



SUBJECT SITE:	269 Millstone Road Wilton, CT, 06897
CLIENT:	Steven Lorig (959)-333-9551 SLorig@CSA.Canon.com
INSPECTION DATE:	June 15, 2020
BIG EAST PROJECT #:	20222

Introduction

Big East Environmental, LLC was contracted to delineate areas of imported fill within a regulated area for a violation occurring at *269 Millstone Road, Wilton, CT* (site). This violation resulted from unauthorized site work in a regulated area. This includes fill material being deposited within the 100-foot watercourse buffer area.

Mr. Steven Lorig, site owner, was contacted by the Wilton Inland Wetlands Commission (IWC). He was notified of these violations and ordered to cease and desist all site activity on April 3, 2020. The order cites town staff observing fill material being deposited within 100 feet of a wetland/watercourse. All site activity thus far has been halted and Mr. Lorig currently awaits further instruction. Big East Environmental, LLC conducted a delineation of the impacted areas which had been deemed by the Wilton IWC to be impacted based on April, 2020 site photos.

Methods

Steve DiNapoli and Joseph Scapoli of Big East Environmental, LLC arrived on site on June 15, 2020 to conduct a site walkthrough in regards to the impacted wetlands. The fill area delineation was determined by taking soil core samples of the top 24" around the boundaries of each area marked on the June 2020 "DISTURBED LAND IN THE REGULATED AREA" site map provided by the Wilton IWC. Soil core profiles which did not have a distinct organic horizon at the surface was considered "fill" material. This material typically had higher sand & gravel content, very little organic matter, and newly germinated grass. The native topsoil areas (non-fill) consisted of well-established grass, a significant organic horizon, and little to no sand & gravel. Soil cores were plotted on a field map and measurements were collected to establish accurate quantities of disturbed regulated area. Dimensions of disturbed regulated areas were used to calculate square footage then compared to the Wilton Inland Wetland Commission derived areas.



Results

Table I: Disturbed Land Area Calculations

Disturbed Land ID	Dimensions	Area (SF)
A1 (Trapezoid)	5' x 10' x 15'(h)	(100+600+1800) 2500
A2 (Trapezoid)	15' x 25' x 30'(h)	
A3	60' x 30'	
B	60' x 10'	600
C	58' x 10'	580
D	40' x 10'	400
E	45' x 10'	450
F	30' x 50'	1500
G1	20' x 50'	(1000 + 750) 1750
G2	25' x 30'	
TOTAL	-	7,780 SF

*please see attached site map

Conclusions

Big East Environmental has calculated a total of 7,780 square feet of disturbed area within the regulated area.

Please feel free to contact this office with any questions.

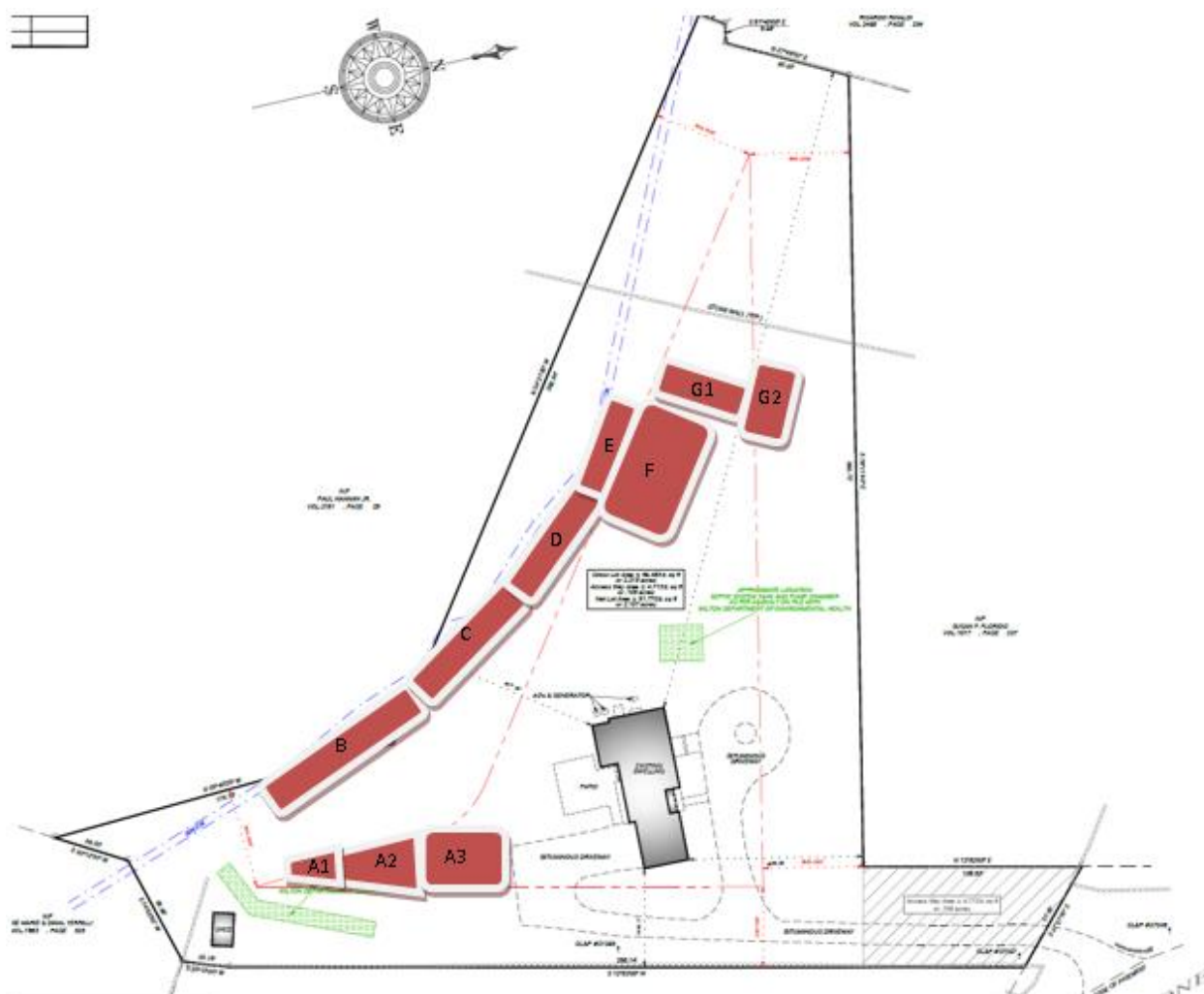
Sincerely,

Joseph Scapoli, CMI
Project Manager

Reviewed,

Stephen E. DiNapoli, LEED AP
Senior Director

SITE DELINEATION MAP



SITE PHOTOGRAPHS



CORE OF FILL



CORE OF NATIVE SOIL



CORE OF FILL



CORE OF NATIVE SOIL



CORE OF FILL



CORE OF NATIVE SOIL



June 22, 2020

Mr. Steve Lorig
269 Millstone Road
Wilton, CT
959.333.9551

Re: Determination of Significant Regulated Activity

Big East Environmental reviewed available documentation and assessed field conditions at the Subject Site in an effort to evaluate the applicability of "Significant Regulated Activity" as per the Inland Wetlands and Watercourses Regulations for the Town of Wilton, Connecticut, section 2, part Z, no. 3 a-g.

"Significant Regulated Activity" means any activity including, but not limited to, the following activities, which may have a substantial effect on any regulated area."

- a) Any activity involving a deposition or removal of material which will or may have a substantial effect on any regulated area, inland wetland or watercourse. Any activity involving more than 100 cy will be considered a Significant Regulated Activity. In cases where excavation is proposed for the purpose of constructing a foundation, the applicant shall only consider 50% of the excavated volume for portions of the foundation more than 25 feet from a wetland and/or 50 feet from a watercourse; or*

According to client supplied information the total amount of imported fill was 80 cubic yards.

- b) Any activity which substantially changes the natural channel or may inhibit the natural dynamics of a watercourse system; or*

Big East found no evidence through aerial photograph review and site inspections, that the watercourse channel was substantially changed or the natural dynamics of the system were inhibited.

- c) Any activity which substantially diminishes the natural capacity of an inland wetland, watercourse, or regulated area to provide flood control, to support desirable fisheries, wildlife, or other biological life; or to supply water, assimilate waste, facilitate drainage, provide recreation or open space; or to perform other functions; or*

Although fill was brought in right alongside the watercourse edge, it did not appear that the capacity of the watercourse was diminished. The watercourse does not support fish. The watercourse does act as a drainage way from upstream wetland areas, but field evidence found that this function has not been impacted.



- d) Any activity which causes substantial turbidity, siltation or sedimentation, and or thermal pollution in a wetland, watercourse or regulated area; or*

Silt fencing was in place during the filling process within the regulated area. Field evidence found runoff of the imported fill had occurred but that the silt fencing performed its role in capturing a majority of the sediment, preventing it from entering the watercourse. The water within the course was very low at the time of the field inspection but it did not appear excessively turbid or cloudy.

- e) Any activity which causes a substantial change of flow of a natural watercourse or the groundwater levels of the regulated area; or*

It was not apparent to Big East that any substantial change of flow to the watercourse or groundwater levels in the regulated area had occurred.

- f) Any activity which causes or has the potential to cause pollution of a wetland, watercourse or regulated area; or*

Big East did not identify any evidence that pollution to the watercourse had occurred. Reviewed documents show that 80 CY of fill were brought to the Subject Site however, no soil contaminant analysis reports were available for review.

- g) Any activity which destroys unique wetlands, watercourses, or regulated areas having demonstrable scientific or educational value.*

Big East's review found no evidence of any destroyed wetlands, watercourses or regulated areas.

Sincerely,

Stephen E. DiNapoli, LEED AP, CMC
Environmental Professional