Location Address or Lot No. 41 NORTH MAIN STREET - SHERBORN

COMMONWEALTH OF MASSACHUSETTS

SHERBORN , Massachusetts

Percolation Test*

Date: 4-30-99 Time: 12:40

Observation Hole #	PT-A	PT-C
Depth of Perc	66"	60"
Start Pre-soak	12:40	12:42
End Pre-soak	12:55	12:57
Time at 12" 12	12:55	12:57
11	12:57	12:59
10	1:00	1:01
Time at 9" 9	1:03	1:03
8	1:06	1:05
7	1:09	1:08
Time at 6"	1:12	1:11
Time (9"-6")	9	8
Rate Min./Inch	3 MPI	3 MPI

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

Site Passed ☑ Site Failed ☐

Performed By: BRUCE KINSMAN - METROWEST ENGINEERING, INC.

Witnessed By: MARK ORAM - SHERBORN BOARD OF HEALTH

Comments:

FORM 12 - PERCOLATION TEST

Location Address or Lot No. 41 NORTH MAIN STREET - SHERBORN

COMMONWEALTH OF MASSACHUSETTS

SHERBORN , Massachusetts

Percolation Test*

Date: 4-30-99 Time: 1:44

Observation Hole #	PT-D	PT-E
Depth of Perc	50"	42"
Start Pre-soak	1:44	1:55
End Pre-soak	2:00	2:10
Time at 12" 12 11 10	2:00 2:05 2:10	2:10 2:18 2:28
Time at 9" 9 8 7	2:15 2:20 2:25	—
Time at 6"	2:31	—
Time (9"-6")	16	OVER 10 MPI *
Rate Min./Inch	6 MPI	OVERNIGHT SOAK REQUIRED

* PER TOWN OF SHERBORN BOARD OF HEALTH REGS.

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

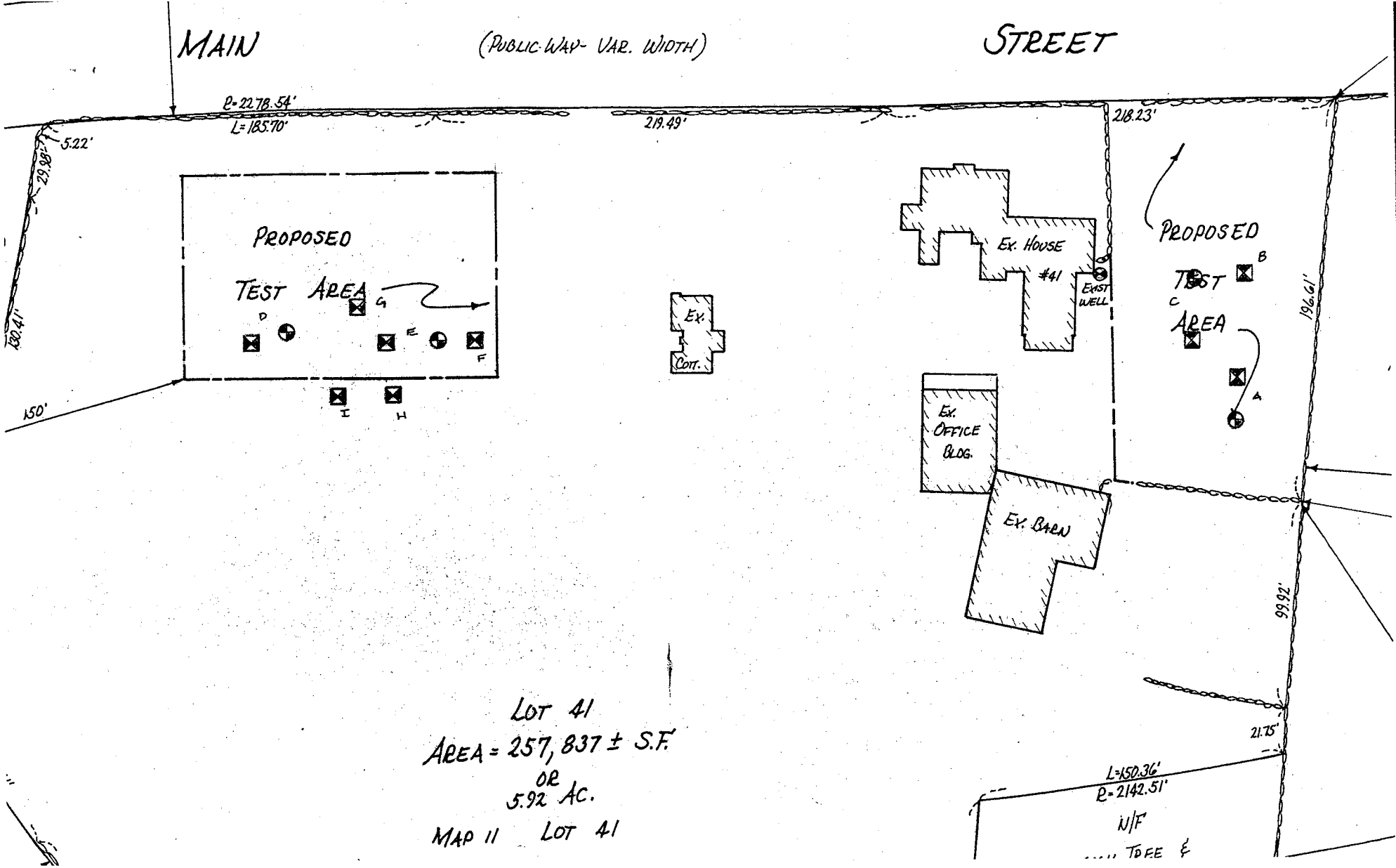
Site Passed ☐ Site Failed ☐ PT-D PASSED / ADDITIONAL PERCOLATION TEST REQUIRED

Performed By: BRUCE KINSMAN - METROWEST ENGINEERING, INC.

Witnessed By: MARK ORAM - SHERBORN BOARD OF HEALTH

Comments:

DEP APPROVED FORM - 12/07/95



LOT 41

AREA = 257,837 ± S.F.

OR

5.92 AC.

MAP 11 LOT 41

No. DTH-A

Date: 6-10-99

Commonwealth of Massachusetts
, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: BRUCE KINSMAN - METROWEST ENGINEERING Date: 4-30-99

Witnessed By: MARK ORAM - SHERBORN BOARD OF HEALTH

Location Address or Lot # 41 NORTH MAIN STREET SHERBORN, MA	Owner's Name, Address, and Telephone # KENT FITZPATRICK 41 NORTH MAIN STREET SHERBORN, MA 01770 508-653-2502
New Construction ☑ Repair ☐	

Office Review

Published Soil Survey Available: No ☐ Yes ☑

Year Published 1986 Publication Scale 1:25,000 Soil Map Unit 123B (PAXTON)

Drainage Class C Soil Limitations STONINESS AND SLOW PERMEABILITY

Surficial Geologic Report Available: No ☐ Yes ☐

Year Published ____ Publication Scale ____

Geologic Material (Map Unit) ____

Landform DRUMLIN

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. 41 NORTH MAIN STREET - SHERBORN

On-site Review

Deep Hole Number DTN-A Date: 4-30-99 Time: 8:30 AM Weather SUNNY
Location (identify on site plan)
Land Use AGRICULTURAL Slope (%) 1% Surface Stones NONE
Vegetation DECIDUOUS (APPLE ORCHARD)
Landform DRUMLIN (ON SLOPE)
Position on landscape (sketch on the back)
Distances from:

Open Water Body	feet	Drainage way 450	feet
Possible Wet Area 400	feet	Property Line 35	feet
Drinking Water Well 80	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)
0 - 14"	Ap	LOAM	10YR 3/3	NONE	FRIABLE
14 - 34"	Bw	SANDY LOAM	10YR 5/5	NONE	
34 - 120"	C_1	LOAMY SAND	2.5Y 6/3	@ 60"	HIGH CHROMA 7.5YR 5/5 LOW CHROMA 2.5Y 6/2

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) OUTWASH DepthtoBedrock: NONE
Depth to Groundwater: Standing Water in the Hole: NONE Weeping from Pit Face: NONE
Estimated Seasonal High Ground Water: 60" (MOTTLING)

DTH - A

Location Address or Lot No. 41 NORTH MAIN STREET - SHERBORN

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 60 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 APRIL 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 15.017.

Signature Bruce K Kinsman Date 6-10-99

No. DTH-B

Date: 6-10-99

Commonwealth of Massachusetts
, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: BRUCE KINSMAN - METROWEST ENGINEERING Date: 4-30-99

Witnessed By: MARK ORAM - SHERBORN BOARD OF HEALTH

Location Address or Lot #	Owner's Name, Address, and Telephone #
41 NORTH MAIN STREET SHERBORN, MA	KENT FITZPATRICK 41 NORTH MAIN STREET SHERBORN, MA 01770 508-653-2502

New Construction ☑ Repair ☐

Office Review

Published Soil Survey Available: No ☐ Yes ☑

Year Published 1986 Publication Scale 1:25,000 Soil Map Unit 123B (PAXTON)

Drainage Class C Soil Limitations STONINESS AND SLOW PERMEABILITY

Surficial Geologic Report Available: No ☐ Yes ☐

Year Published ..... Publication Scale .....

Geologic Material (Map Unit) .....

Landform DRUMLIN

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. 41 NORTH MAIN STREET - SHERBORN

On-site Review

Deep Hole Number DTH-B Date: 4-30-99 Time: 9:00 AM Weather SUNNY
Location (identify on site plan)
Land Use AGRICULTURAL Slope (%) 1% Surface Stones NONE
Vegetation DECIDUOUS (APPLE ORCHARD)
Landform DRUMLIN (ON SLOPE)
Position on landscape (sketch on the back)
Distances from:

Open Water Body		feet	Drainage way	490	feet
Possible Wet Area	440	feet	Property Line	38	feet
Drinking Water Well	70	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)
0 - 10"	Ap	LOAM	10YR 3/3	NONE	FRIABLE
10 - 30"	Bw	SANDY LOAM	10YR 5/5	NONE	
30 - 48"	C_1	LOAMY SAND	2.5 Y 5/4	@ 36"	VERY FINE PARTICLES HIGH CHROMA 7.5 YR 5/5 LOW CHROMA 2.5 Y 6/2
48 - 132"	C_2	LOAMY SAND	2.5 Y 5/3		FINE - MEDIUM PARTICLES - SOME LARGE BOULDERS AND STONES

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) OUTWASH DepthtoBedrock: NONE
Depth to Groundwater: Standing Water in the Hole: NONE Weeping from Pit Face: NONE
Estimated Seasonal High Ground Water: 36" (MOTTLING)

DTH-B

Location Address or Lot No. 41 NORTH MAIN STREET - SHERBORN

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 36 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 APRIL 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 15.017.

Signature Bruce K Kinsman Date 6-10-99

No. DTH-C

Date: 6-10-99

Commonwealth of Massachusetts
, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: BRUCE KINSMAN - METROWEST ENGINEERING Date: 4-30-99

Witnessed By: MARK ORAM - SHERBORN BOARD OF HEALTH

Location Address or Lot # 41 NORTH MAIN STREET SHERBORN, MA	Owner's Name, Address, and Telephone # KENT FITZPATRICK 41 NORTH MAIN STREET SHERBORN, MA 01770 508-653-2502

New Construction ☑ Repair ☐

Office Review

Published Soil Survey Available: No ☐ Yes ☑

Year Published 1986 Publication Scale 1:25,000 Soil Map Unit 123B (PAXTON)

Drainage Class C Soil Limitations STONINESS AND SLOW PERMEABILITY

Surficial Geologic Report Available: No ☐ Yes ☐

Year Published ..... Publication Scale .....

Geologic Material (Map Unit) .....

Landform DRUMLIN

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. 41 NORTH MAIN STREET - SHERBORN

On-site Review

Deep Hole Number DTH-C Date: 4-30-99 Time: 9:30 AM Weather SUNNY
Location (identify on site plan)
Land Use AGRICULTURAL Slope (%) 1% Surface Stones NONE
Vegetation DECIDUOUS (APPLE ORCHARD)
Landform DRUMLIN (ON SLOPE)
Position on landscape (sketch on the back)
Distances from:

Open Water Body	feet	Drainage way 470	feet
Possible Wet Area 420	feet	Property Line 60	feet
Drinking Water Well 55	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)
0-14"	Ap	LOAM	10YR 3/3	NONE	FRIABLE
14-36"	Bw	SANDY LOAM	10YR 5/5	NONE	
36-132"	C_1	LOAMY SAND	2.5 Y 5/3	@ 36"	FINE - MEDIUM PARTICLES SOME LARGE BOULDERS AND STONES HIGH CHROMA 7.5 YR 5/5 LOW CHROMA 2.5 Y 6/2

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) OUTWASH DepthtoBedrock: NONE
Depth to Groundwater: Standing Water in the Hole: NONE Weeping from Pit Face: NONE
Estimated Seasonal High Ground Water: 36" (MOTTLING)

DTH - C

Location Address or Lot No. 41 NORTH MAIN STREET - SHERBORN

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 36 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 APRIL 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 15.017.

Signature Bruce K. Date 6-10-99

No. DTH-D

Date: 6-10-99

Commonwealth of Massachusetts
, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: BRUCE KINSMAN - METROWEST ENGINEERING Date: 4-30-99

Witnessed By: MARK ORAM - SHERBORN BOARD OF HEALTH

Location Address or Lot # 41 NORTH MAIN STREET SHERBORN, MA	Owner's Name, Address, and Telephone # KENT FITZPATRICK 41 NORTH MAIN STREET SHERBORN, MA 01770 508-653-2502
New Construction ☑ Repair ☐	

Office Review

Published Soil Survey Available: No ☐ Yes ☑

Year Published 1986 Publication Scale 1:25,000 Soil Map Unit 123B (PAXTON)

Drainage Class C Soil Limitations STONINESS AND SLOW PERMEABILITY

Surficial Geologic Report Available: No ☐ Yes ☐

Year Published ..... Publication Scale .....

Geologic Material (Map Unit) .....

Landform DRUMLIN

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. 41 NORTH MAIN STREET - SHERBORN

On-site Review

Deep Hole Number DTH-D Date: 4-30-99 Time: 12:00 Weather SUNNY
Location (identify on site plan)
Land Use AGRICULTURAL Slope (%) 3-5% Surface Stones FEW
Vegetation DECIDUOUS (APPLE ORCHARD)
Landform DRUMLIN
Position on landscape (sketch on the back)
Distances from:

Open Water Body	feet	Drainage way 475	feet
Possible Wet Area 425	feet	Property Line 115	feet
Drinking Water Well 260	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)
0 - 8"	Ap	LOAM	10YR 3/3	NONE	FRIABLE
8 - 30"	Bw	SANDY LOAM	10YR 5/5	NONE	
30 - 132"	C_D	LOAMY SAND	2.5Y 4/3	@ 48"	SOME LARGE BOULDERS HIGH CHROMA 7.5YR 5/5 LOW CHROMA 2.5Y 6/2

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) GLACIAL TILL Depth to Bedrock: NONE
Depth to Groundwater: Standing Water in the Hole: NONE Weeping from Pit Face: NONE
Estimated Seasonal High Ground Water: 48" (MOTTLING)

DTH - D

Location Address or Lot No. 41 NORTH MAIN STREET - SHERBORN

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 48 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 APRIL 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 15.017.

Signature Bruce K Kinney Date 6-10-99

No. DTH-E

Date: 6-10-99

Commonwealth of Massachusetts
, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: BRUCE KINSMAN - METROWEST ENGINEERING Date: 4-30-99

Witnessed By: MARK ORAM - SHERBORN BOARD OF HEALTH

Location Address or Lot # 41 NORTH MAIN STREET SHERBORN, MA	Owner's Name, Address, and Telephone # KENT FITZPATRICK 41 NORTH MAIN STREET SHERBORN, MA 01770 508-653-2502

New Construction ☑ Repair ☐

Office Review

Published Soil Survey Available: No ☐ Yes ☑

Year Published 1986 Publication Scale 1:25,000 Soil Map Unit 1238 (PAXTON)

Drainage Class C Soil Limitations STONINESS AND SLOW PERMEABILITY

Surficial Geologic Report Available: No ☐ Yes ☐

Year Published ..... Publication Scale .....

Geologic Material (Map Unit) .....

Landform DRUMLIN

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. 41 NORTH MAIN STREET - SHERBORN

On-site Review

Deep Hole Number DTH-E Date: 4-30-99 Time: 12:30 Weather SUNNY
Location (identify on site plan)
Land Use AGRICULTURAL Slope (%) 3-5% Surface Stones FEW
Vegetation DECIDUOUS (APPLE ORCHARD)
Landform DRUMLIN
Position on landscape (sketch on the back)
Distances from:

Open Water Body		feet	Drainage way	475	feet
Possible Wet Area	425	feet	Property Line	115	feet
Drinking Water Well	275	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)
0 - 8"	Ap	LOAM	10YR 3/3	NONE	FRIABLE
8 - 30"	Bw	SANDY LOAM	10 YR 5/5		
30 - 100"	C D	LOAMY SAND	2.5Y 4/3	@ 32"	SOME LARGE BOULDERS HIGH CHROMA 7.5 YR 5/5 LOW CHROMA 2.5 Y 6/2

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) GLACIAL TILL Depth to Bedrock: 100"
Depth to Groundwater: Standing Water in the Hole: NONE Weeping from Pit Face: NONE
Estimated Seasonal High Ground Water: 32" (MOTTLING)

DTH-E

Location Address or Lot No. 41 NORTH MAIN STREET - SHERBORN

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 32 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 APRIL 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 15.017.

Signature Bruce K Kinsman Date 6-10-99

No. DTH-F

Date: 6-10-99

Commonwealth of Massachusetts
, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: BRUCE KINSMAN - METROWEST ENGINEERING Date: 4-30-99

Witnessed By: MARK ORAM - SHERBORN BOARD OF HEALTH

Location Address or Lot # 41 NORTH MAIN STREET SHERBORN, MA	Owner's Name, Address, and Telephone # KENT FITZPATRICK 41 NORTH MAIN STREET SHERBORN, MA 01770 508-653-2502

New Construction ☑ Repair ☐

Office Review

Published Soil Survey Available: No ☐ Yes ☑

Year Published 1986 Publication Scale 1:25,000 Soil Map Unit 123B (PAXTON)

Drainage Class C Soil Limitations STONINESS AND SLOW PERMEABILITY

Surficial Geologic Report Available: No ☐ Yes ☐

Year Published ..... Publication Scale .....

Geologic Material (Map Unit) .....

Landform DRUMLIN

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. 41 NORTH MAIN STREET - SHERBORN

On-site Review

Deep Hole Number DTH-F Date: 4-30-99 Time: 1:00 PM Weather SUNNY
Location (identify on site plan)
Land Use AGRICULTURAL Slope (%) 3-5% Surface Stones FEW
Vegetation DECIDUOUS (APPLE ORCHARD)
Landform DRUMLIN
Position on landscape (sketch on the back)
Distances from:

Open Water Body	feet	Drainage way 475	feet
Possible Wet Area 425	feet	Property Line 115	feet
Drinking Water Well 290	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)
0 - 8"	AP	LOAM	10YR 3/3	NONE	FRIABLE
8 - 30"	BW	SANDY LOAM	10YR 5/5	NONE	
30 - 76"	CD	LOAMY SAND	2.5Y 4/3	@ 40"	SOME LARGE BOULDERS HIGH CHROMA 7.5YR 5/5 LOW CHROMA 2.5Y 6/2

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) GLACIAL TILL DepthtoBedrock: 76"
Depth to Groundwater: Standing Water in the Hole: NONE Weeping from Pit Face: NONE
Estimated Seasonal High Ground Water: 40" (MOTTLING)

DTH - F

Location Address or Lot No. 41 NORTH MAIN STREET - SHERBORN

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 40 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? NO

If not, what is the depth of naturally occurring pervious material? 46"

Certification

I certify that on APRIL 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 15.017.

Signature Brian K Kiss Date 6-10-99

No. DTH-G

Date: 6-10-99

Commonwealth of Massachusetts
, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: BRUCE KINSMAN - METROWEST ENGINEERING Date: 4-30-99

Witnessed By: MARK ORAM - SHERBORN BOARD OF HEALTH

Location Address or Lot # 41 NORTH MAIN STREET SHERBORN, MA	Owner's Name, Address, and Telephone # KENT FITZPATRICK 41 NORTH MAIN STREET SHERBORN, MA 01770 508-653-2502

New Construction ☑ Repair ☐

Office Review

Published Soil Survey Available: No ☐ Yes ☑

Year Published 1986 Publication Scale 1:25,000 Soil Map Unit 123B (PAXTON)

Drainage Class C Soil Limitations STONINESS AND SLOW PERMEABILITY

Surficial Geologic Report Available: No ☐ Yes ☐

Year Published ..... Publication Scale .....

Geologic Material (Map Unit) .....

Landform DRUMLIN

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. 41 NORTH MAIN STREET - SHERBORN

On-site Review

Deep Hole Number DTH-G Date: 4-30-99 Time: 1:30 PM Weather SUNNY
Location (identify on site plan)
Land Use AGRICULTURAL Slope (%) 3-5% Surface Stones FEW
Vegetation DECIDUOUS (APPLE ORCHARD)
Landform DRUMLIN
Position on landscape (sketch on the back)
Distances from:

Open Water Body	feet	Drainage way	500 feet
Possible Wet Area	450 feet	Property Line	95 feet
Drinking Water Well	250 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)
0-8"	Ap	LOAM	10YR 3/3	NONE	FRIABLE
8-28"	Bw	SANDY LOAM	10YR 5/5	NONE	

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) GLACIAL TILL Depth to Bedrock: 28"
Depth to Groundwater: Standing Water in the Hole: NONE Weeping from Pit Face: NONE
Estimated Seasonal High Ground Water: 28" (BEDROCK)

DTN - G

Location Address or Lot No. 41 NORTH MAIN STREET - SHERBORN

Determination for Seasonal High Water Table

Method Used:

- [x] Depth observed standing in observation hole 20 inches (BEDROCK)
- [ ] Depth weeping from side of observation hole ..... inches
- [ ] Depth to soil mottles ..... 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? NO

If not, what is the depth of naturally occurring pervious material? 0"

Certification

I certify that on APRIL 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 15.017.

Signature Bruce K Kinsman Date 6-10-99

No. DTH-H

Date: 6-10-99

Commonwealth of Massachusetts
, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: BRUCE KINSMAN - METROWEST ENGINEERING Date: 4-30-99

Witnessed By: MARK ORAM - SHERBORN BOARD OF HEALTH

Location Address or Lot # 41 NORTH MAIN STREET SHERBORN, MA	Owner's Name, Address, and Telephone # KENT FITZPATRICK 41 NORTH MAIN STREET SHERBORN, MA 01770 508-653-2502

New Construction ☑ Repair ☐

Office Review

Published Soil Survey Available: No ☐ Yes ☑

Year Published 1986 Publication Scale 1:25,000 Soil Map Unit 123B (PAXTON)

Drainage Class C Soil Limitations STONINESS AND SLOW PERMEABILITY

Surficial Geologic Report Available: No ☐ Yes ☐

Year Published ..... Publication Scale .....

Geologic Material (Map Unit) .....

Landform DRUMLIN

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. 41 NORTH MAIN STREET - SHERBORN

On-site Review

Deep Hole Number DTH-H Date: 4-30-99 Time: 2:00 PM Weather SUNNY
Location (identify on site plan)
Land Use AGRICULTURAL Slope (%) 3-5% Surface Stones FEW
Vegetation DECIDUOUS (APPLE ORCHARD)
Landform DRUMLIN
Position on landscape (sketch on the back)
Distances from:

Open Water Body		feet	Drainage way	450	feet
Possible Wet Area	400	feet	Property Line	140	feet
Drinking Water Well	290	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)
0-8"	Ap	LOAM	10YR 3/3	NONE	FRIABLE
8-30"	Bw	SANDY LOAM	10YR 5/5	NONE	
30-46"	C_D	LOAMY SAND	2.5Y 4/3		

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) GLACIAL TILL Depth to Bedrock: 46"
Depth to Groundwater: Standing Water in the Hole: NONE Weeping from Pit Face: NONE
Estimated Seasonal High Ground Water: 46" (BEDROCK)

DTH - 1H

Location Address or Lot No. 41 NORTH MAIN STREET - SHERBORN

Determination for Seasonal High Water Table

Method Used:

- [x] Depth observed standing in observation hole 46 inches (BEDROCK)
- [ ] Depth weeping from side of observation hole ..... inches
- [ ] Depth to soil mottles ..... 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? NO

If not, what is the depth of naturally occurring pervious material? 16"

Certification

I certify that on APRIL 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 15.017.

Signature Bruce K Kinsman Date 6-10-99

No. DTH - I

Date: 6-10-99

Commonwealth of Massachusetts
, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: BRUCE KINSMAN - METROWEST ENGINEERING Date: 4-30-99

Witnessed By: MARK ORAM - SHERBORN BOARD OF HEALTH

Location Address or Lot # 41 NORTH MAIN STREET SHERBORN, MA	Owner's Name, Address, and Telephone # KENT FITZPATRICK 41 NORTH MAIN STREET SHERBORN, MA 01770 508-653-2502

New Construction ☑ Repair ☐

Office Review

Published Soil Survey Available: No ☐ Yes ☑

Year Published 1986 Publication Scale 1:25,000 Soil Map Unit 123B (PAXTON)

Drainage Class C Soil Limitations STONINESS AND SLOW PERMEABILITY

Surficial Geologic Report Available: No ☐ Yes ☐

Year Published ..... Publication Scale .....

Geologic Material (Map Unit) .....

Landform DRUMLIN

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. 41 NORTH MAIN STREET - SHERBORN

On-site Review

Deep Hole Number DTN-I Date: 4-30-99 Time: 2:30 PM Weather SUNNY
Location (identify on site plan)
Land Use AGRICULTURAL Slope (%) 3-5% Surface Stones FEW
Vegetation DECIDUOUS (APPLE ORCHARD)
Landform DRUMLIN
Position on landscape (sketch on the back)
Distances from:

Open Water Body		feet	Drainage way	450	feet
Possible Wet Area	400	feet	Property Line	140	feet
Drinking Water Well	300	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)
0 - 8"	AP	LOAM	10YR 3/3	NONE	FRIABLE
8 - 30"	Bw	SANDY LOAM	10 YR 5/5	NONE	
30 - 60"	Cd	LOAMY SAND	2.5Y 4/3	@ 48"	HIGH CHROMA 7.5 YR 5/5 LOW CHROMA 2.5 Y 6/2

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) GLACIAL TILL Depth to Bedrock: 60"
Depth to Groundwater: Standing Water in the Hole: NONE Weeping from Pit Face: NONE
Estimated Seasonal High Ground Water: 48" (MOTTLING)

DTH - I

Location Address or Lot No. 41 NORTH MAIN STREET - SHERBORN

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 48 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? NO

If not, what is the depth of naturally occurring pervious material? 30"

Certification

I certify that on APRIL 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 15.017.

Signature Bruce K Kinsman Date 6-10-99