

15 Dayton Lane



April 7, 2003

Amherst Board of Health

RE: Septic System Installation Inspection
Lot 14 Dayton Ave off Harkness Road (Vexler)

On this date the writer inspected the installation of a **Soil Absorption System** (septic system). The writer found the installation to be complete (except for completion of cover material and final fill) and in compliance with our plans and 310 CMR 15.000. The installer representative (**Chuck Walker**) and my inspection noted that the system was built properly, in accordance with the state regulations and our plans.

Sincerely,

Cold Spring Environmental Consultants, Inc.



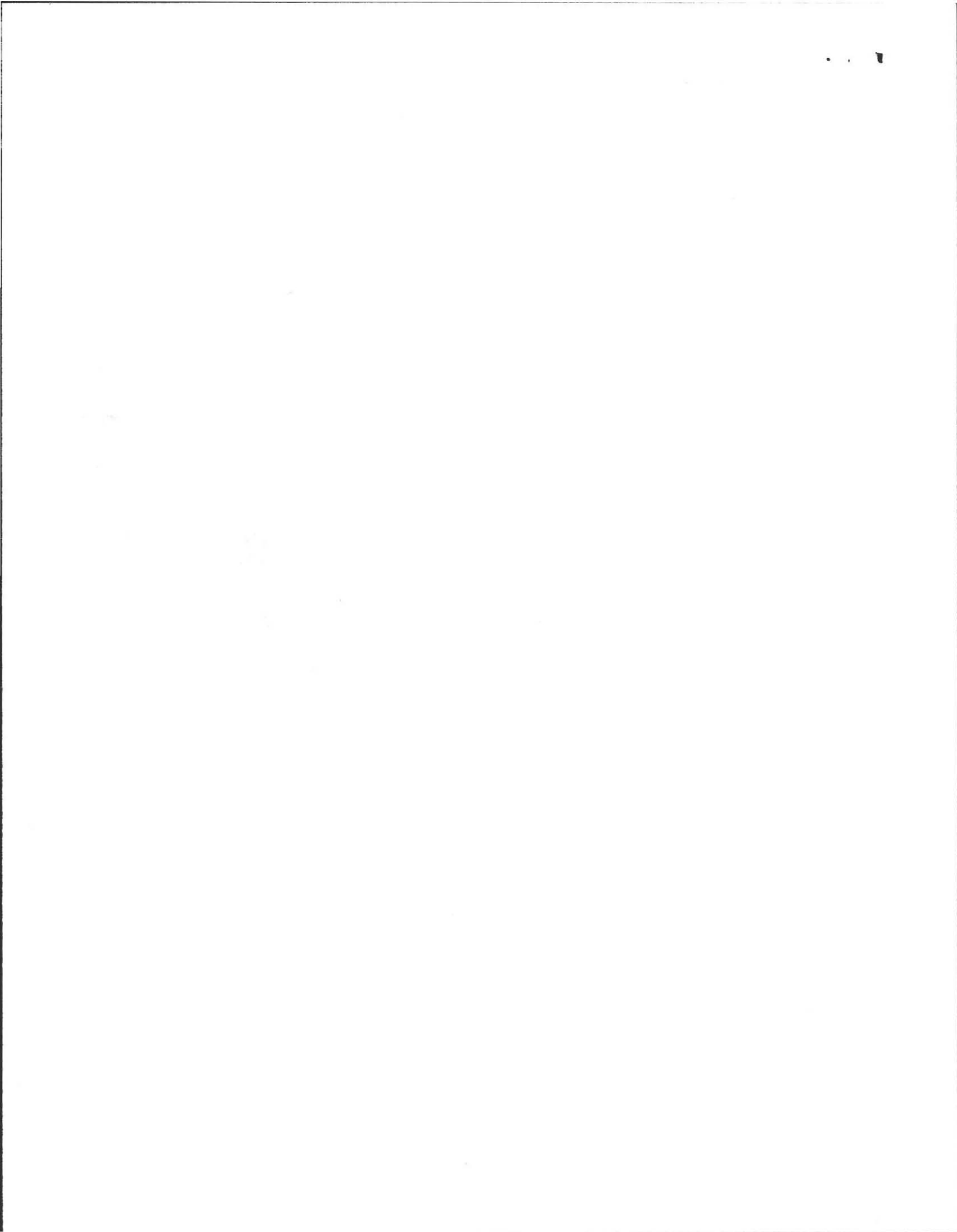
Alan E. Weiss, M.S., L.S.P.
President
Principal Hydrogeologist
Licensed Site Professional #6442
Registered Sanitarian #933



Cold Spring Environmental
350 Old Enfield Road
Belchertown, Ma. 01007

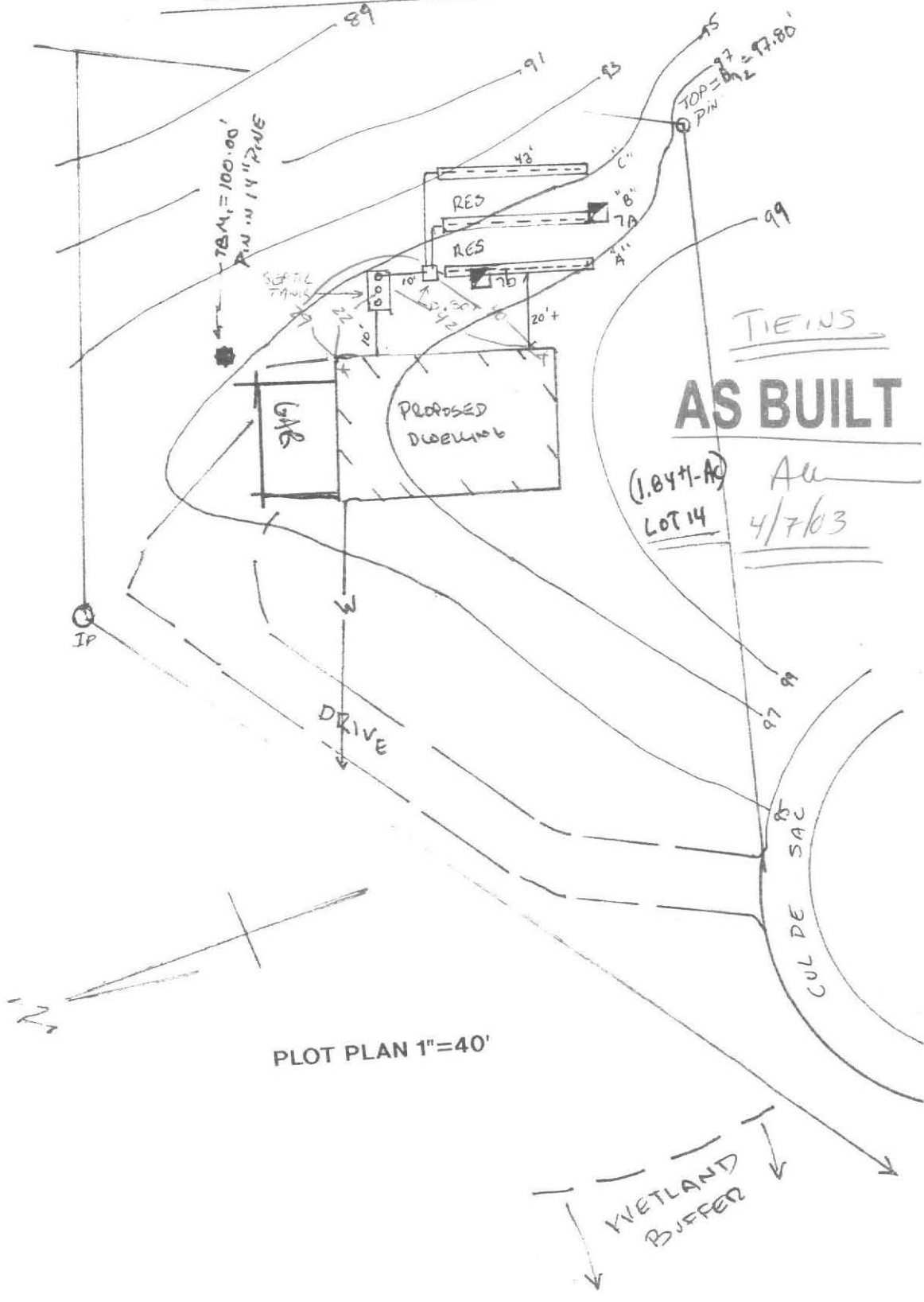
413-323-5957, phone
413-323-4916, fax

As Built Attached.



LOT PLAN

(1" = 40')

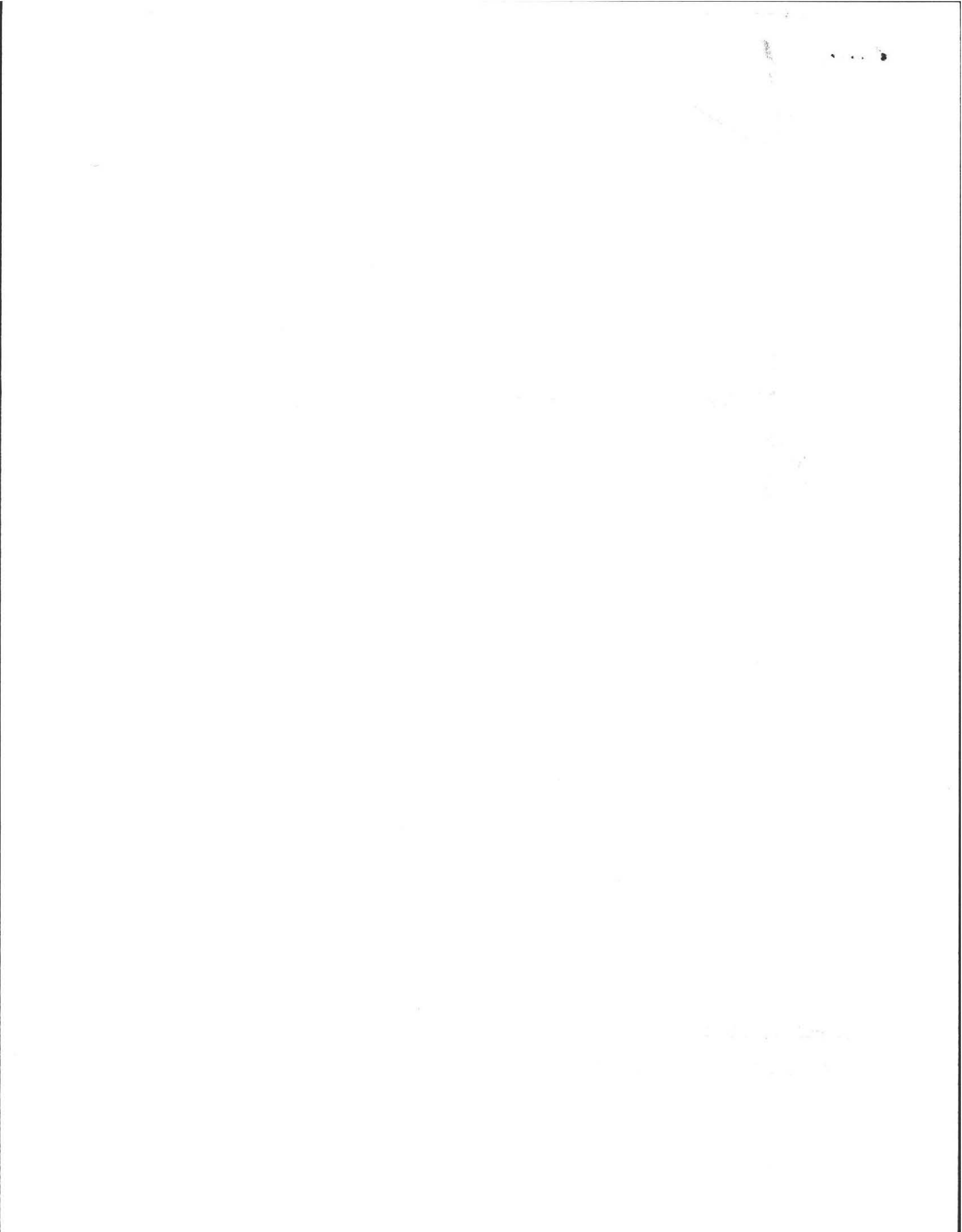


TIE INS
AS BUILT

(1.8471-A)
LOT 14
Au
4/7/03

PLOT PLAN 1"=40'

WETLAND
BUFFER





AMHERST Massachusetts

AMHERST HEALTH DEPARTMENT, 70 BOLTWOOD WALK, AMHERST, MA 01002
(413) 256-4077

(413) 256-4033 ENVIRONMENTAL HEALTH SERVICES
(413) 256-4033 (FAX)

SUB-GRADE INSPECTION

Location: LOT 14
Property Owner: VEXLER

I certify that I have inspected the excavation to sub-grade of the proposed septic system leaching area prior placement of any fill of stone, or construction of any portion of the system.

I further certify that:

1. All 'A' and 'B' horizon soils (topsoils and subsoils) were removed in the area of the system.
2. There was no evidence of ground water in the excavation.
3. There was no evidence of "mottles" that would be in conflict with the findings of the deep hole soil profile.
4. That the excavation was accomplished to the proper depth and in conformance with the approved plans.

Alan E. WEISS
Designers Name

[Signature]
Designers Signature

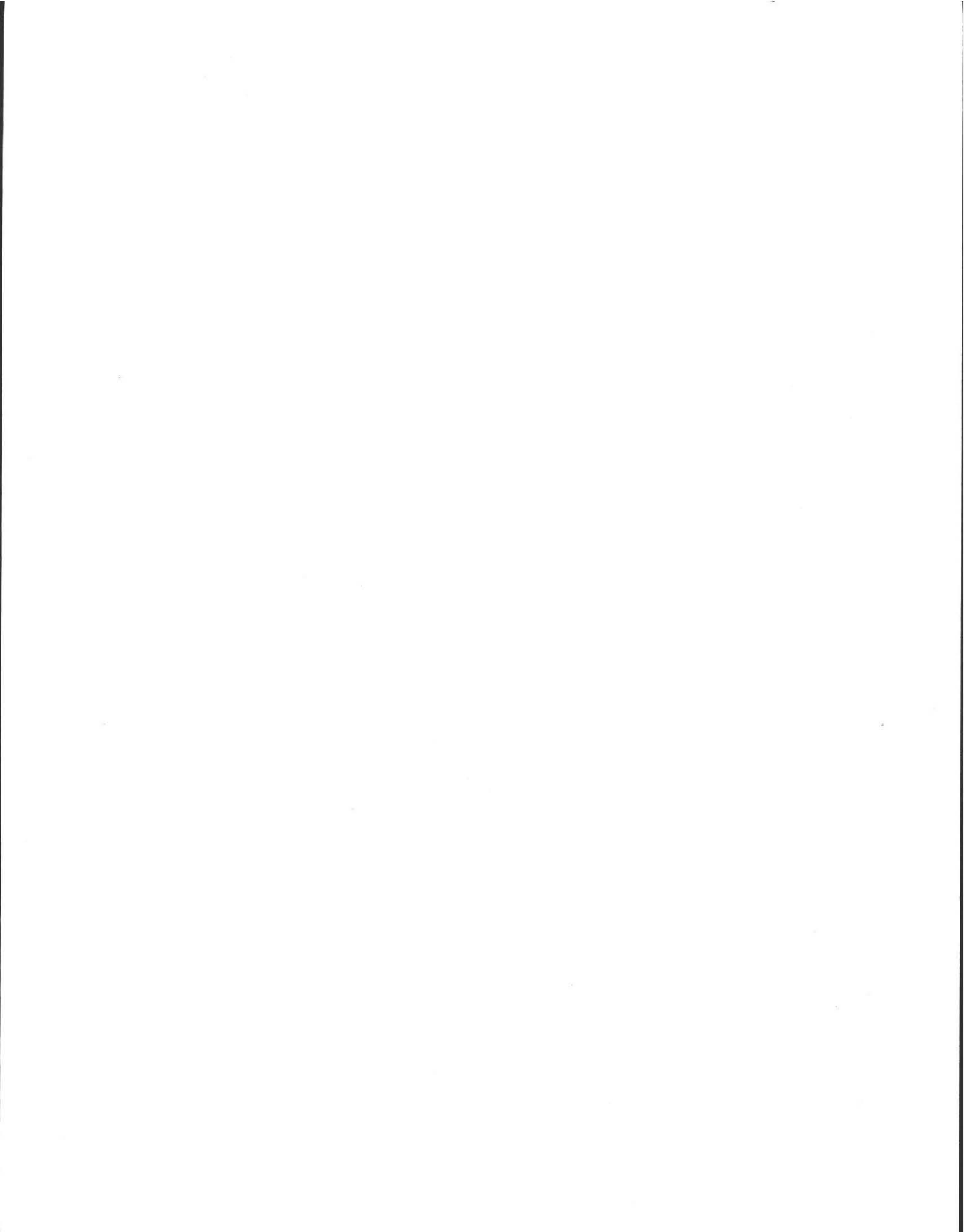
350 OLD ENFIELD RD.
Street Address

BEAUCHERTOWN
AMHERST, MA
Town, State, Zip Code

413-323-5457
Telephone Number



IT'S TIME WE MADE SMOKING HISTORY



The Commonwealth of Massachusetts
The Town of Amherst

Pd
CASH
115⁰⁰

APPLICATION FOR LICENSE

Apr. 7, 2004

FEE \$115.00

The undersigned hereby applies for a License in accordance with the provisions of the Statutes relating thereto:

INSTALLERS LICENSE

Chock Walker

75 Kimball St Belchertown

(Full name and address of person, firm or corporation making application)

State clearly purpose for which license is requested installer

Give business location by street and number same

in said Town of Amherst in accordance with the rules and regulations made under authority of the Statutes.

Business Phone Number 323-4407

Home Phone Number same

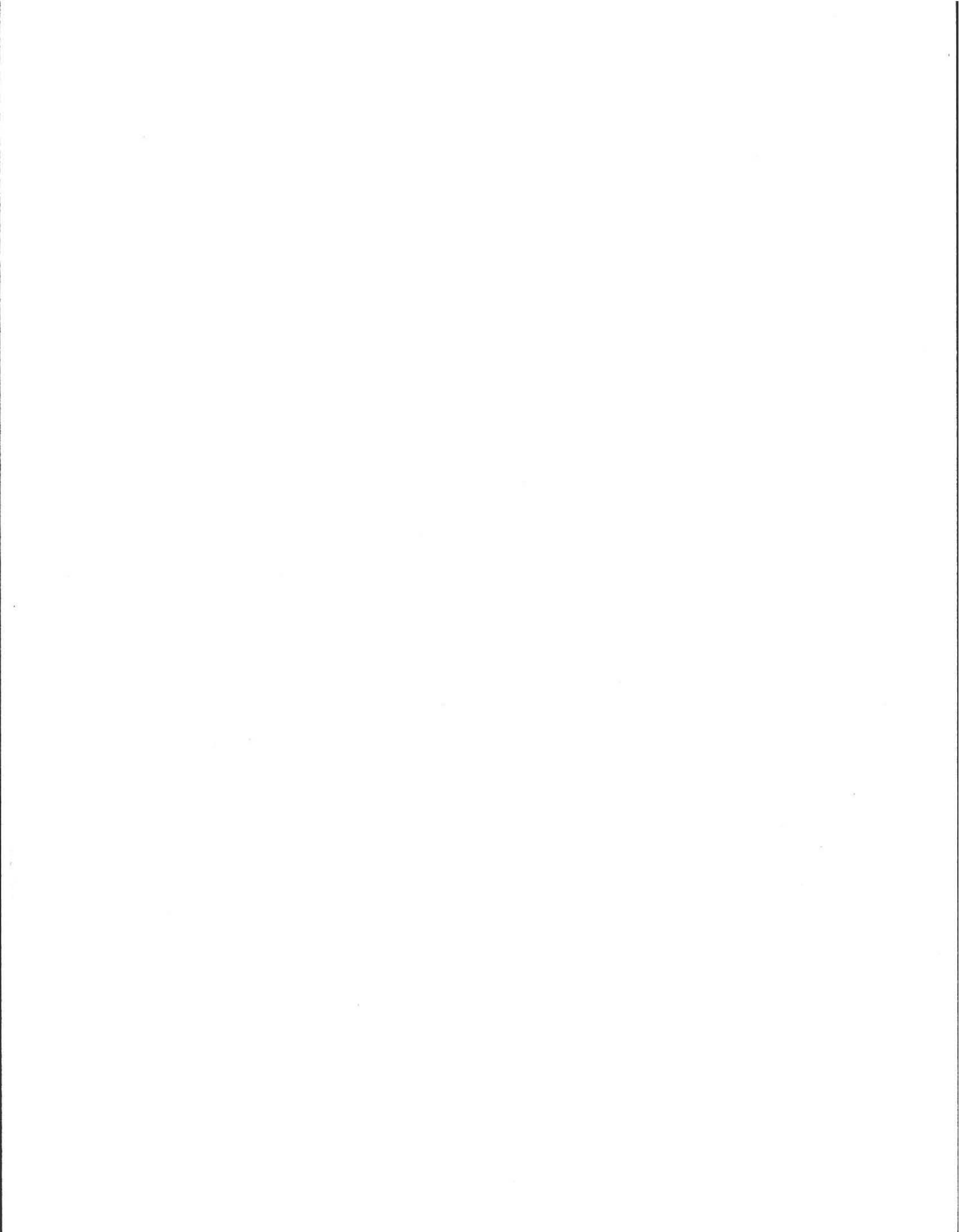
Federal I. D. Number _____

Social Security Number 023-38-4506

Signature of Applicant

Chock Walker

Return to: Town of Amherst
Environmental Health Services
Bangs Community Center, 2nd Fl
70 Boltwood Walk
Amherst, MA 01002



No. 02-19

FEE 12/00

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>OFF HARKNESS ROAD LOT 14</u>	Owner's Name <u>Nora Vexler</u>
Map/Parcel# <u>(DAYTON AVE)</u>	Address <u>140 W. Pomeroy Lane</u>
Lot# <u>14</u>	Telephone# <u>253-7993</u>
Installer's Name <u>Chuck Walker</u>	Designer's Name <u>Alan Weiss, RS</u>
Address <u>Belchertown, MA. 01007</u>	Address <u>Belchertown, MA.</u>
Telephone# <u>323-4407</u>	Telephone# <u>323-5957</u>

Type of Building Proposed Residence Lot Size 1.842 AC +/- sq. ft.
 Dwelling - No. of Bedrooms 4 Garbage grinder
 Other - Type of Building _____ No. of persons _____ Showers (), Cafeteria ()
 Other Fixtures _____
 Design Flow (min. required) 110 gpd Calculated design flow 440 Design flow provided 449 gpd
 Plan: Date 10/13/02 Number of sheets _____ Revision Date 5/11/98
 Title septic system design
 Description of Soil(s) CLASS II: FSL
 Soil Evaluator Form No. _____ Name of Soil Evaluator C. Boyson Date of Evaluation _____

DESCRIPTION OF REPAIRS OR ALTERATIONS Complete New system

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 Nora Vexler Date 10/15/02

Inspections _____

No. 02-19

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: Charles Walker
 at 15 DAYTON AV.
 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. 02-19, dated _____, Approved Design Flow _____ (gpd)
 Installer Chuck Walker
 Designer: Alan Weiss Inspector: David Pagnoni Date: 3/7/03
 The issuance of this permit shall not be construed as a guarantee that the system will function as designed.

No. 02-19

FEE 100

COMMONWEALTH OF MASSACHUSETTS

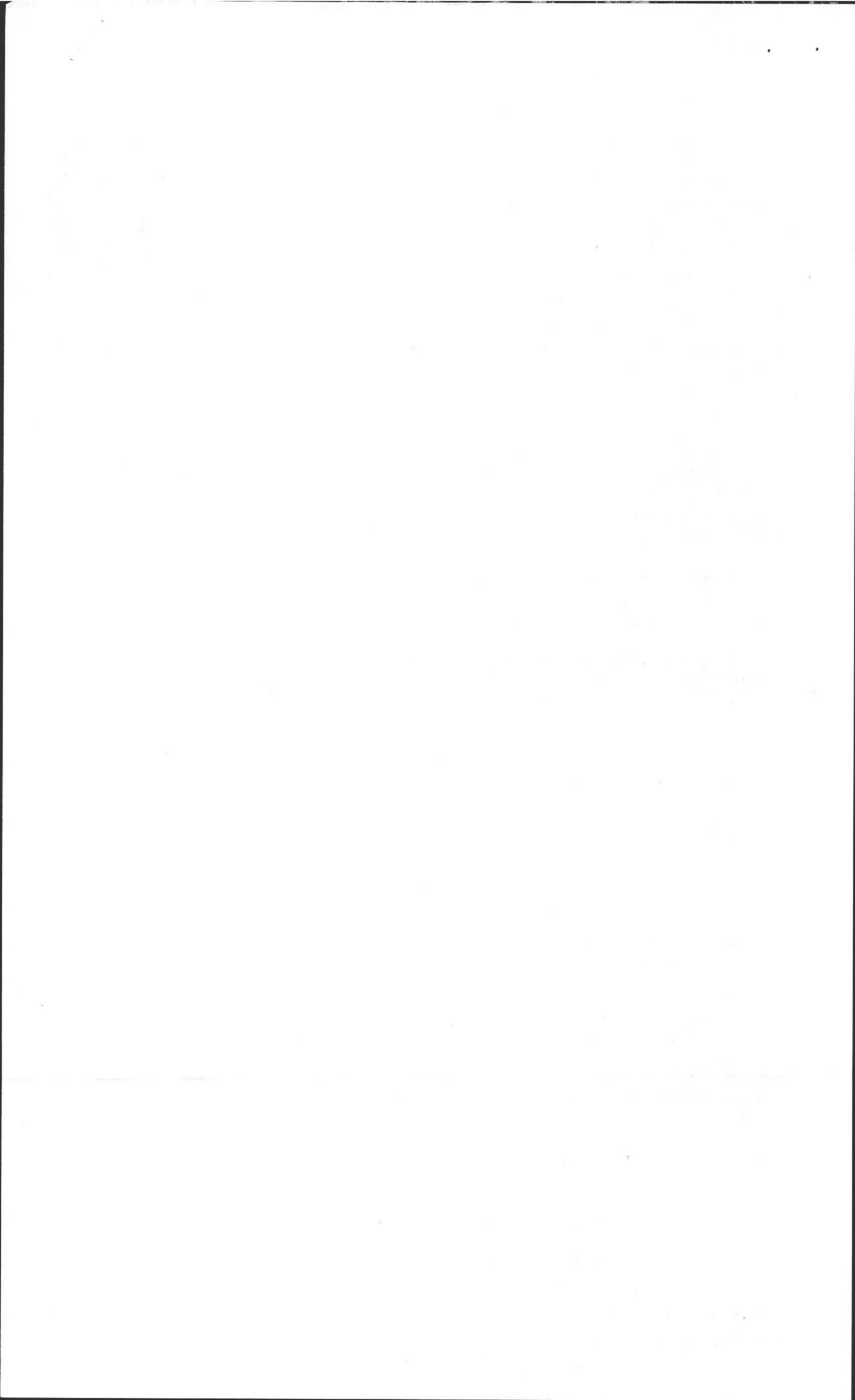
Board of Health, Amherst, MA.

DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permission is hereby granted to; Construct () Repair () Upgrade () Abandon () an individual sewage disposal system
 at 15 DAYTON AV as described in the application for
 Disposal System Construction Permit No. 02-19, dated 10/13/02 Rec'd 10/15/02

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

Date 10/16/02 Board of Health David Pagnoni



LAND SOLUTIONS PO BOX 121 SUNDERLAND 01375 413/665-4777

TITLE 5: DRAFT PRINTED SEPTEMBER 20, 1993

APPENDIX 4 PAGE 3

LOCATION: HARKNESS ROAD, AMHERST, MA
ASSESSOR'S #: MAP 21B PARCEL 14 & 21B-14

DATE: 11 MAY 1998
NAME: ZAHRADNIK
JOB NO. 98-038

TABLE DETERMINATION FOR SEASONAL HIGH WATER

METHOD USED:

X	DEPTH OBSERVED STANDING IN OBSERVATION HOLE	_____	INCHES
	DEPTH WEEPING FROM SIDE OF OBSERVATION HOLE	142"	INCHES
	DEPTH TO SOIL MOTTLES	_____	INCHES
	GROUND WATER ADJUSTMENT	_____	FEET

INDEX WELL NO.	READING DATE	INDEX WELL LEVEL
ADJUSTMENT FACTOR	ADJUSTED GROUND WATER LEVEL	

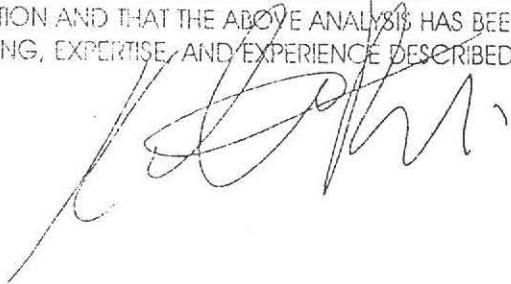
PERCOLATION TEST		
DATE: 11 MAY 1998	TIME: 11:00	TIME: 11:00
OBSERVATION HOLE NO.:	7A	7B
DEPTH OF PERC:	48 & 18	49 & 18
START PRE-SOAK	11:00	11:00
END PRE-SOAK	11:15	11:15
TIME @ 12"	11:15	11:18
TIME @ 9"	11:25	11:23
TIME @ 6"	11:34	11:35
TIME (9"-6")	11 MINUTES	12 MINUTES
RATE MIN/INCH	3 2/3 MINUTE PER INCH	4 MINUTES PER INCH

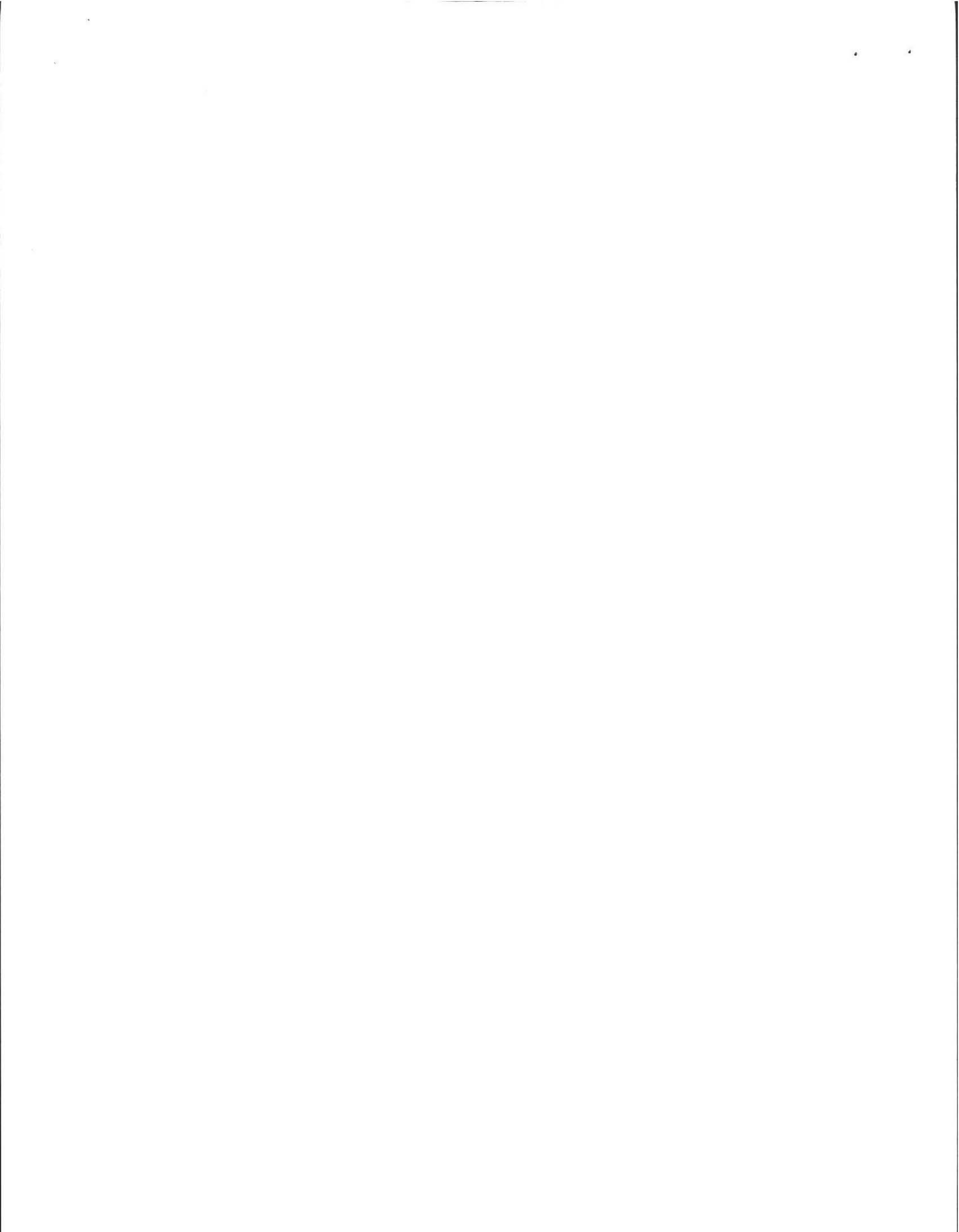
DESIGN RATE:	15 MINUTES/INCH	15 MINUTES PER INCH
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SITE SUITABILITY ASSESSMENT: X SITE PASSED SITE FAILED
 ADDITIONAL TESTING NEEDED: NONE

PERFORMED BY: K. CHRISTIAN BOYSEN CERTIFICATION NO. NOV. '94
 WITNESSED BY: DAVID ZAROZINSKI AND MICHAEL LOMBARD, AMHERST HEALTH DEPARTMENT

I CERTIFY ON NOV. '94 I HAVE PASSED THE EXAMINATION APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THAT THE ABOVE ANALYSIS HAS BEEN PERFORMED BY ME CONSISTENT WITH THE REQUIRED TRAINING, EXPERTISE, AND EXPERIENCE DESCRIBED IN 310 CMR 15.018(2).
 LSRD6697





LAND SOLUTIONS, PO BOX 121, SUNDERLAND 01375 413/665-4777

TITLE 5: DIGEST PRINT SEPTEMBER 20, 1993

APPENDIX 4 PAGE 2

LOCATION: HARKNESS ROAD, AMHERST, MA
 ASSESSOR'S #: MAP 21B PARCEL 14 & 21B-14

DATE: 11 MAY 1998
 NAME: ZAHRADNIK
 JOB NO.: 98-038

ON-SITE REVIEW

DEEP HOLE NO.: 7A DATE: 11 MAY 1998 TIME: 10:30 WEATHER: 60 DEG. PARTLY CL
 LOCATION: SEE SITE PLAN (@/BELOW 550 FLAG -SLIGHTLY ON SLOPE)
 LAND USE: WOODS SLOPE: 6% SURFACE STONES: NONE
 VEGETATION: PINES AND MAPLES
 LANDFORM: OUTWASH PLAIN
 POSITION ON LANDFORM: WESTERN EDGE OF TERRACE

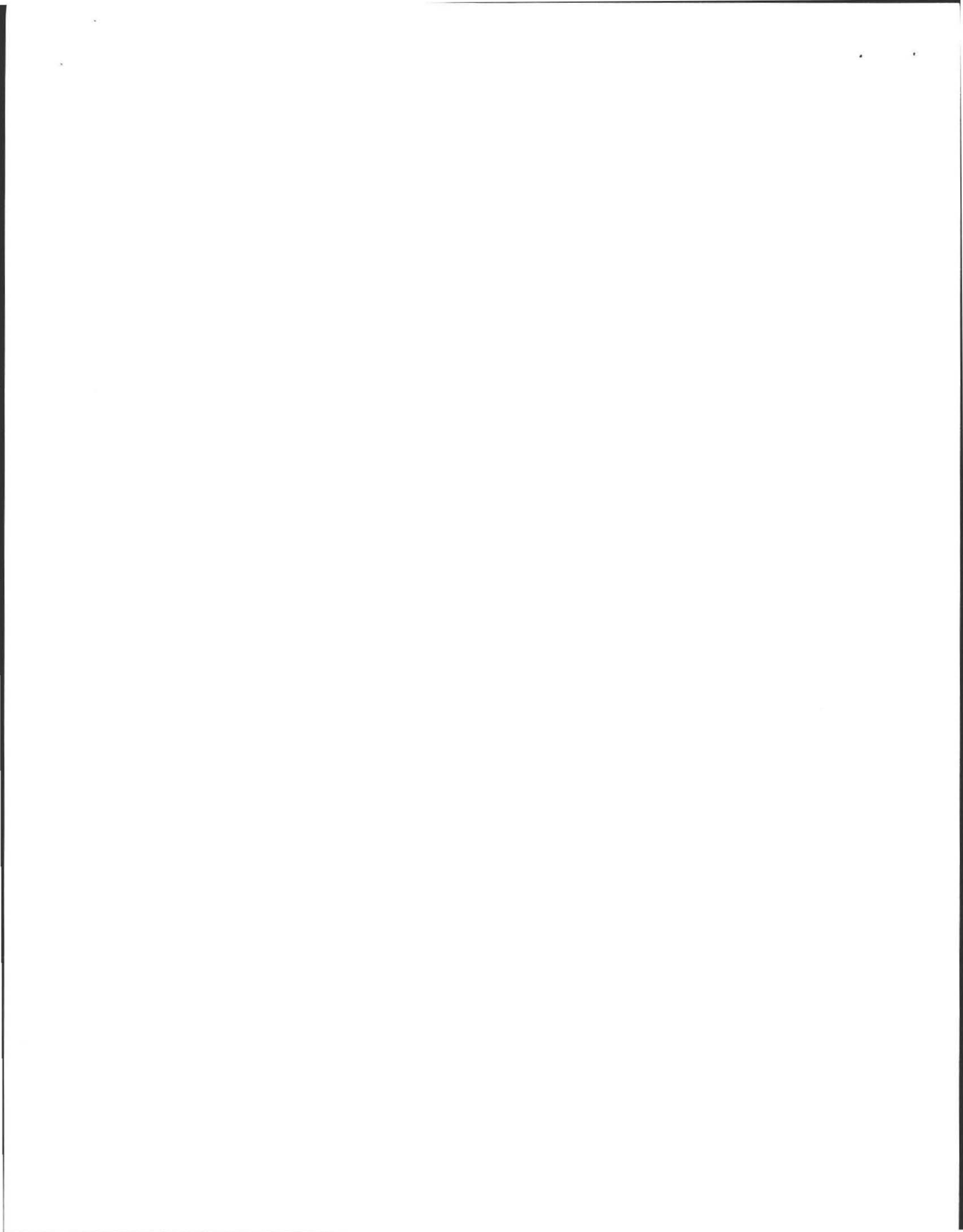
DISTANCE FROM:

OPEN WATER BODY: > 200' DRAINAGEWAY: > 200'
 POSSIBLE WET AREA: > 200' PROPERTY LINE: > 200' (TO BE DIVIDED)
 DRINKING WATER WELL: > 200' OTHER: NONE

DEEP OBSERVATION HOLE LOG					
DEPTH (INCHES)	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0-2-0	C				-FIBROUS DUFF
0-4	A	FINE SANDY LOAM	10YR 3/2	NONE	- VERY FRIABLE - MANY ROOTS
4-27	Bw	FINE SANDY LOAM	10YR 4/6	NONE	-ROOTS -FRIABLE -10% GRAVEL
27-95	C1	LOAMY FINE SAND	10YR 4/4	NONE	- VERY COMPACT IN PLACE
95-147	C2	FINE SANDY LOAM	7.5YR 4/4	NONE	-COMPACT IN PLACE -MANY STONES AND COBBLES

PARENT MATERIAL: GLACIAL OUTWASH
 DEPTH TO GROUNDWATER:STANDING WATER: 142"
 ESTIMATED SEASONAL HIGH GROUNDWATER: 142"

DEPTH TO BEDROCK: > 147"
 WEEPING FROM FACE: NONE



LAND SOLUTIONS PO BOX 121 SUNDERLAND 01375 413/665-4777

TITLE 5: DRAFT PRINT SEPTEMBER 20, 1993

APPENDIX 4 PAGE 2

LOCATION: HARKNESS ROAD, AMHERST, MA
 ASSESSOR'S #: MAP 21B PARCEL 14 & 21B-14

DATE: 11 MAY 1998
 NAME: ZAHRADNIK
 JOB NO.: 98-038

ON-SITE REVIEW

DEEP HOLE NO.: 7B DATE: 11 MAY 1998 TIME: 10:45 WEATHER: 60 DEG. PARTLY CL
 LOCATION: SEE SITE PLAN (@/BELOW 550 FLAG -SLIGHTLY ON SLOPE)
 LAND USE: WOODS SLOPE: 6% SURFACE STONES: NONE
 VEGETATION: PINES AND MAPLES
 LANDFORM: OUTWASH PLAIN
 POSITION ON LANDFORM: WESTERN EDGE OF TERRACE

DISTANCE FROM:

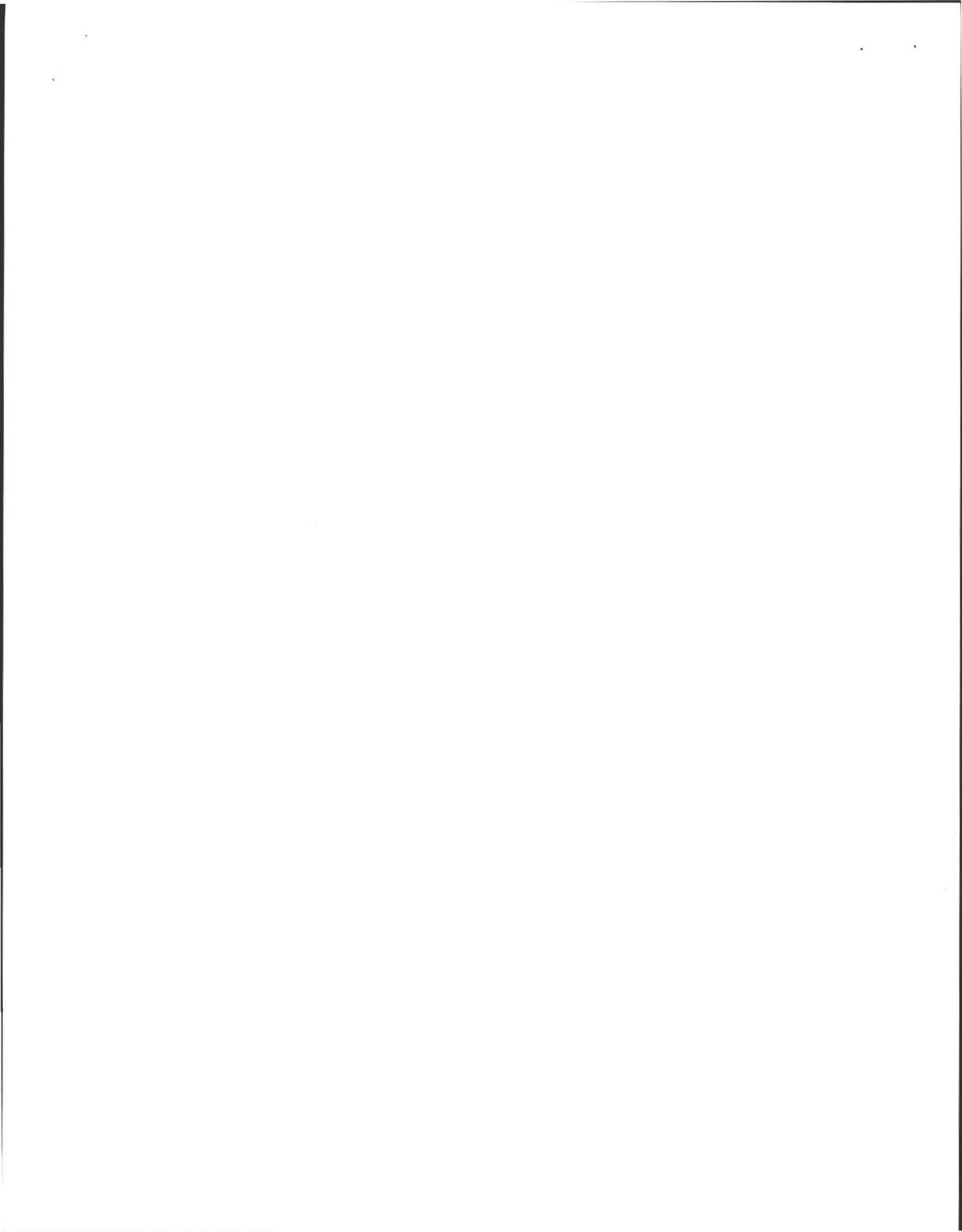
OPEN WATER BODY: > 200' DRAINAGEWAY: > 200'
 POSSIBLE WET AREA: > 200' PROPERTY LINE: > 200' (TO BE DIVIDED)
 DRINKING WATER WELL: > 200' OTHER: NONE

DEEP OBSERVATION HOLE LOG					
DEPTH (INCHES)	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
-2-0	O				-FIBROUS DUFF
0-4	A	FINE SANDY LOAM	10YR 3/2	NONE	- VERY FRIABLE - MANY ROOTS
4-28	Bw	FINE SANDY LOAM	10YR 4/6	NONE	-ROOTS -FRIABLE -10% GRAVEL
28-117	C1	LOAMY FINE SAND	10YR 4/4	NONE	- VERY COMPACT IN PLACE
117-143	C2	FINE SANDY LOAM	7.5YR 4/4	NONE	-COMPACT IN PLACE -MANY STONES AND COBBLES

PARENT MATERIAL: GLACIAL OUTWASH
 DEPTH TO GROUNDWATER:STANDING WATER: NONE
 ESTIMATED SEASONAL HIGH GROUNDWATER: > 143"

DEPTH TO BEDROCK: > 143"
 WEEPING FROM FACE: NONE


LSRD6697




TIES TO MARKED POINTS - DEEP HOLES 7A & 7B


	7A	7B
DEEP HOLE 7A	29'	42'
PERC 7A	24'	50'
DEEP HOLE 7B	39'	5'
PERC 7B	35'	23'


P. 7B.

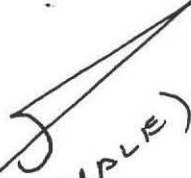

TREE w/ NAIL & FLAG = "7B"


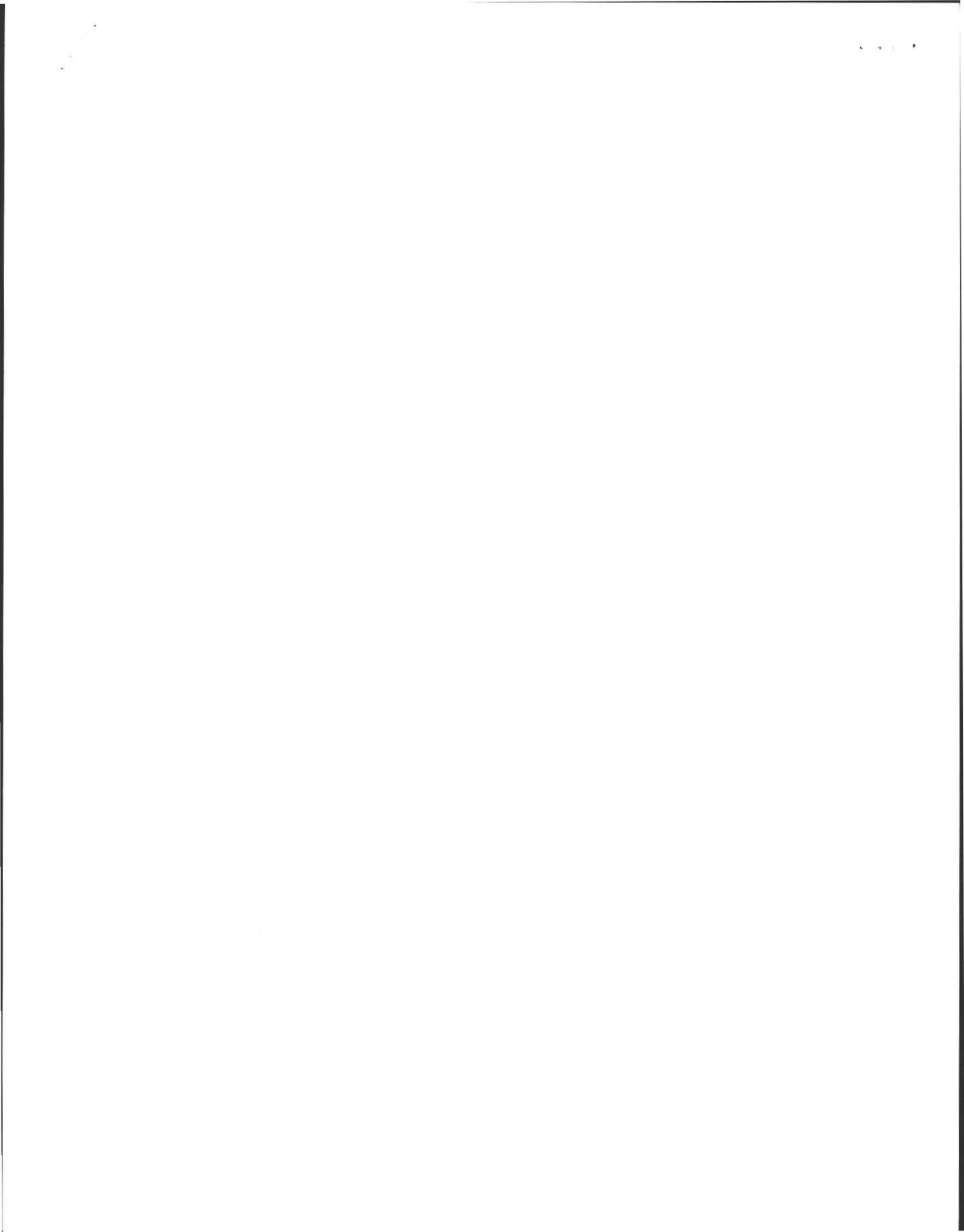

 DH. 7B


 DH. 7A.

TREE w/ NAIL &
 FLAG = "7A" 


 P. 7A.

NORTH. 
 (NOT TO SCALE)
 ALSO SEE OVERALL SITE PLAN.



BELCHERTOWN

NWE

NWB

TP-13

270

DIRT

PATH

290

TP-14

300

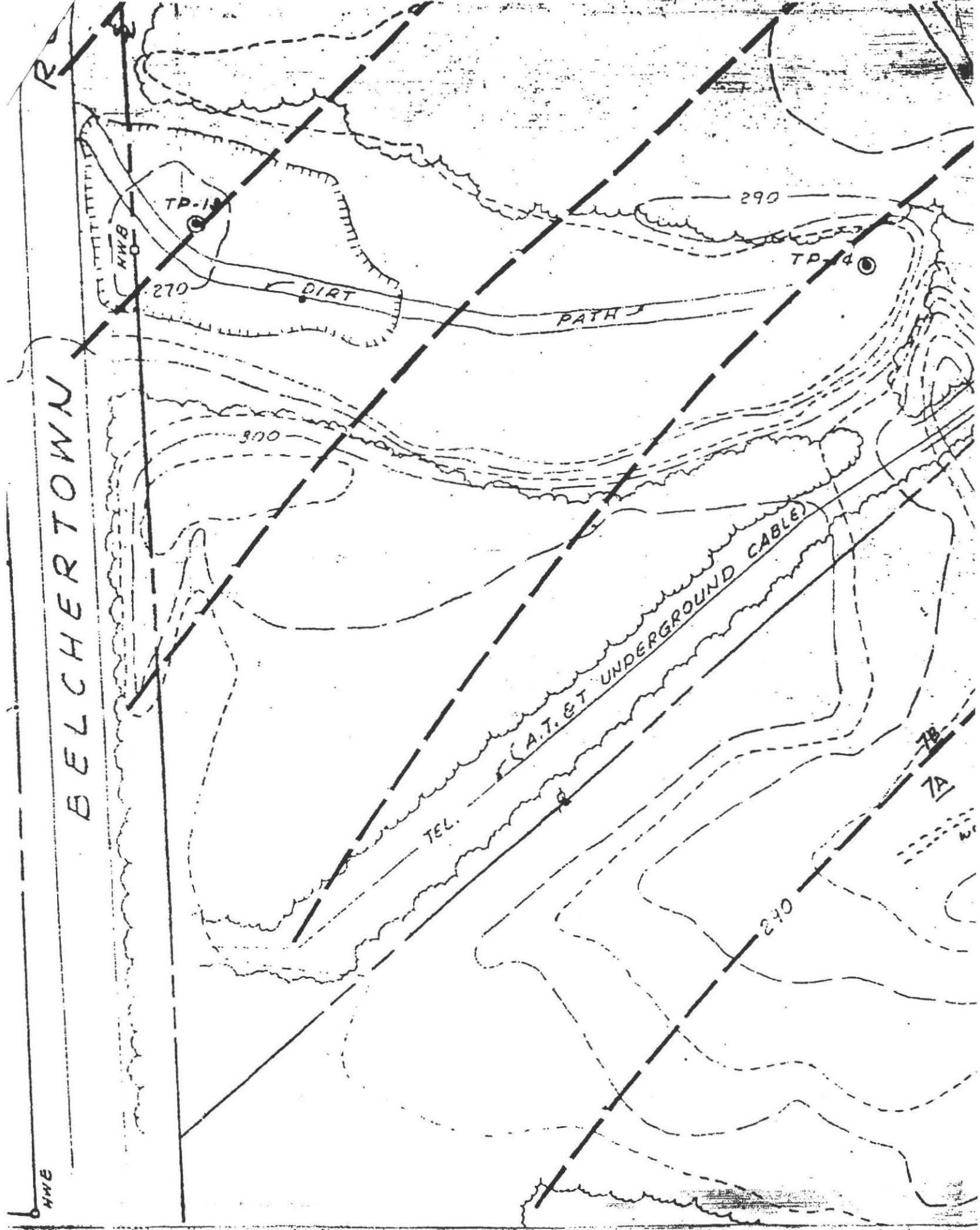
TEL. & UNDERGROUND CABLE

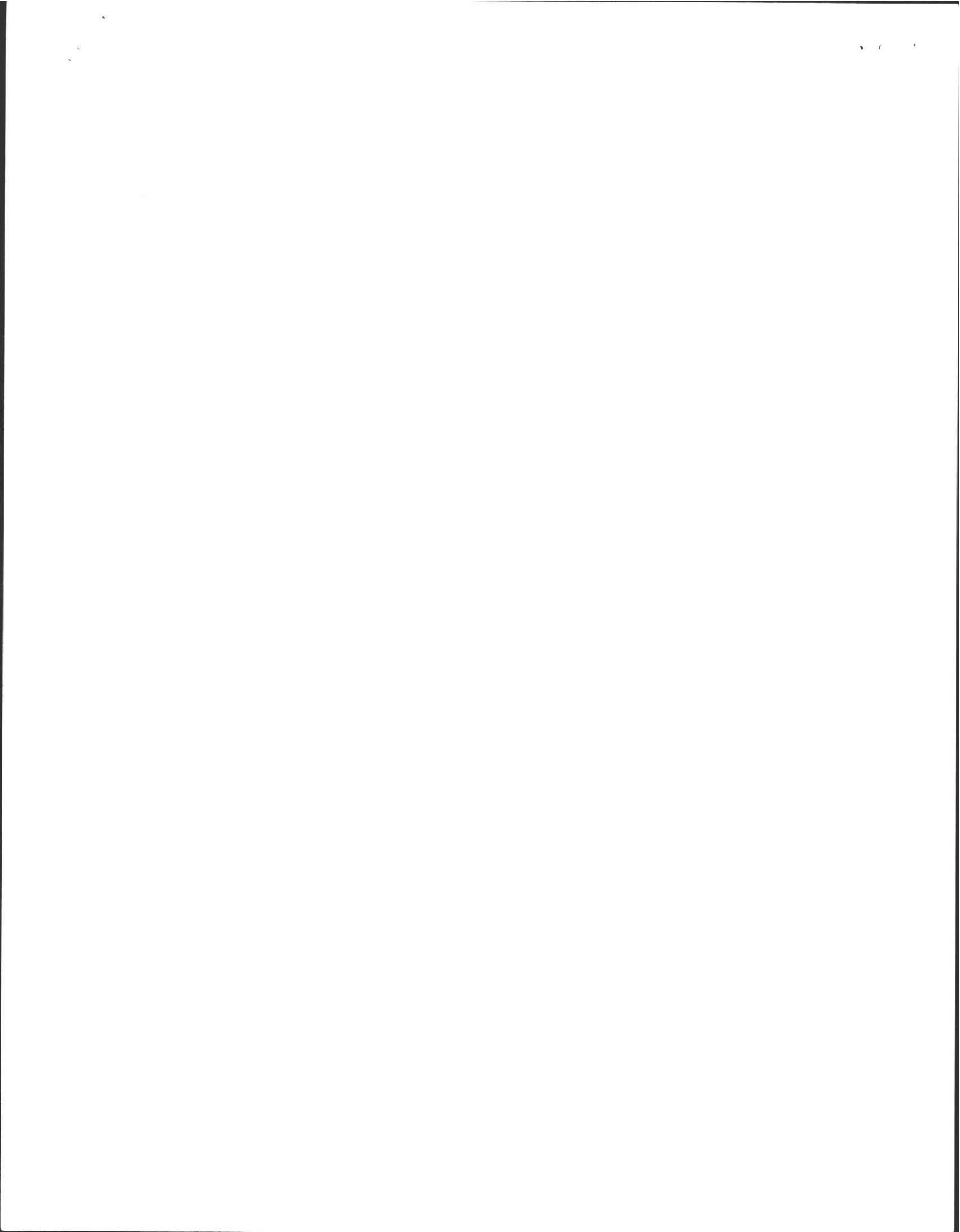
TEL.

240

7B

7A





TOWN OF AMHERST
HEALTH PERMITS/INSPECTION SERVICES

No. 3121

Received of N. V. ASSOCIATES of 140 West Pomeroy Lane
Name Address

For Property Located at: Dayton Lane (Lot 3) Norman Vexler
Street Address Owner

253-7993

- HEA009 Bakery R6510 443508 _____
- HEA001 Bed & Breakfast R6510 443516 _____
- HEA002 Catering License R6510 443507 _____
- HEA003 Food Handler R6510 443515 _____
- HEA004 Frozen Deserts R6510 443501 _____
- HEA005 Health Dept. Housing Isp. R6510 432302 _____
- HEA006 Massage Therapy License R6510 443504 _____
- HEA007 Milk & Cream License R6510 443500 _____
- HEA008 Motel License R6510 443506 _____
- HEA010 Removal of Offal R6510 443513 _____
- HEA021 Removal of Rubbish R6510 443520 _____
- HEA011 Percolation Test Fees R6510 432300 _____
- HEA013 Recreation Camp License R6510 443503 _____
- HEA014 Retail Store Permit R6510 443514 _____
- HEA015 Sanitary Code Booklets R6510 432305 _____
- HEA016 Septic Tank Permit-Installers R6510 443511 _____
- HEA017 Septic Tank Permit-Private R6510 443510 _____
- HEA018 Septic Tank Reinspection Fee R6510 432301 _____
- HEA019 Sub-Division Review Fee R6510 432306 _____
- HEA012 Swimming Pool Permits R6510 443512 _____
- HEA020 Tanning License R6510 443509 _____
- HEA024 Funeral Director License R6510 443502 _____
- HEA034 Immunization Clinic R6510 432307 _____
- HEA030 Car Seats 8407 258004 _____
- HEA026 Smoking & Tobacco Reg. Violations R6510 443518 _____
- HEA023 TB Clinic R6510 432303 _____
- HEA022 Tobacco License R6510 443505 _____
- HEA _____
- HEA _____

① 100 (PLAN)

TOTAL FEE: 100.

[Signature]
Inspection Services Health Department

10/22/02
Date

N.V. ASSOCIATES
NORMAN VEXLER
140 WEST POMEROY LANE
AMHERST, MA 01002
(413) 253-7993

EXPLANATION	AMOUNT
Lot # 3	
Dayton Lane	

5311

53-7233-2118

PAY AMOUNT OF One Hundred (xx/100) DOLLARS

CHECK AMOUNT

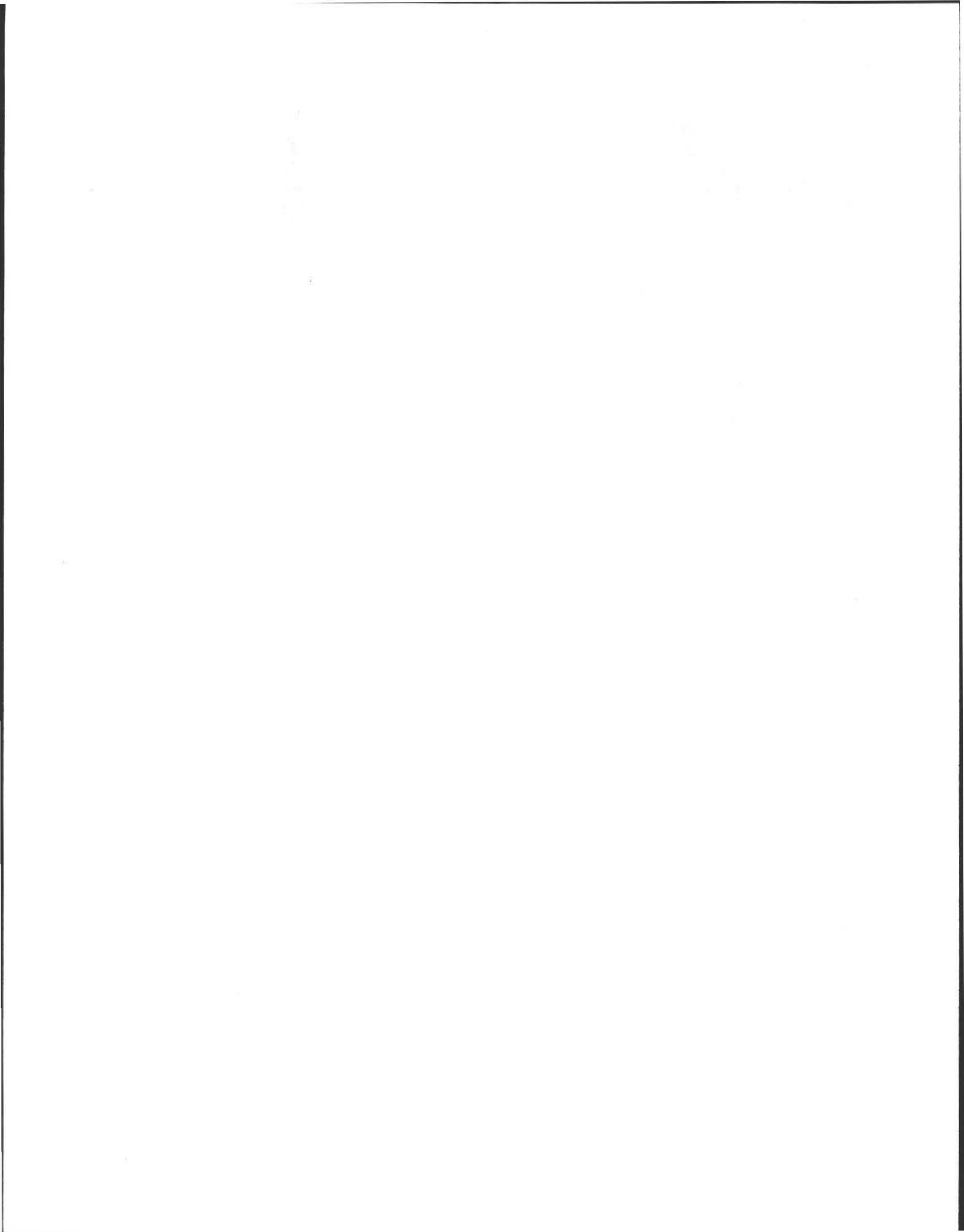
DATE	TO THE ORDER OF	DESCRIPTION	CHECK NUMBER
10/16/02	Town of Amherst	Septic Design Permit	5311

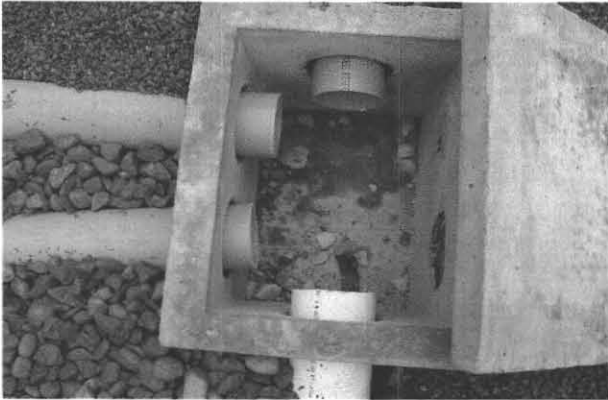
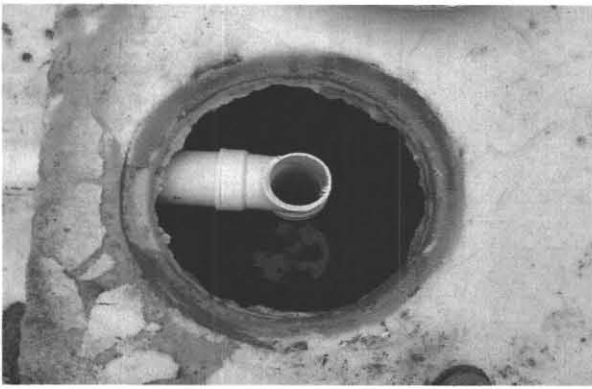
\$ 100.00



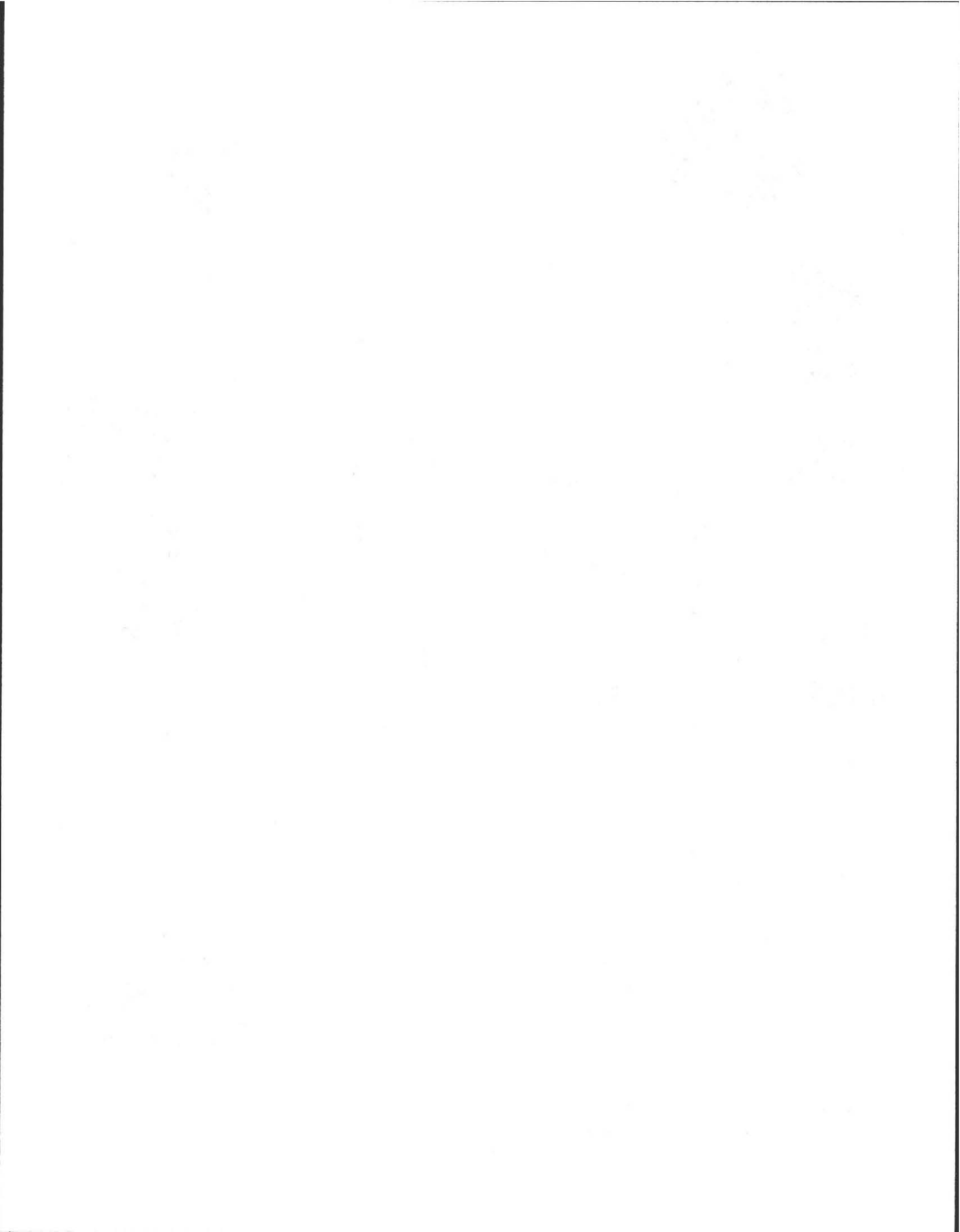
[Signature]

⑈005311⑈ ⑆211872331⑆ 01 25 000669⑈



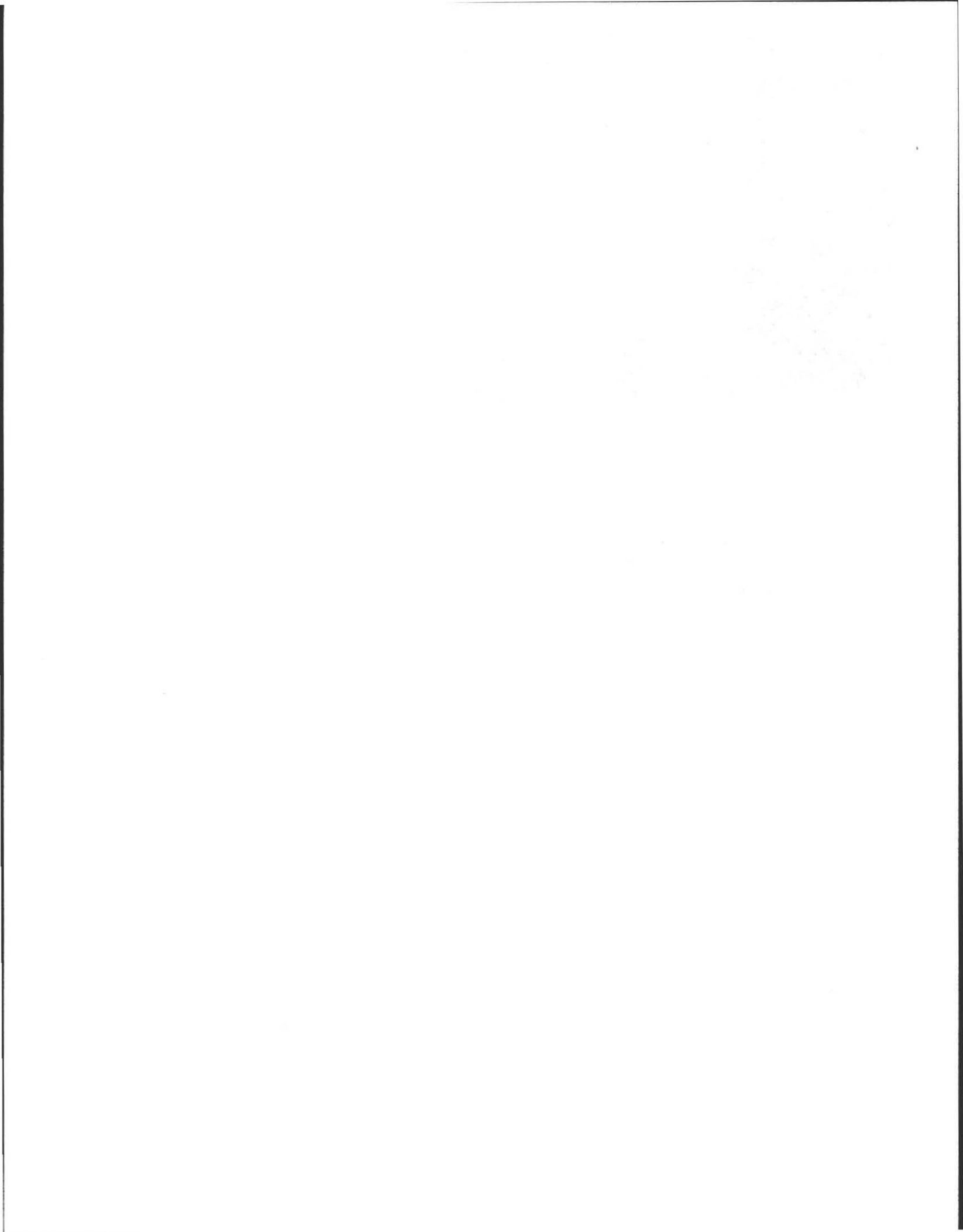


4/7/03 Final insp. 15 Dayton Lane
Installer: Charles Walker Engineer: Alan Weiss

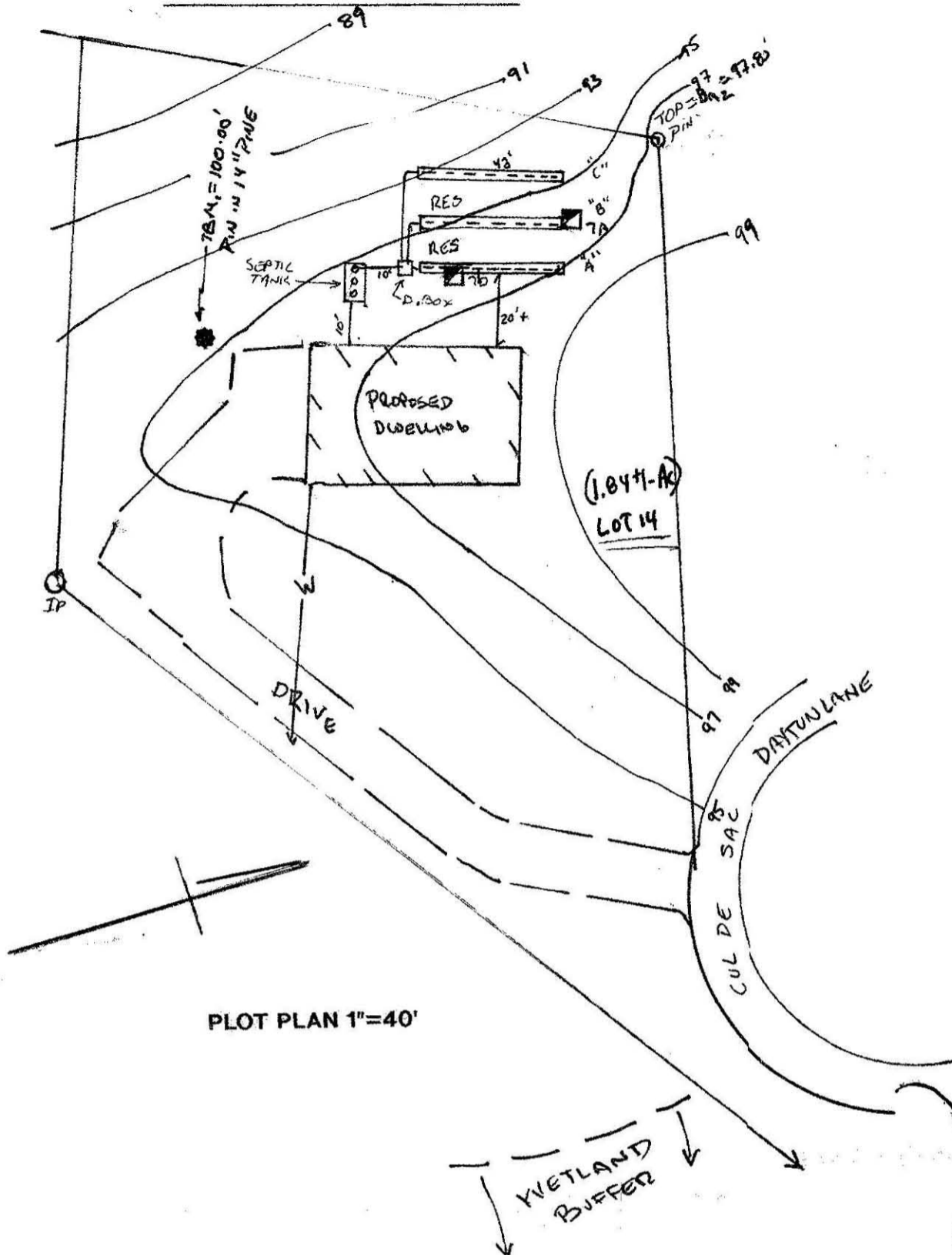




15 Dayton lane 4/7/03
Installer: Charles Walker
Engineer: Alan Weiss



PLOT PLAN (1"=40')

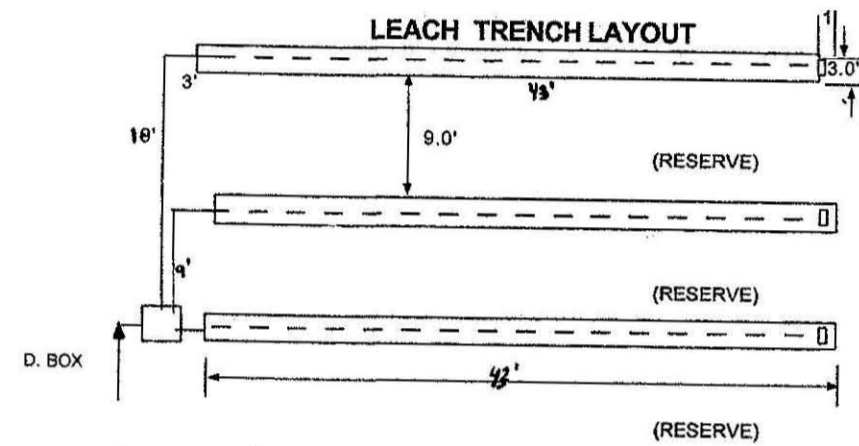
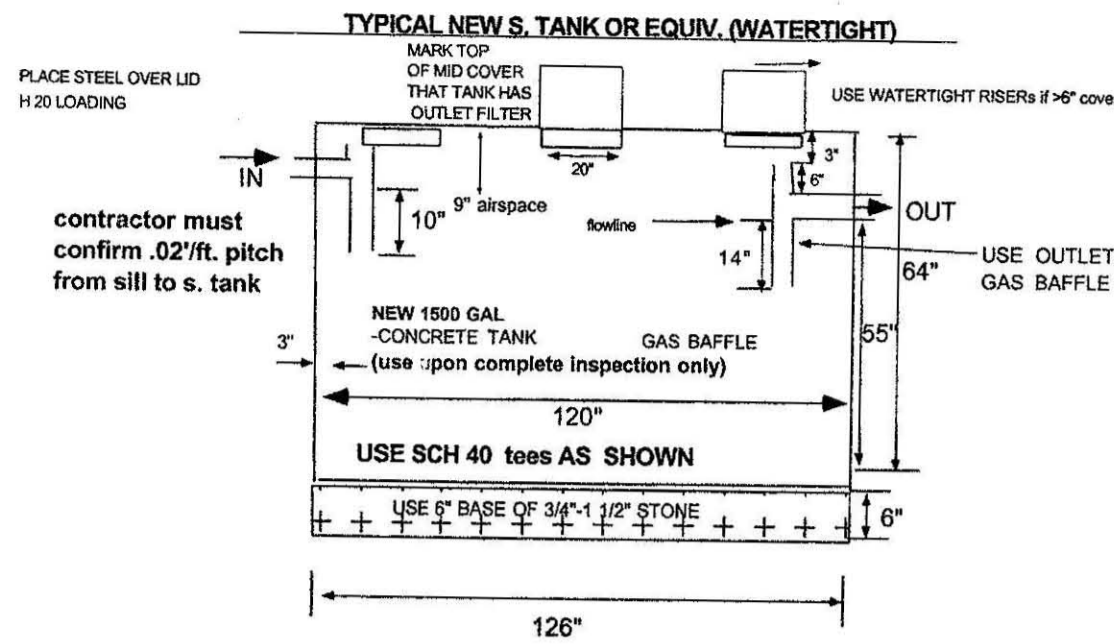
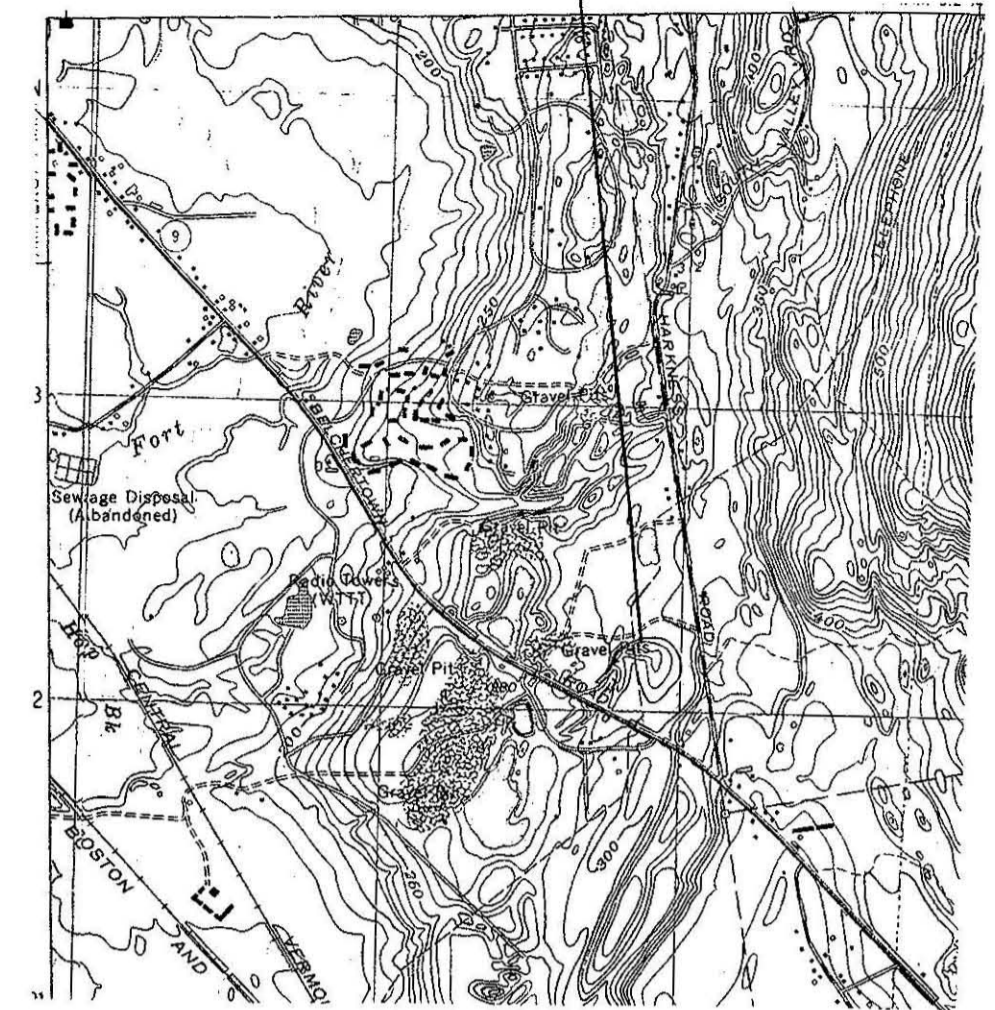


PLOT PLAN 1"=40'

GRAVITY SLOPE SEPTIC SYSTEM OPERATION AND MAINTENANCE NOTES FOR HOMEOWNER:

- HAVE SEPTIC TANK PUMPED EVERY SECOND (2) YEARS.
- MAINTAIN AREA OVER SEPTIC AS GRASSY OR SIMILAR GROUND COVER ATTEMPTING TO MAXIMIZE SUNLIGHT TO AREA.
- DO NOT PLANT ANY TREES OR DEEP ROOTING SHRUBS WITHIN 5 FEET OF LEACHFIELD.
- USE ONLY LIQUID DETERGENTS IN WASHER OR DISHWASHER.
- CONSERVE WATER WHEREVER POSSIBLE TO LENGTHEN LIFE OF SYSTEM.
- KEEP ALL RUNOFF DRAINS SUCH AS GUTTERS OR CURTAIN DRAINS AT LEAST 25 FEET FROM LEACHING FIELD.

SITE LOCUS



- (FROM SEPTIC TANK)
- use tee on inlet @ D.B.
 - run pipes level 2" OUT
 - place water in box for inspection
 - use flow levelers on outlets
- FROM s. tank

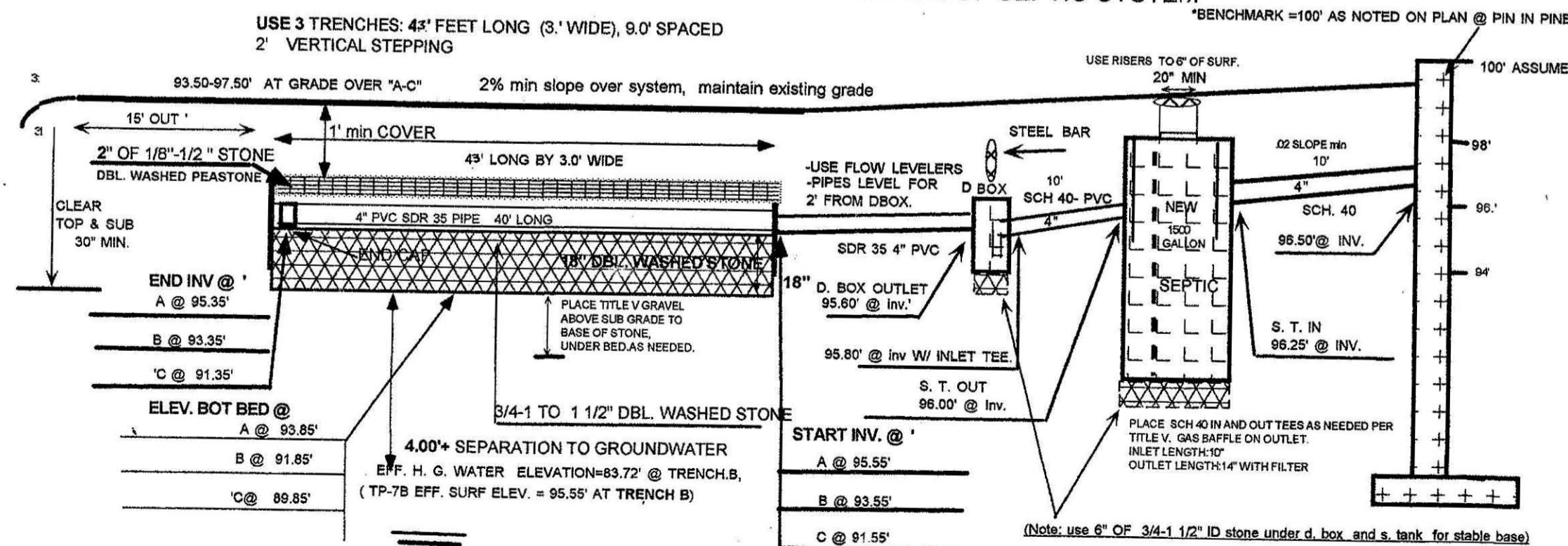
(TO HARKNESS ROAD)



DESIGN NOTES:

- 4 BR. x 110 gal/day x =440 gal/day (4 bedroom design)
- Use Three Leach Trenches: 43' long x 3.0' wide x 18" stone below invert.
Bot. Area: 3.0' wide x 43' long x 3= 387 sf.
Side Area: 1.50'D x 43' L x 2 SIDES x 3= 387 sf.
Side Area 1.50'D x 3.0' W x 2 SIDES x 3= 27 sf
Tot. Area: 801 sf x 0.56 gal.sf. = 449 gal./day. (Soil Evaluator Recommended 15 min/in)
- NO GARBAGE DISPOSAL ALLOWED
- ALL D. BOX OUTLET PIPES LEVEL FOR 2'; TEE AT D. BOX. INLET
- NO WELLS WITHIN 100 FEET OF SYSTEM. (Town Water noted),
- NO WETLANDS WITHIN 150 FEET OF SEPTIC SYSTEM
- PRE & POST CONTOURS NOTED AS NECESSARY.
- RESERVE AREA (BETWEEN TRENCHES).
- SLOPE CALCS APPLIC. REGRADE OVER TRENCHES AS NOTED.
- 9A SUBGRADE INSPECTION REQUIRED
- PLACE (TITLE V) FILL ONLY AS NEEDED) OVER SUBGRADE AS SHOWN
- SOIL EVALUATION TP- 7A & 7B BY K. C. Boysen, 05/11/98, D. Zarozinski, INSP.
- 2.2% MIN. SLOPE OVER SAS UPON FINAL.
PERCS by KC Boysen 48" & 59 RATE= 4 MIN./IN. "LOAMY FINE SAND"
- INSTALL OUTLET GAS BAFFLE AT S. TANK OUTLETS AS NOTED
- INSTALL/INSPECT TEES SCH. 40, (10" INLET, 14" OUTLET) ON 1,500 GAL. S. TANK
- USE APPROVED (1.5") ID DBL WASHED STONE UNDER PIPE & D. BOX CONTRACTOR TO CONFIRM STONE PROPERLY WASHED (WITH BUCKET /H2O TEST) PRIOR TO PLACEMENT.
- NO TREES WITHIN 10 FT. OF NEW LEACHING TRENCH STONE.
- NO FILL WITHIN 10 FEET OF PROPERTY LINE.
- T.B.M1. =100.00"= PIN 14" PINE TREE, AS NOTED ON PLAN

CROSS SECTION OF SEPTIC SYSTEM



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

TEST PIT LOGS

TP-7B EFF ELEV. 95.55' EFF FOR DESIGN OF "B"	TP-7A 95.75'	
0-4" "A" FINE SANDY LOAM	10 YR 3/2	0-4"
4-28" "Bw" FINE SANDY LOAM	10 YR 4/6	4-27"
28-117" "C1" LOAMY FINE SAND, COMPACT,	10 YR 4/4	27"-95"
117-143" FINE SANDY LOAM V. VOMPACT 7.5 YR 4/4		95-147"

NO OXIDES OBSERVED (142" ASSUMED)
ESHGW @ 142", USED IN TP-7B FOR DESIGN @ "TRENCH B"=83.72'
SEEPS AND STATIC= NOT OBS.
BEDROCK @ NOT OBS. (>147")

SEPTIC SYSTEM PLAN FOR NORM VEXLER
LOT 14 HARKNESS ROAD, (DAYTON) JAMHERST

SCALE: NOTED	APPROVED BY: <i>[Signature]</i>	DRAWN BY: AW
DATE: 10/13/02		REVISED
COLD SPRING ENVIRONMENTAL, INC.		DRAWING NUMBER 102-1636-0926