
JMM WETLAND CONSULTING SERVICES, LLC

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March 14, 2023

Town of South Windsor
Inland Wetlands Agency/Conservation Commission
1540 Sullivan Avenue
South Windsor, CT 06074

RE: ***SITE REVIEW OF PREVIOUSLY DELINEATED WETLAND***
444 Nutmeg Road North, South Windsor, Connecticut

JMM Job # 22-3133-SWN-4

This letter/report is a follow up to our site visit with Mr. Jeff Folger, Senior Environmental Planner for the Town of South Windsor on January 10th, 2023 to review a previously delineated wetland area located in the northern portion of the site. At the time of the site visit Mr. Folger was in agreement with **JMM Wetland Consulting Services, LLC** (JMM) opinion that the previously delineated area appears to be non-regulated area (i.e., upland); however, JMM would need to document why this areas is not regulated, prior to requesting a wetland boundary amendment.

JMM re-visited the site on February 16th, 2023 to gather information to support that the area in question is not a regulated wetland, based on a careful examination of the soils. Four shallow test pits were dug and the soils described to determine their drainage class, and their regulatory status (see photos 1-2, and test pit logs SP-1 to SP-4, attached).

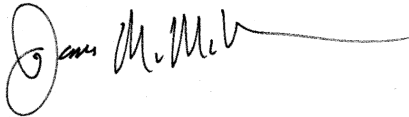
It was determined that the soil matrix chroma within 20-inches, at in each of the shallow pits, was above a chroma 2, which indicates the soil profiles are not a poorly drained soils, and therefore, not a regulated wetland area. As you may recall, in order to meet the criteria of poorly drained and/or very poorly drained regulated soil, the chroma within 20-inches must have a chroma 2 or less and a value of 4 or higher. In our shallow soil test pits, the Munsell soil colors were either 7.5YR 4/3 (brown) or 10YR 5/4 (yellowish brown). All matrix chromas were observed to be above 2 and with the values 4 or greater.

In conclusion, it is JMM's opinion that the area previously flagged as a regulated wetland is not a wetland, but rather a non-regulated, moderately well drained upland area.

Please call us if you have any questions on the above or need further assistance.

Respectfully submitted,

JMM WETLAND CONSULTING SERVICES, LLC

A handwritten signature in black ink, appearing to read 'James M. McManus', with a long horizontal flourish extending to the right.

James M. McManus, MS, CPSS
Certified Professional Soil Scientist (No. 15226)

Attachments: Photos 1-2, Soil Resource Inventory Forms (SP-1 to SP-4)



*Photo 1: View of typical profile within the previously delineated wetland
(JMM photo taken 2/16/2023)*



*Photo 2: View of typical profile within the previously delineated wetland
(JMM photo taken 2/16/2023)*



SOIL RESOURCE INVENTORY FORM

Sampling Point No:	SP-1	Project Name & Location:	444 Nutmeg Road North, South Windsor		
Prepared By:	J. McManus	Prepared For:	Prime Material Recovery		
JMM Job No.:	22-3133-SWN-4	Field Conditions:	Sunny, 50's	Date:	2/16/2023

Physical Location:	Northeastern portion of previously delineated wetland				
Land Features:					
Vegetation:	Forested				
Microtopography:		Slope at Sampling Point:	1-2%	Sampling Method:	Spade and auger
Drainage Class:	MWD	Hydrologic Features:			
Saturation Depth:	N/A	Depth to Groundwater:	N/A	Depth of Inundation:	N/A
Soil Series:		Soil Taxonomy:			

DRAWING OF PROFILE (not to scale)	DEPTH	HORIZON	MATRIX COLOR (Munsell, Moist)	COLOR OF MOTTLES	ABUNDANCE AND CONTRAST	TEXTURE (USDA)	STRUCTURE AND CONSISTENCE	% COARSE FRAGMENTS	ROOTS & ORGANIC MATTER
	0-2	Oi,e	black	N/A	N/A	N/A	N/A	N/A	100%
	2-14	Ap	10YR 2/1	N/A	N/A	FSL	granular/very friable	< 1%	moderate/moderate
	14-20	Bw	7.5YR 4/3	5YR 4/4	common/faint	SL	SBK/Friable	<1%	moderate/low

Remarks:



SOIL RESOURCE INVENTORY FORM

Sampling Point No:	SP-2	Project Name & Location:	444 Nutmeg Road North, South Windsor		
Prepared By:	J. McManus	Prepared For:	Prime Material Recovery		
JMM Job No.:	22-3133-SWN-4	Field Conditions:	Sunny, 50's	Date:	2/16/2023

Physical Location:	Northeastern portion of previously delineated wetland				
Land Features:					
Vegetation:	Forested				
Microtopography:		Slope at Sampling Point:	1-2%	Sampling Method:	Spade and auger
Drainage Class:	MWD	Hydrologic Features:			
Saturation Depth:	N/A	Depth to Groundwater:	N/A	Depth of Inundation:	N/A
Soil Series:		Soil Taxonomy:			

DRAWING OF PROFILE (not to scale)	DEPTH	HORIZON	MATRIX COLOR (Munsell, Moist)	COLOR OF MOTTLES	ABUNDANCE AND CONTRAST	TEXTURE (USDA)	STRUCTURE AND CONSISTENCE	% COARSE FRAGMENTS	ROOTS & ORGANIC MATTER
	0-2	Oi,e	black	N/A	N/A	N/A	N/A	N/A	100%
	2-15	Ap	10YR 2/1	N/A	N/A	FSL	granular/very friable	< 1%	moderate/moderate
	15-20	Bw	10YR 5/4	7.5 YR 4/4	common/faint	SL	SBK/Friable	<1%	moderate/low

Remarks:



SOIL RESOURCE INVENTORY FORM

Sampling Point No:	SP-3	Project Name & Location:	444 Nutmeg Road North, South Windsor		
Prepared By:	J. McManus	Prepared For:	Prime Material Recovery		
JMM Job No.:	22-3133-SWN-4	Field Conditions:	Sunny, 50's	Date:	2/16/2023

Physical Location:	Northwestern portion of previously delineated wetland				
Land Features:					
Vegetation:	Forested				
Microtopography:		Slope at Sampling Point:	1-2%	Sampling Method:	Spade and auger
Drainage Class:	MWD	Hydrologic Features:			
Saturation Depth:	N/A	Depth to Groundwater:	N/A	Depth of Inundation:	N/A
Soil Series:		Soil Taxonomy:			

DRAWING OF PROFILE (not to scale)	DEPTH	HORIZON	MATRIX COLOR (Munsell, Moist)	COLOR OF MOTTLES	ABUNDANCE AND CONTRAST	TEXTURE (USDA)	STRUCTURE AND CONSISTENCE	% COARSE FRAGMENTS	ROOTS & ORGANIC MATTER
	0-2	Oi,e	black	N/A	N/A	N/A	N/A	N/A	100%
	2-14	Ap	10YR 2/1	N/A	N/A	FSL	granular/very friable	< 1%	moderate/moderate
	14-20	Bw	10YR 5/4	7.5 YR 4/4	common/faint	SL	SBK/Friable	<1%	moderate/low

Remarks:



SOIL RESOURCE INVENTORY FORM

Sampling Point No:	SP-4	Project Name & Location:	444 Nutmeg Road North, South Windsor		
Prepared By:	J. McManus	Prepared For:	Prime Material Recovery		
JMM Job No.:	22-3133-SWN-4	Field Conditions:	Sunny, 50's	Date:	2/16/2023

Physical Location:	Northwestern portion of previously delineated wetland				
Land Features:					
Vegetation:	Forested				
Microtopography:		Slope at Sampling Point:	1-2%	Sampling Method:	Spade and auger
Drainage Class:	MWD	Hydrologic Features:			
Saturation Depth:	N/A	Depth to Groundwater:	N/A	Depth of Inundation:	N/A
Soil Series:		Soil Taxonomy:			

DRAWING OF PROFILE (not to scale)	DEPTH	HORIZON	MATRIX COLOR (Munsell, Moist)	COLOR OF MOTTLES	ABUNDANCE AND CONTRAST	TEXTURE (USDA)	STRUCTURE AND CONSISTENCE	% COARSE FRAGMENTS	ROOTS & ORGANIC MATTER
	0-2	Oi,e	black	N/A	N/A	N/A	N/A	N/A	100%
	2-16	Ap	10YR 3/1	N/A	N/A	SL	granular/very friable	< 1%	moderate/moderate
	16-20	Bw	10YR 5/4	7.5 YR 4/4	few/faint	SL	SBK/Friable	<1%	moderate/low

Remarks: