

February 15, 2022

Mr. Michael F. Gagan, Chair Planning Board c/o Ms. Jen Hager Planning and Economic Development Director Municipal Building 4 Uxbridge Road Sutton, Massachusetts 01590

Re: Form C Application for a Definitive Plan-Residential Subdivision 61 Duval Road Sutton, MA, 01590

Dear Mr. Gagan and Members of the Board:

On Behalf of the Applicant, Flynn Build & Develop (FBD), we are submitting herewith a Form C Application for a Definitive Plan associated with a 31-lot single-family residential development located at 61 Duval Road in Sutton and Mumford Street and 5 Forest Street in Douglas on several properties owned by Sutton Douglas Development, LLC. This filing is being made in accordance with *Section 3.C of the Rules and Regulations Governing the Subdivision of Land in Sutton and Section 4.2 of the Rules and Regulations Governing the Subdivision of Land in Douglas.*

We have enclosed the following plans, supporting documents and fees:

- 1. One (1) original plus six (6) copies of the completed Form C Application;
- 2. A Total Application Fee (Admin & Review) of \$9,200 (check #1601934).
- 3. One (1) original plus six (6) copies of the Project Description/ Narrative with impacts summary/ Waivers contained herein;
- 4. One (1) original plus six (6) copies of each Certified List of Abutters for the two subject properties contained in the development;
- 5. Six (6) copies of the USGS Map indicating project location;
- 6. Six (6) copies of the FEMA Map indicating project location;
- 7. Six (6) copies of the NRCS Map;
- 8. Six (6) copies of the soils testing;
- 9. Six (6) copies of the current deeds for the property;
- 10. Two (2) copies of Plans (24x36) entitled "Definitive Plan for "Sutton Douglas Development, Sutton & Douglas, Massachusetts", prepared by Land Design Collaborative, dated February 10, 2022;
- 11. Six (6) copies of Plans (11x17) entitled "Definitive Plan for "Sutton Douglas Development, Sutton & Douglas, Massachusetts", prepared by Land Design Collaborative, dated February 10, 2022;
- 12. Two (2) copies of Stormwater Management Report entitled "Residential Subdivision" prepared for Sutton Douglas Development c/o Flynn Build & Develop, prepared by Land Design Collaborative, dated February 2022;
- 13. Two (2) copies of Traffic Access and Impact Study for Proposed Residential Development, prepared by Tetra Tech, dated September 2021;
- 14. Two (2) copies of Hydrogeologic Assessment, Sutton Douglas Development, prepared by Corporate Environmental Advisors (CEA)Tetra Tech, dated December 17,2021;
- 15. Entire submittal packet in PDF format provided on thumb drive;

PROJECT DESCRIPTION NARRATIVE

Pre-submission Permitting

FBD filed an Abbreviated Order of Resource Area Delineation (ANRAD) application with the Douglas Conservation Commission seeking confirmation of the delineated resource areas on site. The Conservation Commission confirmed the delineation by issuing an Order of Resource Area Delineation (ORAD) in May of this year, MassDEP File # 143-1018. An ANRAD was not filed with the Sutton Commission as no work is proposed within the jurisdiction of the Sutton Conservation Commission. The project also received Preliminary Plan Approvals from the Sutton and Douglas Planning Boards in the fall of 2021.

Existing Site

The subject property is located in both the town of Sutton and Douglas and is comprised of several combined and contiguous parcels totaling 130.76± acres, the majority of which lies in the Town of Douglas with only 4.68± acres in Sutton. The property obtains its frontage from 61 Duval Road (existing developed residential lot) in Sutton and Mumford Street (20'-wide strip), 5 Forest Street (existing developed residential lot), Conservation Drive (20'-wide strip), all in Douglas. The property is zoned Residential Rural (R-1) in Sutton and Rural Agricultural (RA) in Douglas. Except for the developed residential lots, most of the property is undeveloped with physical access gained through the developed properties. The properties are recorded at the Worcester District Registry of Deeds; Deed Book 27939 Page 293, Deed Book 45533 Page 331, & Deed Book 64513 Page 31, and Deed Book 65809 Page 101.

Topography across the site is variable with slopes ranging from less than five percent to over twenty percent. Low lying wetlands bordering intermittent streams and the Mumford River are generally located bifurcating the site as the river flows under Conservation Drive easterly through the site and easterly under Mumford Street. These resource areas were confirmed by the Conservation Commission in May.

No portion of the property is located within the Special Flood Hazard Area (SFHA; aka 100-year flood) based on the FEMA flood Maps 25027C0984E & 25027C1003E, effective date 7/4/2011. A portion of the site, adjacent to the Mumford River, contains an area of Estimated Habitat of Rare Wildlife or according to the NHESP Atlas dated August 1st, 2017.

United States Department of Agriculture Natural Resources Conservation Service (NRCS) mapping identifies the soils of the subject site; Canton-Hydrologic Soil Group B (HSG B), Charlton - (HSG C), Woodbridge -(HSG C), Montauk - (HSG C), Scituate-(HSG C/D) and Ridgebury-(HSG D). Exploratory soil testing was performed by LDC & McCarty Engineering, Inc. earlier his year to verify the NRCS mapping, and the results were consistent.

There are no public water and sewer services to the property and the developed lots of the project and surrounding properties are served by private wells and sewage disposal systems.

Proposed Project

The property owner is seeking to develop the property as a 31-lot single family subdivision requiring filings in both Sutton and Douglas. The subdivision will obtain access from two locations, 61 Duval Road in Sutton and 5 Forest Street in Douglas, both lots currently developed as single-family house lots which will be reconfigured and incorporated into the subdivision. The main (spine) road obtains its access at Duval Road, measures approximately 2,717' (473' in Sutton) and is referred to as Road A. Road B is a loop road which connects to Road A at 2 locations (one of which is in Sutton) and measures 1,322'±. A cul de sac, Road C measures 679'± and begins at the approximate midpoint of Road B. Road D measures 853'±, connects to Forest Street and terminates at a location on Road A where the remainder of Road A to the terminus maintains compliance with the maximum 1,000' dead end road length of the Douglas Subdivision Rules and Regulations. The lots are designed in accordance with the zoning bylaws of each community's respective zone districts with Lots 22 & 23 being the only reduced frontage lots in the subdivision with only Lots 1 & 29 being in Sutton.

Each lot will be serviced by private sewage disposal systems and wells and the subdivision will be supplied with underground electric, telephone, and cable utilities. While some of the work is proposed within the 100-foot buffer zone in Douglas, no work is proposed within the Sutton Conservation Commission's jurisdiction.

The work being performed will not result in adverse environmental impacts to any properties located in Sutton as the development is proposed in 5 phases, each of which have been designed in accordance with the Mass DEP Stormwater Regulations as detailed in the attached comprehensive Stormwater Management Report. All work will be performed upgradient of the proper erosions sand sediment control measures as illustrate=rated in the plans and additional erosion and sediment control measure will be employed as presented in the Erosion and Sediment Control Plans to ensure no impact to the downstream receiving resource areas.

The property is not provided with municipal water or wastewater services and therefore private individual wells and septic systems will serve each lot providing recharge to the drawn water with recharge from the sewage disposal systems. The attached hydrogeologic study indicates that there will be no adverse impact on the neighboring properties.

As discussed, the roads are intended to become public with two connection points proposed allowing for direct response by both community's public safety responders. Following several meetings with Town staff and public safety officials in both communities, it was determined that each home would be sprinklered drawing water from each home's private well.

The topographic changes proposed associated with the roads and stormwater management systems are a result of the state stormwater regulations and local subdivision regulations. To reduce the topographic changes, cut slopes of 2:1 with slope stabilization in lieu of the required 3:1 slope are proposed to reduced cuts and fills and limits of tree clearing. Unmitigated stormwater runoff from the upgradient subdivision is diverted around the proposed stormwater management system as not to result in unnecessarily massive stormwater management basins. Topographic changes due to lot development will be limit to lot access, hose area and sewage disposal system development, resulting in minimum lot development envelopes.

Soils on site will not be adversely impacted as no discharge of contaminants are likely due to the nature of the development unlike other uses. Soil materials processing is proposed on the Douglas portion of the property to minimize hailing of materials to and from the site. All exposed soils will be stabilized as discussed in the Erosion and Sediment Control Plans.

As discussed within the attached Traffic Access Impact Study, the team's traffic consultant had performed traffic counts and performed field observations of the traffic speed along Duval Road and is currently analyzing the traffic impacts on both communities based on the current design. LDC performed independent Lines of Sight (LOS) observations at both public way connection points. The traffic consultant also performed observations for lines of sight for both the Stopping Sight Distance (SSD) condition and Intersection Sight Distance (ISD) condition. LDC performed an independent site check of the SSD condition. Based on our team's observations, there are no traffic speed signs posted along Duval Road. The Site Plans depict lines of sight in Duval Road as well as within the proposed subdivision. Mitigation measures are proposed as Advance Warning Signs- Intersection Ahead (MUTCD W2-2) which are to be located in accordance with the MUTCD requirements. Stop signs will be located at all intersections within the subdivision and at the public way intersections.

As presented in this narrative, $55\pm$ acres of open space in Douglas will be set aside and left in its current state. As also discussed, and presented on the plans, disturbance to the natural features on site will be minimized by employing measures to reduce the development footprint to the greatest extant allowable and practicable.

Anticipated Waiver Requests Town of Sutton Subdivision Rules & Regulations

Regulation Number	Regulation	Waiver Request and Justification for Granting Waiver
4. A. Streets		
3.	Width (pavement)- The minimum width of street right-of –way shall be 50 feet. Greater width shall be required by the Board when deemed necessary for present and future vehicular travel, safety, and snow removal. The minimum roadway width for a 50 foot right- of-way shall be 26 feet. The minimum road width for a 60-foot right-of-way shall be 36 feet. This section may also be applied to access roads to the subdivision. Sidelines and centerline shall be parallel.	As discussed with town staff, the pavement width for Road A is proposed at 24' which is 2' wider than that of Duval Road. Reducing the pavement width on this street would reduce the amount of impervious area and tree clearing, be consistent with LID Principles, calm traffic and be more in line with the area streets approaching the subdivision. Granting a waiver would not be a detriment to the public interest.
5.Required		
Improvements		
G.1.	Curbing- Curbing shall be provided along each side of all roadways and shall be granite.	The curbing proposed is a Type 3 bituminous concrete curb consistent with the Town of Douglas Subdivision Rules and Regulations. Their regulations require granite curbing at road entrance roundings and at catch basins. With the majority of the project being located in the Town of Douglas and the cost of granite curb, the developer is proposing the bituminous concrete curb. Granting a waiver would not be a detriment to the public interest.
J.4.	Planting Strips (street trees) Along each street and on both sides, the subdivider shall plant trees so that with existing trees they shall be an average of 100 feet apart within twenty feet of the roadway. The new plantings will be one and one half (1 1/2) to two (2) inches caliper with a minimum height of ten (10) feet. Each tree shall be supported with a 2" x 2" x 8' wooden stake and shall be fastened at the top with loop of rubber or suitable fabric hosing. All trees shall be guaranteed by the subdivider until the street is accepted by the Town as a public way.	Given that the property is maturely wooded, and the proposed limits of tree clearing are not extensive, the developer would like to preserve trees along the narrow clearing swaths in lieu of planting additional trees in order that the existing trees can continue to flourish and not compete with new trees to establish a new defined treelined. Additional street trees would be planted at the required interval in those areas where the roadway off grading results in wider clearing swaths. Granting a waiver would not be a detriment to the public interest.

In closing, we trust that you that the project has been designed to comply with the requirements of the Subdivision Rules and Regulations apart from the waivers requested herein.

We thank you in advance for your attention to the information provided and look forward to meeting with the Board to discuss the enclosed Application at the next available agenda.

Sincerely, LAND DE IGN COLLABORATIVE Wayne M. Belec, Project Manager Principal

cc: Ms. Laura Caruso, Town Clerk Mr. Tim Flynn, Flynn Build & Develop

21-0083 DEF SuttonPB ltr01



TOWN OF SUTTON, MASSACHUSETTS FORM C Application for Approval of a Definitive Subdivision

Date of filing by delivery, certified mail (date received) or in open meeting: _____ (tbd by Town staff)

The undersigned, being the applicant as defined under Chapter 41 § 81-L, for approval of a proposed definitive subdivision plan hereby submits said definitive plan in accordance with the Rules and Regulations of the Town of Sutton and M.G.L., Ch. 41.

Subdivision Name: Sutton Douglas Development

 Plans Dated:
 February 10, 2022
 Calculations Dated:
 February 10, 2022
 Fee: \$9200

 Engineer and/or Land Surveyor:
 Michael J. Scott, Land Design Collaborative/Joseph R. Zambuto, Feldman Land Surveyors

 Address:
 45 Lyman Street, Suite 1, Terrace North, Westborough, MA 01581 / 152 Hampden St., boston MA 02119

 Phone:
 508-592-6300 / 978-302-6746
 Email: mscott@ldcollaborative.com / jzambuto@feldmangeo.com

Owner's Name, Address, Phone Number and Email: <u>Sutton Douglas Development LLC, John R. Cahaly, 3 D J Murphy Lane, Hopkington, MA 01748</u> 774-412-3039

Applicant's Name, Address, Phone Number and Email (if different than owner): <u>Flynn Group Consulting DBA Flynn Build & Develop, Tlmothy Flynn 945 Concord Street Suite 100 Framingham, MA</u> 01701 508-620-5378 tflynn@flynnbd.com

Address of Subject Property: <u>61 Duval Road</u> Assessor's map and parcel number of land: Map <u>54</u> Parcel <u>113</u> Land Recorded in Worcester District Registry of Deeds Book <u>45533</u> Page <u>331</u> Land is free of encumbrances, except for: <u>N/aA</u>

Said plan 🖾 has 🗀 has not evolved from a preliminary plan submitted to the Board on 9/1/2021

The undersigned hereby applies for the approval of said definitive plan by the Planning Board and hereby agrees to abide by the Town's Rules and Regulations.

Property Owner's Signature

Applicant's Signature:

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Final Audit Report

2022-02-14

Created:	2022-02-14
Ву:	Tim Flynn (tflynn@flynngroupconsulting.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAATTAgjrUq-Nh5J34Jfdx3yV_kh-98pBeO

"definitive_subdivision_-_form_c_-_blank" History

- Document created by Tim Flynn (tflynn@flynngroupconsulting.com) 2022-02-14 12:39:38 PM GMT- IP address: 71.174.206.203
- Document emailed to John R Cahaly Jr. (jcahaly@eci.com) for signature 2022-02-14 - 12:39:59 PM GMT
- Email viewed by John R Cahaly Jr. (jcahaly@eci.com) 2022-02-14 - 1:39:34 PM GMT- IP address: 174.196.203.232
- Document e-signed by John R Cahaly Jr. (jcahaly@eci.com) Signature Date: 2022-02-14 - 1:40:43 PM GMT - Time Source: server- IP address: 174.196.203.232

Agreement completed. 2022-02-14 - 1:40:43 PM GMT



300 foot Abutters List Report

Sutton, MA February 07, 2022

Subject Property:

Parcel Number:54-112CAMA Number:54-112Property Address:37 DUVAL RD

Mailing Address: SUTTON DOUGLAS DEVELOPMENT LLC 3 DJ MURPHY LN HOPKINTON, MA 01748

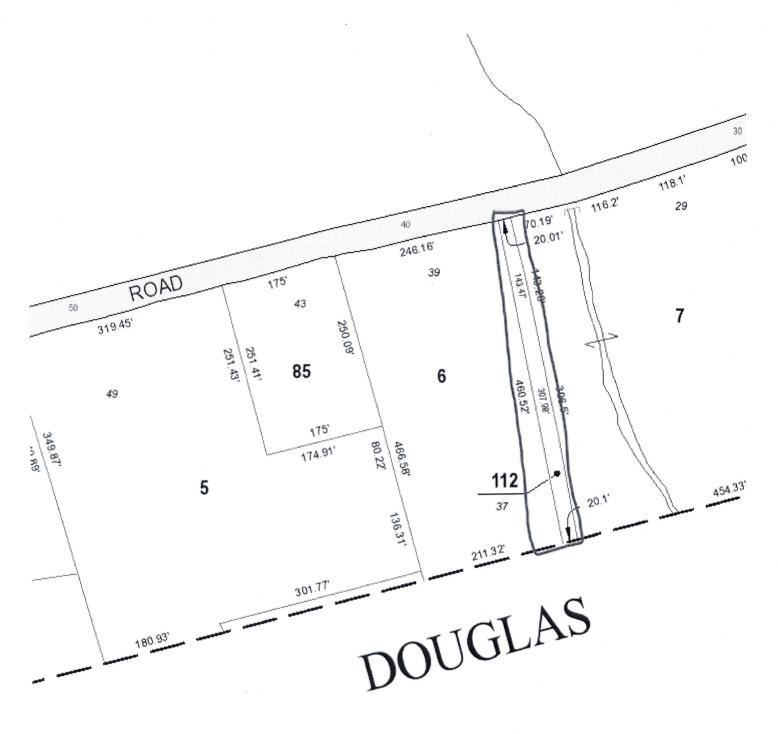
Abutters:

Parcel Number: CAMA Number: Property Address:	54-11 54-11 24 MUMFORD RD	Mailing Address:	POLSENO DYLAN A 24 MUMFORD RD SUTTON, MA 01590
Parcel Number: CAMA Number: Property Address:	54-5 54-5 49 DUVAL RD	Mailing Address:	DAVID CHRISTOPHER J 49 DUVAL RD SUTTON, MA 01590
Parcel Number: CAMA Number: Property Address:	54-6 54-6 39 DUVAL RD	Mailing Address:	BUSH VANESSA 39 DUVAL RD SUTTON, MA 01590
Parcel Number: CAMA Number: Property Address:	54-7 54-7 29 DUVAL RD	Mailing Address:	LESSARD DANIEL J 29 DUVAL RD SUTTON, MA 01590
Parcel Number: CAMA Number: Property Address:	54-85 54-85 43 DUVAL RD	Mailing Address:	HOEKSTRA SHARON 43 DUVAL RD SUTTON, MA 01590

To: Planning Board Board of Assessors: <u>pype Sacdagaola</u> Date: <u>2/7/2022</u>



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DOUGLAS

Please be advised that the Attorney General has ruled that communication via electronic mail in the public domain is not confidential and is considered a matter of public record. Furthermore, all communications (including this one) will be retained for 10 years.

	RECEIVED
LIST OF ABUTTERS	FEB 0 1 2022 BOARD OF ASSESSORS TOWN OF SUTTON
Owner's Name: Mayne Belic	SOTTON
Address of Property Affected: lot know RR	
Map Number: <u>54</u> <u>113</u> Parcel Number:	

In accordance with the provisions of of M.G.L., c. 40A\$11, parties of interest shall mean the petitioner, abutters, owners of land directly opposite on any public or private street or way, and abutters to the abutters within three hundred (300) feet of the property line of the petitioner as they appear on the most recent applicable tax list, notwithstanding that the land of any such owner is located in another city or town

Map	Parcel	Map	Parcel	Map	Parcel	Мар	Parcel
, ¹							

See the attached certified list from the Board of Assessors.

Contact: Planning X 8729 The Planning Department takes full responsibility for getting a certified copy of this abutters list to the applicant.

Planning Board: 300' Abutters (special permit/Site Plan) - 2 sets of labels please



300 foot Abutters List Report

February 01, 2022

Subject Property:

Parcel Number:54-113CAMA Number:54-113Property Address:61 DUVAL RD

Mailing Address: SUTTON DOUGLAS DEVELOPMENT LLC 3 D J MURPHY LN HOPKINTON, MA 01748

Abutters:

Abutters:			
Parcel Number:	54-109	Mailing Address:	MCCLURE STEVEN B
CAMA Number:	54-109		72 DUVAL RD
Property Address:	72 DUVAL RD		SUTTON, MA 01590
Parcel Number:	54-11	Mailing Address:	POLSENO DYLAN A
CAMA Number:	54-11		24 MUMFORD RD
Property Address:	24 MUMFORD RD		SUTTON, MA 01590
Parcel Number:	54-110	Mailing Address:	SENECAL GERARD C
CAMA Number:	54-110		PO BOX 247
Property Address:	70 DUVAL RD		MANCHAUG, MA 01526
Parcel Number:	54-114	Mailing Address:	BESSETTE PAUL C
CAMA Number:	54-114		PO BOX 346
Property Address:	66 DUVAL RD		MANCHAUG, MA 01526
Parcel Number:	54-119	Mailing Address:	BANVILLE JAMES P
CAMA Number:	54-119		60 DUVAL RD
Property Address:	60 DUVAL RD		SUTTON, MA 01590
Parcel Number: CAMA Number: Property Address:	54-12 54-12 68 DUVAL RD	Mailing Address:	BESSETTE FAMILY IRREVOCABLE TRUST PO BOX 101 MANCHAUG, MA 01526
Parcel Number:	54-122	Mailing Address:	GUERIN TIMOTHY J
CAMA Number:	54-122		71 DUVAL RD
Property Address:	71 DUVAL RD		SUTTON, MA 01590
Parcel Number:	54-2	Mailing Address:	WOJCIK JOSEPH JR
CAMA Number:	54-2		PO BOX 353
Property Address:	65 DUVAL RD		MANCHAUG, MA 01526
Parcel Number:	54-3	Mailing Address:	MAYNARD PAUL A
CAMA Number:	54-3		59 DUVAL RD
Property Address:	59 DUVAL RD		SUTTON, MA 01590
Parcel Number:	54-4	Mailing Address:	CONVERY PAUL W
CAMA Number:	54-4		PO BOX 42
Property Address:	55 DUVAL RD		MANCHAUG, MA 01526

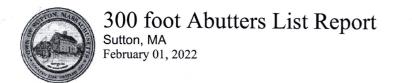


www.cai-tech.com

2/1/2022

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Parcel Number:54-5CAMA Number:54-5Property Address:49 DUVAL RD

Mailing Address: DAVID CHRISTOPHER J 49 DUVAL RD SUTTON, MA 01590

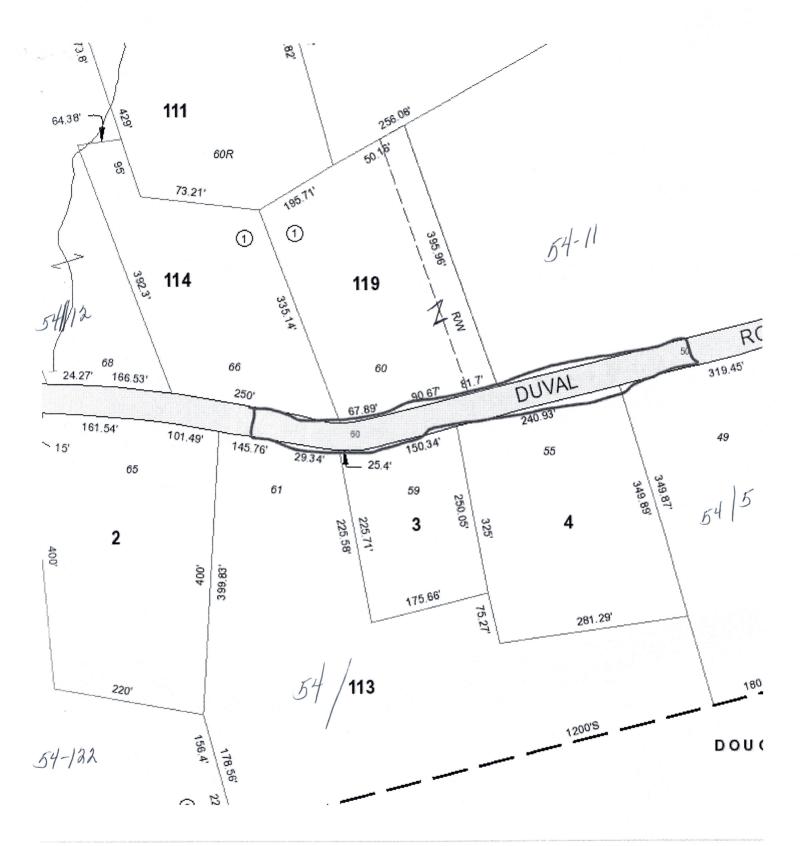
To: Conservation Commission

1.31/2022 Board of Assessors: 131 Date:



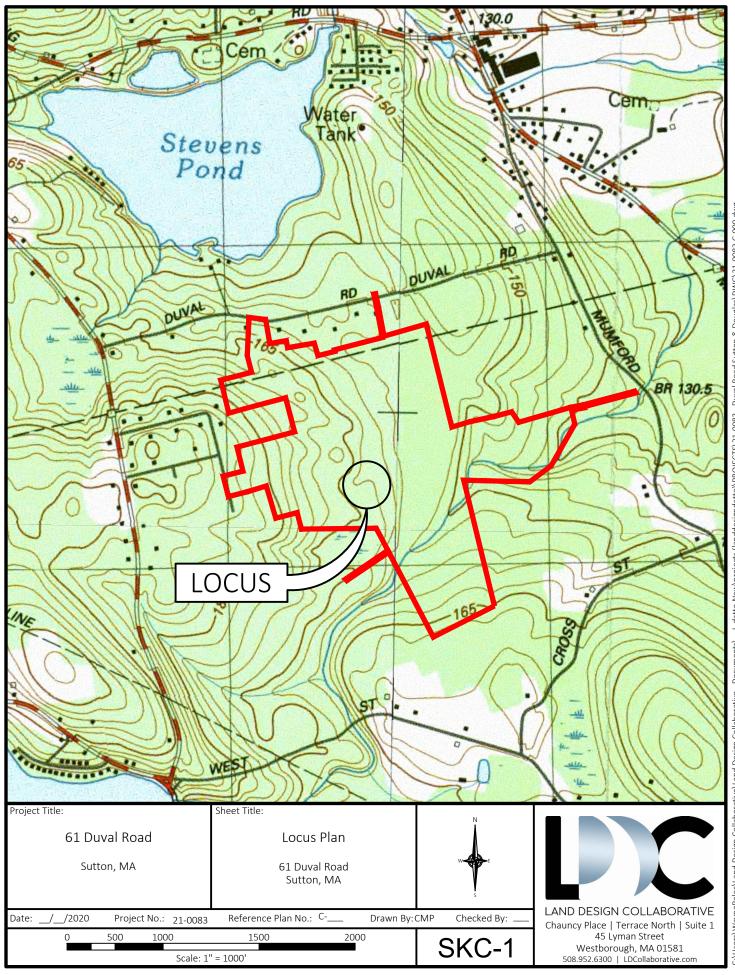
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From: Joyce Sardagnola <j.sardagnola@town.sutton.ma.us>
Sent: Thursday, April 1, 2021 6:48 PM
To: Wayne Belec <Wbelec@ldcollaborative.com>
Subject: RE: [Sutton MA] 61 Duval Road Certified List of Abutters (Sent by WAYNE BELEC, wbelec@ldcollaborative.com)

Thank you. We open at 9:00 a. m. on Friday. I will check with Wanda in Conservation and Finalize your report to send over to you.



C:\Users\WayneBelec\Land Design Collaborative\Land Design Collaborative - Documents_L-datto New\projects (landdesigndatto\\PROJECTS\21-0083 - Duval Road Sutton & Douglas\DWG\21-0083 C-000.dwg

National Flood Hazard Layer FIRMette



Legend

71°44'48"W 42°5'17"N SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) Zone A. V. A9 With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD TOWNOFSUTTON HAZARD AREAS **Regulatory Floodway** 250338 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X Future Conditions 1% Annual Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF Area with Flood Risk due to Levee Zone D FLOOD HAZARD NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - — – – Channel, Culvert, or Storm Sewer GENERAL STRUCTURES LIIII Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance <u>17.5</u> Water Surface Elevation **AREAOFMINIMAL FLOOD HAZARD Coastal Transect** Zde X Mase Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary — --- Coastal Transect Baseline TOWNEDFIDOLICLAS OTHER **Profile Baseline** FEATURES Hydrographic Feature 2503 off. 7/4/2011 **Digital Data Available** No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location. This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/28/2021 at 9:25 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time. This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for 71°44'11"W 42°4'51"N Feet 1:6.000 unmapped and unmodernized areas cannot be used for regulatory purposes. 250 500 1,000 1.500 2.000

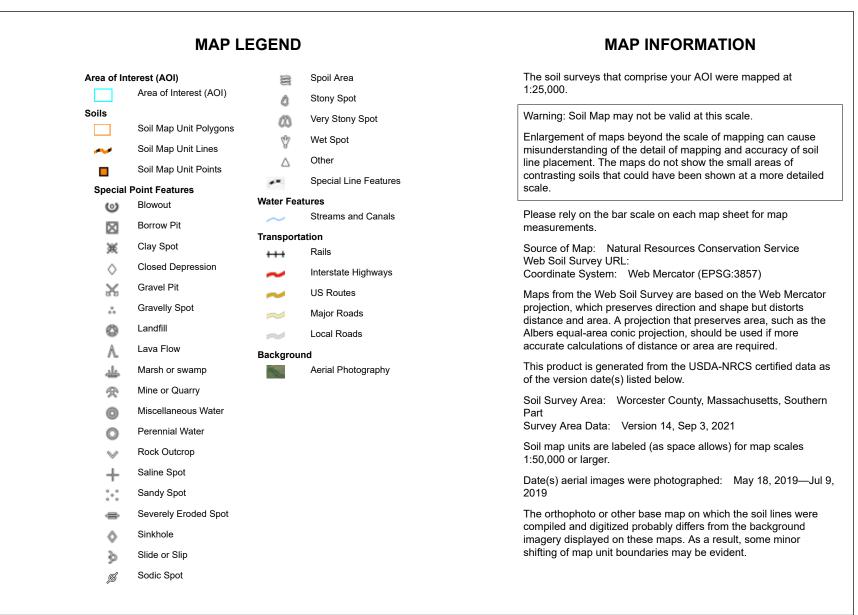
Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020



USDA Natural Resources

Conservation Service

Web Soil Survey National Cooperative Soil Survey



Soil Map-Worcester County, Massachusetts, Southern Part

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI	
1	Water	16.5	2.2%	
3A	Scarboro and Walpole soils, 0 to 3 percent slopes	4.6	0.6%	
51A	Swansea muck, 0 to 1 percent slopes	1.2	0.2%	
71A	Ridgebury fine sandy loam, 0 to 3 percent slopes, extremely stony	13.9	1.9%	
73A	Whitman fine sandy loam, 0 to 3 percent slopes, extremely stony	48.1	6.4%	
245C	Hinckley loamy sand, 8 to 15 percent slopes	0.7	0.1%	
254A	Merrimac fine sandy loam, 0 to 3 percent slopes	1.5	0.2%	
254B	Merrimac fine sandy loam, 3 to 8 percent slopes	6.6	0.9%	
255A	Windsor loamy sand, 0 to 3 percent slopes	0.4	0.0%	
300C	Montauk fine sandy loam, 8 to 15 percent slopes	7.6	1.0%	
302B	Montauk fine sandy loam, 0 to 8 percent slopes, extremely stony	129.4	17.3%	
302C	Montauk fine sandy loam, 8 to 15 percent slopes, extremely stony	14.3	1.9%	
307B	Paxton fine sandy loam, 0 to 8 percent slopes, extremely stony	18.7	2.5%	
307C	Paxton fine sandy loam, 8 to 15 percent slopes, extremely stony	1.6	0.2%	
307E	Paxton fine sandy loam, 15 to 35 percent slopes, extremely stony	10.7	1.4%	
310B	Woodbridge fine sandy loam, 3 to 8 percent slopes	2.9	0.4%	
312B	Woodbridge fine sandy loam, 0 to 8 percent slopes, extremely stony	11.2	1.5%	
315B	Scituate fine sandy loam, 3 to 8 percent slopes	1.2	0.2%	
317B	Scituate fine sandy loam, 3 to 8 percent slopes, extremely stony	253.3	33.8%	

USDA

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
420B	Canton fine sandy loam, 3 to 8 percent slopes	7.6	1.0%
420C	Canton fine sandy loam, 8 to 15 percent slopes	6.2	0.8%
422B	Canton fine sandy loam, 0 to 8 percent slopes, extremely stony	148.5	19.8%
422C	Canton fine sandy loam, 8 to 15 percent slopes, extremely stony	26.7	3.6%
422E	Canton fine sandy loam, 15 to 35 percent slopes, extremely stony	15.9	2.1%
Totals for Area of Interest		749.3	100.0%





Commonwealth of Massachusetts City/Town of Poul-Lass

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

	Owner Name
	3 PL MURPHYCLAME 135-12
	Street Address Map/Lot # 01743
	City State Zip Code
B	. Site Information
	(Check one) Wew Construction Upgrade Repair 73A
1.	3173
2.	Soil Survey Available? Yes No If yes: NBCS SOIL SUBJET Source 422C
TTE	Source Soil Map Unit Soil Name Soil LOANT, MOHTAUK SCHOLLOGIT, SITUATE SCHOLLOGT, CANTON SCHOLLOGT, SILLIMITATIONS
	Soil Parent material Landform
3.	Surficial Geological Report Available? Ves No If yes:
	Year Published/Source Map Unit
	Description of Geologic Map Unit:
4.	Flood Rate Insurance Map Within a regulatory floodway? 🔲 Yes 🔲 No
5.	Within a velocity zone? Yes No
6.	Within a Mapped Wetland Area? 🔲 Yes 🖸 No If yes, MassGIS Wetland Data Layer:
7.	vvetand Type
7.	Month/Day/ Year
8.	Other references reviewed:

Commonwealth of Massachusetts City/Town of DOUL-LAS

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-Site Review (minimum of two holes required at every proposed primary and reserve disposal area)													
Deep	Observation	Hole Numb	er: <u>32/-</u> 01	3/20 Date	1/21	Time	1	SUNI-	1-1303	Latitudo			
Deep Observation Hole Number: 3/24/21 Arg Surrich (363) Hole # Jate Time Weather Latitude 1. Land Use (e.g., woodland, agricultural field, vacant lot, etc.) Observation Surface Stones (e.g., cobbles, stones, boulders, etc.)										Longitude: 2-8% Slope (%)			
Des	Description of Location:												
2. Soil P	2. Soil Parent Material: Lowric Source Landform BACKSLOPE Position on Landscape (SU, SH, BS, FS, TS)												
			Water Body					ay				feet	
			Property Line				25					feet	
4. Unsuita	ble Materials		Yes 🛛 No 🗌										
5. Grour	ndwater Obse	erved: 🗗 Yes	🗌 No							Depth S	tanding Wa	ater in Hole	
[]						Soil Log		073/					
Depth (in)	Soil Horizon	Soil Texture	Soil Matrix: Color-	Redoximorphic Features		Coarse Fragments % by Volume		Soil Structure	Soil Consistence		Other		
	/Layer	(USDA	Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	oon on uotaro	(Moist)		other	
0-4	Ap	LOBERI	2513/3										
4-18	Bid	1.000	1042 5/6										
18-130	· L	LUBERY SIDLID	574/2	47"	7.5-125/4	5%		10%	14				
								I					

Additional Notes: <u>KUPEILCE OF REPOX AT 29"</u> LLEEPSCIE AT 120" t5form 11.doc · rev. 3/15/18 *Culloulup Ulatell* AT 127"

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal • Page 2 of 5

Commonwealth of Massachusetts City/Town of Poulation

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-Site Review (minimum of two holes required at every proposed primary and reserve disposal area)												
Deep (ber: 32 <u>1-02</u> Hole #			AI-A		HMY 30	S Latitude		Longitude:	
1. Land L	Jse: (e.g.,	woodland, agri	cultural field, vac	ant lot, etc.	.) Orsk Vege	5 Pu-10	5, 11/16	CES Surface Stor	es (e.g., cobbles,	stones, boulders,	Etc.) Slope (%)	
Descri	Description of Location:											
2. Soil Parent Material: LOATTY SALLY LANDFORM LANDFORM Position on Landscape (SU, SH, BS, FS, TS)												
3. Distan	ces from:	Open Water	r Body	feet		Drain	age Way	feet	Wetla	nds fe	eet	
Property Line feet Drinking Water Well feet Other feet 4. Unsuitable Materials Present: Yes Disturbed Soil Fill Material Weathered/Fractured Rock Bedrock 5. Groundwater Observed: Yes No If yes: Depth Weeping from Pit Depth Standing Water in Hole Soil Log												
	Soil Horizon	Soil Texture	Soil Matrix:	Redox	kimorphic Fea		Coarse F	ragments /olume		Soil		
Depth (in)	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	Soil Structure	Consistence (Moist)	Other	
0-4	Ap	Lakara	2513/3									
4-24"	Bid	21	10-185/6									
24-121	0	1-0101714 Spathy	544/2	36"	7.540/0	5%		5%				

Additional Notes: <u>EURENCE OF REPOX C 24"</u> ISEEPACIE C BI"

Gilduchipulatele Clo"

Form 11 – Soil Suitability Assessment for On-Site Sewage Disposal • Page 3 of 5



City/Town of Poul-Liss

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-Site Review (minimum of two holes required at every proposed primary and reserve disposal area)												
Deep (Observation	Hole Num	Der: 321-03 Hole #	3 3/2 Da	24/21 ate 000	Ara	Sul Wei	HHY 30	>Latitude	-	Longitude:	
1. Land L	Jse: <u>(e.g.</u>	woodland, agri	SE CO	ant lot, etc	.) Veg	etation	e, i'vp	Surface Stor	nes (e.g., cobbles,	stones, boulders,	Longitude: 2-8-2/ etc.) Slope (%)	
Descri	Description of Location:											
Description of Location: Image: Control Station 2. Soil Parent Material: Locatron Station Description on Landscape (SU, SH, BS, FS, TS)												
3. Distan	ces from:	Open wate	r Body	feet		Drain	age Way _	feet	Wetla	inds fe	eet	
4. Unsuitat Material			y Line						Ot Fractured Rock	her fe	et	
	dwater Obse					ŀ	f yes:		g from Pit		Standing Water in Hole	
Depth (in)	Soil Horizon	and when the state of the state	Soil Matrix:	Redo	ximorphic Fea		Coarse I	Fragments Volume	Soil Structure	Soil Consistence	Other	
Doptin (iii)	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	Son Structure	(Moist)	Other	
0-6	Ap	SALIDY	25-123/3									
6.26	Bul	4	10425/6									
25-125	0	LUM714 5121-19	54412	37"	75405/0	5%		Sel				

Additional Notes: <u>1-ELPIES OF MED SISTU</u> ILLEEPISCHE O 1101

CIRCUMPILLATER & 120"



City/Town of Doul-11

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-S	Site Revi	ew (minin	num of two	holes re	equired at	every p	roposed p	rimary and	reserve disp	oosal area)		
Deep (Observatior	Hole Num	ber: 32 <u>1-04</u> Hole #	3/2 Da	<u>4/21</u>	Ara Time		INNY 30' ather	> Latitude		Longitude:	
1. Land L	Jse: <u>le.g.</u>	woodland, agri	cultural field, vac	cant lot, etc	.) Orala Vege	S Pir	155 1-12	PLES Surface Stor	es (e.g., cobbles,	stones, boulders,	$\frac{2-3\%}{\text{Slope (\%)}}$	
Descri	ption of Loca	ation:										
2. Soil Pa	arent Materia	al: 100	init Se	stly	>		Landform	ne		Position on Lands	Scape (SU, SH, BS, FS, TS)	
3. Distan	ces from:	Open Wate	r Body	feet		Drain	age Way	feet	Wetla	nds fe	et	
		Propert	y Line	feet	D	rinking W	ater Well _	feet	Ot	ner fe	et	
	s Present:	Table		🗌 Distu	rbed Soil [Fractured Rock			
5. Ground	dwater Obse	erved: 🗌 Ye	s 🔤 No							Depth S	Standing Water in Hole	
Soil Log @ Lo 7 21												
Depth (in)	Soil Horizon	Soil Texture	Soil Matrix: Color-Moist	Redo	ximorphic Fea	Features % by Volume S			Soil Structure	Soil Consistence	Other	
	/Layer	(USDA)	(Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones		(Moist)		
0.2"	AP	LOAM	2543/3									
2-21	Bis	4	love 5/6									
21-138	6	LORITY	5-14/2	40"	7.54040	5%		10%				

Additional Notes: E-(DELCE OF REPORE 27" LEFISES OF 35MIT

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-S	Site Revi	ew (minim	num of two	holes re	equired at	every p	roposed p	rimary and	reserve disp	oosal area)		
Deep	Observation	Hole Numb	ber: 32 <u>/-07</u> Hole #	5 <u>34</u>	24/71	Time	Wea	HILY 30	15 Latitude		Longitude:	
1. Land l									es (e.g., cobbles,	Stones, boulders,	etc.) 2-3/2 Slope (%)	
Descri	ption of Loca	ation:										
2. Soil Pa	arent Materia	I: Sparl	or Lor	019			Landform	E		Position on Lands	SLOPE scape (SU, SH, BS, FS, TS)	
3. Distan	ces from:	Open Wate	r Body	feet		Drain	age Way _	feet	Wetla	nds fe	et	
Material	Property Linefeet Drinking Water Wellfeet Otherfeet 4. Unsuitable Materials Present: Yes No If Yes: Disturbed Soil Fill Material Weathered/Fractured Rock Bedrock 5. Groundwater Observed: Yes No If yes: Depth Weeping from Pit Depth Standing Water in Hole Coarse Fragments											
Depth (in)	Soil Horizon	Soil Texture	Soil Matrix:	Redo	ximorphic Fea		Coarse F		Soil Structure	Soil Consistence	Other	
Deptil (iii)	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	Son Structure	(Moist)	Other	
0-8	Ap	LOAM	25-13/3									
0-8 8-76" 76-110	Bij		10-12-5/6									
26-110	V	6	25-14/3	47"	7.5405/4	54		10%				

Additional Notes: <u>EURPENCIE OF REPOR P. 28</u> ILLEEPATE AT 83" LARINE JAGGE BOULDERS

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City/Town of Dout-165

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-S	Site Revi	ew (minin	num of two	holes re	equired at	every p	roposed p	rimary and	reserve disp	oosal area)		
Deep			ber:32 <u>1-00</u> Hole #					hir 30			Longitude:	
1. Land L	Jse: (e.g.	woodland, agri	cultural field, vac	ant lot, etc	.) Veg	PILLES	MARLE	Surface Stor	Figures (e.g., cobbles,	stones, boulders,	etc.) Slope (%)	
Descri	ption of Loca	ation:										
2. Soil Pa	arent Materia	al: Lon	5644 3	SISKI	2		Landform	15		Position on Lands	Scape (SU, SH, BS, FS, TS)	
3. Distan	ces from:	Open Wate	r Body	feet		Drain	age Way _	feet	Wetla	nds fe	eet	
Material	Property Line feet Drinking Water Well feet Other feet . Unsuitable Materials Present: Yes No If Yes: Disturbed Soil Fill Material Weathered/Fractured Rock Bedrock . Groundwater Observed: Yes No If yes: Depth Weeping from Pit Depth Standing Water in Hole Soil Log Lot 127											
Depth (in)		Soil Texture	Soil Matrix:	Redo	kimorphic Fea	atures		ragments Volume	Soil Structure	Soil Consistence	Other	
	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	Son Structure	(Moist)	other	
ő-2"	AP	SALIDY LUAM	2.5113/3									
2:25	Bis	4	10-12 5/6									
25-121	0	1.00004 301-12	5-14/2	35"	7.54296	5%		10%				

Additional Notes: <u>BUINEHCE OF REPOXEZ7''</u> I DEERACIE C BO'' CIRCULIO I JASTER & IIB'' t5form11.doc · rev. 3/15/18 BUI ROCKS WILLIN HOUE

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal • Page 3 of 5

City/Town of Poul-125

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

									reserve disp	oosal area)	
Deep (Observation	Hole Numb	ber:321-07 Hole #	3/0	<u>14/21</u>	Time	Su	111-14 30'	Latitude		Longitude:
1. Land U	Jse: $\frac{1}{(e.g., e.g.)}$	woodland, agri	cultural field, vac	ant lot, etc) Veg	R LES etation	FARE	Surface Stor	FIEL) stones, boulders,	Longitude: 2-82 etc.) Slope (%)
Descrij	otion of Loca	ation:									
2. Soil Pa	arent Materia	l: Loz	aray S	ary	>		Landform	TE		Position on Lands	scape (SU, SH, BS, FS, TS)
3. Distan	ces from:	Open Wate	r Body	feet		Drain	age Way _	feet	Wetla	nds fe	et
		Propert	y Line	feet	D	rinking W	ater Well	feet	Oth	ner fe	et
	s Present:			Distu	rbed Soil [Fractured Rock		
5. Ground	dwater Obse	erved: 🗂 Ye	s 🗌 No						and the second se	Depth S	Standing Water in Hole
[1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				LOT Z			
Depth (in)	Soil Horizon		Soil Matrix:	Redo	kimorphic Fea	Features % by Volume			Soil Structure	Soil Consistence	Other
	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones		(Moist)	
0-4"	Ap	SALIDY LOSATA	2.5-12 3/3								
0-4" 4-30"	BN	Le	10-12 5/6								
30-140	° L	LUGINY	5442	47"	7.5. Hde	5%		10%	SUMALIE		

Additional Notes: <u>LECTACE OF REPOR E 33''</u> LECTACIE E 130''

City/Town of Poul-lass

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-S	Site Revi	ew (minin	num of two	holes re	equired at	every p	roposed p	primary and	reserve disp	oosal area)	
Deep (Observatior	Hole Num	ber: 32 <u>1-02</u> Hole #	- 3/2 Da	4/2(-	Time		11-11-17 30 ather	Latitude		Longitude:
1. Land L	Jse: (e.g.	woodland, agri	icultural field, vac	ant lot, etc.	.) 07-K5 Vege	etation	S, MAPL	-ES Surface Stor	FEU nes (e.g., cobbles,	stones, boulders,	etc.) Slope (%)
Descri	ption of Loca	ation:	1								
2. Soil Pa	arent Materia	al: LOA	-174 -	SKALIE	2		Landform	1E		BACK Position on Land	Scape (SU, SH, BS, FS, TS)
3. Distance	ces from:	Open Wate	r Body	feet		Drain	age Way _	feet	Wetla	nds fe	et
	s Present: [Yes 🛓	ty Line No If Yes: s I No] Fill Mate	f yes: il Log <i>樘</i>	Weathered/ _ Depth Weepin 	Fractured Rock g from Pit		et Standing Water in Hole
Depth (in)	Depth (in) Soil Horizon Soil Texture Soil Matrix: Redoximorphi					atures		Fragments Volume	Soil Structure	Soil Consistence	Other
	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones		(Moist)	2016 W 2018
0-6	AP	Eorogri	2.5.123/3								
6-36"	Bis	Le	10-125/4	37"	7.5-125/6	5%		10%	SINGLE		
0-6 6-36 36-131	C	LODIAY SAMO	5442								

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-Site Review (minimum of two holes required at every proposed primary and reserve disposal area) 3/24/21 Ary SUMMY 303 Date Time Weather Deep Observation Hole Number: 32/-09Latitude Longitude: (e.g., woodland, agricultural field, vacant lot, etc.) 1. Land Use: Slope (% Description of Location: BACKSLOPE LOAFILLI SOLID Landform 2 Soil Parent Material: Position on Landscape (SU, SH, BS, FS, TS) 3. Distances from: Open Water Body _____ feet Drainage Way _____ feet Wetlands _____ feet Property Line feet Drinking Water Well _____ feet Other feet 4. Unsuitable Materials Present: Yes Ko If Yes: Disturbed Soil Fill Material Weathered/Fractured Rock ☐ Bedrock 5. Groundwater Observed: Yes No If yes: Depth Weeping from Pit Depth Standing Water in Hole Soil Log 🤌 /oT 30 **Coarse Fragments Redoximorphic Features** Soil Soil Matrix: Soil Horizon | Soil Texture % by Volume Depth (in) Soil Structure Consistence Other Color-Moist /Layer (USDA) Cobbles & (Moist) Depth Percent Gravel Color (Munsell) Stones 5-124 AD LOAR 25-13/3 Bis 1042 5/6 SULLINE LOBITY 37" 34 7.5454 5% 544/2 SALD HIRCOIN

Additional Notes:

LEHSES OF SAND

Commonwealth of Massachusetts City/Town of 100((-()_155

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

									reserve disp	oosal area)	
Deep (Observatior	Hole Numl	ber: <u>32/-/0</u> Hole #	3/	<u>3//21</u>	AFA	CLC	ather	2 Latitude		Longitude:
1. Land L	Jse: (e.g.	woodland, agr	icultural field, vac	cant lot, etc		PILIES	MAR	Surface Stor	nes (e.g., cobbles,	Stones, boulders,	Euler Longitude: etc.) $\frac{2-93\%}{\text{Slope (\%)}}$
Descri	ption of Loca	ation:									
2. Soil Pa	arent Materia	al: Lo	star ?	SALI	2		Landform	TE		Position on Land	Scape (SU, SH, BS, FS, TS)
3. Distan	ces from:		r Body						Wetla		
	ble s Present: [dwater Obse] Yes 🎴				_ Fill Mate	f yes: il Log 🔏	Weathered/ _ Depth Weeping	Fractured Rock g from Pit		eet Standing Water in Hole
Depth (in)	Soil Horizon /Layer	Soil Texture (USDA)	Soil Matrix: Color-Moist	1000 COM	ximorphic Fea		% by	Fragments Volume Cobbles &	Soil Structure	Soil Consistence	Other
a n	-	54124	(Munsell)	Depth	Color	Percent	Gravel	Stones		(Moist)	
0-4	AP	LUpra	542 7/1								
4-24"	Bis	La .	2545/4								
0-4 1-24'' 21-95	6	LOAMY Solo	7.5444	38"	7.54254	5%		10%	Loose Zittole Cileniu		

Additional Notes: <u>REFLECTE 95''</u> ELIPEHCE OF REPORE 32''

City/Town of Doul-11-25

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-S	Site Revi	ew (minin	num of two	holes re	equired at	every p	roposed p	rimary and	reserve disp	oosal area)	
Deep	Observatior	Hole Num	ber:37 <u>1-11</u> Hole #	3/	3//21	Ar1 Time	CLoo	ather	<u> </u>		Longitude:
1. Land U	Jse: <u>(e.g.</u>	woodland, agr	へいフ icultural field, vac	ant lot, etc	Onks P	etation	FUNDE	Surface Stor	FEI	stones, boulders,	etc.) Slope (%)
Descri	ption of Loca	ation:									
2. Soil Pa	arent Materia	al: <u>1.06</u>	othy S	ALIS	2		Landform	ne		Position on Lands	Scape (SU, SH, BS, FS, TS)
3. Distan	ces from:		r Body						Wetla		
	s Present: [Yes 🚺	ty Line No If Yes: s 💽 No] Fill Mat		Weathered/	Fractured Rock		et Standing Water in Hole
	Soil Horizon	Soil Texture	Soil Matrix:	Redo	ximorphic Fea		Coarse F	- ragments Volume		Soil	
Depth (in)	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	Soil Structure	Consistence (Moist)	Other
0-4"	AP	Sar 104 Logra	5-122/1								
0-4" 4-32"	BW	4	2.5+2 5/4								
32-123	0	LOSINY Samp	25-44	56"	75400	5%		15%	PLASTY		

Additional Notes:

EUDENCE OF REPOX & 36"

Commonwealth of Massachusetts City/Town of Doul-1-155

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

									reserve disp		
Deep (Observation	Hole Numb	ber: 3 <u>21-12</u> Hole #	? <u>3/</u>	3//21 _	/sra Time	<u>Loc</u> Wea	1194 50 Ither	Latitude		Longitude:
1. Land U	Jse: <u>l</u> ,	woodland, agri	Cultural field, vac	ant lot, etc	.) Vege	PILISS etation	s, MAR!	Surface Stor	EEL nes (e.g., cobbles,	Stones, boulders,	Etc.) Slope (%)
Descri	ption of Loca	ation:									
2. Soil Pa	arent Materia	al: <u>Lo</u> ,	stry -	BALIC	2		Landform	ne		Position on Lands	Scape (SU, SH, BS, FS, TS)
3. Distan	ces from:	Open Wate	r Body	feet		Drain	age Way	feet	Wetla	nds fe	et
		Propert	y Line	feet	D	rinking W	ater Well _	feet	Otl	ner fe	et
	s Present: [No If Yes:	🗌 Distu	rbed Soil				Fractured Rock		
5. Groun	dwater Obse	erved: 🗌 Ye	s 🗌 No						g from Pit	Depth S	Standing Water in Hole
						So		LOT 4			
Depth (in)	Soil Horizon	Soil Texture	Soil Matrix:	Redo	ximorphic Fea	atures		Volume	- Soil Structure	Soil Consistence	Other
	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	oon on detaile	(Moist)	Cillor
0-3"	AP	SISTING LOGTI	5-122/1								
	Bis	4	25-125/4								
3-76 26-100	0	LOBERTY SALLS	2.544/4	29"	7.540 40	5%					

Additional Notes: TOP OF ROCK & 485 / REFLISAL & 100 " LELISIES OF SALLS

Commonwealth of Massachusetts City/Town of Pould/25

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-S	Site Revi	ew (minin	num of two	holes re	equired at	every p	roposed p	orimary and	reserve disp	osal area)	
Deep (Observatior	Hole Num	ber: 3 <u>21-13</u> Hole #	3/3	3/21 -	<u>کرتم</u> Time	<i>CLou</i> Wea	101 Gi	S Latitude		
1. Land L									es (e.g., cobbles,	t) stones, boulders,	Longitude: 2-3% etc.) Slope (%)
Descri	ption of Loca	ation:									
2. Soil Pa	arent Materia	al:					Landform		1 0	Position on Land	scape (SU, SH, BS, FS, TS)
3. Distan	ces from:	Open Wate	r Body	feet		Drain	age Way _	feet	Wetla	nds fe	eet
		Proper	ty Line	feet	D	rinking W	ater Well	feet	Ot	ner fe	et
	s Present: [No If Yes: s D No	Distu	rbed Soil [l	f yes:		Fractured Rock g from Pit		Standing Water in Hole
Denth (in)	Soil Horizon	Soil Texture	Soil Matrix:	Redo	ximorphic Fea		Coarse I	Fragments Volume	0	Soil	Other
Depth (in)	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	Soil Structure	Consistence (Moist)	Other
0-3"	AP	SISH 24 LOGATA	512 2/1								
3-27"	Bio	21	2.545/6								
27:35	6	LUDINY SALID	251 414	30"	7.51054	Sel		15%	PLATY		
											E.

Additional Notes: BOULDERS C. 555'' LEHSES OF SALIO

City/Town of Poul-Las

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Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

									reserve disp		
Deep C	Observation	Hole Numb	ber:32 <u>1-14</u> Hole #	3/3/	121 -	Ar1 Time	<u> </u>	104 Sc ather	Latitude		Longitude:
1. Land U	lse: (e.g.,	woodland, agri	Cultural field, vad	cant lot, etc.	OAKS) Vege	Pirles,	INSPLE	Surface Stor	Latitude FEE ion nes (e.g., cobbles,	stones, boulders,	Longitude: 2-32 etc.) Slope (%)
Descrip	otion of Loca	ition:									
2. Soil Pa	rent Materia	1: Low	ray Sa	417			Landform	IE	1	BACKS Position on Land	scape (SU, SH, BS, FS, TS)
3. Distand	ces from:	Open Wate	r Body	feet		Drain	age Way _	feet	Wetla	nds fe	eet
4. I luga itak		Propert	y Line	feet	D	rinking W	ater Well _	feet	Ot	her fe	et
4. Unsuitat Materials		Yes 🔄	No If Yes:	🗌 Distu	rbed Soil] Fill Mate	erial [Weathered/	Fractured Rock	Bedrock	
5. Ground	dwater Obse	erved: 🔁 Ye	s 🗌 No						g from Pit	Depth \$	Standing Water in Hole
								LOT C Fragments			
Depth (in)	(in) Soil Horizon Soil Texture Soil Matrix: Redoximorph				ximorphic Fea	atures		Volume	Soil Structure	Soil Consistence	Other
	/Layer	(USDA)	(Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones		(Moist)	
0-3	AP	LOGAN	5422/1								
3.28	Bio	4	2515/4								
25-122	6	LOBARY SALO	2.5-14/4	100 M	7.54234	5%		10%	PLATY		
Additic	nal Notes:			L	1			1-1201	DULATE	20120'	6
Auditic E	DEHCE	OF RE	DOXR	32"/	LEEPA	STE	0 112"	RADO	+PLLATE	- 160	

LENISES OF SOND

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

	C. On-Site Review (minimum of two holes required at every proposed primary and reserve disposal area) Deep Observation Hole Number: $\frac{3/3/21}{Hole \#}$ $\frac{3/3/21}{Date}$ $\frac{120101}{Time}$ $\frac{50^{-5}}{Weather}$ Latitude Latitude													
Deep (Observation	n Hole Numb	ber: 321-15 Hole #	5 <u>3/</u>	31/21 -	<u>۸۲۰</u> Time	<u>ZLo</u> Wea	upy 50 ather	Latitude		$\frac{\text{Longitude:}}{\text{Longitude:}}$			
1. Land L	Jse: <u>(e.g.</u>	, woodland, agri	SELOZ icultural field, vac	ant lot, etc) Vége	tation	FIRPLE	Surface Stor	FELJ nes (e.g., cobbles,	stones, boulders,	etc.) Slope (%)			
Descri	ption of Loca	ation:	Wheeler and the states and the second											
2. Soil Pa	arent Materia	al: 1.00	UNY S	ALI	>		Landform	ie.		Position on Lands	scape (SU, SH, BS, FS, TS)			
3. Distan	ces from:	Open Wate	r Body	feet		Drain	age Way	feet	Wetla	nds fe	eet			
		Propert	ty Line	feet	D	rinking W	ater Well	feet	Ot	her fe	et			
4. Unsuitat Material	ole s Present [.] [∃ Yes 🔽	No If Yes:	🗖 Distu	rbed Soil [☐ Fill Mate	erial [□ Weathered/	Fractured Rock	Bedrock				
			s 🛛 No					-71768			Standing Water in Hole			
Soil Log @ LOT 7														
Dearth (in) Soil Horizon Soil Matrix: Redoximorphic Features Coarse Fragments % by Volume Soil Structure Soil														
	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones		(Moist)				
0-4'	Ap	Sichizy Locarn	sinzli											
4-30"	Biu	4	2.545/4											
30-124	6	LUDAY SALL?	7.546/4	36"	7.5.105/4		20%	>	RATY					

Additional Notes:

LELGES OF SALLO SURFICE BUCKS ALLO BOULDERS

City/Town of poulal-155

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

	C. On-Site Review (minimum of two holes required at every proposed primary and reserve disposal area) Deep Observation Hole Number: $\frac{32/1-14}{Hole \#}$ $\frac{3/31/21}{Date}$ $\frac{Arr}{Time}$ $\frac{C1-OUO(1-50)^{-2}}{Weather}$ Latitude Latitude													
Deep	Observation	Hole Numb	ber: 32 <u>1-14</u> Hole #	3/3	1/21 The -	Arn Time	CI-00 Wea	10(50 ather	Latitude		Longitude:			
1. Land U									FELD nes (e.g., cobbles,	stones, boulders,				
Descri	ption of Loca	ation:	******											
2. Soil Pa	arent Materia	1: <u>Lor</u>	aray S	RHIT	>		Landform	E		Position on Lands	SCAPE (SU, SH, BS, FS, TS)			
3. Distan	ces from:	Open Wate	r Body	feet		Drain	age Way _	feet	Wetla	nds fe	eet			
		Propert	y Line	feet	D	rinking W	ater Well	feet	Ot	her fe	et			
4. Unsuital Material	ble s Present: [Yes 🔽	No If Yes:	🗌 Distu	rbed Soil [] Fill Mate	erial [] Weathered/	Fractured Rock	Bedrock				
5. Groundwater Observed: Yes No If yes: Depth Weeping from Pit Depth Standing Water in Hole														
Soil Log @167/7														
Depth (in)	Soil Horizon	Soil Texture	Soil Matrix:	Redo	ximorphic Fea	atures		Fragments Volume	Soil Structure	Soil Consistence	Other			
Depth (m)	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	Son Structure	(Moist)	Otter			
0-5"	AP	LUPPA	5422/1											
5-28	Bis	21	254546											
0-5" 5-28 28-110	C	LOWING	2.5-1414	35"	7.5-12-4	5%		10%	RATY					

Additional Notes: LEHSES OF SAMP REFUSAL AT 110"

City/Town of DOU(-LAD

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

	C. On-Site Review (minimum of two holes required at every proposed primary and reserve disposal area)													
Deep (Deep Observation Hole Number: 32/-17 3/3/21 Arr Cloud 50' 1. Land Use: 10000126110 06K5 Pinles File File File File File File File File													
1. Land U	Jse: <u>10</u> (e.g.,	woodland, agri	icultural field, vac	ant lot, etc	.) Vege	THES etation	FARPLE	Surface Stor	es (e.g., cobbles,	stones, boulders,	etc.) <u>2-92</u> Slope (%)			
Descri	ption of Loca	ation:												
2. Soil Pa	arent Materia	1: LOB	itay sa	LAID			Landform	E		Position on Lands	Scape (SU, SH, BS, FS, TS)			
3. Distan	ces from:	Open Wate	r Body	feet		Drain	age Way _	feet	Wetla	nds fe	et			
Material	Property Line feet Drinking Water Well feet Other feet . Unsuitable Materials Present: Yes No If Yes: Disturbed Soil Fill Material Weathered/Fractured Rock Bedrock . Groundwater Observed: Yes No If yes: Depth Weeping from Pit Depth Standing Water in Hole Soil Log Lot 1/4 or Lot 1/4 Soil Horizon Soil Horizon Soil Matrix: Redoximorphic Features Coarse Fragments Soil Structure Soil Structure Soil													
Depth (in) Soil Horizon /Layer Soil Texture (USDA) Soil Matrix: Color-Moist Redoximorphic Features Coarse Fragments % by Volume Soil Structure Soil Consistence (Moist)														
0.4'	AP	SALIDI Laporn	5-122/1					Stones						
4-29"	BU	Li	2.51 5/6											
29-111	6	LUDARY SAL19	2.54 4/4	39'	TESTER	5%		5%	PLATI					

Additional Notes:

LENGES OF SALL ENGENCE OF BEPOX AT 33" TOP OF RUCK AT 54"

City/Town of Poul-LAS

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-S	Site Revi	ew (minim	num of two	holes re	equired at	every p	roposed p	rimary and	reserve disp	oosal area)				
Deep Observation Hole Number: 321-18 3131/21 Arr Cloud 50 5 1. Land Use: Independent field, vacant lot, etc.) Or VS, Pintes Markets Eise Latitude Longitude: 2. Land Use: Independent field, vacant lot, etc.) Vegetation Surface Stones (e.g., cobbles, stones, boulders, etc.) Slope (%)														
1. Land L	Jse: (e.g.,	woodland, agri	icultural field, vac	cant lot, etc	.) Veg	PILES	MAPL	Surface Stor	FEL nes (e.g., cobbles,	stones, boulders,	Longitude: <u>Z-94</u> etc.)Slope (%)			
Descri	ption of Loca	ation:												
2. Soil Pa	arent Materia	al: Lor	stay S	Stip			Landform	stile		Position on Land	scape (SU, SH, BS, FS, TS)			
3. Distan	ces from:	Open Wate	r Body	feet		Drain	age Way _	feet	Wetla	nds fe	eet			
Material	Property Line feet Drinking Water Well feet Other feet 4. Unsuitable Materials Present: Yes No If Yes: Disturbed Soil Fill Material Weathered/Fractured Rock Bedrock 5. Groundwater Observed: Yes No If yes: Depth Weeping from Pit Depth Standing Water in Hole Soil Log @Lot 7 9 Coarse Fragments % by Volume Soil Structure Soil Other Other Other													
Depth (in)	Soil Herizon Soil Texture Soil Matrix: Redoximorphic Features Coarse Fragments Soil													
0-4'	Ap	SILLIDY LORDFI	5422/1					Stones						
4-28	BW	4	2.5-15/6											
28:105	° C	LOBERTY SKELLS	2544/4	36"	7.5-125/	5%		54	RATY					

Additional Notes: LELIPELLIE OF REPORT AT 25" LELIPES OF SIGNID REFLISAL AT 105" to form 11. doc · rev. 3/15/18 SURFACE ROCKS AND BOULDIERS

Commonwealth of Massachusetts City/Town of Doughass

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-S	Site Revi	ew (minin	num of two	holes re	equired at	every p	roposed p	orimary and	reserve dis	oosal area)			
Deep	Observatior	n Hole Numl	ber: 321-19 Hole #	3/1 Da	3//21	Time	CLO Wea	upy 52	Latitude FELC		Longitude:		
1. Land l	Jse: (e.g.	, woodland, agr	LAND icultural field, vac	cant lot, etc	.) Veg	PINES etation	FARRE	Surface Stor	FELC nes (e.g., cobbles,) stones, boulders,	etc.) Slope (%)		
	ption of Loca		-					-					
2. Soil Pa	arent Materia	al: <u>Maren</u>	AUTI	Sab	10		Landform	1E		Position on Land	CSLOPE scape (SU, SH, BS, FS, TS)		
3. Distan	ces from:	Open Wate	r Body	feet		Drain	age Way _	feet	Wetla	inds fe	eet		
4. Unsuital	ole	Proper	ty Line	feet	D	rinking W	ater Well _	feet	Ot	her fe	eet		
Material	s Present: [Yes 🔽	No If Yes:	🗌 Distu	rbed Soil [Fill Mate	erial [Weathered/	Fractured Rock	Bedrock			
5. Groun	dwater Obse	erved: 🗌 Ye	s 🖸 No			H	yes:	_ Depth Weepin	g from Pit	Depth \$	Standing Water in Hole		
Soil Log @ LOT &													
Depth (in)	Depth (in) Soil Horizon Soil Texture Soil Matrix: Redoximorphic Features Coarse Fragments Soil												
	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	Soil Structure	Consistence (Moist)	Other		
0-9'	AP	LOPER	5422/1										
4-29"	Bio	Jr	2545/4										
29-99	C	IMED. Sahid		32"	7.5-12-14	5%		10%					
										.*			

City/Town of poulals

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

						every p	roposed p	rimary and	reserve disp	oosal area)			
Deep Observation Hole Number: 321-20 3/3//21 Arg Cloud for 1. Land Use: 1. Vegetation 1. Vegetation 1. Surface Stones (e.g., cobbles, stones, boulders, etc.) 1. Slope (%)													
1. Land U	Jse: (e.g.,	woodland, agri	cultural field, vac	ant lot, etc	OAKS P	tation	FILARE	Surface Stor	Feig nes (e.g., cobbles,	Stones, boulders,	Etc.) Slope (%)		
Descri	otion of Loca	ition:											
2. Soil Pa	arent Materia	I: MET	PILITA -	Satis	2		Landform	-1E		BISCIC Position on Lands	51_0 75 scape (SU, SH, BS, FS, TS)		
3. Distan	ces from:	Open Water	r Body	feet		Drain	age Way _	feet	Wetla	nds fe	eet		
		Propert	y Line	feet	D	rinking W	ater Well	feet	Otl	ner fe	eet		
5. Groundwater Observed: Yes No If yes: Depth Weeping from Pit Depth Standing Water in Hole Soil Log PLOTIO													
Coarse Eragmente													
Depth (in)	Soil Horizon	- 2011년 1월 - 1월 2011년 1월 1일	Soil Matrix:	Redo	ximorphic Fea	atures		Volume	Soil Structure	Soil Consistence	Other		
	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones		(Moist)			
05"	AP	Safipy Lubra	542 Zli										
5.25"	Biu	LUNTY SALLO MED.	2.545/6										
0-5" 5-25" 25-99"	6	17150. Starli?	2544/4	56"	7.54240	540			L00512				
					- PICZO								

Additional Notes: <u>ELIPELCIE OF RAPOX & 33''</u> GROUNDLINTER AT 99''

City/Town of POULILAS

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

									reserve disp	osal area)			
Deep (Observation	Hole Num	ber: 32 <u>/ 2 </u> Hole #	<u>3/3</u>	15/1	Time	CL (Wea	ather	Latitude		Longitude:		
1. Land L	Jse: (e.g.,	woodland, agri	cultural field, vac	ant lot, etc	OAK <u>S (</u> .) Veg	PINES etation	i gript	Surface Stor	es (e.g., cobbles,	stones, boulders,	Eungitude: 2-8% etc.) Slope (%)		
Descri	otion of Loca	ation:											
2. Soil Pa	arent Materia	1: r <u>160</u>	illia S		•	<u></u> :	Ländform	E		Position on Lands	Scape (SU, SH, BS, FS, TS)		
3. Distand	ces from:	Open Wate	r Body	feet		Drain	age Way	feet	Wetla	nds fe	eet		
Property Line feet Drinking Water Well feet Other feet 4. Unsuitable Materials Present: Yes No If Yes: Disturbed Soil Fill Material Weathered/Fractured Rock Bedrock 5. Groundwater Observed: Yes No If yes:													
Soil Horizon Soil Texture Soil Matrix: Redoximorphic Features Coarse Fragments Soil													
Depth (In)	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	Soli Structure	(Moist)	Other		
0-6	AP	LOBATI	SEZLI										
6-30	Bu	Lowrry Bratio	2.575/6	25	7.5125/	5%		15%	LOOSE SINVALE (-IRAIL)				
30-103	C	THEP.	2.516/4										

Additional Notes: <u>LEEPACTE AT 70</u> ALLOT OF COFBLES

FATH. LOURIEL

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Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal • Page 3 of 5

City/Town of Poulalis

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

									reserve disp	oosal area)				
Deep C	Observation	Hole Num	ber: <u>321 - 22</u> Hole #	3/3 Da	3/21	Time	CLO Wea	404 5a	Latitude		Longitude:			
1. Land U									FEU nes (e.g., cobbles,	stones, boulders,				
1	otion of Loca								3					
2. Soil Pa	rent Materia	ELLE	E STALIC	7			Landform	E	<u></u>	Position on Lands	scape (SU, SH, BS, FS, TS)			
									Wetla					
Materials	Property Line feet Drinking Water Well feet Other feet Unsuitable Materials Present: Yes No If Yes: Disturbed Soil Fill Material Weathered/Fractured Rock Bedrock Groundwater Observed: Yes No If yes: Depth Weeping from Pit Depth Standing Water in Hole													
5. Ground														
	Soil Log @ Lot 2 Coarse Fragments Soil													
Depth (in)	Soil Horizon /Layer	Soil Texture (USDA)	Soil Matrix: Color-Moist	Redox	kimorphic F	eatures		Volume	Soil Structure	Soil Consistence	Other			
	/Layer		(Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones		(Moist)				
0-5	AP	LOBIN	5422/1											
5-15	Bis	LUSTRY	254516											
18-68	C	FUNE	25-17/3					5%						

Additional Notes:

LUBERAGE AT ZO" CHZULHOLASTER AT ZZ"

REPOX TIJROU/-140U7 t5form11.doc · rev. 3/15/18 LELISES OF COURSE SOLID

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal • Page 3 of 5

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City/Town of Dou HLAS

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-S	Site Revi	ew (minim	num of two	holes re	equired at	every p	roposed p	rimary and	reserve disp	oosal area)				
Deep (Deep Observation Hole Number: $321-23$ $3/31/21$ String Chourse field I. Land Use: Surface Stones (e.g., coobbles, stones, boulders, etc.) Slope (%)													
1. Land L	Jse: $\frac{\lambda_{e.g.}}{(e.g.)}$	woodland, agri	icultural field, vac	ant lot, etc) Veg	HE Fr	INRES	>	es (e.g., cobbles,	stones, boulders,	etc.) Slope (%)			
Descri	ption of Loca	ation:	1 <u></u>											
2. Soil Pa	arent Materia	al: 106	rall Sk	140			Landform			Position on Lands	SLOPE scape (SU, SH, BS, FS, TS)			
3. Distan	ces from:	Open Wate	r Body	feet		Drain	age Way	feet	Wetla	nds fe	eet			
		Propert	ty Line	feet	D	rinking W	ater Well	feet	Otl	her fe	et			
	Materials Present: Yes Disturbed Soil Fill Material Weathered/Fractured Rock Bedrock 5. Groundwater Observed: Yes No If yes: Depth Weeping from Pit Depth Standing Water in Hole													
	Soil Log & Lot 14													
Depth (in)	Soil Horizon	Soil Texture	Soil Matrix:	Redo	ximorphic Fea	atures		-ragments Volume	Soil Structure	Soil Consistence	Other			
Deptil (III)	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	oon ou detaile	(Moist)	e li oi			
0-8	AF	LOATI	ESTRZII											
5.26	13.0	Le	2515/6											
28-109	6	LOAMY SKX19	25-14/4	30"	7.51021	5%		5%						

Additional Notes:

LIEEPAGE AT 100" ENIDENCE OF REFDOX 18"

LENSES OF SOLID

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

									reserve disp	osal area)				
Deep	Observation	Hole Num	ber: 32 <u>1-24</u> Hole #	- <u>3/3</u>		<u>کربر</u> Time	C1_00 Wea	ather	S Latitude		Longitude:			
1. Land L	Jse: (e.g.,	woodland, agri	cultural field, vac	cant lot, etc	OAKS P	LIES !	NURPLE	Surface Stor	EEIU es (e.g., cobbles,	stones, boulders,	$\frac{1}{\text{Longitude:}}$ $\frac{1}{2-3}$ etc.) Slope (%)			
Descri	ption of Loca	ation:												
2. Soil Pa	arent Materia	al: <u>100</u>	stat (=	Sall	>		Landform	TE		Position on Lands	SLOPF scape (SU, SH, BS, FS, TS)			
3. Distan	ces from:	Open Wate	r Body	feet		Drain	age Way _	feet	Wetla	nds fe	et			
Material	Property Line feet Unsuitable Materials Present: Yes No If Yes: Disturbed Soil Fill Material Weathered/Fractured Rock Bedrock Groundwater Observed: Yes No If yes: Depth Weeping from Pit Depth Standing Water in Hole Soil Log A Lot 13 Coarse Fragments % by Volume Soil													
Depth (in)	Soil Horizon Soil Toxturo Soil Matrix: Redoximorphic Features % by Volume Soil													
0-8	AP	Saria1 Lapra	SINZLI											
8-28	1310													
28-108	6	LOGTAY SALID	2.545/6	25	7.5.105/4	5%		5%						

Additional Notes:

SOIL ILLET

LEASES OF LOARY AT BOTTOM

City/Town of Doy 14145

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-S	Site Revi	ew (minin	num of two	holes re	equired at	every p	roposed p	rimary and	reserve disp	osal area)				
Deep (Observatior	Hole Num	ber: 32 <u>1-74</u> Hole #	5 3/	31/21 -	/Sr.	n Cla Wea	ather	z'S Latitude		Longitude:			
1. Land L	Jse: (e.g.,	woodland, agri	cultural field, vac	ant lot, etc	.) Vege	5 Purls	ES, MUL	Surface Stor	Elec (e.g., cobbles,	stones, boulders,	etc.) 2-92/ Slope (%)			
Descri	ption of Loca	ation:												
2. Soil Pa	arent Materia	: SOLI	04 600	arg			Landform	E		Position on Lands	Scape (SU, SH, BS, FS, TS)			
3. Distan	ces from:	Open Wate	r Body	feet		Drain	age Way _	feet	Wetla	nds fe	et			
Material	Property Line feet Drinking Water Well feet Other feet . Unsuitable Materials Present: Yes No If Yes: Disturbed Soil Fill Material Weathered/Fractured Rock Bedrock . Groundwater Observed: Yes No If yes: Depth Weeping from Pit Depth Standing Water in Hole Soil Log Coarse Fragments Soil Horizon Soil Matrix: Redoximorphic Features Coarse Fragments Soil Soil													
Depth (in)	Soil Horizon /Layer	Soil Texture (USDA)	Color-Moist	Redo Depth	ximorphic Fea	or Percent Gravel Cobbles &			Soil Structure	Soil Consistence (Moist)	Other			
0-4	AP	Source Logra	(Munsell) Sizzli	Dopti	00101	rereent	Glaver	Stones		(
4-25 28-66 66-107	Bill	2,	2545/0											
28-66	Ci	LOBRICY BALLO	2.544/4	31"	7.5-125/4	540								
(do-107	C	LOARN	2.544/2											

Additional Notes: <u>1015EPAGE ST 93</u> GIROUMDILSTER ST 109"

City/Town of Foul-1105

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-Site Review (minimum of two holes required at every proposed primary and reserve disposal area)											
Deep	Observatior	h Hole Numl	ber: 3 <u>21-2</u> Hole #	4 3/	31/21 -	Time	CLo Wea	ather	Latitude		Longitude:
1. Land l									es (e.g., cobbles,	stones, boulders,	
Descri	Description of Location:										
2. Soil Pa	2. Soil Parent Material: <u>Satisfy Loan</u> Landform <u>Landform</u> <u>BackSLOPE</u> Position on Landscape (SU, SH, BS, FS, TS)										
3. Distan	ces from:	Open Wate	r Body	feet		Drain	age Way _	feet	Wetla	nds fe	eet
Material	Property Linefeet Drinking Water Wellfeet Otherfeet 4. Unsuitable Materials Present:YesNo If Yes:Depth Material Weathered/Fractured Rock Bedrock 5. Groundwater Observed:YesNo No If yes:Depth Weeping from Pit Depth Standing Water in Hole Soil Log @ LoT 74										
Depth (in)	Soil Horizon /Layer	Soil Texture (USDA)	Soil Matrix: Color-Moist (Munsell)	Redo: Depth	ximorphic Fea	atures Percent		ragments Volume Cobbles & Stones	Soil Structure	Soil Consistence (Moist)	Other
0-3	Ap	LOBIN	5-122/1					0101100			
3-23	Bio		2.51 5/4								
23-89	· C	5	254414	27"	7.5-18-5/0	5%		5%			

Additional Notes:

LEHSES OF FILE SOLID

City/Town of DOUL-LAS

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-Site Review (minimum of two holes required at every proposed primary and reserve disposal area)											
Deep (Observatior	Hole Num	ber: 3 <u>21-2</u> Hole #	7 3/	3//21	/SCT	<u>CLo</u> Wea	upy Sather	 Latitude		Longitude:
1. Land L	Jse: <u>(e.g.</u>	woodland, agri	icultural field, vac	ant lot, etc	.) Veg	etation	F9APIE	Surface Stor	FECS nes (e.g., cobbles,	stones, boulders,	
Descri	Description of Location:										
2. Soil Pa	2. Soil Parent Material: SALIDY LOANS LOANS LOANS LOANS LOANS DO LANDSCOPE Position on Landscope (SU, SH, BS, FS, TS)										
3. Distan	ces from:	Open Wate	r Body	feet		Drain	age Way _	feet	Wetla	nds fe	eet
		Proper	ty Line	feet	D	rinking W	ater Well	feet	Ot	ner fe	et
4. Unsuitat Material	ole s Present: [Yes 🖌	No If Yes:	Distu	rbed Soil [] Fill Mate	erial [Weathered/	Fractured Rock	Bedrock	
5. Ground	dwater Obse	erved: 🖵 Ye	s 🗌 No			ľ	f yes:	_ Depth Weeping	g from Pit	Depth S	Standing Water in Hole
F			Г — Т			So		LOT ZZ	-		
Depth (in)	Soil Horizon	Soil Texture	Soil Matrix:	Redo	ximorphic Fea	atures		Fragments Volume	Soil Structure	Soil Consistence	Other
Deptil (iii)	/Layer	(USDA)	Color-Moist (Munsell)	Depth	Color	Percent	Gravel	Cobbles & Stones	Son Structure	(Moist)	Oulei
05	AP	LOGTI	5-122/1								
5.27	Biu		2545/6								
27-105	C	Sr	2.547/3	25	7.5.125/	. 5%		5%			

Additional Notes: NJEEPS/JE ST 35"

LEHSES OF SCHIP

City/Town of Poul-1-25

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

D. Determination of High Groundwater Elevation

1.	Method Used:		Obs. Hole #		Obs. Hole #_				
	Depth observed standing water in observation ho	Depth observed standing water in observation hole			inches				
	Depth weeping from side of observation hole	Depth weeping from side of observation hole			inches				
	Depth to soil redoximorphic features (mottles)		inches		inches				
	 Depth to adjusted seasonal high groundwater (S_h (USGS methodology) 	h)	inches		inches				
	Index Well Number Re	eading Date							
	$S_h = S_c - [S_r \times (OW_c - OW_{max})/OW_r]$								
	Obs. Hole/Well# S _c	S _r	OW _c	OW _{max} _	C	DW _r	S _h		
2. E	Estimated Depth to High Groundwater:								

E. Depth of Pervious Material

1. Depth of Naturally Occurring Pervious Material

a.	Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil	absorption
sys	stem?	

🕑 Yes 🗌 No

Upper boundary:

-RID-BL ower boundary:

inches

inches

Lower boundary:

inches

Horizons)? c. If no, at what depth was impervious material observed?

b. If yes, at what depth was it observed (exclude A and O

Upper boundary:



City/Town of POUL-Las

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

F. Certification

I certify that I am currently approved by the Department of Environmental Protection pursuant to 310 CMR 15.017 to conduct soil evaluations and that the above analysis has been performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017. I further certify that the results of my soil evaluation, as indicated in the attached Soil Evaluation Form, are accurate and in accordance with 310 CMR 15.100 through 15.107.

Signature of Soil Evaluator 2685 LUREHCE

Date

Expiration Date of License

Name of Approving Authority Witness

Typed or Printed Name of Soil Evaluator / License #

Approving Authority

Note: In accordance with 310 CMR 15.018(2) this form must be submitted to the approving authority within 60 days of the date of field testing, and to the designer and the property owner with <u>Percolation Test Form 12</u>.

Field Diagrams: Use this area for field diagrams:



Commonwealth of Massachusetts City/Town of Couldans Percolation Test Form 12

Percolation test results must be submitted with the Soil Suitability Assessment for On-site Sewage Disposal. DEP has provided this form for use by local Boards of Health. Other forms may be used, but the information must be substantially the same as that provided here. Before using this form, check with the local Board of Health to determine the form they use.

A. Site Information

3 RL. MURPILY Street Address or Lot #	LATIE	ande
City/Town	State	Zip Code
Contact Person (if different from Owner)	Telephone N	umber
Test Results	5 - X	1 1
	3/24/21	3/24/21
Observation Hole #	Date Time	Date Time <u>321-62 Lot</u>
Depth of Perc		56'
Start Pre-Soak		
End Pre-Soak		
Time at 12"	10:50	11:00
Time at 9"	11:02	11:07
Time at 6"	11:22	11:19
Time (9"-6")	20 1111	12 17111
Rate (Min./Inch)	Train incl	4 17114 1,44
LASE CHREIE HIE Test Performed By:	Test Passed:	Test Passed: Test Failed:

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

Important: When

Comments:



Commonwealth of Massachusetts City/Town of POULALAS **Percolation Test** Form 12

Percolation test results must be submitted with the Soil Suitability Assessment for On-site Sewage Disposal. DEP has provided this form for use by local Boards of Health. Other forms may be used, but the information must be substantially the same as that provided here. Before using this form, check with the local Board of Health to determine the form they use.

A. Site Information

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

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	Owner Name 3PJ FALEPINY	S PELIELOPIMENT	N-C
	Street Address or Lot #		in he
	HOPKINTON	1714	01745
	City/Town	State	Zip Code
	Contact Person (if different from Owner)	Telephone Number	
_	, , ,		
3.	Test Results		
	Observation Hole #	3/24/21 Date 321-04 LOT 21	Date Time 321-07 Lot 29
	Depth of Perc	400	12

	3/24/21 Date Time	Date Time
Observation Hole #	321-04 20721	321-07 2072
Depth of Perc	45	52
Start Pre-Soak		
End Pre-Soak		
Time at 12"	11:05	9:48
Time at 9"	11:13	10:01
Time at 6"	11:29	0:18
Time (9"-6")	-letrin	17 MIN
Rate (Min./Inch)	6 Many Mich	6 MUNICH
	Test Passed: Test Failed:	Test Passed:
Test Performed By:		
Board of Health Witness		
Comments:		



Commonwealth of Massachusetts City/Town of Could Solution Test Form 12

Percolation test results must be submitted with the Soil Suitability Assessment for On-site Sewage Disposal. DEP has provided this form for use by local Boards of Health. Other forms may be used, but the information must be substantially the same as that provided here. Before using this fcrm, check with the local Board of Health to determine the form they use.

A. Site Information

important. when
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3P_ F1URPILY - Street Address or Lot #		1210	ol-	1485
City/Town		State	Zip Coce	170
Contact Person (if different from Owner)		Telephone Numbe	r	
Test Results				
Observation Hole #	3/24/21 321-04	Time LOT 27	3/3//21 Date 321-1	Time 4 LOT
Depth of Perc	9%	>		
Start Pre-Soak				
End Pre-Soak				
Time at 12"	9:5		12:1-	7
Time at 9"	10:0	4	12:20	2
Time at 6"	10:1	7	12:3	7
Time (9"-6")	13 51	11.	9	
Rate (Min./Inch)	SMIL	HINCH	31711-1	LINCH
	Test Passed: Test Failed:		Test Passed: Test Failed:	
Test Performed By:	ue			

215930

CONFIRMATORY DEED

U5/202

02 0CT 31 AM 10: 15

We, TAMMY RENAUD SCLAR, formerly known as TAMMY RENAUD and SUZANNE B. COTE, Trustees of Eveningside Realty Trust under a Declaration of Trust dated October 4, 1993 and recorded in the Worcester District Registry of Deeds, Book 15865, Page 95, of Northbridge, Worcester County, Massachusetts, for consideration paid and in full consideration of less than one hundred (\$100.00) dollars, grant to

EVENINGSIDE REALTY CORPORATION, a Massachusetts business corporation having a usual place of business at 15 West Street, #4, Douglas, Massachusetts 01516,

with **QUITCLAIM COVENANTS**

A certain tract or parcel of land partially in the Town of Douglas and partially in the Town of Sutton, County of Worcester, Commonwealth of Massachusetts, containing 110.20 acres, more or less, and shown as Parcel "A" on a plan entitled "Plan of Land in Douglas, Massachusetts, prepared for Eveningside Realty Trust", scale: 1' = 200', dated May 23, 1996, recorded in the Worcester District Registry of Deeds, Plan Book 787, Plan 24.

For grantors' title see deed dated October 4, 1993, recorded in Worcester District Registry of Deeds, Book 15865, Page 105.

This deed is given to confirm and correct a deed dated February 12, 2001, and recorded in Book 23624, Page 365, which has an incorrect parcel and plan reference.

The grantors hereby certify that said Trust is in full force and effect, that said Trust has not been amended or revoked, that they are the sole Trustees, and that they have been authorized by the beneficiaries to execute this deed.

Witness our hands and seals this 29^{40} day of October, 2002.

Tammy Renaud Sciar, Trustee <u>Surame B Cote Trustee</u> Suzanne B. Cote, Trustee

RETURN TO LANE AND HAMER, P.C. 100 MAIN STREET WHITINSVILLE, MA 01588

Conservation Drive, Douglas, MA Duval Road, Sutton, MA

BK27939PG294

COMMONWEALTH OF MASSACHUSETTS

Worcester, ss.

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October <u>29</u>, 2002

Then personally appeared the above named Tammy Renaud Sclar and acknowledged the foregoing instrument to be her free act and deed as Trustee of Eveningside Realty Trust, before me,

Makrochi & Bedigian, Notary Public Makrochi G. Bedigian, Notary Public My commission expires: 11-6-03

nal/5493

ATTEST: WORC. Anthony J. Vigliotti, Register



Bk: 45533 Pg: 331 Page: 1 of 3 03/08/2010 09:40 AM WD

QUITCLAIM DEED

KNOW ALL MEN BY THESE PRESENTS, that Stephen E. Cenedella and Clare M. Cenedella, husband and wife as tenants by the entirely, of Sutton, Worcester County, Massachusetts, for Five Hundred Fifty-nine Thousand, Six Hundred One and 96/100 Dollars (\$559,601.96) and other good and valuable consideration paid, hereby grant to Sutton Douglas Development LLC, a Massachusetts limited liability company with a principal address of 3 D J Murphy Lane, Hopkinton, Massachusetts, with QUITCLAIM COVENANTS, all right title and interest in and to the land with buildings thereon, in Sutton on the Southerly side of Duval Road, and in Douglas, said Worcester County shown as Lot #2 on a plan entitled "Plan of Land in Douglas, Mass. and Sutton, Mass., surveyed for Albert T. Fougere, et al", which Plan is recorded in the WORCESTER District Registry of Deeds in Plan Book 706, as Plan 112, and further bounded and described as follows:

- BEGINNING at a drill hole on the southerly line of Duval Road which point is the most northerly corner of the lot herein described;
- THENCE S. 68° 13' 59" E, 145.76 feet by the Southerly line of Duval Road to a point;
- THENCE S. 72° 09' 47" E., 29.34 feet by the Southerly line of Duval Road to a drill hole;
- THENCE S. 04° 34' 22" W., 255.58 feet by land now or formerly of Maynard to a point;
- THENCE S. 85° 34' 59" E., 175.66 feet by the Southerly line of said Maynard to an iron pin;
- THENCE S. 04° 20' 53" W., 75.27 feet by land now or formerly of Convery to a drill hole;
- THENCE S. 85° 37' 19" E., 281.29 feet by land now or formerly of said Convery to a point;
- THENCE S. 02° 22' 26" E., 136.36 feet by Lot #1 on said plan to a point;
- THENCE S. 89° 48' 06" E., 180.93 feet by said Lot #1 on the Douglas and Sutton town line to a point;

PRINCE, LOBEL, GLOVSKY & TYE LLP ATTORNEYS AT LAW 100 CAMBRIDGE STREET SUITE 2200 BOSTON, MASSACHUSETTS 02114 MASSACHUSETTS EXCISE TAX Worcester District ROD #20 001 Date: 03/08/2010 09:40 AM Ctri# 091979 12918 Doc# 00023195 Fee: \$2,553.60 Cons: \$559,601.96

2, Duval Road, Sutton and Douglas, MA Property Address: Lot

Bk: 45533 Pg: 332

- THENCE S. 00° 39' 37" W., 719.95 entering the Town of Douglas and partly by a stone wall to a stone bound;
- THENCE S. 89° 31' 34" W., 604.99 feet to a drill hole
- THENCE N. 00° 23' 30" W., 365.68 feet to a drill hole;
- THENCE S. 89° 25' 44" W., 445.14 feet to a drill hole;
- THENCE S. 88° 25' 53" W., 168.32 feet by a stone wall to a point;
- THENCE N. 00° 29' 24" E., 355.24 feet partially by a stone wall to a point;
- THENCE S. 89° 48' 06" E., 332.02 feet by the Douglas and Sutton Town line to a point;
- THENCE N. 00° 00' 00" E., 178.56 feet by land now or formerly of Guerin to a point;
- THENCE N. 16° 38' 23"E., 399.83 feet by land now or formerly of Wojcik to the point of beginning.

Containing 19.47 acres of land, more or less, according to said plan.

Subject to and with the benefit of all matters of record.

Subject to and with the benefit of all easements, appurtenances, liens, restrictions, rights, conditions, reservations, rights-of-way, covenants, provisions, orders, takings and agreements of record in so far as the same are in force and applicable.

Intending to convey all of the property contained in and granted to Grantors in deed recorded in said deeds on 08/19/1997 in Book 19091, Page 192 at the WORCESTER SOUTH County Registry of Deeds.

Witness our hands and seals as of this *l* th day of January 2010.

STEPHEN E. CENEDELLA

della ARE M. CENEDELLA

COMMONWEALTH OF MASSACHUSETTS

County of Worcester

On this <u>/4</u> day of <u>January</u>, 2010 before me, the undersigned notary public, personally appeared STEPHEN E. CENEDELLA, proved to me through satisfactory evidence of identification, which was <u>MDC</u>, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

Juda Lunder

My Commission Expires:

COMMONWEALTH OF MASSACHUSETTS

Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires July 12, 2013

County of: Worcester

On this \underline{M} day of $\underline{January}$, 2010 before me, the undersigned notary public, personally appeared CLARE M. CENEDELLA proved to me through satisfactory evidence of identification, which was \underline{MDL} , to be the person whose name is signed on the preceding or attached document, and acknowledged to me that she signed it voluntarily for its stated purpose.

Buda Kunans

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Notary Public Linda Kuindersma COMMONWEALTH OF MASSACHUSETTS My Commission Expires July 12, 2013

Notary Public My Commission Expires:

ATTEST: WORC. Anthony J. Vigliotti, Register

Bk: 64513 Pg: 32

MASSACHUSETTS QUITCLAIM DEED

I, Lynne McPherson, being unmarried, of Whitinsville, Massachusetts, 01588

For consideration paid, and in full consideration of Three Hundred Sixty Thousand and 00/100 (\$360,000.00) Dollars

grant to

Sutton Douglas Development, LLC, a Massachusetts Limited Liability Company, With an address of 3 D J Murphy Lane, Hopkinton, MA 01748

with Quitclaim covenants

The land with the buildings thereon in the Town of Douglas, Worcester County, Massachusetts being shown as Lot 21R on a plan entitled "Subdivision plan of Property owned by Paul J. Conn, Fairfax East Development, Birch Street, Douglas, Massachusetts; December 5, 1973; Cullinan Engineering Co., Inc.; Auburn, Massachusetts" and recorded with the Worcester District Registry of Deeds in Plan Book 394, Plan 29 and bounded and described as follows:

BEGINNING at the Southwesterly comer of said Lot 21R on the Easterly sideline of Forest Street, said point of beginning being at the Northwesterly comer of Lot 26R as described in said plan;

THENCE	N. 3 degrees 52' 8"	W. by the easterly	sideline of Forest	Street 220.00	feet to the
	point;				

THENCE N. 86 degrees 7' 52" E. by Lot 16R on said plan 212.86 feet to a point;

THENCE S. 03 degrees 30' 0" E. by land of Peters 220.00 feet to a point;

This conveyance is made subject to and with the benefit of restrictions and easements of record so far as now in force and applicable.

Meaning and intending to convey the same premises conveyed to the herein named Grantor(s) by deed dated March 28, 2003 and recorded with Worcester County Registry of Deeds in Book 29546, Page 368. See Death Certificate of Peter V. McPherson recorded with said Deeds in Book 35324 Page 396.

The signatories to this document hereby waive and release any and all rights of homestead to the subject property and further state under the pains and penalties of perjury that there are no others entitled to the right of homestead in subject property.

Bk: 64513 Pg: 34

Witness my hand and seal this 18 day of February, 2021.

Lynne McPherson

COMMONWEALTH OF MASSACHUSETTS

Middlesex County, ss.

On this 18 day of February, 2021, before me, the undersigned notary public, personally appeared Lynne McPherson, proved to me through satisfactory evidence of identification, which was a MAVL, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that she signed it voluntarily for its stated purpose as her free act and deed.

Notary Public: My Commission Expires: 4(10/2026

MELISSA A. GABOURY Notary Public Commonwealth of Massachusetts My Commission Expires April 10, 2026

ATTEST: WORC Kathryn A. Toomey, Register

QUITCLAIM DEED

Bk: 65809 Pg: 102

YALE UNIVERSITY, a corporation specially chartered by the General Assembly of the Colony and State of Connecticut, with a principal place of business in New Haven, Connecticut, for consideration paid of TWENTY THOUSAND and 00/100 (\$20,000.00) Dollars grants to

SUTTON DOUGLAS DEVELOPMENT LLC, a Massachusetts limited liability company with a business address of 3 D J Murphy Lane, Hopkinton, MA 01748

With QUITCLAIM COVENANTS

All of its right title and interest in the tract of woodland lying in Douglas, Massachusetts containing 5 acres, more or less, bounded as follows:

Beginning at the northwest corner of land formerly belonging to Jacob Morse;

- THENCE East on said Jacob Morse land about 37 rods to a stake and stones;
- THENCE North 8° West about 22 rods on Stephen Himpton land;
- THENCE West 9° South about 37 rods to a heap of stones;

THENCE South 8° East about 22 rods to the bound first mentioned.

For additional information with respect to the location of the premises see deed of Jonathan Leland to Obadiah Morse dated September 1, 1816, and recorded in the Worcester District Registry of Deeds in Book 206, Page 92, the premises being the second tract described in said deed.

For Grantor's title see the will of Alison Pitman, Waldo County (Maine) Probate Court Docket No. 2005-0227.

To Grantor's knowledge, the premises are vacant land and not the homestead of any individual.

Bk: 65809 Pg: 103

 3^{IN}_{A} WITNESS WHEREOF, Grantor has caused this Quitclaim Deed to be signed on this 3^{IN}_{A} day of August, 2021.

YALE UNIVERSITY

By:

Stephen C. Murphy, Chief Financial Officer & Vice President for Finance and Administration

STATE OF CONNECTICUT

COUNTY OF NEW HAVEN

On this 3.1 day of August, 2021, before me, the undersigned notary public, personally appeared the above named Stephen C. Murphy, Chief Financial Officer & Vice President for Finance and Administration for Yale University, a corporation specially chartered by the Assembly of the Colony and State of Connecticut, personally known to me or proved to me on the basis of satisfactory evidence to be the person who signed the preceding or attached instrument and acknowledged to me that he signed it in his authorized capacity, and that by his signature on the instrument, the individual executed the instrument.

Notary Public My Commission Expires: 3-31-2025 DOROTHY K KENNEDY-CHAMBERS Notary Public Connecticut My Commission Expires Mar 31, 2025