



MANATEE COUNTY FLORIDA

MANATEE COUNTY, FLORIDA OBSTRUCTION IN A VELOCITY ZONE ENGINEER'S CERTIFICATION

I, a Florida Registered Professional Engineer, hereby certify that I have thoroughly analyzed and reviewed the site and the attached request for the placement of obstruction material within a velocity zone on a parcel of property located at:

and that to the best of my knowledge and belief, the following statements are true and correct:

1. The proposed obstructions of their foundations are not attached to any other velocity zone structures or foundations.
2. The proposed obstructions are not directly beneath any velocity zone buildings.
3. The proposed obstructions will not cause any adverse effects on nearby buildings or other structures, including foundations, due to ramping, deflection or erosion by velocity waters.
4. The proposed obstructions will not cause any adverse effects on nearby buildings or other structures due to increased wave or debris impact forces.
5. The proposed obstructions meet "Technical Bulletin 5" as issued by the Federal Emergency Management Agency.

Signature and Seal

Printed Name

Florida Registration #

Date

Building & Development Services Department
Mailing Address: P. O. Box 1000 Street Address: 1112 Manatee Avenue West, Bradenton, FL 34206-1000
WEB: www.myanatee.org * PHONE: 941.749.3047 * FAX: 941.749.3098

**MANATEE COUNTY, FLORIDA
OBSTRUCTION IN A VELOCITY ZONE
APPLICATION WORKSHEET
(TO BE SUBMITTED WITH THE REQUEST)**

Property Owner: _____ Sec. ____ Twp. ____ Rge. _____
 Property Address: _____ FEMA Map Panel No. _____
 _____ FEMA Zone Designation(s): _____

I. AREA INFORMATION:

	<u>TOTAL:</u>	<u>WITHIN V-ZONE:</u>
1. Pool area:	_____ (sq. ft.)	_____ (sq. ft.)
2. Spa area:	_____ (sq. ft.)	_____ (sq. ft.)
3. Deck area:	_____ (sq. ft.)	_____ (sq. ft.)
4. Area of other obstruction(s):		
5. (describe)_____	_____ (sq. ft.)	_____ (sq. ft.)
6. _____	_____ (sq. ft.)	_____ (sq. ft.)
7. _____	_____ (sq. ft.)	_____ (sq. ft.)
8. _____	_____ (sq. ft.)	_____ (sq. ft.)
9. TOTAL (lines 1 thru 8)	_____ (sq. ft.)	_____ (sq. ft.)
10. Property area	_____ (sq. ft.)	_____ (sq. ft.)
11. Obstruction area ratio (line 9 / line10)	_____	*
12. Erodeable obstruction area	_____ (sq. ft.)	_____ (sq.ft.)
13. Erodeable area ratio (line 12 divided by line 9)	_____	**

* must be less than 0.12

** must be greater than 0.67

II. VOLUME INFORMATION:

14. Average deck thickness:	_____ (ft.)	_____ (ft.)
15. Deck Volume(line 3 X line 14):	_____ (cu. ft.)	_____ (cu. ft.)
16. Pool Water Volume:	_____ (cu. ft.)	_____ (cu. ft.)
17. Volume of fill:	_____ (cu. ft.)	_____ (cu. ft.)
18. Vol. of other obstruction(s):		
19. (describe)_____	_____ (cu. ft.)	_____ (cu. ft.)
20. _____	_____ (cu. ft.)	_____ (cu. ft.)
21. _____	_____ (cu. ft.)	_____ (cu. ft.)
22. _____	_____ (cu. ft.)	_____ (cu. ft.)
23. TOTAL (lines 14 thru 22)	_____ (cu. ft.)	_____ (cu. ft.)
24. TOTAL (yd ³) (line 23 / 27)	_____ (cu. yd.)	_____ (cu. yd.)***
25. Erodeable volume (yd ³)	_____ (cu. yd)	_____ (cu. yd.)
26. Erodeable volume ratio (line 25 divided by line 24)	_____	****

*** must be less than 100 cu. yds

**** must be greater than 0.67

III. HEIGHT INFORMATION:

27. Max. height of fill (incl. slab, pavers, etc.) above "historic grade" _____ (ft.) _____ (ft.)***

*** must be less than 1.5 ft.

IV. STRUCTURE INFORMATION:

28. Are all buildings within 100' of the proposed obstruction(s) built to velocity zone elevation and foundation standards? YES NO

29. Do all fences and privacy walls meet "breakaway" criteria? YES NO

V. CERTIFICATION:

26. To the best of my knowledge and belief, the above information is true, correct and accurately represents the proposed obstructions.

Signature and Seal

Printed Name

Florida Registration # Date