SOIL EVALUATION REPORT Page 1 of 4 Wisconsin Department of Safety and Professional Services in accordance with SPS 385, Wis.Adm.Code **Division of Industry Services** DANE Attach complete site plan on paper not less than 81/2 x 11" in size. Plan must County include, but not limited to: vertical and horizontal reference point (BM), direction 012/0911-121-6236-0 Parcel I.D. and % slope, scale or dimensions, north arrow, location & distance to nearest road. Date Please print all information Reviewed by Personal information you provide may be used for secondary purposes (Privacy Law,s.15.04(1)(m)). Property Owner **Property Location** E NE 1/4, S 12 , T 9 N, R 11 PAULSON DEVELOPMENT LLC 1/4, Lot # Subd.Name or CSM# Property Owner's Mailing Address **DRUMLIN CREEK** 66 4607 OAK SPRINGS CIR. Nearest Road State Phone Number City Town Zip Code City FISSURE TR. 608 234-7093 BRISTOL DE FOREST, WI 53532 600 GPD  $\square$ Residential/No.bedrooms 4 Code derived design flow rate: **New Construction** Use: 📉 Public or commercial- Describe: Replacement ft. LOESS, GLACIAL TILL Flood Plain elevation if applicable\_\_\_ Parent Material: General comments and recommendations: SEE PLOT PLAN SYSTEM ELEV: GPD/SQ.FT. LOADING RATE 0.4 Boring Boring N/A Soil Application Rate 101 XPit 956.57' Depth to limiting factor # Ground surface elev. GPD/ft2 Consistence Roots Boundary Texture Structure Depth Dominant Color **Redox Description** Horizon \*Eff#1 \*Eff#2 Gr.Sz.Sh. (Moist) Munsell Qu. Sz. Cont. Color inches 0.2 2f 0 as sil 2mpl fr 10YR3/3 Ap 0-8 fr 1f CS 0.6 0.8 sil 2fsbk 10YR4/4 8-44 B 0.2 0.3 1f cl 1fsbk fi CS 44-75 10YR4/4 Bt 0.7 0.4 1fsbk vfr sl C 75-85 10YR5/6 Boring Boring N/A Soil Application Rate 953.71' Depth to limiting factor # **X**Pit 102 Ground surface elev. GPD/ft2 Boundary Roots Structure Consistence Dominant Color Redox Description Texture Horizon Depth \*Eff#2 \*Eff#1 (Moist) Gr.Sz.Sh. Qu. Sz. Cont. Color inches Munsell 2f as 0.6 0.8 2fsbk fr sil 0-7 10YR3/3 Ap fi 1f CS 0.4 0.6 cl 2fsbk 10YR4/4 7-20 Bt 0.4 0.7 vfr sl 1fsbk C 20-74 10YR5/6

\*Effluent #1 = BOD<sub>5</sub> >  $30 \le 220 \text{ mg/L}$  and TSS >  $30 \le 150 \text{ mg/L}$ 

#1 = BOD<sub>5</sub> > 30 ≤ 220 mg/L and 155 > 30 ≤ 150 mg/ JEFFREY L. HAMMES

703 CAMINO DE LA FAMILIA, #3207

SANTA FE, NM 87501

CST Name

Address

\*Effluent #2 =  $BOD_5 \le 30 \text{ mg/L}$  and  $TSS \le 30 \text{ mg/L}$ 

CST Number 223300

Telephone No.(608)233-9200

Date Evaluation Conducted: 11/16/2021

Signature:

PAULSON DEVELOPMENT LLC

Parcel ID:

012/0911-121-6236-0

Page 2 of 4

Boring	Boring									
03 #	Pit	Ground surface	elev. 955.92'		Depth to li	imiting factor	N/A		Soil Applic	
Horizon	Depth	Dominant Color	Redox Description	Texture	Structure	Consistence	Roots	Boundary	GPD,	ft <sup>2</sup>
	inches	Munsell	Qu. Sz. Cont. Color		Gr.Sz.Sh.	(Moist)			*Eff#1	*Eff#2
Ар	0-8	10YR3/3		sil	2fsbk	fr	2f	as	0.6	0.8
Bt	8-22	10YR4/4		cl	2fsbk	fi	1f	cs	0.4	0.6
С	22-98	10YR5/6		sl	1fsbk	vfr		,	0.4	0.7
Boring							1		<u> </u>	
.04 #	<b>⊠</b> Pit	Ground surface			Depth to I	imiting factor	N/A		Soil Applic	
Horizon	Depth	Dominant Color	Redox Description	Texture	Structure	Consistence	Roots	Boundary	GPD,	
	inches	Munsell	Qu. Sz. Cont. Color	ļ.,	Gr.Sz.Sh.	(Moist)	2.0		*Eff#1	*Eff#2
Ар	0-9	10YR3/3		sil	2fsbk	fr	2f	as	0.6	0.8
Bt	9-33	10YR4/4		cl	2fsbk	fi	1f	cs	0.4	0.6
С	33-128	10YR5/6		sl	1fsbk	vfr			0.4	0.7
Boring	Boring		I			•				
132 #	Pit	Ground surface	e elev. 957.48'		Depth to	limiting factor	N/A		Soil Applie	
Horizon	Depth	Dominant Color	Redox Description	Texture	Structure	Consistence	Roots	Boundary	GPD	/ft <sup>2</sup>
	inches	Munsell	Qu. Sz. Cont. Color		Gr.Sz.Sh.	(Moist)			*Eff#1	*Eff#2
Ар	0-12	10YR3/3		sil	3cabk	vfi	2f	as	0	0
Bt1	12-36	10YR4/4		cl	2fsbk	fi	1f	CS	0.4	0.6
Bt2	36-56	10YR4/4		cl	1fsbk	fi	1f	cs	0.2	0.3
С	56-118	10YR5/6		sl	1fpl	I			0.4	0.6

<sup>\*</sup>Effluent #1 =  $BOD_5 > 30 \le 220 \text{ mg/L}$  and  $TSS > 30 \le 150 \text{ mg/L}$ 

<sup>\*</sup>Effluent #2 =  $BOD_5 \le 30 \text{ mg/L}$  and  $TSS \le 30 \text{ mg/L}$ 

### **JEFFREY L. HAMMES**

CERTIFIED SOIL TESTING CERTIFIED DESIGNING

PAGE 3 OF 4

### **PLOT PLAN**

ONE INCH

IF THIS BOX DOES NOT EQUAL ONE INCH ON ALL SIDES, THEN THIS DRAWING IS NOT TO SCALE

CLIENT: PAULSON DEVELOPMENT LLC

SCALE 1" = 40' PROPOSED DRAINFIELD □= SOIL BORING 4 - 6' x 62.5' CELLS (CELL ELEV. SHOWN) 954 PROPOSED DRAINFIELD FISSURE TRAIL R/W 5 - 6' x 50' CELLS 955 (CELL ELEV. SHOWN) 107 56.51 956 118.79 950.7 102 957 950.2 951.6' 950.9 952.4 10 951.4' 953.2 105 951,7' 959 953.8 952.0' □<sup>101</sup> 954.1' **№**106 954.5 132 954.8' 8% 0 960 PROPOSED DRAINFIELD 258.11 4 4 - 5' x 75' CELLS 0 (CELL ELEV. SHOWN) PROPOSED DRAINFIELD X USING EZ FLOW PIPING V00'54'11"E 7 - 3' x 45' CELLS LOT 67. (CELL ELEV. SHOWN BELOW) Ш DRUMLIN CREEK LOT 66. S N00'54'11"E **0.74 ACRES** DRUMLIN CREEK 0 **0.69 ACRES** 1 0 X 1 CELL NO. BOTTOM ELEV 952.2 1 2 952.3' BM = TOP OF 3/4" 952.3' IRON STAKE 3 ELEV. = 960.94 952.5 5 952.6 BM = TOP OF 3/4" 6 952.7 IRON STAKE ELEV. = 957.12' 7 952.9 <u>1</u>19<u>.0</u>9'\_ \_ \_ \_ 20.00

# **LOCATION MAP**

CLIENT: PAULSON DEVELOPMENT LLC

PAGE 4 OF 4

SCALE 1" = 200'



Address

820 WILLIAMSON ST., #401

MADISON, WI 53703

Division of Industry Services in accordance with SPS 385, Wis.Adm.Code Attach complete site plan on paper not less than 81/2 x 11" in size. Plan must DANE County include, but not limited to: vertical and horizontal reference point (BM), direction and % slope, scale or dimensions, north arrow, location & distance to nearest road. 012/0911-121-4183-0 Parcel I.D. Please print all information Reviewed by Date Personal information you provide may be used for secondary purposes (Privacy Law,s.15.04(1)(m)). Property Owner **Property Location** PAULSON DEVELOPMENT LLC SW NE 1/4, S 1/4, 12 , T 9 N. R 11 Ε Property Owner's Mailing Address Lot# Subd.Name or CSM# 4607 OAK SPRINGS CIR. DRUMLIN CREEK City State Zip Code Phone Number City X Town Nearest Road DE FOREST, WI 53532 608 234-7093 **BRISTOL** FISSURE TR. Use: X **New Construction** Residential/No.bedrooms 4 Code derived design flow rate: 600 GPD Public or commercial- Describe: Replacement LOESS, GLACIAL TILL Parent Material: Flood Plain elevation if applicable\_\_\_\_\_ft. General comments and recommendations: 0.4 GPD/SQ.FT. LOADING RATE SYSTEM ELEV: SEE PLOT PLAN Boring Boring 57 X Pit # 952.77' N/A Ground surface elev. Depth to limiting factor Soil Application Rate GPD/ft2 Horizon Depth Dominant Color Redox Description Boundary Texture Structure Consistence Roots \*Eff#1 \*Eff#2 Munsell Qu. Sz. Cont. Color Gr.Sz.Sh. (Moist) inches Ap 0-9 10YR3/3 fr 2f 0.6 0.8 2mgr as 9-21 sl 2fsbk fr 1f 0.6 1 BC 10YR4/6 CS 0.7 C 21-105 sl 0.4 10YR5/4 1fsbk vfr Boring Boring X Pit N/A 58 # 947.8' Soil Application Rate Ground surface elev. Depth to limiting factor GPD/ft2 Horizon Depth Dominant Color Redox Description Texture Structure Consistence Roots Boundary \*Eff#2 inches Munsell Qu. Sz. Cont. Color Gr.Sz.Sh. (Moist) \*Eff#1 0-10 10YR3/2 sil 2fsbk 2f 0.6 0.8 Ap fr as cl 0.4 0.6 Bt 10-24 10YR4/4 2fsbk fi 1f CS sl 1f 0.7 BC 24-45 10YR4/6 1fsbk fr 0.4 CS C 45-120 10YR5/4 sl 1fsbk vfr 0.4 0.7 \*Effluent #1 = BOD<sub>5</sub> >  $30 \le 220 \text{ mg/L}$  and TSS >  $30 \le 150 \text{ mg/L}$ \*Effluent #2 = BOD<sub>5</sub> ≤ 30 mg/L and TSS ≤ 30 mg/L CST Number 223300 CST Name JEFFREY L. HAMMES Signature:

Date Evaluation Conducted: 3/4/2020

Telephone No.(608)233-9200

Boring	Boring					012,031	1 121 4100	, 0	rage	2 01 3
59 #	X Pit	Ground surface	elev. 945.16'		Depth to I	imiting factor	N/A		Soil Appli	cation Rate
Horizon	Depth	Dominant Color	Redox Description	Texture	Structure	Consistence	Roots	Boundary	GPD/ft <sup>2</sup>	
	inches	Munsell	Qu. Sz. Cont. Color		Gr.Sz.Sh.	(Moist)			*Eff#1	*Eff#2
Ар	0-9	10YR3/2		sil	2fsbk	fr	2f	as	0.6	0.8
Bt	9-23	10YR4/6		scl	2fsbk	fr	1f	cs	0.4	0.6
ВС	23-26	10YR4/6		sl	1fsbk	vfr	1f	cs	0.4	0.7
С	26-115	10YR5/4		sl	1fsbk	vfr			0.4	0.7
Boring	Boring									

63 #	Pit	Ground surface elev. 943.16'			Depth to limiting factor		N/A		Soil Application Rate	
Horizon	Depth	Dominant Color	Redox Description	Texture	Structure	Consistence	Roots	Boundary	GPD/ft <sup>2</sup>	
	inches	Munsell	Qu. Sz. Cont. Color		Gr.Sz.Sh.	(Moist)			*Eff#1	*Eff#2
Ар	0-8	10YR3/2		sil	2fsbk	fr	2f	as	0.6	0.8
Bt	8-18	10YR4/6		scl	2fsbk	fr	1f	cs	0.4	0.6
ВС	18-28	10YR4/6		sl	1fsbk	vfr	1f	CS	0.4	0.7
С	28-110	10YR5/4		sl	1fsbk	vfr			0.4	0.7

Boring	Boring									
#	⊠Pit	Ground surface	Depth to limiting factor						Soil Application Rate	
Horizon	Depth	Dominant Color Redox Description		Texture	Structure	Consistence	Roots	Boundary	GPD/ft <sup>2</sup>	
	inches	Munsell	Qu. Sz. Cont. Color		Gr.Sz.Sh.	(Moist)			*Eff#1	*Eff#2
				-						
				-	-	-	-			

<sup>\*</sup>Effluent #1 = BOD<sub>5</sub> > 30  $\leq$  220 mg/L and TSS > 30  $\leq$  150 mg/L

<sup>\*</sup>Effluent #2 =  $BOD_5 \le 30 \text{ mg/L}$  and  $TSS \le 30 \text{ mg/L}$ 

## **JEFFREY L. HAMMES**

CERTIFIED SOIL TESTING CERTIFIED DESIGNING

PAGE 3 OF 3

#### **PLOT PLAN**

ONE INCH-

IF THIS BOX DOES NOT EQUAL ONE INCH ON ALL SIDES, THEN THIS DRAWING IS NOT TO SCALE

CLIENT: PAULSON DEVELOPMENT LLC

