

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application N	No Municipality Plainfield Township County Northampton										
Site Location	Lot 10	- Test	Pit # 350_			8	Subdivisio	n Name <u>Est</u>	ates at Col	ony Park	
SUITABL								ne 20 inches			
☐ UNSUITA	ABLE		-								
		Per	c. Rate	☐ Slope	Unstab	ilized Fill	☐ Floor	dplain 🔲 O	ther		
SOILS DESC	CRIPTIC	ON:									
Soils Descrip	otion Co	mplete	d by: BEC	S, Inc., Col	in M. Brand	I, P.G., P.S	S.S., S.E.C). D	ate: Septer	nber 22, 20	05
Inches	3					Descrip	otion of H	orizon			
O TO	8_0	-	Ap 10YF	R4/3 channe	ry silt loam	, friable, w	eak subar	ngular blocky	structure		
8 TO	20	_	Bw1 10\	/R5/6 very o	hannery si	It loam, fria	ble, weak	subangular	blocky stru	cture	
	36	_	Bw2/Cr	10YR5/4 vry	chnnry sill	t loam/char	nners, ver	y friable, we	ak subangu	ılar blocky	structure
то	TO Limiting Zone - 20 inches open volds										
то	то										
то	TO Confirming Test Pit #351 - 30 inches open voids										
PERCOLAT	ION TE	ST:									
Percolation *										ber 10, 20	05
Weather Co						e 🗌 Dry	⊠ Ra	in, Sleet, Sn	ow (last 24	hours)	
Soil Conditio	ns:	\times	Wet _	Dry	Frozen						
	-	.		Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
Hole No.	Yes	No	Reading Interval	No. 1: Inches of drop	No. 2: Inches of dros	No. 3: Inches of drop	No. 4: Inches of dro	No. 5: op Inches of drop	No. 6: inches of drop	No. 7 inches of drop	No. 8: Inches of drop
1		×	10/30	5.125	4.25	4	3.25	3.25	2.875	2,875	2.75
2		×	10/30	1.125	1	1	.875				
3		х	10/30	1,5	1.375	1.375	1.25				
4		х	10/30	4.75	3.625	3.75	3.375	3,5	3.375	3.375	
5		×	10/30	3.5	2.5	2.375	2.125	2.125	2.125		
6		×	10/30	6+	4.875	4,875	4.625	3.75	3.5	3.5	3.375
***Water remail	ning in the	e hole at	the end of the	he final 30-min	ute presoak?	Yes, use 30-	minute inter	val; No, use 10	-minute interv	ral.	
(Calculat	ion of	Average	Percolation							
Hala Na		during		rc. Rate as		pth					
Hole No.	2.75	period	" 3.6	inutes/Inch	12	lole .					
2	.875			1	12						
2			8		12						
3	1.25				12						
4	3.375					— .		he informat			
5	2.125						in n	orrect result erformed un			
<u>p</u>	3.375		3.0		12	_		r verified in a			
TOTAL OF				7	= 5.62			()	1	1.0	0
TOTAL NO.	OF HO	LES→	6		-		(\$	Se	rage Enforce	ment Officer	

☐ Yellow - Applicant

☐ Pink - Local DEP Office



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SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

Application Notes and Site Location SUITABL UNSUITA	n <u>Bende</u> .E	Soil Ty	rch Road pe Wk tling	Test Pit #6	602 % Ponded Wa	Depth to Li	Subdivision miting Zon edrock [Name <u>Est</u> e <u>16</u> Fracture:	ates at Col Ave. P s ⊠ C	ony Park erc. Rate _ coarse Fraç	gments
SOILS DESC			d by BEC	'S Inc. lose	anh W Corr	no MS I	222	n	ate: Februs	ny 17 200	6
Inches		ompiete	u uy. <u>DEC</u>	75 IIIC., 305t	apii vv Corc		tion of Ho		ate. <u>repru</u> e	IIY 17. 200	
0 TO			Ap 10	YR4/3 grav	ellv silt loan				ucture		
				YR5/4 ven							
+18 TO		_	Cr (extremely ch	nannery ope	en voids					
то	o	_	Limiting	Zone - 18 ir	nches open	voids					
то											
то	o										
PERCOLAT Percolation Weather Co Soil Condition	Test Co	omplete	Below 40	0°F □ 40	°F or above						
			P	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
Hole No.	Yes	No	Reading Interval	No. 1: Inches of drop	No. 2: Inches of drop	No. 3: Inches of drop	No. 4: Inches of drop	No. 5: Inches of drop	No. 6: Inches of drop	No. 7 Inches of drop	No. 8: Inches of drop
			10/30								
			10/30								
			10/30								
			10/30								
			10/30								
			10/30								
***Water remai						Yes, use 30-	minute interv	al; No, use 10)-minute interv	ral.	
(Calcula	tion of	Average	Percolation	Rate:						
Hole No.		p during al period		erc. Rate as inutes/Inch	of H						
TOTAL OF I	MIN / IN	۱ →				M In	in pe	rrect result	ion provide t of tests nder my pe a manner a	conducted ersonal sup	by me, pervision,
TOTAL NO.	OF HO	LES→	_		-		(\$	Sy	wage Enforce	ment Officer	
☐ White - I	Local A	gency			☐ Yello	w - Applica	ant		☐ Pink	- Local Di	EP Office



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SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

Application											
Site Locatio											
SUITAB											
UNSUIT	ABLE		-								
		☐ Per	c. Rate	☐ Slope	Unstab	oilized Fill	☐ Flood	plain 🔲 C	ther		
SOILS DES Soils Descri			d by: BEG	CS Inc., Jos	eph W Cor	ona, M.S.,	P.S.S.	D	ate: Februa	ary 17, 200	6
Inche	s					Descrip	otion of He	orizon			
0 T	0_7		<u>Ap 10</u>	YR4/3 grav	elly silt loar	m, very fria	ble, weak	granular str	ucture		
	0_16	3	Bw 10	YR5/4 cha	nnery silt k	oam, friable	e, weak sul	bangular ble	ocky structi	ure	
+16 T	o	_	Cr	extremely ch	nannery op	en voids					
т	D Limiting Zone - 16 inches open voids										
т	o	_									
	o	_									
PERCOLAT	ION TE	ST:									
Percolation											
Weather Co Soil Condition		s:	Below 40 Wet)°F)°F or abov Frozen	e 🗌 Dry	Rai	n, Sleet, Sn	now (last 24	hours)	
		•••	Reading	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7	Reading No. 8:
Hole No.	Yes	No	Interval	Inches of drop	Inches of drop				Inches of drop		
			10/30								
			10/30								
			10/30								
			10/30								
			10/30								
			10/30								
***Water rema	-					Yes, use 30-	minute interv	al; No, use 10	-minute Inter	val.	
	Calcula	tion of	Average	Percolation	Rate:						
Hole No.		p during al period		rc. Rate as inutes/Inch		pth Iole					
					-						
			_		_						
					_		76	a informat	ion neodalita	ad in the	terro and
						^	co		ion provide t of tests		
						, M	in pe	rformed un	der my pe	ersonal sup	pervision,
TOTAL OF	MIN / IN	۷ →			=		or	verified in a	a manner a	pproved by	DEP.
TOTAL NO.		-	_				(8		wage Enforce	Ment Officer	_
☐ White -	Local A	gency			☐ Yello	ow - Applica	ant		☐ Pink	- Local D	EP Office



BRAND ENVIRONMENTAL CONSULTING SERVICES, INC.

1401 West Pennsylvania Street Allentown, PA 18102-1036 tel: 610 · 434 · 3451 fax: 610 · 434 · 7025 email: brandenv@ptd.net

February 20, 2006

Mr. Steven Goffredo LAM Contractors, Inc. 125 Borovu Drive Northampton, PA 18067 RE: Soil Morphology Report Test Pits 601 & 602 Estates at Colony Park Plainfield Township Northampton County BECS Project 584

Dear Mr. Goffredo:

BRAND ENVIRONMENTAL CONSULTING SERVICES, INC. (BECS) has completed a soil morphological evaluation at the above-referenced property to determine the general suitability for a Peat Option 1 At-Grade Bed System. The evaluation of soil profiles was witnessed by Mr. Christopher Noll, Sewage Enforcement Officer, Plainfield Township, Northampton County.

The site evaluation was conducted on February 17, 2006. Our office evaluated two (2) test pits, TP 601 and TP 602, in the proposed system area. Based on our observations the soil is best characterized as the Weikert Series. The Weikert Series is a shallow soil that forms in Pre-Wisconsin glacial till and frost-churned material derived from shale, siltstone and sandstone. The drainage classification for the Weikert Series is well-drained. Slope within the proposed Peat Option 1 At-Grade Bed System was estimated, using a clinometer, to be ten to twelve percent (10-12%).

The soil probes (Test Pits 601-602) evaluated in the area proposed for Peat Option 1 At-Grade Bed System met the Department of Environmental Protection's criteria for the alternate system. However, a septic permit is not guaranteed until a septic design is completed that indicates that all Local and State requirements can be met.

Based upon the soil morphologic conditions observed and Appendix 5 of the Department of Environmental Protection Alternate System Guidance, the appropriate infiltration loading rate of zero point six-six (0.66) gallons per square foot per day should be adequate for this site. An atgrade bed with a dimension of fifteen (15) feet by sixty (60) feet is adequate for a four (4) bedroom dwelling based on the hydraulic loading rate.

The at-grade bed must be installed on contour. The ground surface must be chisel plowed to a depth of eight (8) inches on contour

immediately prior to construction of the bed. A drainage swale must be constructed to divert stormwater away from the absorption area.

If you have any questions on this or need additional information, please contact the undersigned.

Respectfully,

Brand Environmental Consulting Services, Inc.

les av Ch

Joseph W. Corona, P.S.S., M.S. Professional Soil Scientist

Enclosures



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SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

Application											
Site Locatio	n <u>Lot 1</u>	0 Test	Pit #600				Subdivisio	n Name Est	tates at Col	ony Park	
SUITABL	.E	Soil Ty	pe Wk	Slope _	%	Depth to L	imiting Zo	ne <u>16</u>	Ave. F	erc. Rate_	
☐ UNSUIT.											
				☐ Slope							
SOILS DES Soils Descri			d by: BEO	CS Inc. Jose	enh W Con	ona M.S.	PSS		ate: Februs	ary 17 200	6
Inche		ompioto	0 v). <u>v.</u>	30 1110., 000.	opii II ooi		ption of H		ato. <u>I obita</u>	ary 17, 200	
O TO	O8		Ap 10	YR4/3_grav	elly silt loar				ucture		
8 TO	016	3	Bw 10	YR5/4 cha	nnery silt lo	oam, friable	, weak su	bangular bl	ocky struct	ure	
+16 To	o	_	Cr	extremely ch	nannery op	en voids					
то	0			Zone - 16 in							
то											
то											
	_										
PERCOLAT Percolation			d by:					D	ate:		
Weather Co		s: 🗆	Below 40)°F	°F or abov	e Dry	Rai	n, Sleet, Sn	ow (last 24	hours)	
Soil Condition	ns:		Wet [Dry	Frozen					,	
		***	D	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
Hole No.	Yes	l No	Reading Interval	No. 1: Inches of drop	No. 2: Inches of dros	No. 3: Inches of dros	No. 4: Inches of dro	No. 5: inches of drop	No. 6: Inches of drop	No. 7 Inches of drop	No. 8: loches of drop
			10/30								and the diagram
			10/30								
			10/30								
			10/30								
			10/30								
			10/30								
***Water remal	ning in th	e hole at	the end of th	ne final 30-min	ute presoak?	Yes, use 30-	minute interv	ral; No, use 10	-minute Interv	al.	
C	Calcula	tion of	Average	Percolation	Rate:						
		p during		rc. Rate as	De						
Hole No.	fina	l period	Mi	nutes/Inch	of H	łole					
	_		_		_						
	_										
	_				_						
	_		_				l Th	e informati	ion provide	d is the	true and
			_		_		I 00	rrect result			
						- M	n pe	rformed un	der my pe	rsonal sup	pervision,
TOTAL OF N	MIN / IN	1→			=		or	verified in a	manner a	pproyed by	DEP.
TOTAL NO.							s	· and	10	1 (sel	
TOTAL NO.	5. 110	220 /					1		wage Enforce	ment Officer	
☐ White - L	ocal A	gency			☐ Yello	w - Applica	ant		☐ Pink	- Local Di	EP Office



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SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

					Municipality Plainfield Township County Northampton							
Site Locat	ion Lot 10) Test F	Pit #601		Subdivision Name Estates at Colony Park Medium Park Med							
		-					_					
UNSU	TABLE			Seeps or I							and the same of th	
		☐ Per	c. Rate	☐ Slope	Unstab	ilized Fill	☐ Flood	plain 🔲 C	ther			
SOILS DE			d by: BE0	CS Inc., Jos	eph W Con	ona. M.S.,	P.S.S.	D	ate: Februa	ery 17, 200	6	
Inch	-	,	,				ption of Ho			,		
_ 0		_	Ap 10	YR4/3 grav	elly silt loar				ucture			
	TO16	3	Bw 10	YR5/4 cha	nnery silt lo	oam, friable	e, weak sub	angular bl	ocky struct	ure		
+16	то	_	Cr	extremely ch	nannery op	en voids						
	то	_	Limiting	Zone - 16 i	nches oper	ı voids						
	то											
	то	_										
PERCOLA												
				WF 046								
Weather C Soil Condi		s: 🗀	Wet)°F	Frozen	е 🔲 Бгу	_ ∟ Kair	n, Sieet, Sn	iow (last 24	nours)		
			Reading	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7	Reading No. 8:	
Hole No.	Yes	No	Interval	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	inches of drop	inches of drop	Inches of drop	
	+		10/30					_				
	_		10/30									
	+		10/30								_	
	+		10/30								_	
	_	-	10/30							_	_	
***Water rem	aining in th	e hole at	10 / 30 the end of t	he final 30-min	ute presoak?	Yes, use 30-	minute interv	al; No, use 10	-minute interv	/al.		
	_			Percolation								
Hole No.		p during		rc. Rate as inutes/Inch		pth lole						
	_		_									
			_		_							
			_									
			_		_		Th	e informati	ion provide	ed is the	true and	
	_		_		_	'	cor	rect result	of tests	conducted	by me,	
					_	· M	in per	formed un	der my pe	ersonal sup	pervision,	
TOTAL OF	MIN / IN	1→			=		or	verified in a	manner a	pproved by	DEP.	
TOTAL NO	O. OF HO	LES→	=		-		(5)		wage Enforce	ment Officer		
☐ White	- Local A	gency			☐ Yelk	ow - Applica	ant		Pink	- Local D	EP Office	



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SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

Site Location	Lot 10 Te E Soi ABLE []	st Pit #602 I Type Wk Mottling	_ Slope _ Seeps or F	% l	Depth to Li	Subdivision miting Zon edrock	Name <u>Est</u> e <u>16</u> Fractures	ates at Col Ave. P	ony Park erc. Rate _ coarse Frac	gments
SOILS DESC		leted by: BEC	S Inc. Jose	eph W Coro	ona. M.S., F	P.S.S.	D	ate: Februa	ary 17, 200	6
Inches			0 1110., 0000	2011		tion of Ho			.,,	
TO		Ap 10	/R4/3 grav	elly silt loan				ucture		
			YR5/4 very							
+18 TO			xtremely ch							
то		Limiting	Zone - 18 ir	nches open	voids					
TO										
то										
PERCOLAT Percolation Weather Co Soil Condition	Test Compl nditions:	eted by: Below 40	°F 🗌 40	°F or above			D, Sleet, Sn			
Hole No.	Yes I N	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
		10/30								
		10/30								
		10/30								
		10/30								
		10/30							_	-
***Water remai	ning in the ho	10 / 30 le at the end of th	e final 30-min	ute presoak?	Yes, use 30-	minute interv	al: No. use 10	-minute inter	val.	
	-	of Average			100,000		., 110, 000 11			
Hole No.	Drop du final pe		rc. Rate as nutes/Inch	De of H	lole	in co	e informat rrect result	t of tests ider my pe	conducted ersonal sup	by me, pervision,
TOTAL OF							verified in a	a manner a	pproved by	DEP.
TOTAL NO.	OF HOLES	5→		-		(S	Se	wage Enforce	ement Officer	
☐ White-	Local Agen	су		☐ Yello	w - Applica	ant		☐ Pink	c - Local D	EP Office



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SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

	1101111			O LE 110							
Application N	No				Municipalit	ty <u>Plainfield</u>	Township		County No	rthampton	
Site Location								Name Est			
SUITABL											
UNSUITA	ABLE										
		☐ Per	c. Rate	Slope	☐ Unstab	ilized Fili	☐ Flood	iain 🗆 O	tner		
SOILS DESC	CRIPTI	ON: omplete	d by: BEC	S. Inc., Jos	eph W. Co	rona, M.S.,	P.S.S.	Di	ate: Septen	nber 20, 20	005
Inche		J.III.piioto	o o, . <u></u>				tion of Ho				
			Ap 10YF	R4/3 gravelly	silt loam,						
			Bw 10Y	R5/6 very gr	avelly silt lo	oam, friable	, weak sub	angular blo	ocky structi	ure	
+22 TO				remely grav							
т				Zone - 22 ir	_						
то				20110 22 11							
т	o	-	_								
PERCOLAT											
Percolation '									ate:		
Weather Co Soil Condition				0°F		e ∐ Dry	∐ Rair	n, Sleet, Sn	ow (last 24	hours)	
		•••	Dester	Reading	Reading	Reading	Reading	Reading No. 5:	Reading No. 6:	Reading No. 7	Reading No. 8:
Hole No.	Yes	No	Reading Interval	No. 1: Inches of drop	No. 2: Inches of drop	No. 3: Inches of drop	No. 4: Inches of drop				
			10/30								
			10/30								
			10/30								
			10/30								
			10/30								
			10/30								
***Water remai	ining in th	e hole at	the end of t	he final 30-min	ute presoak?	Yes, use 30-	minute interv	al; No, use 10	-minute inter	ral.	
(Calcula	tion of	Average	Percolation	Rate:						
	Dro	p during		erc. Rate as		pth					
Hole No.	fina	l period	М	inutes/Inch	of H	Hole					
	_		_		_						
	_				_						
	_				_						
							Th	e informat	ion provide	ed is the	true and
	_						cor	rect result	t of tests	conducted	by me,
						* In	ch pe	formed un			
TOTAL OF	MIN / IN	1→			=		OF/	verified in a	manner a	V)	, DEP.
TOTAL NO.	OF HO	LES→			-		(5)	Se	waga Enforce	ment Officer	
□ White -	Local A	gency			☐ Yello	ow - Applic	ant		☐ Pink	c - Local D	EP Office

Yellow - Applicant



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SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

Application No Municipality Plainfield Township County Northampton Site Location Lot 10 - Test Pit # 349 Subdivision Name Estates at Colony Park SUITABLE Soil Type Br Slope% Depth to Limiting Zone 21 inches Ave. Perc. Rate UNSUITABLE Mottling Seeps or Ponded Water Bedrock Fractures Coarse Fractures Perc. Rate Slope Unstabilized Fill Floodplain Other										gments		
SOILS DESC			d by: BEC	CS, Inc., Col	in M. Brand	I. P.G., P.S	S.S., S.E.O	D	ate: Septer	mber 22, 20	005	
Inche	s					Descrip	otion of Ho	orizon				
0 TO	10)	Ap 10YF	R4/2 channe	ery silt loam	, friable, m	oderate gr	anular stru	cture			
10 TO	TO17 Bw1 10YR5/6 channery silt loam, friable, weak subangular blocky structure											
17 TO	O 21 Bw2 10YR5/4 very channery silt loam, friable, weak subangular blocky structure											
_+21 TO	O Bw3/Cr 10YR5/4 very channery silt loam/channers, friable, weak subangular blocky struct										tructure	
то	Limiting Zone - 21 inches open voids											
то		_										
Percolation * Weather Co	COLATION TEST: olation Test Completed by:											
Hole No.	Yes	l No	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	
			10/30									
			10/30									
			10/30									
			10/30									
			10/30									
			10/30									
***Water remail	ning in th	e hole at	the end of the	he final 30-min	ute presoak?	Yes, use 30-	minute interv	al; No, use 10	-minute interv	al.		
0	alcula	tion of	Average	Percolation	Rate:							
	Calculation of Average Percolation Rate: Drop during Perc. Rate as Depth of Hole											
☐ White - L	- Local Agency											



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SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

					Municipality Plainfield Township County Northampton							
Site Location								Name Est				
SUITABL												
	ABLE		_								_	
		☐ Per	c. Rate	☐ Slope	☐ Unstab	ilized Fill	☐ Flood	olain 🔲 O	ther			
SOILS DESC			d bv: BEC	S. Inc., Col	in M. Brand	i. P.G., P.S	S.S., S.E.O.	. D	ate: Septer	nber 22, 20	005	
Inche			,-				otion of Ho					
TO	D10		Ap 10Y	R4/3 channe	ery silt loam	, friable, w	eak suban	gular blocky	structure			
10TC	D17		Bw1 10	YR5/6 very o	channery si	It Ioam, fria	ble, weak	subangular	blocky stru	octure		
+17 TO		_	Bw2/Cr	10YR5/4 vry	chnnry silt	loam/char	nners, very	friable, we	ak subangu	ılar blocky	structure	
то		_	Limiting	Zone - 17 ir	nches open	voids						
т		_										
то		_										
PERCOLAT	ION TE	ST:										
Percolation 7									ate:			
Weather Co Soil Condition			Below 40 Wet		°F or abov Frozen	e 🗌 Dry	☐ Rair	n, Sleet, Sn	ow (last 24	hours)		
Hole No.	Yes	l No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of dros	Reading No. 3: Inches of drop	Reading No. 4: Inches of dros	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7 Inches of drop	Reading No. 8: Inches of drop	
			10/30									
			10/30									
			10/30									
			10/30									
			10/30									
			10/30									
***Water remai	ning in th	e hole at	the end of the	he final 30-min	ute presoak?	Yes, use 30-	minute interv	al; No, use 10	-minute inter	ral.		
(_	Percolation								
Hole No.		p during I period		rc. Rate as inutes/Inch		pth łole						
			_									
		-										
			. –			т.						
			. –					e informat rrect result				
						M		rformed un				
TOTAL OF I	MIN / IN	1-3						verified in a				
TOTAL NO.						_	(S	Se	yage Enforce	ment Officer	4_	
☐ White - I	_ocal A	gency			☐ Yello	ow - Applica	ant		☐ Pink	- Local D	EP Office	



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

Application N	No			Municipalit	ty Plainfield	Township		County No	rthampton	
Site Location	Lot 10 - Tes	t Pit # 359			:			ates at Col		
	E Soil 7					miting Zon	e <u>+22 inche</u>	es Ave. P	erc. Rate_	
□ UNSUITA	ABLE M	ottling [Seeps or F	onded Wa	iter 🗌 B	edrock [Fracture	s 🛛 C	oarse Frag	gments
	□ P	erc. Rate	☐ Slope	☐ Unstab	ilized Fill	Flood	plain 🗌 O	ther		
SOILS DESC	CRIPTION: ption Complet	ted by: BE0	CS. Inc., Col	in M. Brand	I. P.G., P.S	S.S., S.E.O.	. D	ate: Octobe	er 5. 2005	
Inche			2, 100, 22			otion of Ho		2 2022		
TC		Ap 10Y	R4/3 channe	ery silt loam						
11 TO	22	Bw1 10	YR5/6 chan	nery silt loa	m, friable,	moderate s	ubangular	blocky stru	cture	
22 TO	27	Bw2/Cr	10YR5/6 ve	ry channer	y silt loam/o	channers, f	riable, wea	k subangul	ar blocky s	tructure
27 TO	31_	C/Cr 10	YR5/4 very	channery si	ilt loam/cha	nners, fria	ble, structu	reless		
то		Limiting	Zone - +22	inches ope	n voids					
то										
PERCOLAT	ION TEST:									
Percolation '	Test Complet							ate:		
Weather Co Soil Condition)°F		e 🗌 Dry	Rair	n, Sleet, Sn	ow (last 24	hours)	
	***	Beadles	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7	Reading
Hole No.	Yes No	Reading Interval		Inches of drop						No. 8: Inches of drop
		10/30								
		10/30								
		10/30								
		10/30								
		10/30								
		10/30								
***Water remai	ning in the hole a	at the end of t	he final 30-min	ute presoak?	Yes, use 30-	minute interv	al; No, use 10	-minute interv	val.	
(Calculation o	f Average	Percolation	Rate:						
Hole No.	Drop durir final perio	· or	erc. Rate as inutes/Inch		pth lole					
				_	—:					
				_						
				_	 .					
		; –		_				ion provide		
				_	— , M	ID		of tests der my pe		
				_	n	ch Dei		manner a		
TOTAL OF I	MIN / IN →	_		_ =		1 7	7	40	VI	0
TOTAL NO.	OF HOLES-	_		-		(S)		wage Enforce	ment Officer	
☐ White - I	ocal Agency			☐ Yello	ow - Applica	ant		☐ Pink	- Local D	EP Office