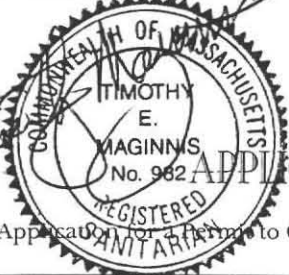


III HIGH POINT



No. 01-14 Revised

FEE (P6)



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 Components

Location <u>HIGH POINT ROAD (#111)</u>	Owner's Name <u>RON BERGUME</u>
Map/Parcel#	Address <u>25 SYLVIA HTS. - HADLEY</u>
Lot# <u>#2 - COMMON DRIVENWAY</u>	Telephone# <u>(413) 549 4072</u>
Installer's Name <u>Karl's Excavation</u>	Designer's Name <u>TIMOTHY MAGINNIS</u>
Address <u>327 - RIVER DRIVE HAD.</u>	Address <u>70 MONTAGUE RD - W HAMPTON</u>
Telephone# <u>(413) 549 - 5396</u>	Telephone# <u>(413) 527 - 5291</u>

Type of Building SINGLE FAMILY Lot Size 6496 ± sq. ft.
 Dwelling - No. of Bedrooms 4 w/ GARBAGE DISPOSAL Garbage grinder
 Other - Type of Building _____ No. of persons 2 Showers , Cafeteria ()
 Other Fixtures _____
 Design Flow (min. required) 440 gpd Calculated design flow 660 Design flow provided ~~440~~ 723.72 gpd
 Plan: Date 9-30-01 Number of sheets 2 Revision Date 9-9-01
 Title PROPOSED SUBSURFACE SEWAGE DISPOSAL SYSTEM
 Description of Soil(s) SEE PLAN & SOIL EVAL. FORM
 Soil Evaluator Form No. _____ Name of Soil Evaluator D. LACOURSE Date of Evaluation 5-15-01

DESCRIPTION OF REPAIRS OR ALTERATIONS _____

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 _____ Date _____

Inspections _____

Revised

No. 01-14

FEE (P6)

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, MA.

CERTIFICATE OF COMPLIANCE

Description of Work: Individual Component(s) Complete System

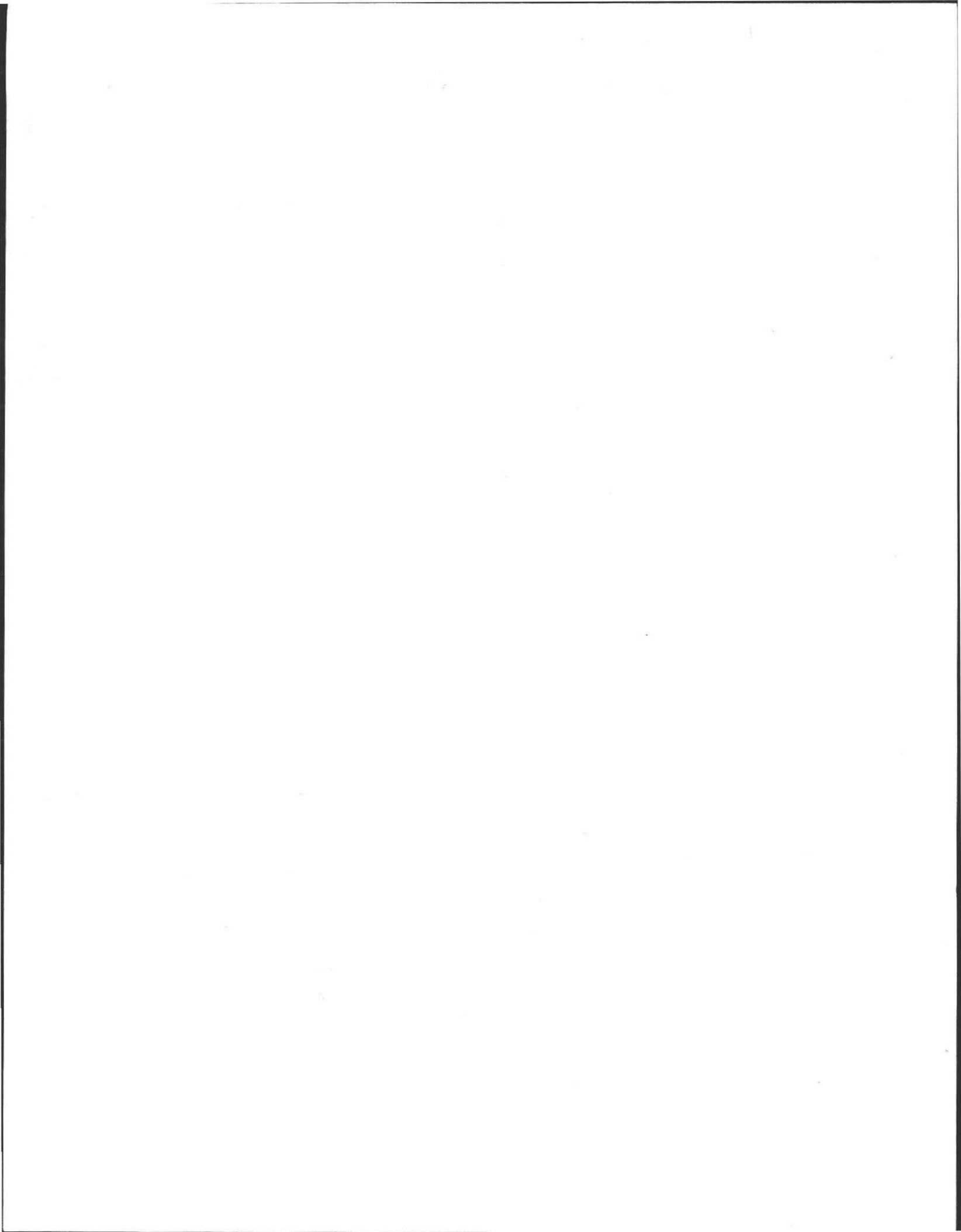
The undersigned hereby certify that the Sewage Disposal System; Constructed (), Repaired (), Upgraded (), Abandoned ()

by: _____
at 111 High Point Drive (Lot 2)

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. 01-14, dated _____, Approved Design Flow _____ (gpd)

Installer _____

Designer: _____ Inspector: _____ Date: _____



EXISTING CONTOURS _____
 FINAL CONTOURS _____ SEE NOTE

TEST PIT DATA

PERFORMED BY: DENNIS LACOURSE - EASTHAMPTON, MA.
 WITNESSED BY: DAVID ZAROZINSKI - HEALTH AGENT
 DATE: MAY 5, 2001
 SOIL CLASS - CLASS I @ 0.74 SQ. FT. / GAL.

PERC TEST DATA

(SEE NOTE # 12)

PERFORMED BY: DENNIS LACOURSE - EASTHAMPTON, MA.
 WITNESSED BY: DAVID ZAROZINSKI - HEALTH AGENT
 DATE: MAY 5, 2001
 SOIL CLASS - CLASS I @ 0.74 SQ. FT. / GAL.

T.P. # 1		T.P. # 2	
ELEV. 97.00		ELEV. 97.00	
A	S / L 10YR 3 / 8 0' - 4"	A	S / L 10YR 3 / 8 0' - 4"
BW	S / L 10YR 4 / 6 4' - 24"	BW	S / L 10YR 4 / 6 4' - 20"
C-1	S / L 10YR 5 / 4 24' - 120"	C-1	S / L 10YR 5 / 4 20' - 120"
STANDING WATER: NONE		STANDING WATER: NONE	
WEEPING: NONE		WEEPING: NONE	
ESHWT: 96' +		ESHWT: 96' +	
DEPTH TO BEDROCK: 120"		DEPTH TO BEDROCK: 120"	

PERC # 1
 DEPTH OF PERC = 44"
 BEGIN SOAK @ 1 : 49 PM
 END SOAK @ 2 : 04 PM
 12" 2 : 04 PM
 9" 2 : 20 PM
 6" 2 : 37 PM
 TIME (9" - 6") = 4" IN 17 MINS.
 PERC RATE = 4 MPI
 DESIGN RATE = 4 MPI - CLASS I @ 0.74 SQ. FT. / GAL.

AS - BUILT DIMENSIONS

CONTRACTOR TO TAKE TWO TILES FROM REFERENCED POINTS (A - B - C - D - E) AND RECORD DISTANCES ON PLAN.
 FEET
 'A' to 'C' = _____
 'A' to 'D' = _____
 'B' to 'C' = _____
 'B' to 'D' = _____

DESIGN CALCULATIONS

4 BEDROOM HOUSE @ 110 GALS. / BEDROOM = 440 GPD = DAILY FLOW
 440 GPD x 1.5 = 660 GPD = CALCULATED DAILY FLOW
 MIN. SQ. FT. REQ. = 660 GPD x 0.74 GALS / SQ. FT. = 892 SQ. FT.
 SIDES: (80'L x 1.5'H)4 = 480 SQ. FT. x .74 GALS / SQ. FT. = 355.20 GALS.
 ENDS: (3'W x 1.5'H)4 = 18 SQ. FT. x .74 GALS / SQ. FT. = 13.32 GALS.
 BOTTOMS: (80'L x 3'W)2 = 480 SQ. FT. x 0.74 GALS / SQ. FT. = 355.20 GALS.
 978 SQ. FT. x .74 GALS / SQ. FT. = 723.72 GPD = DESIGN LOAD

DAILY FLOW = 440 GPD
 CALCULATED DAILY FLOW = 660 GPD
 DESIGN LOAD = 723.72 GPD

GARBAGE DISPOSAL NOT RECOMMENDED

CONSTRUCTION NOTES

1. PROPOSED SEPTIC TANK AND DISTRIBUTION BOX TO BE INSTALLED LEVEL AND TRUE TO GRADE ON A STABLE LEVEL BASE THAT HAS BEEN MECHANICALLY COMPACTED AND ONTO WHICH 6" OF CRUSHED STONE HAS BEEN PLACED TO MINIMIZE SETTLING.
2. SEPTIC TANK SHOULD BE INSPECTED AND CLEANED AT LEAST EVERY THREE YEARS.
3. SEPTIC TANK AND DISTRIBUTION BOX PIPES BE MINIMUM SCH 35, 4" PVC SOLID.
4. DISTRIBUTION BOX OUTLET PIPES TO BE LAID LEVEL FOR AT LEAST TWO FEET.
5. PROPERTY LINES ARE SHOWN FOR REFERENCE ONLY. ALL SETBACK REQUIREMENTS OF THE STATE SANITARY CODE TITLE-V SHALL BE MET. * NOT FOR CONVEYANCE *
6. NO EXISTING WELLS LOCATED WITHIN 200' OF PROPOSED LEACHING BED. PROPOSED WELLS SHOWN FOR REFERENCED ONLY. MAINTAIN MIN. 100' FROM SAS AS PER TITLE-5 AND 150' IF THE TOWN OF AMHERST REQUIRES IT.
7. WATER LINE SHOWN FOR REFERENCE ONLY. ACTUAL POINT OF ENTRY MAY VARY.
8. ALL WORK TO BE DONE IN ACCORDANCE WITH THE STATE SANITARY CODE TITLE - 5.
9. LOCATION AND CONFIGURATION OF HOUSE IS SHOWN FOR REFERENCE ONLY. ACTUAL SIZE, CONFIGURATION AND LOCATION MAY VARY.
10. EXPOSED SOIL TO BE LOAMED, GRADED AND SEEDDED UPON COMPLETION TO PREVENT SOIL FROM WASHING OUT.
11. THIS SYSTEM IS DESIGNED FOR A GARBAGE DISPOSAL. HOWEVER A GARBAGE DISPOSAL IS NOT RECOMMENDED.
12. DUE TO MULTIPLE PERC TESTS ON THIS SITE BOARD OF HEALTH AGENT HAS ALLOWED ONLY ONE PERC TEST FOR THIS LOT.
13. THERE SHALL BE A 2" COVER OF DOUBLE WASHED STONE OVER EACH TRENCH.

PROPOSED INVERT ELEVATIONS

	TRENCH # 1	TRENCH # 2
BOTTOM OF STONE	94.00	93.50
INVERT END OF PIPES	95.50	95.00
INVERT IN PIPES	95.90	95.40
FINISH GRADE	97.50	97.00

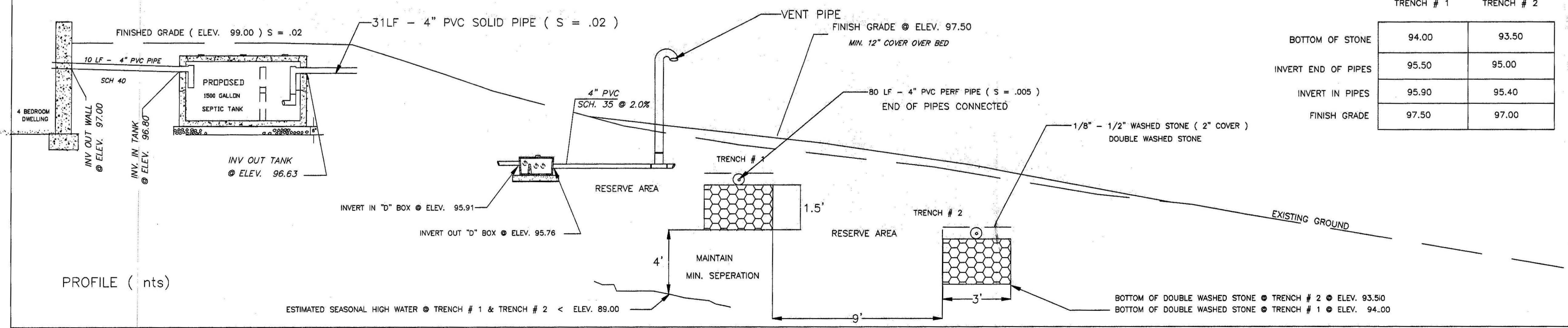
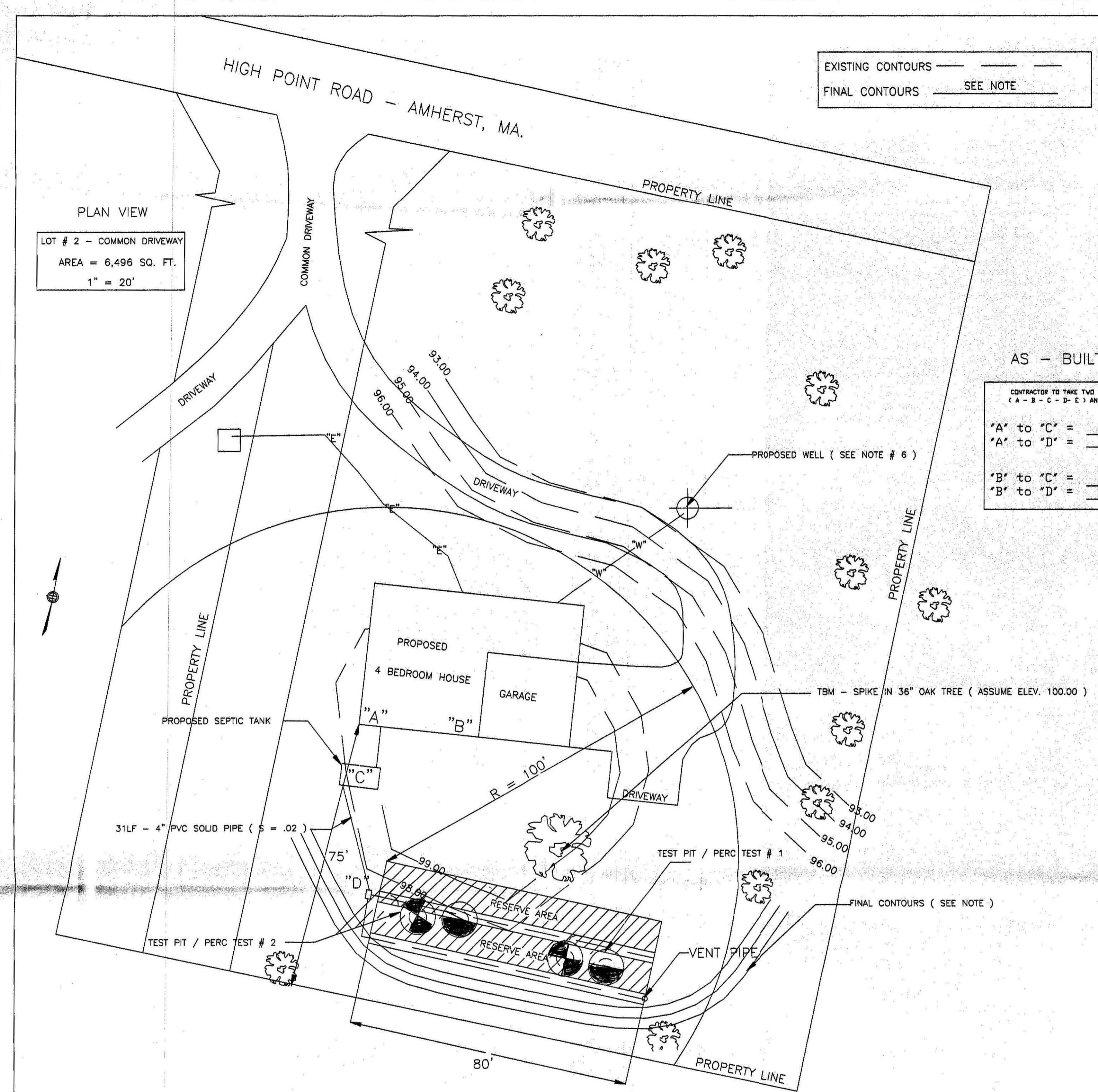
FINISH GRADE NOTE

BERCUME BUILDERS TO DETERMINE FINAL GRADE ELEVATIONS AROUND HOUSE. PROPOSED ELEVATIONS ARE MINIMUMS ONLY.

4 LEACHING TRENCHES

(40'L x 3'W x 1.5'H) each

LOT # 2 - HIGH POINT ROAD - AMHERST, MA.
 COMMON DRIVEWAY
 FOR: BERCUME BUILDERS - HADLEY, MA.
 BY: TIMOTHY E. MAGINNIS R.S. - WESTHAMPTON, MA. 010
 (413) 527 - 5291
 SEPT. 9, 2001 PG. 1 OF 2 SCALE: AS NOTED

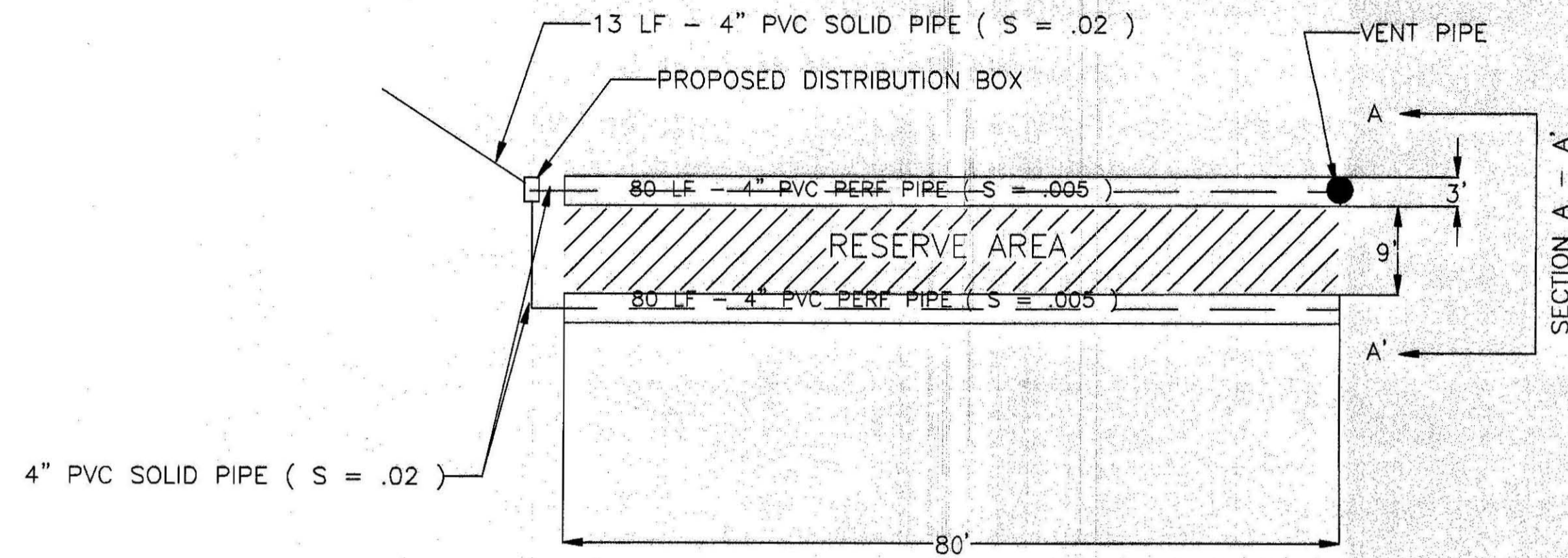


Place ok 9/19/01

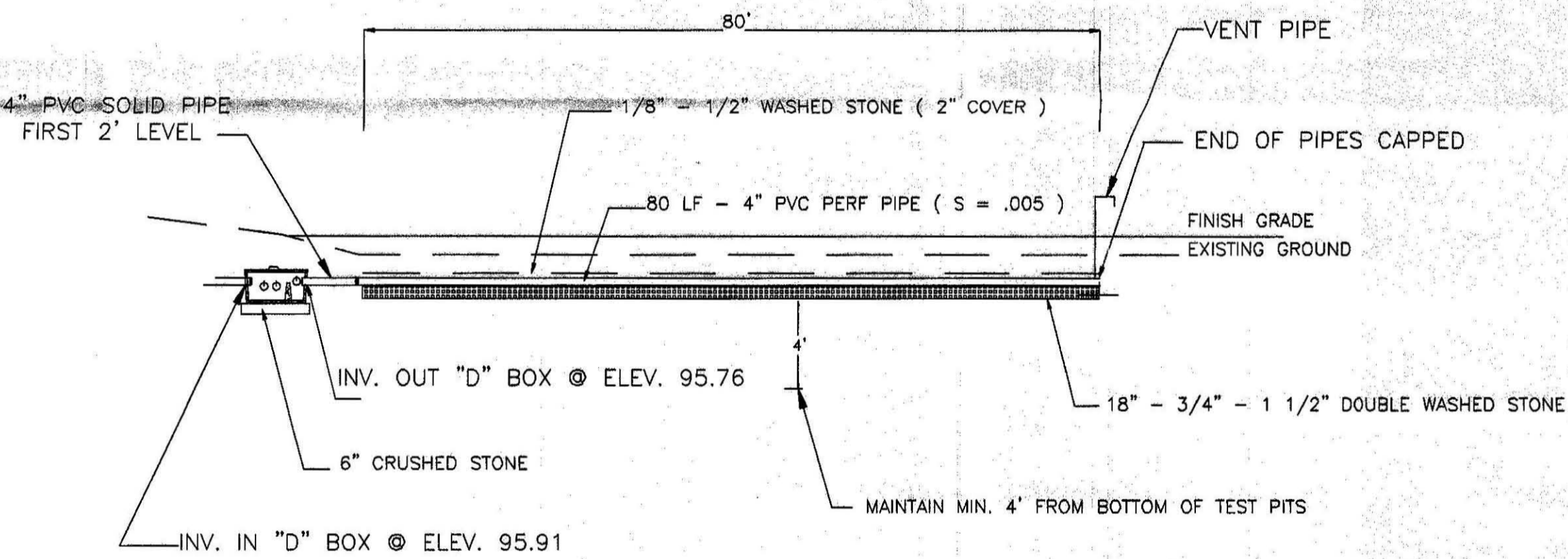
LEACHING TRENCH DETAIL

2 TRENCHES @ (80'L x 3'W x 1.5"D)

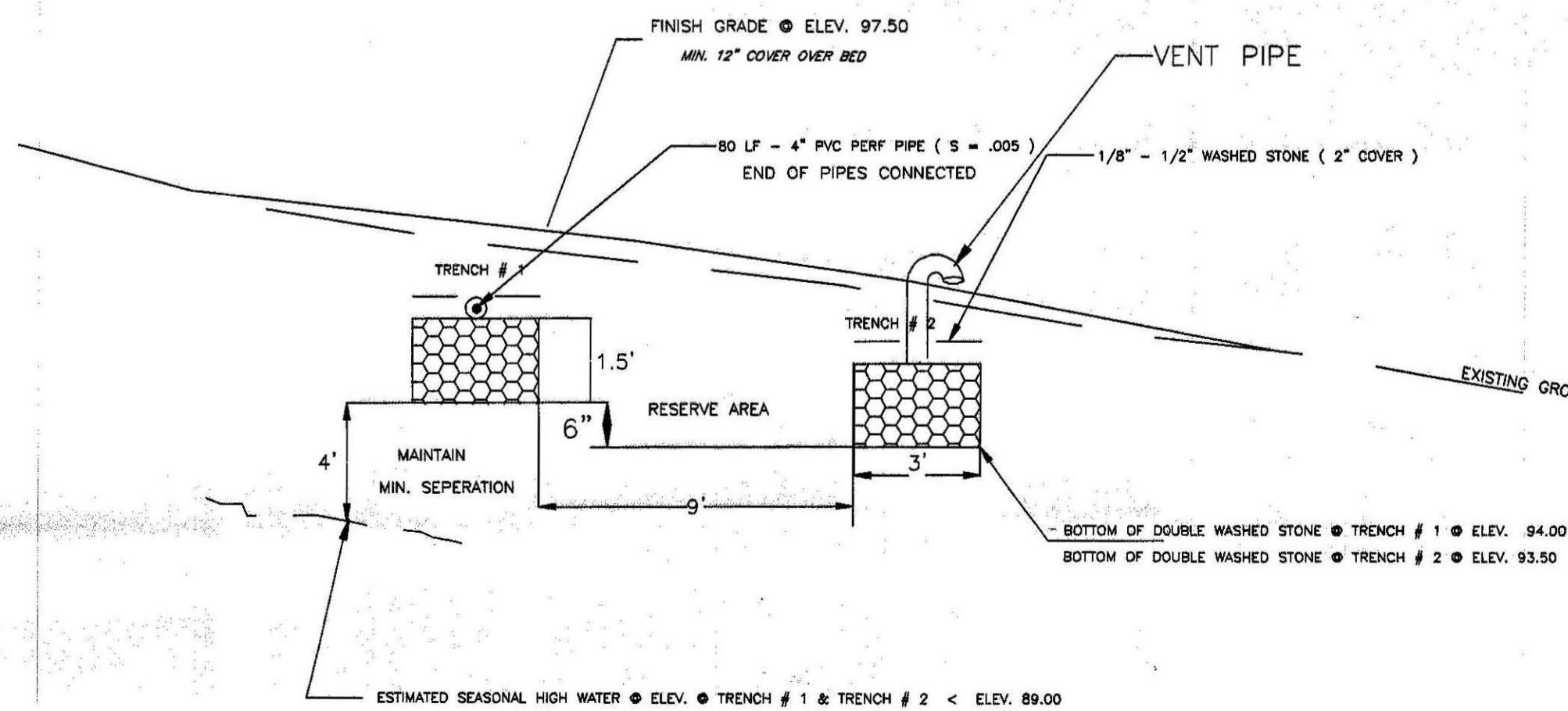
TOP VIEW
(NTS)



ELEVATION VIEW
(NTS)

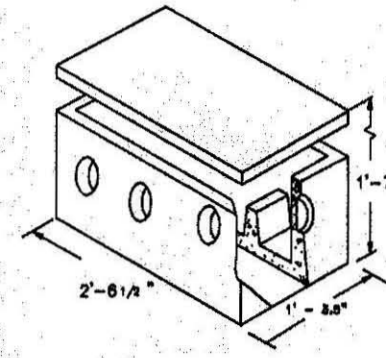


SECTION A - A'
(NTS)

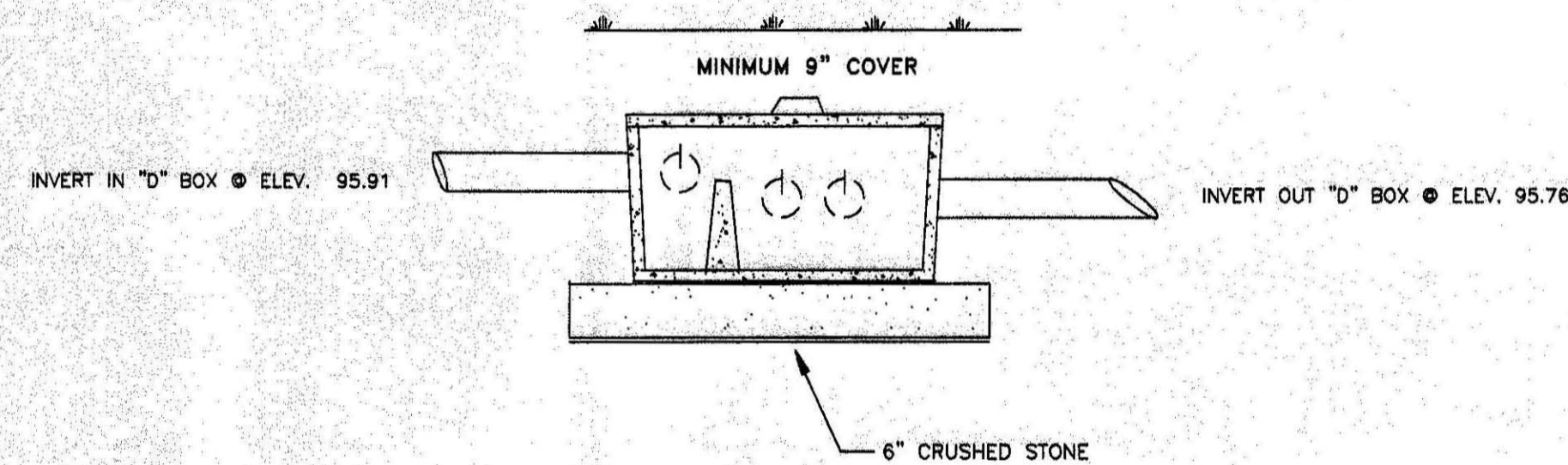


TYPICAL DISTRIBUTION BOX

(NTS)



1. CONCRETE - 4000 p.s.i., 28 DAYS
2. REINFORCEMENT - ASTM A-615, GRADE 60 (HEAVY DUTY REINFORCEMENT AVAILABLE)



CONTRACTOR NOTES

1. WATER TIGHT SEAL BY GROUTING FOR PIPES ENTERING OR LEAVING CONCRETE STRUCTURES.
2. WASHED STONE SHALL BE FREE OF IRON, FINES, DUST, AND ORGANIC MATTER.
3. NO MODIFICATIONS WITHOUT APPROVAL OF ENGINEER AND BOARD OF HEALTH.
4. ALL COMPONENTS TO BE INSTALLED IN ACCORDANCE WITH TITLE 5 OF THE STATE ENVIRONMENTAL CODE AND ALL APPLICABLE LOCAL BOARD OF HEALTH RULES.
5. THE SYSTEM SHALL BE INSPECTED WHEN LEACHING AREA IS COMPLETELY EXCAVATED AND AGAIN WHEN ALL COMPONENTS ARE IN PLACE. CONTRACTOR SHALL NOTIFY THE BOARD OF HEALTH WHEN INSPECTION IS REQUIRED.
6. NO HEAVY EQUIPMENT IS TO OPERATE OVER THE LIMITS OF THE SYSTEM DURING AND AFTER THE COURSE OF CONSTRUCTION OF THE SYSTEM.
7. ALL PIPES JOINTS OF THE BUILDING SEWER SHALL BE MADE WATERTIGHT.
8. ALL SHIPLAP JOINTS IN SEPTIC TANK TO BE SEALED WITH NEOPRENE GASKETS OR ASPHALT CEMENT.
9. A CERTIFICATE OF COMPLIANCE AS ISSUED BY THE BOARD OF HEALTH MUST BE OBTAINED BY THE CONTRACTOR UPON COMPLETION OF THE SYSTEM.
10. AT ALL POINTS OF INTERSECTION OF WATER AND SEWER LINES, CLASS 150 PRESSURE PIPE SHALL BE INSTALLED FOR BOTH PIPES 10 FEET EITHER SIDE OF INTERSECTION.
11. STRUCTURE TO HAVE CAST IRON OR CONCRETE COVER BUILT UP WITH BRICK AND MORTAR TO WITHIN 12 INCHES OF FINISHED GRADE.

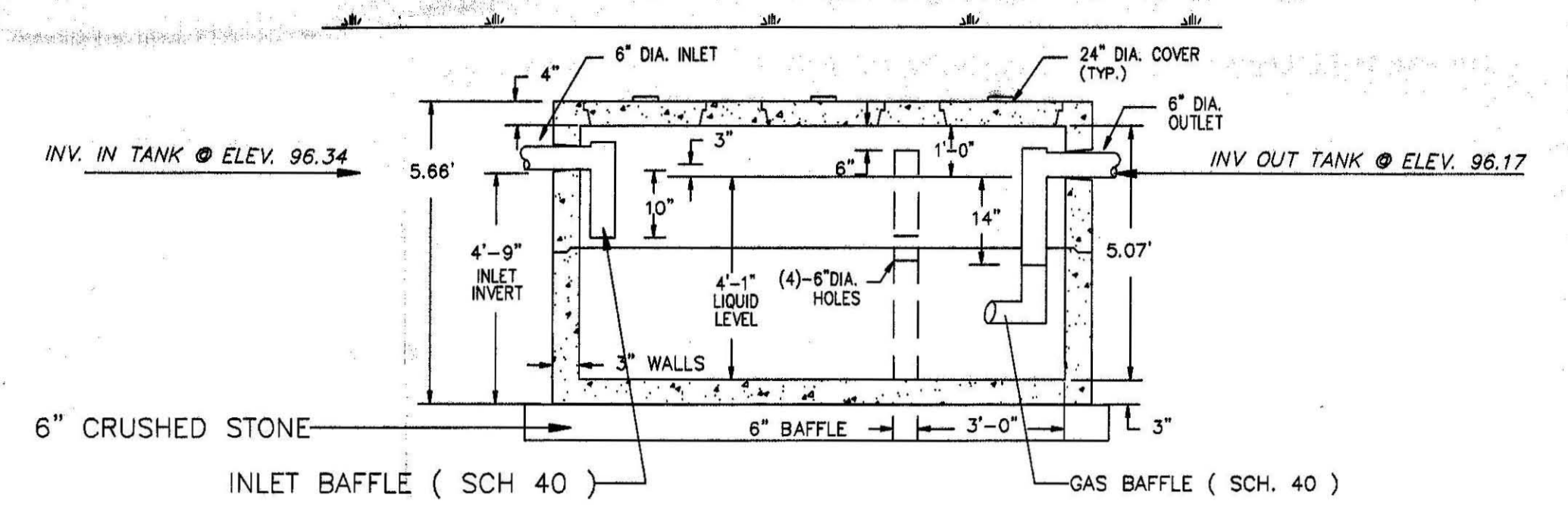
FINISH GRADE NOTE

BERCUME BUILDERS TO DETERMINE FINAL GRADE ELEVATIONS AROUND HOUSE. PROPOSED ELEVATIONS ARE MINIMUMS ONLY.

PROPOSED INVERT ELEVATIONS

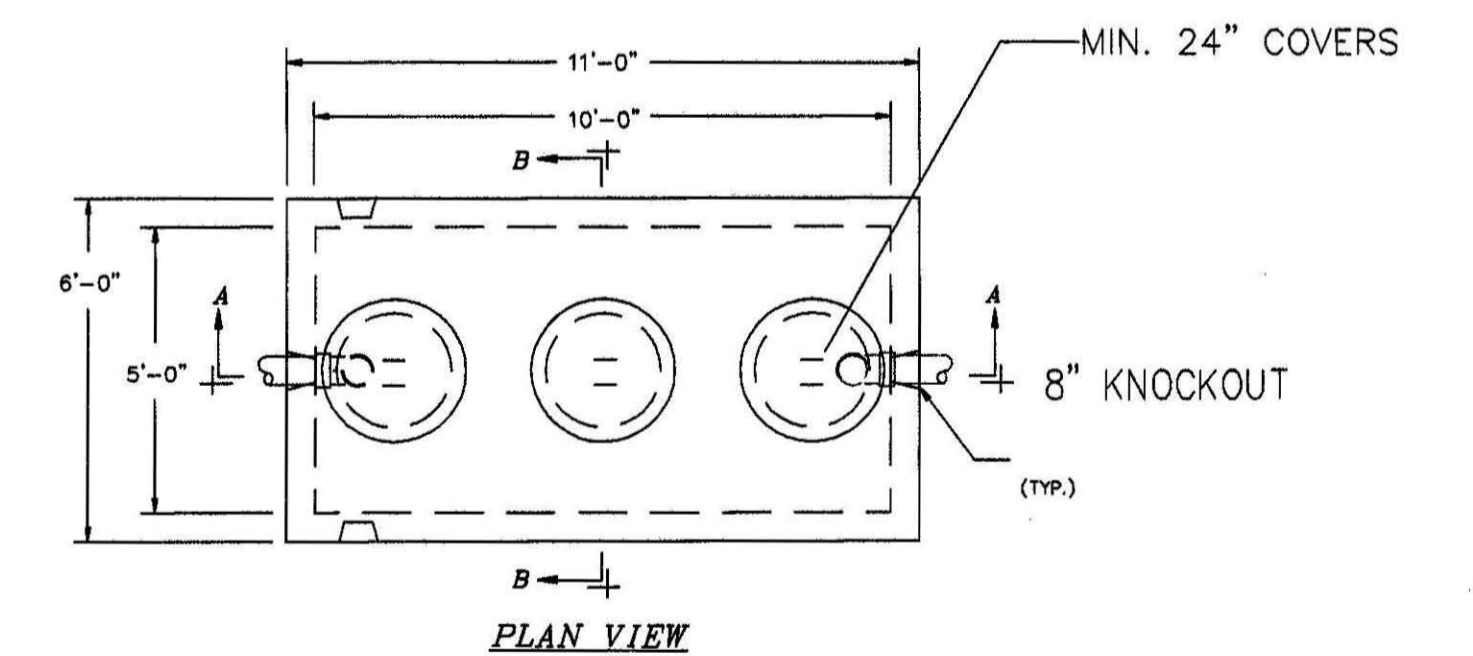
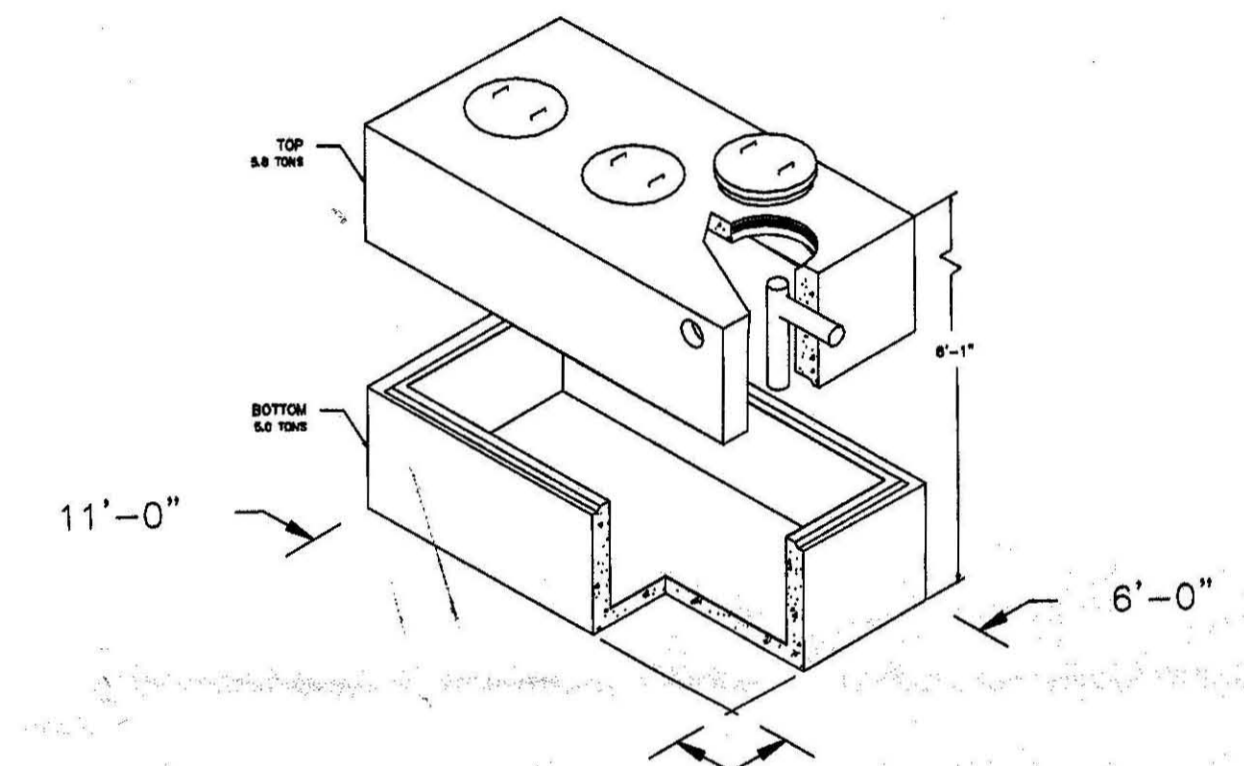
	TRENCH # 1	TRENCH # 2
BOTTOM OF STONE	94.00	93.50
INVERT END OF PIPES	95.50	95.00
INVERT IN PIPES	95.90	95.40
FINISH GRADE	97.50	97.00

PROPOSED SEPTIC TANK
1500 GALLONS
(NTS)



SPECIFICATIONS

- STEEL REINFORCEMENT - ASTM A-615 GR. 60, A-185 OR A-497, 1" MIN. COVER
 CONCRETE MIN. STRENGTH - 5,000 P.S.I. @ 28 DAYS
 DESIGN LOADING - AASHTO HS20-44
 EARTH COVER - 0 TO 5 FEET
 WATER TABLE - 3 1/2 FEET BELOW FINISHED GRADE
 CONSTRUCTION JOINT - SEALED WITH 1" DIA. BUTYL RUBBER OR EQUIVALENT
 TEES - PROVIDED AND INSTALLED BY OTHERS



SEPTIC TANK CALCULATIONS

4 BEDROOM HOUSE @ 110 GAL/BEDROOM = 440 GPD
 440 x 200 % = 880 GALLONS
 USE : 1500 GALLON COMPARTMENTIZED TANK

1st COMPARTMENT:
 4' - 1" L x 6' - 6" W x 5' H = 132.70 CF
 132.70 CF x 7.48 (GAL/SF) = 992.57 GALLONS
 992.57 GALLONS x 440 GPD = 2.25 DAYS

2nd COMPARTMENT:
 4' - 1" L x 5' W x 3' H = 61.25 CF
 61.25 CF x 7.48 (GAL/SF) = 458 GALLONS
 458 GALLONS x 440 GPD = 1.04 DAYS

THEN: 2.25 DAYS + 1.04 DAYS = 3.29 DAYS DETENTION TIME

*Plan OK
9/19/01
DJ*

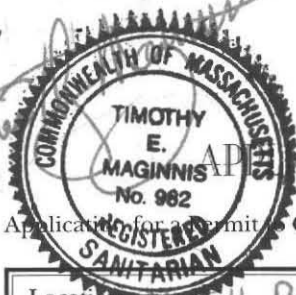
COMPONENT DETAIL

LOT # 2 - HIGH POINT ROAD - AMHERST, MA.
 COMMON DRIVEWAY
 FOR: BERCUME BUILDERS - HADLEY, MA.
 BY: TIMOTHY E. MAGINNIS R.S. - WESTHAMPTON, MA. 01027
 (413) 527 - 5291
 SEPT. 10, 2001 PG. 2 OF 2 SCALE: AS NOTED

Timothy E. Maginnis
 REGISTERED SANITARIAN
 No. 962

No. 01-14

FEE (PB)



COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, MA.

APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT

Application for a permit to Construct (X) Repair () Upgrade () Abandon () - Complete System (X) Individual Components ()

Table with 2 columns: Location, Map/Parcel#, Lot#, Installer's Name, Address, Telephone# and Owner's Name, Address, Telephone#, Designer's Name, Address, Telephone#.

Type of Building SINGLE FAMILY Lot Size 6496 sq. ft. Dwelling - No. of Bedrooms 4 w/ GARBAGE DISPOSAL Garbage grinder (X) Other - Type of Building No. of persons 8 Showers (X), Cafeteria () Other Fixtures Design Flow (min. required) 440 gpd Calculated design flow 660 Design flow provided 723.72 gpd Plan: Date 7-30-01 Number of sheets 2 Revision Date 9-9-01 Title Proposed subsurface Sewage Disposal System Description of Soil(s) SEE PLAN & SOIL EVAL. FORM Soil Evaluator Form No. Name of Soil Evaluator D. LACOURSE Date of Evaluation 5-15-01

DESCRIPTION OF REPAIRS OR ALTERATIONS

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 Date

Inspections

No. 01-14

FEE (PB)

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, MA.

CERTIFICATE OF COMPLIANCE

Description of Work: Individual Component(s) Complete System (X)

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

by: PART 5 at 111 High Point Drive (LOT 2)

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. 01-14, dated Approved Design Flow (gpd)

Installer Karlynn by S... Designer: Timothy Maginnis Inspector: [Signature] Date: 11-29-01

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

No. 01-14

FEE (PB)

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, MA.

DISPOSAL SYSTEM CONSTRUCTION PERMIT

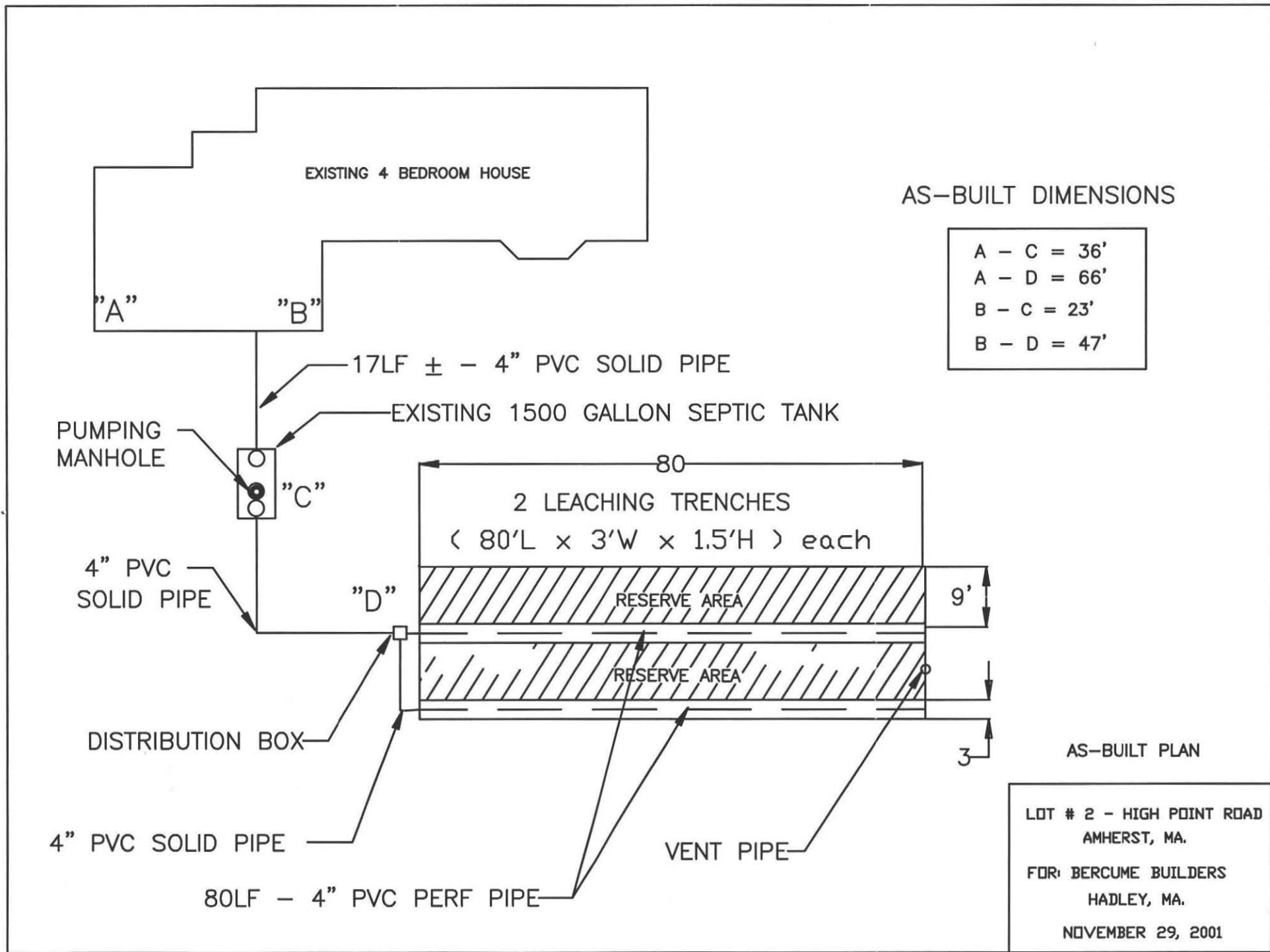
Permission is hereby granted to: Construct (X) Repair () Upgrade () Abandon () an individual sewage disposal system at 111 High Point Drive as described in the application for Disposal System Construction Permit No. 01-14, dated 9/17/01.

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

Date 9/19/01 Board of Health [Signature]



[Faint, illegible handwritten text and markings covering the majority of the page. Some faint words like "RECEIVED" and "DEPT" are visible.]

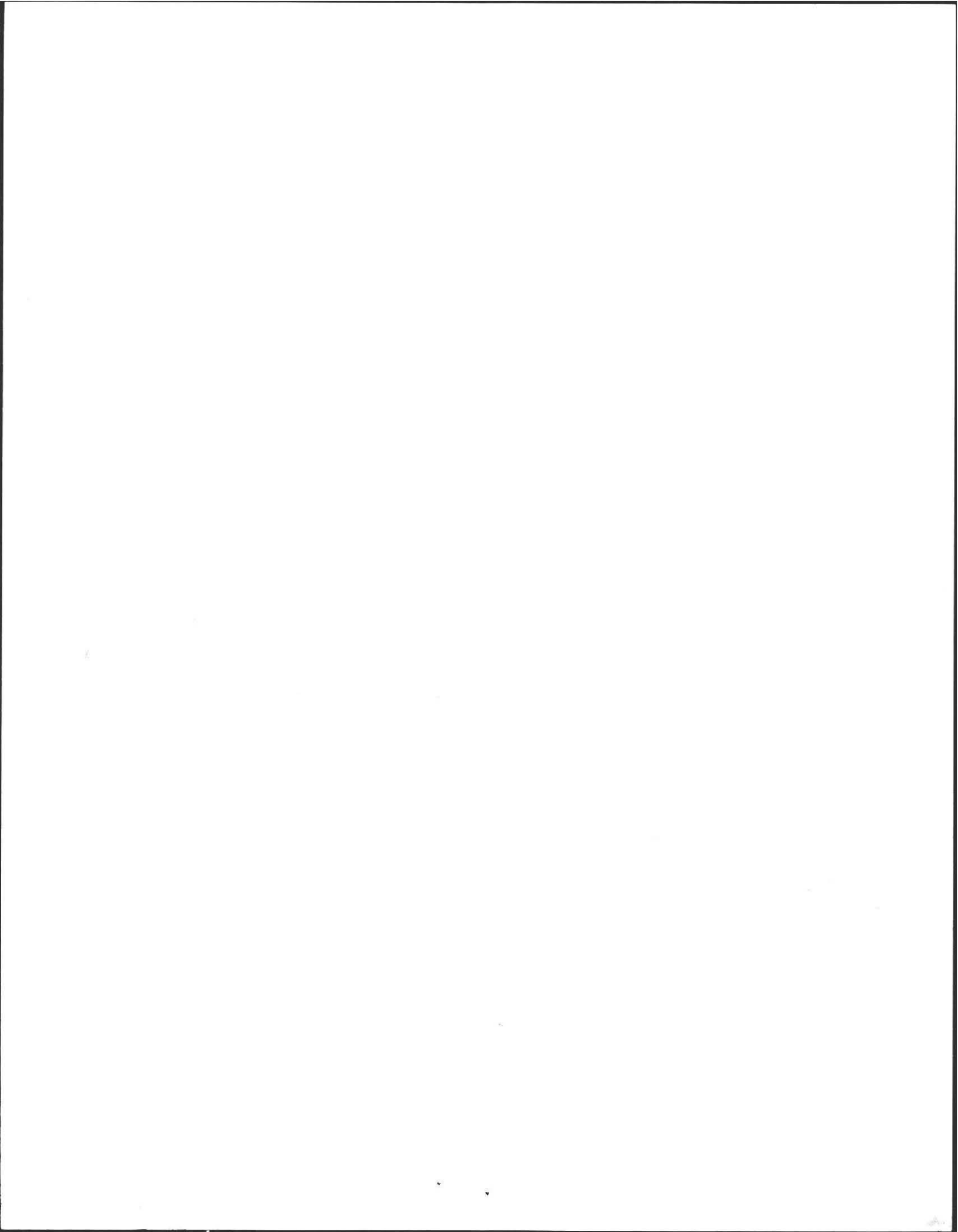


AS-BUILT DIMENSIONS

A - C	= 36'
A - D	= 66'
B - C	= 23'
B - D	= 47'

AS-BUILT PLAN

LOT # 2 - HIGH POINT ROAD
 AMHERST, MA.
 FOR: BERCUME BUILDERS
 HADLEY, MA.
 NOVEMBER 29, 2001



HIGH POINT ROAD - AMHERST, MA.

EXISTING CONTOURS _____
FINAL CONTOURS _____ SEE NOTE

TEST PIT DATA

PERFORMED BY: DENNIS LACOURSE - EASTHAMPTON, MA
WITNESSED BY: DAVID ZARZINSKI - HEALTH AGENT
DATE: MAY 5, 2001
SOIL CLASS - CLASS I @ 0.74 SQ. FT. / GAL.

PERC TEST DATA

< SEE NOTE # 12 >

PERFORMED BY: DENNIS LACOURSE - EASTHAMPTON, MA
WITNESSED BY: DAVID ZARZINSKI - HEALTH AGENT
DATE: MAY 5, 2001
SOIL CLASS - CLASS I @ 0.74 SQ. FT. / GAL.

PLAN VIEW
LOT # 2 - COMMON DRIVEWAY
AREA = 6,496 SQ. FT.
1" = 20'

AS - BUILT DIMENSIONS

CONTRACTOR TO TAKE TWO TILES FROM REFERENCED POINTS (A - B - C - D - E) AND RECORD DISTANCES ON PLAN.
- FEET -
'A' to 'C' = _____
'A' to 'D' = _____
'B' to 'C' = _____
'B' to 'D' = _____

T.P. # 1		T.P. # 2	
ELEV. 97.00	A S/L 0-4"	ELEV. 97.00	A S/L 0-4"
101R 3/8		101R 3/8	
BW S/L 4'-24"		BW S/L 4'-20"	
101R 4/6		101R 4/6	
C-1 S/L 24'-120"		C-1 S/L 20'-120"	
101R 5/4		101R 5/4	
STANDING WATER: NONE		STANDING WATER: NONE	
WEEPING: NONE		WEEPING: NONE	
ESHW: 96'+		ESHW: 96'+	
DEPTH TO BEDROCK: 120"		DEPTH TO BEDROCK: 120"	

PERC # 1
DEPTH OF PERC = 44"
BEGIN SOAK @ 1:49 PM
END SOAK @ 2:04 PM
12" 2:04 PM
9" 2:20 PM
6" 2:37 PM
TIME (9" - 6") = 4" IN 17 MINS.
PERC RATE = 4 MPI
DESIGN RATE = 4 MPI - CLASS I @ 0.74 SQ. FT. / GAL.

DESIGN CALCULATIONS

4 BEDROOM HOUSE @ 110 GALS. / BEDROOM = 440 GPD = DAILY FLOW
440 GPD x 1.5 = 660 GPD = CALCULATED DAILY FLOW
MIN. SQ. FT. REQ. = 660 GPD x 0.74 GALS. / SQ. FT. = 992 SQ. FT.
SIDES: (80'L x 1.5'H)4 = 480 SQ. FT. x .74 GALS. / SQ. FT. = 355.20 GALS.
ENDS: (3'W x 1.5'H)4 = 18 SQ. FT. x .74 GALS. / SQ. FT. = 13.32 GALS.
BOTTOMS: (80'L x 3'W)2 = 480 SQ. FT. x 0.74 GALS. / SQ. FT. = 355.20 GALS.
978 SQ. FT. x .74 GALS. / SQ. FT. = 723.72 GPD = DESIGN LOAD

DAILY FLOW = 440 GPD
CALCULATED DAILY FLOW = 660 GPD
DESIGN LOAD = 723.72 GPD

CONSTRUCTION NOTES

- PROPOSED SEPTIC TANK AND DISTRIBUTION BOX TO BE INSTALLED LEVEL AND TRUE TO GRADE ON A STABLE LEVEL BASE THAT HAS BEEN MECHANICALLY COMPACTED AND ONTO WHICH 6" OF CRUSHED STONE HAS BEEN PLACED TO MINIMIZE SETTLING.
- SEPTIC TANK SHOULD BE INSPECTED AND CLEANED AT LEAST EVERY THREE YEARS.
- SEPTIC TANK AND DISTRIBUTION BOX PIPES BE MINIMUM SCH 35, 4" PVC SOLID.
- DISTRIBUTION BOX OUTLET PIPES TO BE LAID LEVEL FOR AT LEAST TWO FEET.
- PROPERTY LINES ARE SHOWN FOR REFERENCE ONLY. ALL SETBACK REQUIREMENTS OF THE STATE SANITARY CODE TITLE-V SHALL BE MET. * NOT FOR CONVEYANCE *
- NO EXISTING WELLS LOCATED WITHIN 200' OF PROPOSED LEACHING BED. PROPOSED WELLS SHOWN FOR REFERENCED ONLY. MAINTAIN MIN. 100' FROM SAS AS PER TITLE-5 AND 150' IF THE TOWN OF AMHERST REQUIRES IT.
- WATER LINE SHOWN FOR REFERENCE ONLY. ACTUAL POINT OF ENTRY MAY VARY.
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE STATE SANITARY CODE TITLE - 5.
- LOCATION AND CONFIGURATION OF HOUSE IS SHOWN FOR REFERENCE ONLY. ACTUAL SIZE, CONFIGURATION AND LOCATION MAY VARY.
- EXPOSED SOIL TO BE LOAMED, GRADED AND SEEDING UPON COMPLETION TO PREVENT SOIL FROM WASHING OUT.
- THIS SYSTEM IS DESIGNED FOR A GARBAGE DISPOSAL. HOWEVER A GARBAGE DISPOSAL IS NOT RECOMMENDED.
- DUE TO MULTIPLE PERC TESTS ON THIS SITE BOARD OF HEALTH AGENT HAS ALLOWED ONLY ONE PERC TEST FOR THIS LOT.
- THERE SHALL BE A 2" COVER OF DOUBLE WASHED STONE OVER EACH TRENCH.

GARBAGE DISPOSAL NOT RECOMMENDED

PROPOSED INVERT ELEVATIONS

	TRENCH # 1	TRENCH # 2
BOTTOM OF STONE	94.00	93.50
INVERT END OF PIPES	95.50	95.00
INVERT IN PIPES	95.90	95.40
FINISH GRADE	97.50	97.00

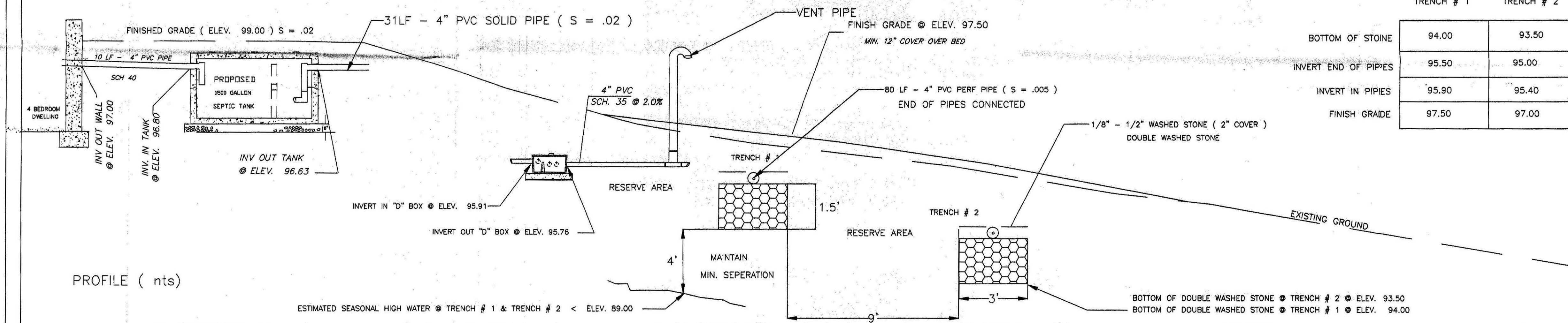
FINISH GRADE NOTE

BERCUME BUILDERS TO DETERMINE FINAL GRADE ELEVATIONS AROUND HOUSE. PROPOSED ELEVATIONS ARE MINIMUMS ONLY.

4 LEACHING TRENCHES

< 40'L x 3'W x 1.5'H > each

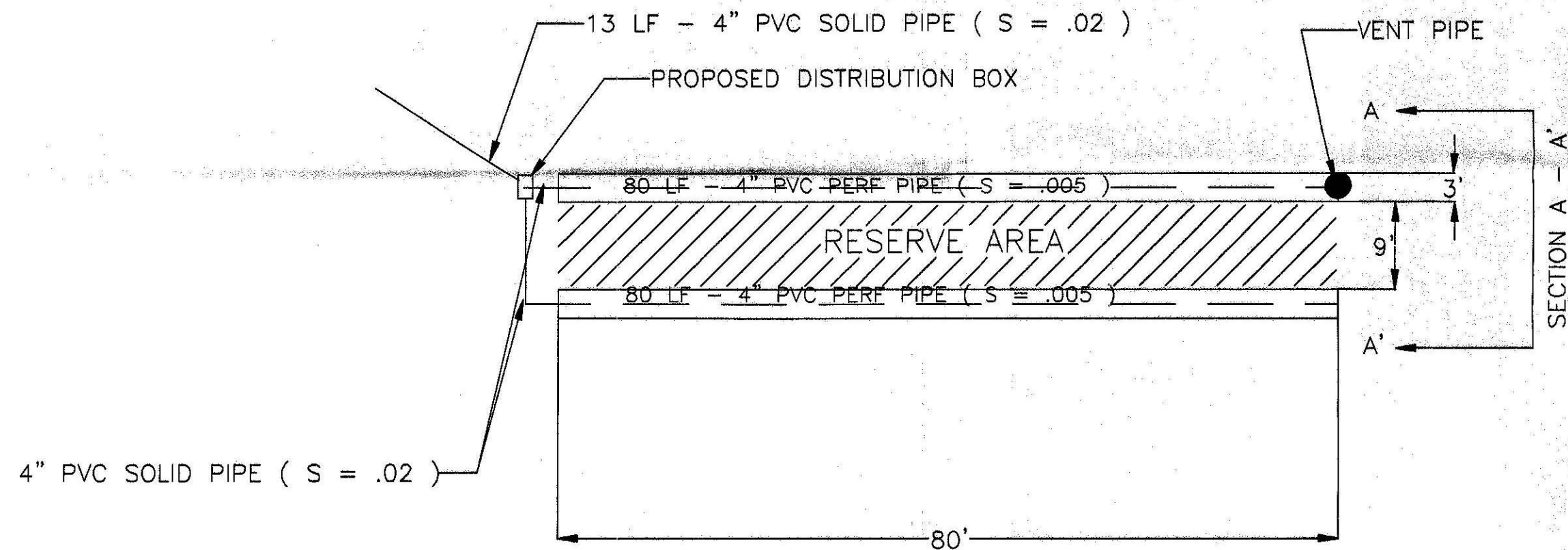
LOT # 2 - HIGH POINT ROAD - AMHERST, MA, COMMON DRIVEWAY
FOR: BERCUME BUILDERS - HADLEY, MA.
BY: TIMOTHY E. MAGINNIS R.S. - WESTHAMPTON, MA. 010 (413) 527 - 5291
SEPT. 9, 2001 PG. 1 OF 2 SCALE: AS NOTED



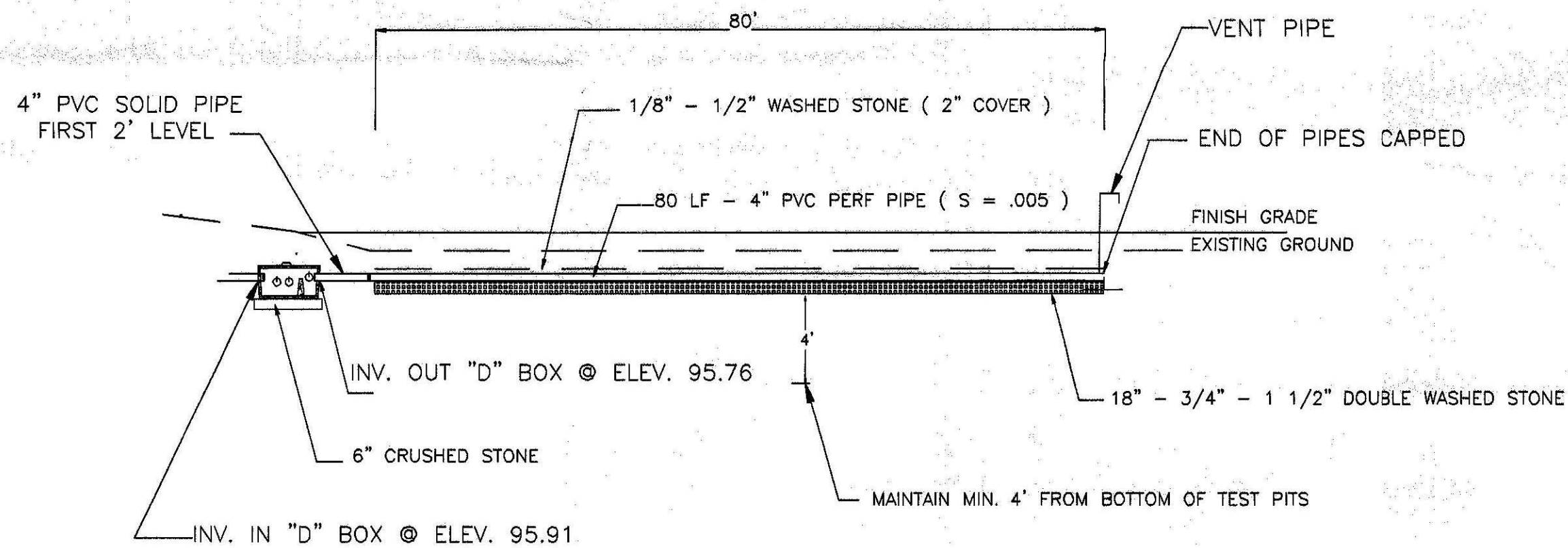
LEACHING TRENCH DETAIL

2 TRENCHES @ (80'L x 3'W x 1.5"D)

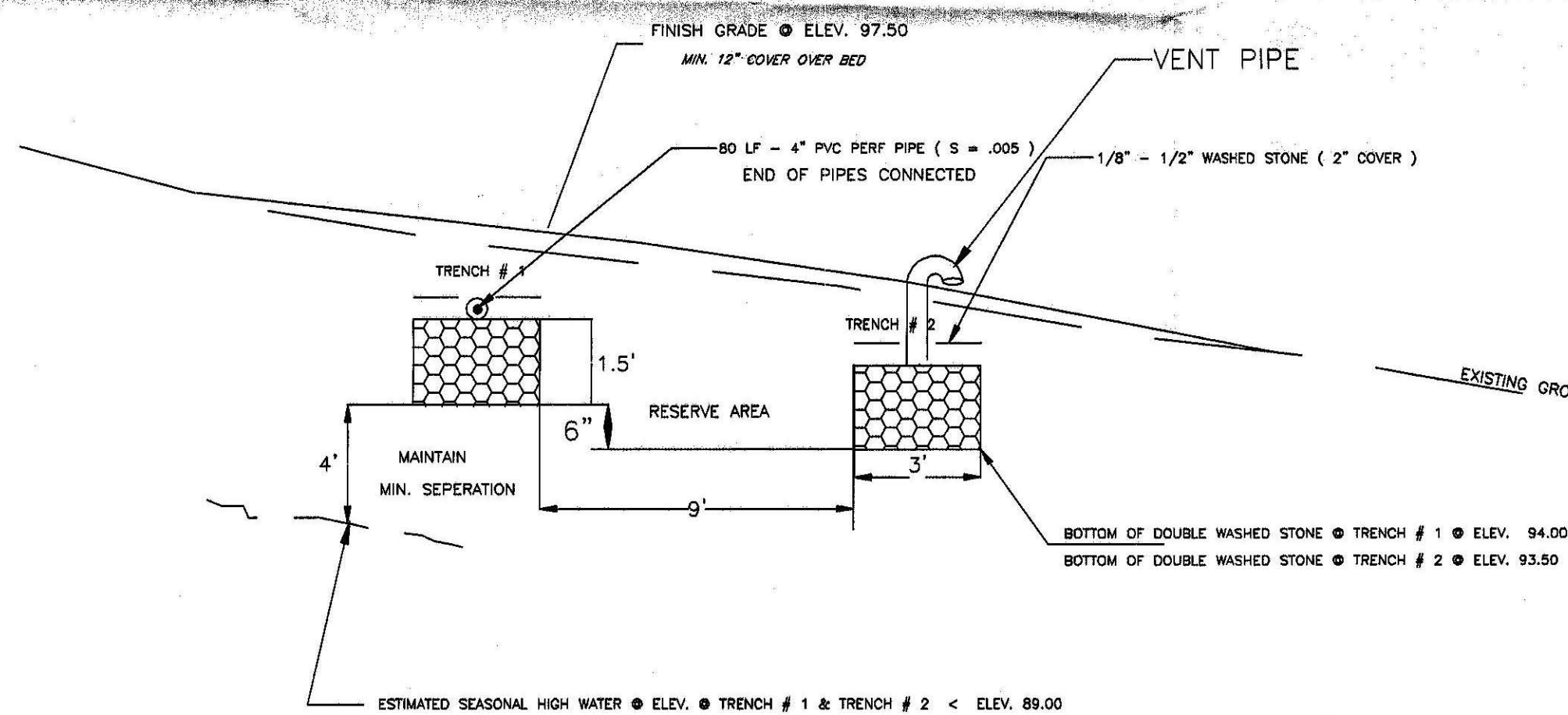
TOP VIEW
(NTS)



ELEVATION VIEW
(NTS)

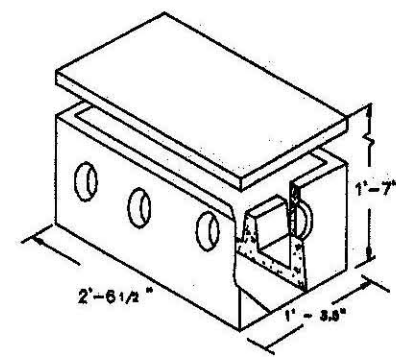


SECTION A - A'
(NTS)

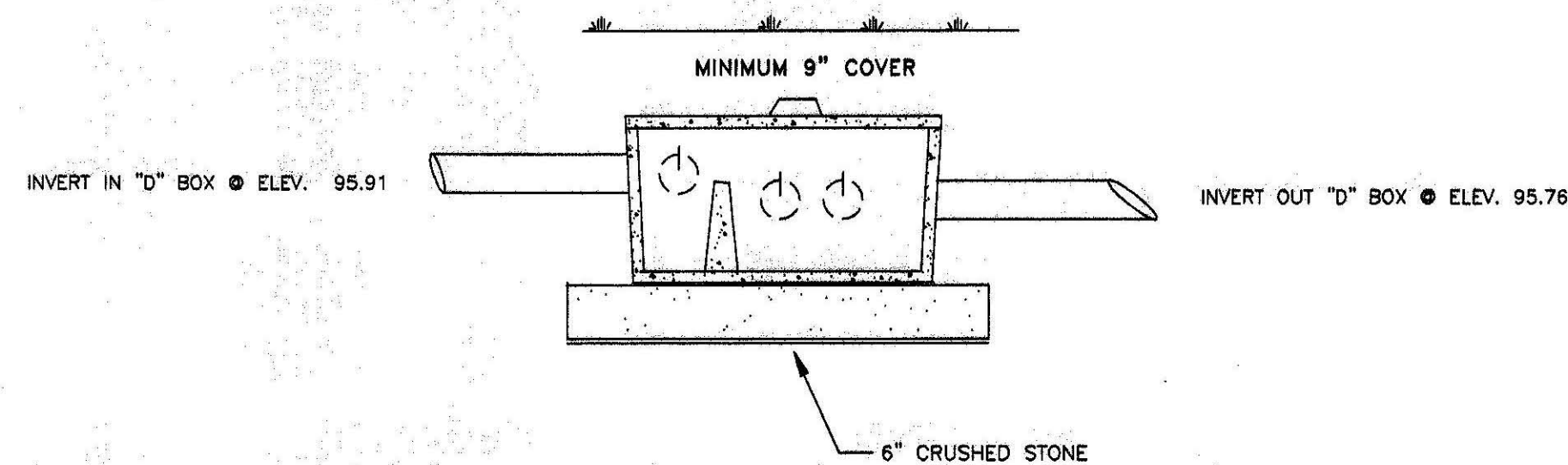


TYPICAL DISTRIBUTION BOX

(NTS)



1. CONCRETE - 4000 p.s.i., 28 DAYS
2. REINFORCEMENT - ASTM A-615, GRADE 60 (HEAVY DUTY REINFORCEMENT AVAILABLE)



CONTRACTOR NOTES

1. WATER TIGHT SEAL BY GROUTING FOR PIPES ENTERING OR LEAVING CONCRETE STRUCTURES.
2. WASHED STONE SHALL BE FREE OF IRON, FINES, DUST, AND ORGANIC MATTER.
3. NO MODIFICATIONS WITHOUT APPROVAL OF ENGINEER AND BOARD OF HEALTH.
4. ALL COMPONENTS TO BE INSTALLED IN ACCORDANCE WITH TITLE 5 OF THE STATE ENVIRONMENTAL CODE AND ALL APPLICABLE LOCAL BOARD OF HEALTH RULES.
5. THE SYSTEM SHALL BE INSPECTED WHEN LEACHING AREA IS COMPLETELY EXCAVATED AND AGAIN WHEN ALL COMPONENTS ARE IN PLACE. CONTRACTOR SHALL NOTIFY THE BOARD OF HEALTH WHEN INSPECTION IS REQUIRED.
6. NO HEAVY EQUIPMENT IS TO OPERATE OVER THE LIMITS OF THE SYSTEM DURING AND AFTER THE COURSE OF CONSTRUCTION OF THE SYSTEM.
7. ALL PIPES JOINTS OF THE BUILDING SEWER SHALL BE MADE WATERTIGHT.
8. ALL SHIPLAP JOINTS IN SEPTIC TANK TO BE SEALED WITH NEOPRENE GASKETS OR ASPHALT CEMENT.
9. A CERTIFICATE OF COMPLIANCE AS ISSUED BY THE BOARD OF HEALTH MUST BE OBTAINED BY THE CONTRACTOR UPON COMPLETION OF THE SYSTEM.
10. AT ALL POINTS OF INTERSECTION OF WATER AND SEWER LINES, CLASS 150 PRESSURE PIPE SHALL BE INSTALLED FOR BOTH PIPES 10 FEET EITHER SIDE OF INTERSECTION.
11. STRUCTURE TO HAVE CAST IRON OR CONCRETE COVER BUILT UP WITH BRICK AND MORTAR TO WITHIN 12 INCHES OF FINISHED GRADE.

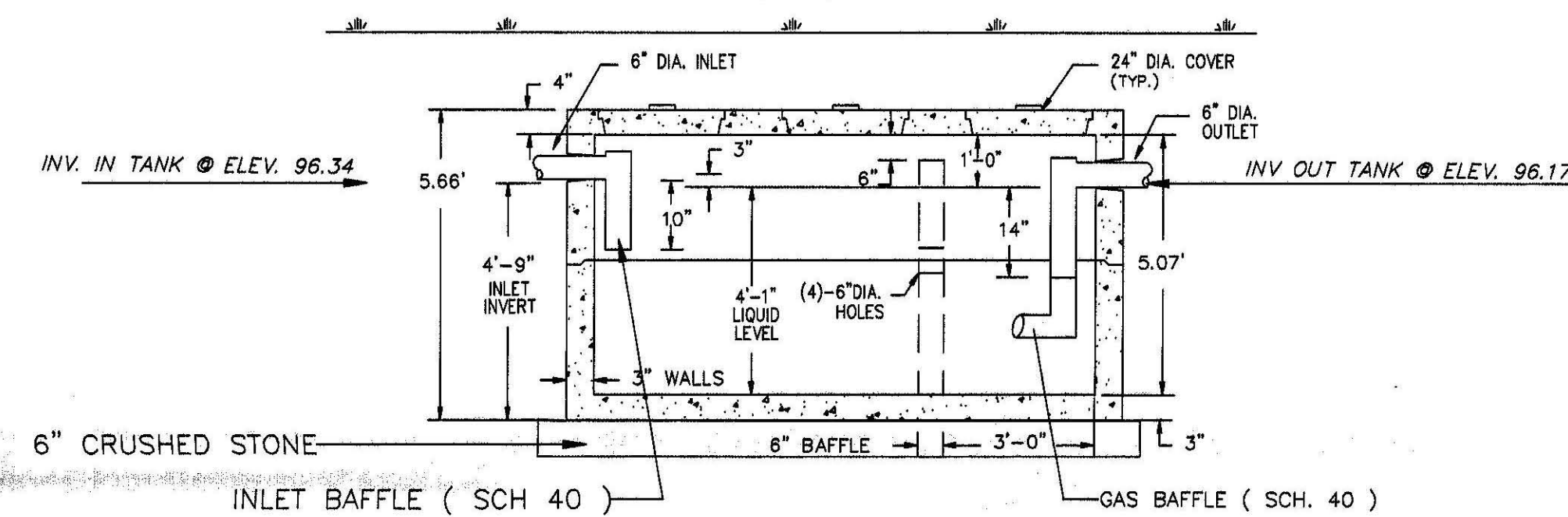
FINISH GRADE NOTE

BERCUME BUILDERS TO DETERMINE FINAL GRADE ELEVATIONS AROUND HOUSE. PROPOSED ELEVATIONS ARE MINIMUMS ONLY.

PROPOSED INVERT ELEVATIONS

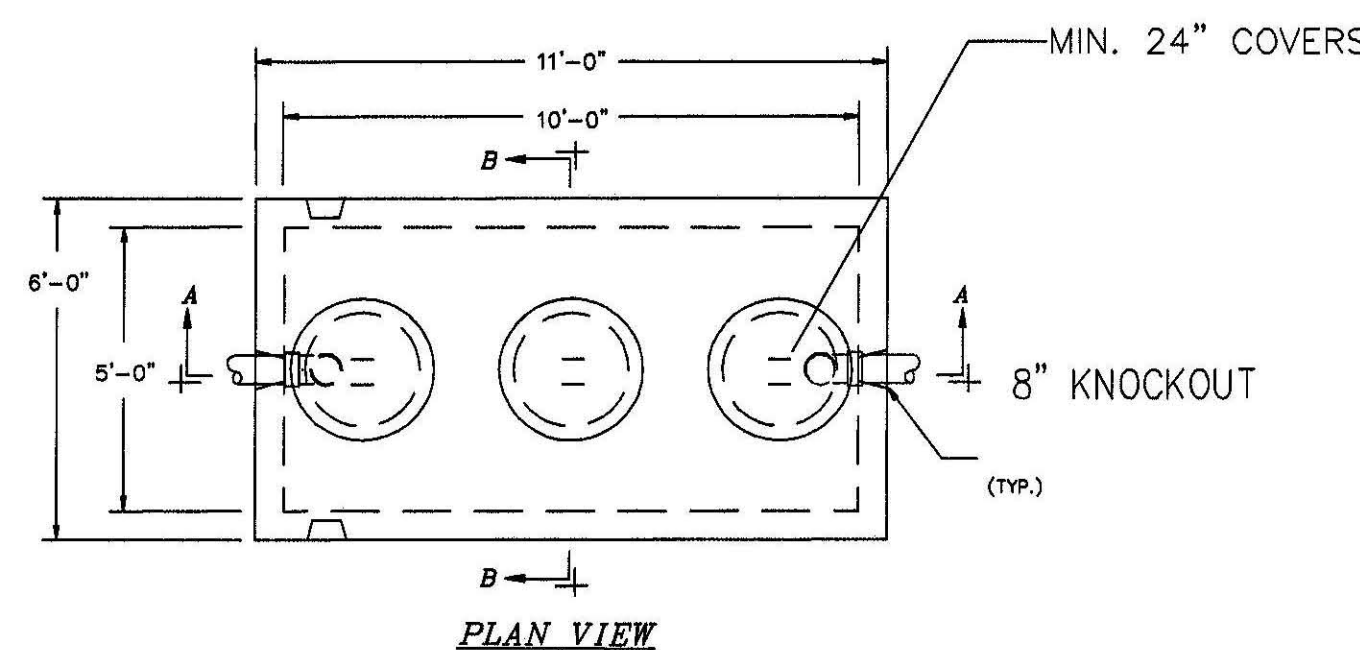
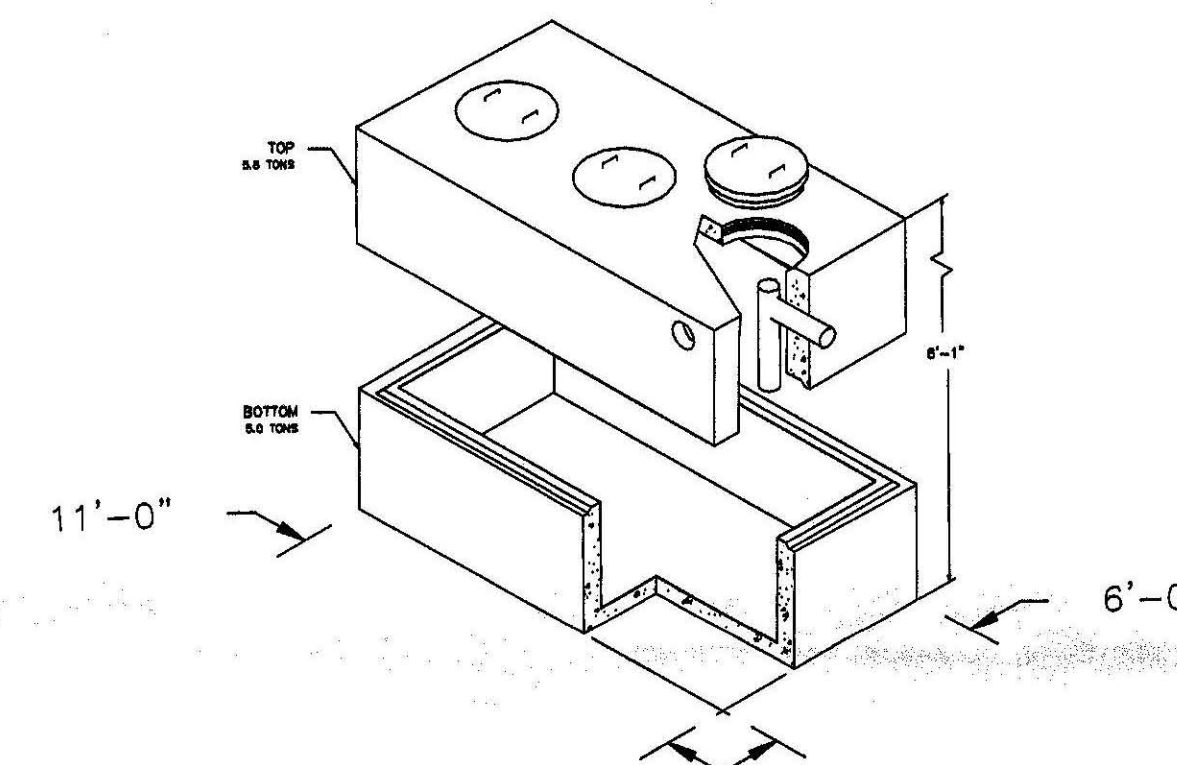
	TRENCH # 1	TRENCH # 2
BOTTOM OF STONE	94.00	93.50
INVERT END OF PIPES	95.50	95.00
INVERT IN PIPES	95.90	95.40
FINISH GRADE	97.50	97.00

PROPOSED SEPTIC TANK
1500 GALLONS
(NTS)



SPECIFICATIONS

- STEEL REINFORCEMENT - ASTM A-615 GR. 60, A-185 OR A-497, 1" MIN. COVER
CONCRETE MIN. STRENGTH - 5,000 P.S.I. @ 28 DAYS
DESIGN LOADING - AASHTO HS20-44
EARTH COVER - 0 TO 5 FEET
WATER TABLE - 3 1/2 FEET BELOW FINISHED GRADE
CONSTRUCTION JOINT - SEALED WITH 1" DIA. BUTYL RUBBER OR EQUIVALENT
TEES - PROVIDED AND INSTALLED BY OTHERS



SEPTIC TANK CALCULATIONS

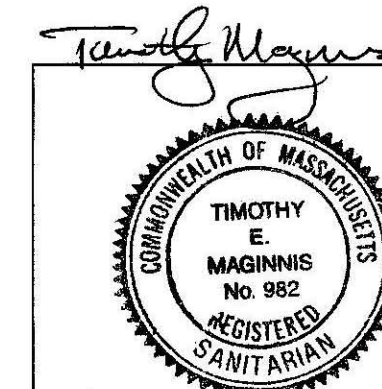
4 BEDROOM HOUSE @ 110 GAL/BEDROOM = 440 GPD
440 x 200 % = 880 GALLONS
USE : 1500 GALLON COMPARTMENTIZED TANK

1st COMPARTMENT:
4' - 1'L x 6' - 6"W x 5'H = 132.70 CF
132.70 CF x 7.48 (GAL/SF) = 992.57 GALLONS
992.57 GALLONS x 440 GPD = 2.25 DAYS

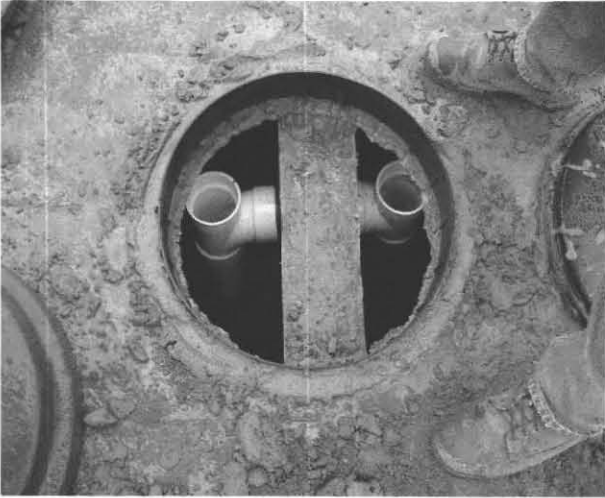
2nd COMPARTMENT:
4' - 1'L x 5'W x 3'H = 61.25 CF
61.25 CF x 7.48 (GAL/SF) = 458 GALLONS
458 GALLONS x 440 GPD = 1.04 DAYS

THEN: 2.25 DAYS + 1.04 DAYS = 3.29 DAYS DETENTION TIME

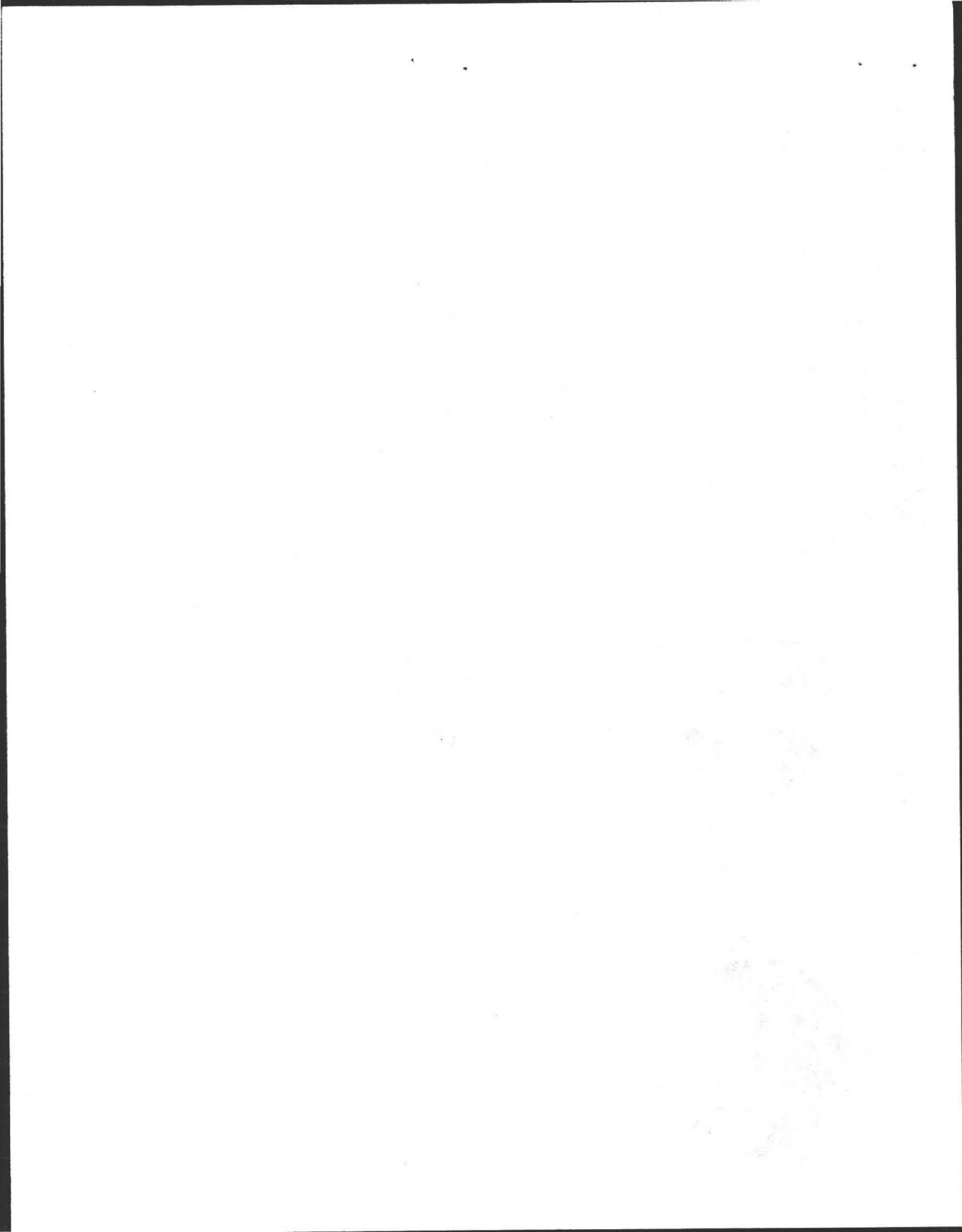
COMPONENT DETAIL



LOT # 2 - HIGH POINT ROAD - AMHERST, MA.
COMMON DRIVEWAY
FOR: BERCUME BUILDERS - HADLEY, MA.
BY: TIMOTHY E. MAGINNIS R.S. - WESTHAMPTON, MA. 01027
(413) 527 - 5291
SEPT. 10, 2001 PG. 2 OF 2 SCALE: AS NOTED



111 High Point Drive Final inspection 11/29/01
LOT #2 (common driveway).





111 High Point Drive final inspection
11/29/01 Lot #2

No.:

Date: April 1, 1996

Commonwealth of Massachusetts

Prohese, Massachusetts

Site Suitability Assessment for On-Site Sewage Disposal

Performed By: DENNIS R. LACOURSE

Certification Number: 11/95

Witnessed By: DAVE ZARDEINSKI

Location Address or Lot No.: <u>2</u> <u>COMMON DRIVE, HIGH PT DA</u>	Owner's Name, Address and Tel. #: <u>RON BECLUME</u> <u>NAPLEY 149.</u>
--	---

New Construction Repair

Office Review

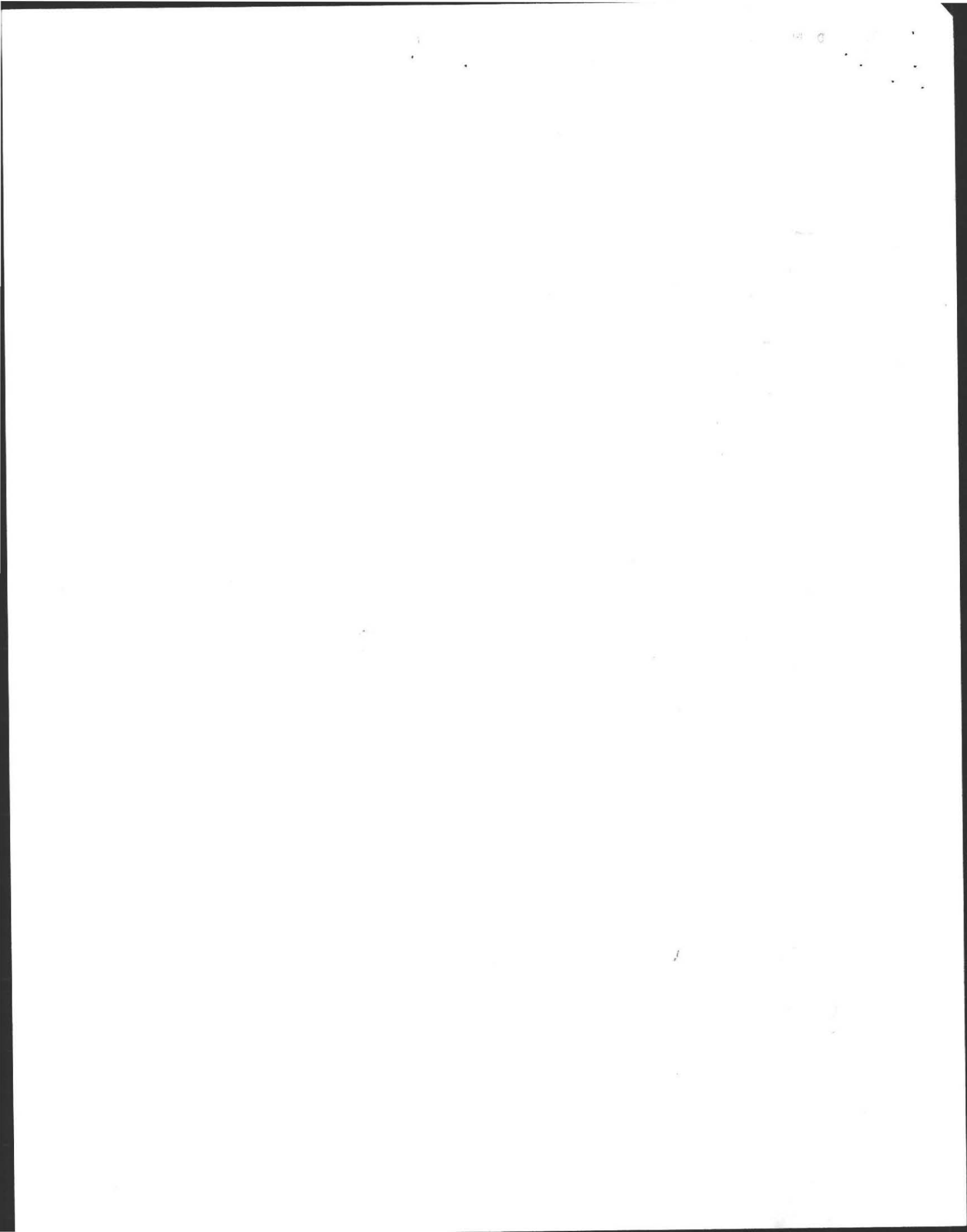
Published Soil Survey Available: No Yes
 Year Published 81 Publication Scale 1:75840 Soil Map Unit 7/6x13
 Drainage Class EXCESSIVE Soil Limitation STONES & SLATE
 Surficial Geologic Report Available: No Yes
 Year Published — Publication Scale —
 Geologic Material (Map Unit) —
 Landform DEVALIN

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): 2001 Month APRIL
 Range: Above Normal Normal Below Normal

Other References Reviewed:



On-Site Review

Deep Hole Number I Date 5-15-01 Time 1:00 PM Weather CLEAR
 Location (identify on site plan) _____
 Land Use WATERLAND Slope (%) L Surface stones 0
 Vegetation MIXED TIMBER
 Landform FLUWIA

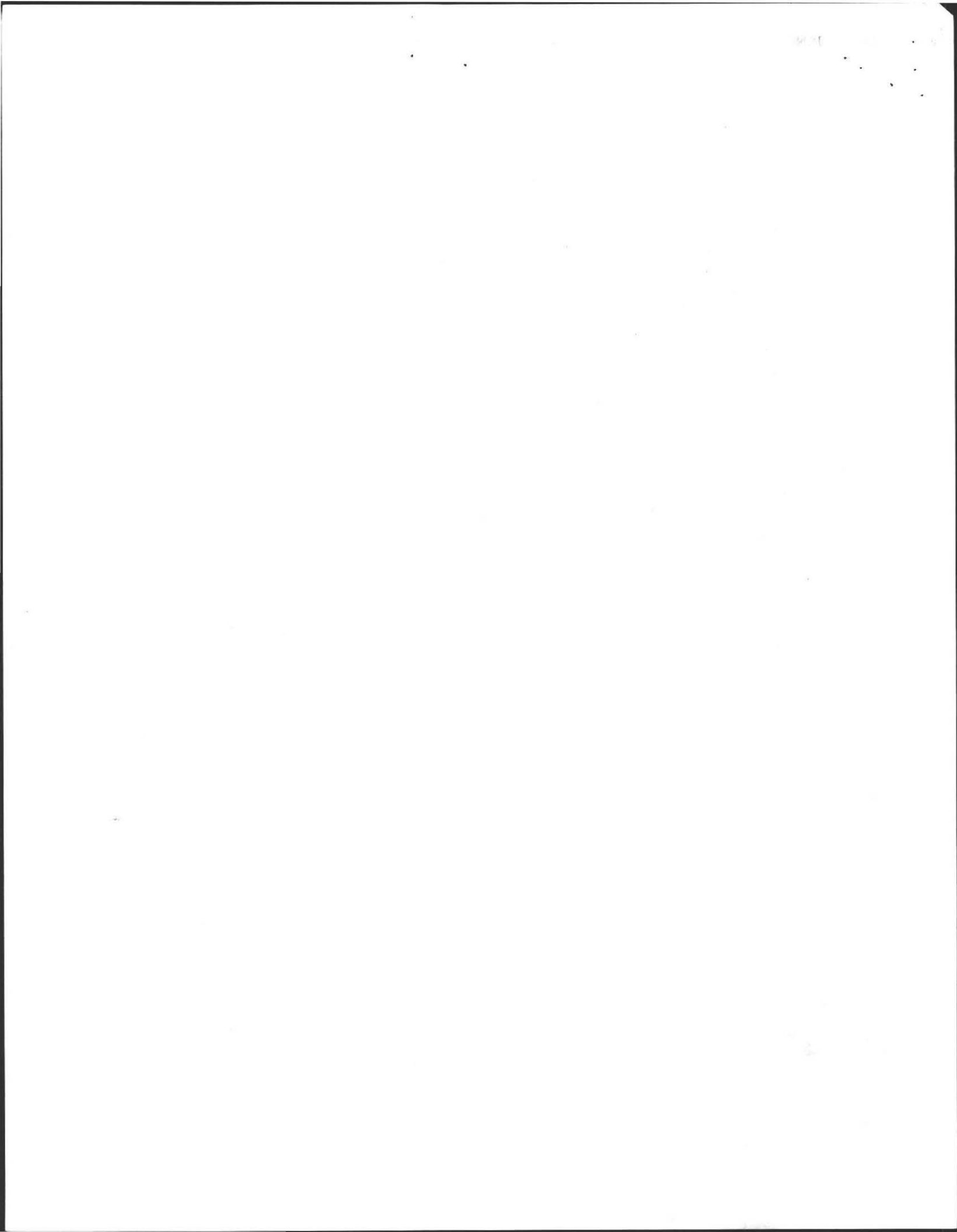
Distances from:

Open Water Body 200+ feet Drainageway NONE feet
 Possible Wet Area 100+ feet Property Line 50 feet
 Drinking Water Well 100+ feet Other _____

DEEP OBSERVATION HOLE LOG					
Depth from Surface (inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Moisture	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0 TO 4	A	S/L	10y= 3/2	NONE	LOOSE, ROOTS GRAVULAR
4 TO 24	B _W	S/L	10y= 4/6	DISSEMINATED TO 96"	SOFT MASSIVE FRAGILE
24 TO 120	C	S/L	10y= 5/4		HARD, PLATY FRAGILE, COBBLES, VERY HARD 52 TO 76" HARD 76" TO 120 1/2 GRAVEL

Parent Material (geologic): BASEL Till Depth to Bedrock 120"
 Depth to Groundwater: _____ Standing Water in the Hole: 0 Weeping from Pit Face: 0

Estimated Seasonal High Ground Water: 96+"



On-Site Review

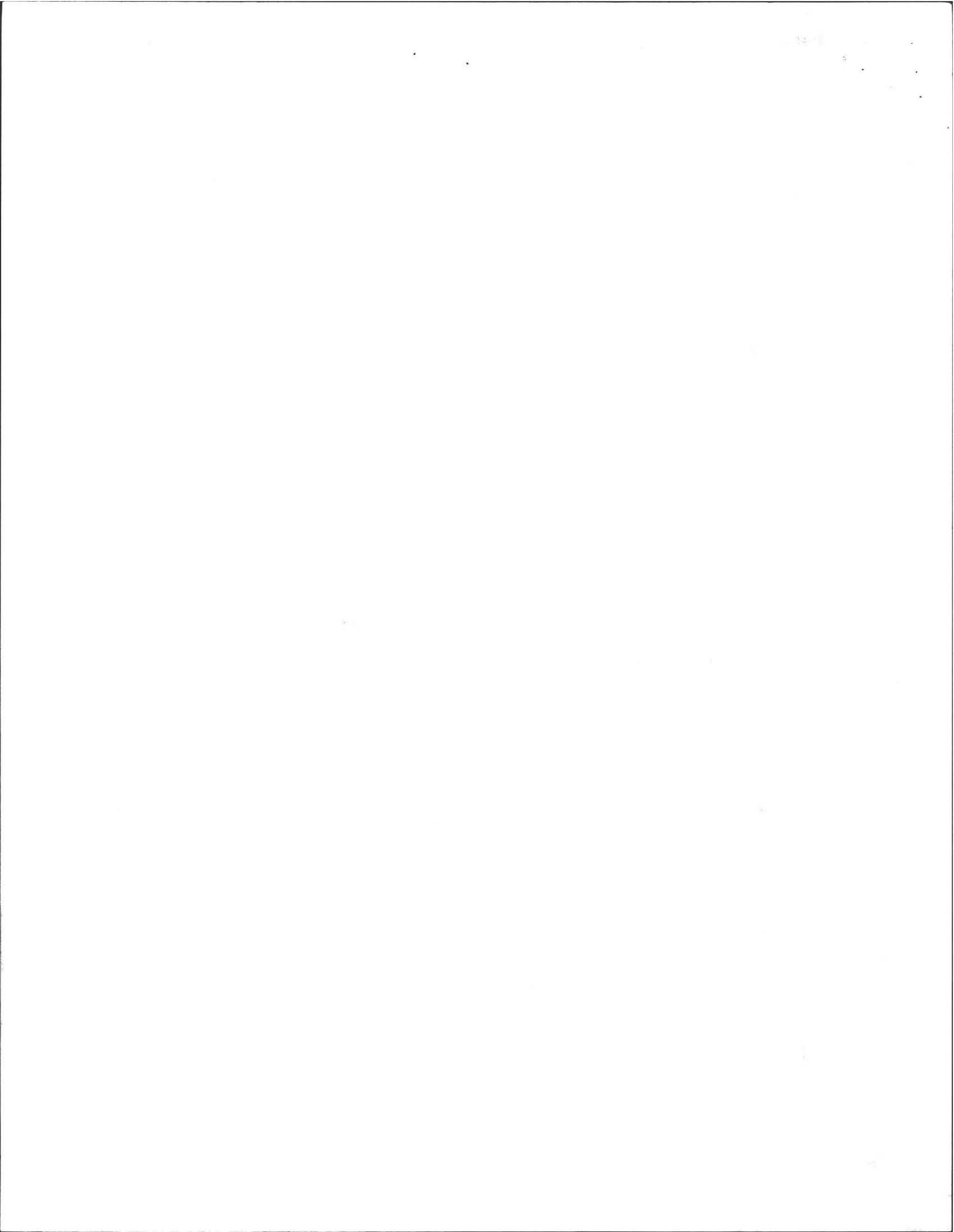
Deep Hole Number 2 Date 5-15-01 Time 2:00 P.M. Weather CLEAR
 Location (identify on site plan) _____
 Land Use WOODLAND Slope (%) 1 Surface stones 0
 Vegetation MIXED TIMBER
 Landform DEVALIN

Distances from:

Open Water Body 200+ feet Drainageway NONE feet
 Possible Wet Area 100+ feet Property Line 50 feet
 Drinking Water Well 100+ feet Other _____

DEEP OBSERVATION HOLE LOG					
Depth from Surface (inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Moisture	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0 to 4	A	S/L	10YR 3/2	FAINT, FEW AT 96"	LOOSE, ROOTS GRANULAR
4 to 20	B _u	S/L	(10YR 4/6	5YR 5/8 10YR 6/2	SOFT, FRACTIONATIVE
20 to 120	C	S/L	10YR 5/4		HARD, PLaty FRACTIONATIVE, COARSE VERY HARD FROM 60" TO 72" HARD 72" TO 120" L 5% GRAVEL

Parent Material (geologic): BASEL TILL Depth to Bedrock 120"
 Depth to Groundwater: _____ Standing Water in the Hole: 0 Weeping from Pit Face: 0
 Estimated Seasonal High Ground Water: 96"



Location Address or Lot No. 2

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 2 1/2 - 3 1/2 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

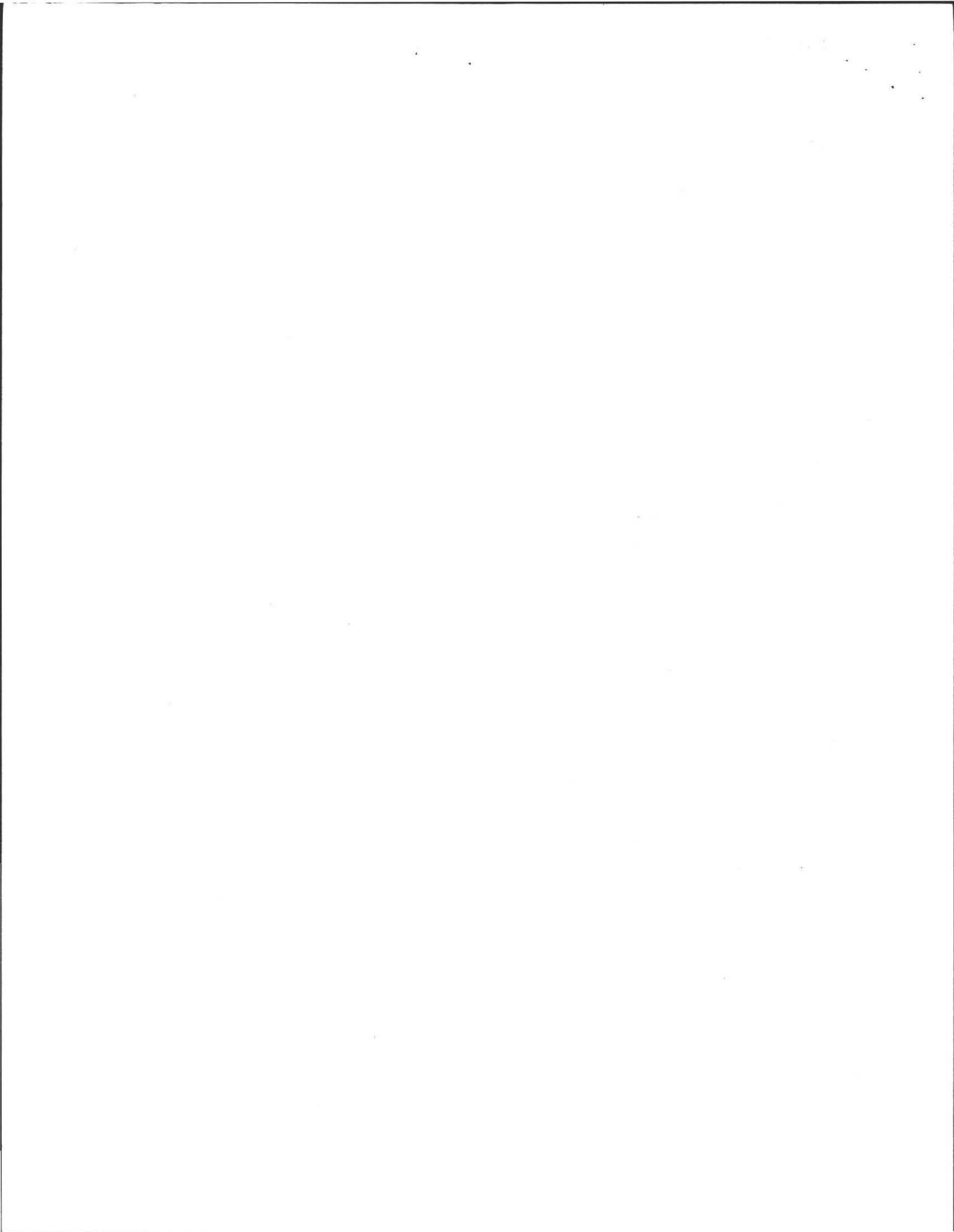
If not, what is the depth of naturally occurring pervious material? _____

Certification

I certify that on NAU, 1995 (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 12.017.

Signature [Handwritten Signature] Date 5-15-01





FORM 12 - PERCOLATION TEST

Location Address or Lot No. 2

Pg 4

COMMONWEALTH OF MASSACHUSETTS

Amherst, Massachusetts

Percolation Test				
Date: <u>5-15-01</u>		Time: <u>1:30 P.M.</u>		
Observation Hole #	<u>I</u>			
Depth of Perc	<u>44"</u>			
Start Pre-soak	<u>1:49</u>			
End Pre-soak	<u>2:04</u>			
Time at 12"	<u>2:10</u>			
Time at 9"	<u>2:20</u>			
Time at 8 5"	<u>2:37</u>			
Time (3"-5")	<u>RAW 4" 17 MIN.</u>			
Rate Min./Inch	<u>5</u>			

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

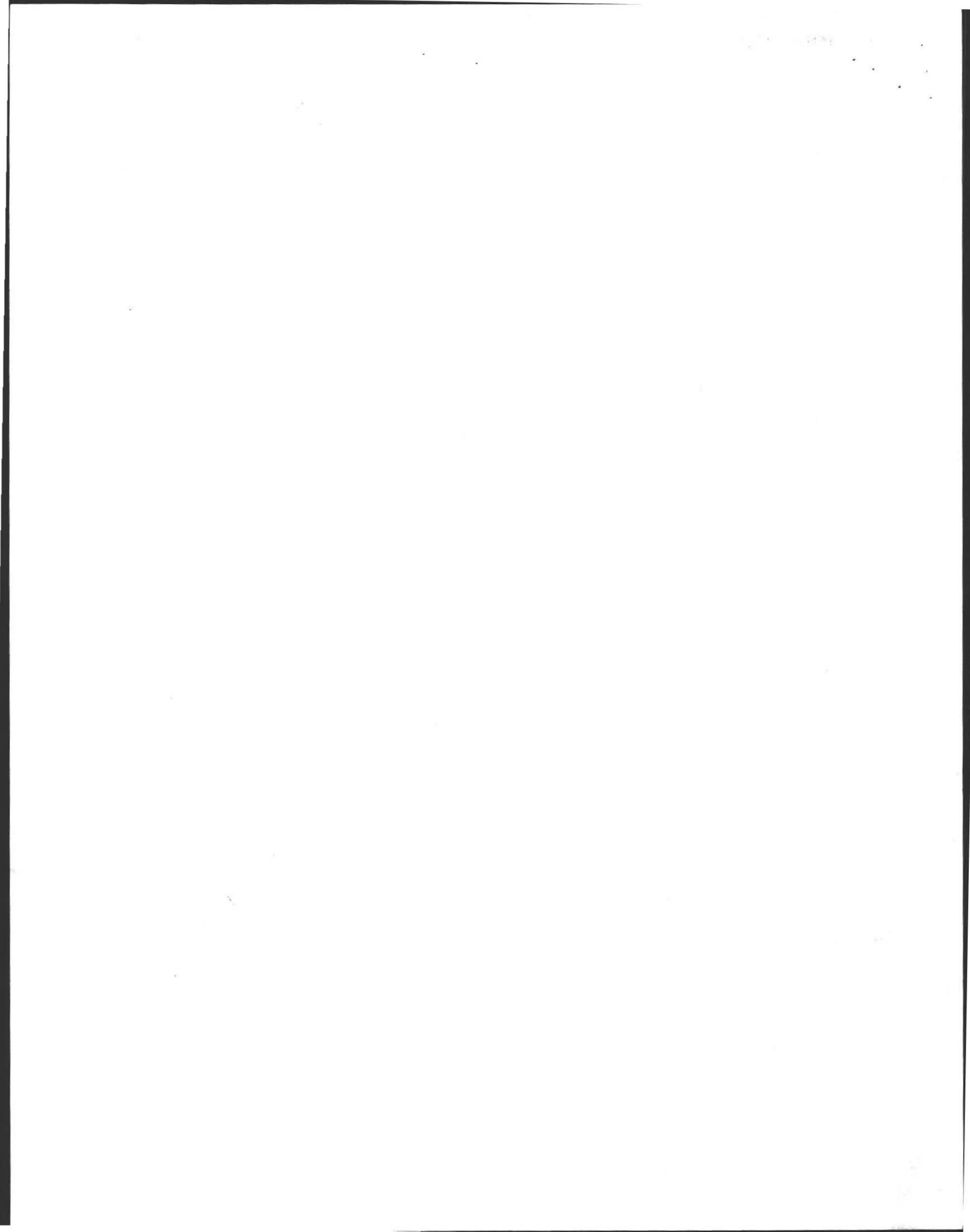
Site Passed Site Failed

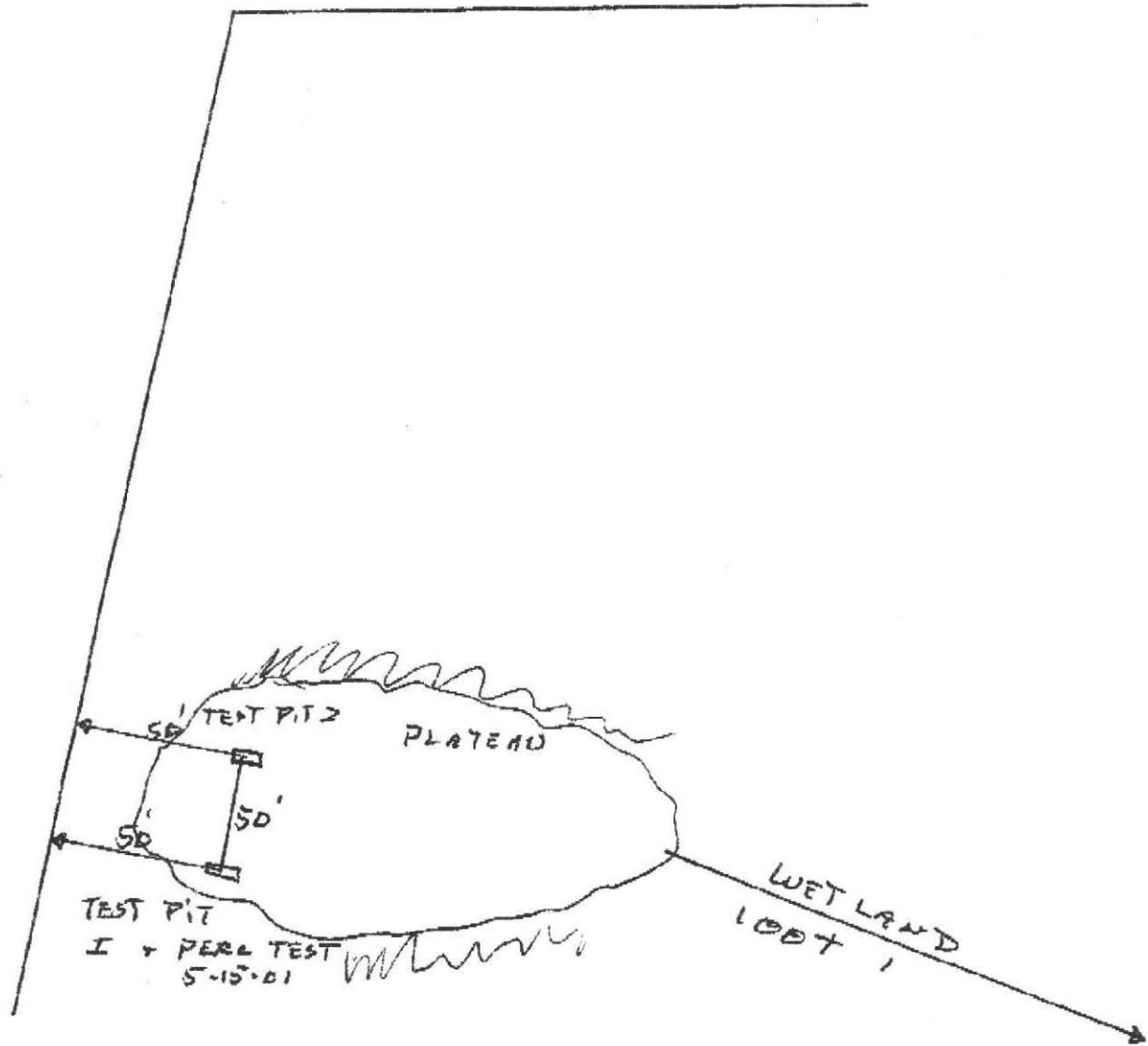
Performed By: DENNIS R. LACOURSE

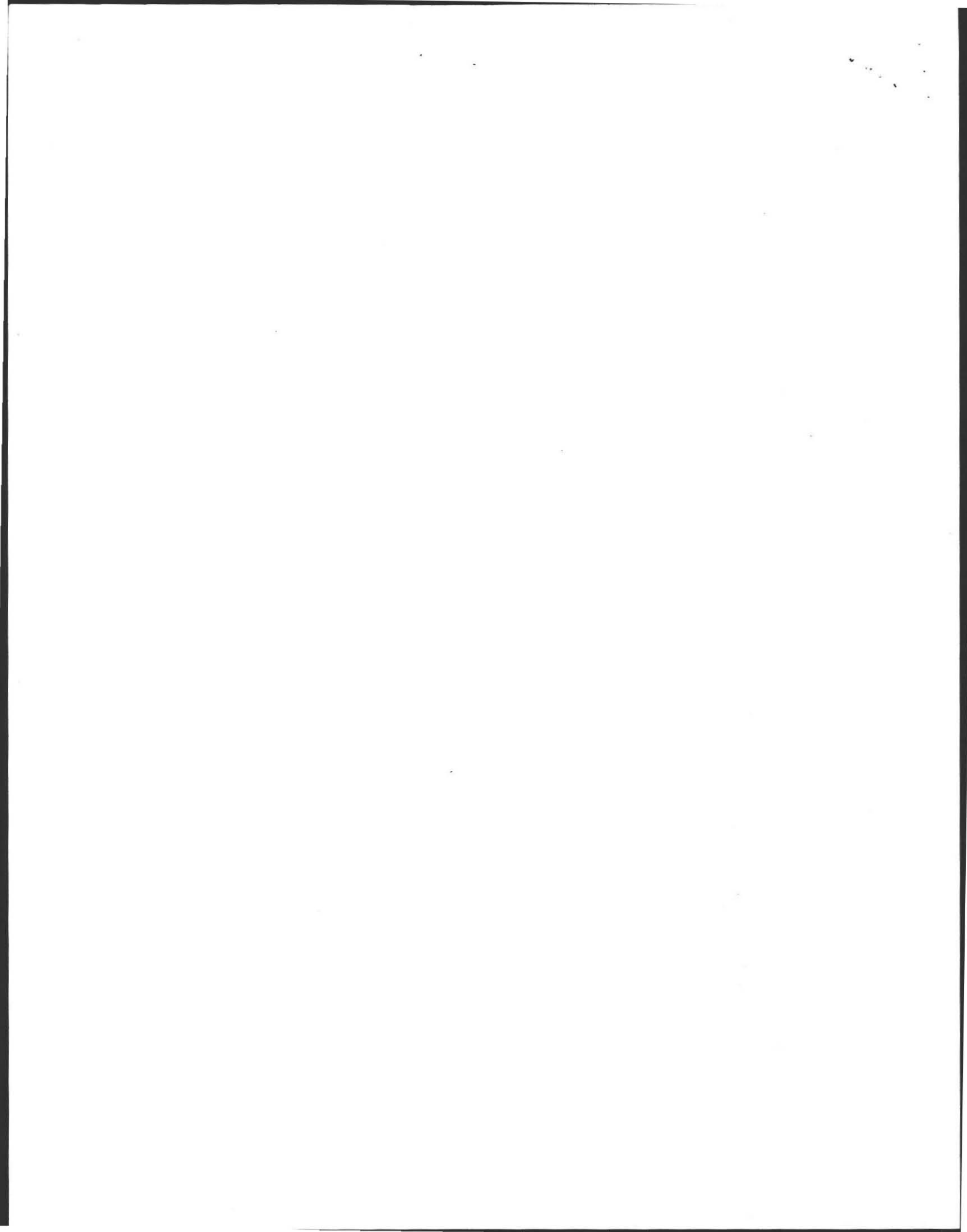
Witnessed By: DAVE ZARZINSKI

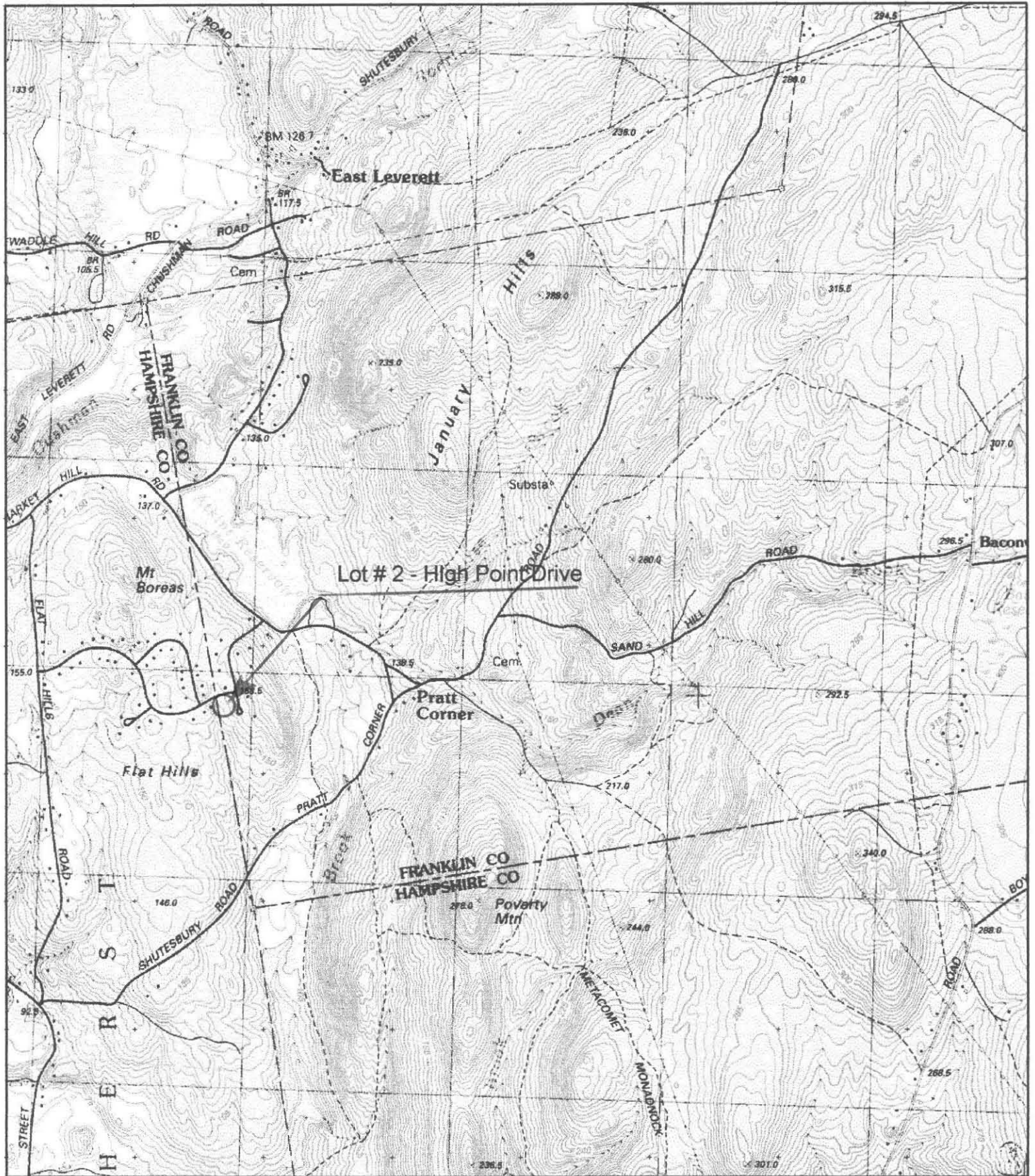
Comments: _____









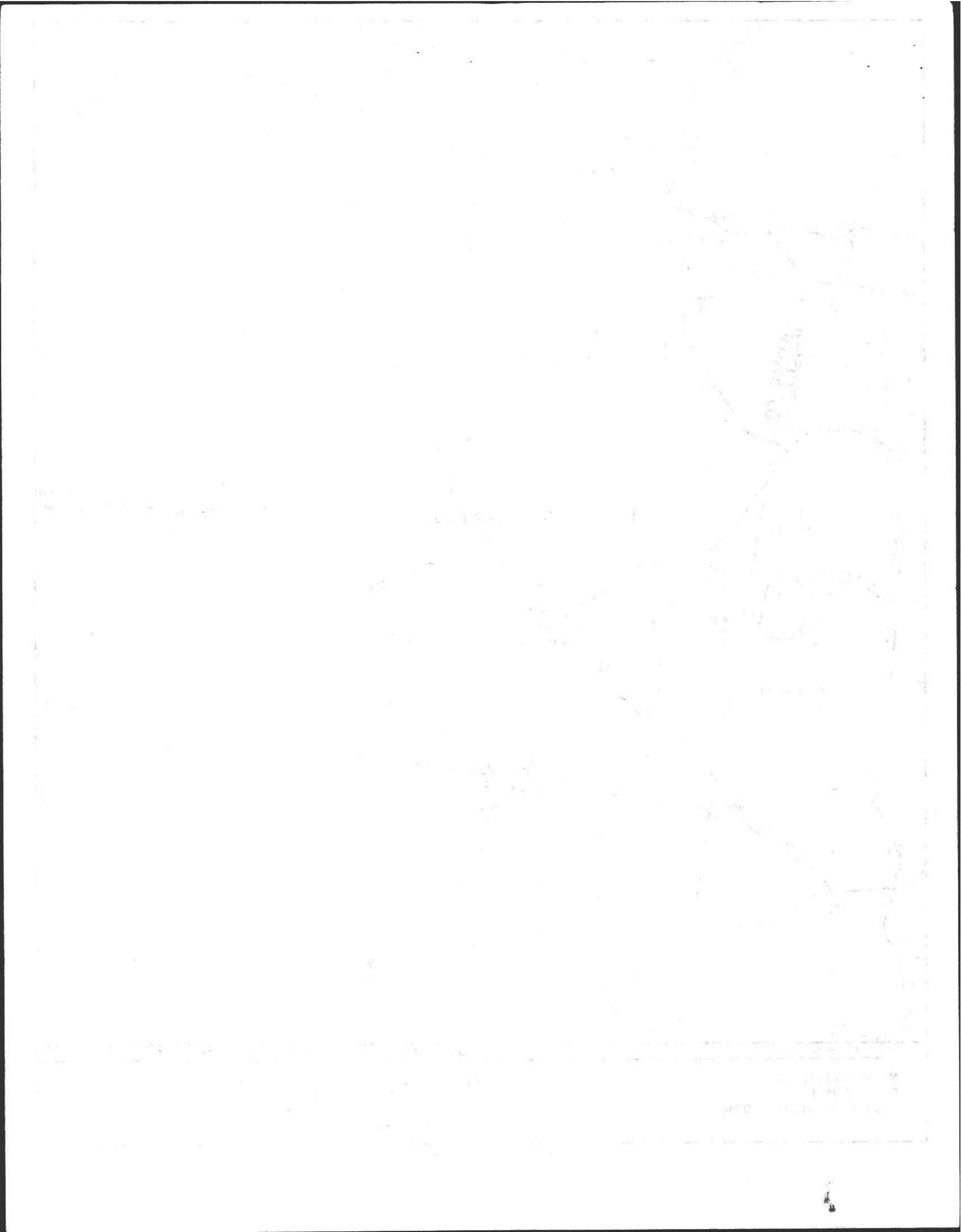


Amherst - 1 Markers, Length = 0 feet

Lot # 2 - High Point Drive - 042° 25' 21.3" N, 072° 28' 45.9" W

Name: SHUTESBURY
 Date: 7/27/101
 Scale: 1 inch equals 2000 feet

Location: 042° 25' 16.2" N 072° 28' 08.0" W
 Caption: High Point Dr. - Lot @ 2
 Common Driveway - Amherst,
 For: Ron Bercume - Hadley, Ma



111 High Point
Bercume Builders
(Lot #2)
M. 6D Parcel 31
(also shown on map 6B)

Sample # 8559

HOWARD LABORATORIES OF NEW ENGLAND, INC.

750 North Pleasant Street
Amherst, MA 01002
Phone: (413) 549-8260 Fax: (413) 549-1850
MA Lab License: M-00851

WATER ANALYSIS REPORT

Analyzed For: Bercume Builders
Address: 25 Sylvia Heights
Hadley Ma. 01035

Sample Location: High Point Drive
Amherst, MA

Telephone:

Sampled By: HWD
Date Sampled: 8-17-2001
Date Received: 8-20-2001

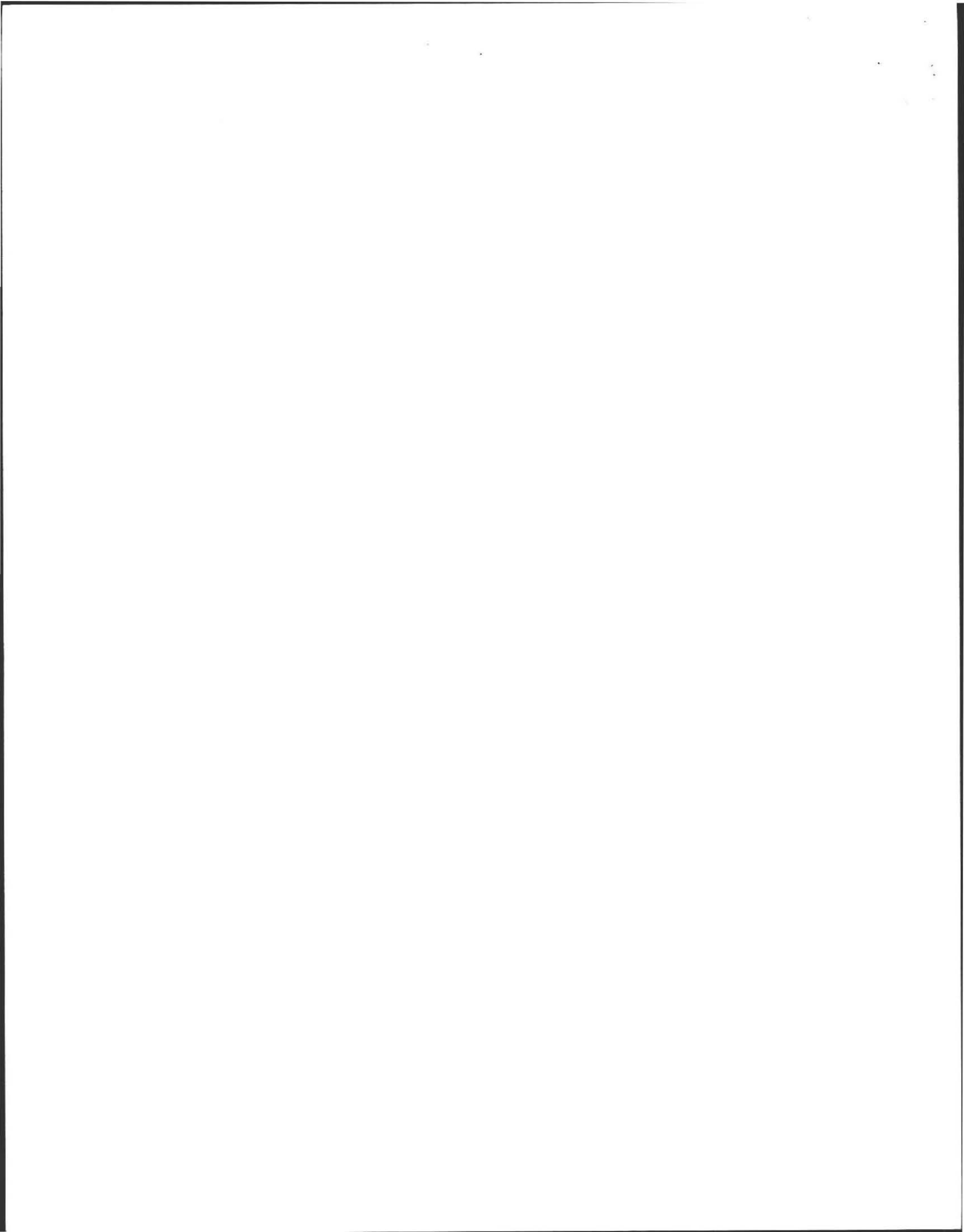
PARAMETER	RESULTS	LIMITS	COMMENTS
Total Coliform Bacteria	0 Colonies/ 100ml	0 Colonies/ 100ml	OK
pH	8.42 pH Units	6.5 - 8.5 pH Units	OK
Manganese	0.077 mg/l	0.05 mg/l	*
Hardness	66 mg/l	No Standard	<50 SOFT, >100 HARD
Conductivity	0.17 MS/cm	No Standard	No Standard
Chloride	14.8 mg/l	250 mg/l	OK
Iron	0.37 mg/l	0.3 mg/l	*
Sodium	13 mg/l	28 mg/l	OK
Nitrate	0.1 mg/l	10 mg/l	OK
Nitrite	0.000 mg/l	1 mg/l	OK
Color	164 PtCo Color Units	15 PtCo Color Units	*
Turbidity	59.8 NTU	5 NTU	*

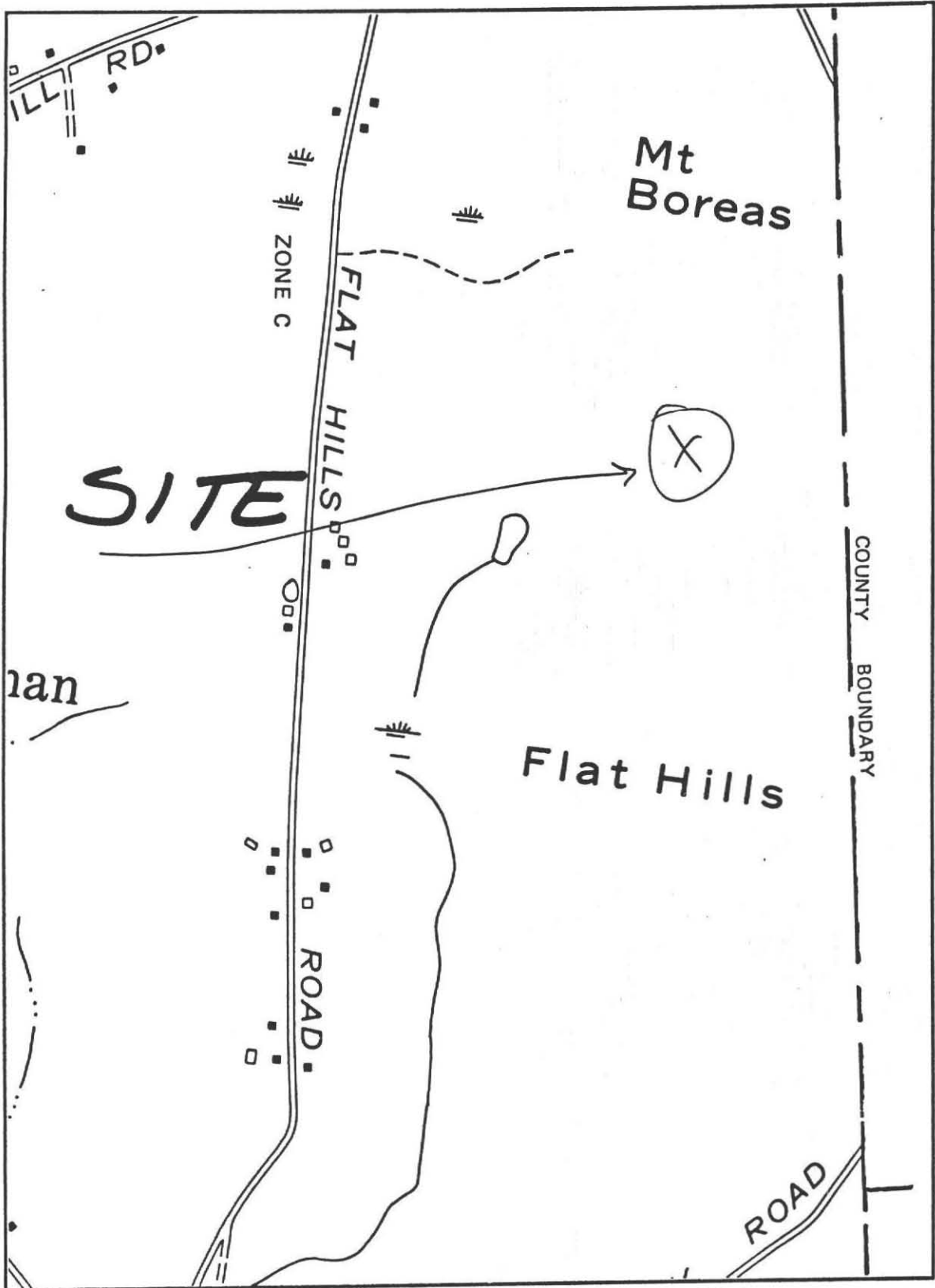
Recommendations: See enclosed MA DEP chemical interpretation sheet for manganese, iron, color, and turbidity.

This sample meets acceptable standards of potability for the parameters tested except for the parameter marked with an asterisk (*).

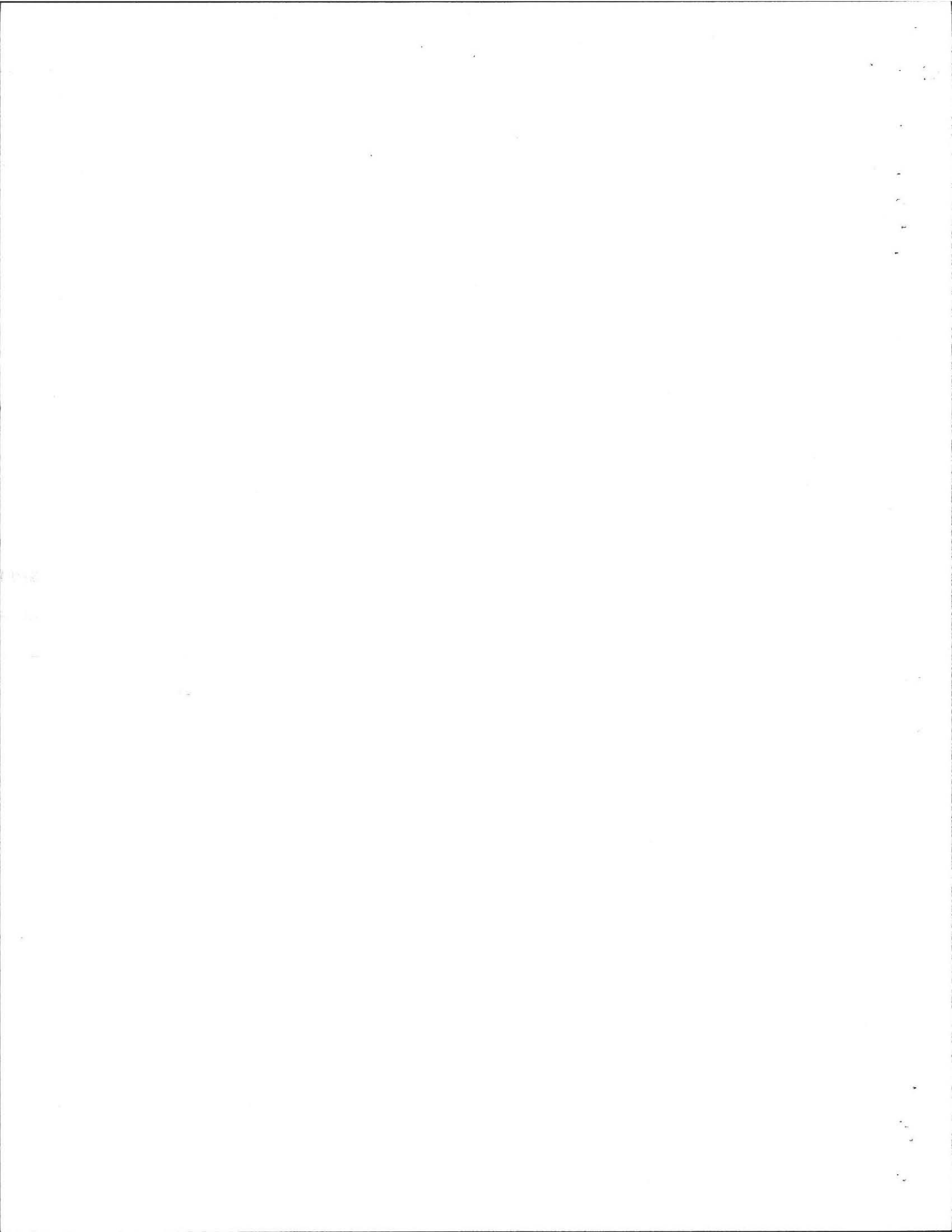
Analyst: J.K.
Checked By: Jonathan S. Begg

Date: 8-21-2001





FIRM MAP UNIT: 1983 / SCALE: 1:100 NO
SHEET #: OF
2501560005



2544041

HIGH POINT DRIVE

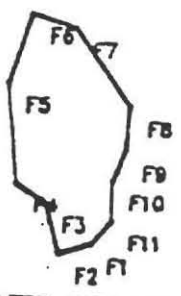
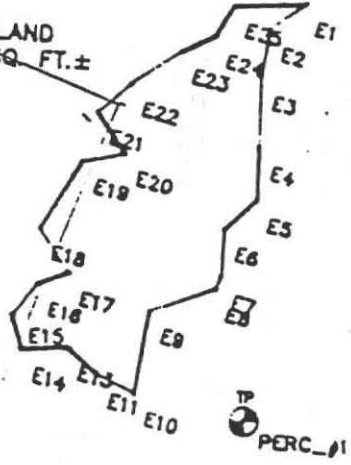
Sewage Disposal System
Ron Bercume
Lot 2
High Point Drive
Amherst, MA
Sheet 10 of 21



WETLAND
0 SQ. FT.±

LOT 1

ISOLATED WETLAND
AREA = 13,530 SQ. FT.±



ISOLATED WETLAND
AREA = 5,070 SQ. FT.±

LOT 2

PERC_#11
PERC_#12

PERC_#13

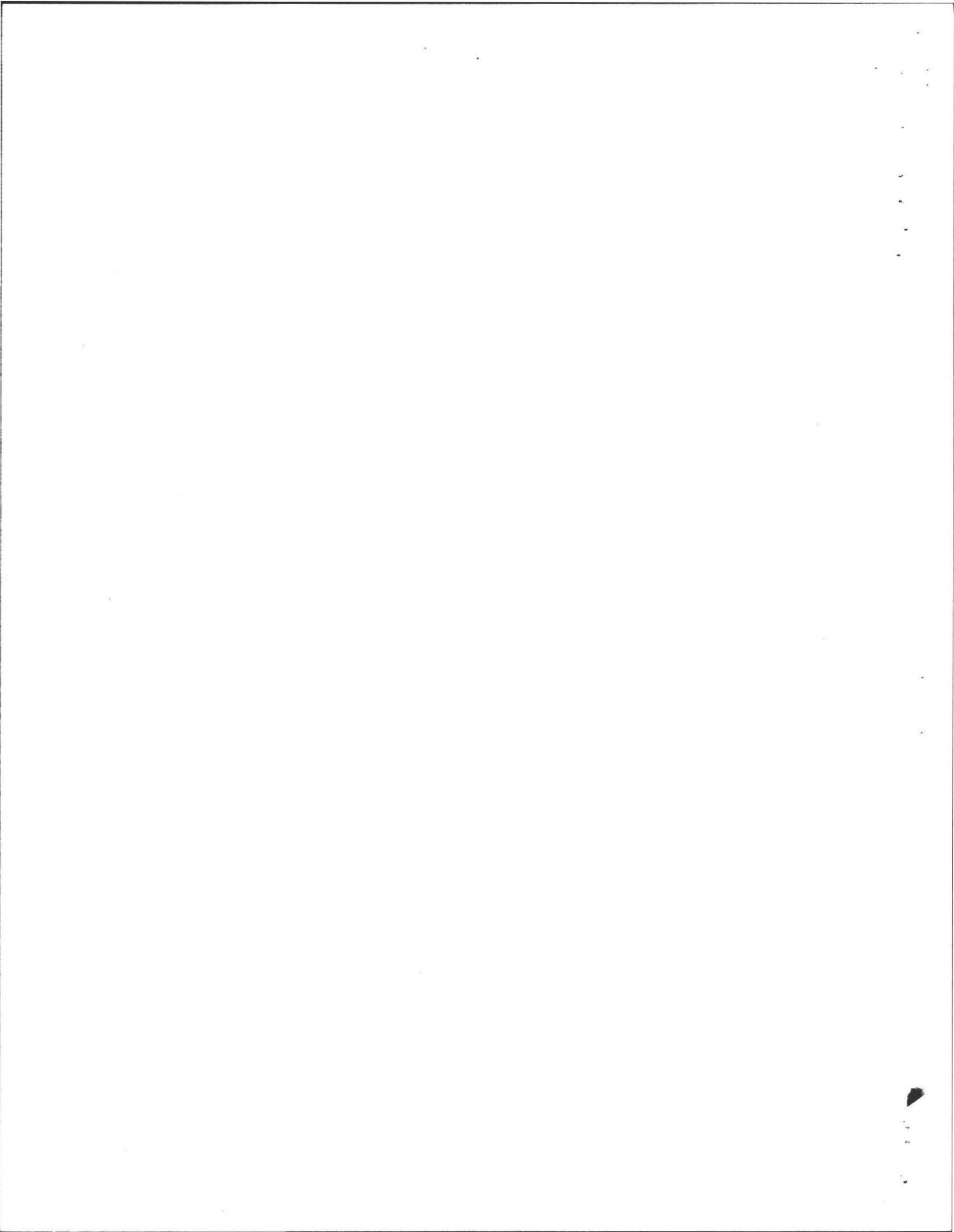
#3-92
#2-96
#10-92
#4-92
#1-46
#5-92
#4-96
#6-92

PERC_#13

PERC_#7

PERC_#8

PERC_#8
#3-96
#7-92
#8-92



On-Site Review

Deep Hole Number 3-06 Date 7/2/96 Time 11:00 Weather cloudy - 80

Location (identify on site plan) _____

Land Use Woods Slope (%) 0 Surface stones FEW

Vegetation W. PINE

Landform Till Ridge

Position on landscape (sketch on the back) _____

Distances from:

Open Water Body 2100 feet

Drainageway 7100 feet

Possible Wet Area 2100 feet

Property Line 2300 feet

Drinking Water Well 2100 feet

Other _____

DEEP OBSERVATION HOLE LOG

Depth from Surface (inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Moisture	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0 - 2	Di	duff	10YR 2/2	-	loose
2 - 17	Bw	F. Sandy 10AM	10YR 4/6	-	MASSIVE, FRABLE GRAD, WAVY Bndy
17 - 24	B/C	F. Sandy 10AM	10YR 4/5	-	MASSIVE, FIRM CLM, WAVY Bndy
24 - 41	C1	V.F SANDY 10AM	10YR 4/2	C - 20% 10YR 5/6 M - 5% 2.5YR 4/8	MASSIVE, V. F. FIRM CLM, WAVY Bndy
41 - 95	ZC1	Fine loamy SAND	10YR 7/3	M - 5% 7.5YR 4/6	MASSIVE, FIRM GRADUAL, WAVY Bndy
95 - 118	ZC2	Fine loamy SAND	10YR 6/3	F - 10% 2.5YR 2.5/2	MASSIVE, FIRM

Parent Material (geologic) Sandy till

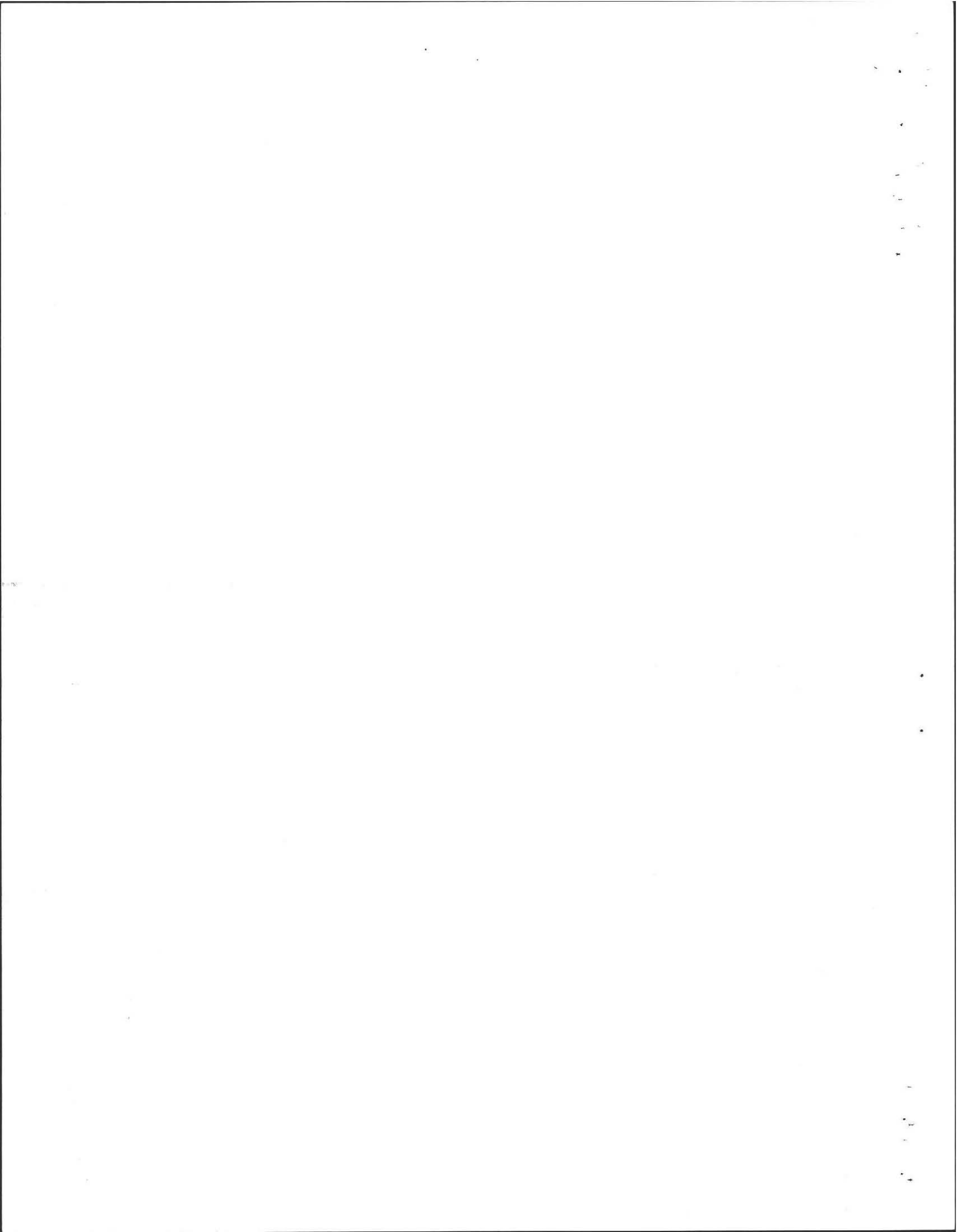
No Ledge AT 118"

Depth to Groundwater:

Standing Water in the Hole: N/A Weeping from Pit Face: N/A

Estimated Seasonal High Ground Water: 80

6.7' ELEV. 87.3



On-Site Review

Deep Hole Number 4-96 Date 7/2/96 Time 11:30 Weather Ptly Cldy

Location (identify on site plan) _____

Land Use Wood Slope (%) 1% Surface stones Few

Vegetation Maple, Birch

Landform Till Ridge

Position on landscape (sketch on the back) _____

Distances from:

Open Water Body > 100 feet Drainageway > 100 feet
 Possible Wet Area > 100 feet Property Line > 300 feet
 Drinking Water Well > 100 feet Other _____

DEEP OBSERVATION HOLE LOG

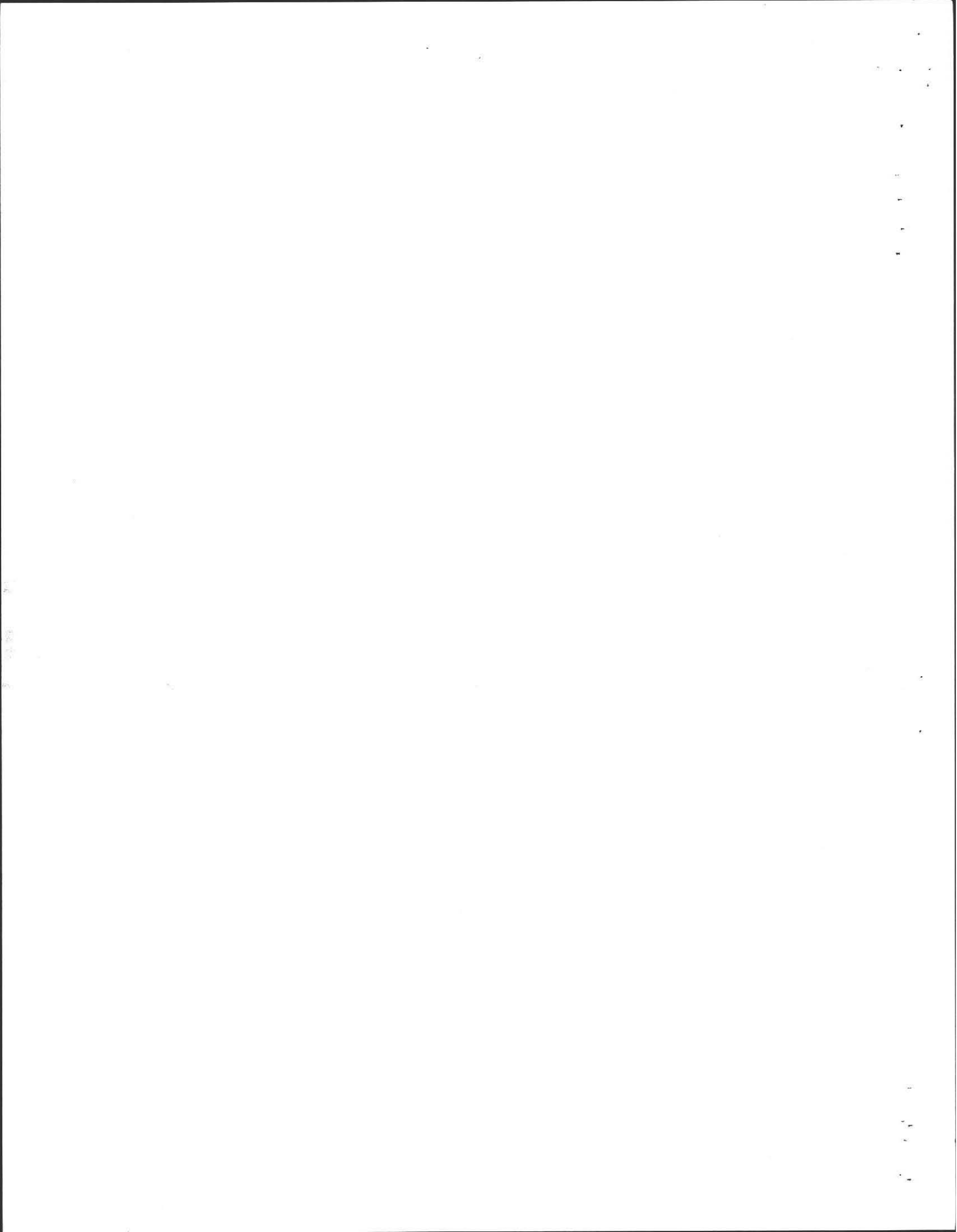
Depth from Surface (inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Moisture	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0 - 2"	O _i	Duff	10YR 2/2	-	loose
2" - 13	B _w	VF Sandy 10AM	10YR 4/6	-	FRIABLE, MASSIVE Grad, wavy Bdy
13 - 23	B/c	F. Sandy 10AM	10YR 5/4	-	FIRM, MASSIVE C/R, wavy Bdy
23 - 37	C ₁	1/2 F. Sandy 10AM	10YR 5/2	M - 10% 2.5YR 4/8 2.5YR 2.5/2 F - 50%	V. FIRM, MASSIVE C/R, smooth Bdy
37 - 90	2C ₁	Fine loamy sand	10YR 7/3	M - 5% 2.5YR 4/8	FIRM, MASSIVE GRADUAL, smooth Bdy
90 - 112	2C ₂	loamy C-M sand	10YR 4/3	M - 10% 5YR 5/8	FIRM, MASSIVE

Parent Material (geologic) Sandy Till No ledge at 112

Depth to Groundwater: Standing Water in the Hole: N/A Weeping from Pit Face: N/A

Estimated Seasonal High Ground Water: 83

REMOVE C₁ layer AS PART OF DESIGN



OBSERVATION PITS

JOB# P-2070

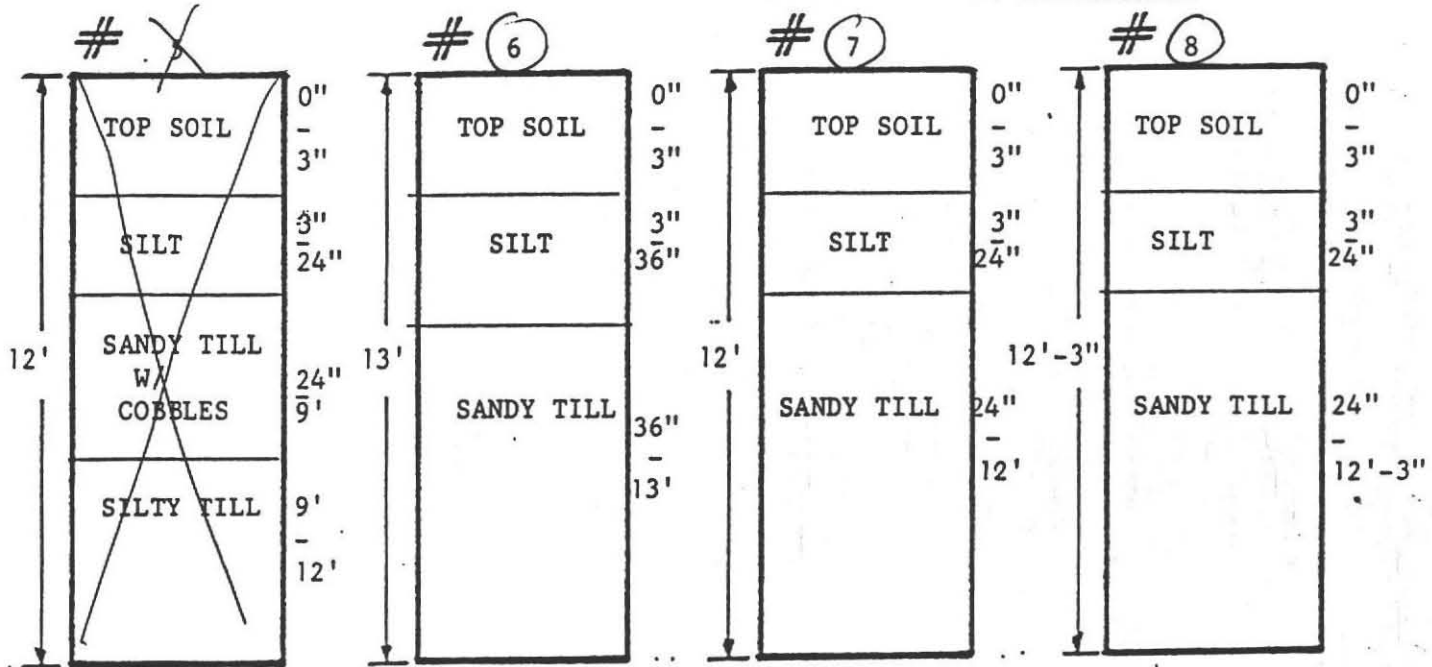
REQUESTED BY: Bill Stepchew

DATE: March 4, 1992

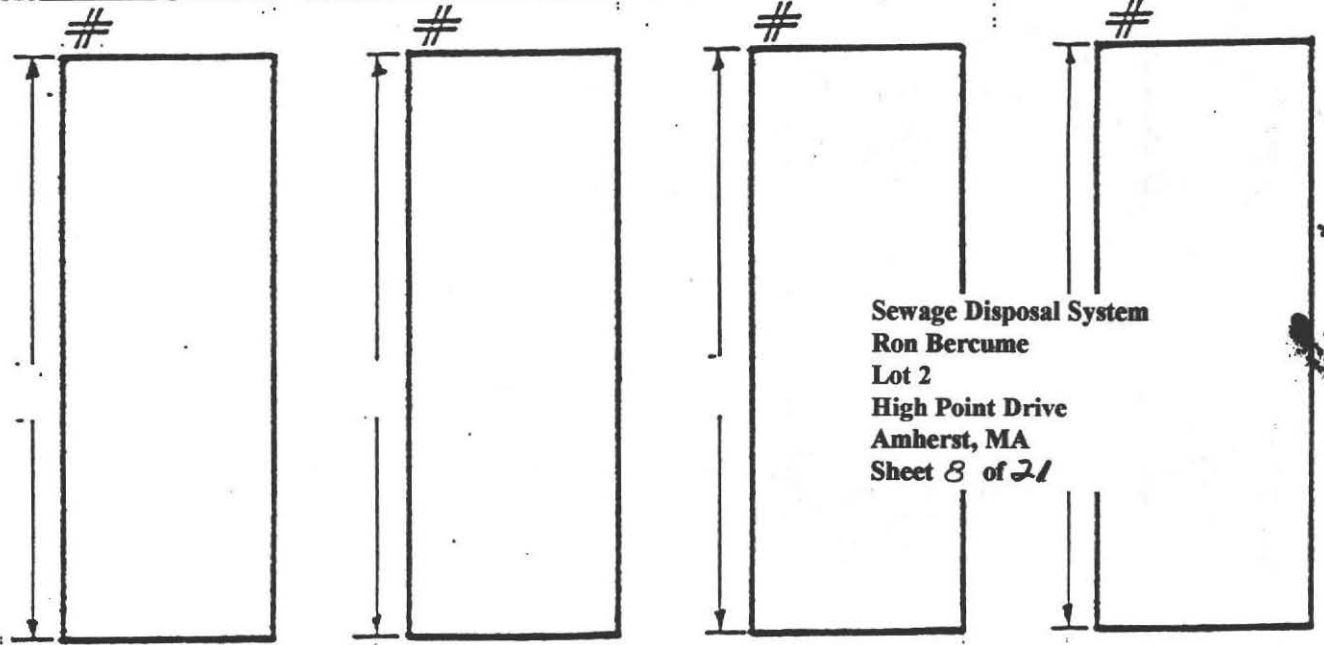
LOCATION: off High Point Drive, Amherst

PERFORMED BY: Rich P. Brazeau

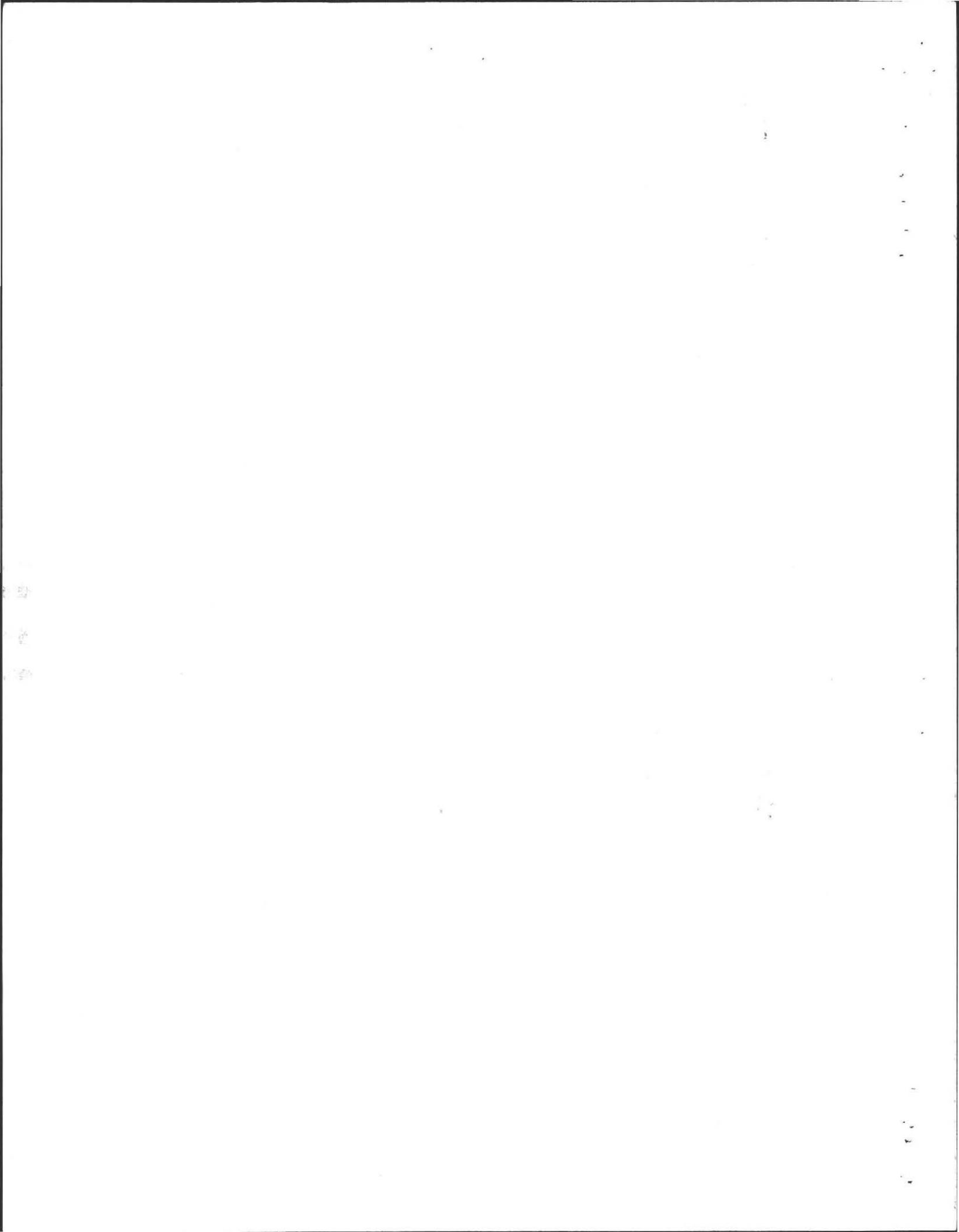
TOWN AGENT: D. Zaronzinski



Oxides at: _____	Oxides at: _____	Oxides at: _____	Oxides at: _____
G.W. at: <u>10' - 6"</u>	G.W. at: <u>10'</u>	G.W. at: <u>9' - 3"</u>	G.W. at: <u>8' - 3"</u>
Perk Rate: <u>6.0</u> min/in	Perk Rate: <u>2.0</u> min/in	Perk Rate: <u>15.0</u> min/in	Perk Rate: <u>6.0</u> min/in



Oxides at: _____	Oxides at: _____	Oxides at: _____	Oxides at: _____
G.W. at: _____	G.W. at: _____	G.W. at: _____	G.W. at: _____
Perk Rate: _____ min/in	Perk Rate: _____ min/in	Perk Rate: _____ min/in	Perk Rate: _____ min/in



OBSERVATION PITS

JOB # P-2070

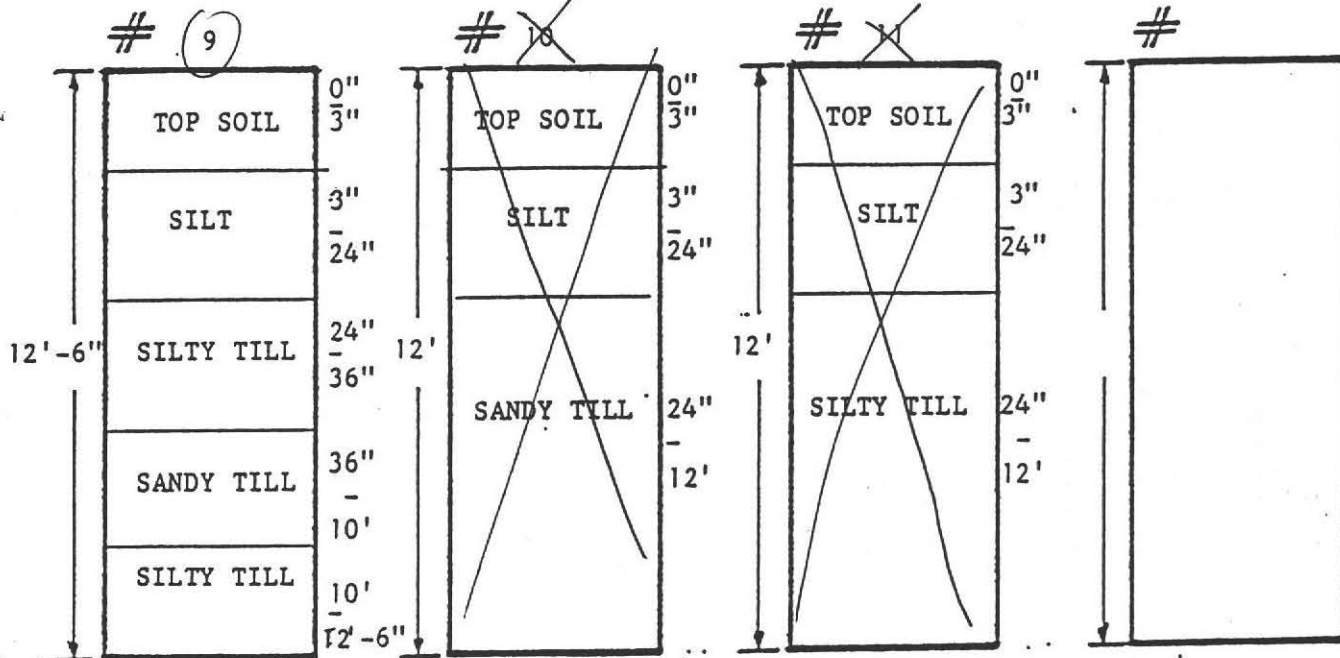
REQUESTED BY: Bill Stepchew

DATE: March 4, 1992

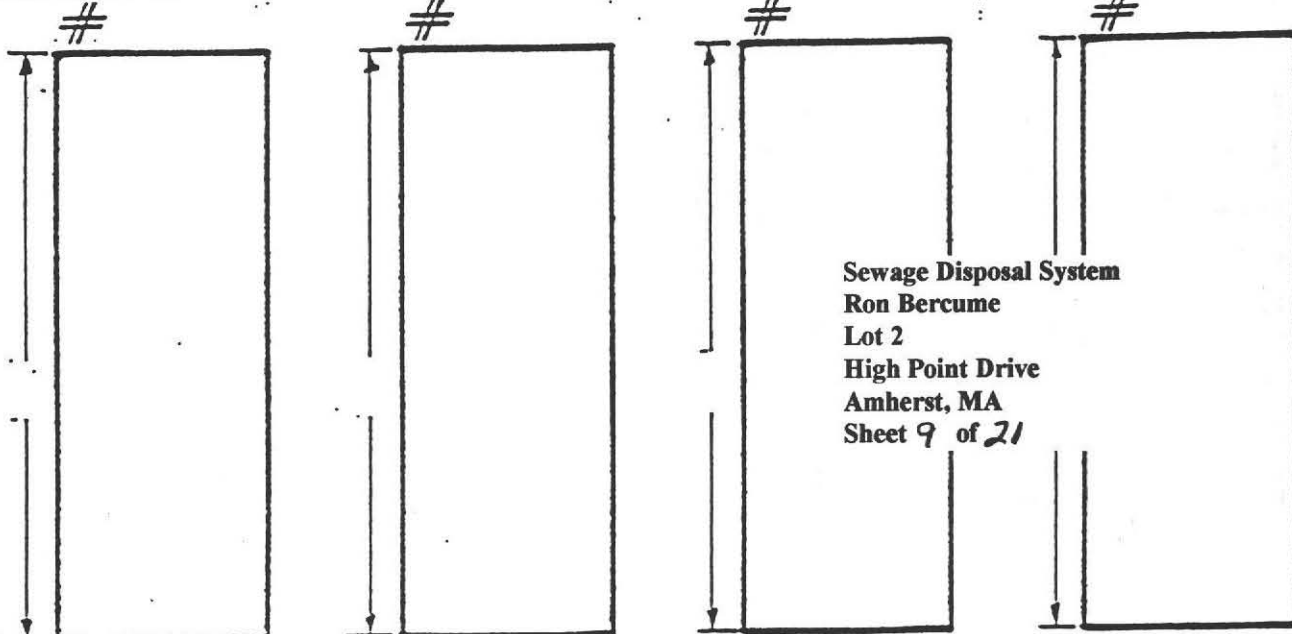
LOCATION: off High point Drive, Amherst

PERFORMED BY: Rich P. Brazeau

TOWN AGENT: D. Zaronzinski

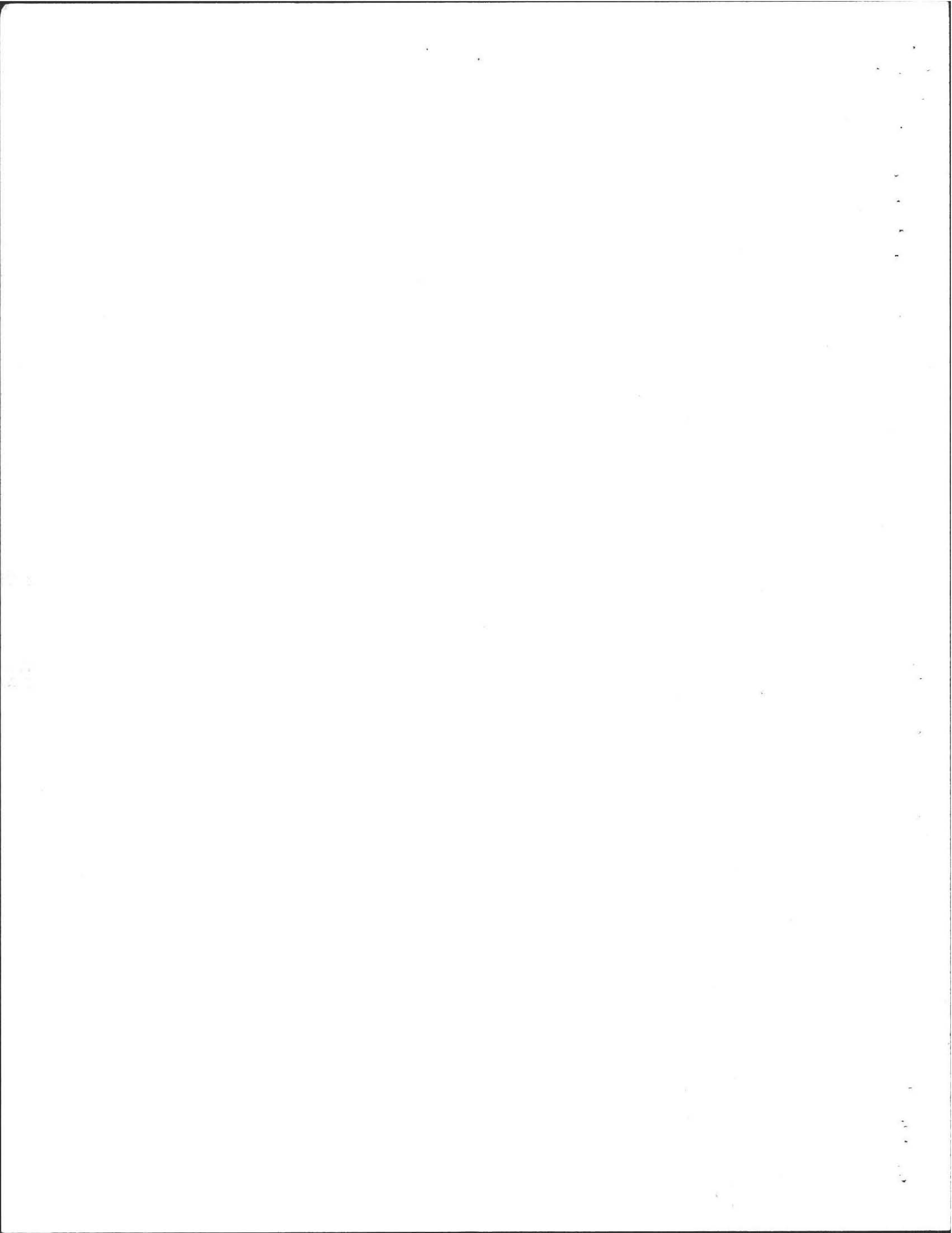


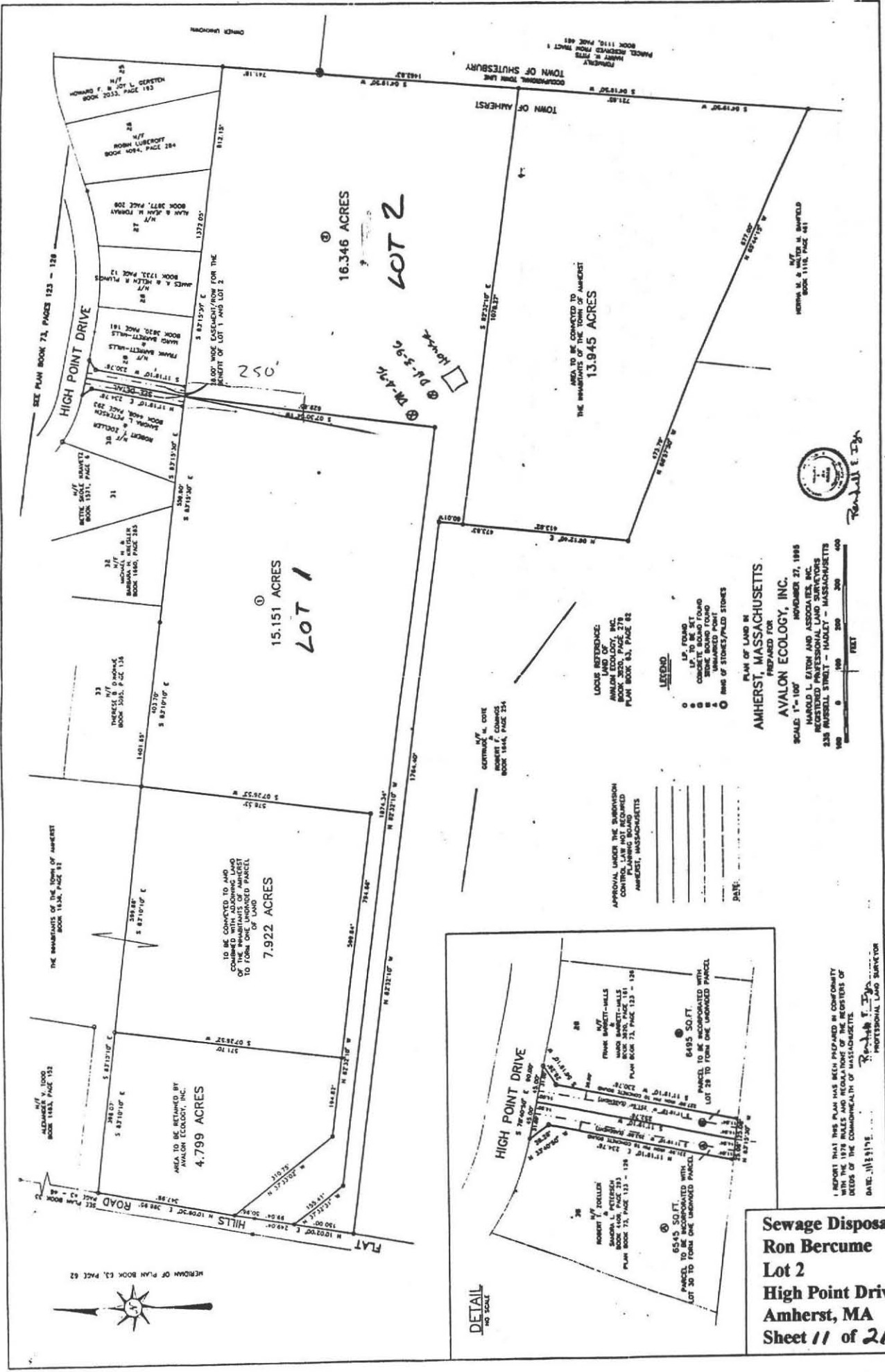
Oxides at: _____	Oxides at: _____	Oxides at: _____	Oxides at: _____
G.W. at: <u>None</u>	G.W. at: <u>10'</u>	G.W. at: <u>7' - 6"</u>	G.W. at: _____
Perk Rate: <u>15.0</u> min/in	Perk Rate: <u>15.0</u> min/in	Perk Rate: <u>No Test</u> min/in	Perk Rate: _____ min/in



Oxides at: _____	Oxides at: _____	Oxides at: _____	Oxides at: _____
G.W. at: _____	G.W. at: _____	G.W. at: _____	G.W. at: _____
Perk Rate: _____ min/in	Perk Rate: _____ min/in	Perk Rate: _____ min/in	Perk Rate: _____ min/in

Sewage Disposal System
 Ron Bercume
 Lot 2
 High Point Drive
 Amherst, MA
 Sheet 9 of 21



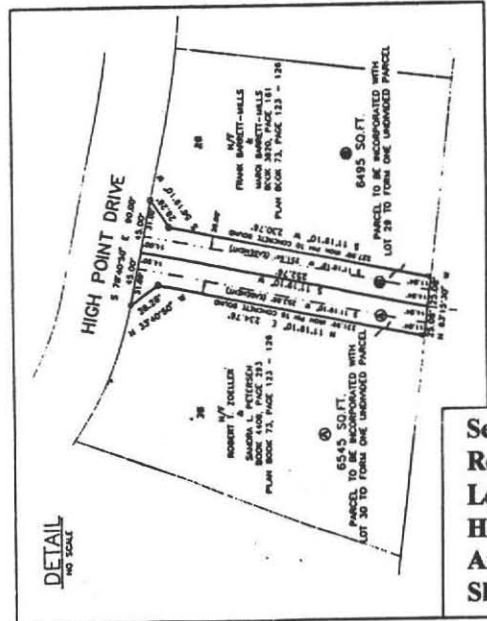


PLAN OF LAND IN
AMHERST, MASSACHUSETTS
 PREPARED FOR
AVALON ECOLOGY, INC.
 SCALE: 1"=100'
 APPROVED BY THE BOARD OF
 AVALON ECOLOGY, INC.
 235 RUSSELL STREET - MAULEY - MASSACHUSETTS

- LEGEND**
- L.P. FOUND
 - L.P. TO BE SET
 - COMPLETED POINT
 - UNMARKED POINT
 - RING OF STONES/PAID STONES

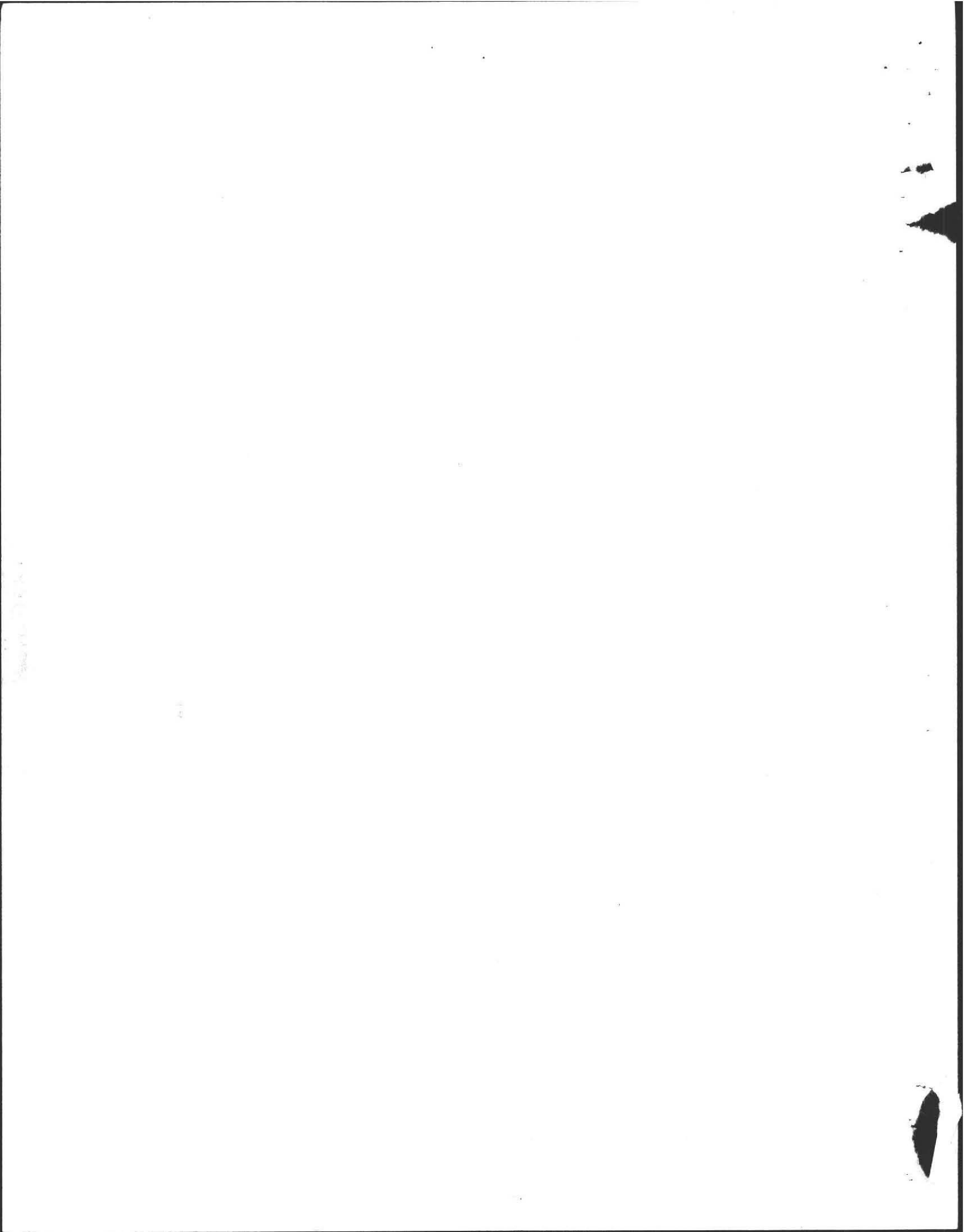
LOCAL REFERENCE:
 LAND OF
 AMHERST, MASSACHUSETTS
 PLAN BOOK 83, PAGE 82

**APPROVAL UNDER THE SUBDIVISION
 CONTROL ACT, CHAPTER 260A,
 MASSACHUSETTS**



Sewage Disposal System
Ron Bercume
Lot 2
High Point Drive
Amherst, MA
Sheet 11 of 21

I REPORT THAT THIS PLAN HAS BEEN PREPARED IN CONFORMITY
 WITH THE 1978 RULES AND REGULATIONS OF THE REGISTER OF
 DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.
 DATE: 11/23/11
 RONALD E. JR.
 PROFESSIONAL LAND SURVEYOR



NOT PD

Refr - 150 perc fees

No. _____

Date: 5-15-01

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

Performed By: Dennis LaCourse
Witnessed By: David Zarush

Date: 5-15-01

Location Address or Lot # <u>2 High Point Drive</u>	Owner's Name, Address and Telephone # <u>Ron Berkman</u>
New Construction <input type="checkbox"/> Repair <input checked="" type="checkbox"/>	

shar plan
connection

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) _____

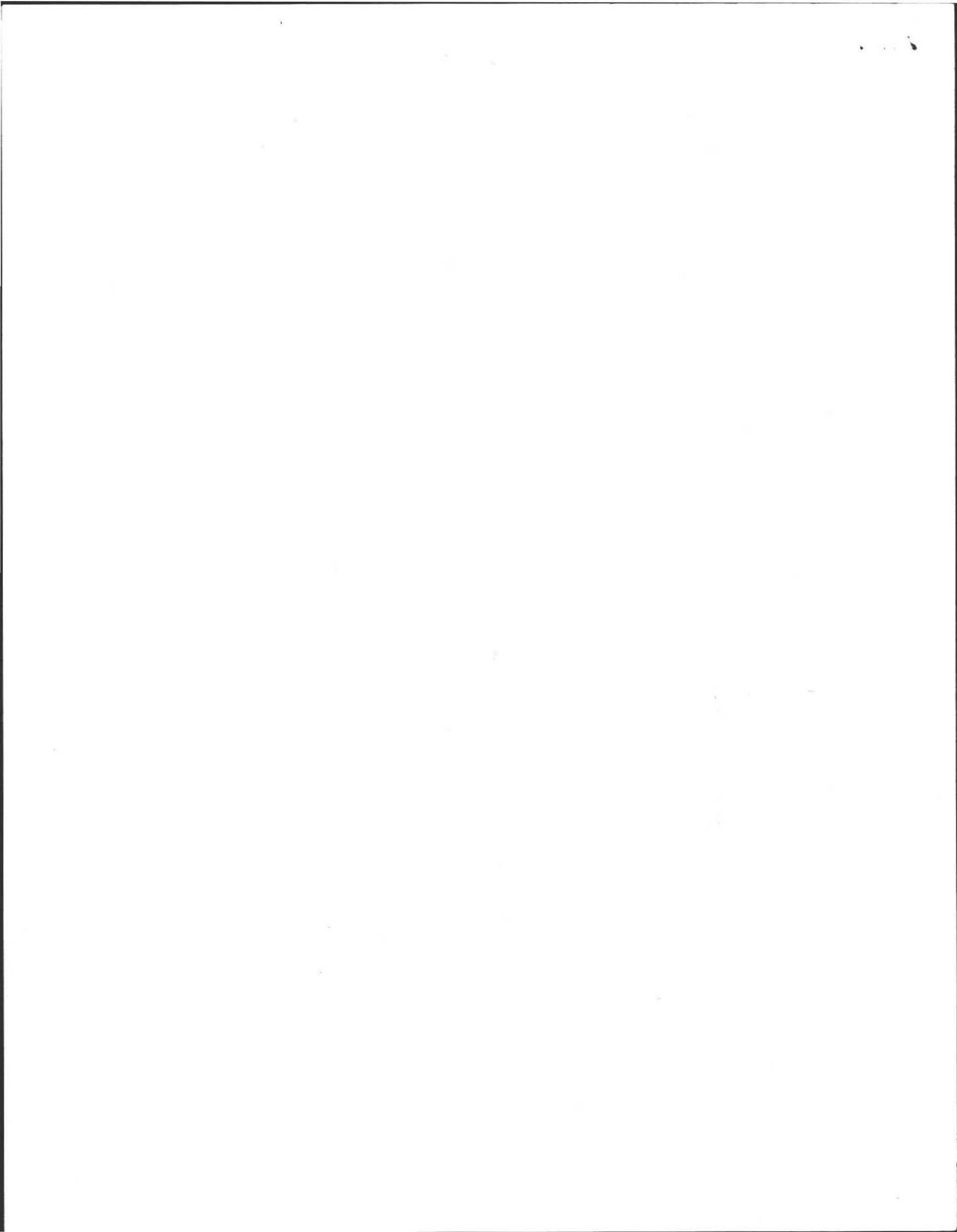
Current Water Resource Conditions (USGS): Month _____

Range :Above Normal Normal Below Normal

Other References Reviewed: _____



LOT Perc Before
New owners want system
out back of house
Re-Perc on 5-15-01



Location Address or Lot No. 2

COMMONWEALTH OF MASSACHUSETTS

, Massachusetts

Percolation Test*		
Date: <u>5-15-01</u>		Time: _____
Observation Hole #	<u>1</u>	
Depth of Perc	<u>44"</u>	
Start Pre-soak	<u>1:49</u>	
End Pre-soak	<u>2:10</u>	
Time at 12"	<u>2:10</u>	
Time at 9"	<u>2:20</u>	
Time at <u>8" 5</u>	<u>2:37</u>	<u>1</u>
Time (9"-6")	<u>47 17 min</u>	
Rate Min./Inch	<u>5</u>	

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

Site Passed Site Failed

Performed By: Dennis Lacourse

Witnessed By: David Zarozinski

Comments: _____



Location Address or Lot No. _____

On-site Review

Deep Hole Number 1A Date: 3-15-01 Time: _____ Weather Cool clouds

Location (identify on site plan) _____

Land Use _____ Slope (%) _____ Surface Stones _____

Vegetation _____

Landform _____

Position on landscape (sketch on the back) _____

Distances from:

Open Water Body	feet	Drainage way	feet
Possible Wet Area	feet	Property Line	feet
Drinking Water Well	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)
4	A	SL	10Y2		Loose granular
24	B	SL	3/2	NO mottles	Loose friable massive
120	C	SL	10Y4/6		52" Firm - 66" cement cobbles 76" cement 5% gravel ↓ Firm
0					GA Stone
2	A	SL	10Y2 3/2		
20	B	SL	10Y2 4/6	slight mottling	10Y2 5/8
120	C	SL	10Y2 5/6	few fm.	

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

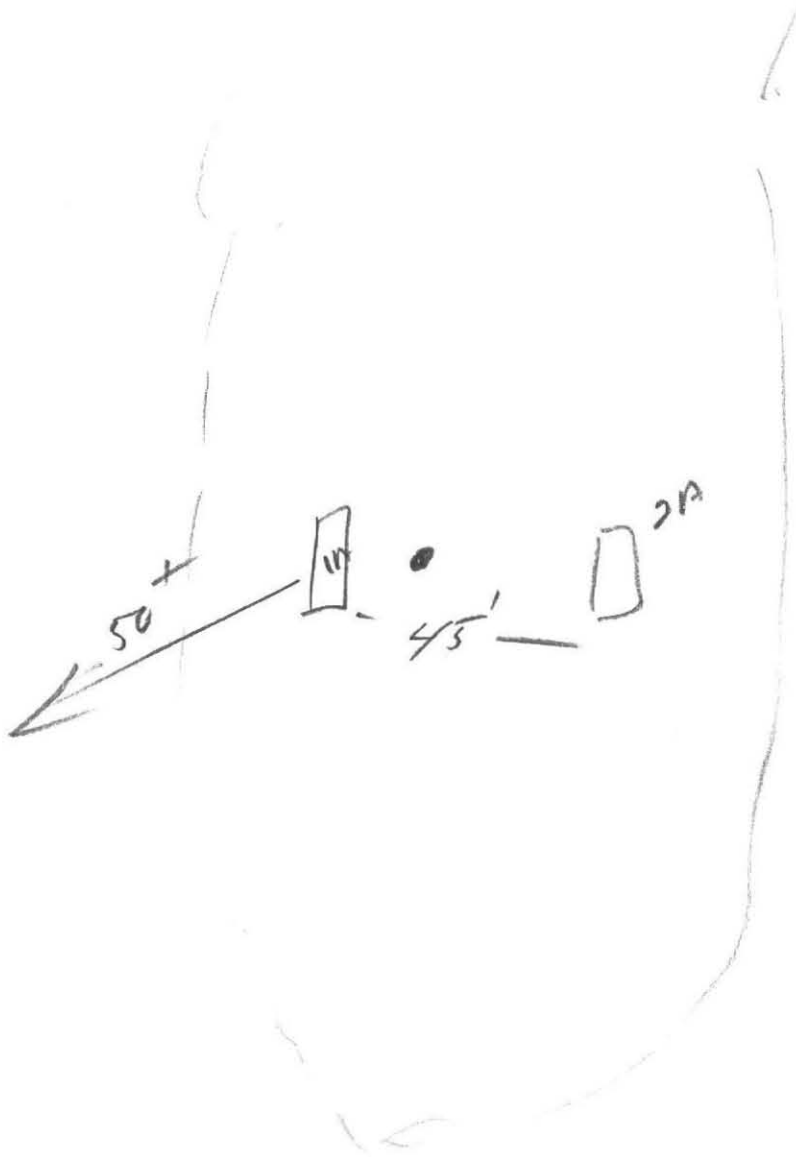
Parent Material (geologic) Basal Till Depth to Bedrock: 120"

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

Estimated Seasonal High Ground Water: 8+ FEET



Hurst



No. _____

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: RONALD BERGUME - BERGUME BUILDERS

at: LOT-2 - HIGH POINT DRIVE - (COMMON DRIVE)

has been installed in accordance with the provisions of 310 CMR 15.00 (Title 5) and the approved design plan/as-built plans relating to application No. _____

dated SEPT. 9, 2001 . Approved Design Flow 123.72 (gpd)

Installer KARL'S EXCAVATING

Designer: Timothy Magini Inspector DAVE ZAROZINSKI

Date 11-29-01

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

File



