

July 23, 2018

Amanda Lessard, Town Planner Town of Windham 8 School Road Windham, ME 04062

Re: Preliminary Major Subdivision Plan Application-Response to Review Comments

Highland Woods Subdivision Chris Wilson - Applicant

Dear Amanda:

On behalf of the applicant, Chris Wilson, DM Roma Consulting Engineers has reviewed the project review comments you shared with me via email on June 13, 2018 and the comments provided by the Town Engineer in an email dated June 14, 2018. In response to your comments, we have revised the plans as necessary and provided the additional information as discussed during the Planning Board meeting and in your comments including an excavation estimate associated with the road and lot development in the rear of the property, a Traffic Study prepared by Traffic Solutions and a Nitrate Assessment prepared by Summit Geoengineering Services. Also included in the Nitrate Assessment are the test pit logs for review.

We had a discussion with Jon Earle with respect to the high intensity soil survey requirement and agreed that it would be reasonable to defer this requirement to Phase 2 when it will be required for the Maine Department of Environmental Protection permitting. Upon your review of this information, please let us know if you have any questions or require any additional information.

Sincerely,

DM ROMA CONSULTING ENGINEERS

Dustin M. Roma

Dustin M. Roma, P.E.

President

HIGHLAND WOODS ESTIMATES OF EXCAVATION QUANTITIES

AutoCAD Cut and Fill Estimate (Existing Grade VS. Finished Grade)

Cut (CY)	Fill (CY)
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64,890 1,100 63,790 CY Net Cut

Strip/Grub Volume

Surface Area of Volume Calculation =	347,110 sf
Total Depth of Road Section =	1.00 ft
Strip Volume =	12,856 CY

Road Section

Roadway Surface Area =	20,700	sf
Total Depth of Road Section =	2.33	ft
Volume of Road Section =	1,789	CY

Filter Basin Section

Basin Bottom Surface Area =	4,643 sf
Total Depth of Filter Section =	2.50 ft
Volume of Filter Section =	430 CY

Summary

Total	78,865	CY Net Cut
	79,965	1,100
Filter Basin Section Volume	430	
Road Section Volume	1,789	
Strip Volume	12,856	
Existing Grade vs. Finished Grade	64,890	1,100
	Cut (CY)	Fill (CY)



July 22, 2018

Traffic Assessment

For Proposed

Highland Woods Residential Subdivision

Windham, Maine

INTRODUCTION

Chris Wilson is proposing a twenty-two lot (22) residential subdivision on a 38.43-acre parcel of property located on the east side of Highland Cliff Road in the Town of Windham. Access will be provided with construction of a new town road that intersects Highland Cliff Road south of the Land of Nod Road.

This document determines daily and peak hour trip generation of the proposed project for both peak commuter time periods, examines current roadway safety trends in the general vicinity of the proposed project, and reviews vehicle sight distance.

SITE TRAFFIC

Site Trip Generation: Daily and peak hour trip generation was determined for the proposed project based upon trip tables presented in the ninth edition of the Institute of Transportation Engineers (ITE) "TRIP GENERATION" handbook. The ITE publication provides numerous land use categories and the average volume of trips generated by each category.

The following trip rate was used to calculate trip generation for the proposed project:

Land Use #210 - Single-Family Detached Housing

Weekday = 9.52 trips per dwelling unit AM Peak Hour = 0.75 trips per dwelling unit PM Peak Hour = 1.00 trips per dwelling unit

Accordingly, the proposed 22 single-family homes can be expected to generate a total of 209 trips during a typical weekday; 17 trips in the morning peak hour and 22 trips in the evening peak hour.

Site Trip Distribution: The Institute of Transportation Engineers handbook also provides the following directional distribution rates for a single-family home:

= 25% enter site and 75% exit site AM Peak Hour PM Peak Hour

= 63% enter site and 37% exit site

Based upon the noted directional distribution patterns, 13 trips during the morning peak hour and 8 trips in the evening peak hour will exit the site and the remaining trips (4 AM trip and 14 PM trips) will enter the site.

EXISTING SAFETY CONDITIONS

The Maine Department of Transportation's (MaineDOT) Accident Records Section provided the latest three-year (2015 through 2017) crash data for the full length of Highland Cliff Road between Pope Road and the end of the road, a distance of approximately 3.67 miles. Their report is presented as follows:

2015 -2017 Traffic Accident Summary

<u>Location</u>	Total Crashes	Critical Rate Factor
1. Highland Cliff Road @ Pope Road	1	1.11
2. Highland Cliff Road btw. Montgomery Road and Alweber Road	2	0.77
3. Highland Cliff Road btw. Canada Hill Road and Alweber Road	1	0.63

The MaineDOT considers any roadway intersection or segment a high crash location if both of the following criteria are met:

- 8 or more accidents
- A Critical Rate Factor greater than 1.00

As the data presented in the chart shows, there are no high crash locations within the defined study area.

SIGHT DISTANCE

The Maine Department of Transportation's Highway Entrance and Driveway Rules require the following sight distances for a non-mobility roadway:

Sight Distance Standards

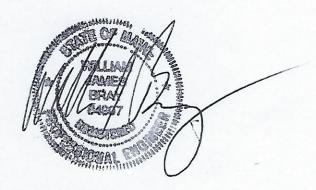
Speed Limit	Sight Distance
25 mph	200 feet
30	250
35	305
40	360
45	425
50	495
55	570

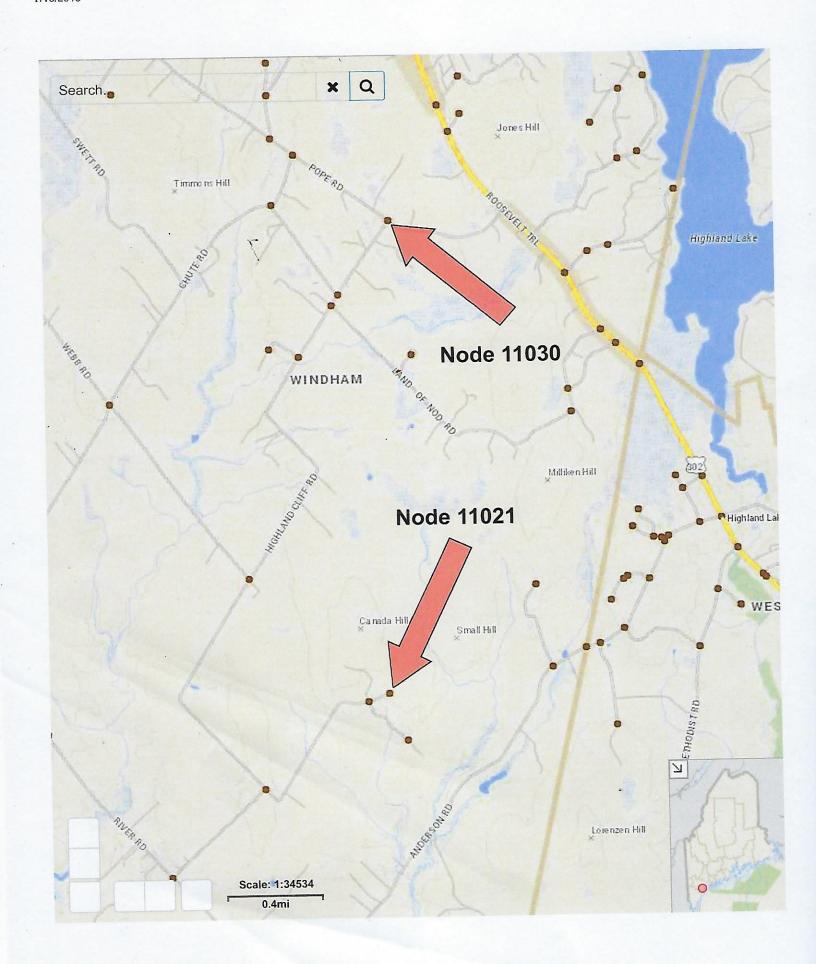
Highland Cliff Road is presently posted at 35mph, which requires an unobstructed sight distance of 305 feet. Field measurements were determined for both directions of travel from the proposed road entrance onto Highland Cliff Road consistent with MaineDOT's standard practices. A clear line-of-site in excess of 400-feet was measured both left and right from the centerline of the proposed subdivision road.

CONCLUSIONS

• The 22-lot residential subdivision can be expected to generate 209 daily trips; seventeen (17) trips in the morning peak hour and 22 trips during the afternoon peak commuter hour.

- The Maine Department of Transportation's most recent three-year (2014 to 2016) accident safety audit shows a total of 4 vehicle crashes have been reported for the full length of Highland Cliff Road.
- Vehicle sightlines measured in both directions from the proposed subdivision entrance onto Highland Cliff Road exceeds, by a considerable distance, the non-mobility highway sight distance standard for a posted speed limit of 35mph.





Maine Department Of Transportation - Traffic Engineering, Crash Records Section

Crash Summary Report

Report Selections and Input Parameters

	☐ 1320 Summary				
				Node Node	
	☐ 1320 Private		7	☐ Exclude First Node ☐ Exclude Last Node	
	☐ 1320 Public				
	✓ Crash Summary II			Start Offset: 0 End Offset: 0	
	etail	ighland Cliff Rd.	End Month: 12	11030 11021	
•	☐ Section Detail	oe Rd. to End of H	hrough Year 2017	Start Node: 11030 End Node: 11021	
REPORT SELECTIONS	✓ Crash Summary I	REPORT DESCRIPTION Windham Highland Cliff Rd. from Pope Rd. to End of Highland	REPORT PARAMETERS Year 2015, Start Month 1 through Year 2017 End Month: 12	Route: 0500712	

Maine Department Of Transportation - Traffic Engineering, Crash Records Section

Crash Summary I

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200	- annov		5	Crashes	×	, A	g 2	် ပ	- G	njury I		Crash Rate Crincal	Rate	CRF
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11027	0500712 - 0.43 Int of	11027 0500712 - 0.43 Int of HIGHLAND CLIFF RD, LAND OF NOD RD	~	0	0	0	0	0	0	0.0	0.466 Statew	Statewide Crash Rate	0.56	00.00
19540	0500712 - 0.67 Int of	19540 0500712 - 0.67 Int of HIGHLAND CLIFF RD, TUCKER DR	_	0	0	0	0	0	0	0.0	0.26	30 0.00 Statewide Crash Rate:	0.54	00.00
11025	0500712 - 1.80 Int of	11025 0500712 - 1.80 Intof HIGHLAND CLIFF RD, MONTGOMERY RD	-	0	0	0	0 .	0	0	0:0	0.18	30 0.00 Statewide Crash Rate	0.48	00.00
11020	0500712 - 2.90 Int of	11020 0500712 - 2.90 Int of AL WEBER RD, HIGHLAND CLIFF RD	~	0	0	0	0	0	0	0.0	0.202 Statew	0.00 Statewide Crash Rate:	0.50	00.0
18152	0500712 - 3.58 Int of	18152 0500712 - 3.58 Int of CANADA HILL RD, HIGHLAND CLIFF RD	~	0	0	0	0	0	0	0.0	0.062 Statew	52 0.00 Statewide Crash Rate:	-0.39	00.00
11021	11021 0500712 - 3.67 End of HIGHLAND CLIFF RD	of HIGHLAND CLIFF RD	~	0	0	0	0	0	0	0.0	0.006 Statew	0.00 Statewide Crash Rate	-20.63	0.00
Study Y	Study Years: 3.00	NODE TOTALS:	S:	-	0	0	0	0	-	0.0	2.238	0.15	0.42	0.36

Maine Department Of Transportation - Traffic Engineering, Crash Records Section Crash Summary I

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						Sections	suc								
Start End	Element	Offset	Route - MP	Section U/R		Total		Injury	Injury Crashes	S	Percent	Annual	Crash Rate	Critical	CRF
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Study Years: 3.00	3.00		Section Totals:	3.67		က	0	0	1	-	33.3	0.00670	149.16	483.92	0.31
			Grand Totals:	3.67		4	0	0	0 1	7	25.0	0.00670	198.88	522.41	0.38



July 23, 2018

Summit #18243

Dustin Roma, P.E. DM Roma Consulting Engineers PO Box 1116 Windham, ME 04062

Reference: Nitrate-Nitrogen Assessment

Proposed Highland Woods Subdivision Highland Cliff Road, Windham, Maine

Dear Dustin:

Summit Geoengineering Services (SGS) performed this nitrate-nitrogen assessment to estimate the groundwater quality impact caused by the proposed subsurface wastewater disposal systems for the Highland Wood Subdivision. The proposed residential cluster subdivision consists of twenty-two lots on approximately 40-acres of forestland located on the east side of Highland Cliff Road in Windham, Maine. A site location map showing the site and vicinity is provided as Attachment 1.

Information used for our evaluation includes a subdivision plan provided by DM Roma Consulting Engineers (DM Roma), soils test pit logs, and published geologic maps and literature. The subdivision plan includes the location of property lines, nearby off-site drinking water wells, wetlands, existing grade contours, and soil test pits. Soil test pit logs by Alex A. Finamore (LSE #391) are provided as Attachment 2.

Disposal Fields and Water Wells

Each of the house lots will be developed with a 3-bedroom home served by an individual on-site drilled bedrock well and a subsurface wastewater disposal field (septic system). The septic system and well on each lot will be permitted and constructed in accordance with the State of Maine Subsurface Wastewater Disposal Rules (10-144 CMR 241) and the Well Drillers and Pump Installer Rules (10-144A CMR 232).

Proposed disposal fields shown on the subdivision plan include conventional stone bed and plastic chamber disposal fields with a design flow of 270 gallons per day. Stone bed disposal fields measuring 15 feet by 45 feet are proposed at locations on sandy (5C) soils. Plastic chamber disposal fields measuring 15 to 21 feet wide and 38 feet long are proposed at locations on silty (7C/8C) soils. Disposal fields constructed with plastic chambers (or similar proprietary devices) are approximately half the side of a stone bed and are proposed for lots where silty soils are present to maximize the area on each lot meeting the standard 100-foot setback from proposed disposal fields.



Site Setting

Surface water drainage is generally from east to west from a topographic high on the eastern property boundary toward Colley Wright Brook located 0.3 miles east of Highland Cliff Road. Review of Maine Geological Survey maps¹ indicate the surficial geology at the site and vicinity is mapped as an endmoraine complex, and no mapped significant sand and gravel aquifers are located within approximately 3 miles of the property. End moraine complexes consist of coarse gravel, sand, till and silt that was deposited at or near the ice front of a retreated marine-based glacier.

Soil test pit logs show that sand and loamy sand soils underly the hill on the east side of the property, and fine sandy loam soils with a silt loam hardpan are present at lower elevations on the western portions of the property.

Based on a review of soil test pit logs, geological maps, surface topography, and observations made during the site visit, the silty surficial materials occurring at lower elevations of the property likely extend beneath the sandy outwash deposits located on the hill on the east side of the property. A portion of this outwash deposit has been excavated on the property to the north to the elevation roughly coincident with the broad forested wetland in the center of the site.

Based on our understanding of site geology and topography, the shallow groundwater flow direction is estimated to be downhill and toward wetland areas. The hydraulic gradient in areas underlain by fine sandy loam to silt loam soils (i.e., the western half of the site) is estimated to be half of the average topographic gradient upgradient/downgradient of the disposal field. The hydraulic gradient in areas underlain by sandy soils (i.e., the eastern half of the site) is estimated to be 0.01 (1%) based on best professional judgment.

Nitrate-Nitrogen Assessment

A nitrate-nitrogen assessment was performed to estimate the distance from the disposal fields at which the concentration in groundwater would reach the Federal National Primary Drinking Water Standard and the Maine Maximum Exposure Guideline of 10 milligrams nitrogen per liter (mg-N/L). The average concentration of nitrate in septic tank effluent discharged from the disposal field used in this assessment is 40 mg-N/L.² Septic tank effluent will drain to the disposal field and infiltrate downward through unsaturated soil until a permanent or seasonally perched groundwater table is encountered. Thereupon flow is lateral and hydraulically downgradient.

The distance at which groundwater downgradient of the disposal field reaches 10 mg-N/L (plume length) was estimated using a three-dimensional analytical solution^{3,4} for a point source in a uniform flow field. Variables used for the calculations include the permeability and effective porosity of soils, groundwater seepage velocity, and the daily mass of nitrate-nitrogen applied to groundwater. No

¹ https://www.maine.gov/dacf/mgs/pubs/index.shtml

² MEDEP, Site Location of Development Permit Application (October 2015) Section 17.B.2.(a).

³ Baetsle, L.H. (1969), Migration of Radionuclides in Porous Media; Progress in Nuclear Energy, Series SIL, Health Physics. Pergamon Press, pp. 707-730.

⁴ Chang, et al. (1998). Utilizing Baetsle's Equation to Model the Fate and Transport of MTBE in Groundwater, Proceedings of the Petroleum Hydrocarbons and Organic Chemicals in Ground Water Prevention, Detection, and Remediation Conference, Houston, TX.



allowance for nitrogen removal by soil microbes, vegetation or sorption is included in the plume length calculations as a conservative measure.

The three-dimensional analytical solution was adapted to simulate a 40-foot-long linear source area (disposal field) by assuming the direction of groundwater flow is perpendicular to the length of the field and calculating the additive effects of injecting nitrate-nitrogen into groundwater at 5-point sources located 10 feet apart along the downgradient side of the disposal field. For each point source, the steady state nitrate concentration was calculated for a regularly-spaced grid of points (point cloud) extending 5 feet apart along the plume center line to a distance of 300 feet, and at points located 5 feet apart extending cross gradient from the plume center line to a distance of 125 feet. The additive effects of each point source were then calculated by superimposing the point clouds, adding concentration values, and using data for points along the plume center line to determine the estimated plume length. In areas where disposal fields are located in close proximity and downgradient/upgradient from one another, the additive effects of multiple linear sources were simulated using the same methodology. The 10 mg-N/L nitrate plume lengths were calculated based on an assumed background nitrate concentration of 2 mg-N/L.

The treatment capacity of wetlands to remove nitrogen from groundwater through plant uptake and microbial activity is significant. Research⁵ into the capacity of planted and unplanted wetlands to remove nitrogen show nitrogen removal rates in excess of 95% for planted wetlands and removal rates of 25% to 36% in unplanted (natural) wetlands. Using the 25% nitrate removal rate in Lin et. al. (2002) a wetland area nitrate removal rate of 0.0825 grams per square meter is calculated. The wetland area required to treat the daily mass of nitrate associated with a septic system serving a 3-bedroom home is calculated to be 5,335 square feet. In instances where the nitrate plume for a disposal field intersects a mapped wetland area prior the reaching 10 mg-N/L, the wetland's capacity to provide nitrate removal was evaluated.

The permeability of site soils was estimated using values listed in the Cumberland County Soil Survey. 6 The permeability of fine sandy loam to silt loam soils is estimated to be 0.8 feet per day (ft/day) based on the range of permeabilities for Buxton silt loam (0.4 to 4.0 ft/day). The permeability of sandy soils is estimated to be 4 ft/day based on the range of permeabilities for Deerfield loamy sand (4.0 to > 12.6 ft/day). The effective porosity for the fine sandy loam to silt loam soils, and the sandy soils, is estimated based on published 7 average values for silt (0.18) and fine sand (0.21).

The table below summarizes the results of our nitrate-nitrogen assessment. It includes the calculated estimated 10 mg-N/L plume length for each disposal field, notes regarding calculation methods for specific lots, along with proposed disposal field size and soils information at each location.

⁵ Lin, et. al. (2002), Effects of macrophytes and external carbon sources on nitrate removal from groundwater in constructed wetlands. Environmental Pollution, v. 119, pp. 413-420.

⁶ USDA Soil Conservation Services (1974), Soil Survey of Cumberland County, Maine.

⁷ Fetter, C.W. (1994). Applied Hydrogeology, 3rd Edition, Prentice Hall



Lot Nos.	10 mg-N/L Plume Length	Disposal Field Size / Type	Soil Profile & Drainage Condition
1	94 feet	21' x 38' Plastic Chambers	8C
2	130 feet downslope of	21' x 38' Plastic Chambers	8C
3	Lot 1 disposal field	21' x 38' Plastic Chambers	8/7C
4	(see Note 1)	21' x 38' Plastic Chambers	8C
5, 6, 7	Ends at Wetland	21' x 38' Plastic Chambers	8C
8,9,10,11, 12	Boundary (see Note 2)	15' x 45' Stone Bed	5C or 7C
13	70 feet	15' x 45' Stone Bed	5C
14	70 feet	15' x 38' Plastic Chambers	5/7C
15	94 feet	21' x 38' Plastic Chambers	7/8C
16	70 feet	15' x 45' Stone Bed	5C or 7C
17, 18, 19, 20, 21, 22	70 feet	15' x 45' Stone Bed	5C

Notes:

- 1. The Lot 1 disposal field is directly downgradient of the disposal fields on Lots 2 and 3. The additive effects posed by the layout were simulated using three linear source areas spaced along the plume center line at distances approximated using the proposed layout.
- 2. Approximately 20,000 square feet of wetland is present downgradient of the disposal fields on lots 5 and 6, while the area of wetland downgradient of the disposal fields on the remaining lots indicated above far exceeds the 5,335 square feet of wetland required to treat a single three-bedroom septic system. The nitrate plumes for these systems are shown as terminating at the wetland boundary.
- 3. Soil test pit information is not available for the proposed disposal fields for Lots 8, 9, 10, 11, 12 and 16. The soils are assumed to be either 5C or 7C soils based on best professional judgment. Disposal fields depicted on the subdivision plan are based on an assumed 5C (sand) soil profile.

Water Supply Wells

SGS recommends that water supply wells for each lot be drilled bedrock wells installed outside of the well exclusion area shown on the enclosed subdivision plan prepared by DM Roma (Attachment C). The well exclusion area includes the 10 mg-N/L plume area associated with each disposal field and 100-foot setback area around each disposal field. The well exclusion zones are approximate, as the location and size/type of disposal fields constructed may vary from those shown.

There are areas on each lot located outside of the well exclusion zone(s) shown. However, the area for placement of a water supply well meeting the 100-foot disposal field setback is relatively small on several lots (e.g. Lots 1 and 7). In the event that a water supply well needs to be installed within a well exclusion area (< 100 feet from a disposal field), it shall be located outside the 10 mg-N/L plumes shown and topographically cross gradient or upgradient of the other proposed disposal field areas shown. Furthermore, the length of casing below the ground surface shall be increased in accordance with reduced setback criteria listed in Maine Subsurface Wastewater Rules (the same criteria are listed in the Maine Well Driller and Pump Installer Rules). Unless there is no reasonable alternative, significant changes to the proposed disposal field locations should not be made to avoid conflicts during subdivision build out.



Conclusion:

The proposed subsurface wastewater disposal systems will not result in an increase of nitrate-nitrogen above 10 mg/L in groundwater at the property boundary.

Our findings are based on our interpretation of site conditions and the information provided to us. If there are changes in lot layout, proposed septic system design flows, or significant changes in disposal field size, we request the opportunity to review the changes and conduct further analysis as necessary to confirm the changes do not alter our conclusions.

Sincerely yours,

Summit Geoengineering Services

Stephen B. Marcotte, P.G.

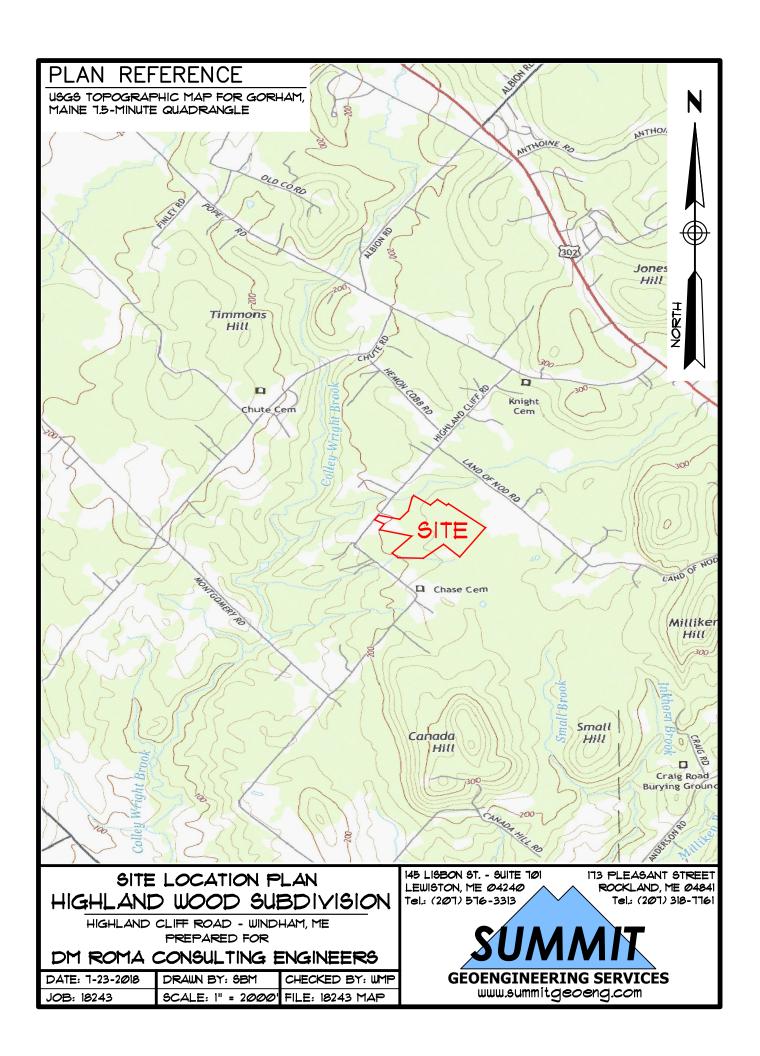
Senior Geologist

Enclosures





Attachment 1: Site Location Map





Attachment 2: Soil Test Pit Logs

FC	DRM F								
Proje	ect Name:			IL PROFILE/CLASSI etailed Description of Subsu	urface Cor			• • •	
	Annie's Way S	Subdivision		MTR Development,	LLC			Windham	
	Exploration Symbol:	SOIL DESCRIPTION AND TP-1	X Test Pit	Boring	<u> </u>	Exploration Symbol:		X Test Pit	Boring
0	Texture	Depth of Organic Horizon Above Consistency	e Mineral Soil Color	Mottling	0	Texture	Depth of Organic Horizon Above Consistency	Mineral Soil Color	Mottling
1 2 3	VERY FINE SANDY LOAM	FRIABLE	DARK BROWN	NONE OBSERVED	1 2 3	VERY FINE SANDY LOAM	FRIABLE	DARK BROWN	NONE
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(Inches)	SILT LOAM		BROWN		(<i>Inches</i>)			BROWN	
E (Inc									
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TANS 14								LIGHT OLIVE	
7/OS					7/OS	SILT LOAM		BROWN	
²⁰		SOMEWHAT FIRM	GRAYISH	FEW, FINE,			SOMEWHAT FIRM	<i>G</i> RAYI5H	FEW, FINE,
JINE 26			BROWN	& FAINT	WE!			BROWN	& FAINT
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48					40				
50					50				
60					60				
•	hydric non-hydric	Slope % 	Limiting factor	ground water restrictive layer bedrock	•	hydric non-hydric	Slope % 0-3	Limiting factor	ground water restrictive layer bedrock
C.S.S.	Soil Series / phase name:		Dusing as Olean		C.S.S.	Soil Series / phase name	:	During to Class	
	Soil Classification:	8	Drainage Class C	Hydrologic Group		Soil Classification:	8	Drainage Class <i>C</i>	Hydrologic Group
L.S.E.		Profile	Soil Condition		L.S.E.		Profile	Soil Condition	
	Exploration Symbol:	SOIL DESCRIPTION AND TP-3	X Test Pit	Boring	<u> </u>		SOIL DESCRIPTION AN		Boring
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		Depth of Organic Horizon Above	e Mineral Soil	_	[Exploration Symbol:	TP-4 Depth of Organic Horizon Above		
0 1	0 Texture	Depth of Organic Horizon Above Consistency		Mottling	0		· -		Mottling
0 1 2 3			e Mineral Soil	_	0 1 2 3		D Depth of Organic Horizon Above	Mineral Soil	
0 1 2 3 4 5	Texture VERY FINE	Consistency	Color DARK BROWN DARK YELLOWISH	Mottling NONE	0 1 2 3 4 5	Texture VERY FINE	D " Depth of Organic Horizon Above Consistency	Mineral Soil Color DARK BROWN	Mottling NONE
(sey):	VERY FINE SANDY LOAM	Consistency	Color DARK BROWN	Mottling NONE	0 1 2 3 4 5 6	Texture VERY FINE	D " Depth of Organic Horizon Above Consistency	Mineral Soil Color	Mottling NONE
0 1 2 3 4 5 6 6 7 7 8 9 9 9	VERY FINE SANDY LOAM	Consistency	Color DARK BROWN DARK YELLOWISH	Mottling NONE	0 1 2 3 4 5 6 7	Texture VERY FINE	D " Depth of Organic Horizon Above Consistency	Mineral Soil Color DARK BROWN YELLOWISH	Mottling NONE
EACE (Inches)	VERY FINE SANDY LOAM	Consistency	Color DARK BROWN DARK YELLOWISH	Mottling NONE	(luches)	Texture VERY FINE	D " Depth of Organic Horizon Above Consistency	Mineral Soil Color DARK BROWN YELLOWISH	Mottling NONE
SURFACE (Inches) 1	VERY FINE SANDY LOAM	Consistency	Color DARK BROWN DARK YELLOWISH	Mottling NONE	(luches)	Texture VERY FINE	D " Depth of Organic Horizon Above Consistency	Mineral Soil Color DARK BROWN YELLOWISH	Mottling NONE
SURFACE	VERY FINE SANDY LOAM	Consistency	Color DARK BROWN DARK YELLOWISH	Mottling NONE	0 1 2 3 4 5 5 6 6 7 7 10 112 12 14 16 16 16 16 16 16 16 16 16 16 16 16 16	Texture VERY FINE	D " Depth of Organic Horizon Above Consistency	Mineral Soil Color DARK BROWN YELLOWISH	Mottling NONE
SOIL SURFACE 10 16 18 18 18 18 18 18 18	VERY FINE SANDY LOAM	Consistency	Color DARK BROWN DARK YELLOWISH	Mottling NONE	SOIL SURFACE (Inches) 1 2 3 4 5 6 7 7 10 11 12 14 16 18 18	Texture VERY FINE SANDY LOAM	D " Depth of Organic Horizon Above Consistency	Color DARK BROWN YELLOWISH BROWN LIGHT OLIVE	Mottling NONE
SOIL SURFACE 10 16 18 18 18 18 18 18 18	VERY FINE SANDY LOAM	Consistency	Color DARK BROWN DARK YELLOWISH	Mottling NONE	SOIL SURFACE (Inches) 1 2 3 4 5 6 7 7 10 11 12 14 16 18 18	Texture VERY FINE	D " Depth of Organic Horizon Above Consistency	Color DARK BROWN YELLOWISH BROWN	Mottling NONE
SOIL SURFACE 10 16 18 18 18 18 18 18 18	VERY FINE SANDY LOAM	Consistency	Color DARK BROWN DARK YELLOWISH BROWN GRAYISH	Mottling NONE OBSERVED COMMON, MEDIUM,	SOIL SURFACE (Inches) 1 2 3 4 5 6 7 7 10 11 12 14 16 18 18	Texture VERY FINE SANDY LOAM	D " Depth of Organic Horizon Above Consistency	Color Color DARK BROWN YELLOWISH BROWN LIGHT OLIVE BROWN GRAYISH	Mottling NONE OBSERVED FEW, FINE,
SOIL SURFACE 10 16 18 18 18 18 18 18 18	Texture VERY FINE SANDY LOAM SILT LOAM LOAMY SAND	Consistency	DARK BROWN DARK YELLOWISH BROWN	Mottling NONE OBSERVED	BELOW MINERAL SOIL SURFACE (Inches) 1	Texture VERY FINE SANDY LOAM	Consistency FRIABLE	Color Color DARK BROWN YELLOWISH BROWN LIGHT OLIVE BROWN	NONE OBSERVED
SOIL SURFACE 10 16 18 18 18 18 18 18 18	Texture VERY FINE SANDY LOAM SILT LOAM LOAMY SAND	Consistency	Color DARK BROWN DARK YELLOWISH BROWN GRAYISH	Mottling NONE OBSERVED COMMON, MEDIUM,	BELOW MINERAL SOIL SURFACE (Inches) 1	Texture VERY FINE SANDY LOAM	Consistency FRIABLE	Color Color DARK BROWN YELLOWISH BROWN LIGHT OLIVE BROWN GRAYISH BROWN	Mottling NONE OBSERVED FEW, FINE,
OW MINERAL SOIL SURFACE	Texture VERY FINE SANDY LOAM SILT LOAM LOAMY SAND	FRIABLE	DARK BROWN DARK YELLOWISH BROWN GRAYISH BROWN	Mottling NONE OBSERVED COMMON, MEDIUM,	SOIL SURFACE (Inches) 1 2 3 4 5 6 7 7 10 11 12 14 16 18 18	Texture VERY FINE SANDY LOAM	Consistency FRIABLE SOMEWHAT FIRM	Color Color DARK BROWN YELLOWISH BROWN LIGHT OLIVE BROWN GRAYISH BROWN	Mottling NONE OBSERVED FEW, FINE,
SOIL SURFACE 10 16 18 18 18 18 18 18 18	Texture VERY FINE SANDY LOAM SILT LOAM LOAMY SAND	FRIABLE	Color DARK BROWN DARK YELLOWISH BROWN GRAYISH	Mottling NONE OBSERVED COMMON, MEDIUM,	BELOW MINERAL SOIL SURFACE (Inches) 1	Texture VERY FINE SANDY LOAM	Consistency FRIABLE SOMEWHAT FIRM	Color Color DARK BROWN YELLOWISH BROWN LIGHT OLIVE BROWN GRAYISH BROWN	Mottling NONE OBSERVED FEW, FINE,
SOIL SURFACE 10 16 18 18 18 18 18 18 18	Texture VERY FINE SANDY LOAM SILT LOAM LOAMY SAND	FRIABLE	DARK BROWN DARK YELLOWISH BROWN GRAYISH BROWN	Mottling NONE OBSERVED COMMON, MEDIUM,	DEPTH BELOW MINERAL SOIL SURFACE (Inches) 1	Texture VERY FINE SANDY LOAM	Consistency FRIABLE SOMEWHAT FIRM	Color Color DARK BROWN YELLOWISH BROWN LIGHT OLIVE BROWN GRAYISH BROWN	Mottling NONE OBSERVED FEW, FINE,
DEPTH BELOW MINERAL SOIL SURFACE 10 10 12 12 14 16 16 16 16 16 16 16 16 16 16 16 16 16	Texture VERY FINE SANDY LOAM SILT LOAM LOAMY SAND	FRIABLE	DARK BROWN DARK YELLOWISH BROWN GRAYISH BROWN	Mottling NONE OBSERVED COMMON, MEDIUM,	0 1 2 3 4 5 5 6 6 8 9 10 10 12 12 14 14 16 16 18 18 18 18 18 18 18 18 18 18 18 18 18	Texture VERY FINE SANDY LOAM	Consistency FRIABLE SOMEWHAT FIRM	Color Color DARK BROWN YELLOWISH BROWN LIGHT OLIVE BROWN GRAYISH BROWN	Mottling NONE OBSERVED FEW, FINE,
DEPTH BELOW MINERAL SOIL SURFACE 10	VERY FINE SANDY LOAM SILT LOAM LOAMY SAND hydric	FRIABLE	DARK BROWN DARK YELLOWISH BROWN GRAYISH BROWN	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT	0 1 2 3 4 5 5 6 6 7 7 10 10 10 10 10 10 10 10 10 10 10 10 10	Texture VERY FINE SANDY LOAM SILT LOAM hydric	Consistency FRIABLE SOMEWHAT FIRM	Color Color DARK BROWN YELLOWISH BROWN LIGHT OLIVE BROWN GRAYISH BROWN	NONE OBSERVED FEW, FINE, & FAINI
DEPTH BELOW MINERAL SOIL SURFACE 10 10 12 12 14 16 16 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	Texture VERY FINE SANDY LOAM SILT LOAM LOAMY SAND	Consistency FRIABLE LIMIT OF EXC	Color DARK BROWN DARK YELLOWISH BROWN GRAYISH BROWN AVATION = 37"	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT	0 1 2 3 4 4 5 5 6 6 8 9 10 10 12 12 14 14 16 16 18 18 18 18 18 18 18 18 18 18 18 18 18	Texture VERY FINE SANDY LOAM SILT LOAM	Consistency FRIABLE SOMEWHAT FIRM LIMIT OF EXC	Color Color DARK BROWN YELLOWISH BROWN LIGHT OLIVE BROWN GRAYISH BROWN AVATION = 30"	NONE OBSERVED FEW, FINE, & FAINI
DEPTH BELOW MINERAL SOIL SURFACE 10	VERY FINE SANDY LOAM SILT LOAM LOAMY SAND hydric	FRIABLE FRIABLE LIMIT OF EXC	Color DARK BROWN DARK YELLOWISH BROWN GRAYISH BROWN AVATION = 37" Limiting factor	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	0 1 2 3 4 4 5 5 6 6 7 7 10 112 12 14 14 16 16 18 20 20 20 20 20 20 20 20 20 20 20 20 20	Texture VERY FINE SANDY LOAM SILT LOAM hydric	Slope % O-3	Color DARK BROWN YELLOWISH BROWN LIGHT OLIVE BROWN GRAYISH BROWN AVATION = 30" Limiting factor 24"	NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock
DEPTH BELOW MINERAL SOIL SURFACE 10 10 11 11 11 11 11 11 11 11 11 11 11	Texture VERY FINE SANDY LOAM SILT LOAM LOAMY SAND hydric non-hydric	FRIABLE FRIABLE LIMIT OF EXC	Color DARK BROWN DARK YELLOWISH BROWN GRAYISH BROWN AVATION = 37" Limiting factor	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer	0 1 2 3 4 4 5 5 6 6 7 7 10 10 12 12 14 14 16 16 18 18 18 18 18 18 18 18 18 18 18 18 18	Texture VERY FINE SANDY LOAM SILT LOAM hydric non-hydric	Slope % O-3	Color Color DARK BROWN YELLOWISH BROWN LIGHT OLIVE BROWN GRAYISH BROWN AVATION = 30" Limiting factor	NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer
DEPTH BELOW MINERAL SOIL SURFACE 10 10 11 11 11 11 11 11 11 11 11 11 11	VERY FINE SANDY LOAM SILT LOAM LOAMY SAND hydric non-hydric Soil Series / phase name:	FRIABLE LIMIT OF EXC Slope % O-3	Color DARK BROWN DARK YELLOWISH BROWN GRAYISH BROWN AVATION = 37" Limiting factor	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	0 1 2 3 4 4 5 5 6 6 7 7 10 10 10 10 10 10 10 10 10 10 10 10 10	Texture VERY FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name	Slope % O-3	Color DARK BROWN YELLOWISH BROWN LIGHT OLIVE BROWN GRAYISH BROWN AVATION = 30" Limiting factor 24" Drainage Class	NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock
DEPTH BELOW MINERAL SOIL SURFACE 10 10 11 11 11 11 11 11 11 11 11 11 11	VERY FINE SANDY LOAM SILT LOAM LOAMY SAND hydric non-hydric Soil Series / phase name:	Slope % O-3	Color DARK BROWN DARK YELLOWISH BROWN GRAYISH BROWN AVATION = 37" Limiting factor	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	0 1 2 3 4 4 5 5 6 6 7 7 10 10 12 12 14 14 16 16 18 18 18 18 18 18 18 18 18 18 18 18 18	Texture VERY FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name	Slope % O-3 Slope % O-3 Slope % O-3	Color DARK BROWN YELLOWISH BROWN GRAYISH BROWN AVATION = 30" Limiting factor 24" Drainage Class	NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock
DEPTH BELOW MINERAL SOIL SURFACE 10 10 11 11 11 11 11 11 11 11 11 11 11	VERY FINE SANDY LOAM SILT LOAM LOAMY SAND hydric non-hydric Soil Series / phase name:	Slope % O-3	Color DARK BROWN DARK YELLOWISH BROWN GRAYISH BROWN AVATION = 37" Limiting factor	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	0 1 2 3 4 4 5 5 6 6 7 7 10 10 12 12 14 14 16 16 18 18 18 18 18 18 18 18 18 18 18 18 18	Texture VERY FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name	Slope % O-3 Slope % O-3 Slope % O-3	Color DARK BROWN YELLOWISH BROWN GRAYISH BROWN AVATION = 30" Limiting factor 24" Drainage Class	NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock
DEPTH BELOW MINERAL SOIL SURFACE 10 10 11 14 16 16 18 10 10 10 11 18 10 10 10 10 10 10 10 10 10 10 10 10 10	NERY FINE SANDY LOAM SILT LOAM LOAMY SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Slope % O-3 Profile	Color DARK BROWN DARK YELLOWISH BROWN GRAYISH BROWN AVATION = 37" Limiting factor	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	0 1 2 3 4 4 5 5 6 6 7 7 10 10 12 12 14 14 16 16 18 18 18 18 18 18 18 18 18 18 18 18 18	Texture VERY FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name	Slope % O-3 Slope % O-3 Slope % O-3	Color DARK BROWN YELLOWISH BROWN GRAYISH BROWN AVATION = 30" Limiting factor 24" Drainage Class	NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock
Profe Profe Profe	VERY FINE SANDY LOAM SILT LOAM LOAMY SAND hydric non-hydric Soil Series / phase name:	Slope % O-3 Profile	Color DARK BROWN DARK YELLOWISH BROWN GRAYISH BROWN AVATION = 37" Limiting factor	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	0 1 2 3 4 5 5 6 6 7 7 8 8 9 10 12 12 14 16 16 18 20 C.s.s. 6 60 60 60 60 60 60 60 60 60 60 60 60 6	Texture VERY FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name Soil Classification:	Slope % O-3 Slope % O-3 Slope % O-3	Color DARK BROWN YELLOWISH BROWN GRAYISH BROWN AVATION = 30" Limiting factor 24" Drainage Class	NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock
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Profe Profe Profe	NERY FINE SANDY LOAM SILT LOAM LOAMY SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Slope % O-3 Profile	Color DARK BROWN DARK YELLOWISH BROWN GRAYISH BROWN AVATION = 37" Limiting factor	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	0 1 2 3 4 5 5 6 6 7 7 8 8 9 10 12 12 14 16 16 18 20 C.s.s. 6 60 60 60 60 60 60 60 60 60 60 60 60 6	Texture VERY FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name Soil Classification:	Slope % O-3 Slope % O-3 Slope % O-3	Color DARK BROWN YELLOWISH BROWN GRAYISH BROWN AVATION = 30" Limiting factor 24" Drainage Class	NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock
Profe C.S.S. Profe C.S.S.	Texture VERY FINE SANDY LOAM SILT LOAM LOAMY SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Slope % O-3 Profile	Color DARK BROWN DARK YELLOWISH BROWN GRAYISH BROWN AVATION = 37" Limiting factor	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	0 1 2 3 4 5 5 6 6 7 7 10 12 12 14 16 18 20 17 20 18 18 18 18 18 18 18 18 18 18 18 18 18	Texture VERY FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name Soil Classification:	Slope % O-3 Slope % O-3 Slope % O-3	Color DARK BROWN YELLOWISH BROWN GRAYISH BROWN AVATION = 30" Limiting factor 24" Drainage Class	NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock
Profe C.S.S. Profe C.S.S. Profe	Texture VERY FINE SANDY LOAM SILT LOAM LOAMY SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Slope % O-3 Profile	Color DARK BROWN DARK YELLOWISH BROWN GRAYISH BROWN Limiting factor 25" Drainage Class C Soil Condition	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	0 1 2 3 4 5 5 6 6 7 7 10 12 12 14 16 18 20 17 20 18 18 18 18 18 18 18 18 18 18 18 18 18	Texture VERY FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name Soil Classification:	Slope % O-3 Slope % O-3 Slope % O-3	Color DARK BROWN YELLOWISH BROWN GRAYISH BROWN AVATION = 30" Limiting factor 24" Drainage Class	NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock

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Alexander A. Finamore

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F	ORM F		SO	IL PROFILE/CLASS	IFICATI	ION INFORMATIO	N		
Proje	ect Name:		Applicant Name:	etailed Description of Subs	urface Co	onditions at Project Sites	Project Location (mi	unicipality):	
	Annie's Way S	Subdivision		MTR Development,	LLC			Windham	
	Exploration Symbol:	SOIL DESCRIPTION AND TP-5	D CLASSIFICATION X Test Pit	Boring		Exploration Symbol:	SOIL DESCRIPTION ANT	ND CLASSIFICATION X Test Pit	Boring
	0	Depth of Organic Horizon Above	e Mineral Soil			(e Mineral Soil	
1	Texture FINE SANDY	Consistency FRIABLE	Color DARK BROWN	Mottling	1	Texture VERY FINE	Consistency	Color DARK BROWN	Mottling NONE
3	LOAM	INIADEC	DARK BROWN	ORSEKAED	3	SANDY LOAM	TRIABLE	DARK BROWN	ORSERVED
$\frac{1}{5}$	5		DARK YELLOWISH		5			BROWN	
(<i>Inches</i>)	3		BROWN		(Inches)				
CE 0									
SURFA	2				SURFACE				
7/OS	3		BROWN		7//OS	SILI LOAM			
RAL = 20	SILT LOAM		GRAY	& DISTINCT	RAL 0		FIRM	GRAY	COMMON, MEDIUM,
WINE	5				OW MINE				& DISTINCT
ELOW					ELOM				
РТН В 		LIMIT OF EXC	CAVATION = 30"		<u> </u>		LIMIT OF EXC	CAVATION = 30"	
DEF					DEF				
48	3				50				
60					60				
_	hydric	Slope %	Limiting factor	ground water		hydric	Slope %	Limiting factor	■ ground water
•	non-hydric	0-3		restrictive layer bedrock	•	non-hydric	0-3	18"	restrictive layer bedrock
C.S.S.	Soil Series / phase name:		Drainage Class	Hydrologic Group	C.S.S.	Soil Series / phase name:		Drainage Class	Hydrologic Group
L.S.E.	Soil Classification:	8 Profile	C		L.S.E.	Soil Classification:	8 Profile	C Soil Condition	
,	<u></u>	SOIL DESCRIPTION AND		Boring			SOIL DESCRIPTION AN	ID CLASSIFICATION	
	Exploration Symbol:	<u>TP-7</u>	X Test Pit	Boring					
		Depth of Organic Horizon Above	e Mineral Soil				TP-8 Depth of Organic Horizon Above		Boring
1	Texture	Consistency	e Mineral Soil Color	Mottling	0 1	Texture	Depth of Organic Horizon Above Consistency	e Mineral Soil Color	Mottling
2 3			e Mineral Soil		0 1 2 3	(e Mineral Soil	
	Texture VERY FINE	Consistency	Color DARK BROWN DARK YELLOWISH	Mottling NONE	0 1 2 3 4 5	Texture SILT LOAM FINE SANDY	Depth of Organic Horizon Above Consistency	e Mineral Soil Color	Mottling
nches)	Texture VERY FINE	Consistency	Color DARK BROWN	Mottling NONE	0 1 2 3 4 5	Texture SILT LOAM	Depth of Organic Horizon Above Consistency	Color DARK BROWN	Mottling
4 <i>CE (Inches)</i>	Texture VERY FINE SANDY LOAM	Consistency	Color DARK BROWN DARK YELLOWISH	Mottling NONE	0 1 2 3 4 5 6 7 7 8 8	Texture SILT LOAM FINE SANDY	Depth of Organic Horizon Above Consistency	Color DARK BROWN	Mottling
	Texture VERY FINE SANDY LOAM	Consistency	Color DARK BROWN DARK YELLOWISH	Mottling NONE	0 1 2 3 4 5 6 7 7 8 8	Texture SILT LOAM FINE SANDY	Depth of Organic Horizon Above Consistency	Color DARK BROWN	Mottling
OIL SURFACE	Texture VERY FINE SANDY LOAM	Consistency	Color DARK BROWN DARK YELLOWISH	Mottling NONE	SOIL SURFACE (Inches) 1	Texture SILT LOAM FINE SANDY LOAM	Depth of Organic Horizon Above Consistency	Color DARK BROWN	Mottling
OIL SURFACE	Texture VERY FINE SANDY LOAM SILT LOAM	Consistency	Color DARK BROWN DARK YELLOWISH	Mottling NONE OBSERVED COMMON, MEDIUM,	SOIL SURFACE (Inches) 1	Texture SILT LOAM FINE SANDY LOAM	Depth of Organic Horizon Above Consistency	DARK YELLOWISH	Mottling
MINERAL SOIL SURFACE 10	Texture VERY FINE SANDY LOAM SELTION	FRIABLE	DARK BROWN DARK YELLOWISH BROWN	Mottling NONE OBSERVED	SOIL SURFACE (Inches) 1	Texture SILT LOAM FINE SANDY LOAM	Depth of Organic Horizon Above Consistency	DARK YELLOWISH	Mottling
OW MINERAL SOIL SURFACE 000	Texture VERY FINE SANDY LOAM SILT LOAM	FRIABLE	DARK BROWN DARK YELLOWISH BROWN	Mottling NONE OBSERVED COMMON, MEDIUM,	ELOW MINERAL SOIL SURFACE (Inches) C	Texture SILT LOAM FINE SANDY LOAM	Depth of Organic Horizon Above Consistency	DARK YELLOWISH BROWN	Mottling
TH BELOW MINERAL SOIL SURFACE	Texture VERY FINE SANDY LOAM SILT LOAM	FRIABLE	DARK BROWN DARK YELLOWISH BROWN	Mottling NONE OBSERVED COMMON, MEDIUM,	PTH BELOW MINERAL SOIL SURFACE (Inches) 1	Texture SILT LOAM FINE SANDY LOAM	Depth of Organic Horizon Above Consistency	DARK YELLOWISH	Mottling
OW MINERAL SOIL SURFACE 000	Texture VERY FINE SANDY LOAM SILT LOAM	FRIABLE	DARK BROWN DARK YELLOWISH BROWN GRAY	Mottling NONE OBSERVED COMMON, MEDIUM,	BELOW MINERAL SOIL SURFACE (Inches) 1	Texture SILT LOAM FINE SANDY LOAM	Consistency FRIABLE	DARK YELLOWISH	Mottling
PTH BELOW MINERAL SOIL SURFACE 10	Texture VERY FINE SANDY LOAM SILT LOAM	FRIABLE	DARK BROWN DARK YELLOWISH BROWN GRAY	Mottling NONE OBSERVED COMMON, MEDIUM,	PTH BELOW MINERAL SOIL SURFACE (Inches) 1	Texture SILT LOAM FINE SANDY LOAM LOAM LOAMY SAND	Consistency FRIABLE	DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN	Mottling
DEPTH BELOW MINERAL SOIL SURFACE 15	Texture VERY FINE SANDY LOAM SIL1 LOAM	FRIABLE	DARK BROWN DARK YELLOWISH BROWN GRAY	Mottling NONE OBSERVED COMMON, MEDIUM,	DEPTH BELOW MINERAL SOIL SURFACE (Inches) 0	Texture SILT LOAM FINE SANDY LOAM LOAM LOAMY SAND	Consistency FRIABLE	DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN	Mottling
DEPTH BELOW MINERAL SOIL SURFACE 10	Texture VERY FINE SANDY LOAM SIL1 LOAM	FRIABLE	DARK BROWN DARK YELLOWISH BROWN GRAY	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT	DEPTH BELOW MINERAL SOIL SURFACE (Inches) 0 1 5 6 4 10 10 10 10 10 10 10	Texture SILT LOAM FINE SANDY LOAM LOAMY SAND hydric	Consistency FRIABLE	DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN	Mottling NONE OBSERVED
DEPTH BELOW MINERAL SOIL SURFACE 15	Texture VERY FINE SANDY LOAM SILI LOAM hydric non-hydric	FRIABLE FIRM LIMIT OF EXC	Color DARK BROWN DARK YELLOWISH BROWN GRAY CAVATION = 30"	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT	■ DEPTH BELOW MINERAL SOIL SURFACE (Inches) • 1 5 6 4 1 1 1 1 1 1 1 1 1	Texture SILT LOAM FINE SANDY LOAM LOAMY SAND hydric non-hydric	Consistency FRIABLE LIMIT OF EXC Slope % 0-3	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN CAVATION = 34"	Mottling NONE OBSERVED
DEPTH BELOW MINERAL SOIL SURFACE 15	Texture VERY FINE SANDY LOAM SILI LOAM hydric	FRIABLE FIRM LIMIT OF EXC	Color DARK BROWN DARK YELLOWISH BROWN GRAY Limiting factor	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer	■ DEPTH BELOW MINERAL SOIL SURFACE (Inches) • 1 5 6 4 1 1 1 1 1 1 1 1 1	Texture SILT LOAM FINE SANDY LOAM LOAMY SAND hydric	Consistency FRIABLE LIMIT OF EXC Slope % 0-3	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN CAVATION = 34"	Mottling NONE OBSERVED ground water restrictive layer
DEPTH BELOW MINERAL SOIL SURFACE 0	Texture VERY FINE SANDY LOAM SILI LOAM hydric non-hydric	FRIABLE FIRM LIMIT OF EXC Slope % 0-3	Color DARK BROWN DARK YELLOWISH BROWN GRAY Limiting factor 18" Drainage Class	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	OEPTH BELOW MINERAL SOIL SURFACE (Inches) 1	Texture SILT LOAM FINE SANDY LOAM LOAMY SAND hydric non-hydric	Consistency FRIABLE LIMIT OF EXC	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN LIGHT STATE OF THE	Mottling NONE OBSERVED ground water restrictive layer bedrock
DEPTH BELOW MINERAL SOIL SURFACE 10	Texture VERY FINE SANDY LOAM Solution hydric non-hydric Soil Series / phase name:	FRIABLE FIRM LIMIT OF EXC Slope % 0-3	Color DARK BROWN DARK YELLOWISH BROWN GRAY Limiting factor 18" Drainage Class	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	OEPTH BELOW MINERAL SOIL SURFACE (Inches) 1	Texture SILT LOAM FINE SANDY LOAM LOAMY SAND hydric non-hydric Soil Series / phase name:	Consistency FRIABLE LIMIT OF EXC	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN LIGHT STATE OF THE	Mottling NONE OBSERVED ground water restrictive layer bedrock
DEPTH BELOW MINERAL SOIL SURFACE 10	Texture VERY FINE SANDY LOAM Solution hydric non-hydric Soil Series / phase name:	FRIABLE FIRM LIMIT OF EXC Slope % 0-3	Color DARK BROWN DARK YELLOWISH BROWN GRAY Limiting factor 18" Drainage Class	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	OEPTH BELOW MINERAL SOIL SURFACE (Inches) 1	Texture SILT LOAM FINE SANDY LOAM LOAMY SAND hydric non-hydric Soil Series / phase name:	Consistency FRIABLE LIMIT OF EXC	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN LIGHT STATE OF THE	Mottling NONE OBSERVED ground water restrictive layer bedrock
DEPTH BELOW MINERAL SOIL SURFACE 12	Texture VERY FINE SANDY LOAM Solution hydric non-hydric Soil Series / phase name:	FRIABLE FIRM LIMIT OF EXC Slope % O-3 Profile	Color DARK BROWN DARK YELLOWISH BROWN GRAY Limiting factor 18" Drainage Class	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	OEPTH BELOW MINERAL SOIL SURFACE (Inches) 1	Texture SILT LOAM FINE SANDY LOAM LOAMY SAND hydric non-hydric Soil Series / phase name:	Consistency FRIABLE LIMIT OF EXC	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN LIGHT STATE OF THE	Mottling NONE OBSERVED ground water restrictive layer bedrock
Profe	Texture VERY FINE SANDY LOAM SILI LOAM hydric non-hydric Soil Series / phase name: Soil Classification:	FRIABLE FIRM LIMIT OF EXC Slope % O-3 Profile	Color DARK BROWN DARK YELLOWISH BROWN GRAY Limiting factor 18" Drainage Class	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	OEPTH BELOW MINERAL SOIL SURFACE (Inches) O 1 2 3 4 5 6 7 7 8 9 9 10 12 12 14 16 18 18 19 10 12 12 14 19 10 10 10 10 10 10 10 10 10 10 10 10 10	Texture SILT LOAM FINE SANDY LOAM LOAMY SAND hydric non-hydric Soil Series / phase name:	Consistency FRIABLE LIMIT OF EXC	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN LIGHT STATE OF THE	Mottling NONE OBSERVED ground water restrictive layer bedrock
Profe	Texture VERY FINE SANDY LOAM SILI LOAM hydric non-hydric Soil Series / phase name: Soil Classification:	FRIABLE FIRM LIMIT OF EXC Slope % O-3 Profile	Color DARK BROWN DARK YELLOWISH BROWN GRAY Limiting factor 18" Drainage Class	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	0 1 2 3 4 5 6 7 7 8 9 10 12 12 14 16 18 8 50 C. S. E. E. S.	Texture SILT LOAM FINE SANDY LOAM LOAMY SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LIMIT OF EXC	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN LIGHT STATE OF THE	Mottling NONE OBSERVED ground water restrictive layer bedrock
DEPTH BELOW MINERAL SOIL SURFACE 12	Texture VERY FINE SANDY LOAM Signature: Signature:	FRIABLE FIRM LIMIT OF EXC Slope % O-3 Profile	Color DARK BROWN DARK YELLOWISH BROWN GRAY Limiting factor 18" Drainage Class	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	0 1 2 3 4 5 6 7 7 8 9 10 12 12 14 16 18 8 50 C. S. E. E. S.	Texture SILT LOAM FINE SANDY LOAM LOAM hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LIMIT OF EXC	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN LIGHT STATE OF THE	Mottling NONE OBSERVED ground water restrictive layer bedrock
Profe	Texture VERY FINE SANDY LOAM SILI LOAM hydric non-hydric Soil Series / phase name: Soil Classification: essional Endorsemen signature: name printed/typed:	FRIABLE FIRM LIMIT OF EXC Slope % O-3 Profile	Color DARK BROWN DARK YELLOWISH BROWN GRAY Limiting factor 18" Drainage Class C Soil Condition	Mottling NONE OBSERVED COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock	DEPTH BELOW MINERAL SOIL SURFACE (Inches) 0	Texture SILT LOAM FINE SANDY LOAM LOAMY SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LIMIT OF EXC	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN LIGHT STATE OF THE	Mottling NONE OBSERVED ground water restrictive layer bedrock

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Alexander A. Finamore

F	ORM F								
	OKINI I		SOI	L PROFILE/CLASS	SIFICATI	ON INFORMATIO	N		
Proje	ect Name:		Applicant Name:	tailed Description of Sub	surface Co	nditions at Project Sites	Project Location (mu	ınicipality):	
	Annie's Way S	Subdivision		MTR Development	, LLC		, ,	Windham	
		SOIL DESCRIPTION AND	D CLASSIFICATION				SOIL DESCRIPTION AN	D CLASSIFICATION	
	Exploration Symbol:	TP-9 Depth of Organic Horizon Above	X Test Pit	Boring		Exploration Symbol:	TP-10 Depth of Organic Horizon Above	X Test Pit	Boring
0	Texture	Consistency	Color	Mottling	0	Texture	Consistency	Color	Mottling
2	FINE SANDY	FRIABLE	DARK BROWN	NONE	2	FINE SANDY	FRIABLE	DARK BROWN	NONE
4	LOAM			OBSERVED	3	LOAM			OBSERVED
$\frac{-5}{6}$	5				(S				
(<i>Inches</i>)	3		BROWN		(<i>Inches</i>)			BROWN	
OF -0									
SURFA	4				SURFACE				
$\frac{16}{18}$	3				S 16 18				
S 72 22 22 22 22 22 22 22 22 22 22 22 22	LOADY EARIN		LIGHT YELLOWISH		RAL S				
 		LOOSE	BROWN		INNER 	LOAMY SAND	LOOSE	LIGHT YELLOWISH	
× _					OW MINE			BROWN	
BEL 									
<i>ЕРТН</i> 		LIMIT OF EXC	CAVATION = 30"		ДЕРТН.		LIMIT OF EXC	AVATION = 30"	
<u>D</u>)				J				
48	3				50				
60					60				
	hydric	Slope %	Limiting factor	□ ground water		hydric	Slope %	Limiting factor	ground water
•	non-hydric	<u>0-3</u>	<u>>30"</u>	□ ground water □ restrictive layer □ bedrock	•	non-hydric	0-3	>30"	restrictive layer bedrock
C.S.S.	Soil Series / phase name:		Designate Olara		C.S.S.	Soil Series / phase name:	:	Draina na Olasa	
L.S.E.	Soil Classification:	5	Drainage Class	Hydrologic Group	L.S.E.	Soil Classification:	5	Drainage Class C	Hydrologic Group
L.S.E.		Profile SOIL DESCRIPTION AND	Soil Condition		L.S.E.		Profile SOIL DESCRIPTION AN	Soil Condition	
	Exploration Symbol:			_	↓ 		OOIL DECORN HOW AN	D OLAGOII IOA I IOI	
	'	TP-11	X Test Pit	Boring		Exploration Symbol:	TP-12	X Test Pit	Boring
0	0	Depth of Organic Horizon Above	e Mineral Soil	2 -		(Depth of Organic Horizon Above	Mineral Soil	
1	Texture			Mottling NONE	0 1 2				Mottling NONE
0 1 2 3	0	Depth of Organic Horizon Above Consistency	e Mineral Soil Color	Mottling	0 1 2 3 4	Texture	D " Depth of Organic Horizon Above Consistency	Mineral Soil Color	Mottling
0 1 2 3 4 5	Texture	Depth of Organic Horizon Above Consistency	e Mineral Soil Color	Mottling NONE	0 1 2 3 4 5	Texture	D " Depth of Organic Horizon Above Consistency	Mineral Soil Color DARK BROWN	Mottling
3 3 4 5 6 7	Texture	Depth of Organic Horizon Above Consistency	Color DARK BROWN	Mottling NONE	0 1 2 3 4 5	Texture	D " Depth of Organic Horizon Above Consistency	Mineral Soil Color	Mottling
CE (Inches)	Texture SANDY LOAM	Depth of Organic Horizon Above Consistency	Color DARK BROWN	Mottling NONE	(seyou) (seyou)	Texture	D " Depth of Organic Horizon Above Consistency	Mineral Soil Color DARK BROWN	Mottling
	Texture SANDY LOAM	Depth of Organic Horizon Above Consistency	DARK PELLOWISH	Mottling NONE	(seyou) (seyou)	Texture	D " Depth of Organic Horizon Above Consistency	Mineral Soil Color DARK BROWN BROWN	Mottling
SURFACE 12 12 12 15 16 16	Texture SANDY LOAM	Depth of Organic Horizon Above Consistency	DARK BROWN BROWN	Mottling NONE	SURFACE (Inches) 1	Texture SANDY LOAM LOAMY FINE	D " Depth of Organic Horizon Above Consistency	Mineral Soil Color DARK BROWN	Mottling
9 SURFACE	Texture SANDY LOAM	Depth of Organic Horizon Above Consistency	DARK PELLOWISH	Mottling NONE	SOIL SURFACE (Inches) 1	Texture SANDY LOAM LOAMY FINE	D " Depth of Organic Horizon Above Consistency	Color DARK BROWN BROWN LIGHT YELLOWISH	Mottling
SAL SOIL SURFACE 10 10 10 10 10 10 10 1	Texture SANDY LOAM LOAMY FINE	Depth of Organic Horizon Above Consistency	DARK BROWN BROWN DARK YELLOWISH LIGHT YELLOWISH	Mottling NONE	SOIL SURFACE (Inches) 1	Texture SANDY LOAM LOAMY FINE	D " Depth of Organic Horizon Above Consistency	Color DARK BROWN BROWN LIGHT YELLOWISH	Mottling
MINERAL SOIL SURFACE 10	Texture SANDY LOAM	Depth of Organic Horizon Above Consistency	BROWN DARK YELLOWISH BROWN	Mottling NONE	SOIL SURFACE (Inches) 1	Texture SANDY LOAM LOAMY FINE	D " Depth of Organic Horizon Above Consistency	Color DARK BROWN BROWN LIGHT YELLOWISH	Mottling
OW MINERAL SOIL SURFACE 00	Texture SANDY LOAM LOAMY FINE SAND	Depth of Organic Horizon Above Consistency	DARK BROWN BROWN DARK YELLOWISH LIGHT YELLOWISH	Mottling NONE	ELOW MINERAL SOIL SURFACE (Inches) 6 0 1 0 0 0 0 0 0 0 0	Texture SANDY LOAM LOAMY FINE	D " Depth of Organic Horizon Above Consistency	Color DARK BROWN BROWN LIGHT YELLOWISH	Mottling
PTH BELOW MINERAL SOIL SURFACE 10	Texture SANDY LOAM LOAMY FINE SAND	Depth of Organic Horizon Above Consistency FRIABLE	DARK BROWN BROWN DARK YELLOWISH LIGHT YELLOWISH	Mottling NONE	DTH BELOW MINERAL SOIL SURFACE (Inches) 1	Texture SANDY LOAM LOAMY FINE	Consistency FRIABLE	Color DARK BROWN BROWN LIGHT YELLOWISH	Mottling
TH BELOW MINERAL SOIL SURFACE 10	Texture SANDY LOAM LOAMY FINE SAND	Depth of Organic Horizon Above Consistency FRIABLE	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN	Mottling NONE	ELOW MINERAL SOIL SURFACE (Inches) 6 0 1 0 0 0 0 0 0 0 0	Texture SANDY LOAM LOAMY FINE	Consistency FRIABLE	Color DARK BROWN BROWN LIGHT YELLOWISH BROWN	Mottling
DEPTH BELOW MINERAL SOIL SURFACE DEPTH BELOW MINERAL SOIL SURFACE	Texture SANDY LOAM LOAMY FINE SAND	Depth of Organic Horizon Above Consistency FRIABLE	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN	Mottling NONE	DEPTH BELOW MINERAL SOIL SURFACE (Inches) 1	Texture SANDY LOAM LOAMY FINE	Consistency FRIABLE	Color DARK BROWN BROWN LIGHT YELLOWISH BROWN	Mottling
DEPTH BELOW MINERAL SOIL SURFACE 12	Texture SANDY LOAM LOAMY FINE SAND	Depth of Organic Horizon Above Consistency FRIABLE	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN	Mottling NONE	DEPTH BELOW MINERAL SOIL SURFACE (Inches) 1	Texture SANDY LOAM LOAMY FINE	Consistency FRIABLE	Color DARK BROWN BROWN LIGHT YELLOWISH BROWN	Mottling
DEPTH BELOW MINERAL SOIL SURFACE 10	Texture SANDY LOAM LOAMY FINE SAND	Consistency FRIABLE LIMIT OF EXC	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN CAVATION = 30"	NONE OBSERVED	DEPTH BELOW MINERAL SOIL SURFACE (Inches) 1	Texture SANDY LOAM LOAMY FINE SAND	Consistency FRIABLE LIMIT OF EXC	Color DARK BROWN BROWN LIGHT YELLOWISH BROWN AVATION = 30"	Mottling NONE OBSERVED
DEPTH BELOW MINERAL SOIL SURFACE 10	Texture SANDY LOAM LOAMY FINE SAND	Consistency FRIABLE LIMIT OF EXC	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN CAVATION = 30" Limiting factor	NONE OBSERVED ground water restrictive layer	DEPTH BELOW MINERAL SOIL SURFACE (Inches) 1	Texture SANDY LOAM LOAMY FINE	Consistency FRIABLE LIMIT OF EXC	Color DARK BROWN BROWN LIGHT YELLOWISH BROWN AVATION = 30"	Mottling NONE OBSERVED ground water restrictive layer
DEPTH BELOW MINERAL SOIL SURFACE 0	Texture SANDY LOAM LOAMY FINE SAND hydric	Consistency FRIABLE LIMIT OF EXC	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN CAVATION = 30" Limiting factor >30"	NONE OBSERVED ground water restrictive layer bedrock	DEPTH BELOW MINERAL SOIL SURFACE (Inches) 1	Texture SANDY LOAM LOAMY FINE SAND hydric	Consistency FRIABLE LIMIT OF EXC Slope % O-3	Color DARK BROWN BROWN LIGHT YELLOWISH BROWN AVATION = 30" Limiting factor >30"	Mottling NONE OBSERVED ground water restrictive layer bedrock
DEPTH BELOW MINERAL SOIL SURFACE 0	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric Soil Series / phase name:	Consistency FRIABLE LIMIT OF EXC	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN CAVATION = 30" Limiting factor	NONE OBSERVED ground water restrictive layer	0 1 2 3 4 5 6 6 7 7 8 8 9 10 10 SOIL SURFACE (Inches) S.S. 0 6 6 7 9 6 6 7 9 9 9 9 9 9 9 9 9 9 9 9 9	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric Soil Series / phase name:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3	Color DARK BROWN BROWN LIGHT YELLOWISH BROWN AVATION = 30"	Mottling NONE OBSERVED ground water restrictive layer
DEPTH BELOW MINERAL SOIL SURFACE 0	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric	Consistency FRIABLE LIMIT OF EXC Slope % 0-3	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN LIGHT STATE OF THE	NONE OBSERVED ground water restrictive layer bedrock	0 1 2 3 4 5 6 6 7 7 8 8 9 9 10 10 11 11 14 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric	Consistency FRIABLE LIMIT OF EXC Slope % O-3	Color DARK BROWN BROWN LIGHT YELLOWISH BROWN AVATION = 30" Limiting factor >30" Drainage Class	Mottling NONE OBSERVED ground water restrictive layer bedrock
DEPTH BELOW MINERAL SOIL SURFACE 0	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric Soil Series / phase name:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock	0 1 2 3 4 5 6 6 7 7 8 8 9 10 10 SOIL SURFACE (Inches) S.S. 0 6 6 7 9 6 6 7 9 9 9 9 9 9 9 9 9 9 9 9 9	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric Soil Series / phase name:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3 :	Color DARK BROWN BROWN LIGHT YELLOWISH BROWN AVATION = 30" Limiting factor >30" Drainage Class	Mottling NONE OBSERVED ground water restrictive layer bedrock
DEPTH BELOW MINERAL SOIL SURFACE 0	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric Soil Series / phase name:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock	0 1 2 3 4 5 6 6 7 7 8 8 9 10 10 SOIL SURFACE (Inches) S.S. 0 6 6 7 9 6 6 7 9 9 9 9 9 9 9 9 9 9 9 9 9	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric Soil Series / phase name:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3 :	Color DARK BROWN BROWN LIGHT YELLOWISH BROWN AVATION = 30" Limiting factor >30" Drainage Class	Mottling NONE OBSERVED ground water restrictive layer bedrock
9 10 12 15 15 16 16 18 20 17 SOIT SUBFACE 20 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric Soil Series / phase name:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3 Profile	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock	0 1 2 3 4 5 6 6 7 7 8 8 9 10 10 SOIL SURFACE (Inches) S.S. 0 6 6 7 9 6 6 7 9 9 9 9 9 9 9 9 9 9 9 9 9	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric Soil Series / phase name:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3 :	Color DARK BROWN BROWN LIGHT YELLOWISH BROWN AVATION = 30" Limiting factor >30" Drainage Class	Mottling NONE OBSERVED ground water restrictive layer bedrock
Profe Solid Substitution Profe C.S.S. Profe	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3 Profile	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock	0 1 2 3 4 5 6 6 7 7 8 8 9 10 10 SOIL SURFACE (Inches) S.S. 0 6 6 7 9 6 6 7 9 9 9 9 9 9 9 9 9 9 9 9 9	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3 :	Color DARK BROWN BROWN LIGHT YELLOWISH BROWN AVATION = 30" Limiting factor >30" Drainage Class	Mottling NONE OBSERVED ground water restrictive layer bedrock
Profe	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3 Profile	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock	0 1 2 3 4 4 5 6 7 7 8 9 9 10 12 22 22 22 22 22 22 22 22 22 22 22 22	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3 :	Color DARK BROWN BROWN LIGHT YELLOWISH BROWN AVATION = 30" Limiting factor >30" Drainage Class	Mottling NONE OBSERVED ground water restrictive layer bedrock
Profe	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3 Profile	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock	0 1 2 3 4 5 6 6 7 7 8 9 9 10 11 14 14 15 16 16 18 16 16 16 16 16	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3 :	Color DARK BROWN BROWN LIGHT YELLOWISH BROWN AVATION = 30" Limiting factor >30" Drainage Class	Mottling NONE OBSERVED ground water restrictive layer bedrock
9 10 12 15 16 16 18 20 17 SOIT SOIT SOIT SOIT SOIT SOIT SOIT SOIT	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric Soil Series / phase name: Soil Classification: signature: name printed/typed:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3 Profile	DARK BROWN BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN Limiting factor >30" Drainage Class C Soil Condition	NONE OBSERVED ground water restrictive layer bedrock	O 1 2 3 3 4 5 6 7 7 8 9 9 10 11 14 16 16 16 16 16 16	Texture SANDY LOAM LOAMY FINE SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3 :	Color DARK BROWN BROWN LIGHT YELLOWISH BROWN AVATION = 30" Limiting factor >30" Drainage Class	Mottling NONE OBSERVED ground water restrictive layer bedrock

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Alexander A. Finamore

F	ORM F								
	OKINI I			L PROFILE/CLASS					
Proje	ect Name:		Applicant Name:	tailed Description of Sub	surface Co	onditions at Project Sites	Project Location (m	unicipality):	
	Annie's Way S	Subdivision	1	MTR Development	, LLC			Windham	
	Exploration Symbol:	SOIL DESCRIPTION AN TP-13	X Test Pit	Boring		Exploration Symbol:	SOIL DESCRIPTION AND TP-14	X Test Pit	Boring
O	Texture	Depth of Organic Horizon Abou	ve Mineral Soil Color	Mottling		Texture	Depth of Organic Horizon Abov	e Mineral Soil Color	Mottling
1	SANDY LOAM	FRIABLE	DARK BROWN	NONE	1 2	LOAM	FRIABLE	DARK BROWN	NONE
3	3	, ,,,,,,,,		OBSERVED	3	207	, , , , , , ,		OBSERVED
5	5				5				
(sət	7		BROWN		(Set				
(Inches)	3				(Inches)	FINE SANDY LOAM		BROWN	
SURFACE					3ACE	DOAM			
12 14	4	1	LIGHT YELLOWISH		SURFA				
7/OS	LOAMY FINE SAND		BROWN		8 7/OS 19				
7 _20					RAL S	MEDIUM SAND		GRAYISH BROWN	FEW, FINE,
WINER 22						MEDIOM SAIND		GRA713H BROWN	& FAINT
3	3				OW MINE				
0 1 30					┙ │┧一┈				
РТН ВЕ 		LIMIT OF EXC	CAVATION = 30"	I	- HF		LIMIT OF EXC	CAVATION = 30"	
DEP					DEPTH I				
40	3				40				
50)				50				
60					60				
-	hydric	Slope %	Limiting factor	□ ground water	-	hydric	Slope %	Limiting factor	■ ground water
•	non-hydric	0-3	<u>>30"</u>	□ restrictive layer □ bedrock	• .	non-hydric	0-3	19"	restrictive layerbedrock
C.S.S.	Soil Series / phase name:	•	Duning and Olega	Lhadada sia Orana	C.S.S.	Soil Series / phase name:		During and Olega	Lhudada aia Oasua
	Soil Classification:		Drainage Class	Hydrologic Group		Soil Classification:	5/7	Drainage Class C	Hydrologic Group
L.S.E.		Profile	Soil Condition		L.S.E.		Profile	Soil Condition	
	Exploration Symbol:	SOIL DESCRIPTION AN TP-15	X Test Pit	Boring	┨		SOIL DESCRIPTION AN	_	Doring .
	·			l Donnig		Exploration Symbol:	TP-16	X Test Pit	Boring
			ve Mineral Soil]	0	TP-16 Depth of Organic Horizon Abov	re Mineral Soil	
1	Texture	Depth of Organic Horizon Above Consistency	ve Mineral Soil Color	Mottling	0 1	Texture 0	Depth of Organic Horizon Abov	e Mineral Soil Color	Mottling
1 2 3			ve Mineral Soil		0 1 2 3	0	Depth of Organic Horizon Abov	re Mineral Soil	
	Texture	Depth of Organic Horizon Above Consistency	ve Mineral Soil Color	Mottling NONE		Texture 0	Depth of Organic Horizon Abov	e Mineral Soil Color	Mottling
(Se)	Texture	Depth of Organic Horizon Above Consistency	ve Mineral Soil Color	Mottling NONE	0 1 2 3 4 5	Texture 0	Depth of Organic Horizon Abov	Color DARK BROWN DARK YELLOWISH	Mottling
(Inches)	Texture LOAM FINE SANDY	Depth of Organic Horizon Above Consistency	ve Mineral Soil Color	Mottling NONE	0 1 2 3 4 5	Texture 0	Depth of Organic Horizon Abov	Color DARK BROWN	Mottling
4CE (Inches)	Texture LOAM	Depth of Organic Horizon Above Consistency	Color DARK BROWN	Mottling NONE	(seyou))	Texture 0	Depth of Organic Horizon Abov	Color DARK BROWN DARK YELLOWISH	Mottling
	Texture LOAM FINE SANDY	Depth of Organic Horizon Above Consistency	Color DARK BROWN	Mottling NONE	(seyou))	Texture 0	Depth of Organic Horizon Abov	Color DARK BROWN DARK YELLOWISH	Mottling
SURFACE	Texture LOAM FINE SANDY LOAM	Depth of Organic Horizon Above Consistency	Color DARK BROWN	Mottling NONE	00 1 1 2 2 3 3 4 4 5 5 6 6 (Inches) 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Texture 0	Depth of Organic Horizon Abov	Color DARK BROWN DARK YELLOWISH	Mottling
SOIL SURFACE	Texture LOAM FINE SANDY LOAM	Depth of Organic Horizon Above Consistency	Color DARK BROWN BROWN	Mottling NONE OBSERVED	SOIL SURFACE (Inches) 1 2 3 4 5 6 6 1 1 12 13 18 18	Texture SANDY LOAM	Depth of Organic Horizon Abov	DARK BROWN DARK YELLOWISH LIGHT YELLOWISH	Mottling
SAL SOIL SURFACE 10	Texture LOAM FINE SANDY LOAM SILT LOAM	Depth of Organic Horizon Above Consistency	Color DARK BROWN	Mottling NONE	8AL SOIL SURFACE (Inches)	Texture SANDY LOAM	Depth of Organic Horizon Abov	DARK YELLOWISH BROWN	Mottling
MINERAL SOIL SURFACE 10	Texture LOAM FINE SANDY LOAM SILT LOAM	Depth of Organic Horizon Above Consistency	Color DARK BROWN BROWN	Mottling NONE OBSERVED FEW, FINE,	MINERAL SOIL SURFACE (Inches)	Texture SANDY LOAM	Depth of Organic Horizon Abov Consistency FRIABLE	DARK BROWN DARK YELLOWISH LIGHT YELLOWISH	Mottling
OW MINERAL SOIL SURFACE 00	Texture LOAM FINE SANDY LOAM SILT LOAM	Depth of Organic Horizon Above Consistency	Color DARK BROWN BROWN	Mottling NONE OBSERVED FEW, FINE,	MINERAL SOIL SURFACE (Inches)	Texture SANDY LOAM MEDIUM SAND	Depth of Organic Horizon Abov	DARK BROWN DARK YELLOWISH LIGHT YELLOWISH	Mottling
BELOW MINERAL SOIL SURFACE Solution	Texture LOAM FINE SANDY LOAM SILT LOAM	Depth of Organic Horizon Above Consistency FRIABLE	Color DARK BROWN BROWN	Mottling NONE OBSERVED FEW, FINE,	BELOW MINERAL SOIL SURFACE (Inches)	Texture SANDY LOAM MEDIUM SAND	Depth of Organic Horizon Abov Consistency FRIABLE LOOSE	DARK BROWN DARK YELLOWISH LIGHT YELLOWISH	Mottling
OW MINERAL SOIL SURFACE 00	Texture LOAM FINE SANDY LOAM SILT LOAM	Depth of Organic Horizon Above Consistency FRIABLE	Color DARK BROWN BROWN GRAYISH BROWN	Mottling NONE OBSERVED FEW, FINE,	BELOW MINERAL SOIL SURFACE (Inches) 1	Texture SANDY LOAM MEDIUM SAND	Depth of Organic Horizon Abov Consistency FRIABLE LOOSE	DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN	Mottling
PTH BELOW MINERAL SOIL SURFACE 10	Texture LOAM FINE SANDY LOAM SILT LOAM	Depth of Organic Horizon Above Consistency FRIABLE	Color DARK BROWN BROWN GRAYISH BROWN	Mottling NONE OBSERVED FEW, FINE,	0 1 2 3 4 4 5 5 6 6 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Texture SANDY LOAM MEDIUM SAND	Depth of Organic Horizon Abov Consistency FRIABLE LOOSE	DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN	Mottling
DEPTH BELOW MINERAL SOIL SURFACE DEPTH BELOW MINERAL SOIL SURFACE	Texture LOAM FINE SANDY LOAM SILT LOAM	Depth of Organic Horizon Above Consistency FRIABLE	Color DARK BROWN BROWN GRAYISH BROWN	Mottling NONE OBSERVED FEW, FINE,	DEPTH BELOW MINERAL SOIL SURFACE (Inches) 1	Texture SANDY LOAM MEDIUM SAND	Depth of Organic Horizon Abov Consistency FRIABLE LOOSE	DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN	Mottling
DEPTH BELOW MINERAL SOIL SURFACE 10	Texture LOAM FINE SANDY LOAM SILT LOAM	Depth of Organic Horizon Above Consistency FRIABLE	Color DARK BROWN BROWN GRAYISH BROWN	Mottling NONE OBSERVED FEW, FINE,	0 1 2 3 4 4 5 6 6 7 7 7 8 8 8 7 1 1 1 1 1 1 1 1 1 1 1 1 1	Texture SANDY LOAM MEDIUM SAND	Depth of Organic Horizon Abov Consistency FRIABLE LOOSE	DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN	Mottling
DEPTH BELOW MINERAL SOIL SURFACE 10	Texture LOAM FINE SANDY LOAM SILT LOAM	Depth of Organic Horizon Above Consistency FRIABLE	Color DARK BROWN BROWN GRAYISH BROWN	Mottling NONE OBSERVED FEW, FINE,	0 1 2 3 4 4 5 6 6 7 7 7 10 11 11 12 12 12 12 12 12 12 12 12 13 13 18 18 18 18 18 18 18 18 18 18 18 18 18	Texture SANDY LOAM MEDIUM SAND	Depth of Organic Horizon Abov Consistency FRIABLE LOOSE	DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN	Mottling
DEPTH BELOW MINERAL SOIL SURFACE 10	Texture LOAM FINE SANDY LOAM SILT LOAM	Consistency FRIABLE LIMIT OF EXC	CAVATION = 30"	Mottling NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer	0 1 2 3 3 4 4 5 5 6 6 7 7 11 11 12 12 12 12 12 12 12 12 12 12 12	Texture SANDY LOAM MEDIUM SAND	Consistency FRIABLE LOOSE LIMIT OF EXC	DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN CAVATION = 30"	NONE OBSERVED ground water restrictive layer
DEPTH BELOW MINERAL SOIL SURFACE 10	Texture LOAM FINE SANDY LOAM SILT LOAM hydric	Consistency FRIABLE LIMIT OF EXC Slope % O-3	CAVATION = 30" Limiting factor 19"	Mottling NONE OBSERVED FEW, FINE, & FAIN1 ground water restrictive layer bedrock	0 1 2 3 4 4 5 6 6 7 7 7 8 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Texture SANDY LOAM MEDIUM SAND hydric	Consistency FRIABLE LOOSE LIMIT OF EXC	Color DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN CAVATION = 30" Limiting factor >30"	NONE OBSERVED ground water restrictive layer bedrock
9 10 12 15 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric	Consistency FRIABLE LIMIT OF EXC Slope % O-3	CAVATION = 30" Limiting factor	Mottling NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer	0 1 2 3 4 4 5 6 6 7 7 8 8 8 11 11 12 12 12 12 12 12 12 12 12 12 12	Texture SANDY LOAM MEDIUM SAND hydric non-hydric	Consistency FRIABLE LOOSE LIMIT OF EXC	Color DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN CAVATION = 30" Limiting factor	NONE OBSERVED ground water restrictive layer
9 10 12 15 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name:	Consistency FRIABLE LIMIT OF EXC	CAVATION = 30" Limiting factor 19" Drainage Class	Mottling NONE OBSERVED FEW, FINE, & FAIN1 ground water restrictive layer bedrock	0 1 2 3 3 4 4 5 6 6 7 7 7 8 8 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1	Texture SANDY LOAM MEDIUM SAND hydric non-hydric ,Soil Series / phase name:	Consistency FRIABLE LOOSE LIMIT OF EXC	Color DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock
9 10 12 15 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3	CAVATION = 30" Limiting factor 19" Drainage Class C_C	Mottling NONE OBSERVED FEW, FINE, & FAIN1 ground water restrictive layer bedrock	0 1 2 3 4 4 5 6 6 7 7 11 11 12 12 12 12 12 12 12 12 12 12 12	Texture SANDY LOAM MEDIUM SAND hydric non-hydric ,Soil Series / phase name:	Consistency FRIABLE LOOSE LIMIT OF EXC	DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock
9 10 12 15 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name:	Consistency FRIABLE LIMIT OF EXC Slope % 0-3	CAVATION = 30" Limiting factor 19" Drainage Class C_C	Mottling NONE OBSERVED FEW, FINE, & FAIN1 ground water restrictive layer bedrock	0 1 2 3 4 4 5 6 6 7 7 11 11 12 12 12 12 12 12 12 12 12 12 12	Texture SANDY LOAM MEDIUM SAND hydric non-hydric ,Soil Series / phase name:	Consistency FRIABLE LOOSE LIMIT OF EXC	DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock
9 10 12 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LIMIT OF EXC Slope % O-3 Profile	CAVATION = 30" Limiting factor 19" Drainage Class C_C	Mottling NONE OBSERVED FEW, FINE, & FAIN1 ground water restrictive layer bedrock	0 1 2 3 4 4 5 6 6 7 7 11 11 12 12 12 12 12 12 12 12 12 12 12	Texture SANDY LOAM MEDIUM SAND hydric non-hydric ,Soil Series / phase name:	Consistency FRIABLE LOOSE LIMIT OF EXC	DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock
9 100 122 15 16 16 19 20	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LIMIT OF EXC Slope % O-3 Profile	CAVATION = 30" Limiting factor 19" Drainage Class C_C	Mottling NONE OBSERVED FEW, FINE, & FAIN1 ground water restrictive layer bedrock	0 1 2 3 3 4 5 6 6 7 7 8 8 9 9 10 11 11 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Texture SANDY LOAM MEDIUM SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LOOSE LIMIT OF EXC	DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock
9 100 122 15 16 16 19 20	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LIMIT OF EXC Slope % O-3 Profile	CAVATION = 30" Limiting factor 19" Drainage Class C_C	Mottling NONE OBSERVED FEW, FINE, & FAIN1 ground water restrictive layer bedrock	0 1 2 3 3 4 5 6 6 7 7 8 8 9 9 10 11 11 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Texture SANDY LOAM MEDIUM SAND hydric non-hydric ,Soil Series / phase name:	Consistency FRIABLE LOOSE LIMIT OF EXC	DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock
9 10 12 15 16 16 19 20 20 25 16 16 19 25 16 16 16 16 16 16 16 16 16 16 16 16 16	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LIMIT OF EXC Slope % O-3 Profile	CAVATION = 30" Limiting factor 19" Drainage Class C_C	Mottling NONE OBSERVED FEW, FINE, & FAIN1 ground water restrictive layer bedrock	0 1 2 3 4 5 6 6 7 7 7 7 7 7 7 7	Texture SANDY LOAM MEDIUM SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LOOSE LIMIT OF EXC	DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock
9 100 121 15 16 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LIMIT OF EXC Slope % O-3 Profile	CAVATION = 30" Limiting factor 19" Drainage Class C_C	Mottling NONE OBSERVED FEW, FINE, & FAIN1 ground water restrictive layer bedrock	0 1 2 3 4 5 6 6 7 7 7 7 7 7 7 7	Texture SANDY LOAM MEDIUM SAND hydric non-hydric , Soil Series / phase name: , Soil Classification:	Consistency FRIABLE LOOSE LIMIT OF EXC	DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock
9 100 122 15 16 16 19 20	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name: Soil Classification:	Consistency FRIABLE LIMIT OF EXC Slope % O-3 Profile	CAVATION = 30" Limiting factor 19" Drainage Class C Soil Condition	Mottling NONE OBSERVED FEW, FINE, & FAIN1 ground water restrictive layer bedrock	O 1 2 3 4 5 6 6 7 7 7 7 7 7 7 7	Texture SANDY LOAM MEDIUM SAND hydric non-hydric , Soil Series / phase name: , Soil Classification:	Consistency FRIABLE LOOSE LIMIT OF EXC	DARK BROWN DARK YELLOWISH BROWN LIGHT YELLOWISH BROWN Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock

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Alexander A. Finamore

FC	ORM F								
				IL PROFILE/CLASS					
Proje	ect Name:		Applicant Name:	etailed Description of Sub	surface Co	nditions at Project Sites	Project Location (m	unicipality):	
	Annie's Way S	Subdivision		MTR Development	, LLC			Windham	
	SOIL DESCRIPTION AND CLASSIFICATION Exploration Symbol: TP-17 X Test Pit Boring					Exploration Symbol:	SOIL DESCRIPTION AND CLASSIFICATION TP-18		
0	Texture 1	Depth of Organic Horizon Abov	ve Mineral Soil Color	Mottling		Texture	Depth of Organic Horizon Abov	e Mineral Soil Color	Mottling
1	SANDY LOAM	FRIABLE	DARK BROWN	NONE	1 2	SANDY LOAM	FRIABLE	DARK BROWN	NONE
3		, ,,,,,,,,,		OBSERVED	3		, , , , , , ,		OBSERVED
5					5				
(Sat 7					(Sa) 6				
(Inches)					(luches)				
$\frac{ACE}{10}$					3 4 10				
SURFACE			+		SURFA 12				
3 7/OS	LOAMY FINE SAND		BROWN		7//OS	LOAMY FINE SAND		BROWN	
7 _20					RAL S				
	LOAMY SAND		YELLOWISH			LOAMY SAND		YELLOWISH	
= M MINE			BROWN		OW MINE			BROWN	
BELO					9 8ELO				
PTH E		LIMIT OF EX	CAVATION = 30"	<u> </u>	DEPTH E		LIMIT OF EXC	CAVATION = 30"	<u>'</u>
DEF									
40					40				
50					50				
60					60				
	hydric	Slope %	Limiting factor	ground water	 	hydric	Slope %	Limiting factor	□ ground water
•	non-hydric		<u>>30"</u>	restrictive layerbedrock	•	non-hydric	0-3	<u>>30"</u>	restrictive layerbedrock
C.S.S.	Soil Series / phase name:		 Drainage Class	Hydrologic Group	C.S.S.	Soil Series / phase name:		Drainage Class	Hydrologic Group
L.S.E.	Soil Classification:	5		————	L.S.E.	Soil Classification:	5	C C	————
L.S.L.		Profile SOIL DESCRIPTION AN	Soil Condition				Profile SOIL DESCRIPTION AN	Soil Condition	
	Exploration Symbol:	TP-19	X Test Pit	Boring	1	Exploration Symbol:	TP-20	X Test Pit	Boring
			wo Minoral Soil		- -			- Min and Oall	
0		0		Martillar as	-		Depth of Organic Horizon Abov		BA - ((1)
1	Texture	Consistency	Color	Mottling	0	Texture	Consistency	Color	Mottling
1 2 3	LOAM	Consistency FRIABLE		Mottling NONE OBSERVED	0 1 2 3				NONE OBSERVED
1 2 3 4 5			Color	NONE	0 1 2 3 4 5	Texture	Consistency	Color	NONE
(Se)			Color	NONE	0 1 2 3 4 5 (δθ 7	Texture	Consistency	Color	NONE
(luches)			Color	NONE	(luches)	Texture	Consistency	Color	NONE
	LOAM LOAMY FINE		Color	NONE	ACE (Inches) 3 4 5 6 7 10	Texture SANDY LOAM LOAMY FINE	Consistency	Color	NONE
	LOAM		DARK BROWN	NONE	4CE 10	Texture SANDY LOAM	Consistency	DARK BROWN	NONE
SURFACE 10 15 15 15 15 15 15 15	LOAM LOAMY FINE SAND		DARK BROWN	NONE	N S O N S O	Texture SANDY LOAM LOAMY FINE	Consistency	DARK BROWN	NONE
SOIL SURFACE 10 11 12 15 16 19	LOAMY FINE SAND		DARK BROWN BROWN	NONE OBSERVED	SOIL SURFACE	Texture SANDY LOAM LOAMY FINE SAND	Consistency	DARK BROWN BROWN	NONE OBSERVED
SAL SOIL SURFACE 10 10 10 10 10 10 10	LOAMY FINE SAND		DARK BROWN	NONE OBSERVED	AAL SOIL SURFACE 10 11 12 13 18 18 20 20 22 22	Texture SANDY LOAM LOAMY FINE	Consistency	DARK BROWN	NONE OBSERVED
MINERAL SOIL SURFACE 10 10 10 10 10 10 10 1	LOAMY FINE SAND		DARK BROWN BROWN	NONE OBSERVED	WINERAL SOIL SURFACE 10 11 12 12 13 18 18 20 20 22 24	Texture SANDY LOAM LOAMY FINE SAND	Consistency	DARK BROWN BROWN	NONE OBSERVED
OW MINERAL SOIL SURFACE Solution Soluti	LOAMY FINE SAND LOAMY SAND		DARK BROWN BROWN	NONE OBSERVED	ELOW MINERAL SOIL SURFACE 10 11 12 13 18 18 18 20 20 21 24	Texture SANDY LOAM LOAMY FINE SAND	Consistency	DARK BROWN BROWN	NONE OBSERVED
BELOW MINERAL SOIL SURFACE Solution	LOAMY FINE SAND LOAMY SAND	FRIABLE	DARK BROWN BROWN	NONE OBSERVED	BELOW MINERAL SOIL SURFACE 10 11 12 13 18 18 20 22 24 30 30	Texture SANDY LOAM LOAMY FINE SAND	FRIABLE	DARK BROWN BROWN	NONE OBSERVED
OW MINERAL SOIL SURFACE Solution Soluti	LOAMY FINE SAND LOAMY SAND	FRIABLE	BROWN YELLOWISH BROWN	NONE OBSERVED	BELOW MINERAL SOIL SURFACE 10 11 12 13 18 18 18 20 20 24 24	Texture SANDY LOAM LOAMY FINE SAND	FRIABLE	BROWN SELLOWISH BROWN	NONE OBSERVED
PTH BELOW MINERAL SOIL SURFACE 10	LOAMY FINE SAND LOAMY SAND	FRIABLE	BROWN YELLOWISH BROWN	NONE OBSERVED	9 10 11 12 13 18 18 18 20 22 22 24 34 34	Texture SANDY LOAM LOAMY FINE SAND	FRIABLE	BROWN SELLOWISH BROWN	NONE OBSERVED
DEPTH BELOW MINERAL SOIL SURFACE DEPTH BELOW MINERAL SOIL SURFACE	LOAMY FINE SAND LOAMY SAND	FRIABLE	BROWN YELLOWISH BROWN	NONE OBSERVED	9 10 11 12 13 13 18 18 18 20 24 24 24 34 40	Texture SANDY LOAM LOAMY FINE SAND	FRIABLE	BROWN SELLOWISH BROWN	NONE OBSERVED
DEPTH BELOW MINERAL SOIL SURFACE 10	LOAMY FINE SAND	FRIABLE	BROWN YELLOWISH BROWN	NONE OBSERVED	9 10 11 12 13 13 18 18 20 20 24 24 24 34 40 48	Texture SANDY LOAM LOAMY FINE SAND	FRIABLE	BROWN SELLOWISH BROWN	NONE OBSERVED
DEPTH BELOW MINERAL SOIL SURFACE 0	LOAMY FINE SAND LOAMY SAND hydric	FRIABLE	BROWN YELLOWISH BROWN	NONE OBSERVED	9 10 11 13 13 13 18 20 20 24 24 24 34 48 50 60	Texture SANDY LOAM LOAMY FINE SAND LOAMY SAND hydric	FRIABLE	BROWN SELLOWISH BROWN	NONE OBSERVED
9 10 11 12 15 16 16 17 18 18 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	LOAMY FINE SAND LOAMY SAND hydric non-hydric	Slope % O-3	DARK BROWN BROWN YELLOWISH BROWN CAVATION = 30"	NONE OBSERVED	9 10 11 12 20 20 20 20 21 24 40 48 50 60	Texture SANDY LOAM LOAMY FINE SAND LOAMY SAND hydric non-hydric	FRIABLE LIMIT OF EXC Slope % 0-3	BROWN BROWN YELLOWISH BROWN CAVATION = 30"	NONE OBSERVED
9 DEPTH BELOW MINERAL SOIL SURFACE 12 12 12 12 12 12 12 12 12 12 12 12 12 1	LOAMY FINE SAND LOAMY SAND hydric	Slope % O-3	DARK BROWN BROWN YELLOWISH BROWN CAVATION = 30" Limiting factor >30"	NONE OBSERVED ground water restrictive layer bedrock	9 10 11 12 20 20 20 20 21 24 40 48 50 60	Texture SANDY LOAM LOAMY FINE SAND LOAMY SAND hydric	FRIABLE LIMIT OF EXC Slope % 0-3	BROWN BROWN SAVATION = 30" Limiting factor >30"	NONE OBSERVED ground water restrictive layer bedrock
9 10 12 12 15 16 16 16 17 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	LOAMY FINE SAND LOAMY SAND hydric non-hydric	Slope % O-3	DARK BROWN BROWN YELLOWISH BROWN CAVATION = 30" Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer	9 10 11 12 20 20 20 21 24 24 24 24 34 48 50 60	Texture SANDY LOAM LOAMY FINE SAND LOAMY SAND hydric non-hydric	Slope % O-3	DARK BROWN BROWN PELLOWISH BROWN Limiting factor >30" Drainage Class C	NONE OBSERVED ground water restrictive layer
9 10 12 15 15 16 16 19 20 17 SOIT SUBFACE 25 20 17 SOIT SUBFACE 40 40 40 48 50 60 60 60 60 60 60 60 60 60 60 60 60 60	LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name:	Slope % O-3	BROWN BROWN SELLOWISH BROWN CAVATION = 30" Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock	9 10 11 12 13 13 18 18 20 22 24 24 48 50 60 60	LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name:	Slope % O-3	BROWN BROWN SELLOWISH BROWN Limiting factor 30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock
9 10 12 15 15 16 16 19 20 17 SOIT SUBFACE 25 20 18 20	LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name:	Slope % O-3	DARK BROWN BROWN YELLOWISH BROWN CAVATION = 30" Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock	9 10 11 12 13 13 18 18 20 22 24 24 48 50 60 60	LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name:	Slope % O-3	DARK BROWN BROWN PELLOWISH BROWN Limiting factor >30" Drainage Class C	NONE OBSERVED ground water restrictive layer bedrock
9 10 12 15 15 16 16 19 20 17 SOIT SUBFACE 25 20 18 20	LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name:	Slope % O-3	DARK BROWN BROWN YELLOWISH BROWN CAVATION = 30" Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock	9 10 11 12 13 13 18 18 20 22 24 24 48 50 60 60	LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name:	Slope % O-3	DARK BROWN BROWN PELLOWISH BROWN Limiting factor >30" Drainage Class C	NONE OBSERVED ground water restrictive layer bedrock
9 10 12 15 15 16 16 19 20 20 20 20 20 20 20 20 20 20 20 20 20	LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name:	Slope % O-3 Profile	DARK BROWN BROWN YELLOWISH BROWN CAVATION = 30" Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock	9 10 11 12 13 13 18 18 20 22 24 24 48 50 60 60	LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name:	Slope % O-3	DARK BROWN BROWN PELLOWISH BROWN Limiting factor >30" Drainage Class C	NONE OBSERVED ground water restrictive layer bedrock
9 10 12 15 16 19 20 20 25 16 19 25 16 16 19 25 16 16 16 16 16 16 16 16 16 16 16 16 16	LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Slope % O-3 Profile	DARK BROWN BROWN YELLOWISH BROWN CAVATION = 30" Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock	9 10 11 12 13 13 18 18 20 22 24 24 48 50 60 60	LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Slope % O-3	DARK BROWN BROWN PELLOWISH BROWN Limiting factor >30" Drainage Class C	NONE OBSERVED ground water restrictive layer bedrock
9 10 12 15 16 19 20 20 25 16 19 25 16 16 19 25 16 16 16 16 16 16 16 16 16 16 16 16 16	LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Slope % O-3 Profile	DARK BROWN BROWN YELLOWISH BROWN CAVATION = 30" Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock	9 10 11 12 13 18 20 22 24 24 24 48 50 60 60	Texture SANDY LOAM LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Slope % O-3	DARK BROWN BROWN PELLOWISH BROWN Limiting factor >30" Drainage Class C	NONE OBSERVED ground water restrictive layer bedrock
9 10 12 15 16 19 20 20 25 16 19 25 16 16 19 25 16 16 16 16 16 16 16 16 16 16 16 16 16	LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Slope % O-3 Profile	DARK BROWN BROWN YELLOWISH BROWN CAVATION = 30" Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock	9 10 11 12 20 20 20 24 24 24 48 50 60 60	Texture SANDY LOAM LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Slope % O-3	DARK BROWN BROWN PELLOWISH BROWN Limiting factor >30" Drainage Class C	NONE OBSERVED ground water restrictive layer bedrock
9 10 12 15 15 16 16 17 15 17 15 17 15 17 17 17 17 17 17 17 17 17 17 17 17 17	LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Slope % O-3 Profile	DARK BROWN BROWN YELLOWISH BROWN CAVATION = 30" Limiting factor >30" Drainage Class	NONE OBSERVED ground water restrictive layer bedrock	9 10 11 12 13 18 20 22 24 24 24 48 50 60 60	Texture SANDY LOAM LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Slope % O-3	DARK BROWN BROWN PELLOWISH BROWN Limiting factor >30" Drainage Class C	NONE OBSERVED ground water restrictive layer bedrock
9 10 12 15 16 19 20 20 25 16 19 25 16 16 19 25 16 16 16 16 16 16 16 16 16 16 16 16 16	LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name: Soil Classification: essional Endorsement signature: name printed/typed:	Slope % O-3 Profile	BROWN BROWN SELLOWISH BROWN Limiting factor 30" Drainage Class C Soil Condition	NONE OBSERVED ground water restrictive layer bedrock	9 10 11 12 13 18 20 22 24 24 24 48 50 60 60	Texture SANDY LOAM LOAMY FINE SAND LOAMY SAND hydric non-hydric Soil Series / phase name: Soil Classification:	Slope % O-3	DARK BROWN BROWN PELLOWISH BROWN Limiting factor >30" Drainage Class C	NONE OBSERVED ground water restrictive layer bedrock

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Alexander A. Finamore

Εſ	ORM F								
	JKIVI F		so	IL PROFILE/CLAS	SIFICATI	ON INFORMATIO	N		
Proje	ect Name: Annie's Way S	Subdivision	Applicant Name:	etailed Description of Sub MTR Developmen		nditions at Project Sites	Project Location (m	unicipality): Windham	
		SOIL DESCRIPTION AN	ND CLASSIFICATION				SOIL DESCRIPTION A	ND CLASSIFICATION	
	Exploration Symbol:	TP-21	X Test Pit	Boring		Exploration Symbol:	TP-22	X Test Pit	Boring
0	Texture 1	Depth of Organic Horizon Abov	ve Mineral Soil Color	Mottling		Texture	1 " Depth of Organic Horizon Above Consistency	e Mineral Soil Color	Mottling
1	SANDY LOAM	FRIABLE	DARK BROWN	NONE	1 2	SANDY LOAM	FRIABLE	DARK BROWN	NONE
3				OBSERVED	3	-			OBSERVED
5					5	LOAMY SAND		BROWN	
(<i>Inches</i>)					(Inches)				
Ш 9									
SURFAC	LOAMY FINE SAND		BROWN		SURFACE 10 12 14				
								LIGHT YELLOWISH	
7/OS 7					7/OS 19 20			BROWN	
₹ <u>22</u>	LOADY CAND		YELLOWISH BROWN	J .	OW MINERAL				
WINE 26	5				NIW Z			VILLOUITELL	
ELOW								YELLOWISH YELLOWISH	
<i>РТН ВЕ</i> 		LIMIT OF EX	CAVATION = 30"		1 19 1		LIMIT OF EXC	CAVATION = 30"	
DEPT					DEPTH,				
40			1		40			1	
50					50				
60					60				
	hydric	Slope %	Limiting factor	ground water	┥┠┈┤	hydric	Slope %	Limiting factor	□ ground water
•	non-hydric	0-3	<u>>30"</u>	restrictive layerbedrock	•	non-hydric	0-3	>30"	□ restrictive layer □ bedrock
C.S.S.	Soil Series / phase name:				C.S.S.	Soil Series / phase name			
	Soil Classification:		Drainage Class C	Hydrologic Group		Soil Classification:	5	Drainage Class C	Hydrologic Group
L.S.E.		Profile SOIL DESCRIPTION AN	Soil Condition		L.S.E.		Profile SOIL DESCRIPTION AI	Soil Condition	
	Exploration Symbol:	TP-FB1	X Test Pit	Boring	+	Evaloration Cymbol:	TP-FB2	X Test Pit	Boring
						Exploration Symbol:	<u> </u>	V Legel II	
		Depth of Organic Horizon Abov			1		D Depth of Organic Horizon Abov	e Mineral Soil	
1	Texture	Consistency	Color	Mottling	0 1	Texture	D " Depth of Organic Horizon Abov	e Mineral Soil Color	Mottling
0 1 2 3					0 1 2 3		D Depth of Organic Horizon Abov	e Mineral Soil	
3 4 5	Texture LOAM	Consistency	DARK BROWN	Mottling	0 1 2 3 4 5	Texture SANDY LOAM FINE SANDY	D " Depth of Organic Horizon Abov	e Mineral Soil Color	Mottling NONE
(sey)	Texture	Consistency	Color	Mottling	0 1 2 3 4 5 6	Texture SANDY LOAM	D " Depth of Organic Horizon Abov	Color DARK BROWN	Mottling NONE
(luches)	Texture LOAM FINE SANDY	Consistency	DARK BROWN	Mottling	0 1 2 3 4 5 6 7	Texture SANDY LOAM FINE SANDY	D " Depth of Organic Horizon Abov	Color DARK BROWN	Mottling NONE
2 2 3 3 4 4 5 5 6 6 7 7 10 10 10 10 10 10 10 10 10 10 10 10 10	Texture LOAM FINE SANDY LOAM	Consistency	DARK BROWN	Mottling	0 1 2 3 4 5 6 7	Texture SANDY LOAM FINE SANDY	D " Depth of Organic Horizon Abov	Color DARK BROWN	Mottling NONE
SURFACE 10 15 15 15 15 15 15 15	Texture LOAM FINE SANDY LOAM	Consistency	DARK BROWN	Mottling	0 1 2 3 4 5 6	Texture SANDY LOAM FINE SANDY LOAM	D " Depth of Organic Horizon Abov	Color DARK BROWN BROWN	Mottling NONE OBSERVED
OIL SURFACE	Texture LOAM FINE SANDY LOAM	Consistency	DARK BROWN	Mottling	0 1 2 3 4 5 6 6 7 7 10 11 11 14 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Texture SANDY LOAM FINE SANDY	D " Depth of Organic Horizon Abov	Color DARK BROWN	Mottling NONE
OIL SURFACE	Texture LOAM FINE SANDY LOAM	Consistency	DARK BROWN	Mottling	SOIL SURFACE (Inches) 1 2 3 4 5 6 6 7 10 11 14 14 16 17	Texture SANDY LOAM FINE SANDY LOAM	D " Depth of Organic Horizon Abov	Color DARK BROWN BROWN	Mottling NONE OBSERVED FEW, FINE,
OIL SURFACE	Texture LOAM FINE SANDY LOAM	Consistency	DARK BROWN	Mottling	SOIL SURFACE (Inches) 1 2 3 4 5 6 6 7 10 11 14 14 16 17	Texture SANDY LOAM FINE SANDY LOAM	Consistency FRIABLE	BROWN GRAYISH BROWN	Mottling NONE OBSERVED FEW, FINE, & FAIN1
MINERAL SOIL SURFACE 10	Texture LOAM FINE SANDY LOAM SILT LOAM	Consistency	DARK BROWN	Mottling NONE OBSERVED FEW, FINE,	SOIL SURFACE (Inches) 1 2 3 4 5 6 6 7 10 11 14 14 16 17	Texture SANDY LOAM FINE SANDY LOAM	Consistency FRIABLE	BROWN GRAYISH BROWN	Mottling NONE OBSERVED FEW, FINE, & FAIN1 COMMON, MEDIUM,
MINERAL SOIL SURFACE 10	Texture LOAM FINE SANDY LOAM SILT LOAM	FRIABLE	DARK BROWN BROWN	Mottling NONE OBSERVED	0 1 2 3 4 5 5 6 6 7 7 10 10 10 10 10 10 10 10 10 10 10 10 10	Texture SANDY LOAM FINE SANDY LOAM	Consistency FRIABLE	BROWN GRAYISH BROWN	Mottling NONE OBSERVED FEW, FINE, & FAIN1 COMMON, MEDIUM,
PTH BELOW MINERAL SOIL SURFACE 1	Texture LOAM FINE SANDY LOAM SILT LOAM	FRIABLE	DARK BROWN BROWN	Mottling NONE OBSERVED FEW, FINE,	0 1 2 3 4 5 5 6 6 7 7 10 10 10 10 10 10 10 10 10 10 10 10 10	Texture SANDY LOAM FINE SANDY LOAM	Consistency FRIABLE	BROWN GRAYISH BROWN	Mottling NONE OBSERVED FEW, FINE, & FAIN1 COMMON, MEDIUM,
TH BELOW MINERAL SOIL SURFACE	Texture LOAM FINE SANDY LOAM SILT LOAM	FRIABLE	BROWN GRAY	Mottling NONE OBSERVED FEW, FINE,	SOIL SURFACE (Inches) 1 2 3 4 5 6 6 7 10 11 14 14 16 17	Texture SANDY LOAM FINE SANDY LOAM	Consistency FRIABLE	BROWN GRAYISH BROWN	Mottling NONE OBSERVED FEW, FINE, & FAIN1 COMMON, MEDIUM,
PTH BELOW MINERAL SOIL SURFACE 1	Texture LOAM FINE SANDY LOAM SILT LOAM	FRIABLE	DARK BROWN BROWN	Mottling NONE OBSERVED FEW, FINE,	0 1 2 3 4 5 5 6 6 7 7 10 10 10 10 10 10 10 10 10 10 10 10 10	Texture SANDY LOAM FINE SANDY LOAM	Pi Depth of Organic Horizon Above Consistency FRIABLE FIRM	BROWN GRAYISH BROWN	Mottling NONE OBSERVED FEW, FINE, & FAIN1 COMMON, MEDIUM,
DEPTH BELOW MINERAL SOIL SURFACE 10	Texture LOAM FINE SANDY LOAM SILT LOAM	FRIABLE	BROWN GRAY	Mottling NONE OBSERVED FEW, FINE,	0 1 2 3 4 4 5 6 6 7 7 10 11 11 14 16 16 17 20 20 22 24 24 24 24 25 24 24 25 24 25 24 25 24 25 25 25 25 25 25 25 25 25 25 25 25 25	Texture SANDY LOAM FINE SANDY LOAM	Pi Depth of Organic Horizon Above Consistency FRIABLE FIRM	BROWN GRAYISH BROWN GRAY	Mottling NONE OBSERVED FEW, FINE, & FAIN1 COMMON, MEDIUM,
DEPTH BELOW MINERAL SOIL SURFACE 0	Texture LOAM FINE SANDY LOAM SILT LOAM	FIRM FIRM LIMIT OF EXC	CAVATION = 40"	Mottling NONE OBSERVED FEW, FINE, & FAINT	0 1 2 3 4 4 5 5 6 6 6 7 7 10 11 11 14 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Texture SANDY LOAM FINE SANDY LOAM SILT LOAM	PERM Consistency FRIABLE FIRM FIRM	Color DARK BROWN BROWN GRAYISH BROWN GRAY CAVATION = 40"	Mottling NONE OBSERVED FEW, FINE, & FAINT COMMON, MEDIUM, & DISTINCT
DEPTH BELOW MINERAL SOIL SURFACE 10	Texture LOAM FINE SANDY LOAM SILT LOAM	FRIABLE FIRM LIMIT OF EXC	BROWN BROWN GRAY CAVATION = 40" Limiting factor	Mottling NONE OBSERVED FEW, FINE, & FAINT ground water restrictive layer	0 1 2 3 4 4 5 6 6 7 7 10 11 11 14 16 16 17 20 20 22 24 24 24 24 25 24 24 25 24 25 24 25 24 25 25 25 25 25 25 25 25 25 25 25 25 25	Texture SANDY LOAM FINE SANDY LOAM	Consistency FRIABLE FIRM FIRM Slope %	Color DARK BROWN BROWN GRAYISH BROWN GRAY CAVATION = 40" Limiting factor	Mottling NONE OBSERVED FEW, FINE, & FAINT COMMON, MEDIUM, & DISTINCT ground water restrictive layer
DEPTH BELOW MINERAL SOIL SURFACE 0	Texture LOAM FINE SANDY LOAM SILT LOAM hydric	FIRM FIRM LIMIT OF EXC	CAVATION = 40" Limiting factor 26"	Mottling NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock	0 1 2 3 4 4 5 5 6 6 6 7 7 10 11 11 11 14 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Texture SANDY LOAM FINE SANDY LOAM SILT LOAM hydric	Consistency FRIABLE FIRM FIRM Slope % O-3	Color DARK BROWN BROWN GRAY GRAY GRAY Limiting factor 17"	Mottling NONE OBSERVED FEW, FINE, & FAINI COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock
9 10 12 12 15 16 16 16 17 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name:	FIRM FIRM Slope % 3-8	BROWN BROWN GRAY CAVATION = 40" Limiting factor 26" Drainage Class	Mottling NONE OBSERVED FEW, FINE, & FAINT ground water restrictive layer	0 1 2 3 4 4 5 5 6 6 6 7 7 7 11 14 14 16 16 17 7 17 17 17 17 17 17 17 17 17 17 17 1	Texture SANDY LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name	Consistency FRIABLE FIRM Slope % 0-3	Color DARK BROWN BROWN GRAYISH BROWN GRAY Limiting factor 17" Drainage Class	Mottling NONE OBSERVED FEW, FINE, & FAINT COMMON, MEDIUM, & DISTINCT ground water restrictive layer
9 10 12 15 16 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric	FRIABLE FIRM LIMIT OF EXC	CAVATION = 40" Limiting factor 26"	Mottling NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock	0 1 2 3 4 4 5 5 6 6 6 7 7 7 11 14 14 16 16 17 7 17 17 17 17 17 17 17 17 17 17 17 1	Texture SANDY LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric	Consistency FRIABLE FIRM FIRM Slope % O-3	Color DARK BROWN BROWN GRAY GRAY GRAY Limiting factor 17"	Mottling NONE OBSERVED FEW, FINE, & FAINI COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock
9 10 12 15 16 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name:	FRIABLE FIRM FIRM Slope % 3-8	CAVATION = 40" Limiting factor 26" Drainage Class	Mottling NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock	0 1 2 3 4 4 5 5 6 6 6 7 7 10 11 11 11 12 20 17 2	Texture SANDY LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name	Consistency FRIABLE FIRM Slope % 0-3	Color DARK BROWN BROWN GRAYISH BROWN GRAY Limiting factor 17" Drainage Class C	Mottling NONE OBSERVED FEW, FINE, & FAINI COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock
9 10 12 15 16 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name:	FRIABLE FIRM FIRM Slope % 3-8	CAVATION = 40" Limiting factor 26" Drainage Class	Mottling NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock	0 1 2 3 4 4 5 5 6 6 6 7 7 10 11 11 11 12 20 17 2	Texture SANDY LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name	Consistency FRIABLE FIRM Slope % 0-3	Color DARK BROWN BROWN GRAYISH BROWN GRAY Limiting factor 17" Drainage Class C	Mottling NONE OBSERVED FEW, FINE, & FAINI COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock
9 10 12 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name: Soil Classification:	FRIABLE FIRM FIRM Slope % 3-8 Profile	CAVATION = 40" Limiting factor 26" Drainage Class	Mottling NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock	0 1 2 3 4 4 5 5 6 6 6 7 7 10 11 11 11 12 20 17 2	Texture SANDY LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name	Consistency FRIABLE FIRM Slope % 0-3	Color DARK BROWN BROWN GRAYISH BROWN GRAY Limiting factor 17" Drainage Class C	Mottling NONE OBSERVED FEW, FINE, & FAINI COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock
9 10 12 15 16 16 19 20 17 20 1	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name: Soil Classification:	FRIABLE FIRM FIRM Slope % 3-8 Profile	CAVATION = 40" Limiting factor 26" Drainage Class	Mottling NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock	0 1 2 3 4 5 5 6 6 6 7 7 10 11 14 16 16 17 17 20 20 22 24 24 24 24 24 24 24 24 24 24 24 24	Texture SANDY LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name Soil Classification:	Consistency FRIABLE FIRM Slope % 0-3	Color DARK BROWN BROWN GRAYISH BROWN GRAY Limiting factor 17" Drainage Class C	Mottling NONE OBSERVED FEW, FINE, & FAINI COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock
9 10 12 15 16 16 19 20 17 20 1	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name: Soil Classification:	FRIABLE FIRM FIRM Slope % 3-8 Profile	CAVATION = 40" Limiting factor 26" Drainage Class	Mottling NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock	0 1 2 3 4 4 5 5 6 6 6 7 7 10 11 11 11 12 20 17 2	Texture SANDY LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name Soil Classification:	Consistency FRIABLE FIRM Slope % 0-3	Color DARK BROWN BROWN GRAYISH BROWN GRAY Limiting factor 17" Drainage Class C	Mottling NONE OBSERVED FEW, FINE, & FAINI COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock
9 10 12 15 16 16 19 20 17 20 1	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name: Soil Classification:	FRIABLE FIRM FIRM Slope % 3-8 Profile	CAVATION = 40" Limiting factor 26" Drainage Class	Mottling NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock	0 1 2 3 4 5 5 6 6 6 7 7 10 11 14 16 16 17 17 20 20 22 24 24 24 24 24 24 24 24 24 24 24 24	Texture SANDY LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name Soil Classification:	Consistency FRIABLE FIRM Slope % 0-3	Color DARK BROWN BROWN GRAYISH BROWN GRAY Limiting factor 17" Drainage Class C	Mottling NONE OBSERVED FEW, FINE, & FAINI COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock
9 10 12 15 16 16 19 20 17 20 1	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name: Soil Classification:	FRIABLE FIRM FIRM Slope % 3-8 Profile	CAVATION = 40" Limiting factor 26" Drainage Class	Mottling NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock	0 1 2 3 4 4 5 5 6 6 7 7 10 11 11 11 12 20 17 20	Texture SANDY LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name Soil Classification:	Consistency FRIABLE FIRM Slope % 0-3	Color DARK BROWN BROWN GRAYISH BROWN GRAY Limiting factor 17" Drainage Class C	Mottling NONE OBSERVED FEW, FINE, & FAINI COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock
9 10 12 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Texture LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name: Soil Classification: essional Endorsemen signature: name printed/typed:	FRIABLE FIRM FIRM Slope % 3-8 Profile	BROWN BROWN GRAY Limiting factor 26" Drainage Class C Soil Condition	Mottling NONE OBSERVED FEW, FINE, & FAINI ground water restrictive layer bedrock	0 1 2 3 4 4 5 5 6 6 7 7 10 11 11 11 12 20 17 20	Texture SANDY LOAM FINE SANDY LOAM SILT LOAM hydric non-hydric Soil Series / phase name Soil Classification:	Consistency FRIABLE FIRM Slope % 0-3	Color DARK BROWN BROWN GRAYISH BROWN GRAY Limiting factor 17" Drainage Class C	Mottling NONE OBSERVED FEW, FINE, & FAINI COMMON, MEDIUM, & DISTINCT ground water restrictive layer bedrock

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Alexander A. Finamore

SOIL PROFILE/CLASSIFICATION INFORMATION					
	Detailed Description of Subsurface Conditions at Project Sites				
Project Name:	Applicant Name:	Project Location (municipality):			
Annie's Way Subdivision	MTR Development, LLC	Windham			

		SOIL DESCRIPTION ANI	D CLASSIFICATION		1		SOIL DESCRIPTION AN	ID CLASSIFICATION	
	Exploration Symbol:	TP-FB3	X Test Pit	Boring		Exploration Symbol:		X Test Pit	Boring
_ 0	Texture	Depth of Organic Horizon Above Consistency	e Mineral Soil Color	Mottling		Texture	Depth of Organic Horizon Above Consistency	Mineral Soil Color	Mottling
1 2	SANDY LOAM	FRIABLE	DARK BROWN	NONE		SANDY LOAM	FRIABLE	DARK BROWN	NONE
3				OBSERVED	3	3 4 SAND		LIGHT GRAY	OBSERVED
5						SANDY LOAM		BROWN	
(Inches)			DARK GRAYISH		(Inches)	SAINDY LOAM		BROWN	
(Inc			BROWN			9			
SURFACE 10 14 14 14 14 15 16 16 16 16 16 16 16					FACE	1		DARK YELLOWISH BROWN	
12 14			DARK YELLOWISH		SURFA			BROWIN	
7/OS			BROWN		7/OS	9			
	LOAMY FINE SAND		BROWN		RAL 8				
11NE						LOAMY SAND		LIGHT YELLOWISH BROWN	
-			GRAY	COMMON, MEDIUM,	N _28	3		BROWN	
DEPTH BELOW MINERAL	FINE SAND			& DISTINCT	BELOW MINE	MEDIUM SAND	LOOSE		
) HTG					HT9 —				
					DE/				
40									
50		LIMIT OF EXC	AVATION = 40"		50		LIMIT OF EXC	AVATION = 40"	
60					60				
0	hydric	Slope %	Limiting factor	ground water	-	hydric	Slope %	Limiting factor	ground water
-	non-hydric		<u>>25"</u>	□ restrictive layer □ bedrock	-	non-hydric		<u>>40"</u>	□ restrictive layer□ bedrock
C.S.S.	Soil Series / phase name:		Drainage Class	Hydrologic Group	C.S.S.	Soil Series / phase name:		Drainage Class	Hydrologic Group
L.S.E.	Soil Classification:	5		———	L.S.E.	Soil Classification:	5	C	———
L.G.L.		Profile SOIL DESCRIPTION ANI	Soil Condition				Profile SOIL DESCRIPTION AN	Soil Condition	
	Exploration Symbol:		Test Pit	Boring		Exploration Symbol:		Test Pit	Boring
	Tandana	" Depth of Organic Horizon Above		Maddin		Tastona	" Depth of Organic Horizon Above		Martilla
1	Texture	Consistency	Color	Mottling		Texture	Consistency	Color	Mottling
3					- 2	3			
4						1			
6					(se	6			
8					(Inches)	В			
9			/		H	9		/	
12					SURFA	1			
16					= 16	6			
20					RAL SC	1			
26			/		Z 22			/	
					WINE -				
30					BELOW	0			
<u> </u>					PTH B				
37					DEP				
40	/				40				
50					50		<u> </u>	I.	
60					60				
	hydric	Slope %	Limiting factor	ground water	_	hydric	Slope %	Limiting factor	□ ground water
•	non-hydric			restrictive layer bedrock		non-hydric			□ restrictive layer □ bedrock
C.S.S.	Soil Series / phase name:		<u> </u>		C.S.S.	Soil Series / phase name:			
	Soil Classification:		Drainage Class	Hydrologic Group		Soil Classification:		Drainage Class	Hydrologic Group
L.S.E.		Profile	Soil Condition		L.S.€.		Profile	Soil Condition	
Profe	essional Endorsemen	ts (as applicable)							
		, , , , , , , , , , , , , , , , , , , ,				ate:	1		
C.S.S.						aic.			
	signature:				Li	c.#:	†		
	name printed/typed:								
					ח	ate:	1		
L.S.E.	aignatura: Oley	2				6/8/18			
	signature:				Li	c.#:	†		
	name printed/typed:	Alexander A.	Finamore			391			



Attachment 3: Proposed Subdivision Plan

