

NOTES:

- 1. HYDROGRAPHIC SURVEY PERFORMED BY RACE COASTAL ENGINEERING, LLC (RACE) ON APRIL 8, 2020. 2. IN-WATER DEPTHS RECORDED WITH AN ODOM ECHOTRAC CV-100 ECHO SOUNDER AND 200kHZ 8° TRANSDUCER. 3. HORIZONTAL POSITIONING AND REAL TIME TIDE READINGS WERE RECORDED USING A TOPCON HIPER RTK BASE ROVER SYSTEM. 4. DATA PROCESSED WITH HYPACK SOFTWARE. SOUNDINGS SORTED WITH HYPACK CROSS-SORT UTILITY. 5. SUPPLEMENTAL INFORMATION TAKEN BY RACE ON DECEMBER 14,2022 ULTIZING TRIMBLE RTK SPS986 GPS UNITS. 6. COORDINATES REFER TO CONNECTICUT STATE PLANE COORDINATE SYSTEM NAD 1983, U.S. SURVEY FEET. 7. BENCHMARK DATA: VERTICAL CONTROL IS TOWN OF WESTPORT BM #398. THE BENCHMARK IS A DRILL HOLE SET IN A ROCK ON THE SOUTH SIDE OF BLUFF POINT. ELEVATION: 10.10' (NAVD 88) 8. THE NAVD 88 TO MLW CONVERSION FOR THE PROJECT HAS BEEN TAKEN AS 3.66' PER NOAA STATION ID: 8468191 -SAUGATUCK RIVER. NAVD 88 IS LOCATED ABOVE MLW THEREFORE THE CONVERSION SHOULD BE ADDED TO NAVD 88 TO CONVERT TO MLW.
- 9. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED, AND CAN ONLY BE CONSIDERED AS INDICATING CONDITIONS EXISTING AT THAT TIME.
- 10. AERIAL PHOTOGRAPH TAKEN FROM THE CT ECCO VIEWER ONLINE DATABASE. THE PHOTO HAS A FLYOVER DATE OF MARCH 2016.
- 11. VOLUME COMPUTATION PERFORMED USING CARLSON 2022 SOFTWARE.
- 12. CONTOURS IN THE VERTICAL DATUM OF MEAN LOW WATER.

DREDGE QUANTITIES

DREDGE AREA (SF)	BASE DREDGE VOLUME (CY)	1' OVERDEPTH VOLUME (CY)	BASE + 1' OVERDEPTH VOLUME (CY)
6900	575	300	875

BASE DREDGE TO -8.0' MLW

REV	DATE		DESCRIPT	ΓΙΟΝ
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epared to

ss Road Stratford, CT 06615 Tel.: 203-377-0663 racecoastal.com

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CEDAR POINT YACHT CLUB 1 BLUFF POINT WESTPORT, CT 06880

SAND RELOCATION 1 BLUFF POINT WESTPORT, CT 06880

DREDGE PLAN

CB HN CF Job No. awing No. 2022118 02/09/202 NOT VALID WITHOUT ENGINEER'S S



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GRAIN SIZE DISTRIBUTION

CLIENT:	RACE Coastal Engineering	DATE:	12/20/2022			
		PROJECT NO.:	22-202			
Project:	Cedar Point Yacht Club	LAB ID #:	7909 ~ 7914			
Method:	C136 - Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates					
	C117 - Standard Test Method for Materials Finer than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing					
	D422 - Standard Test Method for Particle-Size Analysis of Soils					
Remarks:						
LAB TECHNI	CIAN: Jesus Fanas					















Figure 1: Area of proposed dredging



Figure 2: Aerial photo of proposed disposal site



Figure 3: Accreted sediment under dock and gangway



Figure 4: East Beach looking southwest



Figure 5: East Beach looking southeast



Figure 6: Tidal vegetaion on east beach