

CARTER ASSOCIATES, INC.
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October 6, 2020

Mr. Andy Sobczak
Environmental Planning and Code Enforcement
Indian River County
1801 27th Street
Vero Beach, Florida 32960

**RE: Environmental Learning Center (ELC)
Education and Event Pavilion
IRC Project #91090031
Application #86404
SWMS Type 'B' Permit**

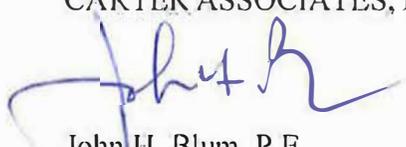
Dear Mr. Sobczak,

Per Indian River County Ordinance 930.07(2)(i)(1)(a), we hereby request that the Board of County Commissioners grant a waiver from cut and fill provisions of this chapter. As the project is located in the area of the Indian River Lagoon and is situated an estuarine environment, the impact upon the displacement of flood waters is expected to be negligible. Fill calculations within the floodplain are shown on the following page. The development project will meet all other requirements of the stormwater management and flood protection chapter and will not create a material adverse impact on flood protection on other lands in the estuarine environment.

Your attention to this matter is appreciated. Should you have any questions, or require additional information, please do not hesitate to call.

Sincerely,

CARTER ASSOCIATES, INC.



John H. Blum, P.E.
Principal

cc: Ms. Barbara Ford & Mr. Timothy Buhl, ELC

**ENVIRONMENTAL LEARNING CENTER - PAVILION
255 LIVE OAK DRIVE
FLOODPLAIN FILL CALCULATIONS**

100 YEAR FLOOD ZONE (Per FEMA Map 12061C0118H)	El. 7.00
10 YEAR ELEVATION (Per FEMA Flood Insurance Study)	El. 3.40
AVERAGE EXISTING GROUND ELEVATION	El. 3.06
TOTAL FILL VOLUME Site fill volume below 10 year flood elevation (3.4) and above existing ground elevation.	9,923 C.F. (367.5 C.Y.)

Area	=	29,185 square feet
Depth of fill	=	0.34 feet
Total Fill Volume	=	9,923 cubic feet
Cubic Yards of Fill	=	367.5 cubic yards

John H. Blum
10/16/20

