

Department of Public Health and Environment

14949 62nd Street North PO Box 6

Office: 651-430-6655 TTY: 651-430-6246 Fax: 651-430-6730

Stillwater MN 55082-0006

Review Fee: \$285.00 Permit Fee: \$300.00 Total Fee: \$585.00 **Previous Payment** \$585.00 **Balance Due** \$0.00

Community:

Afton

Permit Number:

0100-13-12

Owner:

Tom & Brenda Laska

13237

Afton MN 55001-

Applicant:

John Buelow

PERMISSION IS HEREBY GRANTED

To execute the work specified in this permit on the following identified property upon express condition that said persons and their agents, and employees shall conform in all respects to the provisions of Ordinance #179, Washington County Development Code. Chapter Four. Subsurface Sewage Treatment System Regulations. This permit may be revoked at any time upon violation of any of the provisions of said ordinance.

Project Address:

2685 Meadow Point Path

Geo Code:

18-028-20-31-0026

Designer:

Buelow Excavating

Turn of Sustains Decinfic					Pressure Distribution
Type of System: Drainfie	ala 	•.			N/A
Design Criteria		Drainfield	Sizing		
Percolation Rate:	31	Square Feet:	1200		
Depth To Restriction:	48	Lineal:	400	Feet	
Land Slope:	2.00%	Depth Of Rock Below:	6	Inches	
Flow Rate:	600	Maximum Trench Depth:	12	Inches	
Number of Bedrooms:	0	Number Of Trenches:	4		
☐ Gravelless		Length Of Trenches:	100	Feet	
☐ Chambered		Spacing Of Trenches:	7.5	Feet	· · · · · · · · · · · · · · · · · · ·
		Tank Sizes			
Tank 1: 1500 Tan	k 2: 1000	Tank 3: 0	Lift Station:	0	

Authorized Work/Special Conditions

- 1. Building sewer can be no closer than 20 feet from well and must be pressure tested Schedule 40 within 50 feet.
- 2. Domestic strength waste only. Industrial waste and hazardous wastes cannot enter the septic system.
- Effluent Filter with Alarm Required
- 4. Establish a vegetative cover over the soil treatment area within 30 days of the installation. Protect the soil treatment area from erosion until the vegetative cover is established.
- Install individual sewage treatment system as per approved design in area tested and shown on the site plan.
- Maximum trench depth 12 inches into natural soil.
- This system must be installed by a certified/licensed sewage treatment system installer holding a current license with the Minnesota Pollution Control Agency. (A list of installers is available at your request.)
- Use of tanks registered with the Minnesota Pollution Control Agency required.

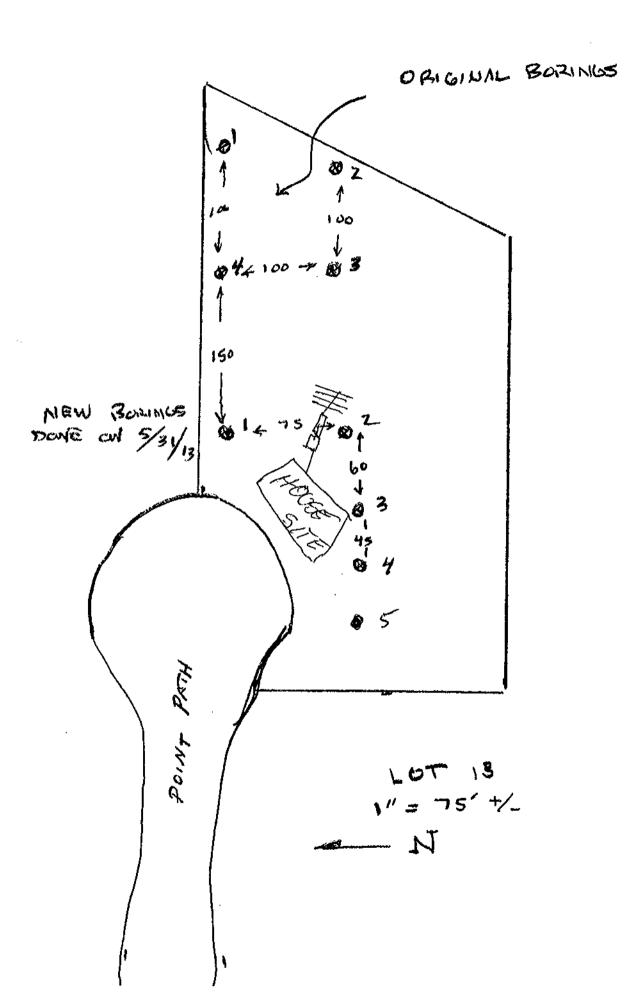
Permit Issue Date:

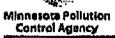
8 30 2013

Permit Expiration Date:

August 30, 2014

Christopher W. LeClair, REHS Senior Environmental Specialist





OSTP Design Summary Worksheet

University of Minnesota



Property Owner/Client:	Project ID:		v 12.06.26
Site Address:	Date:		
1. DESIGN FLOW AND TANKS			
A. Design Flow: 600 Gallons Per Day (GPD) Note: The estimated design flow is considered.			
Safety factor. For long term performs B. Septic Tanks: recommended to be < 6		acity flow is	
Minimum Code Required Septic Tank Capacity: 2500 Gallons, in 2	Tanks or Compa	roments	
Recommended Septic Tank Capacity: Gallons, in	Tanks or Compa	rtments	
Effluent Screen & Alarm?			
C. Holding Tanks Only:		1	
Number of Holding Tanks: Total Volume of Holding Tanks:		Gallons	
Type of High Level Alarm:		•	
D. Pump Tank 1 Capacity: Gallons Pump Tank 2 Capacity:		Gallons	
2. SYSTEM TYPE			
Type of Soil Treatment and Dispersal Area* Type of Distribution Type of Distribution Type of Distribution O Gravity Distribution O Gravity Distribution * Selection Required Senchmark		O Fresquise Distributi	ion-Unlevel
System Type Benchmark Loc			
Type of Distrib			
☐ Type II ☐ Type III ☐ Type IV ☐ Type V			
3. SITE EVALUATION:			
	ation of Limiting	Layer: 2	ft
B. Minimum required separation: 136 in ft Location of elevi	ation:	Mark	
C, Measured Percent Land Slope: Z%			[
D. Percolation Rate: 3/ MPI			
E. Soil Texture: BILT LOAM Coarse Fragments:	if greater	than >35% see b	elow
F. Soil Hydraulic Loading Rate: 66 GPD/ft ² E1. Amount of soil with 35	i-50% rock fragm	ents >2mm =	in
G. Contour Loading Rate: Gal/ft E2. Amount of soil with >5	i0% rock fragmen	its >2mm =	in
H. Maxium depth of system = Depth of limiting layer (3A) - required separation (3B) - 50% of E1 - 100% of E2: If number is no	gative a mound	system or treatm	nent
in - (0.5 X) in - 12 in tev	el A or B may be	needed.	•
4. DESIGN SUMMARY			
Trench Design Summary			
Dispersal Area 1280 ft ² Sidewall Depth 6 in	Trench	Width 3	in
Total Lineal Feet 460 ft Number of Trenches 4 Code A	daximum Trench	Depth /Z	ín
Design	ners Max Trench	Depth /2	in of



OSTP Trench Design Worksheet



Q	М	ntrol Agency		<u></u>				7 747			
1.		SYSTEM SIZING:		Project ID:	.			v 05.31.13			
A	L	Design Flow:		600	GPD						
8	١,	Code Maximum Depth	d I	12	inches	Designers Max	dmum Depth:	12inches			
(•	Soil Loading Rate:	İ	15	GPD/ft²	Contour Loadi	ing Rate:	/Z gal/ft			
C).	Required Bottom Area	a: Design Flow	r (1.A) + Loadii	ng Rate (1.C) =	initial Requir	ed Bottom Are	a			
		GPD +	15	GPD/ft² =	1200	ft ²					
E		Select Dispersal Media	a; ` 🖂	Rock							
		(selection required)		Registered	Product						
F		Select Distribution Me	thod: 🗖	Pressure D	Gravity-D	rop Box		·			
	☐ Gravity-Other										
(G. If distribution media is installed in contact with sandy or loamy sand or with a percolation rate of 0.1 to 5 mpi										
		indicate distribution o	or treatment r	method:	_,	<u> </u>					
2.		TRENCH CONFIGURAT	TION: ROCK								
A	١٠	initial required trench bottom area	Sidewall	Bottom Area	Bottom Area	Design trench					
	١	(ft²): (from 1.D)	Absorption (inches)	Reduction	Multiplier	bottom area		Cover			
	1		6 to 11		1			O Distribution			
	١	900	12 to 17	20%	8.0			May narrhamet passes			
	١	·	18 to 23 24	34% 40%	0.66 0.6			Sidewall			
	ا	Ealast Sidovall Maish				ft					
		Select Sidewall Heigh Design Bottom Area (2		ft ²	- 1,	<u>/</u>	٧	viáth			
		Select Trench Width	E.AJ.					• •			
		Total Designed Trenci	h Lanath: Poti		anch Width -	Total Decideo	d Tranch Land	*h			
•	••	torat nosilited treuc	n cengui. Doc	ft² +	erch width -	ft =	ft	, ui			
Į.	•	Calculate Minimum sy				•		1			
			60	gpd +	12	gai/ft =	50	ft			
·	-	Select No. of Trenche	<u> </u>	trench							
		Select Trench Spacing		ft		12 ft from cen	-				
H	1.	Calculate Lawn Area:	Trench Lengt	h (2.E) X Tren	ch Spacing (2.0	G) = square fed ft =	et of lawn are:	a]ft² lawn area			
4	J.	Select Depth Required	d to Cover Dis	tribution Pipe	:		•				
				ft	(0.33 ft for pr	ressure, 0.5 ft	for gravity)				
í	ζ,	Calculate Rock Volum	ie: (Sid <u>ewall F</u>			· ' 	····				
			(ft →	<u> </u>	ft) X	ft ² =	ft ³			
			Divide	ft ³ by 27 ft ³ /y	d³ to calculate		l <u>-</u>				
				ft ³ +	27 =	<u> </u>	yd ³				

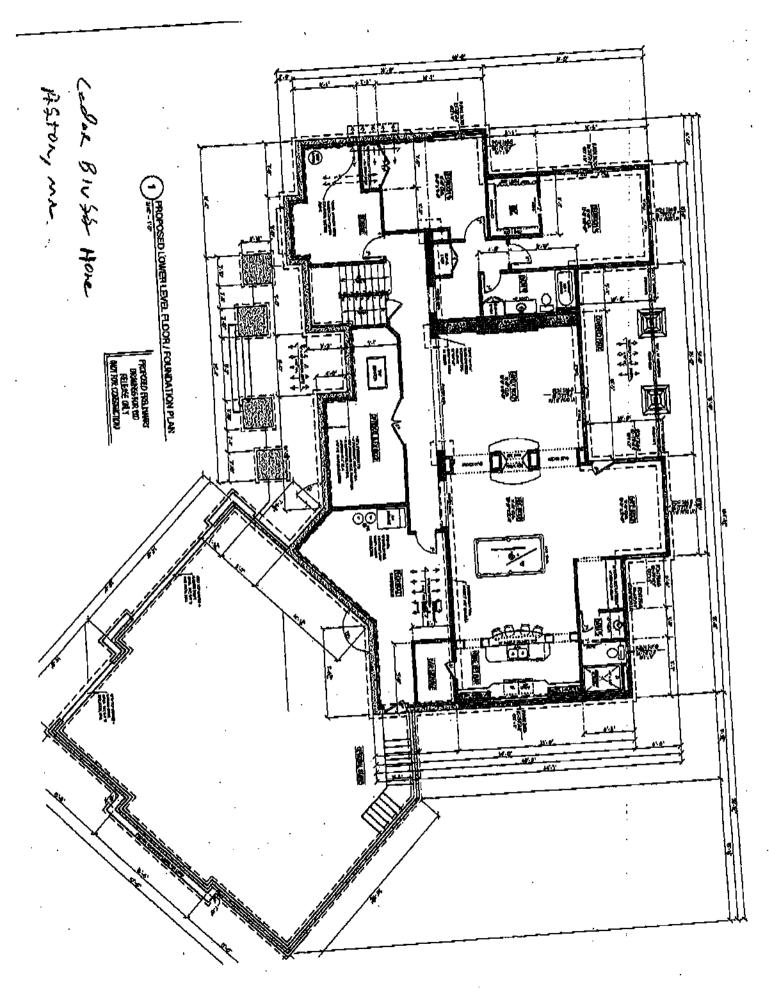
										
١,	TRENCH CONFIGURA	TION; REGIST	ered produc	TS - CHAMBER	S AND EZFLO	₩	<u></u>			
A.	initial required trench bottom area (ft²): (from 1.D)	Sidewall Absorption (inches)	Bottom Area Reduction	Bottom Area Multiplier	Design trench bottom area					
		6 to 11		1						
		12 to 17	20%	0.8						
		18 to 23	34%	0,66						
		24	40%	0.6						
В.	Registered Product:	1/	UFILTRA	rek			•			
C.	C. Select Sidewall Height: 6 inches - 15 ft									
D.). Design Bottom Area (3.A): 7297 (t²									
	Registered Width:	- 3								
F,	Minimum Designed Tr	_				<u>~~</u> ``].				
	1200 ft ² + 3 ft = 400 ft									
	Enter the Registered	•	_		4	f t				
H,	H, Number of Components = Minimum Total Length Required divided by Component Length (Round up)									
	400	ft ÷ 4	ft=	180	components					
ı.	Actual Total Trench I	.ength = Numb components	er of Compon	ents X Compoi		<i>160</i> n				
J,	Calculate Minimum le	ength per tren			g Rate: Design gal/ft =	Flow + CLR =				
K,	Select No. of Trenche	es: 4	trenci	nes			•			
Ļ,	Length per trench = 4	Actual Trench	Length + Nun	nber of Trench	es. Recommen	nded to not exceed 3.J.				
		46	90 ft+	4	gal/ft =	100 ft	• •			
M.	Select Trench Spacing	g:	ft	(typically 5 -	12 ft from cer	iter to center)				
N.	Calculate Lawn Area:	Trench Lengt	th X Trench Sp	acing = square	e feet of lawn					
		4	180 ft X	7	ft =	Z9000 ft² lawn area				
<u> </u>	mments:									
1						•				
					•					
							j			

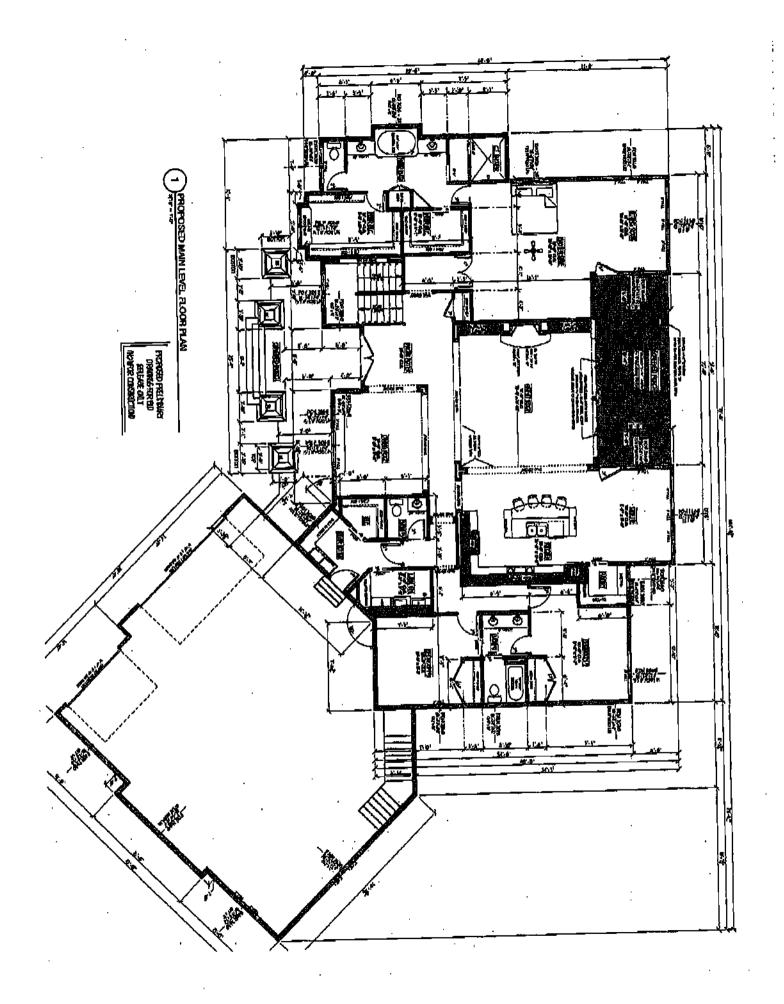


STANDARD SYSTEM DESIGN INDIVIDUAL SEWAGE TREATMENT SYSTEM

WASHINGTON COUNTY PUBLIC HEALTH & ENVIRONMENT 14949 62ND STREET NORTH, P.O. BOX 6, STILLWATER, MN 55082-0006 651/430-6688 OR 651/430-6655 FAX 651/430-6730

651/430-6688 OR 651/430-665	55 FAX 651/430-6730
Owner's Name TOM+ BRUNDA LASKA	Geo Code
Job Site Address 2685 MEADOW POIDY	- PASS
City or Township AFTOW	
Use of Building POME	
	,
Design Flow Rate 600 Perc Rate 02.00	Land Slope 2,5 Percent
Two Required Tank Sizes 1500 Gallons 1000 Gallons	
	MINORD OR CHAMBERS
1200	ineal Feet 3 -Trench Width
Depth of rock below pipe	Depth of Rock Above Pipe
MINimum Depth of Trench From Existing Grade Inches	MAXimum Depth of Trench From Existing Grade / 24 Inches
Recommended Number of Trenches	Recommended Length of Trenches 60
Trench Spacing Measured Center to Center 7	Feet
Any Other Special Conditions FILTER + ALARM	IN SECOND THAN
IF PRESSURE DISTRIBUTION IS USED, COMPLETE THE PRI	ESSURE DISTRIBUTION WORK SHEET ATTACHED.
This design must be accompanied by a site plan that clearly shows the le	ocation of the area tested and approved by the following
Use an appropriate scale and indicate direction by use of a north	
 Show ALL property boundaries, rights-of-way, easements, wetle be required. 	
3. Show location of house, garage, driveway and all other improved	ments existing or proposed.
 Show location and layout of sewage treatment system. 	
5. Show location of water supply (well and/or community supply li	ine).
Dimension all setbacks and separation distances.	
This system has been designed by a Pollution Control Agency (PCA) Certi	i C. J. Du. C
Designer Name TOWN BUSCOW	~ e20
Address 13254 2014 81 N	PCA Certification # 3 87 Phone # 436 5326
Signature Buli	0 70. 7018
	Date 0 20 20 D





			
BORING NO. I	EORING NO. 2	BORING NO. 3	BORING NO. 4
DEPTH SOIL IN DESCRIPTION	DEPTH SOIL IN DESCRIPTION	OEPTH SOIL. IN DESCRIPTION	DEBTH SOIL NO DESCRIPTION
0-4 51/ lone	0 511+	0 3:17	0-6 Silt lame
1/2	1/2 Jome	1/2 10ME	1/2
1 Sunty 301. 11/2 10 me rocks	11/2 Sandy	11/2 SUNDY	11/2 SONU 4
2-73 10 ME 120	21/2 - 07	2 30 1 rock	21/2 3/) /rack
3 loney	3 30 1 POCK	3 1/2 loney	3 1/2 loney
31/2 Sunt	4 (11.41)	- 4 SUND	4 30nd
5 Sand	5 10 MR	5 Only	5 loney
51/2	51/2 SANA	51/2 Sun/	51/2 SONA
6 6 6 1/2	61/2	6 6 6 6 1/2	61/2
7	7	7	7
71/2	71/2	71/2	71/2
8	8 1/2	8 81/2	81/2
9	9	9	9

U of MN Onsite Sewage Treatment Program Soil Boring Log

			12-60 sup	27-48 Gard	2-27 Sands	0-8 Silt	Depth (in) Texture	Weather conditions/Time of Day:	Vegetation:	Landscape Position: (circle one)	Soil Parent Material(s): (circle all that apply)	3	Client/ Address:	
			7 10/43	7 10 4/3	Jos. Rose 10 3/3	t 10 %	ıre Matrix Color(s)	ns/Time of Day:		on: Summit	rial(s): Till Outwash at apply)	Ove By	Code-M	Attor
	, , , , , , , , , , , , , , , , , , , ,		R	E.	<i>M</i>	2	Mottle Color(s)		Soil Survey Map Unit(s):	Shoulder I	Lacust		- Marchan ? I	į
3	Concentrations Depletions Gleyed	Concentrations Depletions Gleyed	Concentrations Depletions Gleyed	Concentrations Depletions Gleyed	Concentrations Depletions Gleyed	Concentrations Depletions Gleyed	Redox Kind(s)		ip Unit(s):	Back/Side Slope	ine Alluvium		Legal Description/GPS:	
-							Saturated Soil Indicator(s) (see back)			Foot Slope T	Loess Organi		GPS:	
a sacebook of the	Granular Platy Blockly Blockly Prismatic Single Grain Massive	Granular Platy Blocky Prismatic Single Grain Massive	Granular Platy Blocky Prismatic Single Grain Massure	Granular Platy Blocky Prismatic Single Grain	Granular Platy Blocky Prismatic Single Grain Massive	Plantar Planta	IShape	Slope Shape:	Slope (%):	Toe Slope	Organic Matter Bedrock			
-	Weak Moderate Strong Loose I	Weak Moderate Strong Loose	Weak Moderate Strong Loose	Weak Moderate Strong Loose	Weak Moderate Strong Loose	Weak Wooderate Strong Loose	Structure	12				P-Cohe	Date:	
	Loose Friable Firm Extremely Firm Rigid	Loose Friable Firm Extremely Firm Rigid	Loose Friable Fund Extremely Firm Rigid	Loose Friable Firm Extremely Firm Rigid	Loose Firm Firm Extremely Firm Rigid	Loose Refable Firm Extremely Firm Rigid	I Consistence					وسعت	3/	

Comments:

massue at 48-60

page 1

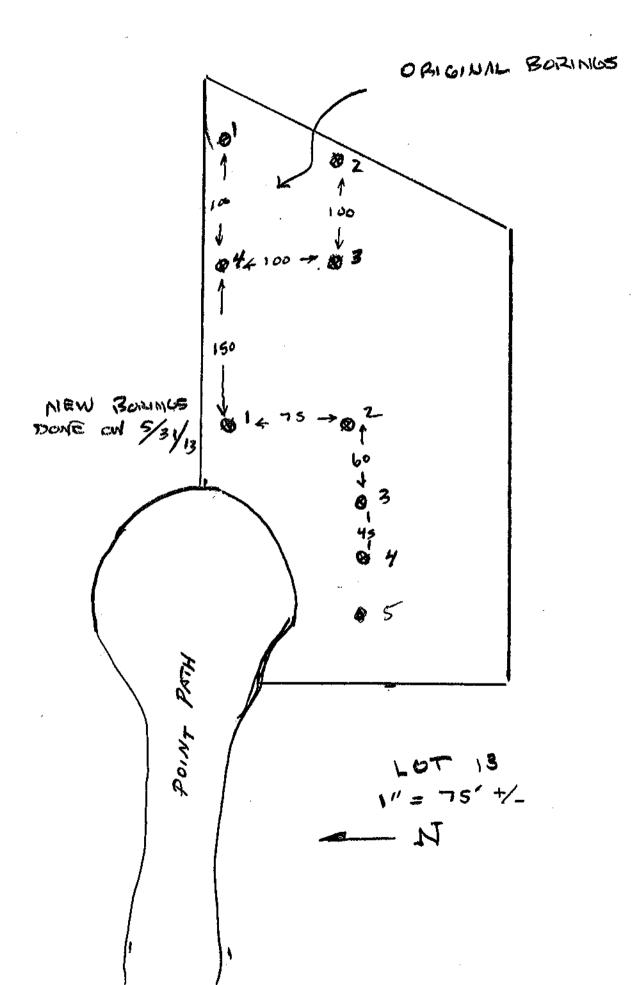
FAX 4306485 MY WIFE TRIED TO SOND THE FORMS + COULDNOT.

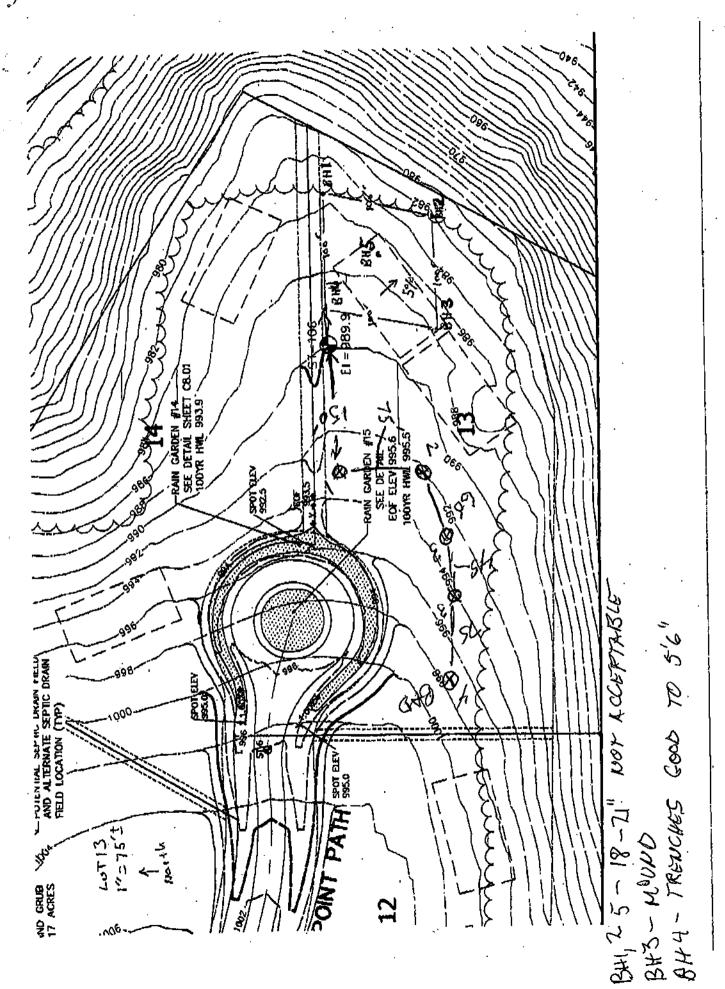
I WENT TO THE UCK M WEESITE TO BET ON THE FORMS, AND I GOT THE FOLLOWING:

MICROSOFT EXCER HAS EPCOUNTERED A PROBLEM + MEETS 70 CLOSE-11

WE SPENT ALMOST TWO HOURS YRYING TO DO THIS TO NIGHT

/ John







SEPTIC PERMIT APPLICATION

Washington County Department of Public Health & Environment 14949-62nd St N, P.O. Box 6, Stillwater MN 55082-0006 651.430.6655 FAX: 651.430.6730

LOT 13 2013

PERMIT NUMBER

			PROPER	TY & APPI	LICANT II	NFORM	ATION	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
PROPE	ERTY ADDRESS	s: 2685 MB	ADOW	POINT	PAGS	GEOCODE:	1802	8203	10026
USE C	OF BUILDING:	SINGLE FAMILY HOM	NE 🗀	NON-SINGLE FA		APPLICATION		₩ NEW	☐ REPLACEMENT
ļ <u> </u>		······································		AP	PLICANT	· .	···-		
	(S) 764N	RUBLOW	ADDRESS /	3264 20	774 gr	70		PHONE NUMBI	ER(S)
NAME	BYCAVA	HING WC		THEATEN			082	43	6 5326
				WNER (IF DIFFE			<u> </u>		· · · · · · · · · · · · · · · · · · ·
114115	in Univ.	D-0. 1 A . 1 M A. 1		3239			·····	PHONE NUMBI	ER(S)
MAME	1317CMFE	BRENDA LAGKA	CITY A	TON	Z	IP 550			2306
				SYST	ЕМ ТҮРЕ				
91		(Trenches, Pressure Bed, Moun		[] T	YPE 11 SYSTEM (F	loodplain, Ho	lding Tanks, P	rívy)	☐ TYPE III SYSTEM
] □	TYPE IV SYSTEM	A (System using Registered Proc	ducts)	☐ TYPE V SY	'STEM	□ MS	STS (>5,000 GP	PD) 🗆 (LOT SPLIT
	DRAINFIELD	D PRESSURE BEO	☐ MOUND	D A	T-GRADE	(i) TA	ANK REPLACEM	ENT 🗀 S	SUBDIVISION REVIEW
				FEE SCHE	DILLE - 2	012			
590×7580.60	e aleksisti kan kosina ma	vanamentingeraliksikalikariti addiren	riter Adolesia e Associatio				a state and district charges in an	de marana	
200				SESTINATIVA	Meet West W	11)		indext of d	
		VIEW APPLICATION FEE*				\$285)		700
		s not apply to: Reissuance c iit or Subdivision Approval, c	•	,	,			APPLICATION	N FEE: 285,
II .		PRIVY OR HOLDING TANK	,			\$117		\	
II .		DRAINFIELD OR PRESSURE 8	ED			\$300	3/ (C) -		
II .		MOUND OR AT-GRADE		Sand Sand	2 Can # 2 H Hai	\$480	$\pm V$	1	
		ION SINGLE FAMILY			EIVE		$\frac{1}{2}$ $\frac{1}{2}$		F7000
		GALLONS PER DAY				\$730	\/	PERMIT	T FEE: 300,
		000 GALLONS PER DAY		ΔUG	2 0 2013	\$875			
		5000 GALLONS PER DAY		Hou		\$1,100			
		989 GALLONS PER DAY	be	PIRI	CHEA				•
ļ		GALLONS PER DAY OR G			APGA PPRANT	OTHER			
	PERMIT FEE -	HOLDING TANK REPLACEME	NT (NO SOIL TES	T/SITE REVIEW)		\$117			
	PERMIT FEE -	SYSTEM ABANDONMENT				\$117			
	PERMIT FEE -	REISSUANCE OF EXPIRED PE	RMIT			50% of perr	mit fee (does	not include in	nitial soil/site review fee)
	Make Checks	Payable to WASHINGTON Co	YTNUC		TOTAL PE	RMIT FEE =	APPLICATION	FEE + PERMIT	FEE: <u>685,</u>
	MOVEMEN		7421177	SUBDIVIS	ON BEAWL		Water Same	rye o was	a britani pisa karangan a
	SUBDIVISION S	SOIL/SITE REVIEW-APPLICAT	ION FEE	63.90.90.99.00.90.00.00.00.00.00.00	\$200 + \$85	CONTO S 2011 - SP 0227	CHRDIVICION	I REVIEW BASE	FFF:
	LOT SPLIT API				\$200 + \$85		30021113101		<u></u>
					V200 · V 00	721(20)	LOTS:	X \$85 PEI	RIOT
	Make Checks i	Payable to WASHINGTON Co	OUNTY		TOTAL SUBDIA	HSIÓN REVIE	WOR LOT SE	PLIT APPROVAL	. FEE;
The follo	owing exhibits are	required as part of the application	n and shall be atta	ched hereto: Percola	stion Test Reports	; Soll Boring Lo	ogs; Site Plan dr	awn to scale show	ring location of buildings, lot lines,
percolat	ion test holes, soi	il boring holes, proposed location of	of system and locat	tion of well(s); one (1) copy of the Sys	tem Design; an	nd one (1) copy o	of the Final Buildi	ng Plan. The house and drainfield
areas int	ust be staked. Ind	accurate or Incomplete information	i will result in deta	sys in processing.				•	
AGREEM	ENT: The unders	igned hereby makes Application fo	r Permit to Install	or Extend the Sewas	e Treatment Syst	em herein spec	ified, agreeing i	that all work shall	be done in strict accordance with
ordinanc	es and regulation:	is of the County of Washington, Min	inesota. Applicani	agrees that the Site	Plan, Sketches, a	and Design subr	mitted herewith	, and which are re	eviewed by Washington County.
reasonah	r with any require. Ne times, to Wash	ments and/or restrictions made ne	cessary by conditi	ons peculiar to a par	ticular location, s	shali become pa	art of the permi	t. Applicant furth	ner agrees to provide access, at led and accepted. APPLICATION IS
FOR AN	INSTALLATION A	T A SPECIFIC LOCATION; ANY DEV	NATION FROM TH	E APPROVED LOCATI	ION WILL VOID TH	rystem snambe HE PERMIT. It	shall be the res	nas been inspect ponsibility of the	applicant for the permit to notify the
Office of	f the Washington (County Department of Public Healt	h & Environment t	hat the installation i	is ready for inspec	tion.		-	
PERMITS	WILL NOT BEICE	SUED ONCE FROZEN GROUND CON	IDITIONIC EVICT du	o to the inshiller be					
probe, a	r any other device	e that can penetrate the frozen so iew and approve or deny the permi	il to allow Washing	ton County to condu	conduct soil review.	in accordance	with Minnesota	statute 15.99, Sul	bdivision 2, Washington County has up
		e to be true and correct. I hereb		noton County for	tmont of Bublic L	dealth & Fee-	onmont	rion to o-t	
business	hours for the pu	rpose of determining the suitable	ity p∮the locatio	ngton county pepar n, design, and const	anent of Public t truction, which m	season et ENVIRO Nav include mi	coment permis: Inor excavation	sion to enter upo s or solt borines h	n my property during normal ov the Denartment
				<u>.</u>				7. ZC	
j .		Mul	1) . 20		· (~)
		Signature of Applicant	(Owner or Co	ntractor)				Date	·



Department of Public Health and Environment

14949 62nd Street North PO Box 6 Stillwater MN 55082-0006

Office: 651-430-6655

TTY: 651-430-6246 Facsimile Machine: 651-430-6730

Receipt

Number:

2332

Date:

8/20/2013

Check Number:

28584

Received For:

Application #01001312

Application Type:

Drainfield

Property Address:

2685 Meadow Point Path

Community:

Afton

Received From:

Interior Care & Construction

451 Commerce Drive Ste 800

Woodbury MN 55125

Dea	scr	ıptı	0	ľ	1	
 		<u>·</u>		-		-

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