

MATTHEW & HOCKLEY ASSOCIATES, LTD.
ENGINEERING - SURVEYING
340 SOUTH EIGHTH STREET
LEBANON, PA 17042

RICHARD G. HOCKLEY
 (1947 - 1969)
GARY T. MATTHEW, R.S.
R.J. GEARHART, JR., R.S.
DAREK POTTER, P.E.
R. SCOTT CARPENTER, S.E.O.

AREA CODE 717
 272-3028
 FAX 1-717-274-3362

**PERCOLATION TEST REPORT FOR
 ON - LOT DISPOSAL OF SEWAGE**

APPLICANT : Cody Gosch MUNICIPALITY W. Cornwall Twp. Lebanon County
 Site Location : W/S State Route #72, S. of Zinns Mill Road
 Subdivision Name #34-2337786-351764

SUITABLE

Soil Type : Hagerstown
 3 to 5 % Slope
 Depth To Limiting Zone 28" OJR
 Ave. Perc. Rate 16.46 min./inch

UNSUITABLE

Mottling
 Bedrock

Fractures
 Perc. Rate
 Coarse Fragments

Slope
 Unstabilized Fill
 Floodplain

Seeps or Poned Water
 Other

SOIL DESCRIPTION:

Soil description completed by R. Scott Carpenter
Please see attached sheets

PERCOLATION TEST FOR PRIMARY ABSORPTION AREA

Firm: Matthew & Hockley Associates

Date: 10/2/2020

Test completed by: R. Scott Carpenter

I verify that the percolation test readings are true and correct to the best of my knowledge, information and belief. I understand that false statement are made subject to the penalties of 18 PA C.S.A. 4904 relating to unsworn falsification to authorities.

(S) 

Weather Conditions: Below 40°F 40°F or above Dry Rain, Sleet, Snow (last 24 hrs.)

Soil Conditions: Wet Dry Frozen

W.R.	Hole	Presoak Reading 1	Presoak Reading 1	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
0"	1	4 3/8	3 1/4	30	3 1/8	3	3	3				
0"	2	6+	6+	10	6	5 7/8	5 3/4	5 3/4	5 5/8			
0"	3	2 3/4	2 1/2	30	2 3/8	2 1/2	2 3/8	2 3/8				
2"	4	3/4	1/2	30	1/2	5/8	5/8	1/2				
0"	5	5 3/4	2 7/8	30	2 5/8	2 1/2	2 3/8	2 3/8				
0"	6	6+	6+	10	6+	6	5 7/8	5 7/8	5 7/8			

Calculation of Average Percolation Rate:

Hole No.	Drop during final period	Perc Rate as Minutes/Inch	Depth of Holes
1	3	10.00	20"
2	5 5/8 10	1.78 10	20"
3	2 3/8	12.63	20"
4	1/2	60.00	20"
5	2 3/8	12.63	20"
6	5 7/8 10	1.70	20"
TOTAL OF MIN/INCH		98.74	= 16.46 min/inch
TOTAL NO. OF HOLES		6	

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision or verified in a manner approved by the Department.

PROBE PERC TEST

(S) _____
 Sewage Enforcement Officer

SYSTEM TYPE: ELEVATED PRESSURE DOSE SAND MOUND

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 Site Location : W/S State Route #72, S. of Zinns Mill Road
 Subdivision Name #34-2337786-351764

<input checked="" type="checkbox"/> SUITABLE	<input type="checkbox"/> UNSUITABLE	<input type="checkbox"/> Fractures	<input type="checkbox"/> Slope	<input type="checkbox"/> Seeps or Poned Water
Soil Type : Hagerstown	<input type="checkbox"/> Mottling	<input type="checkbox"/> Perc. Rate	<input type="checkbox"/> Unstabilized Fill	<input type="checkbox"/> Other
3 to 5 % Slope	<input type="checkbox"/> Bedrock	<input type="checkbox"/> Coarse Fragments	<input type="checkbox"/> Floodplain	
Depth To Limiting Zone 28" OJR				
Ave. Perc. Rate 5.02 min./inch				

SOIL DESCRIPTION:

Soil description completed by R. Scott Carpenter
Please see attached sheets

PERCOLATION TEST FOR REPLACEMENT ABSORPTION AREA

Firm: Matthew & Hockley Associates
 Date: 10/2/2020

Test completed by: R. Scott Carpenter

I verify that the percolation test readings are true and correct to the best of my knowledge, information and belief. I understand that false statement are made subject to the penalties of 18 PA C.S.A. 4904 relating to unsworn falsification to authorities.

(S) 

Weather Conditions: Below 40°F 40°F or above Dry Rain, Sleet, Snow (last 24 hrs.)

Soil Conditions: Wet Dry Frozen

W.R.	Hole	Presoak Reading 1	Presoak Reading 1	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
0"	1	6+	6+	10	2 3/4	2 5/8	2 5/8	2 5/8				
0"	2	4 3/8	3 1/4	30	2 1/2	2 5/8	2 3/8	2 3/8				
0"	3	6+	6+	10	6+	6	5 7/8	5 7/8	5 7/8			
0"	4	6+	6+	10	5 1/8	4 1/2	4 3/8	4 3/8	4 3/8			
0"	5	6+	6+	10	2 3/8	2 1/4	2 3/8	2 3/8				
0"	6	5 3/4	5 3/4	30	5 3/4	5 5/8	5 1/2	5 1/2				

Calculation of Average Percolation Rate:

Hole No.	Drop during final period	Perc Rate as Minutes/Inch	Depth of Holes
1	2 5/8 10	3.81 10	20"
2	2 3/8	12.63	20"
3	5 7/8 10	1.70 10	20"
4	4 3/8 10	2.29 10	20"
5	2 3/8 10	4.21 10	20"
6	5 1/2	5.45	20
TOTAL OF MIN/INCH		30.09	= 5.02min/inch
TOTAL NO. OF HOLES		6	

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision or verified in a manner approved by the Department.
 PROBE PERC TEST

(S) _____
 Sewage Enforcement Officer

SYSTEM TYPE: ELEVATED PRESSURE DOSE SAND MOUND