



**CITY OF NEW BEDFORD**  
**Jonathan F. Mitchell, Mayor**

**Department of Public Infrastructure**

**Jamie Ponte**  
**Commissioner**

**Water**  
**Wastewater**  
**Highways**  
**Engineering**  
**Cemeteries**  
**Park Maintenance**  
**Forestry**  
**Energy**

**East Beach Sand Grain Particle Distribution Information:**

The particle grain size distribution should be as close a match to the onsite samples as possible. The information in appendix "A" was generated taking the average of all the samples above the project Mean High Water Chapter 91 Line, these numbers were then put into a format to match a percent passing graph. Table 1 displays the same information presented in a table format. The City recognizes that it would be incredibly difficult and expensive to match the sand distribution exactly, and even an exact match would vary from one portion of the beach to another so a certain tolerance will be allowed on each sieve #4, #10, #20, #40, #60, #100, and #200. The color of the nourishment sand should be a close match if possible to the native sand in New Bedford.

**Table 1. Percent Passing**

<b>Sieve #</b>	<b>% Passing</b>	<b>Allowable Tolerance</b>	<b>%Passing Allowable Minimum</b>	<b>%Passing Allowable Maximum</b>
#4	100	0	0	0
#10	94.76	± 2%	93	96
#20	78.21	± 10%	71	86
#40	50.81	± 13%	44	57
#60	23.77	± 11%	21	26
#100	6.2	± 30%	4	8
#200	2.4	± 41%	1.5	3.5