



November 6, 2023

Electronic Delivery

Sudbury Conservation Commission DPW Building 275 Old Lancaster Road Sudbury, MA 01776

Re: Response to Public Hearing Comments Notice of Intent Application DEP File #: 301-1404 200 Concord Road (Property ID: J09-0025) Sudbury, Massachusetts

[LEC File #: CBRE 23-410.04]

Dear Ms. Capone and Members of the Conservation Commission:

In an effort to address the Commission's comments at the October 30, 2023 Public Hearing, the Applicant and Property Owner, David Fitzgerald, has prepared the attached November 6, 2023 Letter (Attachment A) to the Commission providing additional information relative to the site conditions associated with the septic system in the front yard to be abandoned, and the septic system in the rear yard to be expanded in order to meet Title V standards.

This letter includes receipts from Mr. Fitzgerald's septic maintenance company documenting routine maintenance of the systems over the years; a sketch plan depicting the various setback requirements that limit reconstruction and expansion of the septic system in the front yard; soil test pit data indicating high groundwater in the front yard (soil mottling observed at 35 inches); and the Title V Inspection Form for the septic system in the backyard. Since the October 30, 2023 Public Hearing, the Board of Health issued the Disposal System Construction Permit on November 2, 2023 for the proposed expansion of the septic system in the backyard. A copy of this Permit is also included in Mr. Fitzgerald's Letter.

The service records show regular pumping of the septic system, which limits the stress on the septic leaching field. When the system eventually does require replacement, it appears that the septic leaching field can be rotated roughly 90 degrees and elongated to maintain a minimum 50-foot setback from the BVW boundary.

Additionally, Mr. Fitzgerald is committed to re-vegetating roughly 1,000 square feet of existing lawn area located within and adjacent to the drainage ditch/stream located along the southern property boundary. This area will be re-vegetated with eight native sapling trees and thirty native shrubs as further detailed on the attached *Planting Exhibit Sketch*, dated November 6, 2023, prepared by LEC.

LEC Environmental Consultants, Inc.

12 Resnik Road Suite 1 Plymouth, MA 02360 508.746.9491

380 Lowell Street Suite 101 Wakefield, MA 01880 781.245.2500

100 Grove Street Suite 302 Worcester, MA 01605 508.753.3077 P.O. Box 590 Rindge, NH 03461 603.899.6726 680 Warren Avenue Suite 3 East Providence, RI 02914

www.lecenvironmental.com

PLYMOUTH, MA

WAKEFIELD, MA

WORCESTER, MA

RINDGE, NH

EAST PROVIDENCE, RI

401.685.3109



Thank you for your consideration of this additional information. We look forward to meeting with you at the November 13, 2023 Public Hearing. Should you have any questions, please do not hesitate to contact me in our Wakefield office at 781-245-2500 or at rkirby@lecenvironmental.com.

Sincerely,

LEC Environmental Consultants, Inc.

Richard A. Kirby Senior Wetland Scientist

Nice m fouran

Nicole M. Ferrara Wetland Specialist

cc: DEP, Northeast Region David Fitzgerald Gala Simon Associates, Inc.

Attachment A

November 6, 2023 Letter prepared by David Fitzgerald

David & Mia Fitzgerald 200 Concord Road, Sudbury, MA 01776 617.620.2312 david.fitzgerald@cbre.com

November 6, 2023

Sudbury Conservation Commission Attn. Ms. Lori Capone, Conservation Coordinator Department of Public Works Building 275 Old Lancaster Road Sudbury, MA 01776

Re: Notice of Intent: 200 Concord Road, DEP #301-1404

Dear Ms. Capone,

To follow up the October 30 meeting, we are providing additional information that you and the Commission Members requested regarding the condition of our existing septic system in the backyard.

We have annually pumped the septic as well as boost with CCLS additives to increase bacteria levels in the tank. Wind River Environmental work orders from 2014 - 2018 are attached, which is the limit of the records they could access. We can attest, to the best of our knowledge, that we maintained the system in the same fashion since we purchased the property in 2004.

We switched maintenance service to Fairbank Septic in 2019. We did not maintain the annual pumping during Covid, although during this time period Dr. Mia Fitzgerald was the only person in the dwelling and only for 2 or 3 nights per week. Subsequent to Covid, Fairbank Septic renewed pumping the septic and found normal levels.

Fairbank Septic, who will attend the hearing, has advised us that the system is in very good condition and the expected life space for the system is extended because it is a pump system that has been well maintained. In Jon's view, expanding the existing leach field to accommodate the office is the best option in view of the failed front septic.

Sudbury Conservation Commission November 6, 2023 Page 2

There is no failed Title V form for the front yard septic system as this process was initiated through the voluntary inspection protocol. The attached boring results which we requested do verify the groundwater issue in the front of the office which led to the conclusion that the septic system would fail a test.

We have also reexamined the feasibility of leaving the septic system in the front yard and confirmed that is not a viable option because of the inadequate space after considering the setback requirements. Please see the attached plan which outlines the setbacks.

We are available to answer any additional questions or provide any additional information you require in advance of the meeting on November 13.

Respectfully submitted,

David Fitzgerald

Cc: Rich Kirby Al Gala Jon Fairbanks Mia Fitzgerald Sudbury Board of Health

Attachments: Wind River Invoices 2014-2018 Septic plan front yard with setbacks Soils and groundwater test Title V test Disposal System Construction Permit, Sudbury Board of Health

Work Order # 0208171279 Cust # 3156		5	Customer Since: 1968		Tax: 0.0000 %	
HOME OR GONE; N Service 1000gal cov TECH cc in office (S little digging; HOME/	7 **REQ MIKE RD LITTLE DIGGING;	Normal water level. Light top solids. Light bottom sludge. Both baffles are intact. Main line Clear. No filter is present on the tank. Recommended Boost additive, CCLS additive, Installing a filter. Cover(s) secured. Pump1000 gallons proper level light solids light sludge recomend WRE ADDITIVES service system every year lid secure. 6/21/16 Proper level, light solids and sludge. Boosted tank, rec continued				
Mia & David Fitzgera 200 Concord Road Sudbury, MA 01776 617-620-2312		System Owner	Primary Home 200 Concord Sudbury, MA Fitzgerald M.j	Road	System Location	
Service Date:	Jun 06/19/2018 12:00 AM	Frequency:			Call to Confirm:	
Service Type:	Septic Tank	Previous Service:	06/20/2017			
Approx. Gals.:	1500	System Treatment:	06/21/2016		Location Details	
Depth Below:	0	Custom Clean:				
Cust Home:	NO	Filter:				
Township:		Inspection/T5:				
County:	Middlesex	Build Up:				
	Description	Qty	Unit Price	Ext. Price		
zPumping 1001 - 15	00	1.00	\$418.0099	\$418.01	We suggest these 3 keys step to	
Environmental Comp	pliance - Residential	1.00	\$21.9500	\$21.95		
			Cultural	£400.00	 Regular servicing Use System Septic Treatment 	
			Subtotal: Tax:	\$439.96 \$0.00	Additive	
			Total:	\$439.96	Use a filter	
Disposal Site: NEM	O Yard	12.20			Payment Detail:	
Disposal Volume: 1	500.00	Waste Code: Pu	mpSeptic		Check	
Sales Rep:		CSR : Jen Dever	ney		Due on Receipt	
Technician: Thomas	s Prendiville	On Site : 7:58 AM			PO Number :	

Tech Notes:

System Operating Fine. Normal water level. Moderate top solids. Moderate bottom sludge. Both baffles are intact. Main line Clear. No filter is present on the tank; current tank is not designed to be used with a filter. Recommended Boost additive, CCLS additive. Cover(s) secured. Backwashed to remove sludge recommend yearly service and wre bacteria to keep system healthy.

Customer not on site

Customer Signature

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Work Order # 0257045833 Cust # 3156		Customer Sin	ce: 1968	Tax: 0.0000 %				
Job Comments 06/20/2017 **REQ MIKE COLE** SERVICE 1000 GAL COVER FRONT YARD LITTLE DIGGING; HOME OR GONE; NO ALT#; CHECK TO TECH (AC) 06/21/2016 Service 1000gal cover front yard little digging (quoted) HOME/ CHECK TECH cc in office (SG) 06/16/2015 service 1000gal. cover in front yard little digging; HOME/CHECK (CD) 07/21/2014 Install riser on outlet boost tank and leave CCLS / Tech Ray Michaud / Re-Call Pre-paid 7/8/14 / bd				Tech Comments 6/21/16 Proper level, light solids and sludge. Boosted tank, rec continued use of CCLS and svc yearly. Lids secure MC/sc 6/16/15 Proper level. Solids and sludge normal. Boosted tank. Service yearly. (PJ) sk 7/21/14 not possible to install riser in outlet side, eclectircal line crossing on top of the cover and next to cover is sprinkler line. recd relocating both lines. boosted tank. office follow up GV/js				
System Owner Mia & David Fitzgerald 200 Concord Road Sudbury, MA 01776 617-620-2312				Primary Home 200 Concord Road Sudbury, MA 01776 Fitzgerald M.J. : 978-443-2644				
Jun 06/20/2017 12:00 AM	Frequency:			Call to Confirm:				
Septic Tank	Previous Service:	06/21/2016						
1500	System Treatment:	06/21/2016		Location Details				
0	Custom Clean:							
NO	Filter:							
	Inspection/T5:							
Middlesex	Build Up:							
Description	Qty	Unit Price	Ext. Price					
)	1.00	\$329.4669	\$329.47	We suggest these 3 keys step to				
bliance - Residential	1.00	\$19.5000	\$19.50					
		Subtotal	\$249.07	 Regular servicing Use System Septic Treatment 				
				Additive Use a filter				
		Total:	\$348.97	• Use a litter				
W Yard			-	Payment Detail:				
500.00	Waste Code: I	PumpSeptic		Visa				
	CSR : Lee Col			Due on Receipt				
nd LaChapelle	On Site : 8:59 AM			PO Number :				
	MIKE COLE** SERVICE 1000 SING; HOME OR GONE; NO A D16 Service 1000gal cover from ECK TECH cc in office (SG) 0 nt yard little digging; HOME/C ser on outlet boost tank and le re-paid 7/8/14 / bd ald Jun 06/20/2017 12:00 AM Septic Tank 1500 0 NO Middlesex	Job Comments MKE COLE** SERVICE 1000 GAL COVER FRONT Diage and the approximate of the a	Job Comments INKE COLE** SERVICE 1000 GAL COVER FRONT ING: HOME OR GONE; NO ALT#; CHECK TO D16 Service 1000gal cover front yard little digging ECK TECH cc in office (SG) 06/16/2015 service nt yard little digging; HOME/CHECK (CD) ser on outlet boost tank and leave CCLS / Tech Ray re-paid 7/8/14 / bd 6/21/16 Prope us of CCLS 3 Solids and slu of possible to of the cover a boosted tank. ald System Owner Primary Home 200 Concord 1 Sudbury, MA Fitzgerald M.j Jun 06/20/2017 12:00 AM Frequency: Septic Tank Previous Service: 06/21/2016 1500 NO Filter: Inspection/T5: Middlesex 06/21/2016 Build Up: Description Qty Unit Price 1.00 Subbid 1.00 \$329.4669 500.00 W Yard Soubtotal: Tax: Total:	Job Comments MIKE COLE** SERVICE 1000 GAL COVER FRONT SING; HOME OR GONE; NO ALT#; CHECK TO D16 Service 1000gal cover front yard little digging ECK TECH cc in office (SG) 06/16/2015 service in ty ard little digging; HOME/CHECK (CD) ser on outlet boost tank and leave CCLS / Tech Ray 6/21/16 Proper level, light so use of CCLS and svc yearly. Solids and sludge normal. B not possible to install riser in of the cover and next to cove boosted tank. office follow up re-paid 7/8/14 / bd ald System Owner Jun 06/20/2017 12:00 AM Frequency: Septic Tank Jun 06/20/2017 12:00 AM Frequency: Septic Tank NO Filter: Inspection/T5: Middlesex NO Filter: Inspection/T5: Middlesex Description Qty Unit Price Ext. Price Subtotal: Subtotal: \$348.97 Tax: \$0.00 W Yard 500.00 Waste Code: PumpSeptic CSR : Lee Colaianni				

Tech Notes:

Normal water level. Light top solids. Light bottom sludge. Both baffles are intact. Main line Clear. No filter is present on the tank. Recommended Boost additive, CCLS additive, Installing a filter. Cover(s) secured. Pump1000 gallons proper level light solids light sludge recomend WRE ADDITIVES service system every year lid secure.

Customer not on site

A	
Customer	Signature

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WIND RIVER ENVIRONMENTAL

Work Order # 0257033923 Cust # 3156			Customer Sin	ce: 1968	Tax: 6.2500 %		
riser on outlet boost Pre-paid 7/8/14 / bd **HOME IN OFFICE reschedule with cust tank can be done pe digging in front yard MON CAT EMERG up service 1000gals	5 service 1000gal. 5D) 07/21/2014 Install Ray Michaud / Re-Call service see diagram sent to MP Need to fice and residential e 1000 gals; Little CHECK (BM) 07/26/10 3-982-0679** backing ECK JD 4/30/09 / CHECK in office 978-	6/16/15 Proper level. Solids and sludge normal. Boosted tank. Service yearly. (PJ) sk 7/21/14 not possible to install riser in outlet side, eclectircal line crossing on top of the cover and next to cover is sprinkler line. recd relocating both lines. boosted tank. office follow up GV/js 7/8/14 service septic at proper working levels, heavy solids and sludge. Recmd boost and ccls to raise bacteria levels to break these down and reinvigorate the system. Also recmd a riser for the outlet cover. service every 12-18m. (RM) sk					
Mia & David Fitzger 200 Concord Road Sudbury, MA 01776 617-620-2312		System Owner	Primary Home 200 Concord I Sudbury, MA Fitzgerald M.J.	Road	System Location		
Service Date:	Jun 06/21/2016 12:00 AM	Frequency:			Call to Confirm:		
Service Type:	Septic Tank	Previous Service:	06/16/2015				
Approx. Gals.:	1500	System Treatment:	06/21/2016		Location Details		
Depth Below:	0	Custom Clean:					
Cust Home:	NO	Filter:					
Township:		Inspection/T5:					
County:	Middlesex	Build Up:					
	Description	Qty	Unit Price	Ext. Price			
zDigging per 6 inche	es. First 6 Inches Free.	0.00	\$0.0000	\$0.00			
OS-R-Pumping 100	0	1.00	\$307.9130	\$307.91			
Boost of 1000 Gal C		1.00	\$197.6380	\$197.64	We suggest these 3 keys step to		
Environmental Com	pliance - Residential	1.00	\$19.5000	\$19.50	Regular servicing		
			Subtotal:	\$525.05	Use System Septic Treatment		
			Tax:	\$12.35	 Additive Use a filter 		
			Total:	\$537.40	- Use a line		
Disposal Site: NEM	IW Yard				Payment Detail:		
Disposal Volume:	1000.00	Waste Code: PumpSeptic			Visa		
Sales Rep:		CSR : Kelly Bohane		Due on Receipt			
Technician: Michae	Cole	On Site : 9:54 AM			PO Number :		
		the second se					

Tech Notes: 6/21/16 Proper level, light solids and sludge. Boosted tank, rec continued use of CCLS and svc yearly. Lids secure MC/sc

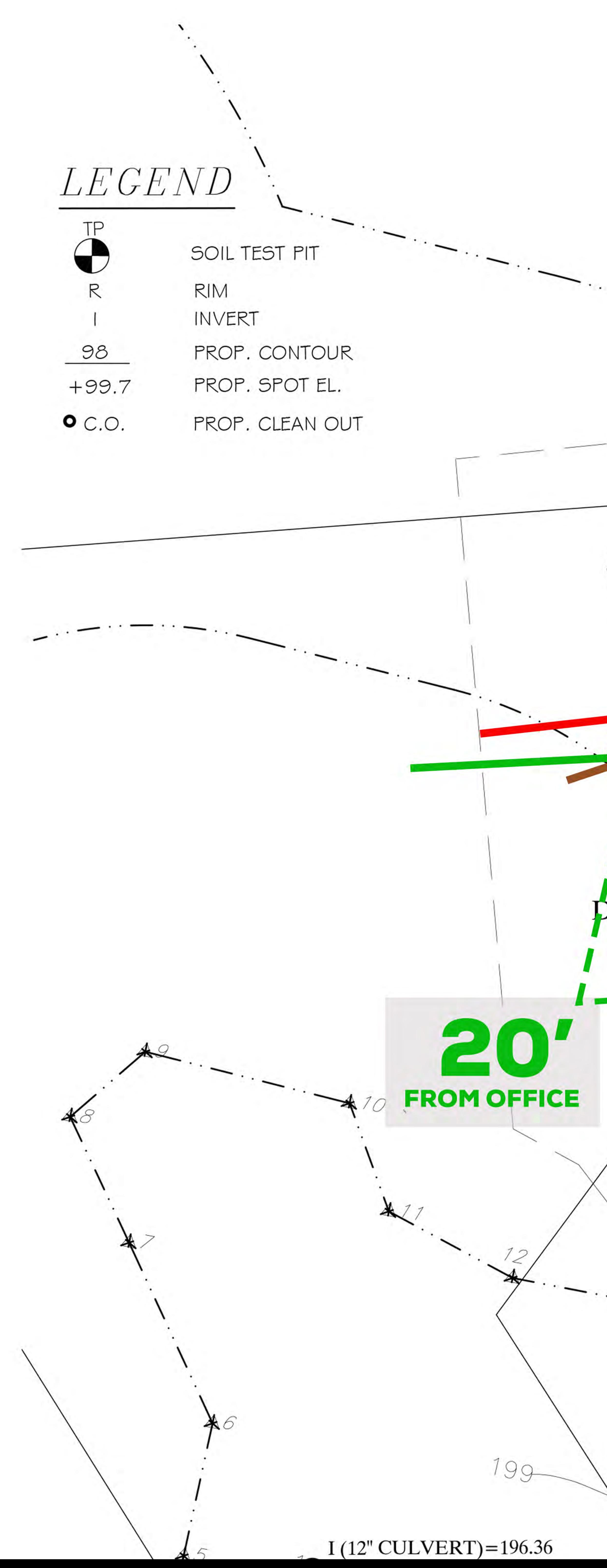
Work Order # 02570	024070 Cust # 3156	6	Customer Since: 1968	Tax: 6.2500 %			
HOME/CHECK (CD leave CCLS / Tech I 07/08/2014 service JD Moved to Cats fo for a date when both (AB) 06/13/2014 Se 443-6081 HOME/CH 508-651-0529 OR 5 front yard HOME/CH front yard HOME/C	1000gal. cover in front yard litt) 07/21/2014 Install riser on ou Ray Michaud / Re-Call Pre-pai 1000gals service see diagram or now- sent to MP Need to res noffice and residential tank ca rvice 1000 gals; Little digging i HECK (BM) 07/26/10 MON CA 08-982-0679** backing up ser HECK JD 4/30/09 THURS 100 HECK in office 978-443-6081 ging front yard HOME/CHECK	utlet boost tank and id 7/8/14 / bd **HOME IN OFFICE / schedule with customer in be done per Ray in front yard; ALT; 978- T EMERG **CALL vice 1000gals digging 0 gals some digging (ea) 4/28/09 TUE CAT	7/21/14 not possible to install riser in outlet side, eclectircal line crossing on top of the cover and next to cover is sprinkler line. recd relocating both lines. boosted tank. office follow up GV/js 7/8/14 service septic at proper working levels, heavy solids and sludge. Recmd boost and ccls to raise bacteria levels to break these down and reinvigorate the system. Also recmd a riser for the outlet cover. service every 12-18m. (RM) sk 10/14/10: Located pump chamber, tied up floats @ proper level, installed build up on pump chamber, 3" bg, repaired sprinkler line (eb)				
Mia & David Fitzgera 200 Concord Road Sudbury, MA 01776 617-620-2312		System Owner	Primary Home 200 Concord Road Sudbury, MA 01776 Fitzgerald M.j. : 978-443-264	System Location			
Service Date:	Jun 06/16/2015 12:00 AM	Frequency:		Call to Confirm:			
Service Type:	Septic Tank	Previous Service:	07/21/2014	-			
Approx. Gals .:	1500	System Treatment:	06/21/2016	Location Details			
Depth Below:	0	Custom Clean:		and the second second			
Cust Home:	YES	Filter:					
Township:		Inspection/T5:					
County:	Middlesex	Build Up:					
D	escription	Qty Unit Price Ext. Price					
OS-R-Pumping 100	0	1.00 \$2	93.2500 \$293.25				
Fuel Surcharge Res	idential		19.5000 \$19.50	We suggest these 3 keys step to			
Boost 2 Units		1.00 \$	97.8640 \$97.86	Regular servicing			
			Subtotal: \$410.61	Use System Septic Treatment			
			Tax: \$6.12	Additive Use a filter			
			Total: \$416.73				
Disposal Site: WSG		12 1000		Payment Detail:			
Disposal Volume: 1000.00		Waste Code: Pump	Septic	Check			
Sales Rep:		CSR : Cassandra De	epaolo	Due on Receipt			
Technician: Paul Ja	lilet	On Site : 9:29 AM	Construction of the second sec	PO Number :			

Tech Notes: 6/16/15 Proper level. Solids and sludge normal. Boosted tank. Service yearly. (PJ) sk

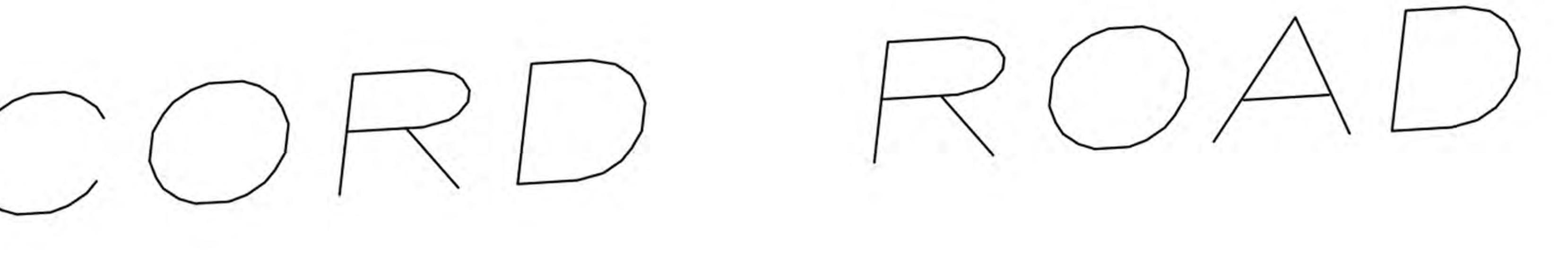
Work Order # 02570	Vork Order # 0257017138 Cust # 3156			ce: 1968	Tax: 0.0000 %		
Michaud / Re-Call P service see diagram sent to MP Need to and residential tank gals; Little digging in 07/26/10 MON CAT backing up service 4/30/09 THURS 100 office 978-443-6081 yard HOME/CHECK	ved to Cats for now- a date when both office /13/2014 Service 1000 81 HOME/CHECK (BM) 29 OR 508-982-0679** OME/CHECK JD d HOME/ CHECK in gals some digging front a) 5/4/07 FRI AM serv e, HOME/CHECK, (dd)	7/8/14 service septic at proper working levels, heavy solids and sludge. Recmd boost and ccls to raise bacteria levels to break these down and reinvigorate the system. Also recmd a riser for the outlet cover. service every 12-18m. (RM) sk 10/14/10: Located pump chamber, tied up floats @ proper level, installed build up on pump chamber, 3" bg, repaired sprinkler line (eb) 10/14/10: Located pump chamber, tied up floats @ proper level, installed build up on pump chamber; 3" bg, repaired sprinkler line (eb)					
Mia & David Fitzger 200 Concord Road Sudbury, MA 01776 617-620-2312		System Owner	Primary Home 200 Concord F Sudbury, MA (Road	System Location		
Service Date:	Jul 07/21/2014 12:00 AM	Frequency:			Call to Confirm:		
Service Type:	Septic Tank	Previous Service:	07/08/2014				
Approx. Gals.:	1500	System Treatment	: 06/21/2016		Location Details		
Depth Below:	0	Custom Clean:					
Cust Home:	NO	Filter:					
Township:		Inspection/T5:					
County:	Middlesex	Build Up:					
	Description	Qty	Unit Price	Ext. Price			
Build Ups Other (up	to 18 inches)	1.00	\$209.9900	\$209.99	We suggest these 3 keys step to		
Boost of 1000 Gal C	ombo	1.00	\$188.2300	\$188.23			
			C. 1. 1. 1.		 Regular servicing Use System Septic Treatment 		
			Subtotal: Tax:	\$0.00 \$0.00	Additive		
		Total:	\$0.00	Use a filter			
Disposal Site: None					Payment Detail:		
Disposal Volume: (0.00	Waste Code: N	None		Check		
Sales Rep:		CSR : Barbara	Decosta		Due on Receipt		
Technician: Gerard	lo Valentin	On Site : 9:43			PO Number :		


Tech Notes:

7/21/14 not possible to install riser in outlet side, eclectircal line crossing on top of the cover and next to cover is sprinkler line. recd relocating both lines. boosted tank. office follow up GV/js



EXISTING SEPTIC TANK AND DISTRIBUTION BOX. PUMP, CRUSH AND BACKFILL 100 EXISTING 40' BY 15' LEACHING AREA (TO BE ABANDONED) FROM PROP -AV EROSION CONTROL/LIMIT OF WORK DRIVEWAY SX LIMIT NY/N EXISTING DENTIST POP WAY -OFFICE ____ VD V BAS. FLOOR-EL. 197.27 PROP. 4" SCH40 PVC) I=200.00 200-ARKUND A16 1.1



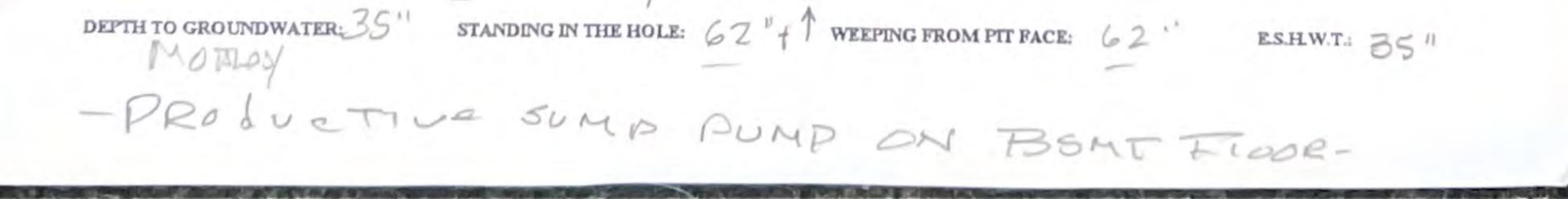


DEED HOLE # 200 CONCORD RD SUDBURY 6/7/23	
DATE: 6/23/22 TIME: 8:15 AN WEATHER: OVC-	
LAND USE: EDGE WOODS LAWN MEADOW GARDEN OTHER: BESSO SE# 165	
SLOPE: 0-3 3-8 8-15 15-25 25-35 SURFACE STONES: BOULDERS STONES COBBLES	
VEGETATION: OAK MAPLE R. MAPLE W. PINE P.PINE CEDAR FIR HEMLOCK YEW W. BIRCH Y. BIRCH ASPEN HICKORY BEECH PRNCSS. PINE GRND. PINE LEATHERLEAF HUCKLEBERRY H.B. BLUEBERRY L.B. BLUEBERRY GRASS	
LANDFORM: DRUMLIN KAME TERRACE TILL RIDGE OUTWASE PLAIN ESKER	
POSITION ON LANDSCAPE: TOP BOTTOM MIDDLE SLOPE SADDLE RIDGE	
DISTANCES FROM: OPEN WATER BODY: 100 - POSSIBLE WET AREA: 50-75 DRINKING WATER WELL: 104 DRAINAGE WAY: 5100 PROPERTY LINE: 25 DRINKING WATER WELL: 104	

DEEP OBSERVATION HOLE LOG

DEPTH	SOIL HORIZON		SOIL TEXTURE		0	SOL		SOIL MOTTLING		OTHER		
_	o									UTILLA		
0-14	BWI BWI BWI BC CI CI CI CI	V. EXI, GRAVELLY STONY COBBLY BOULDERY	FINE MEDIUM COARSE STRATIFIED	SAND LOAMY SAND SANDY LOAM LOAM SILTY LOAM SL CL LOAM	5YR 7.5YR 10YR 2.5Y 5Y 2.5Y		1 2 3 4 5 6 7 8		N. GKAIN GRANULAR MASSIVE BLOCKY PLATY	LOUSE V. FRIABLE FRIABLE SL. FIRM IN PLACE FIRM IN PLACE V. FIRM CEMENTED	FEW COMM. MANY	KOOTS TO: % GRAVEL % COBBLES % STONES % BOULDERS
L-38	BW1 BW2 BW3 EC C1 C1 C1 C1 C1 C1	V. EXT. GRAVELLY STONY COBBLY BOULDERY	FINE MEDIUM COARSE STRATIFIED	SAND LOAMY SAND SANDY LOAM LOAM SILTY LOAM SIL CL LOAM	5YR 7.5YR 10YR 2.5Y 5Y	2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	35" Molthes. 7.5423/3 HIGH CHROMA	S. GRAIN GRANULAR MASSIVE BLOCKY PLATY	LOOSE V. FRIABLE FRIABLE SL. FIRM IN PLACE FIRM IN PLACE V. FIRM CEMENTED	FEW COMM. MANY	% GRAVEL % COBBLES % STONES % BOULDERS
38 - 72"	A BW1 BW2 BW1 BC C1 C1 C1 C1	V. EXT. GRAVELLY STONY COBBLY BOULDERY	FINE MEDIUM COARSE STRATIFIED	SAND LOAMY SAND SANDY LOAM LOAM SILTY LOAM SL CL LOAM	5YR 7.5YR 10YR 2.5Y 5Y	2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 1 2 2 5YR 3 3 7.5YR 4 4 10YR 5 5 6 6 7 7 8 8	S. GRAIN GRANULAR MASSIVE BLOCKY PLATY	LOOSE V. FRIABLE FRIABLE SL. FIRM IN PLACE FIRM IN PLACE V. FIRM CEMENTED	FEW COMM. MANY	% GRAVEL % COBBLES % STONES % BOULDERS
	A BWI BW2 BW3 BC CI C2 CI C4	V. EXT. GRAVELLY STONY COBBLY BOULDERY	FINE MEDIUM COARSE STRATIFIED	SAND LOAMY SAND SANDY LOAM LOAM SILTY LOAM SL CL. LOAM	5YR 7.5YR 10YR 2.5Y 5Y		1 2 3 4 5 6 7 8	LOW CHIROMA 1 1 2 2 10YR 3 3 2.5Y 4 4 5Y 5 5 6 6 7 7 8 8	S. GRAIN GRANULAR MASSIVE BLOCKY PLATY	LOOSE V. FRIABLE FRIABLE SL. FIRM IN PLACE FIRM IN PLACE V. FIRM CEMENTED	FEW COMM. MANY	ROOIS TO: % GRAVEL % COBBLES % STONES % BOULDERS
	A BWI BW2 BW3 BC C1 C2 C1 C4	V. EXT. GRAVELLY STONY COBBLY BOULDERY	FINE MEDIUM COARSE STRATIFIED	SAND LOAMY SAND SANDY LOAM LOAM SILTY LOAM SL CL. LOAM	5YR 7.5YR 10YR 2.5Y 5Y		1 2 3 4 5 6 7 8	EEW COMMON MANY FINE MEDIUM COARSE	S. GRAIN GRANULAR MASSIVE BLOCKY PLATY	LOOSE V. FRIABLE FRIABLE SL. FIRM IN PLACE FIRM IN PLACE V. FIRM CEMENTED		KOOTS TO: % GRAVEL % COBBLES % STONES % BOULDERS
	A BWJ BC CI C2 CI C4	V. EXT. GRAVELLY STONY COBBLY BOULDERY	FINE MEDIUM COARSE STRATIFIED	SAND LOAMY SAND SANDY LOAM LOAM SILTY LOAM SL CL LOAM	5YR 7.5YR 10YK 2.5Y 5Y	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	FAINT DISTINCT PROMINENT DEPTIL: 35"	S. GRAIN GRANULAR MASSIVE BLOCKY PLATY	LOOSE V. FRIABLE FRIABLE SL. FIRM IN PLACE FIRM IN PLACE V. FIRM CEMENTED	FEW COMM. MANY	% GRAVEL % COBBLES % STONES % BOULDERS

PARENT MATERIAL: SANDS/ MO STONEC/ Whiles DEPTH TO BEDROCK: > 72"





Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Owner information is required for every page.

200 Concord Rd - House(Rear system)				
Property Address				
David & Mia Fitzgerald				
/ Sudbury City/Town	MA State	01776 Zip Code	5/23/2023 Date of Inspection	

Inspection results must be submitted on this form. Inspection forms may not be altered in any way. Please see completeness checklist at the end of the form.

A. Inspector Information

Name of Inspector		
Fairbank Septic Pumping LLC		
Company Name		
239 Nobscot Rd		
Company Address		
Sudbury	MA	01776
City/Town	State	Zip Code
978 562 4457	Si14429	
Telephone Number	License Number	

B. Certification

I certify that: I am a DEP approved system inspector in full compliance with Section 15.340 of Title 5 (310 CMR 15.000); I have personally inspected the sewage disposal system at the property address listed above; the information reported below is true, accurate and complete as of the time of my inspection; and the inspection was performed based on my training and experience in the proper function and maintenance of on-site sewage disposal systems. After conducting this inspection I have determined that the system:

- 1. 🛛 Passes
- 2. Conditionally Passes
- 3. I Needs Further Evaluation by the Local Approving Authority

Eails 4. Inspector's Signature

6/23/2023

The system inspector shall submit a copy of this inspection report to the Approving Authority (Board of Health or DEP) within 30 days of completing this inspection. If the system has a design flow of 10,000 gpd or greater, the inspector and the system owner shall submit the report to the appropriate regional office of the DEP. The original form should be sent to the system owner and copies sent to the buyer, if applicable, and the approving authority.

Please note: This report only describes conditions at the time of inspection and under the conditions of use at that time. This inspection does not address how the system will perform in the future under the same or different conditions of use.

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.





Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Owner information is required for every page. 200 Concord Rd - House(Rear system) Property Address David & Mia Fitzgerald Owner's Name

Owner's Name				
v Sudbury	MA	01776	5/23/2023	
City/Town	State	Zip Code	Date of Inspection	

C. Inspection Summary

Inspection Summary: Complete 1, 2, 3, or 5 and all of 4 and 6.

1) System Passes:

☑ I have not found any information which indicates that any of the failure criteria described in 310 CMR 15.303 or in 310 CMR 15.304 exist. Any failure criteria not evaluated are indicated below.

Comments:

The system passes. No failure criteria were observed at the time of the inspection.

2) System Conditionally Passes:

One or more system components as described in the "Conditional Pass" section need to be replaced or repaired. The system, upon completion of the replacement or repair, as approved by the Board of Health, will pass.

Check the box for "yes", "no" or "not determined" (Y, N, ND) for the following statements. If "not determined," please explain.

The septic tank is metal and over 20 years old* **or** the septic tank (whether metal or not) is structurally unsound, exhibits substantial infiltration or exfiltration or tank failure is imminent. System will pass inspection if the existing tank is replaced with a complying septic tank as approved by the Board of Health.

* A metal septic tank will pass inspection if it is structurally sound, not leaking and if a Certificate of Compliance indicating that the tank is less than 20 years old is available.

ΔΥ	□ N	□ ND (Explain below):
N/A		



Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

	200 Concord Rd - House(Rear system)				
	Property Address				
Owner information is required for every	David & Mia Fitzgerald				
	Owner's Name				
	Sudbury	MA	01776	5/23/2023	
page.	City/Town	State	Zip Code	Date of Inspection	_
					_

C. Inspection Summary (cont.)

2)	System Conditionally Passes (cont.):	
----	--------------------------------------	--

- Pump Chamber pumps/alarms not operational. System will pass with Board of Health approval if pumps/alarms are repaired.
- Observation of sewage backup or break out or high static water level in the distribution box due to broken or obstructed pipe(s) or due to a broken, settled or uneven distribution box. System will pass inspection if (with approval of Board of Health):

		broken pipe(s) are replaced	□ Y	□ N	□ ND (Explain below):
		obstruction is removed	□ Y	🗆 N	□ ND (Explain below):
		distribution box is leveled or replaced	□ Y	□ N	ND (Explain below):
N/A	A				
		stem required pumping more than 4 time will pass inspection if (with approval of the			••••
		broken pipe(s) are replaced	□ Y	🗌 N	ND (Explain below):
		obstruction is removed	Ο Υ	🗆 N	ND (Explain below):
N/A	A				

3) Further Evaluation is Required by the Board of Health:

Conditions exist which require further evaluation by the Board of Health in order to determine if the system is failing to protect public health, safety or the environment.

a. System will pass unless Board of Health determines in accordance with 310 CMR 15.303(1)(b) that the system is not functioning in a manner which will protect public health, safety and the environment:



Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

200 Concord Rd - House(Rear system)

 Property Address

 Owner

 information is

 required for every

 page.

 MA
 01776

 5/23/2023

 Date of Inspection

C. Inspection Summary (cont.)

Cesspool or privy is within 50 feet of a surface water

Cesspool or privy is within 50 feet of a bordering vegetated wetland or a salt marsh

b. System will fail unless the Board of Health (and Public Water Supplier, if any) determines that the system is functioning in a manner that protects the public health, safety and environment:

The system has a septic tank and soil absorption system (SAS) and the SAS is within 100 feet of a surface water supply or tributary to a surface water supply.

The system has a septic tank and SAS and the SAS is within a Zone 1 of a public water supply.

The system has a septic tank and SAS and the SAS is within 50 feet of a private water supply well.

The system has a septic tank and SAS and the SAS is less than 100 feet but 50 feet or more from a private water supply well**.

Method used to determine distance: N/A

** This system passes if the well water analysis, performed at a DEP certified laboratory, for fecal coliform bacteria indicates absent and the presence of ammonia nitrogen and nitrate nitrogen is equal to or less than 5 ppm, provided that no other failure criteria are triggered. A copy of the analysis must be attached to this form.

c. (Other:

Π

N/A

4) System Failure Criteria Applicable to All Systems:

You must indicate "Yes" or "No" to each of the following for all inspections:

Yes	No	
	\boxtimes	Backup of sewage into facility or system component due to overloaded or clogged SAS or cesspool
	\boxtimes	Discharge or ponding of effluent to the surface of the ground or surface waters due to an overloaded or clogged SAS or cesspool



Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

	200 Concord Rd - House(Rear system)			
	Property Address			
Owner	David & Mia Fitzgerald			
information is	Owner's Name			
required for every	Sudbury	MA	01776	5/23/2023
page.	City/Town	State	Zip Code	Date of Inspection

C. Inspection Summary (cont.)

4) System Failure Criteria Applicable to All Systems: (cont.)

Yes	No	
	\boxtimes	Static liquid level in the distribution box above outlet invert due to an overloaded or clogged SAS or cesspool
	\boxtimes	Liquid depth in cesspool is less than 6" below invert or available volume is less than $\frac{1}{2}$ day flow
	\boxtimes	Required pumping more than 4 times in the last year NOT due to clogged or obstructed pipe(s). Number of times pumped: <u>N/A</u> .
	\boxtimes	Any portion of the SAS, cesspool or privy is below high ground water elevation.
	\boxtimes	Any portion of cesspool or privy is within 100 feet of a surface water supply or tributary to a surface water supply.
	\boxtimes	Any portion of a cesspool or privy is within a Zone 1 of a public water supply well.
	\boxtimes	Any portion of a cesspool or privy is within 50 feet of a private water supply well.
		Any portion of a cesspool or privy is less than 100 feet but greater than 50 feet from a private water supply well with no acceptable water quality analysis. [This system passes if the well water analysis, performed at a DEP certified laboratory, for fecal coliform bacteria indicates absent and the presence of ammonia nitrogen and nitrate nitrogen is equal to or less than 5 ppm, provided that no other failure criteria are triggered. A copy of the analysis and chain of custody must be attached to this form.]
	\boxtimes	The system is a cesspool serving a facility with a design flow of 2000 gpd- 10,000 gpd.
		The system <u>fails</u> . I have determined that one or more of the above failure criteria exist as described in 310 CMR 15.303, therefore the system fails. The system owner should contact the Board of Health to determine what will be necessary to correct the failure.

5) Large Systems: To be considered a large system the system must serve a facility with a design flow of 10,000 gpd to 15,000 gpd.

For large systems, you must indicate either "yes" or "no" to each of the following, in addition to the questions in Section C.4.

Yes	No	
	\boxtimes	the system is within 400 feet of a surface drinking water supply
	\boxtimes	the system is within 200 feet of a tributary to a surface drinking water supply
	\boxtimes	the system is located in a nitrogen sensitive area (Interim Wellhead Protection Area – IWPA) or a mapped Zone II of a public water supply well



Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

The second	200 Concord Rd - House(Rear system)				
~	Property Address				
Owner	David & Mia Fitzgerald				
	Owner's Name				
information is required for every	Sudbury	MA	01776	5/23/2023	
page.	City/Town	State	Zip Code	Date of Inspection	

C. Inspection Summary (cont.)

If you have answered "yes" to any question in Section C.5 the system is considered a significant threat, or answered "yes" to any question in Section C.4 above the large system has failed. The owner or operator of any large system considered a significant threat under Section C.5 or failed under Section C.4 shall upgrade the system in accordance with 310 CMR 15.304. The system owner should contact the appropriate regional office of the Department.

6. You must indicate "yes" or "no" for each of the following for all inspections:

Yes	No	
\bowtie		Pumping information was provided by the owner, occupant, or Board of Health
	\bowtie	Were any of the system components pumped out in the previous two weeks?
\square		Has the system received normal flows in the previous two week period?
	\boxtimes	Have large volumes of water been introduced to the system recently or as part of this inspection?
\boxtimes		Were as built plans of the system obtained and examined? (If they were not available note as N/A)
\bowtie		Was the facility or dwelling inspected for signs of sewage back up?
\bowtie		Was the site inspected for signs of break out?
\boxtimes		Were all system components, excluding the SAS, located on site?
		Were the septic tank manholes uncovered, opened, and the interior of the tank inspected for the condition of the baffles or tees, material of construction, dimensions, depth of liquid, depth of sludge and depth of scum?
		Was the facility owner (and occupants if different from owner) provided with information on the proper maintenance of subsurface sewage disposal systems? The size and location of the Soil Absorption System (SAS) on the site has been determined based on:
\square		Existing information. For example, a plan at the Board of Health.
\boxtimes		Determined in the field (if any of the failure criteria related to Part C is at issue approximation of distance is unacceptable) [310 CMR 15.302(5)]



Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

	200 Concord Rd - House(Rear system)					
	Property Address					
Owner	David & Mia Fitzgerald Owner's Name					
information is	Sudbury	MA	01776	5/23/2023		
page.	City/Town	State	Zip Code	Date of Inspect	ion	
	D. System Information					
	1. Residential Flow Conditions:					
	Number of bedrooms (design): $\frac{5}{2}$		Number of bed	rooms (actual):	4	
	DESIGN flow based on 310 CMR 15.203	8 (for examp	ole: 110 gpd x #	of bedrooms):	550	
	Description: System design on file at the Sudbury Boa septic tank, pump chamber, distirbution b				The system i	sa
required for every						
	Number of current residents:				2	
	Does residence have a garbage grinder?)			🗌 Yes 🛛	No
	Does residence have a water treatment of	unit?			🗌 Yes 🛛	No
	If yes, discharges to:	N/A				
	Is laundry on a separate sewage system information in this report.)	? (Include la	aundry system ii	nspection	🗌 Yes 🛛	No
	Laundry system inspected?				🗌 Yes 🗌	No
	Seasonal use?				🗌 Yes 🛛	No
	Water meter readings, if available (last 2 Detail:	years usag	e (gpd)):			
Owner [information is required for every page.						
	Sump pump?				🛛 Yes 🗌	No
	Last date of occupancy:				Current	
					Date	



Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Owner information is required for every page.

20	0 Concord Rd - House(Rear system)						
Pro	perty Address						
	vid & Mia Fitzgerald						
	ner's Name		04770		= /00 /00 00		
		MA State	01776 Zip Code			tion	
		Olale		,	Date of Inspec		
υ.	System Information (cont.)						
2.	Commercial/Industrial Flow Conditions:						
	Type of Establishment:		<u>N</u>	/A			
	Design flow (based on 310 CMR 15.203):			allons per	day (gpd)		
	Basis of design flow (seats/persons/sq.ft., etc	c.):	<u>N</u>	/A			
	Grease trap present?					🗌 Yes 🗌	No
	Water treatment unit present?					🗌 Yes 🗌	No
	If yes, discharges to: $\frac{N}{2}$	A					
	Industrial waste holding tank present?					🗌 Yes 🗌	No
	Non-sanitary waste discharged to the Title 5	system?				🗌 Yes 🗌	No
	Water meter readings, if available:			N/A			
	Last date of occupancy/use:		N/ Da				
	Other (describe below):						
	N/A						
3.	Pumping Records:						
	Source of information:	Owner	- last pu	mped 6	/5/2019		

Was system pumped as part of the inspection	🖾 Yes 🗌 No	
If yes, volume pumped:	1500 Gallons gallons	
How was quantity pumped determined?	Truck gauge	
Reason for pumping:	Inspection / Maintenance	



page.

Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Property Address Owner information required for

200 Concord Rd - House(Rear system)

	-1 - 2				
	David & Mia Fitzgerald				
- 1-	Owner's Name				
n is or everv	Sudbury	MA	01776	5/23/2023	
	City/Town	State	Zip Code	Date of Inspection	

D. System Information (cont.)

December 2nd 1999 - 24 Years

4. Type of System:

J []	
\boxtimes	Septic tank, distribution box, soil absorption system
	Single cesspool
	Overflow cesspool
	Privy
	Shared system (yes or no) (if yes, attach previous inspection records, if any)
	Innovative/Alternative technology. Attach a copy of the current operation and maintenance contract (to be obtained from system owner) and a copy of latest inspection of the I/A system by system operator under contract
	Tight tank. Attach a copy of the DEP approval.
	Other (describe):
	FlynnC@sudbury.ma.us

Approximate age of all components, date installed (if known) and source of information:

Were sewage odors	s detected when arriv	ving at the site?	🗌 Yes 🛛 No
Building Sewer (lo	cate on site plan):		
Depth below grade:	:		30" feet
Material of construct	ction:		
cast iron	⊠ 40 PVC	other (explain):	<u>N/A</u>
Distance from priva	te water supply well	or suction line:	Town water feet
Comments (on cond	dition of joints, ventin	g, evidence of leakage,	etc.):
The building sewer is properly vented.	appears to be in goo	od working condition. No	o evidence of leaks. Drains well and
	Building Sewer (lo Depth below grade: Material of construct cast iron Distance from privat Comments (on com The building sewer	Building Sewer (locate on site plan): Depth below grade: Material of construction: □ cast iron ⊠ 40 PVC Distance from private water supply well Comments (on condition of joints, vention The building sewer appears to be in good	Depth below grade: Material of construction: □ cast iron ⊠ 40 PVC □ other (explain): Distance from private water supply well or suction line: Comments (on condition of joints, venting, evidence of leakage, The building sewer appears to be in good working condition. Note:



Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

	20) Concord Rd - House	(Rear system)					
	Property Address							
Ourser		vid & Mia Fitzgerald						
Owner information is		ner's Name						
required for every page.		dbury		MA	01776	5/23/202		
		/Town		State	Zip Code	Date of In:	spection	
	D.	System Inform	nation (cont.)					
	6.	Septic Tank (locate	on site plan):					
		Depth below grade:			24 fe			
		Material of constructi	on:					
		⊠ concrete	metal	☐ fiberglass	🗌 ро	lyethylene	other (explain)	
		1500 Gallon Single compartment tank. Inlet cover is 2' below grade						
		If tank is metal, list ag	ge:			/A ars		
		Is age confirmed by a	a Certificate of Cor	npliance? (attac	h a copy of	certificate)	🗌 Yes 🗌 No	
		Dimensions:			-	10.5' x 5.5' x	5.5'	
		Sludge depth:			<u>-</u>	4"		
		Distance from top of	sludgo to bottom o	f outlat too or b		28"		
						6"		
		Scum thickness			-			
		Distance from top of	scum to top of out	et tee or baffle	-	6"		
		Distance from bottom	n of scum to botton	n of outlet tee or	baffle -	16"		
		How were dimension	s determined?		-	Tape measu	re / Sludge Judge	
		Comments (on nump	ina recommendati	ons inlet and o	itlet tee or b	affle conditio	n structural integrity	

Comments (on pumping recommendations, inlet and outlet tee or baffle condition, structural integrity, liquid levels as related to outlet invert, evidence of leakage, etc.):

Septic tank appears structurally sound and in good working condition. All tees are intact and the liquid level was equal to the outlet invert. There was no evidence of leaks. Septic tanks should be pumped every 1 - 3 years based on the level of use in the household. This septic tank should be pumped 1 year after new ownership to determine the level of use for the new owner.



Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

	Proper	ty Address	ouse(Rear system)						
Owner		& Mia Fitzgera	ald						
information is		's Name			04770	E /00 /000	2		
required for every	Sudb City/To			MA State	01776 Zip Code	5/23/202 Date of Ins			
page.			ormation (and			Date of Ills	pection		
	D. 3	bystem mi	ormation (cont.)					
	7. G	i rease Trap (lo	cate on site plan):			N/A			
	D	epth below gra	de:			feet			
	N	laterial of const	ruction:						
		concrete	metal	🗌 fibergla	ass	polyethylene	other (explain):		
	N	/A							
	D	imensions:				N/A			
	S	cum thickness				N/A			
	D	Distance from top of scum to top of outlet tee or baffle				<u>N/A</u>			
	D	istance from bo	ottom of scum to bott	om of outlet tee	e or baffle	<u>N/A</u>	N/A		
	D	ate of last pum	ping:			N/A Date			
	lie		umping recommenda elated to outlet invert				n, structural integrity,		
	_								
	8. T	ight or Holding	g Tank (tank must be	e pumped at tim	ne of inspec		ite plan):		
	D	epth below gra	de:			N/A			
	N	laterial of const	ruction:						
] concrete /A	metal	🗌 fibergla	ass [polyethylene	other (explain):		
	D	imensions:			N/A				
	С	apacity:			N/A gallons				
	D	esign Flow:			N/A				
	_	0			gallons per da	ay			

Title 5 Official Inspection Form: Subsurface Sewage Disposal System • Page 11 of 18



Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

	200	Concord Rd - House(I	Rear system)						
·/	Pro	perty Address							
Owner		vid & Mia Fitzgerald							
information is				MA	01776	E/00/	2002		
required for every		dbury /Town		State	Zip Code		2023 of Inspection		
page.		System Inform	ation (cont.)	Clair	p 0000	Dato t			
	υ.	System morm							
	8.	Tight or Holding Tan	k (cont.)						
		Alarm present:			🗌 Yes 🗌] No			
		Alarm level:	N/A		Alarm in workin	g order:	🗌 Yes	🗌 No	
		Date of last pumping:			N/A				
		Date of last pumping.			Date				
		Comments (condition of alarm and float switches, etc.):							
		N/A							
		* Attach copy of currer	nt pumping contract	(required)	. Is copy attach	ed?	🗌 Yes	🗌 No	
	9.	Distribution Box (if p	resent must be open	ned) (locat	te on site plan):				
					0"				
		Depth of liquid level at	pove outlet invert						
		Comments (note if box evidence of leakage in The distribution box ap evidence of leaking. T	nto or out of box, etc. opears structurally so): ound and	in good working				



Owner

page.

Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

200 Concord Rd - House(Rear system) Property Address David & Mia Fitzgerald Owner's Name information is Sudbury MA 01776 5/23/2023 required for every City/Town State Zip Code Date of Inspection

D. System Information (cont.)

10. Pump Chamber (locate on site plan):

Pumps in working order:	\boxtimes	Yes	🗌 No*
Alarms in working order:	\boxtimes	Yes	□ No*

Comments (note condition of pump chamber, condition of pumps and appurtenances, etc.):

The pump chamber appears to be in good working condition. There was no evidence of leaks. All components appear to be intact and in good working condition. The alarm and on/off pump function were tested at the panel and in the tank.

* If pumps or alarms are not in working order, system is a conditional pass.

11. Soil Absorption System (SAS) (locate on site plan, excavation not required):

If SAS not located, explain why:

N/A

 \boxtimes

leaching pits		number:	N/A
leaching chambers		number:	N/A
leaching galleries		number:	N/A
leaching trenches		number, length:	N/A
leaching fields		number, dimensions:	20' x 52'
overflow cesspool		number:	N/A
innovative/alternative system			
Type/name of technology:	N/A		

Title 5 Official Inspection Form: Subsurface Sewage Disposal System • Page 13 of 18



Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Owner information is required for every page.

200 Concord Rd - House(Rear system)

Property Address

David & Mia Fitzgerald			
Owner's Name			
Sudbury	MA	01776	5/23/2023
City/Town	State	Zip Code	Date of Inspection

D. System Information (cont.)

11. Soil Absorption System (SAS) (cont.)

Comments (note condition of soil, signs of hydraulic failure, level of ponding, damp soil, condition of vegetation, etc.):

The area over the SAS is a grass lawn. The soil was dry and the vegetation was normal. A fiber optic camera inspection of the pipes in the SAS showed no blockages, breaks, obstructions or signs of failure. The SAS appears to be in good working condition.

12. Cesspools (cesspool must be pumped as part of inspection) (locate on site plan):

Number and configuration	N/A
Depth – top of liquid to inlet invert	N/A
Depth of solids layer	N/A
Depth of scum layer	N/A
Dimensions of cesspool	N/A
Materials of construction	N/A
Indication of groundwater inflow	🗌 Yes 🗌 No
Comments (note condition of soil signs of hydraulic failure, level of pon	ding, condition of vegetation.

Comments (note condition of soil, signs of hydraulic failure, level of ponding, condition of vegetation, etc.): N/A



Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Owner information is required for every page.

200 Concord Rd - Hou Property Address	use(Rear system)				
David & Mia Fitzgeral	b				
, Sudbury		MA	01776	5/23/2023	
City/Town		State	Zip Code	Date of Inspection	
D. System Info13. Privy (locate on s	, , , , , , , , , , , , , , , , , , ,				
Materials of const	ruction:	N/A			
Dimensions		<u>N/A</u>			
Depth of solids		<u>N/A</u>			

Comments (note condition of soil, signs of hydraulic failure, level of ponding, condition of vegetation, etc.): N/A

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Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Owner
information is
required for every
page.

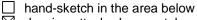
200 Concord Rd - House(Rear system)

5/23/2023
Date of Inspection
-

D. System Information (cont.)

14. Sketch Of Sewage Disposal System:

Provide a view of the sewage disposal system, including ties to at least two permanent reference landmarks or benchmarks. Locate all wells within 100 feet. Locate where public water supply enters the building. Check one of the boxes below:



drawing attached separately



Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

	200 Concer	d Dd House (Deer system)						
No and the second se	200 Concord Rd - House(Rear system) Property Address							
	David & Mia Fitzgerald							
Owner		Owner's Name						
information is required for every	Sudbury		MA	01776	5/23/2023			
page.	City/Town		State	Zip Code	Date of Inspection			
	D. System Information (cont.)							
	15. Site Exa	am:						
	🛛 Che	eck Slope						
	🗌 Surl	face water						
	🛛 Che	eck cellar						
	🗌 Sha	llow wells						
	Estimate	ed depth to high ground water:		5' feet				
	Please i	ndicate all methods used to deter	mine the hig	gh ground wate	er elevation:			
	\boxtimes	Obtained from system design	plans on re	ecord				
		If checked, date of design pla	n reviewed	: <u>August 1</u> Date	13 th 1999			
		Observed site (abutting prope	erty/observa	ation hole withir	n 150 feet of SAS)			
		Checked with local Board of I	Health - exp	blain:				
		N/A						
		Checked with local excavator	s, installers	- (attach docu	mentation)			
		Accessed USGS database -	explain:					
		N/A						

You **must** describe how you established the high ground water elevation:

System design on file at the Sudbury Board of Health shows soil testing dated 8/5/1999. Soil testing established ESHGW at an elevation of 198. Finish grade over the system is shown as 203. System design has an approved variance for a 3' offset to ground water. I do not believe that ground water impacts the base of the system.

Before filing this Inspection Report, please see Report Completeness Checklist on next page.



Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Owner information is required for every page. 200 Concord Rd - House(Rear system)

Property Address David & Mia Fitzgerald

	Owner's Name				
erv	Sudbury	MA	01776	5/23/2023	
019	City/Town	State	Zip Code	Date of Inspection	

E. Report Completeness Checklist

Complete all applicable sections of this form inclusive of:

- A. Inspector Information: Complete all fields in this section.
- B. Certification: Signed & Dated and 1, 2, 3, or 4 checked
- C. Inspection Summary:
 - 1, 2, 3, or 5 completed as appropriate

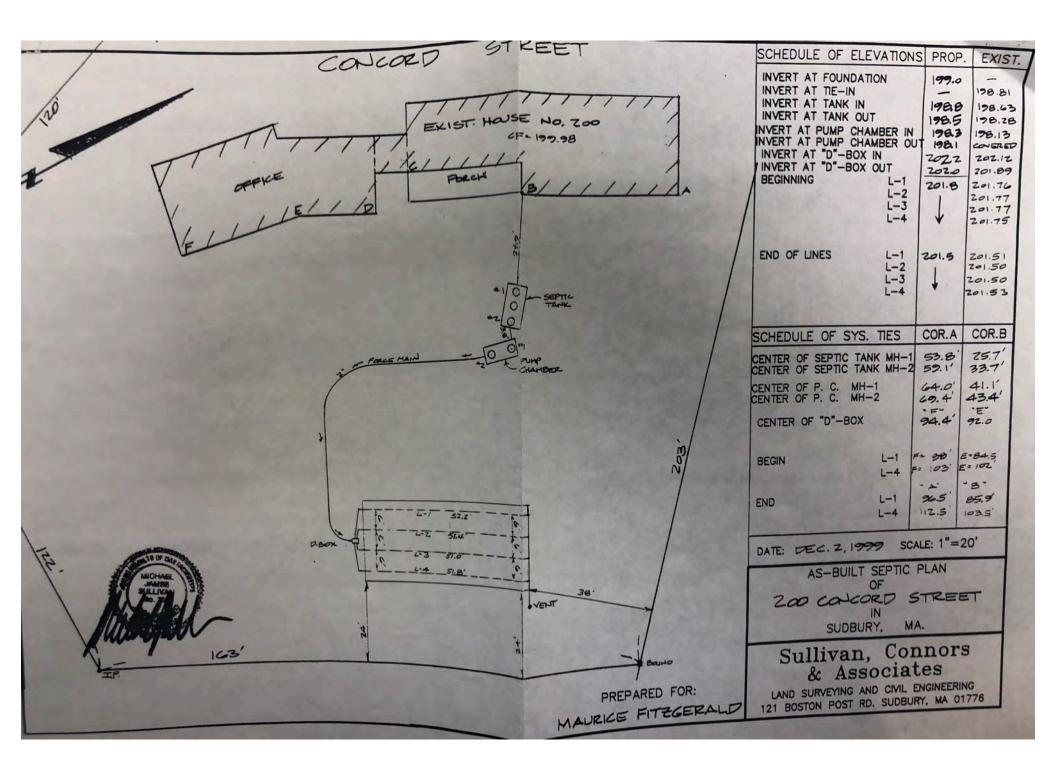
4 (Failure Criteria) and 6 (Checklist) completed

D. System Information:

For 8: Tight/Holding Tank – Pumping contract attached

For 14: Sketch of Sewage Disposal System drawn on pg. 16 or attached

For 15: Explanation of estimated depth to high groundwater included

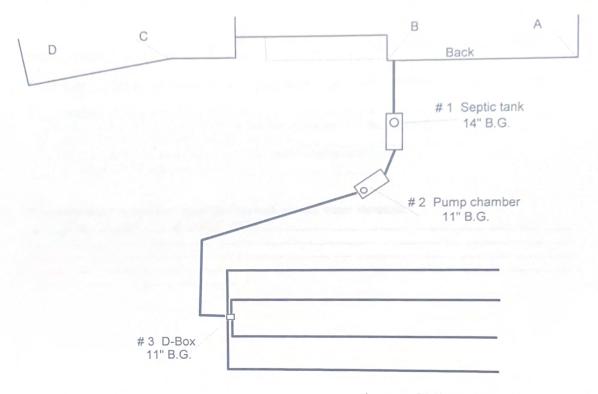


OFFICIAL INSPECTION FORM - NOT FOR VOLUNTARY ASSESSMENT SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C SYSTEM INFORMATION (continued)

Property Address: 200 Concord Rd. Sudbury Owner: Date of Inspection: 5-18-04

SKETCH OF SEWAGE DISPOSAL SYSTEM:

include ties to at least two permanent reference landmarks or benchmarks locate all wells within 100' (Locate where public water supply comes into house)



4 - aprox 51.5' trenches

	А	В	С	D
# 1	53' 9"	25' 8"		
#2	69' 5"	43' 5"		
#3			94' 6"	98'



Permit Number: 23-75 Date Approved: 11/2/2023 Fee: \$300.00

Commonwealth of Massachusetts Town of Sudbury Board of Health

DISPOSAL SYSTEM CONSTRUCTION PERMIT

Owner / Applicant: Fitzgerald, David & Mia

Permission is hereby granted to upgrade an individual sewage disposal system

Located at: 200 CONCORD RD Lot: According to engineering plan dated 9/18/2023 by Gala, Simon Associates System is designed for 4 bedrooms with a design flow of 640 gallons / day

System Specifications

Water Supply: Town Water

Expansion of Existing System to Include Dental Practice Flow (x1 Dentist)

House Not to Exceed 4 Bedrooms with Proposed Design.

Approved:

Robert Lazo, Health Inspector

The system shall comply with the provisions of Title 5 of the State Environmental Code and the regulations of the Town of Sudbury. Installation or repair must be performed by an installer licensed with the Sudbury Board of Health. Inspections of the construction must be scheduled with the Board of Health.

In the event it is dicovered during installation of the system that site conditions differ from those contained in the soil evaluation and/or the approved design plans, the originally issued Disposal System Construction Permit is void.

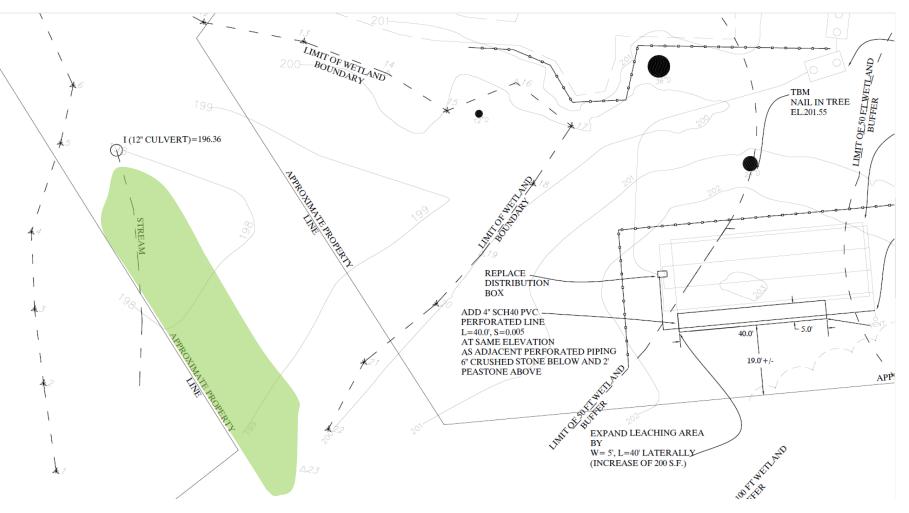
The system is not designed for garbage disposal.

As-built plans shall be prepared in accordance with Title 5.

This permit must be renewed annually unless the system construction has begun prior to the annual permit expiration date.

Attachment B

Planting Exhibit Sketch, dated November 6, 2023, prepared by LEC



Planting Exhibit Sketch dated November 6, 2023 prepared by LEC Environmental Consultants, Inc.

Green shaded area (roughly 1,000 square feet) to be planted with:

Eight (8) sapling native trees, including four (4) red maple (*Acer rubrum*) and four (4) tupelo (*Nyssa sylvatica*). Sapling trees shall measure at least 5 feet tall at the time of planting. No landscape cultivars allowed.

Thirty (30) native shrubs, including six highbush blueberry (*Vaccinium corymbosum*), six winterberry holly (*llex verticillata*), six silky dogwood (*Cornus amomum*), six speckled alder (*Alnus incana*), and six elderberry (*Sambucus canadensis*). Shrubs shall measure at least 2 feet tall at the time of planting. No landscape cultivars allowed.