

385 Shay St
CORA MARRETT



No. 01-09

FEE _____

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, MA.

APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT

Application for a Permit to Construct () Repair () Upgrade () Abandon () - Complete System Individual Component



Location <u>385 Shays St</u>	Owner's Name <u>Cora Marrett</u>
Map/Parcel#	Address <u>385 Shays St.</u>
Lot#	Telephone# <u>(253-8941)</u> <small>110 Bets, Eagon, Jones RE. 519-3700</small>
Installer's Name <u>J.C. Company</u>	Designer's Name <u>A. Weiss, P.S.</u>
Address <u>75 Dometoy Febrary</u>	Address <u>Belchertown, MA.</u>
Telephone# <u>527 5232</u>	Telephone# <u>413-323-5957</u>

Type of Building BOS Lot Size 85,300⁺ sq. ft.
 Dwelling - No. of Bedrooms 4 Garbage grinder ()
 Other - Type of Building _____ No. of persons _____ Showers () , Cafeteria ()
 Other Fixtures _____
 Design Flow (min. required) 440 gpd Calculated design flow 444 Design flow provided 444 gpd
 Plan: Date 7/30/01 Number of sheets 4 Revision Date _____
 Title SEPTIC SYSTEM REPAIR PLAN
 Description of Soil(s) CROSSI! L. SAND
 Soil Evaluator Form No. _____ Name of Soil Evaluator A. Weiss Date of Evaluation 7/26/01

DESCRIPTION OF REPAIRS OR ALTERATIONS New L. Field + S. Tank.
 (NOTE: TOWN SEWER 1000 FT TO SOUTH. TOWN: WON'T RUN LINE UPON INQUIRY)

The undersigned agrees to install the above described Individual Sewage Disposal System in accordance with the provisions of TITLE 5 and further agrees to not to place the system in operation until a Certificate of Compliance has been issued by the Board of Health.

Signed [Signature] Date 7/30/01

Inspections _____

No. 01-09

FEE _____

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, MA.

CERTIFICATE OF COMPLIANCE

Description of Work: Individual Component(s) Complete System

The undersigned hereby certify that the Sewage Disposal System; Constructed () , Repaired () , Upgraded () , Abandoned ()

by: _____ at 385 Shays Street

has been installed in accordance with the provisions of 310 CMR 15.00 (Title 5) and the approved design plans/as-built plans relating to application No. 01-09, dated _____, Approved Design Flow _____ (gpd)

Installer [Signature] Designer: [Signature] Inspector: [Signature] Date: 8/15/01

The issuance of this permit shall not be construed as a guarantee that the system will function as designed.

No. 01-09

FEE _____

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, MA.

DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permission is hereby granted to; Construct () Repair () Upgrade () Abandon () an individual sewage disposal system at 385 Shays Street as described in the application for Disposal System Construction Permit No. 01-09, dated 07-30-01

Provided: Construction shall be completed within three years of the date of this permit. All local conditions must be met.

Form 1255 Rev. 5/96 A.M. Sulkin Co. Boston, MA Date 7/30/01 Board of Health [Signature]

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ALAN E. WEISS, M.S., L.S.P.

Licensed Site Professional

Registered Sanitarian

Hydrogeologist

President

•Subsurface Investigations

•21E Site Investigations

•Pollution Remediation

•Percolation Tests and

Septic Designs

350 Old Enfield Rd.
Belchertown, MA 01007
(413) 323-5957 & 323-4916 (FAX)

Date: 7/26/01

Commonwealth of Massachusetts
Amherst, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: A. Weiss

Witnessed By: D. ZAROKINSKI

Date: 7/26/01

Location Address or Lot # 385 Shays St.	Owner's Name, Address, and Telephone # Cora Morrett 385 Shays St. Amherst, MA.
New Construction <input type="checkbox"/> Repair <input checked="" type="checkbox"/>	

Office Review

Published Soil Survey Available: No Yes

Year Published 1987 Publication Scale 1:15,000

Drainage Class MODERATE/RAPID Soil Limitations N/A

Soil Map Unit ~~THO~~ Cre

Surficial Geologic Report Available: No Yes

Year Published Publication Scale

Geologic Material (Map Unit)

Landform

Flood Insurance Rate Map:

Above 500 year flood boundary No Yes

Within 500 year flood boundary No Yes

Within 100 year flood boundary No Yes

Wetland Area:

National Wetland Inventory Map (map unit)

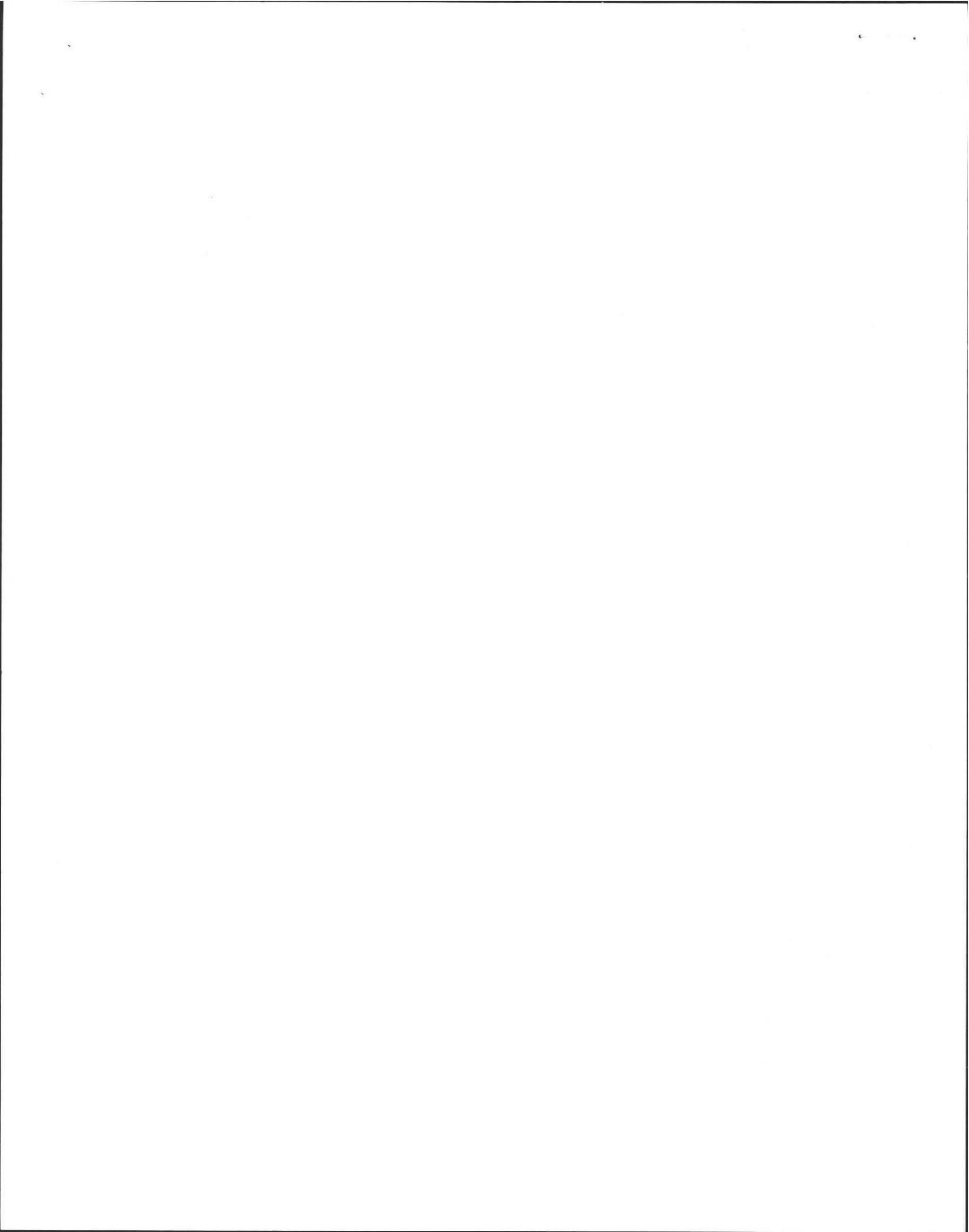
Wetlands Conservancy Program Map (map unit)

Current Water Resource Conditions (USGS): Month

Range : Above Normal Normal Below Normal

Other References Reviewed:





Location Address or Lot No. 385 Shays St.

On-site Review

Deep Hole Number TP-1 Date: 7/26/01 Time: 9:00 Weather clouds 70°

Location (identify on site plan) _____

Land Use Rural Res Slope (%) 2-4 Surface Stones _____

Vegetation grass

Landform terrace

Position on landscape (sketch on the back) _____

Distances from:
 Open Water Body 100'+ feet Drainage way 100'+ feet
 Possible Wet Area 100'+ feet Property Line 40' feet
 Drinking Water Well 100'+ feet Other _____

DEEP OBSERVATION HOLE LOG*

P-1

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-6"	A	FSL	10YR3/2		Frable
6-20"	Bw	SL	10YR4/4		Frable
20"-76"	C ₁	LS	2.5Y5/6	2.5Y5/2 10YR5/4	MOD. Settd, MOD. DENSE F.M. SAND, 100% Angular cobbles 15FPS. <i>messue</i>
76"-110"	C ₂	FSL	2.5Y5/3	76"	DENSE F. SAND & G. TILL. <i>silty</i>
0-6"	A	FSL	10YR3/2		Frable
6-20"	Bw	FSL	10YR4/4	10YR5/6	Frable
20"-78"	C ₁	LS	2.5Y5/6	2.5Y5/3	MOD. DENSE F.M. SAND <i>messue</i>
78"-110"	C ₂	FSL	2.5Y5/3	78"	100% Angular cobbles & stones DENSE F. SAND & SILTY TILL.

P-2

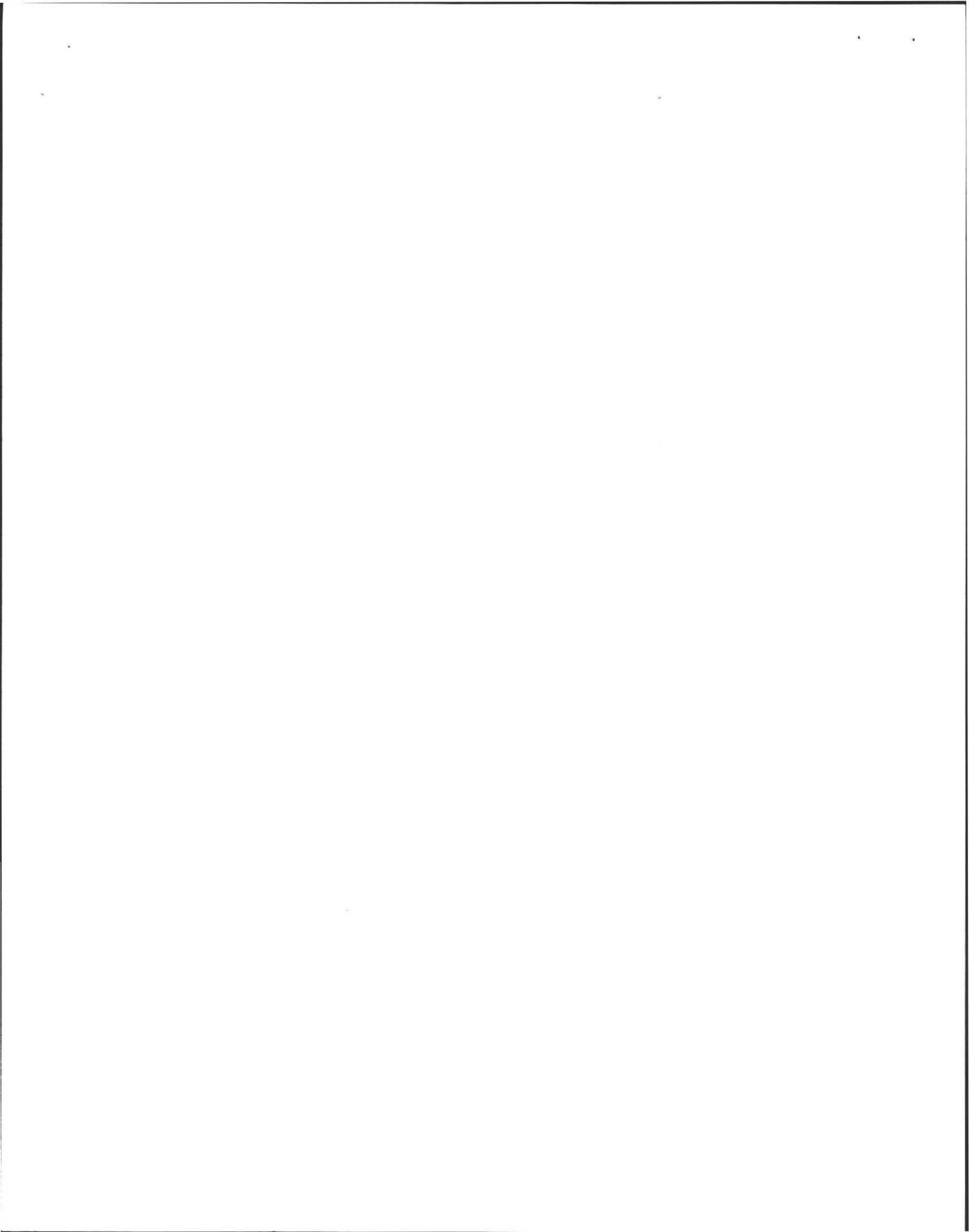
* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) Abletill + Depth to Bedrock: 110' +
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: _____
 Estimated Seasonal High Ground Water: 76"



TP-3

0-6" - A FSL (out back) - Very sloping / (Very difficult access to build)
 6-20" - Bw FSL
 20"-10" - C₁ L



Location Address or Lot No. 385 Shays ST.

COMMONWEALTH OF MASSACHUSETTS

Amherst, Massachusetts

Percolation Test*		
Date:	<u>7/26/01</u>	Time: <u>8:30</u>
Observation Hole #	<u>P1</u>	↓
Depth of Perc	<u>43"</u>	↓
Start Pre-soak	<u>8:47</u>	<u>WAIVED</u>
End Pre-soak	<u>9:02</u>	<u>BT</u>
Time at 12"	<u>9:02</u>	<u>BT</u>
Time at 9"	<u>9:18</u>	↓
Time at 6"	<u>9:41</u>	
Time (9"-6")	<u>23 min</u>	
Rate Min./Inch	<u>8 min/IN</u>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

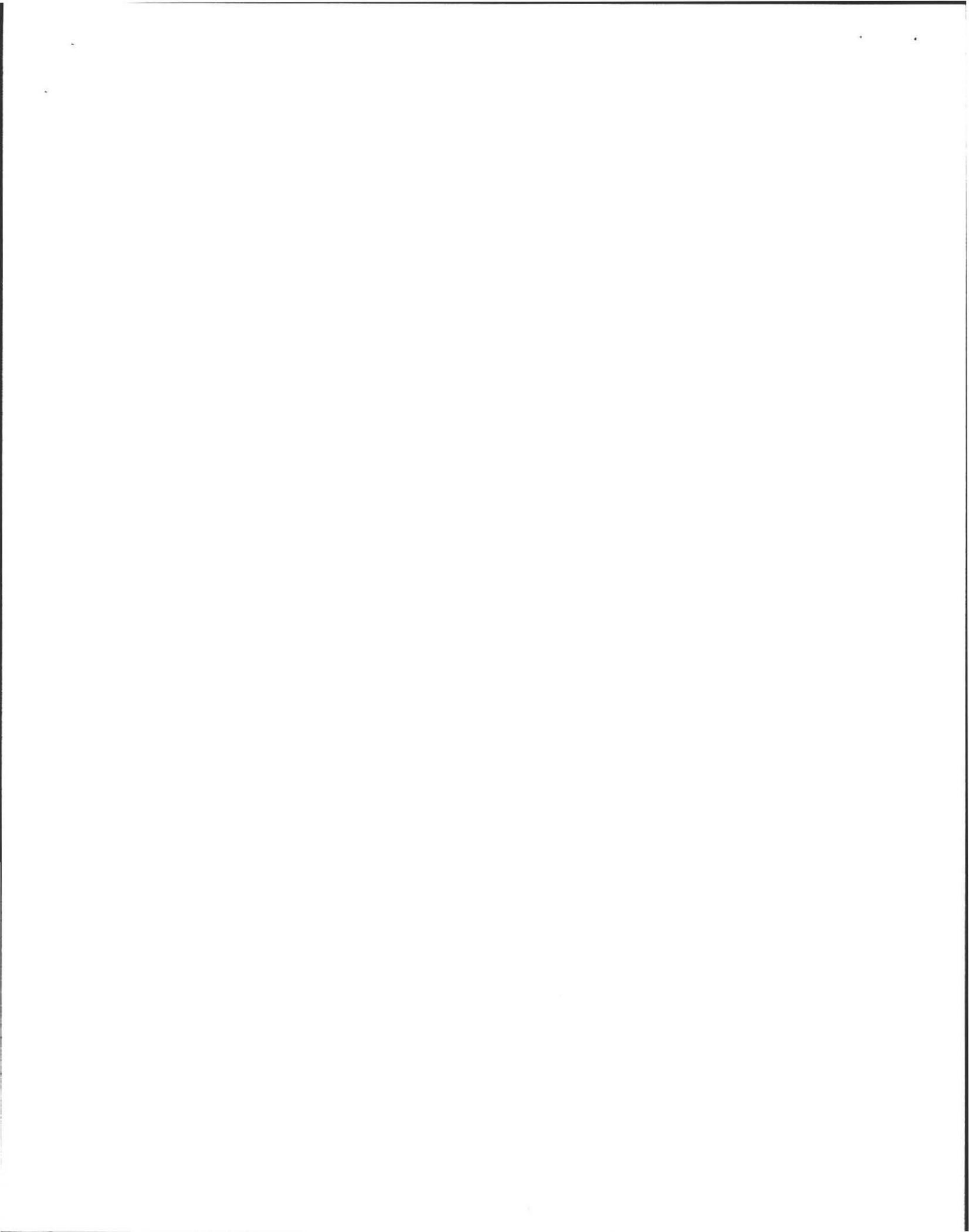
Site Passed Site Failed

Performed By: Alweis

Witnessed By: D. LARACZSKI

Comments: Replumb Basement





Location Address or Lot No. 385 Shays St.

Determination for Seasonal High Water Table

Method Used:

- Depth observed standing in observation hole inches
- Depth weeping from side of observation hole inches
- Depth to soil mottles 76-78" inches
- Ground water adjustment feet

Index Well Number Reading Date Index well level

Adjustment factor Adjusted ground water level

Depth of Naturally Occurring Pervious Material

Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil absorption system? yes

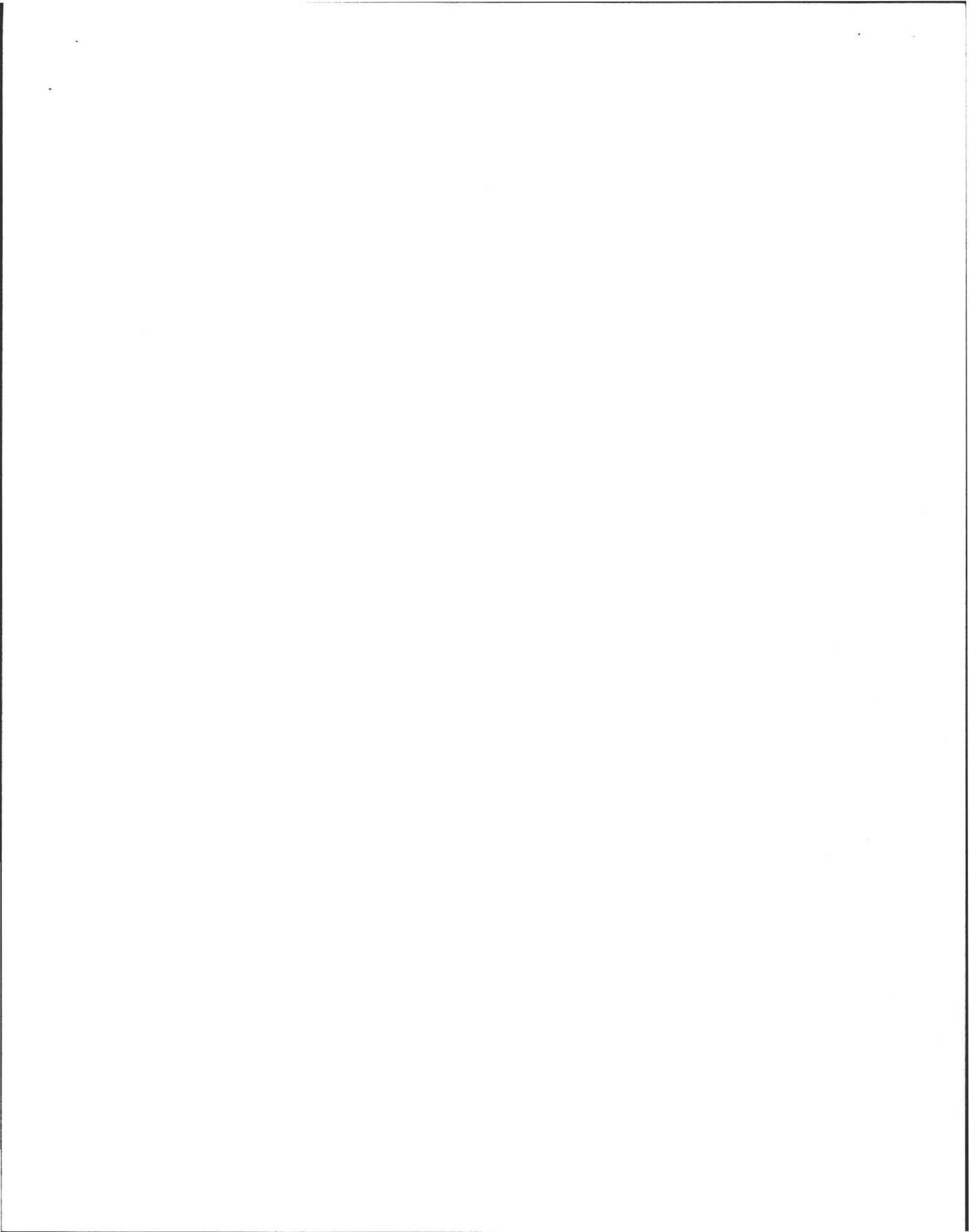
If not, what is the depth of naturally occurring pervious material? _____

Certification

I certify that on June 95 (date) I have passed the soil evaluator examination approved by the Department of Environmental Protection and that the above analysis was performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017.

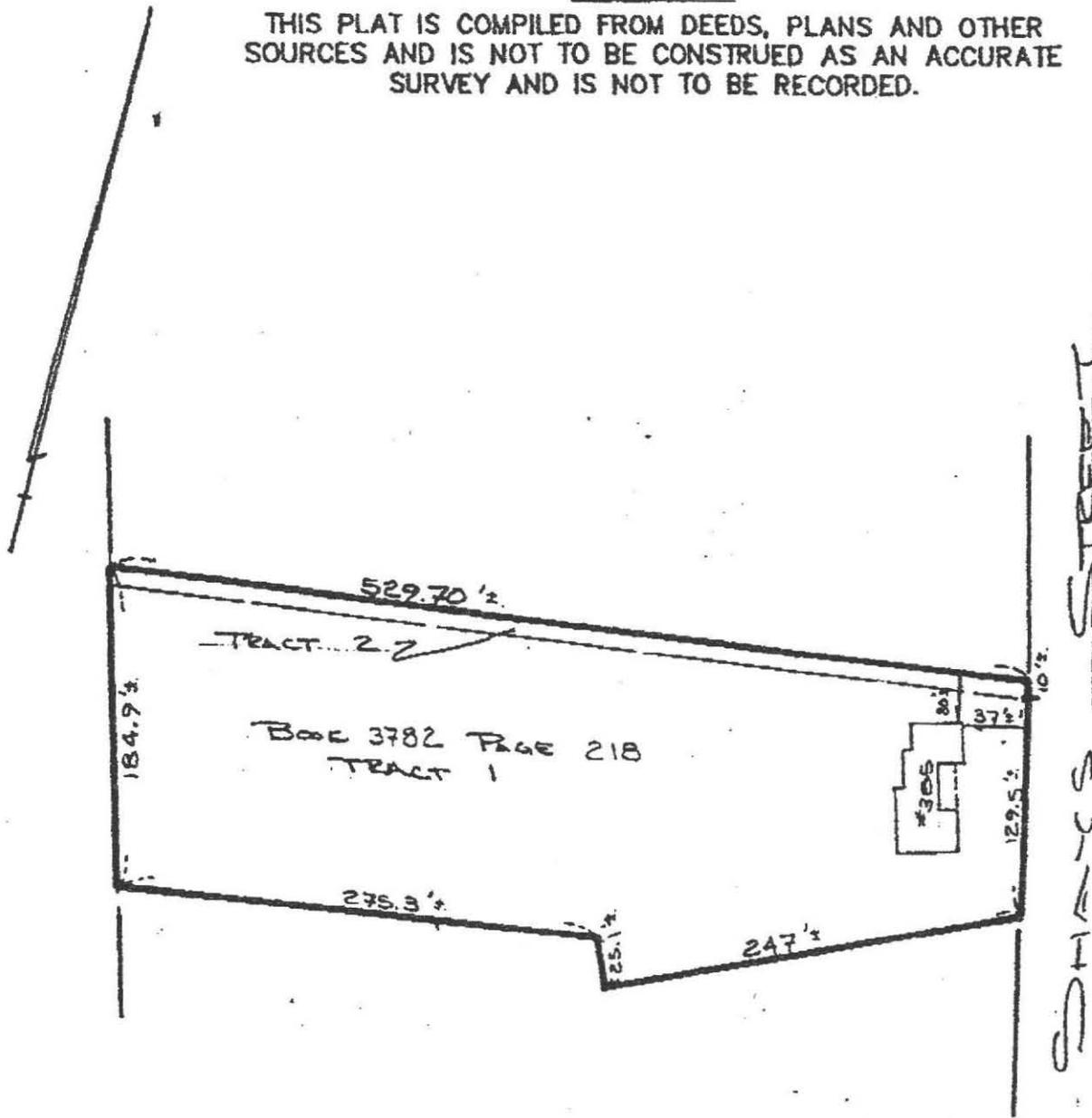
Signature [Signature] Date 7/26/07





-NOTE-

THIS PLAT IS COMPILED FROM DEEDS, PLANS AND OTHER SOURCES AND IS NOT TO BE CONSTRUED AS AN ACCURATE SURVEY AND IS NOT TO BE RECORDED.



TO: SOURCE ONE MORTGAGE SERVICES CORPORATION & FIRST AMERICAN TITLE INSURANCE COMPANY

I HEREBY REPORT THAT I HAVE EXAMINED THE PREMISES AND BASED ON EXISTING MONUMENTATION ALL EASEMENTS, ENCROACHMENTS AND BUILDINGS ARE LOCATED ON THE GROUND AS SHOWN AND THAT THE BUILDINGS ARE ENTIRELY WITHIN THE LOT LINES, EXCEPT AS NOTED. I FURTHER REPORT THAT THE PROPERTY IS NOT LOCATED WITHIN A FLOOD PRONE AREA AS SHOWN ON FEDERAL FLOOD INSURANCE MAPS FOR COMMUNITY # 250156

SURVEYOR: Randall E. Izer



-NOTE-

THIS PLAT FOR MORTGAGE LOAN PURPOSES ONLY AND DOES NOT CONSTITUTE A PROPERTY SURVEY

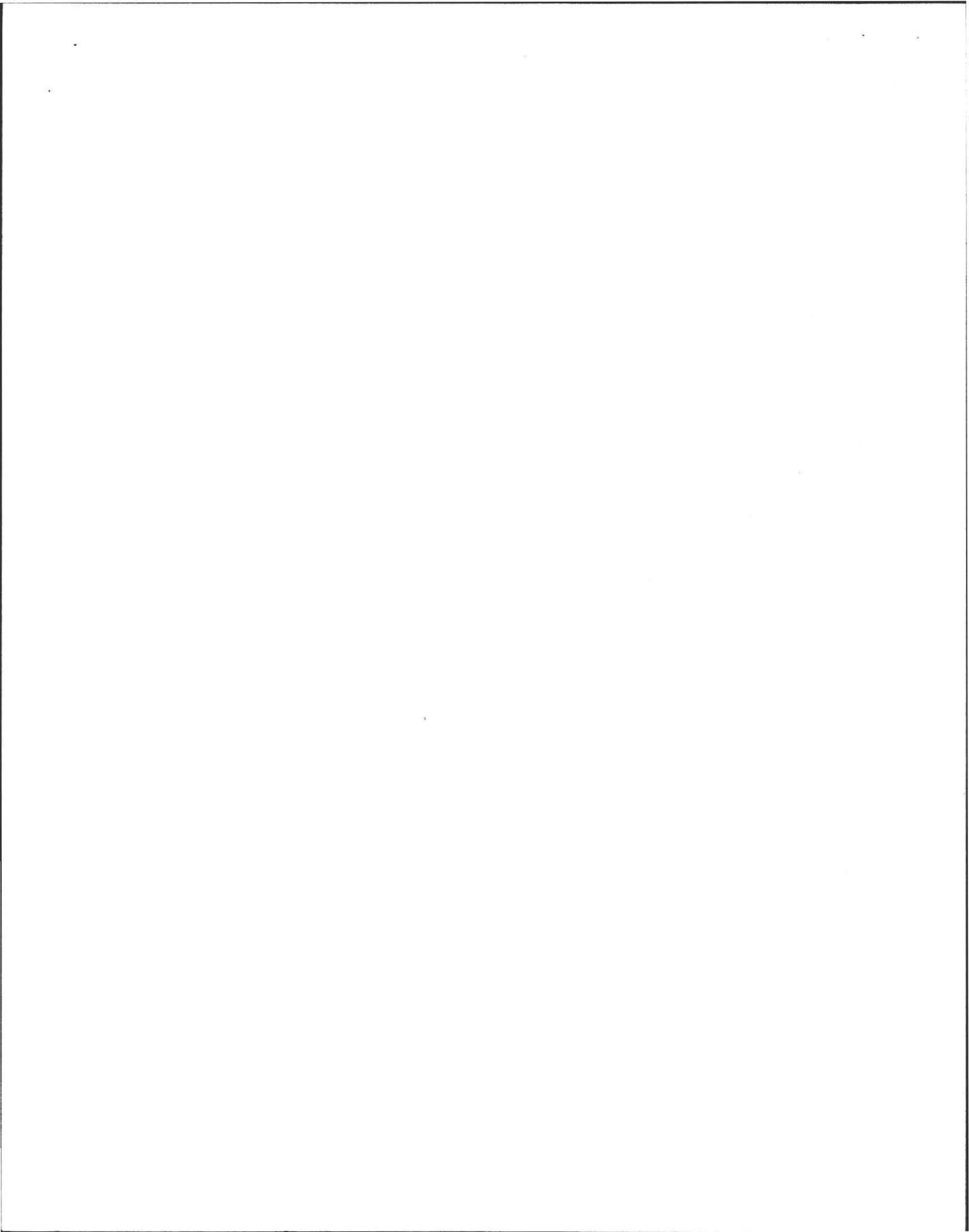
-MORTGAGE LOAN INSPECTION PLAT-

AMHERST, MASSACHUSETTS
PREPARED FOR
WILLIAM McC. VICKERY

SCALE: 1"=100'

JULY 22, 1997

HAROLD L. EATON AND ASSOCIATES, INC.
REGISTERED PROFESSIONAL LAND SURVEYORS



entered in permit plan

Mo Pd

No. _____

Date: 7/26/01

Commonwealth of Massachusetts
Massachusetts
Soil Suitability Assessment for On-site Sewage Disposal

Performed By: AL Weiss Coll Spring Exec. Date: 7/26/01
Witnessed By: DAVID ZARZYNSKI

Location Address or Lot # <u>385 Shays St</u>	Owner's Name, Address and Telephone # <u>CORA MARRETT</u> <u>385 SHAYS STREET</u> <u>253-8941</u>
New Construction <input type="checkbox"/> Repair <input checked="" type="checkbox"/>	

Office Review

Published Soil Survey Available: No Yes

Year Published _____ Publication Scale _____ Soil Map Unit _____

Drainage Class _____ Soil Limitations _____

Surficial Geologic Report Available: No Yes

Year Published _____ Publication Scale _____

Geologic Material (Map Unit) _____

Landform _____

Flood Insurance Rate Map:

Above 500 year flood boundary No Yes

Within 500 year flood boundary No Yes

Within 100 year flood boundary No Yes

Wetland Area:

National Wetland Inventory Map (map unit) _____

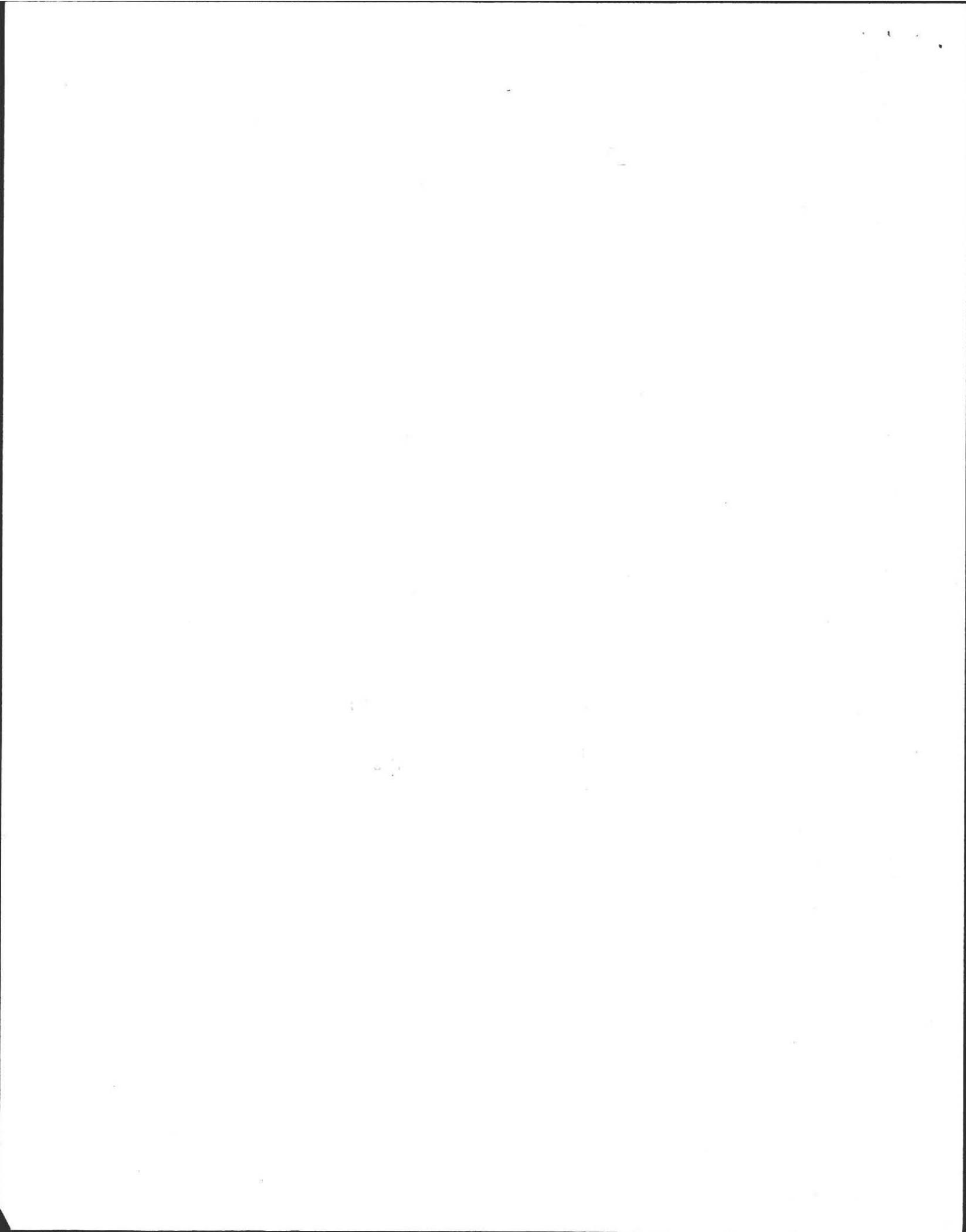
Wetlands Conservancy Program Map (map unit) _____

Current Water Resource Conditions (USGS): Month _____

Range :Above Normal Normal Below Normal

Other References Reviewed: _____





#3

6

20

60

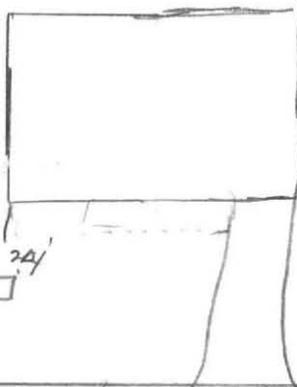
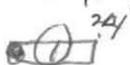
Same AS
#1 + #
2

#3



old system

#2



Shays Street

Location Address or Lot No. 385 Shays Street

On-site Review

Deep Hole Number ① Date: 7/26/01 Time: 8:30 Weather: RAIN-CLOUDY

Location (identify on site plan) _____

Land Use Residential Slope (%) 2-4° Surface Stones _____

Vegetation Grass

Landform Terrace

Position on landscape (sketch on the back) _____

Distances from:

Open Water Body 100+ feet Drainage way 100+ feet
 Possible Wet Area 100+ feet Property Line 40' feet
 Drinking Water Well 100+ feet Other _____

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<u>6"</u>	<u>A</u>	<u>FSL</u>	<u>10YR 3/2</u>		<u>FRIBLE</u>
<u>20"</u>	<u>Bw</u>	<u>SL</u>	<u>10YR</u>		<u>FRIBLE</u>
<u>70"</u>	<u>C₁</u>	<u>LS</u>	<u>4/4</u>	<u>10YR 5/8</u>	<u>MUD, SORTED</u>
<u>110"</u>	<u>C₂</u>	<u>FSL</u>	<u>2.5Y 5/6</u>	<u>76"</u>	<u>mod Dense Firm SAND 10% ANYLAL</u> <u>DETER. CBBLES F. SANDY GTILL</u>
<u>0</u>					
<u>20</u>					
<u>78</u>		<u>STONE</u>			
<u>110</u>					

HOLE 1

HOLE 2

over

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) ABLATIC TILL Depth to Bedrock: 110"

Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: _____

Estimated Seasonal High Ground Water: 76"



Location Address or Lot No. 385 Shyne Street

COMMONWEALTH OF MASSACHUSETTS

Amherst, Massachusetts

Percolation Test*		
Date:	<u>7/26/01</u>	Time: <u>8:30 AM.</u>
Observation Hole #	<u>(1)</u>	<u>(2)</u>
Depth of Perc	<u>43"</u>	
Start Pre-soak	<u>8:47</u>	
End Pre-soak	<u>9:02</u>	
Time at 12"	<u>9:02</u>	
Time at 9"	<u>9:18</u>	
Time at 6"	<u>9:41</u>	
Time (9"-6")	<u>23</u>	
Rate Min./Inch	<u>8</u>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

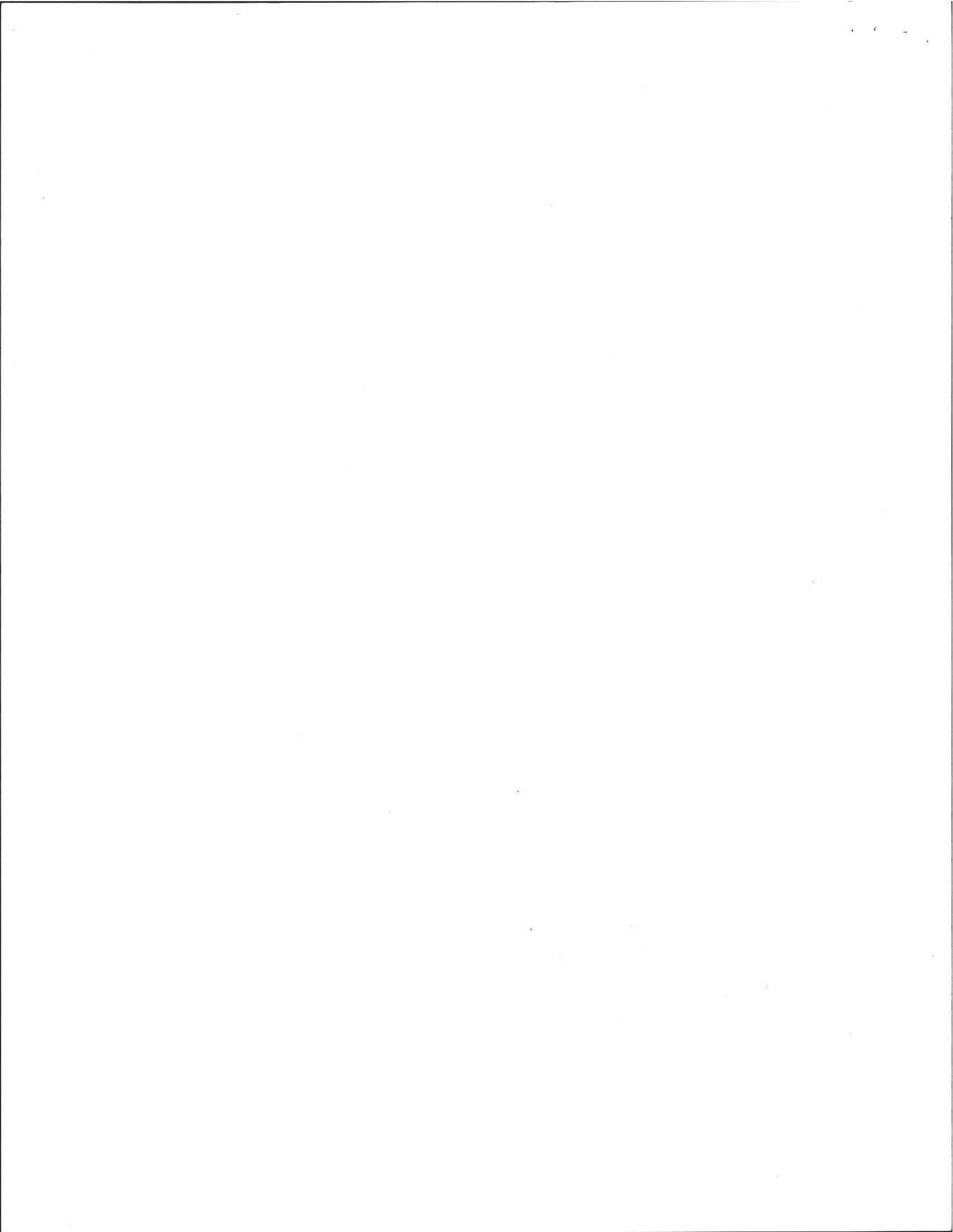
Site Passed Site Failed

Performed By: AL WENSU Cold Spring ECU

Witnessed By: David Zaczinski

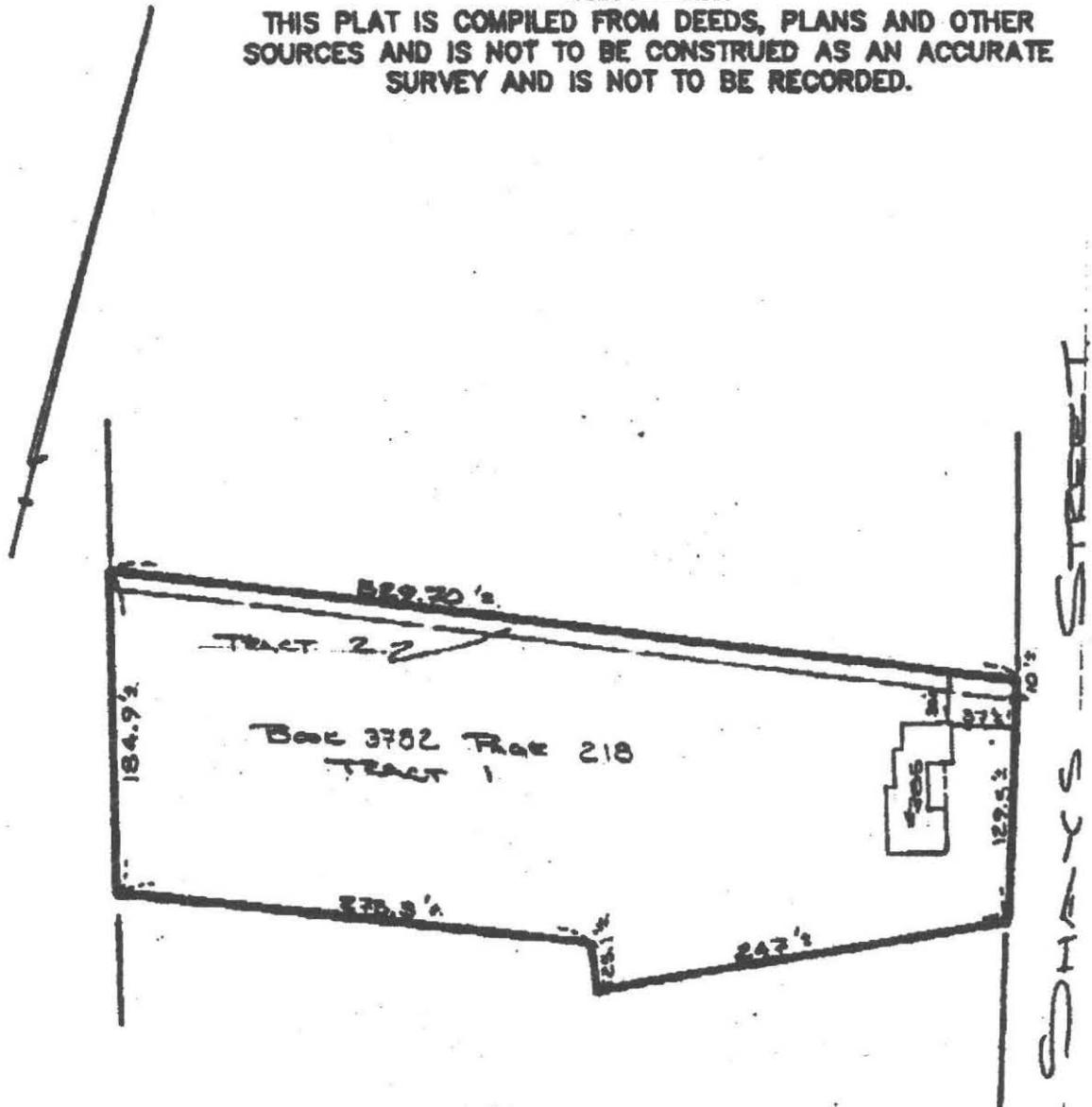
Comments: _____





-NOTE-

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TO: SOURCE ONE MORTGAGE SERVICES CORPORATION & FIRST AMERICAN TITLE INSURANCE COMPANY

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SURVEYOR: Randall E. Iger



Randall E. Iger

-NOTE-

THIS PLAT FOR MORTGAGE LOAN PURPOSES ONLY AND DOES NOT CONSTITUTE A PROPERTY SURVEY

-MORTGAGE LOAN INSPECTION PLAT-

AMHERST, MASSACHUSETTS
PREPARED FOR
WILLIAM McC. VICKERY

SCALE: 1"=100'

JULY 22, 1997

HAROLD L. EATON AND ASSOCIATES, INC.
REGISTERED PROFESSIONAL LAND SURVEYORS
235 RUSSELL STREET - HADLEY - MASSACHUSETTS



FAX DATE: 7/23/01 NO. OF PAGES: 2
(including cover sheet)

FAX TO: Wave 3

FAX FROM: Betsy E

SUBJECT: _____

MESSAGE:

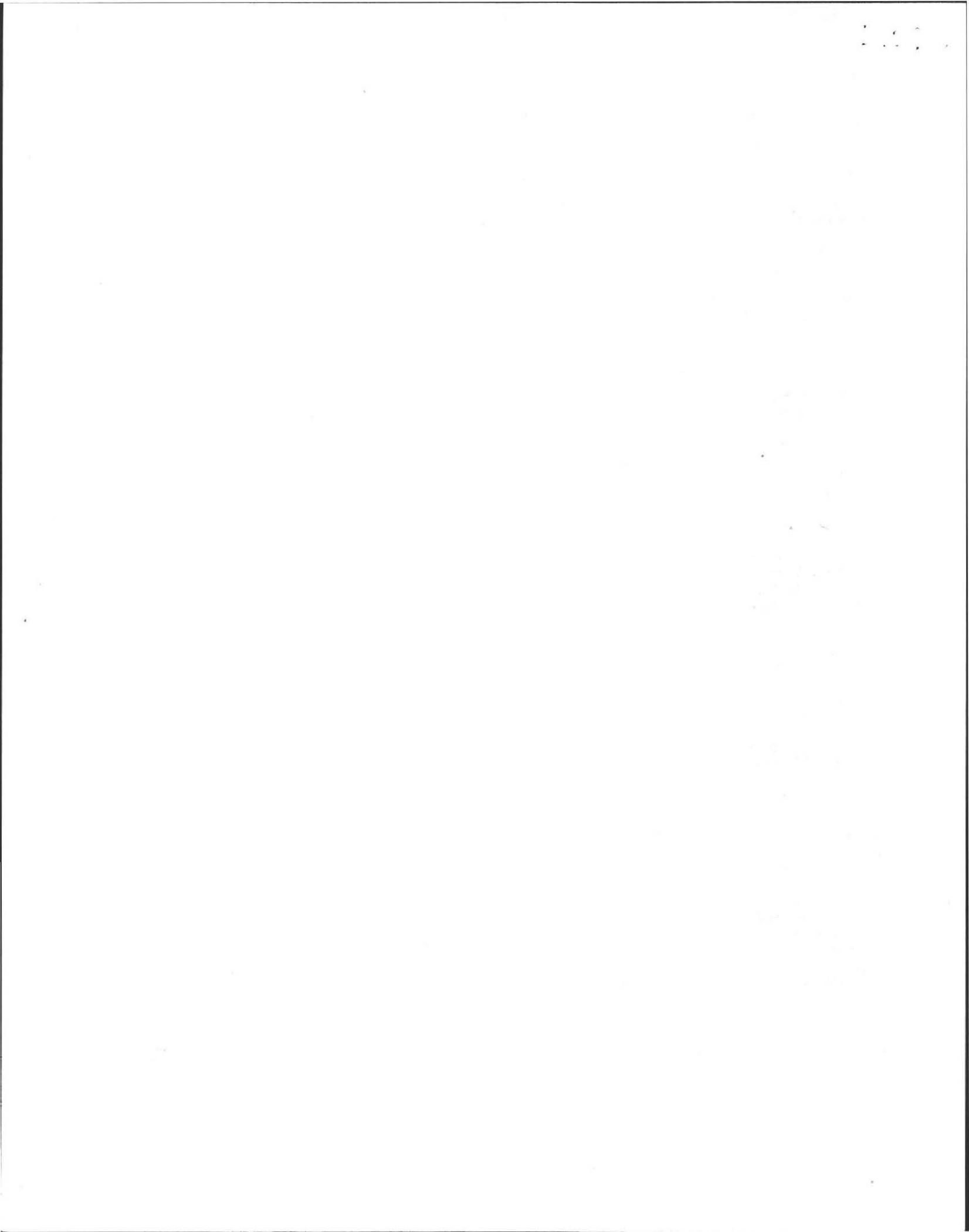
NOTE: If you do not receive the correct number of pages, please call sender at (413) 549 - 3700.

200 Triangle Street
Amherst, MA 01002-2193
(413) 549-3700
Fax (413) 549-7632
amherst@jones-tc.com

JONES - TOWN & COUNTRY

200 Triangle Street
Amherst, MA 01002-2193
(413) 549-3700
Fax: (413) 549-7632

Betsy Egan
REALTOR, C.R.S.™
began@jones-tc.com
Tel: (413) 549-3700

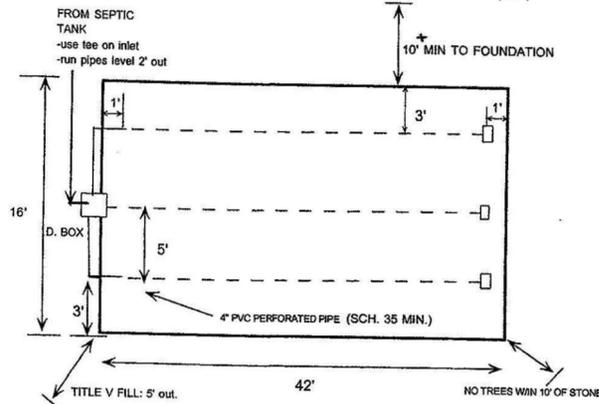


PLOT PLAN

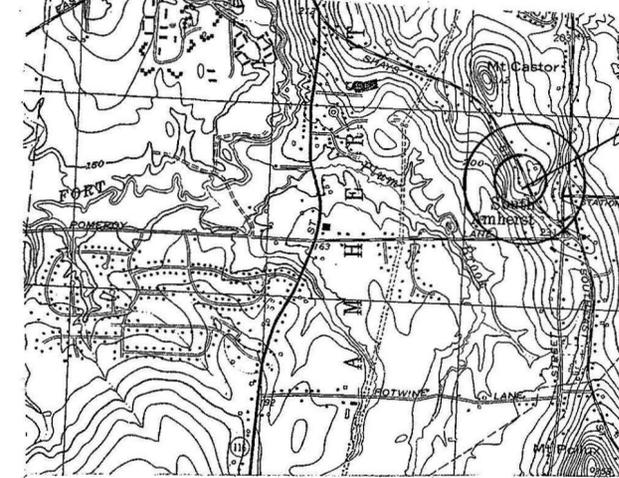
(1"=40')

100 — EXISTING CONTOURS
100 — PROPOSED CONTOURS

LEACH FIELD DIAGRAM (NTS)



SITE LOCUS

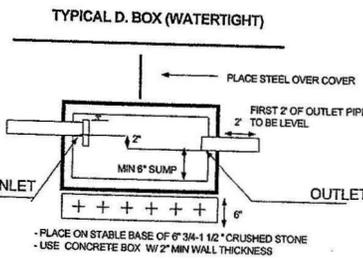
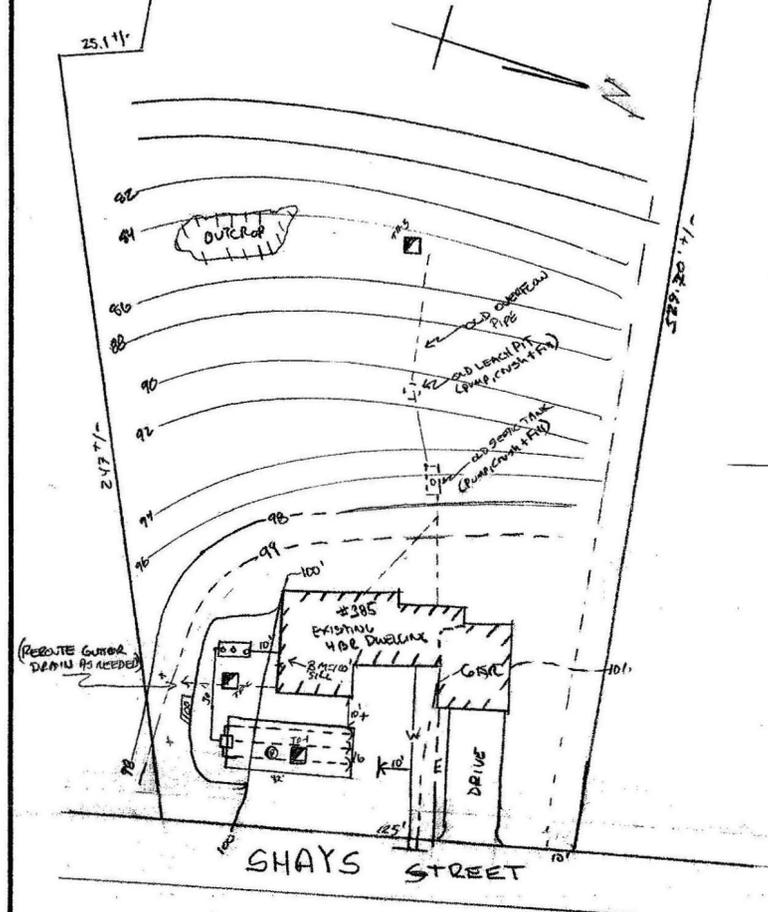


SITE

SCALE: 1"=2,083 FT.

USGS 7.5 MIN. QUAD.

0 FEET 2000

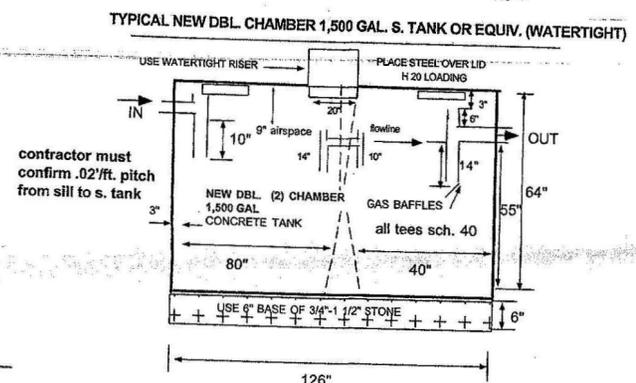


TEST PIT LOG

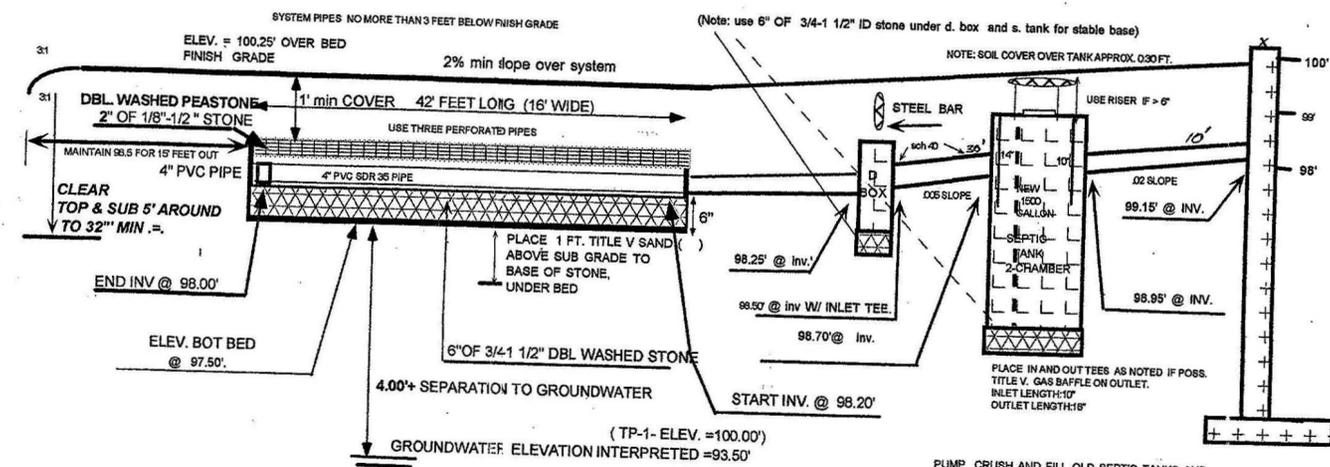
DEPTH	SOIL TYPE	PERCENTAGE
0-6"	A: FINE SANDY LOAM, FRIABLE-LOOSE	0-6"
6-20"	BW: SANDY loam, FRIABLE-LOOSE	6-20"
20-76"	C1 MOD. SORTED, MED SAND & GRAVEL, MASSIVE	20-76"
76-110"	C2 DENSE FINE SANDY TILL (FSL)	76-110"

OXIDES: 76" 2.5 Y 5/2 & 10 YR 5/8
ESHW: 76" IN TP-1 EFF. FOR DESIGN @ 93.5' (4' SEPARATION PROVIDED)

NOT OBS. 110"+
STANDING H2O WEEPING FROM FACE BEDROCK



CROSS SECTION OF SEPTIC SYSTEM *BENCHMARK = 100.00 SILL AT SOUTHEAST CORNER OF HOUSE

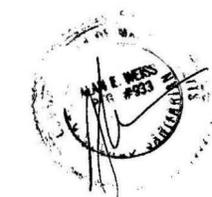


DESIGN NOTES:

1. 4 BR X 110 GAL/PERSONS/DAY = 440 GAL/DAY
-Use ONE Leachfield 16' wide x 42' LONG W/6" of .5' of DBL washed stone below invert.
Bot. Area: 16' wide x 42' long = 672sf.
Side Area: N.A.
Tot. Area: 672 sf x 0.66 gal.sf. = 444 GAL./day.
3. GARBAGE DISPOSAL NOT ALLOWED (remove if STILL present)
4. ALL D. BOX OUTLET PIPES LEVEL FOR 2'
5. NO PRIVATE WELLS WITHIN 100 FEET OF SAS (Town water)
6. NO WETLANDS WITHIN 100 FEET OF SAS (see plan).
7. PRE & POST CONTOURS NOTED AS NECESSARY.
8. RESERVE AREA NOT REQUIRED. (PUMP CRUSH & REPLACE OLD SEPTIC TANK & PIT)
(NEW 1,500 gal. 2 chamber S. TANK MAINTAIN 0.02 PITCH FROM SILL TO S. TANK.
9. SLOPE CALCS (SEE CONTOURS). SUBGRADE: INSP. REQ'D.
10. 2% MIN. SLOPE OVER SAS. CLEAR TOP AND SUB TO 20" MIN. AS NEEDED.
CLEAR TO BASE UNDER BED PRIOR TO TITLE V SAND PLACEMENT.
11. SOIL EVALUATION BY A. WEISS, RS. 07/26/2001.
12. DEPTH OF PERC. 43" BY A. Weiss 07/26/2001
13. PERC RATE = 8 MIN/IN, CLASS I SOIL RATING (LOAMY SAND)
14. INSTALL/INSPECT TEES (10" INLET, 14" OUTLET) ON 1,500 GAL. S. TANK AS NEEDED.
15. USE NEW, 2 CHAMBER 1,500 GAL. S. TANK WITH PROPER SCH 40 TEES IN PLACE.
16. USE APPROVED (1 1/2") DBL. WASHED STONE UNDER BED & D. BOX FOR 6".
CONFIRM STONE PROPERLY WASHED (WITH BUCKET /H2O TEST) PRIOR TO PLACEMENT.
17. NO TREES WITHIN 10 FT. OF NEW LEACH FIELD.
18. ENGINEER TO INSPECT SUBGRADE, remove old system IF interferes with new SAS.
19. T.B.M. 100.00 AT SILL, PITCH PIPE 0.02 TO S. TANK
20. GRADE MULCH AND SEED OVER LEACHFIELD/SAS.
21. REROUTE GUTTER DRAIN ON SOUTH SIDE OF HOUSE > 25' FROM SAS.

NOTE: USE TITLE V FILL ONLY UNDER AND AROUND FIELD TO MEET DESIGN ELEVATIONS AS NOTED ON PLAN AND AS PER 310 15.255 (clear all top and sub prior to fill placement) EXCAVATE TO STONE ELVATION) NOTE REGRADING IF SHOWN

NOTE: INSTALLER MUST OVER DIG SUBGRADE TO PLACE 1 FT. OF TITLE V SAND UNDER STONE



SEPTIC SYSTEM REPAIR PLAN FOR CORA & LOU MARRETT 385 SHAYS ST., AMHERST, MA		
SCALE: NOTED	APPROVED BY: <i>[Signature]</i>	DRAWN BY: AW
DATE: 7/30/01		REVISED:
COLD SPRING ENVIRONMENTAL, INC.		DRAWING NUMBER 101-1361-0710