect public health, s</li> </ol>		
Cesspool or privy is within 50 feet of a surface water Cesspool or privy is within 50 feet of a bordering vegetated wetland or	a salt marsh	ets.
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<ol> <li>System will fail unless the Board of Health (and Public Water Supplier, system is functioning in a manner that protects the public health, safety and</li> <li>The system has a septic tank and soil absorption system (SAS) and the Surface water supply or tributary to a surface water supply.</li> </ol>	environment:	
The system has a septic tank and SAS and the SAS is within a Zone 1 or	f a public water supp	oly.
The system has a septic tank and SAS and the SAS is within 50 feet of a	a private water supply	y well.
The system has a septic tank and SAS and the SAS is less than 100 feet private water supply well**. Method used to determine distance	but 50 feet or more f	from a
**This system passes if the well water analysis, performed at a DEP certified bacteria and volatile organic compounds indicates that the well is free from p the presence of ammonia nitrogen and nitrate nitrogen is equal to or less than failure criteria are triggered. A copy of the analysis must be attached to this f	oollution from that factor 5 ppm, provided that	cility and
	* 4	

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CERTIFICATION (continued)

Property Address: #1 FIF HILL Rd. Amherst mass,
Owner: Ed ward R. Marker + Date of Inspection: 8-28-04
D. System Failure Criteria applicable to all systems: You must indicate "yes" or "no" to each of the following for all inspections:
Yes No  X Backup of sewage into facility or system component due to overloaded or clogged SAS or cesspool Discharge or ponding of effluent to the surface of the ground or surface waters due to an overloaded or clogged SAS or cesspool Static liquid level in the distribution box above outlet invert due to an overloaded or clogged SAS or cesspool Liquid depth in cesspool is less than 6" below invert or available volume is less than ½ day flow Required pumping more than 4 times in the last year NOT due to clogged or obstructed pipe(s). Number of times pumped Any portion of the SAS, cesspool or privy is below high ground water elevation. Any portion of cesspool or privy is within 100 feet of a surface water supply or tributary to a surface water supply. Any portion of a cesspool or privy is within a Zone 1 of a public well. Any portion of a cesspool or privy is less than 100 feet but greater than 50 feet from a private water supply well with no acceptable water quality analysis. [This system passes if the well water analysis, performed at a DEP certified laboratory, for coliform bacteria and volatile organic compounds indicates that the well is free from pollution from that facility and the presence of ammonia nitrogen and nitrate nitrogen is equal to or less than 5 ppm, provided that no other failure criteria are triggered. A copy of the analysis must be attached to this form.]
(Yes/No) The system fails. I have determined that one or more of the above failure criteria exist as described in 310 CMR 15.303, therefore the system fails. The system owner should contact the Board of Health to determine what will be necessary to correct the failure.
E. Large Systems: To be considered a large system the system must serve a facility with a design flow of 10,000 gpd to 15,000 gpd.  You must indicate either "yes" or "no" to each of the following: (The following criteria apply to large systems in addition to the criteria above)
yes no the system is within 400 feet of a surface drinking water supply
the system is within 200 feet of a tributary to a surface drinking water supply
the system is located in a nitrogen sensitive area (Interim Wellhead Protection Area – IWPA) or a mapped Zone II of a public water supply well

If you have answered "yes" to any question in Section E the system is considered a significant threat, or answered "yes" in Section D above the large system has failed. The owner or operator of any large system considered a significant threat under Section E or failed under Section D shall upgrade the system in accordance with 310 CMR 15.304. The system owner should contact the appropriate regional office of the Department.

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Property Address:	F/T	H, [[	KN
	herst	mA:	55,

Owner: Edward R. Marker T Date of Inspection: 8-28-04
Check if the following have been done. You must indicate "yes" or "no" as to each of the following:
Yes No Pumping information was provided by the owner, occupant, or Board of Health
Were any of the system components pumped out in the previous two weeks?
Has the system received normal flows in the previous two week period?
K Have large volumes of water been introduced to the system recently or as part of this inspection?
Were as built plans of the system obtained and examined? (If they were not available note as N/A)
<u>★</u> Was the facility or dwelling inspected for signs of sewage back up?
Was the site inspected for signs of break out?
Were all system components, excluding the SAS, located on site ?
Were the septic tank manholes uncovered, opened, and the interior of the tank inspected for the condition of the baffles or tees, material of construction, dimensions, depth of liquid, depth of sludge and depth of scum?
<u>K</u> Was the facility owner (and occupants if different from owner) provided with information on the proper maintenance of subsurface sewage disposal systems?
The size and location of the Soil Absorption System (SAS) on the site has been determined based on:
Yes no  Existing information. For example, a plan at the Board of Health.  Observe  Determined in the field (if any of the failure criteria related to Part C is at issue approximation of distance
is unacceptable) [310 CMR 15.302(3)(b)]

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#### SYSTEM INFORMATION

Property Address: E & Hill Rd
Amherst MASS.
Owner: Edward R. MARKET
Date of Inspection: 8-28-04
FLOW CONDITIONS
RESIDENTIAL
Number of bedrooms (design): 3 Number of bedrooms (actual): 3
DESIGN flow based on 310 CMR 15.203 (for example: 110 gpd x # of bedrooms): 330
Number of current residents: /
Does residence have a garbage grinder (yes of no).
Is laundry on a separate sewage system (yes or no): [if yes separate inspection required]
Laundry system inspected (yes or no):
Seasonal use: (yes of no):
Water meter readings, if available (last 2 years usage (gpd)):
Sump pump (yes or no):
Last date of occupancy: CurrenT
COMMERCIAL/INDUSTRIAL
Type of establishment:  Design flow (based on 310 CMR 15.203):gpd
Basis of design flow (seats/persons/sqft,etc.):
Grease trap present (yes or no):
Industrial waste holding tank present (yes or no):
Non-sanitary waste discharged to the Title 5 system (yes or no):
Water meter readings, if available:
Last date of occupancy/use:
OTHER (describe):
GENERAL INFORMATION
Pumping Records
Source of information: Owner
Was system pumped as part of the inspection (yes or no):
If yes, volume pumped: gallons How was quantity pumped determined?
Reason for pumping:
TYPE OF SYSTEM
K Septic tank, distribution box, soil absorption system
Single cesspool
Overflow cesspool
Privy
Shared system (yes or no) (if yes, attach previous inspection records, if any)
Innovative/Alternative technology. Attach a copy of the current operation and maintenance contract (to be
obtained from system owner)
Tight tank Attach a copy of the DEP approval
01 (1 - 1)
Other (describe):
Approximate age of all components, date installed (if known) and source of information:
APPROX. 26 years
Were sewage odors detected when arriving at the site (yes or no) _WO

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Property Address: #/ E/S H, // Rd	
Owner: Fd ward R. Marker T Date of Inspection: 8-28-04	
BUILDING SEWER (locate on site plan)	
Depth below grade:	
SEPTIC TANK: (locate on site plan)	
Depth below grade:	e e
If tank is metal list age: Is age confirmed by a Certificate of Compliance (yes or no): (atta	ach a copy of
Dimensions: 10' × 5' 6" × 6' Sludge depth: 3"	11
Distance from top of sludge to bottom of outlet tee or baffle: 3/"	· ·
Scum thickness: 4"	
Distance from top of scum to top of outlet tee or baffle: 4"	
Distance from bottom of scum to bottom of outlet tee or baffle: //*	- lan 6.
Distance from bottom of scum to bottom of outlet tee or baffle: //* How were dimensions determined: Observation w/ copy of Comments (on pumping recommendations, inlet and outlet tee or baffle condition, structural integr	Pian of own
comments (on pumping recommendations, inlet and outlet tee or baffle condition, structural integral as related to outlet invert, evidence of leakage, etc.):	ity, liquid levels
All components on TANIO O.K., /	round levele
OK, NO evidence of leakage	14074
CDT-CDTD-CD	
GREASE TRAP:(locate on site plan)	
Depth below grade:	*
Material of construction: concrete metal fiberglass polyethylene other	
(explain):	* .
Dimensions:	
Scum thickness:	6
Distance from top of scum to top of outlet tee or baffle:	
Distance from bottom of scum to bottom of outlet tee or baffle:	(4)
Date of last pumping:	
Comments (on pumping recommendations, inlet and outlet tee or baffle condition, structural integral as related to outlet invert, evidence of leakage, etc.):	ity, liquid levels

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Property Address: # Eff H,    RJ	
Hmhtrs F INH.	
Owner: Edward R. MarkerT	
Date of Inspection: 8-28-04	* 182
TIGHT or HOLDING TANK: (tank must be pumped at time of inspection)(locate on	site plan)
	P)
Depth below grade:	
Material of construction:concretemetalfiberglasspolyethyleneothe	r(explain):
	(C.P.==).
Dimensions:	
Capacity: gallons	w.
Design Flow: gallons/day	
Alarm present (yes or no):	
Alarm level: Alarm in working order (yes or no):	*
Date of last pumping:	
Comments (condition of alarm and float switches, etc.):	*
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V 4//	1 1 - 0 +
DISTRIBUTION BOX: K (if present must be opened)(locate on site plan)	Levels OIK.
TO AL	LLESS
Depth of liquid level above outlet invert: W/A	
Comments (note if box is level and distribution to outlets equal, any evidence of solids carryo	ver, any evidence of
leakage into or out of box, etc.):	1140
leakage into or out of box, etc.): None  Top of 'D' box cover chipped  Covered, to be replaced before	When on:
covered, to be replaced before	SOIT PEPLACEC
PUMP CHAMBER: (locate on site plan)	
CHAMBER (locate on site plan)	
Pumps in working order (yes or no):	
Alarms in working order (yes or no):	
Comments (note condition of pump chamber, condition of pumps and appurtenances, etc.):	
Comments (note condition of pump chamber, condition of pumps and appurchances, etc.).	**

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Property Address: #/ E/S Hill IPd  Am herst mass  Owner: Edward IP. Markert	R
Am herest mass	
Owner: Edward B. Markert	
Date of Inspection: 8-28-04	
Date of Inspection.	
SOIL ABSORPTION SYSTEM (SAS): X (locate on site plan, excavation no	ot required by a contract of the contract of t
observe from D-Box, 5 Lines	nederence of t
Observed grant Son , 5 Emes	as hoult
If SAS not located explain why:	AS 60111
If SAS not located explain wily.	
	(4)
Type	*
leaching pits, number:	
leaching chambers, number:	
In this called a sumban	*
leaching fields, number, length: 5 / Ines Approx. 40'   leaching fields, number, dimensions:	
leaching fields number dimensions.	
leaching fields, number, dimensions.	·
overflow cesspool, number:	
innovative/alternative system Type/name of technology:	
Comments (note condition of soil, signs of hydraulic failure, level of ponding, damp	p soil, condition of vegetation,
etc.):	
	(Mr)
	*,
CESSPOOLS: (cesspool must be pumped as part of inspection)(locate on site	e plan)
Number and configuration:	
Number and configuration:  Depth – top of liquid to inlet invert:	
Depth of solids layer:	
Depth of scum layer:	
Dimensions of cesspool:	
Materials of construction:	
Indication of groundwater inflow (yes or no):	•
Comments (note condition of soil, signs of hydraulic failure, level of ponding, cond	ition of vegetation etc.):
comments (note condition of son, signs of ny manner, tarter of postering, cond	anon or vogetation, etc.).
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PRIVY: (locate on site plan)	
TRIVI: (locate oil site plan)	
Managed and a second se	
Materials of construction:	
Dimensions:	
Depth of solids:	
Comments (note condition of soil, signs of hydraulic failure, level of ponding, cond	ition of vegetation, etc.):

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SYSTEM INFORMATION (continued)

Property	Address:	#/ E/	f 14,	11 1	28
		Amh	erst,	avke	ASS
Date of In	nspection:	8-28	-04		

#### SKETCH OF SEWAGE DISPOSAL SYSTEM

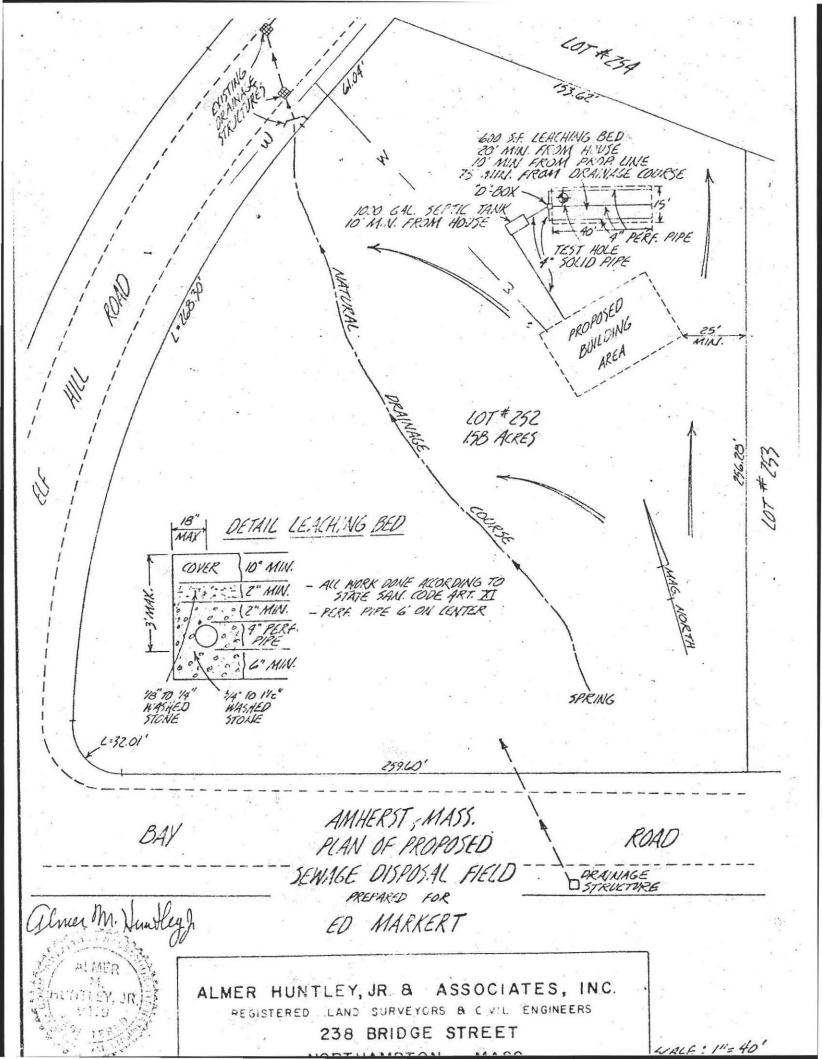
Provide a sketch of the sewage disposal system including ties to at least two permanent reference landmarks or benchmarks. Locate all wells within 100 feet. Locate where public water supply enters the building.

see copy of as built as provided by owner, confirmed by site inspection 8.28.04 w/ owner, components uncovered AND observed all madeh as built

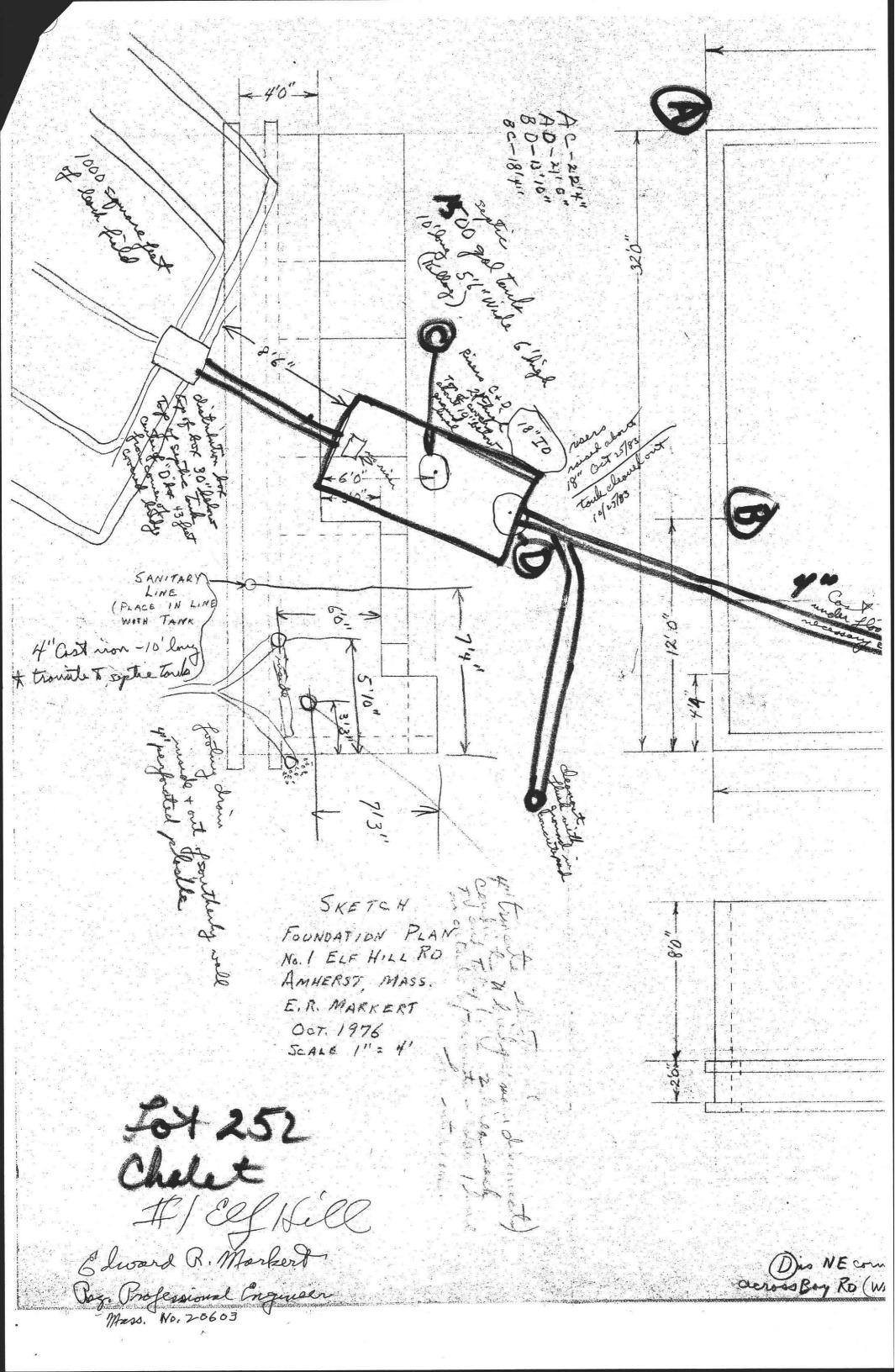
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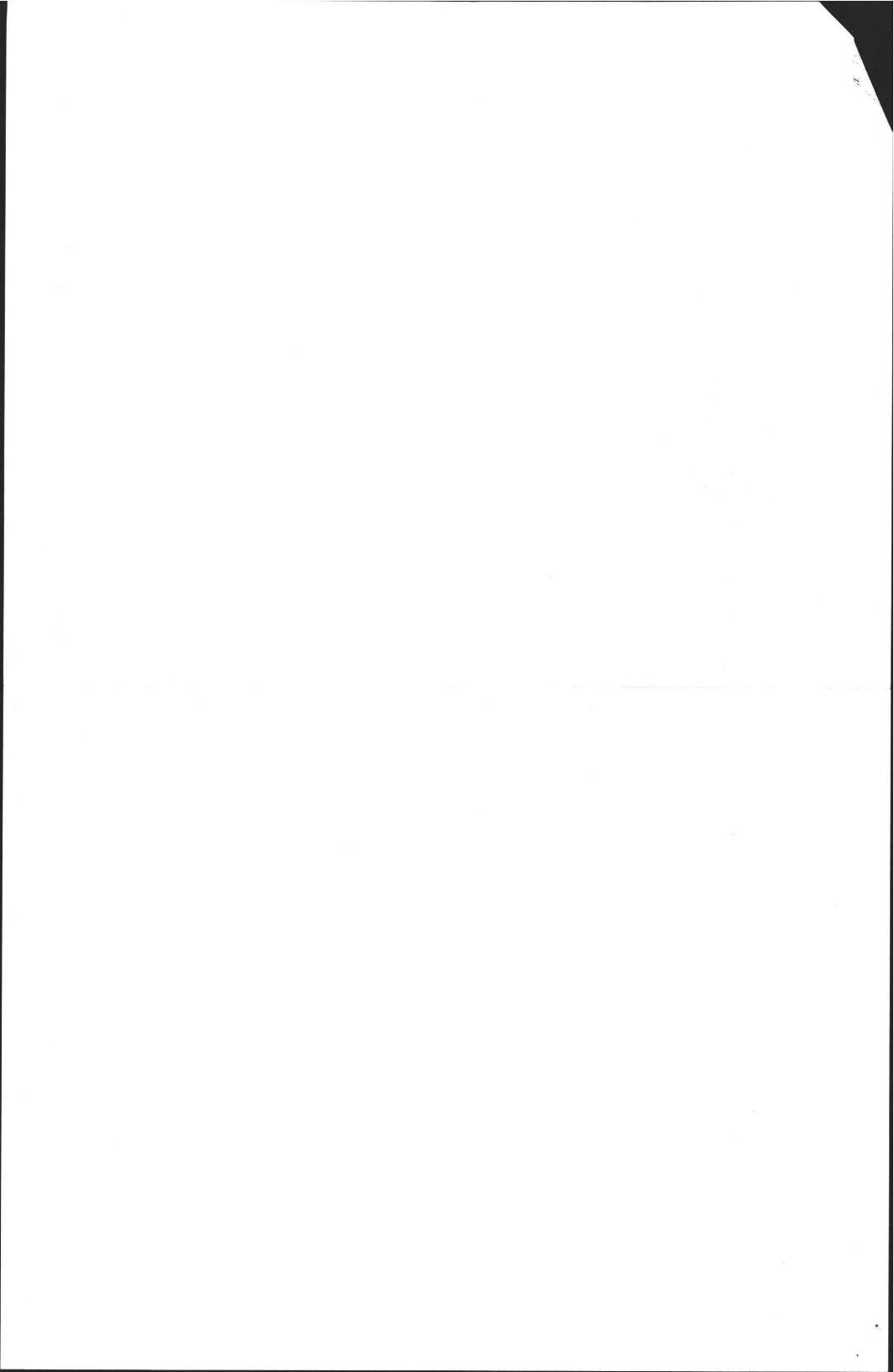
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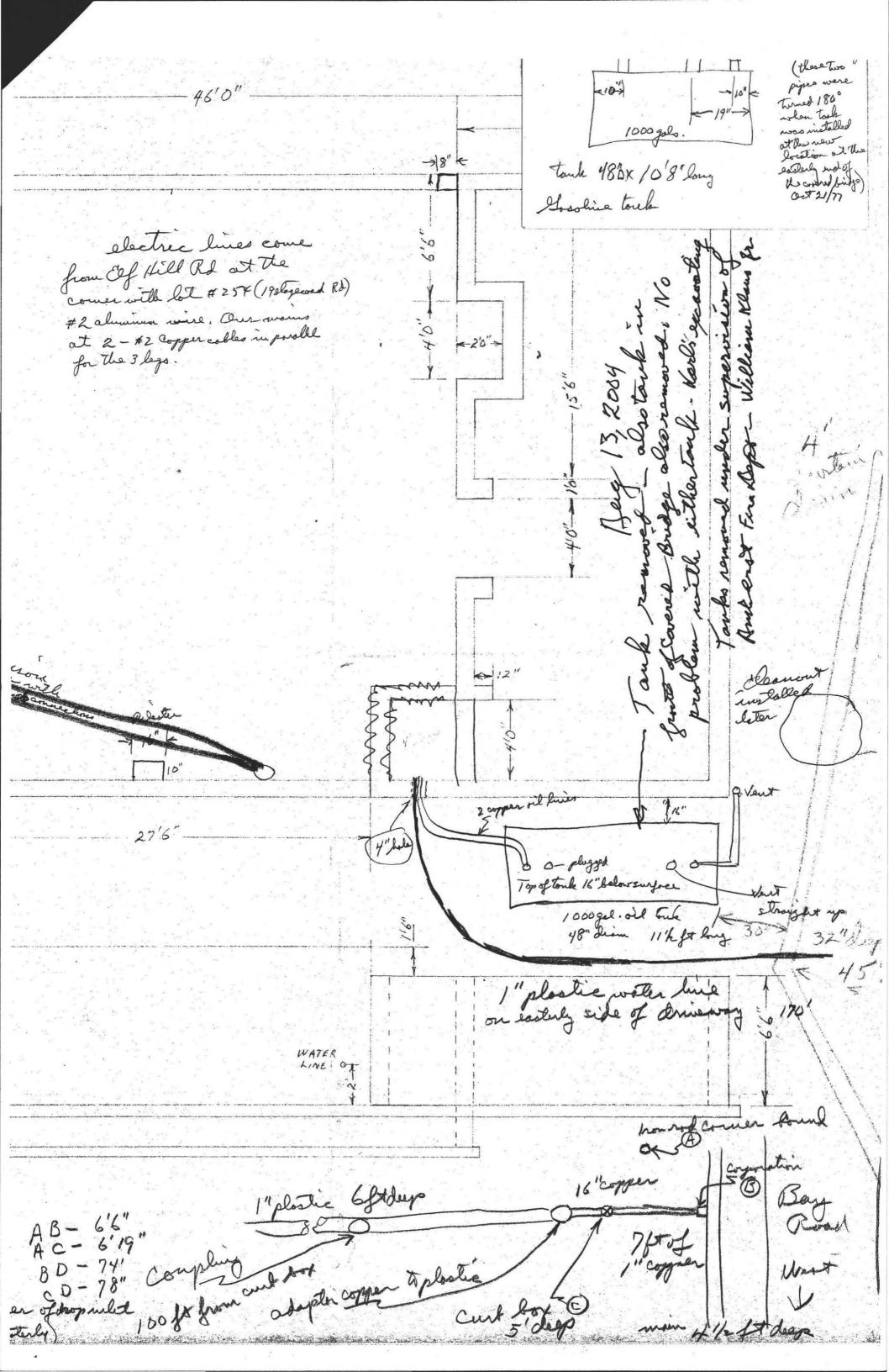
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	Ø	locate Tonk 150	all compositions	forents	Approx	976-78
	084/450104	Ex pose	tank y baffle	covers		.IC. CONST.
	P		- Papos Chec			!ν
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