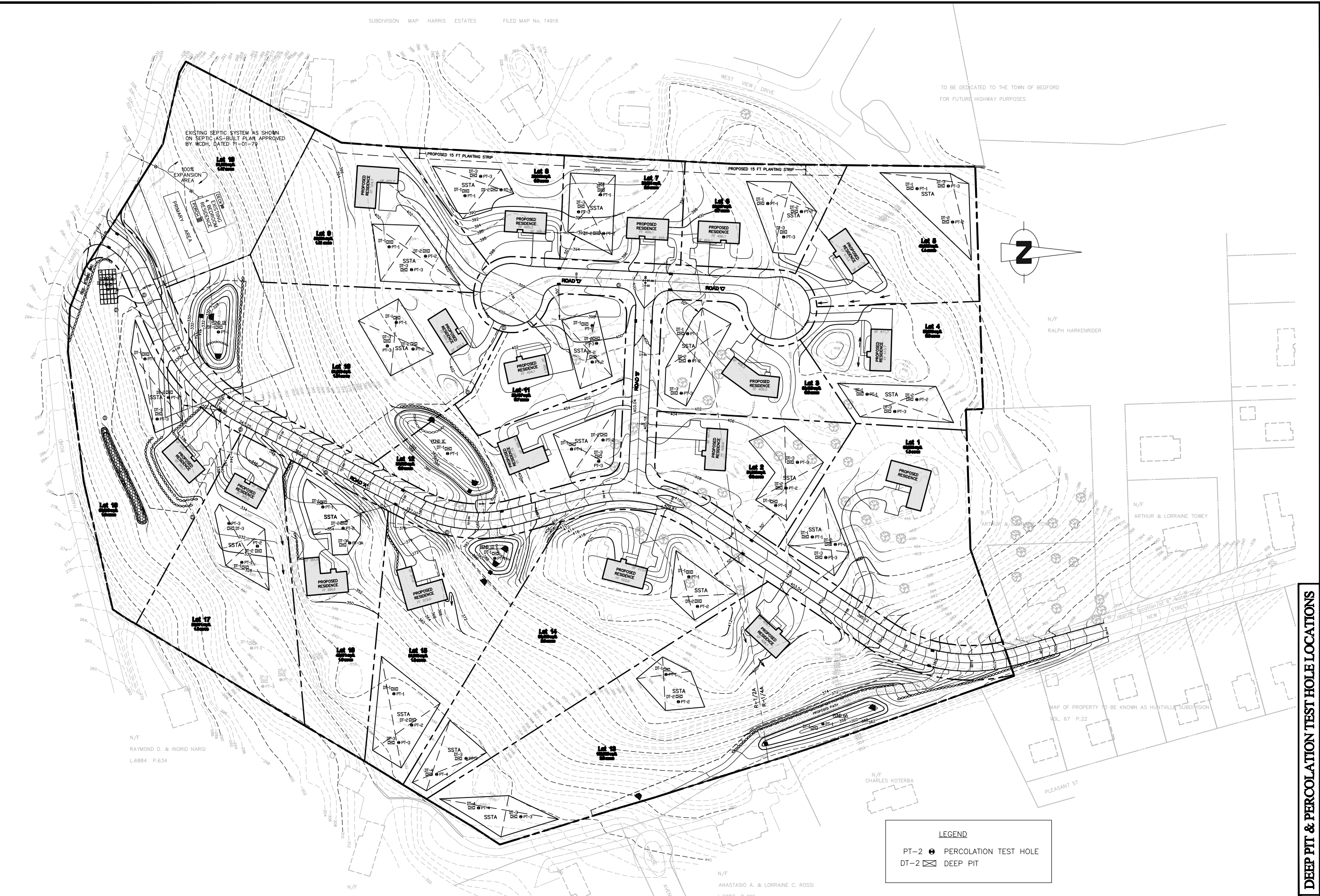


Appendix H
Soil Testing Data Sheets



REVISIONS	JOB NO. 2001-27
	DATE 06.27.05
	SCALE 1"=60'
	DRAWN BY: SP
	CHECKED BY: R.C.P.

392 COLUMBUS AVENUE
VALHALLA, NEW YORK 10985
914.948.3629
RUDOLPH C. PETRUCCELLI, P.E.

**PETRUCCELLI
ENGINEERING**

FOR
COSIMO TRIPI
AND
JAMES P. MURPHY AND ADELAIDE V. MURPHY
HARRIS ROAD
NEW YORK

**DEEP PIT & PERCOLATION TEST HOLE LOCATIONS
PROPOSED SUBDIVISION**

SHEET NO.	1
	1

DEEP PIT & PERCOLATION TEST HOLE LOCATIONS
SCALE: 1"=60'-0"

NOTE: UNAUTHORIZED ALTERATIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

NOTE: THIS PLAN IS NULL AND VOID UNLESS IT BEARS THE ORIGINAL SEAL AND SIGNATURE OF THE ENGINEER.

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
Bureau of Environmental Quality
118 N. Bedford Road
Mount Kisco, NY 10549

DESIGN DATA SHEET – SEPARATE SEWAGE SYSTEM

WCDH FILE # _____

Owner COSIMO TRIPI Address 8 KINGDOM RIDGE RD, BEDFORD, NY 10506

Located at (street) HARRIS RD & NEW ST Sec. 60.7 Block 2 Lot 8, 8.1, 8.2 & 9
 (Indicate nearest cross St.)

Municipality TOWN OF BEDFORD
 Watershed STONE HILL RIVER NYCDEP: Joint Review Delegated

SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Presoak Date: 5/19/09 Run date: 5/20/09

HOLE #		CLOCK TIME			PERCOLATION			
Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface		Water Level Drop In Inches	Soil Rate Min./In. Drop
					Start Inches	Stop Inches		
#1	1	9:29	9:40	11	20	23	3	3.66
	2	9:41	9:56	15	20	23	3	5.0
	3	9:57	10:12	15	20	23	3	5.0
	4							
	5							
#2	1	9:50	10:02	12	20	23-1/4	3-1/4	3.69
	2	9:28	9:36	8	17	21	4	2.0
	3	9:37	9:49	7	19	23	4	1.75
	4	10:03	10:15	12	20	23	3	4.0
	5							
#3	1	9:33	9:38	5	20	27-1/2	7-1/2	0.66
	2	9:42	9:45	3	20	25-1/4	5-1/4	0.57
	3	9:46	9:51	5	19	26	7	0.71
	4	9:52	9:58	6	20	27	7	0.85
	5							

Perc test done By: PETRUCELLI ENGINEERING and WCDH

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

**TEST PIT DATA REQUIRED TO BE SUBMITTED WITH APPLICATION
DESCRIPTION OF SOILS ENCOUNTERED IN TESTS HOLES**

DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. <u>3</u>	HOLE NO. _____
G.L.	TOPSOIL	TOPSOIL	5" TOPSOIL	
6"	LOAM	DK. BROWN LOAM	DK. BROWN LOAM	
12"	SILTY LOAM	↓	↓	
18"	SILTY LOAM	↓	↓	
24"	↓	↓	↓	
30"	↓	LT. BROWN LOAM	SANDY LOAM	
36"	↓	↓	↓	
42"	↓	↓	MIXED SANDS	
48"	↓	MIXED SANDS	MODERATELY	
54"	↓	MODERATELY	COMPACTED	
60"	↓	COMPACTED	↓	
66"	↓	↓	↓	
72"	↓	↓	↓	
78"	↓	↓	↓	
84"	↓	↓	↓	

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED _____ Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09

DESIGN

Soil Rate Used _____ Min/1" Drop: _____ S.D. Usable Area Provided _____

No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

Design Professional Name Rudolph C. Petruccelli, P.E. Signature _____

Address 392 Columbus Avenue SEAL _____

Valhalla, NY 10595

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
Bureau of Environmental Quality
118 N. Bedford Road
Mount Kisco, NY 10549

DESIGN DATA SHEET – SEPARATE SEWAGE SYSTEM

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Municipality TOWN OF BEDFORD
 Watershed STONE HILL RIVER NYCDEP: Joint Review Delegated

SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Presoak Date: 5/19/09 Run date: 5/20/09

HOLE #		CLOCK TIME			PERCOLATION			
Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface		Water Level Drop In Inches	Soil Rate Min./In. Drop
					Start Inches	Stop Inches		
#1	1	10:19	10:26	7	20	24	4	1.75
	2	10:26	10:33	7	20	23-1/2	3-1/2	2.0
	3	10:34	10:41	7	20	23-1/2	3-1/2	2.0
	4	10:42	10:52	10	20	23-1/2	3-1/2	2.85
	5	10:53	11:02	9	20	23	3	3.0
#2	1	10:22	10:28	6	20	24-1/2	4-1/2	1.33
	2	10:28	10:36	8	20	24	4	2.0
	3	10:37	10:44	7	20	23-1/2	3-1/2	2.0
	4	10:45	10:54	9	20	23-1/4	3-1/4	2.77
	5	10:56	11:07	11	19-3/4	23-1/4	4	2.75
#3	1	11:11	11:17	6	20	23-1/4	3-1/4	1.84
	2	11:19	11:27	8	20	23	3	2.66
	3	11:27	11:36	9	20	23	3	3.0
	4							
	5							

Perc test done By: PETRUCELLI ENGINEERING
and WCDH

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

**TEST PIT DATA REQUIRED TO BE SUBMITTED WITH APPLICATION
DESCRIPTION OF SOILS ENCOUNTERED IN TESTS HOLES**

DEPTH	HOLE NO. <u>1</u>	HOLE NO. _____	HOLE NO. _____	HOLE NO. _____
G.L.	TOPSOIL	TOPSOIL	TOPSOIL	
6"	DK. BROWN LOAM	DK. BROWN LOAM	DK. BROWN LOAM	
12"	↓	↓	↓	
18"	AT 15" LT.	LT. BROWN LOAM	LT. BROWN LOAM	
24"	BROWN LOAM	↓	↓	
30"	↓	↓	↓	
36"	MIDIUM TO	SANDY LOAM	MODERATELY	
42"	FINE SANDS	↓	COMPACTED	
48"	↓	↓	MIXED SANDS	
54"	↓	↓	↓	
60"	↓	↓	↓	
66"	↓	↓	↓	
72"	↓	↓	↓	
78"	↓	↓	↓	
84"	↓	↓	↓	

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED _____ Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09

DESIGN

Soil Rate Used _____ Min/1" Drop: _____ S.D. Usable Area Provided _____

No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

Design Professional Name Rudolph C. Petruccelli, P.E. Signature _____

Address 392 Columbus Avenue SEAL _____

Valhalla, NY 10595

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
Bureau of Environmental Quality
118 N. Bedford Road
Mount Kisco, NY 10549

DESIGN DATA SHEET – SEPARATE SEWAGE SYSTEM

WCDH FILE # _____

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Located at (street) HARRIS RD & NEW ST Sec. 60.7 Block 2 Lot 8, 8.1, 8.2 & 9
 (Indicate nearest cross St.)

Municipality TOWN OF BEDFORD
 Watershed STONE HILL RIVER NYCDEP: Joint Review Delegated

SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Presoak Date: 5/19/09 Run date: 5/20/09

HOLE #		CLOCK TIME			PERCOLATION			
Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface		Water Level Drop In Inches	Soil Rate Min./In. Drop
					Start Inches	Stop Inches		
#1	1	11:44	12:07	23	20	23	3	7.66
	2	12:08	12:31	23	20	23	3	7.66
	3	12:31	12:54	23	20	23	3	7.66
	4							
	5							
#2	1	11:46	12:00	14	20	23	3	4.66
	2	12:01	12:17	16	20	23	3	5.33
	3	12:18	12:34	16	20	23	3	5.33
	4							
	5							
#3	1	11:47	11:54	7	20	23-1/4	3-1/4	2.15
	2	11:56	12:05	9	20	23	3	3.0
	3	12:16	12:26	10	20	23	3	3.0
	4							
	5							

Perc test done By: PETRUCELLI ENGINEERING and WCDH

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

**TEST PIT DATA REQUIRED TO BE SUBMITTED WITH APPLICATION
DESCRIPTION OF SOILS ENCOUNTERED IN TESTS HOLES**

DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. <u>3</u>	HOLE NO. _____
G.L.	TOPSOIL	TOPSOIL	TOPSOIL	
6"	SANDY LOAM	DK. BROWN	LOAMY SAND	
12"	↓	↓	↓	
18"	↓	↓	↓	
24"	↓	BROWN MIXED SANDS	↓	
30"	↓	↓	↓	
36"	↓	↓	BROWN FINE	
42"	↓	↓	SANDS	
48"	BROWN MEDIUM	↓	↓	
54"	SANDS	↓	↓	
60"	↓	MEDIUM SANDS	↓	
66"	↓	↓	↓	
72"	↓	↓	↓	
78"	↓	↓	↓	
84"	↓	↓	↓	

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED _____ Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09

DESIGN

Soil Rate Used _____ Min/1" Drop: _____ S.D. Usable Area Provided _____

No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

Design Professional Name Rudolph C. Petrucci, P.E. Signature _____

Address 392 Columbus Avenue SEAL _____

Valhalla, NY 10595

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
Bureau of Environmental Quality
118 N. Bedford Road
Mount Kisco, NY 10549

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WCDH FILE # _____

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 (Indicate nearest cross St.)

Municipality TOWN OF BEDFORD
 Watershed STONE HILL RIVER NYCDEP: Joint Review Delegated

SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Presoak Date: 5/19/09 Run date: 5/20/09

HOLE #		CLOCK TIME			PERCOLATION			
Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface Start Inches	Stop Inches	Water Level Drop In Inches	Soil Rate Min./In. Drop
#1	1	1:02	1:09	7	20	23	3	2.33
	2	1:09	1:18	9	20	23	3	3.0
	3	1:19	1:28	9	20	23	3	3.0
	4							
	5							
#2	1	1:03	1:11	8	19-1/2	23-1/4	3-3/4	2.13
	2	1:11	1:21	10	20	23	3	3.33
	3	1:22	1:32	10	20	23	3	3.33
	4							
	5							
#3	1	1:04	1:29	25	20	23	3	8.33
	2	1:30	1:55	25	20	23	3	8.33
	3	1:56	2:21	25	20	23	3	8.33
	4							
	5							

Perc test done By: PETRUCELLI ENGINEERING
and WCDH

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

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DESCRIPTION OF SOILS ENCOUNTERED IN TESTS HOLES**

DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. <u>3</u>	HOLE NO. _____
G.L.	5" TOPSOIL	TOPSOIL	TOPSOIL	
6"	DK. BROWN LOAM &	↓	AT 4" DK. BROWN	
12"	SANDS	AT 15" DK. BROWN	LOOSE SANDY	
18"	AT 15" BROWN	BROWN LOAM	LOAM	
24"	SANDY LOAM	MEDIUM SANDS	↓	
30"	↓	↓	↓	
36"	SANDY LOAM	↓	↓	
42"	↓	BROWN LOAM	↓	
48"	↓	↓	DK. BROWN	
54"	↓	↓	LOOSE SANDY	
60"	↓	↓	LOAM W/ROOTS	
66"	↓	MEDIUM TO FINE	↓	
72"	↓	SANDS	↓	
78"	↓	↓	↓	
84"	↓	↓	↓	

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED _____ Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09

DESIGN

Soil Rate Used _____ Min/1" Drop: _____ S.D. Usable Area Provided _____

No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

Design Professional Name Rudolph C. Petruccelli, P.E. Signature _____

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HOLE #		CLOCK TIME			PERCOLATION			
Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface		Water Level Drop In Inches	Soil Rate Min./In. Drop
					Start Inches	Stop Inches		
#1	1	9:31	9:43	12	18	21	3	4.0
	2	9:43	9:55	12	18	21	3	4.0
	3	9:55	10:07	12	18	21	3	4.0
	4							
	5							
#2	1	9:35	9:45	10	18	21	3	3.33
	2	9:45	9:57	12	18	21	3	4.0
	3	10:02	10:12	10	18	21	3	3.33
	4							
	5							
#3	1	9:33	9:43	10	18	21	3	3.33
	2	9:44	9:55	11	18	21	3	3.66
	3	9:58	10:08	10	18	21	3	3.33
	4							
	5							

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Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
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DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. <u>3</u>	HOLE NO. _____
G.L.	TOPSOIL	TOPSOIL	TOPSOIL	
6"	DK. BROWN	SANDY LOAM	↓	
12"	LT. BROWN LOAM	↓	↓	
18"	↓	MIXED FINE SANDS	AT 15" DK. BROWN	
24"	↓	↓	LOOSE SANDY	
30"	↓	↓	LOAM	
36"	↓	↓	↓	
42"	MOTTLING AT 42"	MIXED SANDS	MOTTLING AT 42"	
48"	↓	↓	↓	
54"	↓	↓	↓	
60"	↓	↓	↓	
66"	↓	↓	↓	
72"	↓	↓	↓	
78"	↓	↓	↓	
84"	↓	↓	↓	

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED _____ Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09

DESIGN

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No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

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Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface		Water Level Drop In Inches	Soil Rate Min./In. Drop
					Start Inches	Stop Inches		
#1	1	10:17	10:27	10	20	23	3	3.33
	2	10:28	10:37	9	20	23	3	3.0
	3	10:38	10:48	10	20	23	3	3.33
	4							
	5							
#2	1	10:18	10:28	10	20	23	3	3.33
	2	10:29	10:44	15	20	23	3	5.0
	3	10:44	10:59	15	20	23	3	5.0
	4							
	5							
#3	1	10:19	10:29	10	20	23	3	3.33
	2	10:30	10:39	9	20	23	3	3.0
	3	10:40	10:50	10	20	23	3	3.33
	4							
	5							

Perc test done By: PETRUCELLI ENGINEERING
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Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
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DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. <u>3</u>	HOLE NO. _____
G.L.	TOPSOIL	TOPSOIL	TOPSOIL	
6"	AT 4" BROWN	DK. BROWN SANDY	↓	
12"	SANDY LOAM	LOAM	AT 15" DK. BROWN	
18"	↓	↓	SANDY LOAM	
24"	↓	↓	↓	
30"	MEDIUM SANDS	SANDY LOAM	↓	
36"	↓	↓	MEDIUM SANDS	
42"	↓	↓	LOOSE	
48"	↓	↓	↓	
54"	↓	↓	↓	
60"	↓	↓	↓	
66"	↓	↓	↓	
72"	↓	↓	↓	
78"	↓	↓	↓	
84"	↓	↓	↓	

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED _____ Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09

DESIGN

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HOLE #		CLOCK TIME			PERCOLATION			
Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface		Water Level Drop In Inches	Soil Rate Min./In. Drop
					Start Inches	Stop Inches		
#1	1	11:09	11:20	11	20	23	3	3.66
	2	11:21	11:31	10	20	23	3	3.33
	3	11:31	11:41	10	20	23	3	3.33
	4							
	5							
#2	1	11:12	11:22	10	18	22	4	2.5
	2	11:23	11:32	9	18	21	3	3.0
	3	11:32	11:41	9	18	21	3	3.0
	4							
	5							
#3	1	11:14	11:24	10	20	24	4	2.5
	2	11:25	11:34	9	20	23	3	3.0
	3	11:34	11:43	9	20	23	3	3.0
	4							
	5							

Perc test done By: PETRUCELLI ENGINEERING
and WCDH

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

**TEST PIT DATA REQUIRED TO BE SUBMITTED WITH APPLICATION
DESCRIPTION OF SOILS ENCOUNTERED IN TESTS HOLES**

DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. <u>3</u>	HOLE NO. _____
G.L.	TOPSOIL	TOPSOIL	TOPSOIL	
6"	BROWN GRAY	REDISH BROWN	SANDY LOAM	
12"	MIXED SANDS	LOAM	↓	
18"	↓	↓	↓	
24"	↓	BROWN LOAM	↓	
30"	↓	↓	↓	
36"	↓	GRAY MEDIUM TO	↓	
42"	↓	FINE SANDS	COARSE TO	
48"	GRAY SANDS	↓	MEDIUM SANDS	
54"	↓	SANDY LOAM	↓	
60"	↓	↓	↓	
66"	↓	↓	↓	
72"	↓	↓	↓	
78"	↓	↓	↓	
84"	↓	↓	↓	

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED _____ Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09

DESIGN

Soil Rate Used _____ Min/1" Drop: _____ S.D. Usable Area Provided _____

No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

Design Professional Name Rudolph C. Petruccelli, P.E. Signature _____

Address 392 Columbus Avenue SEAL _____

Valhalla, NY 10595

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
Bureau of Environmental Quality
118 N. Bedford Road
Mount Kisco, NY 10549

DESIGN DATA SHEET – SEPARATE SEWAGE SYSTEM

WCDH FILE # _____

Owner COSIMO TRIPI Address 8 KINGDOM RIDGE RD, BEDFORD, NY 10506

Located at (street) HARRIS RD & NEW ST Sec. 60.7 Block 2 Lot 8, 8.1, 8.2 & 9
 (Indicate nearest cross St.)

Municipality TOWN OF BEDFORD
 Watershed STONE HILL RIVER NYCDEP: Joint Review Delegated

SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Presoak Date: 5/19/09 Run date: 5/20/09

HOLE #		CLOCK TIME			PERCOLATION			
Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface		Water Level Drop In Inches	Soil Rate Min./In. Drop
					Start Inches	Stop Inches		
#1	1	9:46	10:14	28	20	23	3	9.33
	2	10:15	10:48	33	20	23	3	11
	3	10:50	11:23	33	20	23	3	11
	4							
	5							
#2	1	9:32	9:42	10	20	23	3	3.33
	2	9:44	10:04	20	20	23	3	6.66
	3	10:04	10:30	26	20	23	3	8.66
	4	10:32	10:52	20	20	23	3	6.66
	5	10:54	11:25	31	20	23	3	10.33
#3	1	9:38	10:00	22	20	23	3	3.14
	2	10:01	10:33	32	20	23	3	10.66
	3	10:34	11:04	30	20	23	3	10.0
	4							
	5							

Perc test done By: PETRUCCELLI ENGINEERING
and WCDH

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

**TEST PIT DATA REQUIRED TO BE SUBMITTED WITH APPLICATION
DESCRIPTION OF SOILS ENCOUNTERED IN TESTS HOLES**

DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. <u>3</u>	HOLE NO. _____
G.L.	TOPSOIL	4" TOPSOIL	4" TOPSOIL	
6"	BROWN SANDY LOAM	BROWN LOAM	BROWN SANDY LOAM	
12"	↓	W/ROOTS	↓	
18"	↓	↓	↓	
24"	MIX GRAY LOOSE	LOOSE SANDY	GRAY MEDIUM SANDS	
30"	SANDS	LOAM W/ COBBLES	↓	
36"	↓	↓	↓	
42"	↓	↓	↓	
48"	↓	↓	↓	
54"	↓	↓	↓	
60"	↓	↓	↓	
66"	↓	AT 66" ROCK	↓	
72"	↓		AT 72" ROCK	
78"	↓			
84"	↓			

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED _____ Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09

DESIGN

Soil Rate Used _____ Min/1" Drop: _____ S.D. Usable Area Provided _____

No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

Design Professional Name Rudolph C. Petruccelli, P.E. Signature _____

Address 392 Columbus Avenue SEAL _____

Valhalla, NY 10595

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
Bureau of Environmental Quality
118 N. Bedford Road
Mount Kisco, NY 10549

DESIGN DATA SHEET – SEPARATE SEWAGE SYSTEM

WCDH FILE # _____

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Located at (street) HARRIS RD & NEW ST Sec. 60.7 Block 2 Lot 8, 8.1, 8.2 & 9
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Municipality TOWN OF BEDFORD
 Watershed STONE HILL RIVER NYCDEP: Joint Review Delegated

SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Presoak Date: 5/19/09 Run date: 5/20/09

HOLE #	CLOCK TIME				PERCOLATION				
	Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface Start Inches	Stop Inches	Water Level Drop In Inches	Soil Rate Min./In. Drop
#1	1		11:42	11:53	11	20	23	3	3.66
	2		11:54	12:10	16	20	23	3	5.33
	3		12:11	12:35	24	20	23	3	8.0
	4		12:37	1:05	28	20	23	3	9.33
	5		1:08	1:31	23	20	23	3	7.66
#2	1		11:44	12:08	24	20	23	3	8.0
	2		12:09	12:33	24	20	23	3	8.0
	3		12:33	1:02	29	20	23	3	9.66
	4		1:03	1:30	27	20	23	3	9.0
	5								
#3	1		11:40	12:07	27	20	23	3	9.0
	2		12:09	12:35	26	20	23	3	8.66
	3		12:35	11:08	33	20	23	3	11.0
	4		1:09	1:40	31	20	23	3	10.33
	5								

Perc test done By: PETRUCELLI ENGINEERING
and WCDH

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

**TEST PIT DATA REQUIRED TO BE SUBMITTED WITH APPLICATION
DESCRIPTION OF SOILS ENCOUNTERED IN TESTS HOLES**

DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. <u>3</u>	HOLE NO. _____
G.L.	TOPSOIL	TOPSOIL	TOPSOIL	
6"	BROWN MIXED SANDS	BROWN	BROWN SANDY LOAM	
12"	↓	SANDY LOAM	↓	
18"	↓	AT 15" GRAY BROWN	↓	
24"	↓	MIXED SANDS	MIXED SANDS	
30"	BROWN GRAY	↓	↓	
36"	MIXED SANDS	↓	↓	
42"	↓	↓	↓	
48"	↓	MIXED SANDS	MEDIUM SANDS	
54"	↓	↓	MODERATELY	
60"	↓	↓	COMPACTED	
66"	↓	↓	↓	
72"	↓	↓	↓	
78"	↓	↓	↓	
84"	↓	↓	↓	

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED _____ Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09

DESIGN

Soil Rate Used _____ Min/1" Drop: _____ S.D. Usable Area Provided _____

No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

Design Professional Name Rudolph C. Petruccelli, P.E. Signature _____

Address 392 Columbus Avenue SEAL _____

Valhalla, NY 10595

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
Bureau of Environmental Quality
118 N. Bedford Road
Mount Kisco, NY 10549

DESIGN DATA SHEET – SEPARATE SEWAGE SYSTEM

WCDH FILE # _____

Owner COSIMO TRIPI Address 8 KINGDOM RIDGE RD, BEDFORD, NY 10506

Located at (street) HARRIS RD & NEW ST Sec. 60.7 Block 2 Lot 8, 8.1, 8.2 & 9
 (Indicate nearest cross St.)

Municipality TOWN OF BEDFORD
 Watershed STONE HILL RIVER NYCDEP: Joint Review Delegated

SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Presoak Date: 5/19/09 Run date: 5/20/09

HOLE #		CLOCK TIME			PERCOLATION			
Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface		Water Level Drop In Inches	Soil Rate Min./In. Drop
					Start Inches	Stop Inches		
#1	1	12:15	12:31	16	20	23	3	5.33
	2	12:32	12:48	16	20	23	3	5.33
	3	12:48	1:12	24	20	23	3	8.0
	4	1:15	1:38	23	20	23	3	7.66
	5							
#2	1	12:13	12:29	16	20	23	3	5.33
	2	12:30	12:46	16	20	23	3	5.33
	3	12:47	1:10	23	20	23	3	7.66
	4	1:13	1:36	23	20	23	3	7.66
	5							
#3	1	12:17	12:28	11	20	23	3	3.66
	2	12:29	12:45	16	20	23	3	5.33
	3	12:45	1:13	28	20	23	3	9.33
	4	1:16	1:43	27	20	23	3	9.0
	5	1:45	2:11	26	20	23	3	8.66

Perc test done By: PETRUCELLI ENGINEERING
and WCDH

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

**TEST PIT DATA REQUIRED TO BE SUBMITTED WITH APPLICATION
DESCRIPTION OF SOILS ENCOUNTERED IN TESTS HOLES**

DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. <u>3</u>	HOLE NO. _____
G.L.	TOPSOIL	3" TOPSOIL	4" TOPSOIL	
6"	COARSE MEDIUM	AT 3" BROWN	AT 4" BROWN	
12"	SANDS	COARSE SANDS	SANDY LOAM	
18"	↓	AT 12" COARSE	↓	
24"	↓	SANDS COMPACTED	↓	
30"	↓	↓	↓	
36"	↓	MEDIUM TO COARSE	MIXED SANDS	
42"	↓	SANDS	↓	
48"	↓	↓	↓	
54"	↓	↓	↓	
60"	↓	↓	↓	
66"	↓	↓	↓	
72"	↓	↓	MIXED SANDS	
78"	↓	↓	W/COBBLES	
84"	↓	↓	↓	

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED _____ Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09

DESIGN

Soil Rate Used _____ Min/1" Drop: _____ S.D. Usable Area Provided _____

No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

Design Professional Name Rudolph C. Petruccelli, P.E. Signature _____

Address 392 Columbus Avenue SEAL _____

Valhalla, NY 10595

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
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DESIGN DATA SHEET – SEPARATE SEWAGE SYSTEM

WCDH FILE # _____

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 (Indicate nearest cross St.)

Municipality TOWN OF BEDFORD
 Watershed STONE HILL RIVER NYCDEP: Joint Review Delegated

SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Presoak Date: 5/19/09 Run date: 5/20/09

HOLE #		CLOCK TIME			PERCOLATION			
Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface		Water Level Drop In Inches	Soil Rate Min./In. Drop
					Start Inches	Stop Inches		
#1	1	10:24	10:51	27	20	23	3	9.0
	2	10:52	11:22	30	20	23	3	10.0
	3	11:24	11:54	30	20	23	3	10.0
	4							
	5							
#2	1	10:26	10:41	15	20	23	3	5.0
	2	10:42	11:03	21	20	23	3	7.0
	3	11:04	11:25	21	20	23	3	7.0
	4							
	5							
	1							
	2							
	3							
	4							
	5							

Perc test done By: PETRUCCELLI ENGINEERING and WCDH

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

**TEST PIT DATA REQUIRED TO BE SUBMITTED WITH APPLICATION
DESCRIPTION OF SOILS ENCOUNTERED IN TESTS HOLES**

DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. _____	HOLE NO. _____
G.L.	TOPSOIL	TOPSOIL		
6"	BROWN LOAM	BROWN SANDY LOAM		
12"	↓	↓		
18"	↓	↓		
24"	AT 20" GRAY MIXED	GRAY MIXED		
30"	LOOSE SANDS	LOOSE SANDS		
36"	↓	↓		
42"	↓	↓		
48"	↓	↓		
54"	↓	↓		
60"	↓	↓		
66"	↓	↓		
72"	↓	↓		
78"	↓	↓		
84"	↓	↓		

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED _____ Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09

DESIGN

Soil Rate Used _____ Min/1" Drop: _____ S.D. Usable Area Provided _____

No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

Design Professional Name Rudolph C. Petruccelli, P.E. Signature _____

Address 392 Columbus Avenue SEAL _____

Valhalla, NY 10595

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
Bureau of Environmental Quality
118 N. Bedford Road
Mount Kisco, NY 10549

DESIGN DATA SHEET – SEPARATE SEWAGE SYSTEM

WCDH FILE # _____

Owner COSIMO TRIPI Address 8 KINGDOM RIDGE RD, BEDFORD, NY 10506

Located at (street) HARRIS RD & NEW ST Sec. 60.7 Block 2 Lot 8, 8.1, 8.2 & 9
 (Indicate nearest cross St.)

Municipality TOWN OF BEDFORD
 Watershed STONE HILL RIVER NYCDEP: Joint Review Delegated

SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Presoak Date: 5/19/09 Run date: 5/20/09

HOLE #		CLOCK TIME			PERCOLATION			
Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface		Water Level Drop In Inches	Soil Rate Min./In. Drop
					Start Inches	Stop Inches		
#3	1	12:01	12:11	10	20	23	3	3.33
	2	12:12	12:26	14	20	23	3	4.66
	3	12:27	12:41	14	20	23	3	4.66
	4							
	5							
#4	1	12:03	12:16	13	20	23	3	4.33
	2	12:17	12:32	15	20	23	3	5.0
	3	12:32	12:47	15	20	23	3	5.0
	4							
	5							
	1							
	2							
	3							
	4							
	5							

Perc test done By: PETRUCCELLI ENGINEERING
and WCDH

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

**TEST PIT DATA REQUIRED TO BE SUBMITTED WITH APPLICATION
DESCRIPTION OF SOILS ENCOUNTERED IN TESTS HOLES**

DEPTH	HOLE NO. <u>3</u>	HOLE NO. <u>4</u>	HOLE NO. _____	HOLE NO. _____
G.L.	TOPSOIL	TOPSOIL		
6"	DK. BROWN LOAM	DK. BROWN SANDY		
12"	↓	LOAM		
18"	↓	AT 15" BROWN LOAM		
24"	GRAY MIXED SANDS	↓		
30"	↓	GRAY MEDIUM SANDS		
36"	↓	↓		
42"	↓	↓		
48"	↓	↓		
54"	↓	↓		
60"	↓	↓		
66"	↓	↓		
72"	↓	↓		
78"	↓	↓		
84"	↓	↓		

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED _____ Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09

DESIGN

Soil Rate Used _____ Min/1" Drop: _____ S.D. Usable Area Provided _____

No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

Design Professional Name Rudolph C. Petruccelli, P.E. Signature _____

Address 392 Columbus Avenue SEAL _____

Valhalla, NY 10595

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
Bureau of Environmental Quality
118 N. Bedford Road
Mount Kisco, NY 10549

DESIGN DATA SHEET – SEPARATE SEWAGE SYSTEM

WCDH FILE # _____

Owner COSIMO TRIPI Address 8 KINGDOM RIDGE RD, BEDFORD, NY 10506

Located at (street) HARRIS RD & NEW ST Sec. 60.7 Block 2 Lot 8, 8.1, 8.2 & 9
 (Indicate nearest cross St.)

Municipality TOWN OF BEDFORD
 Watershed STONE HILL RIVER NYCDEP: Joint Review Delegated

SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Presoak Date: 5/19/09 Run date: 5/20/09

HOLE #		CLOCK TIME			PERCOLATION			
Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface		Water Level Drop In Inches	Soil Rate Min./In. Drop
					Start Inches	Stop Inches		
#1	1	9:34	9:52	18	19-1/2	22-1/2	3	6.0
	2	9:53	10:21	28	20	23	3	9.33
	3	10:22	10:50	28	20	23	3	9.33
	4							
	5							
#2	1	9:36	9:44	8	19-3/4	22-3/4	3	2.66
	2	9:44	9:54	10	20	23	3	3.33
	3	9:54	10:04	10	20	23	3	3.33
	4							
	5							
	1							
	2							
	3							
	4							
	5							

Perc test done By: PETRUCCELLI ENGINEERING
and WCDH

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

**TEST PIT DATA REQUIRED TO BE SUBMITTED WITH APPLICATION
DESCRIPTION OF SOILS ENCOUNTERED IN TESTS HOLES**

DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. _____	HOLE NO. _____
G.L.	TOPSOIL	TOPSOIL		
6"	SANDY LOAM	SANDY LOAM		
12"	↓	↓		
18"	↓	↓		
24"	↓	↓		
30"	↓	↓		
36"	↓	↓		
42"	↓	↓		
48"	↓	↓		
54"	↓	↓		
60"	↓	↓		
66"	AT 64" ROCK			
72"		AT 69" ROCK		
78"		↓		
84"				

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED _____ Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09

DESIGN

Soil Rate Used _____ Min/1" Drop: _____ S.D. Usable Area Provided _____

No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

Design Professional Name Rudolph C. Petruccelli, P.E. Signature _____

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DESIGN DATA SHEET – SEPARATE SEWAGE SYSTEM

WCDH FILE # _____

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 (Indicate nearest cross St.)

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 Watershed STONE HILL RIVER NYCDEP: Joint Review Delegated

SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Presoak Date: 5/19/09 Run date: 5/20/09

HOLE #		CLOCK TIME			PERCOLATION			
Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface		Water Level Drop In Inches	Soil Rate Min./In. Drop
					Start Inches	Stop Inches		
#3	1	12:49	1:19	30	23	24	1	30
	2	1:19	1:49	30	20	21	1	30
	3	1:50	2:20	30	20	21	1	30
	4							
	5							
#4	1	12:51	1:07	16	20	23	3	5.33
	2	1:08	1:26	18	20	23	3	6.0
	3	1:28	1:46	20	20	23	3	6.66
	4							
	5							
	1							
	2							
	3							
	4							
	5							

Perc test done By: PETRUCCELLI ENGINEERING
and WCDH

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

**TEST PIT DATA REQUIRED TO BE SUBMITTED WITH APPLICATION
DESCRIPTION OF SOILS ENCOUNTERED IN TESTS HOLES**

DEPTH	HOLE NO. <u>3</u>	HOLE NO. <u>4</u>	HOLE NO. _____	HOLE NO. _____
G.L.	TOPSOIL	TOPSOIL		
6"	BROWN SANDY LOAM	BROWN SANDY LOAM		
12"	↓	↓		
18"	↓	↓		
24"	COARSE TO MEDIUM	↓		
30"	SANDS	↓		
36"	↓	↓		
42"	↓	AT 40" MOTTLING		
48"	AT 48" WATER	MIXED GRAY SANDS		
54"	↓	↓		
60"	↓	↓		
66"	↓	↓		
72"	AT 72" ROCK	↓		
78"		↓		
84"		↓		

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED 48" Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09

DESIGN

Soil Rate Used _____ Min/1" Drop: _____ S.D. Usable Area Provided _____

No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

Design Professional Name Rudolph C. Petrucci, P.E. Signature _____

Address 392 Columbus Avenue SEAL _____

Valhalla, NY 10595

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
Bureau of Environmental Quality
118 N. Bedford Road
Mount Kisco, NY 10549

DESIGN DATA SHEET – SEPARATE SEWAGE SYSTEM

WCDH FILE # _____

Owner COSIMO TRIPI Address 8 KINGDOM RIDGE RD, BEDFORD, NY 10506

Located at (street) HARRIS RD & NEW ST Sec. 60.7 Block 2 Lot 8, 8.1, 8.2 & 9
 (Indicate nearest cross St.)

Municipality TOWN OF BEDFORD
 Watershed STONE HILL RIVER NYCDEP: Joint Review Delegated

SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Presoak Date: 5/19/09 Run date: 5/20/09

HOLE #	CLOCK TIME				PERCOLATION				
	Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface Start Inches	Stop Inches	Water Level Drop In Inches	Soil Rate Min./In. Drop
#1	1	1	1:57	2:01	4	17-3/4	20-3/4	3	1.33
	2	2	2:01	2:08	7	20	23	3	2.33
	3	3	2:09	2:18	9	20	23	3	3.0
	4								
	5								
#2	1	1	11:56	12:01	5	20	23-1/4	3-1/4	1.53
	2	2	12:08	12:18	10	20	23	3	3.33
	3	3	12:19	12:27	9	20	23	3	3.0
	4	4	1:56	2:05	9	20	23	3	3.0
	5								
#3	1	1	11:57	12:41	44	20	23	3	14.66
	2	2	12:48	1:52	64	20	23	3	21.33
	3	3	1:53	2:34	41	19-3/4	21-3/4	2	20.5
	4								
	5								

Perc test done By: PETRUCELLI ENGINEERING
and WCDH

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

**TEST PIT DATA REQUIRED TO BE SUBMITTED WITH APPLICATION
DESCRIPTION OF SOILS ENCOUNTERED IN TESTS HOLES**

DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. <u>3</u>	HOLE NO. _____
G.L.	TOPSOIL	TOPSOIL	TOPSOIL	
6"	LOAM	DK BROWN LOAM	BROWN SANDY	
12"	AT 10" REDISH	AT 12" BROWN LOAM	CLAY LOAM	
18"	BROWN LOAM	↓	↓	
24"	AT 24" FINE SANDS	↓	↓	
30"	↓	MIXED GRAY SANDS	↓	
36"	GRAY MIXED SANDS	↓	↓	
42"	↓	↓	↓	
48"	↓	↓	AT 45" WATER	
54"	↓	↓	↓	
60"	↓	↓	↓	
66"	↓	AT 63" WATER	↓	
72"	↓	↓	↓	
78"	↓	↓	↓	
84"	AT 84" WATER	↓	↓	

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED 45" Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09

DESIGN

Soil Rate Used _____ Min/1" Drop: _____ S.D. Usable Area Provided _____

No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

Design Professional Name Rudolph C. Petruccelli, P.E. Signature _____

Address 392 Columbus Avenue SEAL _____

Valhalla, NY 10595

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
Bureau of Environmental Quality
118 N. Bedford Road
Mount Kisco, NY 10549

DESIGN DATA SHEET – SEPARATE SEWAGE SYSTEM

WCDH FILE # _____

Owner COSIMO TRIPI Address 8 KINGDOM RIDGE RD, BEDFORD, NY 10506

Located at (street) HARRIS RD & NEW ST Sec. 60.7 Block 2 Lot 8, 8.1, 8.2 & 9
 (Indicate nearest cross St.)

Municipality TOWN OF BEDFORD
 Watershed STONE HILL RIVER NYCDEP: Joint Review Delegated

SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Presoak Date: 5/19/09 Run date: 5/20/09

HOLE #		CLOCK TIME			PERCOLATION			
Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface		Water Level Drop In Inches	Soil Rate Min./In. Drop
					Start Inches	Stop Inches		
#1	1	11:24	11:31	7	20	23	3	2.33
	2	11:32	11:41	9	20	23	3	3.0
	3	11:41	11:51	10	20	23	3	3.33
	4							
	5							
#2	1	11:26	11:42	16	20	23	3	5.33
	2	11:44	12:01	17	20	23	3	5.66
	3	12:03	12:23	20	20	23	3	6.66
	4	12:25	12:44	19	20	23	3	6.33
	5							
#3	1	11:27	11:42	15	20	23	3	5.0
	2	11:43	12:01	18	20	23	3	6.0
	3	12:03	12:30	27	20	23	3	9.0
	4	12:41	1:06	25	20	23	3	8.33
	5							

Perc test done By: PETRUCELLI ENGINEERING
and WCDH

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

**TEST PIT DATA REQUIRED TO BE SUBMITTED WITH APPLICATION
DESCRIPTION OF SOILS ENCOUNTERED IN TESTS HOLES**

DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. <u>3</u>	HOLE NO. _____
G.L.	TOPSOIL	TOPSOIL	TOPSOIL	
6"	LOAM	BROWN SANDY LOAM	DK. BROWN LOAM	
12"	BROWN SANDY	↓	↓	
18"	CLAY LOAM	↓	AT 15" BROWN LOAM	
24"	↓	↓	↓	
30"	↓	GRAY MIXED SANDS	↓	
36"	LOOSE GRAY MIXED	LOOSE	↓	
42"	SANDS	↓	↓	
48"	↓	↓	↓	
54"	↓	↓	↓	
60"	↓	↓	↓	
66"	↓	↓	↓	
72"	↓	↓	↓	
78"	↓	↓	↓	
84"	AT 80" ROCK	↓	↓	

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED _____ Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09 & 5/19/09

DESIGN

Soil Rate Used _____ Min/1" Drop: _____ S.D. Usable Area Provided _____

No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

Design Professional Name Rudolph C. Petruccelli, P.E. Signature _____

Address 392 Columbus Avenue SEAL _____

Valhalla, NY 10595

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
Bureau of Environmental Quality
118 N. Bedford Road
Mount Kisco, NY 10549

DESIGN DATA SHEET – SEPARATE SEWAGE SYSTEM

WCDH FILE # _____

Owner COSIMO TRIPI Address 8 KINGDOM RIDGE RD, BEDFORD, NY 10506

Located at (street) HARRIS RD & NEW ST Sec. 60.7 Block 2 Lot 8, 8.1, 8.2 & 9
 (Indicate nearest cross St.)

Municipality TOWN OF BEDFORD
 Watershed STONE HILL RIVER NYCDEP: Joint Review Delegated

SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Presoak Date: 5/19/09 Run date: 5/20/09

HOLE #		CLOCK TIME			PERCOLATION			
Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface		Water Level Drop In Inches	Soil Rate Min./In. Drop
					Start Inches	Stop Inches		
#1	1	10:35	10:40	5	20	23	3	1.66
	2	10:41	10:47	6	20	23	3	2.0
	3	10:47	10:54	7	20	23	3	2.33
	4	10:55	11:03	8	20	23	3	2.66
	5	11:04	11:14	10	20	23	3	3.33
#2	1	10:37	11:09	32	20	23	3	10.66
	2	11:09	11:46	37	20	23	3	12.33
	3	11:47	12:26	39	20	23	3	13
	4							
	5							
#3	1	10:39	10:51	12	20	23	3	4.0
	2	10:51	11:05	14	20	23	3	4.66
	3	11:06	11:21	15	20	23	3	5.0
	4							
	5							

Perc test done By: PETRUCELLI ENGINEERING
and WCDH

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

**TEST PIT DATA REQUIRED TO BE SUBMITTED WITH APPLICATION
DESCRIPTION OF SOILS ENCOUNTERED IN TESTS HOLES**

DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. <u>3</u>	HOLE NO. _____
G.L.	TOPSOIL	8" TOPSOIL	TOPSOIL	
6"	DK. BROWN LOAM	SANDY LOAM	DK. BROWN LOAM	
12"	AT 10" BROWN	↓	↓	
18"	SANDY LOAM	↓	↓	
24"	↓	↓	BROWN LOAM	
30"	↓	↓	↓	
36"	↓	↓	↓	
42"	↓	AT 40" MIXED SANDS	↓	
48"	↓	LOOSE	↓	
54"	↓	↓	↓	
60"	MIXED SANDS	↓	↓	
66"	↓	↓	↓	
72"	↓	↓	↓	
78"	↓	↓	↓	
84"	↓	↓	↓	

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED _____ Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCCELLI ENGINEERING DATE OF DEEP TESTS 5/19/09

DESIGN

Soil Rate Used _____ Min/1" Drop: _____ S.D. Usable Area Provided _____

No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

Design Professional Name Rudolph C. Petruccelli, P.E. Signature _____

Address 392 Columbus Avenue SEAL _____

Valhalla, NY 10595

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
Bureau of Environmental Quality
118 N. Bedford Road
Mount Kisco, NY 10549

DESIGN DATA SHEET – SEPARATE SEWAGE SYSTEM

WCDH FILE # _____

Owner COSIMO TRIPI Address 8 KINGDOM RIDGE RD, BEDFORD, NY 10506

Located at (street) HARRIS RD & NEW ST Sec. 60.7 Block 2 Lot 8, 8.1, 8.2 & 9
 (Indicate nearest cross St.)

Municipality TOWN OF BEDFORD
 Watershed STONE HILL RIVER NYCDEP: Joint Review Delegated

SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Presoak Date: 5/19/09 Run date: 5/20/09

HOLE #		CLOCK TIME			PERCOLATION			
Hole Number	Run No.	Start	Stop	Elapse Time Min.	Depth of Water From Ground Surface		Water Level Drop In Inches	Soil Rate Min./In. Drop
					Start Inches	Stop Inches		
#1	1	9:38	9:51	13	20	23	3	4.33
	2	9:52	10:09	17	20	23	3	5.66
	3	10:10	10:27	17	20	23	3	5.66
	4							
	5							
#2	1	9:40	9:52	12	20	23-1/2	3-1/2	3.42
	2	9:53	10:06	13	20	23-1/2	3-1/2	3.71
	3	10:07	10:20	13	20	23	3	4.33
	4	10:21	10:34	13	20	23	3	4.33
	5							
#3	1	9:41	9:54	13	20	23	3	4.33
	2	9:55	10:12	17	20	23	3	5.66
	3	10:13	10:31	18	20	23	3	6.0
	4							
	5							

Perc test done By: PETRUCELLI ENGINEERING
and WCDH

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

**TEST PIT DATA REQUIRED TO BE SUBMITTED WITH APPLICATION
DESCRIPTION OF SOILS ENCOUNTERED IN TESTS HOLES**

DEPTH	HOLE NO. <u>1</u>	HOLE NO. <u>2</u>	HOLE NO. <u>3</u>	HOLE NO. _____
G.L.	TOPSOIL	TOPSOIL	TOPSOIL	
6"	DK. BROWN LOAM	BROWN LOAM	BROWN LOAM	
12"	AT 10" BROWN	↓	↓	
18"	SANDY LOAM	↓	↓	
24"		GRAY MIXED SANDS	↓	
30"	↓	↓	GRAY MIXED SANDS	
36"	↓	↓	↓	
42"	↓	↓	↓	
48"	↓	↓	↓	
54"	↓	↓	↓	
60"	BOWN SANDY LOAM	↓	↓	
66"	↓	↓	↓	
72"	↓	↓	↓	
78"	↓	↓	↓	
84"	↓	↓	↓	

WAS GROUNDWATER ENCOUNTERED? YES/NO

INDICATED LEVEL AT WHICH GROUNDWATER IS ENCOUNTERED _____ Ft. / In.

INDICATE LEVEL FOR WHICH WATER LEVEL RISES AFTER BEING ENCOUNTERED _____ Ft. / In.

DEEP TESTS MADE BY PETRUCCELLI ENGINEERING DATE OF DEEP TESTS 5/12/09

DESIGN

Soil Rate Used _____ Min/1" Drop: _____ S.D. Usable Area Provided _____

No. of Bedrooms _____ Septic Tank Capacity _____ Gals. Masonry _____ Metal _____

Absorption Area Prov. by _____ L.F. x 24" _____ width trench Other _____

Design Professional Name Rudolph C. Petruccelli, P.E. Signature _____

Address 392 Columbus Avenue SEAL _____

Valhalla, NY 10595