



JOSEPH R. THEROUX

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FORESTRY SERVICES ~ ENVIRONMENTAL IMPACT ASSESSMENTS
WETLAND DELINEATIONS AND PERMITTING ~ E&S/SITE MONITORING
WETLAND FUNCTION AND VALUE ASSESSMENTS

12/6/2023

349 MAPLE AVENUE LLC.
410 MAPLE AVE.
P.O. BOX 162
MONTVILLE, CT. 06382

RE: WETLAND DELINEATION, 375 MAPLE AVENUE, MONTVILLE, CT.

DEAR MR. PIENIADZ,

AT YOUR REQUEST I HAVE DELINEATED THE INLAND WETLANDS AND WATERCOURSE ON THE ABOVE REFERENCED PROPERTY.

THESE WETLANDS HAVE BEEN DELINEATED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL COOPERATIVE SOIL SURVEY AND THE DEFINITIONS OF WETLANDS AS FOUND IN THE CONNECTICUT STATUTES, CHAPTER 440, SECTIONS 22A-38.

FLUORESCENT PINK FLAGS WITH A CORRESPONDING LOCATION NUMBER DELINEATE THE BOUNDARY BETWEEN THE UPLAND SOILS AND THE INLAND WETLANDS AND WATERCOURSE THAT WERE FOUND.

FLAG NUMBERS WF-1 THROUGH WF-17 DELINEATE THE HIGH-WATER MARK OF ROCKLAND POND AND ADJACENT SCRUB-SHRUB/FORESTED WETLANDS.

IT SHOULD BE NOTED THAT SIGNIFICANT QUANTITIES OF HISTORIC FILL MATERIALS WERE FOUND ALONG THE DELINEATED WETLAND BOUNDARY AND ADJACENT UPLANDS.

THESE WETLAND SOILS HAVE FORMED FROM THE PROLONGED WETNESS FROM THE HIGH SEASONAL WATER TABLES AND GROUND WATER BREAKOUT. THEY ARE CHARACTERIZED BY ORGANIC TOPSOIL HORIZONS, SHALLOW REDOXIMORPHIC FEATURES AND LOW CHROMA COLORS WITHIN 20 INCHES OF THE SOIL SURFACE.

A POTENTIAL WATERCOURSE THAT ORIGINATES FROM THE STORMWATER DRAINAGE SYSTEM ASSOCIATED WITH MAPLE AVENUE AND SHARP HILL ROAD, FLOWS FROM A CULVERT PIPE TO THE NORTHEAST ON/ALONG THE SEWER EASEMENT AND OFF THE SUBJECT PARCEL ONTO THE RAND WHITNEY PROPERTY.

THIS WATERCOURSE WAS INVESTIGATED TO DETERMINE IF IT MET THE DEFINITION OF A WATERCOURSE AS DEFINED UNDER SECTION 22A-38 OF THE CONNECTICUT STATE STATUTES.

TO MEET THE DEFINITION OF A WATERCOURSE, THE AREA IN QUESTION MUST HAVE A DEFINED PERMANENT CHANNEL AND BANK AND THE OCCURRENCE OF TWO OR MORE OF THE FOLLOWING CHARACTERISTICS:

1. EVIDENCE OF SCOUR OR DEPOSITS OF RECENT ALLUVIUM OR DETRITUS;
2. THE PRESENCE OF STANDING OR FLOWING WATER FOR A DURATION LONGER THAN A PARTICULAR STORM INCIDENT; AND,
3. THE PRESENCE OF HYDROPHYTIC VEGETATION.

MY FINDING WAS THAT IT DID MEET THE DEFINITION BECAUSE IT HAS A DEFINED PERMANENT CHANNEL AND BANK, IT EXHIBITED EVIDENCE OF SCOUR AND DEPOSITS OF RECENT ALLUVIUM OR DETRITUS, AND LASTLY, THE PRESENCE OF STANDING OR FLOWING WATER FOR A DURATION LONGER THAN A PARTICULAR STORM INCIDENT WAS CONFIRMED.

THE LAST QUALIFIER WAS DETERMINED AFTER A 10+ HOUR RAIN EVENT THAT OCCURRED ON 11/21/2023. THIS WAS A +/- ONE INCH RAIN EVENT. UPON INSPECTING THE SITE ON 11/22/2023, THE WATERCOURSE WAS FLOWING, AND ON THE DATE OF THE DELINEATION, (11/28/2023), IT WAS STILL FLOWING.

NO HYDROPHYTIC VEGETATION WAS FOUND IN THE WATERCOURSE.

FLAG NUMBERS WF-1A THROUGH WF-32A AND WF-1B THROUGH WF-29B DELINEATE THE BOUNDARY OF AN INTERMITTENT WATERCOURSE THAT FLOWS FROM THE STORM DRAINAGE SYSTEM ASSOCIATED WITH MAPLE AVENUE AND SHARP HILL ROAD.

IN CONCLUSION, IF YOU HAVE ANY QUESTIONS CONCERNING THE DELINEATION OR THIS REPORT, PLEASE FEEL FREE TO CONTACT ME.

THANK YOU,

Joseph R. Theroux

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MEMBER SSSSNE, NSCSS, SSSA.