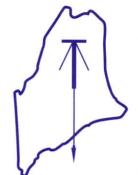


PROFESSIONAL LAND SURVEYING and LAND PLANNING 30 Wood Drive, Gray, Maine 04039



WOOD & co.

WETLANDS DELINEATION Telephone (207) 657-3330 wtwco@securespeed.net

PROJECT NARRATIVE Amended Lot 103 of Dundee Acres Subdivision

Cynthia Croy is requesting an amendment to the Dundee Acres Subdivision in order to divide Lot #103 (8.77 acres) into 3 lots (103, 103-1 & 103-2). Lot #103 is currently accessed by a driveway off from the River Road and has excellent sight distance in both directions. This driveway is intended to be shared with Lot #103-1 to avoid unnecessary wetland impacts. Lot 103-2 will be accessed by a driveway off from the end of Cedar Lane.

Both of the new lots (103-1 & 103-2 will have individual onsite septic systems located in the areas of the respective test pits (1 & 2) as shown on the plan.

We are proposing that Lot #103-2 be served by a water line running from the existing water main on Cedar Lane and that Lot #103-1 be served by a drilled well because of the distance down River Road to install a water service line. We are anticipating that each of the new lots will have about ½ acre of clearing for the development of the driveways, house and yards and any additional surface drainage will naturally flow to the wetlands that already exist on the lots. No surface drainage will flow onto abutting lands.

In the development of Lot #103-1 we would anticipate that approximately about 2426 square feet of existing wetlands will be filled in order to facilitate to new driveway off from the existing driveway. We will incorporated into the deeds for both Lots 103 & 103-1 language for the use and maintenance of the shared portion of the existing driveway. All new utilities will be installed underground to service the new homes.

Sketch Plan - Minor & Major Subdivision

Jumber of lots/dwelling units:	
dumber of fots/dwelling units.	imated road length:
s the total disturbance proposed > 1 acre? Yes	No state that
Contact Information	
. Applicant	
Name: Cindy Cray	
Mailing Address: 796 River Road	Accession of the second
Telephone: 892 - 9853 Fax:	E-mail:
2. Record owner of property	
(Check here if same as applicant)	
Name:	
Mailing Address:	
Telephone: Fax:	Email:
Name: Wayne Wood Company Name: Wayne T. Wood Mailing Address: 30 Wood Dr ~ G	of Co
Maning Address. 30 Wood Dr V G	E mail: 1 Hullong sa
Tolombonos (557-3330) Form 1510	
Telephone: 657-3330 Fax: n/a	L-man. Wi weda secures pe
Telephone: <u>657-3330</u> Fax: <u>n/a</u>	L-mail. Wi weda Jee ar espe
Telephone: <u>657-3330</u> Fax: <u>n/a</u>	L-mail. wi weda see are spe
Telephone: <u>657-3330</u> Fax: <u>n/a-</u> certify all the information in this application form and accompany knowledge.	
certify all the information in this application form and accomp	
certify all the information in this application form and accomp	
certify all the information in this application form and accomp	
Telephone: 657-3330 Fax: n/a. Certify all the information in this application form and accompany knowledge.	
Telephone: 657-3330 Fax: n/a. Certify all the information in this application form and accompany knowledge.	

a.	Complete Sketch Plan Application form	yes	
b.	Project Narrative	/ 3	
	conditions of the site		0.00
	number of lots	100	of the later
	constraints/opportunities of site		
	Outline any of the following studies that will be completed at a future stage:	NA	in mi
	traffic study	NIA	
	utility study	NIA	
	market study	WIA	Section 1
c.	Name, address, phone for record owner and applicant	Ves	all of the
d.	Names and addresses of all consultants working on the project	yes	
e.	Evidence of right, title, or interest in the property	Yes	ALAIS (
f.	Evidence of payment of Sketch Plan fees and escrow deposit		
g.	Any anticipated waiver requests (Section 908)		
	Waivers from Submission Criteria. Will the applicant be requesting waivers from the "Submission information for which a Waiver May be Granted"?		ars Juga
	If yes, submit letter with the waivers being requested, along with reasons for each waiver request.	- 1 - 1	
	Waivers from Subdivision Performance Standards. Will the applicant be requesting waivers from any of the performance and design standards detailed in Section 911 of the Land Use Ordinance?		egalid.
	If yes, submit letter with the waivers being requested, along with a completed "Performance and Design Standards Waiver Request" form.		
h.	Copy of portion of the USGS topographic map of the area, showing the boundaries of the proposed subdivision.		
i.	Copy of that portion of the Cumberland County Medium Intensity Soil Survey covering the proposed subdivision, showing the boundaries of the proposed subdivision.		
	Submit initialed form regarding additional fees, from applicant intro packet		
j.	Plan Requirements		
1	Name of subdivision, north arrow, date and scale	ves	real plant
2	Boundary and lot lines of the subdivision	ves	
3	Approximate location, width, and purpose of easements or restrictions	,	
4	Streets on and adjacent to the tract.	ves	
5	Approximate location and size of existing utilities on and adjacent to the tract, including utility poles and hydrants (if none, so state).	yes	
6	Existing buildings, structures, or other improvements on the site	ves	<
	Major natural features of the site, approximated by the applicant including wetlands, streams and ponds, floodplains, groundwater aquifers, treelines, significant wildlife habitat and fisheries, and any other important features.	1/es	

BK 12066PG 050

40397

WARRANTY DEED
(Maine Statutory Short Form)

Edward C. Croy, of Windham, Maine, for valuable consideration, grants to Cynthia J. Croy, with a mailing address of 41 Forest Road, Windham, Maine, 04062, with Warranty Covenants, the following described real property situated at 41 Forest Road, Windham, Cumberland County, Maine:

A certain lot or parcel of land with the buildings thereon, situated in said Windham, and being more particularly described on Exhibit A attached hereto and made a part hereof.

Meaning and intending to convey the same premises described in a deed from Antonietta M. Croy and Edward C. Croy to Grantor dated February 5, 1993, and recorded in the Cumberland County Registry of Deeds in Book 10568, Page 174. Reference is also made to deed dated September 1, 1977, recorded in Book 4091, Page 88.

STATE OF MAINE
CUMBERLAND, ss

July

Witness my hand this 31st day of ___

SEAL

BK | 2066PG 051

EXHIBIT A

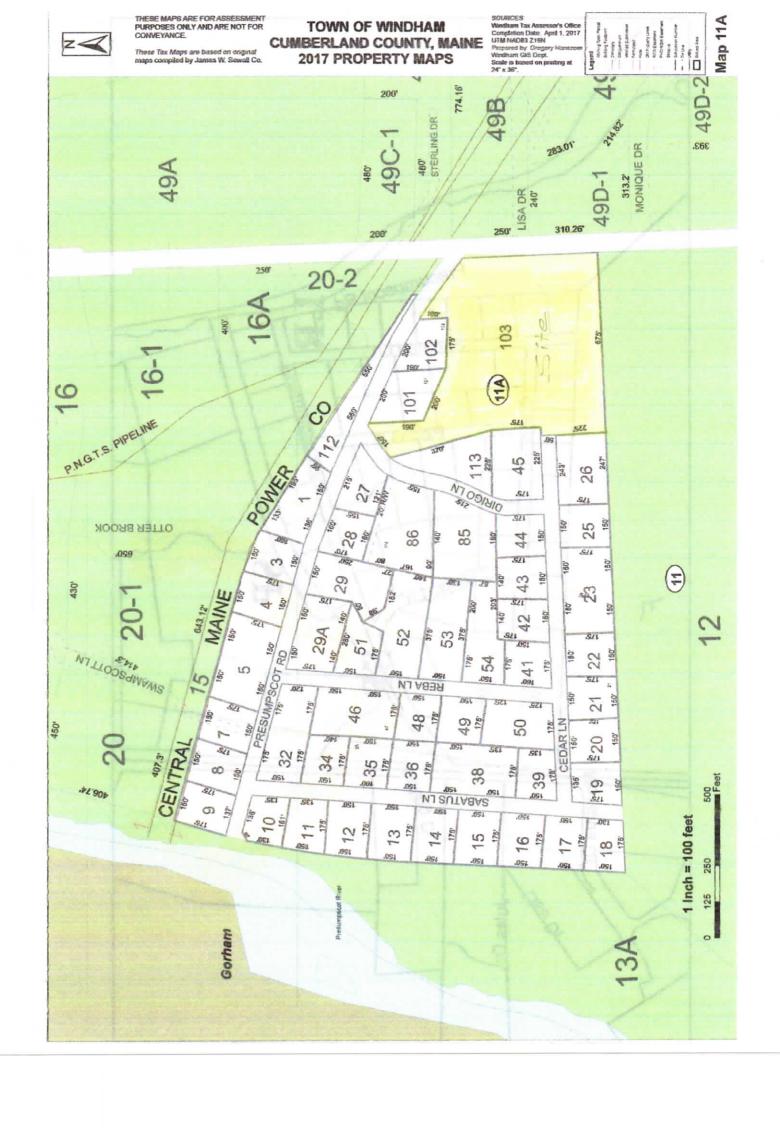
A certain lot or parcel of land together with any buildings or improvements thereon, situated in said Windham and being Lot Numbered One Hundred Three (103) as shown on Plan of Dundee Acres, Town of Windham, by Kenneth M. Hawkes and recorded in the Cumberland County Registry of Deeds, in Plan Book 93, Page 47, 12-4-72, to which reference is made for a more particular description thereof.

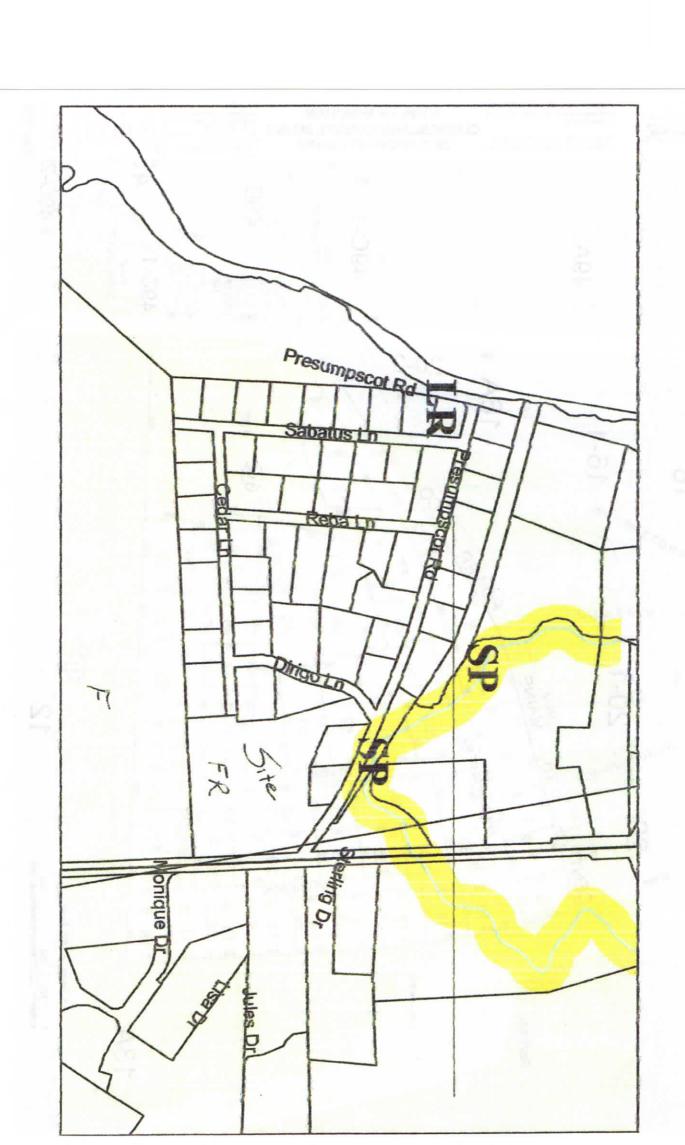
Together with the use of the roadways as shown on said Plan in common with others, insofar as we have the right to convey

Excepting and reserving from this conveyance however, any interest which might otherwise accrue to grantees in and to that parcel of land marked "Recreation Area" on said Plan, being more specifically identified as all and the same premises conveyed by Kenneth M. Hawkes, et al., to Theocore S. Hinott, et al., by deed dated May 24, 1973, and recorded in the said Registry of Deeds, in Book 3401, Page 187. Together with the right to use, in common with others, a right of way as laid out over and across the above described premises conveyed to the Hinotts, and mentioned therein, to and from the remaining portion of the area marked Recreation Area on said Plan.

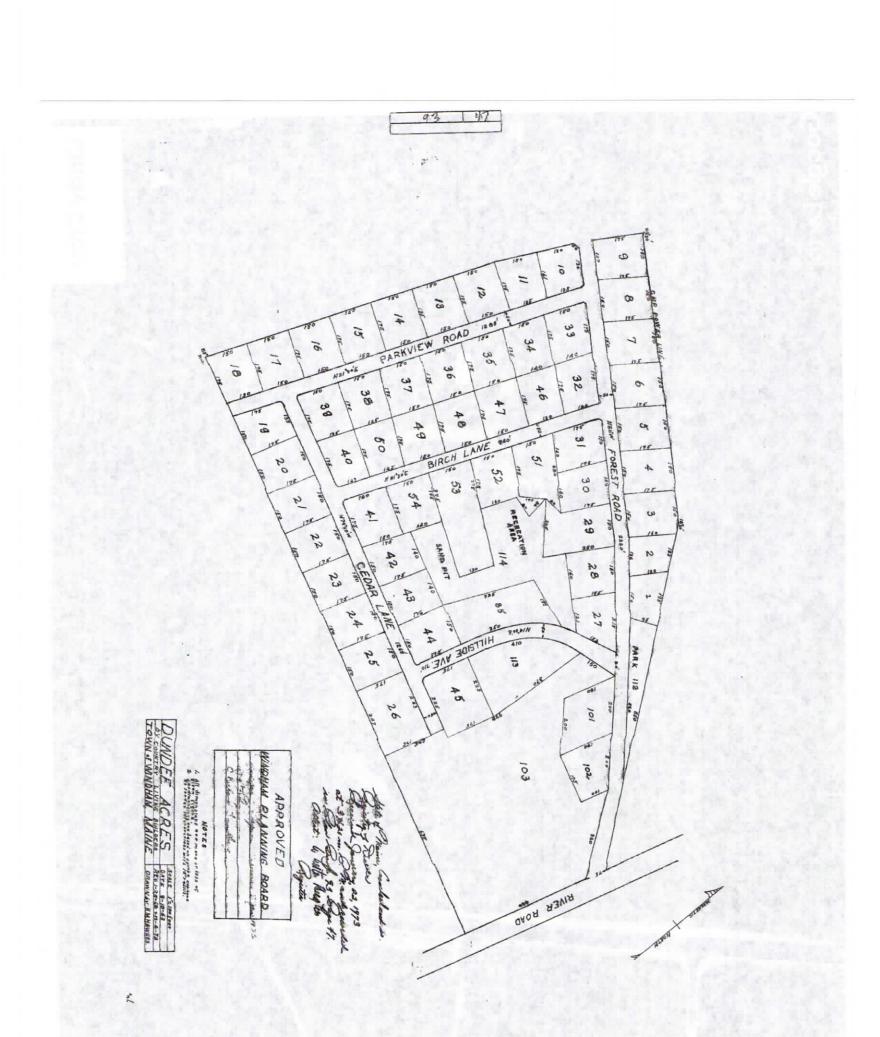
This conveyance is made subject to an easement granted to Central Maine Power Co., and New England Telephone and Telegraph Co., recorded in the said Registry of Deed, in Book 2877, Page 336, insofar as said easement may affect the above premises along the roads.

RECEIVED
RECORDED REGISTRY OF DEEDS?
95 AUG 18 Pil 3: 22
CUMBERLAND COUNTY
John B Other











93 Mill Road • North Yarmouth, Maine 04097 Cell: 207.329,3524 • mark@markcencl.com www.markcencl.com



Wetland Investigation and Soil Report for Wastewater Disposal 796 River Road, Windham

Date: April 25, 2018

To: Cynthia J. Croy

796 River Road Windham, ME 04062

Wetlands Summary:

Palustrine forested, scrub-shrub and emergent wetlands were found on the property. Some of the wetlands are Wetlands of Special Significance.

Soil and Wastewater Summary:

Two suitable areas for onsite wastewater disposal were identified, described and located by GPS. These areas meet all soil and setback requirements.

Dates of Investigation: December 2017 and April 2018.

Location of the Investigation:

The property investigated is located at 796 River Road, Windham and is approximately 8.8 acres in size.

Purposes of the Investigation:

The purposes of the wetland investigation are to identify and describe wetlands on the property according to definitions in the Maine Natural Resources Protection Act (the NRPA) to determine if specific alteration and filling permits are required and if there are any setbacks required under the NRPA, to determine the Maine DEP jurisdictional status

of any streams and to calculate the Net Residential Area of the property for a possible lot division.

The purpose of the soil investigation is to identify, describe and locate suitable areas for wastewater disposal, according to the Maine Subsurface Wastewater Disposal Rules (the *Rules*), to accommodate single family homes on proposed lots.

Methods of the Investigation:

A literature search and on-site investigations were made. The investigations were performed following the guidelines described in the 1987 Corps of Engineers Delineation Manual and the 2009 Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region. This procedure uses a multiple parameter approach that requires the presence of three primary components for an area to be identified as a wetland: 1) hydric soils; 2) predominance of hydrophytic vegetation; and 3) wetland hydrology.

The Amended Lot 103 of Dundee Acres on River Road, Windham, Maine for Cynthia J. Croy by Wayne T. Wood & Co. was used in the field during the investigation.

Wetland/upland boundary features were identified and flagged in the field and were located by a Trimble Geo-XT GPS device, capable of sub meter accuracy.

Soil test pits dug by hand with a shovel and soil probe were done for the on-site wastewater disposal investigation, were flagged in the field and were also located by GPS.

The GPS data was post processed for accuracy and sent to Wayne T. Wood & Co. as an AutoCAD file to be included as a layer on the site plan.

Site Location and Description:

The property is located in a valley between Windham Hill to the west and a smaller knoll east of Dundee Pond. Drainage is northerly to Otter Brook (see Figure 1). There is a small drainage on the property that flows northerly and parallel to River Road, crossing under Presumpscot Road.

The property is depicted as an association of Windsor loamy sand, Belgrade very fine sandy loam, Scantic silt loam and Biddeford mucky peat on the *National Cooperative Soil Survey* (see the attached photomap and descriptions). These are medium to fine textured soils formed from glacio-marine sediments. On-site soil testing for wastewater systems agrees with this mapping.

Results of the Wetlands Investigation:

Forested wetlands are depicted on the property on the *National Wetlands Inventory* (see attached photocopy). Wetlands on the property are more slightly extensive than depicted on the *Inventory*. Not depicted are the wetlands along the stream near River Road.

The wetlands on the property are classified as Palustrine, forested and scrub-shrub, with small, discontinuous areas of emergent wetlands in places. Only the wetlands in the flood plain of the small drainage along River Road are "Wetlands of Special Significance" (WOSS) according to the NRPA. Filling of these wetlands is not allowed but they can be crossed by a driveway to access a house site, with a DEP Permit.

There are also remnant farm ditches on the property that contain standing water. These are not streams and the wetlands along them are not WOSS. There are no required setback buffers of no-disturbance required. These wetlands can be filled and/or disturbed to as much as 4,300 square feet before a DEP Permit is required.

The Net Residential Area calculations allow for at least two new lots to be created.

Results of the Soil and Wastewater Disposal Investigation:

Soil test logs are attached. The tested sites allow for two new lots to be created. The soils at TP-1 are medium to coarse textured, fine-sandy loam and loamy sand. The soils at TP-2 are a fine textured, very fine sandy loam with a silt loam restrictive horizon in the subsoil. Bedrock was not found at either tested site.

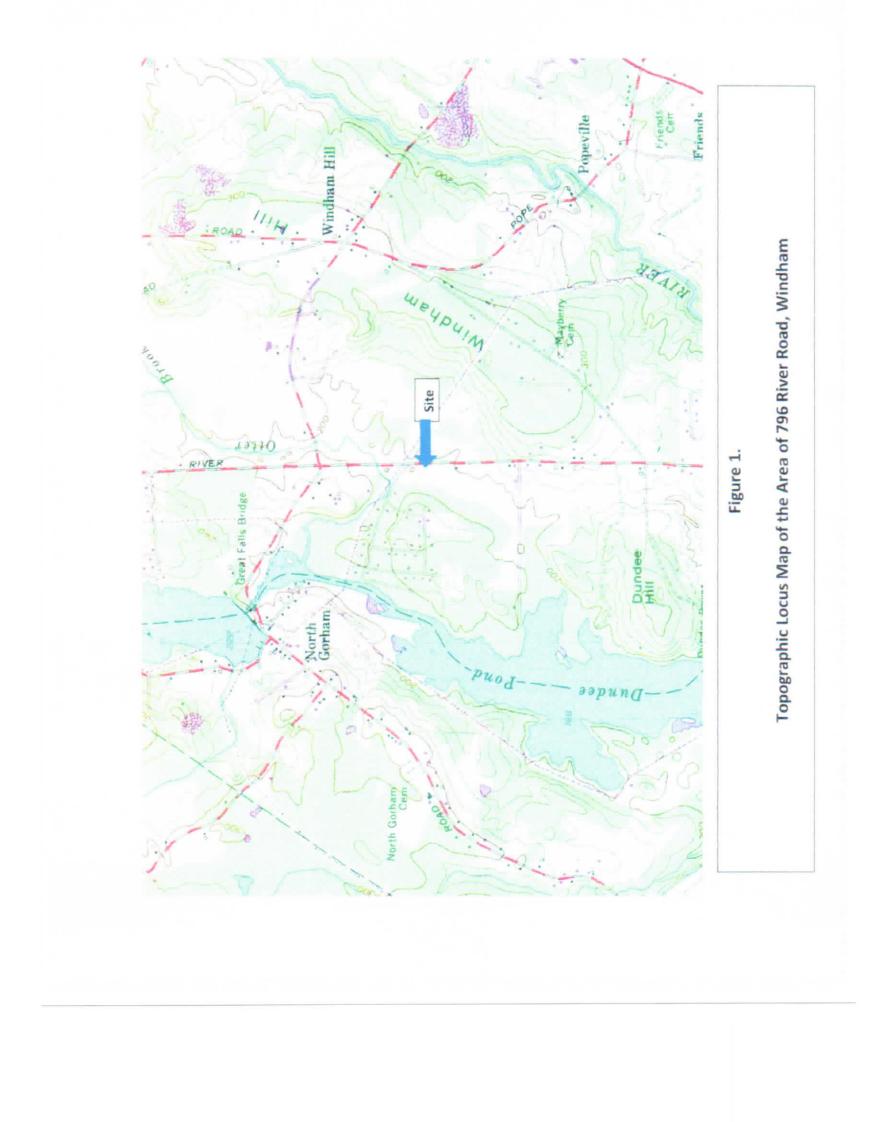
The soil test sites are classified as Medium and Large for wastewater disposal, according to the *Rules* and are classified as 5C and 8D.

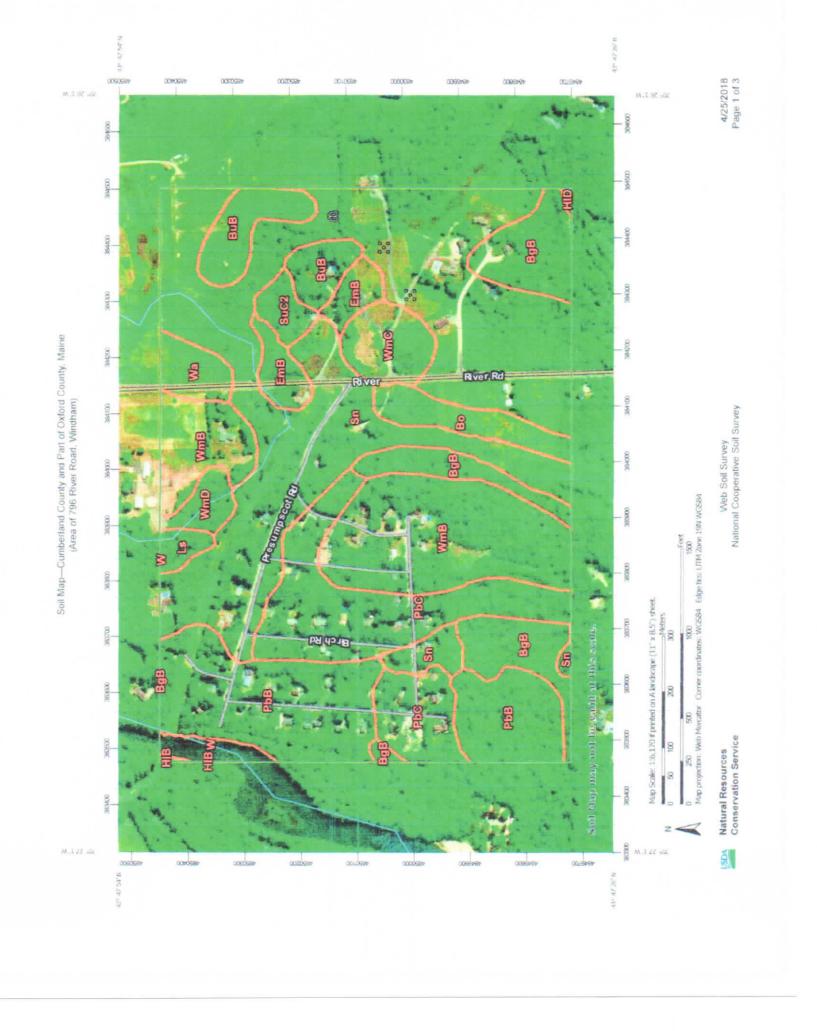
Additional work will be required to design a wastewater disposal system on any tested site.

Mark Cenci

Maine Certified Geologist #467 Maine Licensed Site Evaluator #262

m City Diagnostics	Chart David Cutalists		Division of Health Engin (207) 287-5672 Fax:	
m, City, Plantation WINDHAM	Street, Road, Subdivision	ER ROAD	Owner or Applicant Name	
	SITE PLAN	Scale 1" =		LOCATION PLAN faine Atlas recommend
		CHSTICH HOUTE	(imp nom)	
		HOUFE		
		11		
la l				
		//:	De	
		1	P. VEWY	
			127	
				7
		0		
		TR		
		2		0
				9
OTH				Q
				3
				N
SOIL PROFILE DESCRIP	THE RESERVE OF THE PARTY OF THE		ion of Observation Holes	
	Test Pit Boring	Observation Hole #		
" Depth of organic horizo	on above mineral soil	-	Depth of organic horizon a	bove mineral soil
Texture Consistency	Color Mottling	0 Texture	Consistency Co	lor Mottling
FINE		SANO		
6 CANDY	(FLL9)	ig 6 LOAM	VILLABUE	
12 Loty	Paul	E 12	CRU CE	A Codedis
8 TO LOOSE 8	Raw	II SILT	GRY GE	Ay Conidia
18 TO LOOSE &	Round to	18 Lotal	FIRM GE	Ay Codedis
18 TO LOOSE B		18 State (in the state of the s	FIRM GE	Ay Coules
18 TD LOOSE B	to	m mineral soil surface (in 30 30 30 30 30 30 30 30 30 30 30 30 30	GRY GE	Ay Cohilis
18 TD LOOSE 8	70	18 State (in an internal soil surface (in an internal soil soil surface (in an internal soil soil soil soil soil soil soil soi	FIRM GE	Ay Coulis
18 TD LOOSE 8 24 SAND 8 30 36	to	12 Start Soil surface (in and a soil surface (in a	GRY GE	Ay Collis
18 TB LOOSE 8 24 SAND 8 30 36	to	18 Surface 30 Surface	FIRM GE	Ay Copidia
24 SAND B 30 36 42	to Men Common	48		
18	imiting Factor Groundwater	48		ig Factor
18 TB LOOSE 8 24 SAND 8 30 36 42	imiting Factor Groundwater	48 Soil Clau	ssification Slope Limiti	ig Factor Groundwater





Stony Spot	Very Stany Spot	Wet Spot	er	Special Line Features		Streams and Canals	y2	Interstate Highways	US Routes	Major Roads	Local Roads		Aerial Photography								
	Wen Ven	Wei	Other	Spe	Water Features	Stre	Iransportation Fails		Sn	Maj	Loc	Background	Aen								
Area of Interest (AOI)	Soil Map Unit Polygons	Soil Map Unit Lines	Soil Map Unit Points	Special Point Features	Blowout	Borrow Pit	Clay Spot	Closed Depression	Gravel Pit	Gravelly Spot	Landfill	Lava Flow	Marsh or swamp	Mine or Quarry	Miscellaneous Water	Perennial Water	Rock Outcrop	Saline Spot	Sandy Spot	Severely Eroded Spot	
	Soils			Special	(0)	0	×				0	×	4			0		+		E	

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Cumberland County and Part of Oxford County, Maine Survey Area Data: Version 13, Sep 11, 2017

Date(s) aerial images were photographed. Apr 29, 2012—Jun

26, 2016

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger,

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Slide or Slip Sodic Spot

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

Source of Map. Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)

Please rely on the bar scale on each map sheet for map

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed

The soil surveys that comprise your AOI were mapped at 1.24,000.

Spoil Area

Area of Interest (AOI)

MAP LEGEND

Warning: Soil Map may not be valid at this scale

MAP INFORMATION

Web Soil Survey National Cooperative Soil Survey



4/25/2018 Page 2 of 3

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BgB	Belgrade very fine sandy loam. 0 to 8 percent slopes	15.0	8.1%
Во	Biddeford mucky peat. 0 to 3 percent slopes	4.7	2.5%
BuB	Lamoine silt loam, 3 to 8 percent slopes	7.1	3.8%
EmB	Elmwood fine sandy loam, 0 to 8 percent slopes	4.4	2.4%
HIB	Hinckley loamy sand, 3 to 8 percent slopes	0.1	0.1%
HID	Hinckley loamy sand, 15 to 25 percent slopes	0.1	0.1%
Ls	Limerick-Saco silt loams	1.3	0.7%
РъВ	Paxton fine sandy loam. 3 to 8 percent slopes	24.1	13.0%
PbC	Paxton fine sandy loam. 8 to 15 percent slopes	21.7	11.7%
Sn	Scantic silt loam, 0 to 3 percent slopes	67.9	36.6%
SuC2	Suffield silt loam, 8 to 15 percent slopes, eroded	2.1	1.1%
W	Water	1.8	1.0%
Wa	Walpole fine sandy loam	2.9	1.6%
WmB	Windsor loamy sand, 0 to 8 percent slopes	25.3	13.6%
WmC	Windsor loamy sand, 8 to 15 percent slopes	4.8	2.6%
WmD	Windsor loamy sand, 15 to 35 percent slopes	2.2	1.2%
Totals for Area of Interest		185,6	100.0%





July 30, 2018

Wayne Wood & Co.

Re: 794 River Road, WI

Ability to Serve with PWD Water

Dear Mr. Wood:

The Portland Water District has received your request for an Ability to Serve Determination for the noted site submitted on July 16, 2018. Based on the information provided per plans dated July 30, 2018, we can confirm that the District will be able to serve the proposed project as further described in this letter. Please note that this letter constitutes approval of the water system as currently designed. Any changes affecting the approved water system will require further review and approval by PWD.

Conditions of Service

The following conditions of service apply:

- A new 1.5-inch service may be installed from the water main in Cedar Lane. The service should enter through the properties frontage on Cedar Lane at least 10-feet from any side property lines.
- It is the District's understanding that a single family home is planned at this location. This service is being installed as a speculative service and will require the developer to submit additional information to the District to verify meter sizing prior to service activation. Additional fees will apply.

Prior to construction, the owner or contractor will need to make an appointment to complete a service application form and pay all necessary fees. The appointment shall be requested through MEANS@pwd.org or by calling 207-774-5961 ext. 3199. Please allow (3) business days to process the service application paperwork. PWD will guide the applicant through the new development process during the appointment.

Existing Site Service

According to District records, the project site does not currently have existing water service.

Water System Characteristics

According to District records, there is an 8-inch diameter ductile iron water main in Cedar Lane and a public fire hydrant located approximately 700 feet from the site. Recent flow data is not available in this area. The most recent static pressure reading was 75 psi.

Public Fire Protection

The installation of new public hydrants to be accepted into the District water system will most likely not be required. It is your responsibility to contact the Town of Windham Fire Department to ensure that this project is adequately served by existing and/or proposed hydrants.

Domestic Water Needs

The data noted above indicates there should be adequate pressure and volume of water to serve the domestic water needs of your proposed project.

Private Fire Protection Water Needs

You have indicated that this project will not require water service to provide private fire protection to the site.

Should you disagree with this determination, you may request a review by the District's Internal Review Team. Your request for review must be in writing and state the reason for your disagreement with the determination. The request must be sent to MEANS@PWD.org or mailed to 225 Douglass Street, Portland Maine, 04104 c/o MEANS. The Internal Review Team will undertake review as requested within 2 weeks of receipt of a request for review.

If the District can be of further assistance in this matter, please let us know.

Sincerely, Portland Water District

Robert A. Bartels, P.E. Senior Project Engineer

Bugarans

TOWN OF WINDHAM SUBDIVISION & SITE PLAN APPLICATION

Performance and Design Standards Waiver Request Form

(Section 808 – Site Plan Review, Waivers) (Section 908 – Subdivision Review, Waivers)

For each waiver request from the <u>Performance and Design Standards</u> detailed in Section 811 or Section 911 of the Town of Windham Land Use Ordinance, as applicable, please submit a separate completed copy of this waiver request form.

Dundee Acres Amendment for Lot 103 **Subdivision or Project Name:**

Tax Map: Lot:

Waivers are requested from the following Performance and Design Standards (add rows as necessary):

Ordinance Section	Standard	Mark which waiver this form is for
911 B.1(a)	Water Supply	

a. Describe how a waiver from the standard indicated above will improve the ability of the project to take the property's pre-development natural features into consideration. Natural features include, but are not limited to, topography, location of water bodies, location of unique or valuable natural resources, relation to abutting properties or land uses. Attach a separate sheet if necessary.

By granting the waiver for Lot 103-2 to utilize a drilled well rather than connecting to the public water main would eliminate the need to extend the current water main Southerly along River Road 275' more or less. This extension would disturb a significant portion of the recently rebuilt River Road along this lot.

	(continued next page)
Ordinance Section:	

b. Will the waiver have an impact on any of the following criteria?

	Yes	No
Water or air pollution		X
Light pollution or glare		x
Water supply		x
Soil erosion		X
Traffic congestion or safety	v.	X
Pedestrian safety or access		X
Supply of parking		X
Sewage disposal capacity		X
Solid waste disposal capacity		X
Scenic or natural beauty, aesthetics, historic sites, or rare or irreplaceable natural areas		X
Flooding or drainage issues on abutting properties		X
The Town's ability to provide the subdivision with public safety services (if subdivision)		Х

If granting the waiver will result in an impact on any of the criteria above, please provide more detail below.