FOR McCLELLAN PROPERTY 1329 SYCAMORE MILLS ROAD EDGMONT TOWNSHIP DELAWARE COUNTY, PA June 20, 2017

GENERAL INFORMATION

The McClellan Property is located at 1329 Sycamore Mills Road in Edgmont Township, Delaware County, PA. The Site is located on the northwest side of Sycamore Mills Road approximately opposite Forrest Lane. The Site is bounded to the west (left side) by the Sycamore Mills Estates and the Deer Run residential subdivisions; to the north by larger residential properties; and to east (right side) by the Deep Meadow residential subdivision. The Site contains approximately 21 acres of land. The average width of the property is approximately 1,400 feet, and the average depth is approximately 1,800 feet. The Property is comprised of two Tax Folios - #19-00-00371-00 & #19-00-00372-00.

TOPOGRAPHIC and NATURAL FEATURES

The 'Rocky Run' Stream runs north-south through the easterly third of this parcel. An unnamed tributary branches off of Rocky Run in an east-west direction towards the southerly third of the Property. There is a flood zone and wetlands associated with the streams. Rocky Run is a High Quality Watershed so a riparian buffer is required with a width of 150 feet on each side of the top of bank of the streams. Topography is characterized as gently to moderately sloping with a few bands of steep slopes (15%-25% slopes)

EXISTING IMPROVEMENTS

An existing dwelling and accessory structures are centrally located in an east-west direction within the southerly third of the property, approximately 500 feet north of Sycamore Mills Road. The existing dwelling is located on the west side of Rocky Run. The dwelling is accessed by a paved driveway that intersects with Sycamore Mills Road at the approximate center of the property frontage.

VEGETATION

The Property has an expanse of lawn area around the existing dwelling and within the front yard of the property. The remainder of the property is wooded.

ZONING

The property is Zoned R-1 Residential. The R-1 District is designed, in part, to create opportunities for new residential development consistent with the rural character of the Township, west of the Ridley Creek State Park, wherein on-lot or community sewage disposal systems are utilized to conserve groundwater resources. The Minimum Lot Area has a basis of one dwelling per two acres of land. Subdivision of tracts of land in excess of 10 acres in the R-1 Districts a use allowed by Conditional Use (either Conventional lot lay-out or Open Space Developments).

SUBDIVISION METHOD

Practical experience has indicated that Subdivision Possibilities are better served by utilizing the 'Open Space Development' standards whereby 50% of the tract is preserved as Open Space and lot areas may be reduced to one acre or less. As a practical matter, lots should be one acre or more in size to fit residential dwellings and drives, primary and replacement sewage disposal systems, and on-lot wells.

PROPOSED SUBDIVISION

G. D. Houtman & Son, Inc has prepared a Sketch Subdivision for the McClellan Property. Aerial Topography was obtained for the tract; therefor the topographic information shown on the Sketch has a high degree of accuracy. The primary area for subdivision is at the west side of the property. The existing stream and riparian buffer take up most of the eastern half of the property. Another smaller pocket of develop able land is located at the far southeast corner of the property. Due to the size of the tract of land and the undevelopable swath of riparian buffer, it is not economically feasible to develop the tract with a public residential street. The lot yield was determine to be approximately 5 lots. Five lots are better served by individual or common driveways.

Five Lots are illustrated on the Sketch Plan. The existing dwelling is located on Lot 1 which contains 3.422 acres of land. Lot 2 is a one acre lot located at the far southeast corner of the Site and will be served by an individual driveway accessing Sycamore Mills Road. Lots 3, 4 & 5 are one acre lots located at the westerly side of the property. The properties are served by a 50 ft wide access easement that will contain a 16 ft wide common driveway. Over 11 acres of open Space will be created with the proposed subdivision.

SEWAGE DISPOSAL

Previous soils testing has located adequate soils for both primary and replacement on-lot sewage disposal systems. Copies of the soils reports are included with this feasibility study. The on-lot sewage disposal systems will either be conventional fields/trenches with a possibility of pressure dosing if the tested area is located at a higher elevation than the proposed house.

STROM WATER MANAGEMENT

Storm water management will be accomplished with one centralized storm water rate control basin located north of the existing dwelling along with SWM seepage beds on individual lots.

PENNDOT

The existing driveway, the individual driveway for Lot 2 and the common driveway serving lots 3-5 all have sufficient sight distance to meet PennDOT Standards. There may need to be some road-side bank clearing and excavating to achieve the necessary sight distance.

POSSIBLE OFF-SITE or OTHER IMPROVEMENTS

The existing culvert that carries Rocky Run under Sycamore Mills Road will flood during extreme storm events; however, it is not anticipated that the Township will require a subdivision which produces four building lots to up-grade the existing culvert. There is another culvert that the existing driveway crosses. It is not unexpected that the Township will require an up-grade to the existing culvert.

Widening of Sycamore Mills Road is not anticipated.

SUMMARY

An analysis of the tract area, topographic and environmental features, the applicable sections of the Zoning and Subdivision and Land Development Ordinances, the previous soil studies, and the available sight distances along Sycamore Mills Road indicates an achievable 5-lot subdivision creating a 3.4 acre property for the existing dwelling, four (4) residential building lots, and 11.0 acres of Open Space.

A3-1-01

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13-1-02

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE ER-BWQ-290 Appendix A

Application No Municipality <u>EDGMONT</u> County <u>VELAWARE</u> Site Location 1329 Sycamore Mills Subdivision Name
Site Location 1329 Sycamore Mius Subdivision Name
SulTABLE Soil Type Slope % Depth to Limiting Zone Ave. Perc. Rate
☐ UNSUITABLE ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments
☐ Perc. Rate ☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other
INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE
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0 TO 85 VAR Mic Salo Om Depth to limiting Zone:
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Calculation of Average Percolation Rate;
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DIZ-19-01

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DIZ-19-03

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Weather Co Soil Condition	onditions ons:	s: LI	ompleted by: Below 40°F Wet Dry	/ 40°F Fro	or above zen	JEI DIY	⊔ Hain,	Sieet, Sno	w (last 24	nqurs) ·	
	*	**	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	Inches .	Inches	Inches	Inches	Inches	Inches	Inches
1	Х.		10/60	of drop	of drop	of drop	of drop	of drop	of drop .	of drop .	of drop
2	Å.		10/60	4-	4	4	4				-
3 -	- ,	γ	19/30	3	23/4	25/8	21/2	21/2	A.,		
4		Y.	(6) 30	23/4	23/8.	214.		2/4			
5	X		. 10/(30)	23/4	23/4	25/8	21/2				
G	χ.		10 (30)	172	11/2	1/2	1/2				
**Water remail	ning in the	e holé at t	he end of the fina	il 30-minute	presoak? Ye	s, use 30-mir	ute interval;	No, use 10-m	inute interval		,
Calculation o	of Avera	age Per	<i>,</i> colation Rate;							•	
	Dror	o during	Perc. F	Rate as	.Depth	1	The in	Iformation	provided	is the tr	ue and
Hole No.		l period	Minute		of Hol		correct	result o	tests co	onducted	by me,
		3/4 "	17.		60	" ——		ned under			
Z		<u>t </u>	7.5	-	60	· "	Depart	l in a r ment	nanner a	.pprovea	by the
3	2	1/2 "	4	•	_60	. · ·	Борин	пнотт.		•	
4	2	"/4 "	4.0	<u> </u>	_52	н	(S)	0	F-1		
5.	2	½"	_ 12		<u> 52</u>	u		Sewage	Enforcemen	it Officer	
$\overline{\varphi}$		1/2 "	20	.	_ 52	. " Min			•		
OTAL OF N	/IN / IN	\rightarrow	_65	:	= 10.8	3 Inch			'	•	
OTAL NO.					, -						



12-19-09

Application	No.	٠ .	4		Municip	ality <u>ピリ</u>	<u>GWONT</u>	Cou	nty <u> Ver</u>	-ANARE
Site Location	No. on <u>1329</u> S	YLAMORE	MILLS		S	ubdivision	Name			
☐ SUITABI	LE Soil T	`ype *	Slope	%˝ D	epth to Lin	niting Zone) <u> </u>	Ave. P	'erc. Rate' ِ	, ,
☐ UNSUIT	ABLE □ Mo	ttling □ Se	eps or Por	nded Wate	r □ Be	drock . 🏻	Fractures	□С	oarse Fraç	jments
	.□ Pei	rc. Rate 🗆 S	Slope . 🗆	l Unstabiliz	zed Fill	☐ Floodpl	ain 🗀	Other	- y	<u>. </u>
								and the second second		
00110000		IONS FOR CO	Midi Fill	n of th	IS FORM A	are loca	(IED OM	ine hevi	:HSE	
	SCRIPTION: is Description (Completed by	·	- ·		٠.	i. De	ato: 12	1,9/09	5
		Completed by:	Descrin	tion of Ho	orizon:		Do	ie. <u>(Z</u>	1111	<u>*</u>
0T	o 6	DARK BE	lowd S	SILDAN	1 Giz/	W Mos	or Fr	i 451	2	• • • • • • • •
	- 2D	0.2	1.0/	CL	. 70	Dir was	in En	Color.	1000	
	0 38	CHOKE W	NITTE	<i>)</i> (⊑0#	m 6)	DE 140	DI TRI	Donth to	limiting	DUCDER
0. 1	n 85	VASE M	ie Fr	NE SIL	-0 mm.	Ø iM	ė	Zone:	mmunà	
		V- 3 1 - 1 - 1		• • • • • • • • • • • • • • • • • • • •			·, · .	Zone:	inches	
T	0		, , , , , , , , , , , , , , , , , , ,		·. `					
							Citation Company Control of Contr		-	- *
	ΓΙΟΝ TEST:								11.	
	colation Test C					· · ·				
Weather Co	onditions: 🛚 🗖	Below 40°F	Ø 40°F	or above	© r ∕Dry	□ Rain,	Sleet, Sno	w (last 24	hours)	
Soil Conditi	ons: □	Wet 1/2 Dry	' ∐ Fro	zen		•				
	***	5,11,5,1	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
Hala Na		Reading	No. 1:	No. 2i	No. 3:	No. 4:	No. 5:	No. 6:	No. 7	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
	Χ	. 10 (3)	5/8	5/8	1/2	1/2				
· 2	У	10:130	7/8	7/8	7/8	7/8				
3	χ	10/30	13/4	13/4.		13/4				
4	X	10/30	5/8	3/9	5/8	5/8	:			
5	У	10 (30)	174	17/4	178	178			2	
1.	×	10 (30)	1/2	13/8	13/8	1/4				
***Water remai	ning in the hole at	·				·	No, use 10-m	inute interva	!	
		•			•	·				
Calculation	of Average Per	colation Rate;				I		······································		
	Drop during	ı Perc. F	into oc	Depth	•	The in	' . Inoifermation	nrovided	is the tr	bes att
Hole No.	final period			ot Hol					onducted	
(1/2	" GO		32					nal supervi	
7_	7/8	". 34	3.	32	2 "			manner a	pproved	by the
3	13/4	. <u>/1.</u>	1	32		Depart	ment.			
<u> </u>	570	· 4.8	<u>-1</u>	20		(S)				
	110	——				. (5)	Sewage	Enforcemen	nt Officer	
	<u> </u>	20		20		<u> </u>		-		
(e ·	1/4	24	1 	20		• • • •	. ,		•	14
TOTAL OF I	ΛΙΝ / IN →	210.	<u> </u>	<u> 35, </u>	<u>Inch</u>		•	•		•
TOTAL NO	OF HOLES→	•			: -	•	•		· M	





Application No
☐ SUITABLE Soil Type Slope % Depth to Limiting Zone Ave. Perc. Rate ☐ UNSUITABLE ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments
☐ UNSUITABLE ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments
☐ Perc. Rate ☐ Slope ☐ Unstabilized Fill ☐ Floodplain : ☐ Other
· · · · · · · · · · · · · · · · · · ·
INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE
SOILS DESCRIPTION:
Soils Description Completed by: Date: 12/19/05
Soils Description Completed by: Soils Description Completed by: Inches O TO 7 Description of Horizon O TO 7 DESCRIPTION: Date: 12 19 05 Description of Horizon O TO 7 DESCRIPTION: Date: 12 19 05
O TO 26 MED BROWN MIC SILOWN 2 SBK GIND 30% BOULDERS
0 TO 85 VAN MIC S. Lown S/m 30% BOLDER Zone Zone inches
<u> </u>
PERCOLATION TEST:
Percolation Test Completed by: Weather Conditions: Below 40°F 40°F or above Dry Rain, Sleet, Snow (last 24 hours)
~ Weather Conditions: □ Below 40°F
Son Conditions. Li Wet Zi Diy Li 102en
Reading
Hole No. Yes No Interval Inches Inche
of drop
1 X 10/80 1/8 1/8 1/4 1/4 1 1 1 1 1 1 1 1 1
Z X 10/30 11/8 11/8 11/8
7 x 10/30 31/4 31/8 31/4 31/8
4 X 10/60 3/8 3/8 3/8 3/8
5 X 10(30) 23/8 21/8 2 17/8
6 X 10(30) 3/4 5/8 5/8 5/8
***Water remaining in the hole at the end of the final 30-minute presoak? Yes, use 30-minute interval; No, use 10-minute interval.
Calculation of Average Percolation Rate;
Drop during Perc. Rate as Depth The information provided is the true and
Hole No. final period Minutes/Inch of Hole correct result of tests conducted by me, performed under my personal supervision, or
Hole No. final period Minutes/Inch of Hole correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by the
Hole No. final period Minutes/Inch of Hole correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by the
Hole No. final period Minutes/Inch of Hole correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by the Department.
Hole No. final period Minutes/Inch of Hole correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by the Department. 1
Hole No. final period Minutes/Inch of Hole correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by the Department. 1
Hole No. final period Minutes/Inch of Hole correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by the Department. 1





DI-04-01

Application I		<u> </u>							nty VEC	AWAZE
Site Location	n 1329 S	CANORE	Mili	ر ج	Sı	ubdivision	Name			
□ SUITABI	F Soil TV	mei i	Slone	% D	epth to Lin	niting Zone		_ Ave. P	erc. Rate _	 .
□ UNSUIT#	ABLE □ Mot									
	☐ Perd	c. Rate 🛮 S	lope E	I Unstabiliz	ed Fill	☐ Floodpla	ain □	Other	<u> </u>	· , · .
	INSTRUCTI	ONS FOR CO	MPLETIC	ON OF THI	S'FORM	RE LOCA	TED ON 1	LHE BËVE	ŖSE	í ·
SOILS DES		·								•
	s Description C			otion of Ho	********	 	Da	te: <u> 04</u>	106	 -
Inche	s 0 <u>12</u>	DAZKBU	uescrip בי לאשמב	onion of Mo Silet Loia	orizon m 1-Bi	orky 1	Toist F	e. Ata	312	•
<u> </u>	0_32	ORBROWA	17c	Sittles	m 2	515/K 1	<u> 160)</u> T	尼(<i>ひか</i> Depth to	10 limiting	
0. TO	0 85	Vine Mic	SILON	AND 15	BK V.	Maist F	Ri			
		Pacifica		/	. 11	7 . 7.	1 000	Zone.	inches	
<u> </u>	0	· POCKETS ·	of st	W Lowne	IN MOT	ries 30	(- ()		· .	
DEDOOLAT	ON TECT		•				-			
•	ION TEST: colation Test Co	ompleted by:					Da	te: 🕛 📗	60 OCa	
Weather Co	nditions:	Below 40°F	Z 40°F	or above	□ Drv	□ Rain.	Sleet. Sno	w (last 24	hours)	<u> </u>
Soil Condition	ons: □	Wet Zi Dry	☐ Fro	zen			,			. •
· · · · · · · · · · · · · · · · · · ·		: 1	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
		Reading	No. 1:	No. 2:	No. 3:	No. 4:	No. 5:	· No. 6:	'No. 7	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
	χ	10 (30)	0	1/4	1/8	1/8				
2	7	10 /30	["	1/8	. 1	7/8				
3	y	- 10 (30)	1/4	11/4	11/9	1.1/4.	٠ ١.		·	
9	У	10 (30)	25/8		2/2	23/8				- `
. 5	X	10 (30)	15/8	1/2	15/8	1/2	·			· · · · · ·
· (o	×	10 (30)	27/8	23/4	23/4	23/4				1
***Water remain	ning in the hole at ti	ne end of the fina	l 30-minute	presoak? Ye	s, use 30-mir	ute interval; l	No, use 10-m ·	inute interval	•	
Calculation of	of Average Perc	colation Rate:						÷		
•					•		r e .			
Hole No.	Drop during final period	Perc. R Minute:		Depth of Hol			formation result of			
1 1010 110.	ililai period	24		20	. "		ned under			
	1/8 "	34		20	ĸ	1	linar	nanner a	pproved	by the
3	174 "	24		20		Depart	ment.			
- L	23/6 "	12.	4	20	п.	(S)	-	•		
-	1/2 "	2		20	<u> </u>	. ,	Sewage	Enforcemen	t Officer 📜	_
<u>(</u> _	73/2 "		9	20	— " <u>Min</u>		_	•	•	
TOTAL OF M		341	S.	= 56.						
TOTAL NO			· (6# .				•	••		•





1-4-03

Application	No		YCAMORE			Municip	ality_ED	GMONT	Coui	nty DEL	WARE
Site Location	on <u>13.</u>	19 5	YCAMORE	MILLS		s	ubdivision	Name			-
☐ SUITABI	_E	Soil Ty	/pe	Slope	% <u>`</u> D	epth to Lin	niting Zone	·	_ Ave. P	erc. Rate _	····
□ UNSUIT	ABLE .		tling □ Se	-			_		•		
		☐ Per	c. Rate 🏻 S	Slope E	l Unstabiliz	zeď Fill	☐ Floodpla	ain 🗀	Other		·
	INS	TRUCTI	ONS FOR C	OMPLETIO	ON OF TH	S FORM	ARE LOCA	TED ON	THE REVE	RSE	-
SOILS DES	CRIPT	ION-	,	•			·				
Soi	ls Desc	ription C	completed by:				· ·	Da	ite:		
Inche O T	;S ∵	-	*	nescrit	otion of He	orizon		•		_+	
							*				
<u>0.</u> T	O,					• •		······	Danish to	linaitin a	
0 T	0	•		•					Depth to Zone:	umung	
							************			_ inches	
<u> </u>	o <u>·</u>		,					•			
			and the second s	er e			es and an endough some	A TANTON A SOCIETY		1 .	
PERCOLAT	colotion	Tact Co	ompleted by:	,				Da	te:	106	-
Moother Co	ndition	i lest Gr	Below MOF	#1 40°E	or above	– Π'Drv	П Bain	Sleet, Sno	w (last 24	hours)	
Soil Condition	ons:	"、口	Below 40°F Wet DDD	/	zen .	7. Diy	- riani,		. (1001 2-1	nouroj	
				,				····	·		T . D F
	*	**	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)	11/2	11/2	11/2	1/2		V. G.OP		
2	-	X	(10)/30	51/2	5			47/8			
· 53 -		Х	(10 ₃ /30	31/8	31/8	3	3		•		
4		X	(10)/30	23/8	21/4	2/4	21/8	,		<u>.</u>	
5		Х	. (10)/30	3/2	31/0	3/0	3/8	3.			
Ĺφ	y.		10 (3д)	25/8	21/2	2/2	21/2			·	
***Water remai	ning in the	e hole at the	ne end of the fina	al 30-minute	presoak? Ye	s, use 30-mir	iute interval; !	No, use 10-m	inute interval		
Calculation	of Avers	ane Pero	colation Rate;								, .
Calculation	ὑι Ανοια	igo i oic	mailor riato,	•	•				*		
		during	Perc. F		,Deptl					is the tr	
Hole No.	final I	period	Minute 2 0	s/Inch	of Hol	e "				onducted nal supervi	
5. 2	-	7/a «	2:)	60					pproved	
7		<u>78. </u>				46	Departi	ment.	•		
	171	/4 "	3,3 4.7				(S)				
-4		· · · · · · · · · · · · · · · · · · ·			<u> 70</u>		(0)	Sewage	Enforcemen	t Officer	
$-\frac{1}{2}$		<u>"</u> "	3.3		<u>40</u>	 ,-	L				
<u> </u>		16_"		<i>A</i>	<u> 70</u>	" <u>Min</u> Inch	•				
TOTAL OF N	MIN / IN	\rightarrow	45.	<u> </u>	= 1.6		٠				
TOTAL NO.	OF HO	LES→									





11-9-02

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE ER-BWQ-290 Appendix A

Application	No		<u> </u>			_ Municip	ality	DIMONT	Cou	nty <u>DEC</u>	TWAZE
Site Location	on <u>13</u> 8	<u> 19</u> S	JCAMORE	MILLS	.	s	ubdivision	Name			
☐ SUITAB	_E	Soil T	ype	Slope	% <u>`</u> D	epth to Lin	niting Zone	•	Ave. P	erc. Rate	8.8
UNSUIT	ABLE	. 🗆 Мо	ttling 🗀 🛭 Se	eps or Por	nded Wate	r ⊟Beo	drock 🗆	Fractures	□С	oarse Frag	yments
		□ Pe:	rc. Rate 🔲 🤄	Slope 🗆	l Unstabiliz	zed Fill	☐ Floodpla	ain . '🗆	Other		
Proceedings of the control of the co	IN IO	TOUAT		ORADI ETIA	NOE TIL	IO FODRE					
0011 0 DE0			IONS FOR C	UMPLETR	ON OF I'H!	IS FORIVI A	ARE LOCA	TED ON	IHE KEVE	:RSE	
SOILS DES	le Desc	ION; ription (Completed by:					De	ito:	•	
Inche	is 5000 S	iipaon e	Completed by:	Descrip	otion of Ho	orizon		De		•	
Inche 0 T	o <u> </u>		· 				· · ·	····		•	
О Т			• :			•	•				
<u>0.</u> T									Depth to	limitina	
0T	o	<u>.</u>							Zone:	ia	
	_			s.		. ,				_ inches	
	o <u>·</u>				_		***	••			
								Anna an anna an an	1	1	and the state of the state of
PERCOLAT	ION TE	EST:	ampleted by	•		- · ·	•	D.		206	
No other Co	CORRIO	i jesi C	ompleted by:		1			Da	.te:	5 100	
Soil Conditi	naluon:	S: LI	Below 40°F Wet ☑ Dry	- 1,4140°F. 7 □ Ero	or above	Dry Dry	⊔ Hain, ₹	sieet, Sno	w (last 24	nours)	
Con Conditi			vvcc ya biy		2.011			•			
	*	r**	S ili	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
Hole No.	Yes	No	Reading Interval	No. 1: Inches	No. 2: Inches	No. 3: Inches	No. 4: Inches	No: 5: Inches	No. 6: Inches	No. 7	No. 8: Inches
•				of drop	ofedrop	of drop	of drop	of drop	of drop	of drop	of drop
	X		10 /(30)	27/8	23/4	25/8	278		*		· .
<u> </u>	<u> </u>		10/30	2	17/8	13/4	13/4		-:		
<u> </u>	<u> </u>		10/8 0)	31/2	33/8	33/8	3/4				
4	. :	X	10y 30	214			2				
5	У		10/60)	25/8		21/2	23/0				
<u></u> (o	X :		10/10	37/8	33/4	33/4	31/2	31/2			
***Water remai	ning in the	e hole at t	he end of the fina	d'30-minute p	oresoak? Yes	s, use 30-min	ute interval; Ņ	lo, use 10-m	inute interval	•	
		Б.	,						*•		
Calculation (or Avera	age Per	colation Rate;					•		•	
•	Drop	during	Perc. F	Rate as	Depth	ì	The in	formation	provided	is the tr	ue and
Hole No.		l period	Minuțe	s/Inch	of Hole		correct	result of	tests co	nducted	by me,
	2	<u> </u>	<u>, 1),</u>	4	60	<u>"</u>				nal supervi	
· 2	Ĺ	3/4 "	5.	າ່	00	. «·	verified Departr		nanner a	pproved	by the
3	3	1/4 "	9.	2:	66	ш	Departi	nen.			
<u>.</u>		ク "	£		49	r.	(S)				
7	2	3/9, "	12.	Ĝ	48			Sewage	Enforcemen	t Officer	
		1/2 "	$\frac{1}{Q}$	1.	aQ.			<u></u>	•		
	<u> </u>	116-	·	\(\text{\tin}\text{\tex{\tex		" <u>Min</u> } Inch				,	
TOTAL OF N	MN / IN	\rightarrow	52	<u>:5 </u>	= <u>0, C</u>	<u> </u>	•				



TOTAL NO. OF HOLES→



11-09-03

Application Site Location	No on13,	29 5	ycamor pe	E MI	15	iviunicipi Si	ע <u>ט ש</u> ubdivision l	Name	Cour	nty <u>178</u>	LANZ
☐ SUITAB	LE	Soil Ty	pe	Slope	<u></u> %	epth to Lin	niting Zone		Ave. P	erc. Rate	45
☐ UNSUIT	ABLE	. □ Mot	ling □ Se	eps or Por	nded Watë	r □ Bed	lrock □	Fractures	_ □ C	oarse Frag	ments
		□ Perd	. Rate □ S	Slope 🗆	l Unstabiliz	ed Fill	Ŭ Floodpla	ain 🗆	Other	·	
						o robie e	DELOOS	TED ÓN		DOE	
	•		ONS FOR CO	OMPLETIC	ок оғты	S FORM A	HE LOCA	TED ON	IHE KEVE	:HSE	•
SOILS DES	SCRIPTI	ION: rintion C	ompleted by:	•				Ds	ite.	•	
Inch	es Es	ription o	ompleted by:	Descrip	otion of Ho	orizon	•	Do			
<u> </u>	<u> </u>					•	•			**	
. О Т	· · ·			, -			•	•	. *		
<u> </u>	U			: '					Depth to	limitina	
<u> </u>	·o			*					Zone:	_	
•		• •							·	_ inches	
<u> </u>	O <u>·</u>		•				<u> </u>	·			
				7. · · · · · · · · · · · · · · · · · · ·	marka kamang apport					. 1.	J. 1997
PERCOLAT	TION TE	EST:	ورجا لمحددات	•		· - · · ·		, De		13/06	
Pei	rcolation	l lest Go	ompleted by:		~ , /		<u>-</u>		1		<u> </u>
Veather Co	onditions	S: LI !	Below 40°F Wet ☑ Dry	<u>1</u> 40°F	or above	J∡ Dry	∐ Hain, ₹	Sleet, Sno	w (last 24	nours)	
on Condiu	ons.	ייי	wer Diy	/ ЦПО	z e n . '			•			
	*	**		Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
11-1- N-	Van	l No	Reading	No. 1:	No. 2:	No. 3:	No. 4:	No: 5:	No. 6: Inches	No. 7 Inches	No. 8: Inches
Hole No.	Yes	No	Interval	Inches of drop	Inches . of drop	Inches of drop	Inches of drop	Inches of drop	of drop	of drop	of drop
- 1		v	fib√ 30	5	43/8	414.	4/8	4	4		٠.
2		Ŷ	1gy 30	21/2	21/2	21/2	21/2				
3	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	^	19y 30 10/60)	41/2	41/2	4/2	41/2		.`		
4			10/ED	23/4	25/8		23/8	23/8			
5	X		10/60	6	0	0	Ø				
6		X	10V 30	71/2	21/8	21/8	2	2.			·
·	ining in the		e end of the fina	al'30-minute r	oresoak? Ye				inute interval	 	
			,			•			••••		
alculation	of Avera	age Perc	olation Rate;					<u> </u>			<i></i>
	Dror	during	Perc. F	Pato ac	Depth	3	The in	formation	nrovided	is the tr	ue and
Hole No.		period	Minute		of Hol					onducted	
1	ma	4 "	2.5		66	. "				nal supervi	
7		7 1 /m «	4		COCI	π [*]	verified	in a ı	nanner a		by the
2	Z	1/2 "	6.7		60	<u>.</u> .	Departi	ment.	•		
<u> </u>		3/2		3	<u> </u>		(S)				•
"		<u> </u>	12.0		48		(9)	Sewage	Enforcemen	nt Officer	 .
`			240	2	48	"	· · · · · · · · · · · · · · · · · · ·	 _	· · ·		
<u> </u>	Z	7 (5	5		49) " <u>Min</u>	*				
TAL OF	MIN / IN	\rightarrow	270	<u>. Ø </u>	= 95	<u>Inch</u>					
OTAL NO.	OF HO	LES→									





Application	No		Sycamor			Municip	ality <u>ED</u>	GMONT	Cour	nty DELA	WARE	
-Site Locatio	on[3	329	Sycamor	E MIL	<u>ا</u>	Sı	ubdivision l	Name			·	
SUITABL	Ê	Soil T	ype	Slope	% _Do	epth to Lin	niting Zone		_ Ave. P	erc. Rate ₋	(()	
□ UNSUITA	ABLE	. Ц Мо	ttling LISe	eps₊or Por	nded Water	r ⊓⋅Red	drock L	Fractures	ЦΟ	oarse Frag	Iments	
•		☐ Pei	c. Rate 🗆 S	Slope E	1 Unstabiliz	ed Fill	☐ Floodpla	ain _ '□-	Other	·		
	INS	TRUCT	IONS FOR CO	OMPLETIO	ON OF THI	S FORM A	ARE LOCA	TED ON	THE REVE	RSE		
SOILS DES	CRIPT	ION:		•								
Soil	ls Desc	ription (Completed by:	Dedent		·	· ·	Da	ite:	· · · · · · · · · · · · · · · · · · ·		
inche O T	es O			Descrip	otion of mo	rizon		Ŧ		*		
			* :				•					
	O		*	•		·····			Depth to	limitina	•	
	o			,				<u> </u>	Zone:			
	•							•		_ inches		
										e e a romando <u>de 1866</u>	and the second s	
PERCOLAT	TON TE	EST:				•)		
Per	colatior	n Test C	ompleted by:		, .			Da	te:	106	<u>.</u>	
Weather Co	ndition	s: 🛚	completed by: Below 40°F	≠ 140°F	or above	[2] Dry	□ Rain,	Sleet, Sno	w (last 24	hburs)		
Soil Condition	ons:	. 🗆	Wet D/Dry	⁄ ∐Fro	ozen .				·			
	,	***		Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	
Hole No.	Yes	No	Reading Interval	No. 1:	No. 2: Inches	No. 3: Inches	No. 4:	No: 5: Inches	No. 6: Inches	No. 7 - Inches	No. 8: Inches	
	<u> </u>			of drop	of drop	of drop	of drop	of drop	of drop	of drop	of drop	
	X		10/ β 0)·	4	4	4.		•				
<u> </u>	<u> </u>		10/(30)	13/4	15/8	15/8	11/2	23/0	-			
	X	3.5	10/80)	4/8	35/8	398	3/2	33/9	,			
4		Х	(b) 30	27/9	13/4	214	15/6	21/4		,		
<u> </u>	λ		· 10/60)	13/4	7/4	15/8	15/8	•				
***Water remain	ning in th	e hole at i	the end of the fina	1 / <u>/ // // // // // // // // // // // //</u>	nresnak? Yes	3/4-	ute interval: I	Vo. use 10-m	inute interval		<u> </u>	
water remain	inig arai	e noic at	,	ar oo minate j	prodouk: 100	2, 400 oo tim	iato intorrai, i	10, 000 70 11		•		
Calculation	of Aver	age Per	colation Rate;				<u></u>					
	Dro	p during	Perc. F	Rate as	Depth	1	The in	formation	provided	is the tr	ue and	
Hole No.		l period			of Hole				tests co			
	<u>3¹/5</u> " <u>7.7</u>					performed under my personal supervision, or verified in a manner approved by the						
2		1/2	'2	20					namer a •	pproved	by the	
3 .	<u> 3 3/8 " </u>			8.9 60		rt	Department.				j	
4	9 2/4 "			4.4		_5 "		(S)				
<u>. 5</u>	15/8 "			18.5		51 "		Sewage Enforcement Officer				
6 3/4 "			4	40					•			
TOTAL OF N	/IN / IN	. <u> </u>	99.	5	= [6,6	Inch g				•	`	
TOTAL NO.			-	. —	,	•						



1-9-07

Application	n No		CAMORE			Municip	ality <u>E</u>)	GMONT	Cou	nty <u>DEL</u>	AWAZE		
Site Locat	ion <u> 32</u>	<u> 9 5 </u>	CAMORE	MILL	•	S	ubdivision	Name		·	<u> </u>		
☐ SUITAE	BLE.	Soil·Ty	/pe	Slope	% D	epth to Lin	niting Zone		Ave. F	erc. Rate	44.4		
UNSÜN	TABLE .	. □ Mot	tling 🗀 🖸 Se	eps₊or Por	nded Watė	r □·Be	drock 🗆	Fractures	. · □ C	oarse Fraç	gments		
• • •		□ Per	c. Rate □	Slope [] Unstabiliz	zed Fill	☐ Floodpla	ain . ˙□	Other	 	·		
	INS	TRUCTI	ONS FOR C	OMPLETIO	ON OF TH	S FORM	ARE LOCA	TED ON	THE REVI	ERSE			
SOILS DE	*				,								
			completed by	·		·		Da	ate:				
	es	*	•	Descri	otion of Ho	orizon					•		
			٠,				•		•				
<u> </u>	то	·							•	٠			
	•						Depth to limiting						
	10 <u> </u>				.	• • • • • • • • • • • • • • • • • • • •		: ·	Zone:	inches	•		
0	го <u>·</u>	<u>.</u>		•			,			_ ,,,,,,,,,	•		
					TO THE WHILE SHOWN AND	e. Uni sieni si intega negree.	ye in a na afronsi						
PERCOLA							,	r		1 1	·		
Pe	rcolation	Test Co	ompleted by:			_		, Da	ite:1_	1.3/00	<u>e </u>		
Weather C	onditions	s: 🗆 !	Below 40°F	/ 2 40°F	or above	, ⊉ Dry	□ Rain,	Sleet, Sno	w (last 24	hours)			
Soil Condit	ions:	. 🗆 '	Wet Dr <u>'</u> Dr	y □ Fro ·	zen				-				
	*	**		Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading		
. Uda No	Yes	No	Reading Interval	No. 1: Inches	No. 2: Inches	No. 3: Inches	No. 4: Inches	No: 5: Inches	No. 6: Inches	No. 7	No. 8: Inches		
Hole No.	168	NO	mervar	of drop	of drop	of drop	of drop	of drop	of drop	of drop .	of drop		
	Х		10/80)	21/2	23/8	21/4	2/14		<u> </u>				
Ž		×	(6) 30	23/8	21/8	2/4	21/8.						
3		X	Oy 30	4	4	4	3 ³ /4						
9		X	(10)(30	3/2	31/4	3/8.	3	3			· · · · · · · · · · · · · · · · · · ·		
ζ		χ	To// 30	. 3.	3	3	27/9						
lo	X_		10//30)	1/4	1/4	1/4	1/9)		•		· ·		
**Water rema	aining in the	e holė at tr	ne end of the fina	al 30-minute p		s, use 30-mir	ute interval; l	lo, use 10-m	inute interva	t. ·			
s e min		D	, Salatina Doto:								•		
alculation	or Avers	ige Perd	colation Rate										
Drop during			Perc. F	Perc. Rate as Depth						is the tr			
Hole No.	ole No. final period			Minutes/Inch		of Hole		correct result of tests conducted by me,					
<u>. [</u>	· <u>2'</u>	21/4 " (3.3		13	. <u>CoC</u> "		performed under my personal supervision, or verified in a manner approved by the						
	_2/8"		4.7		60 "		Department.						
3	33/4 "		2.7		60 "		D opa, u	.,		•			
4			3	3.5		48 "		(S)					
5	2	1/9 "		2.6		48 "		Sewage Enforcement Officer					
		1/8 "	. 74	290		48 " Min			•	•			
OTAL OF MIN / IN →			26		44	Inch	_						
			4-10	Le : L' =			•			•			
OTAL NO	OF HOL	FS→											

