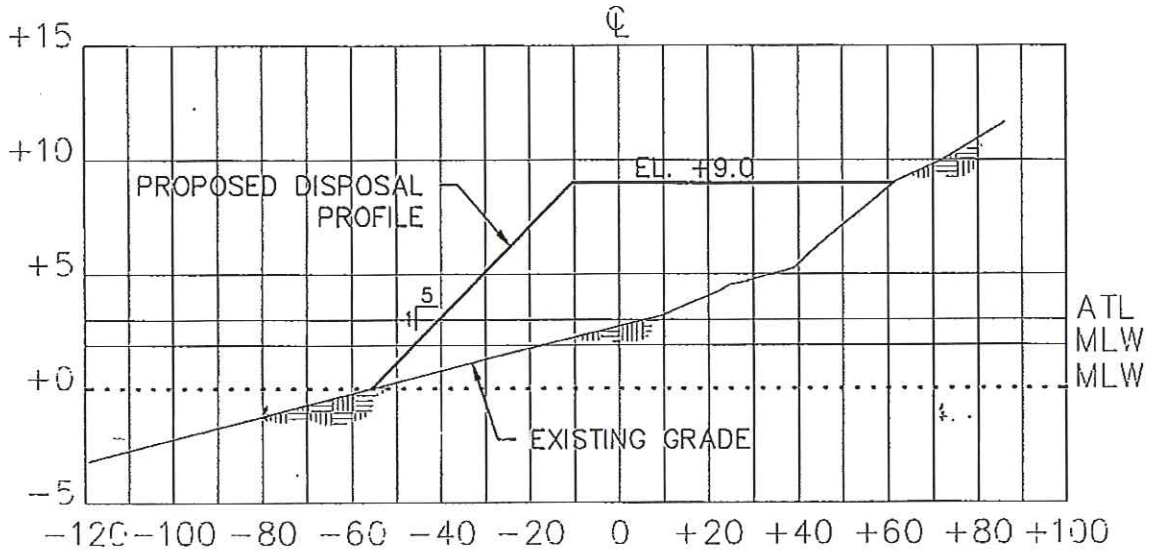


CROSS SECTION – STA. 2+00

HORIZ. SCALE: 1" = 40'-0"
VERT. SCALE: 1" = 8'-0"

0 40 80

SCALE: 1" = 40'-0"

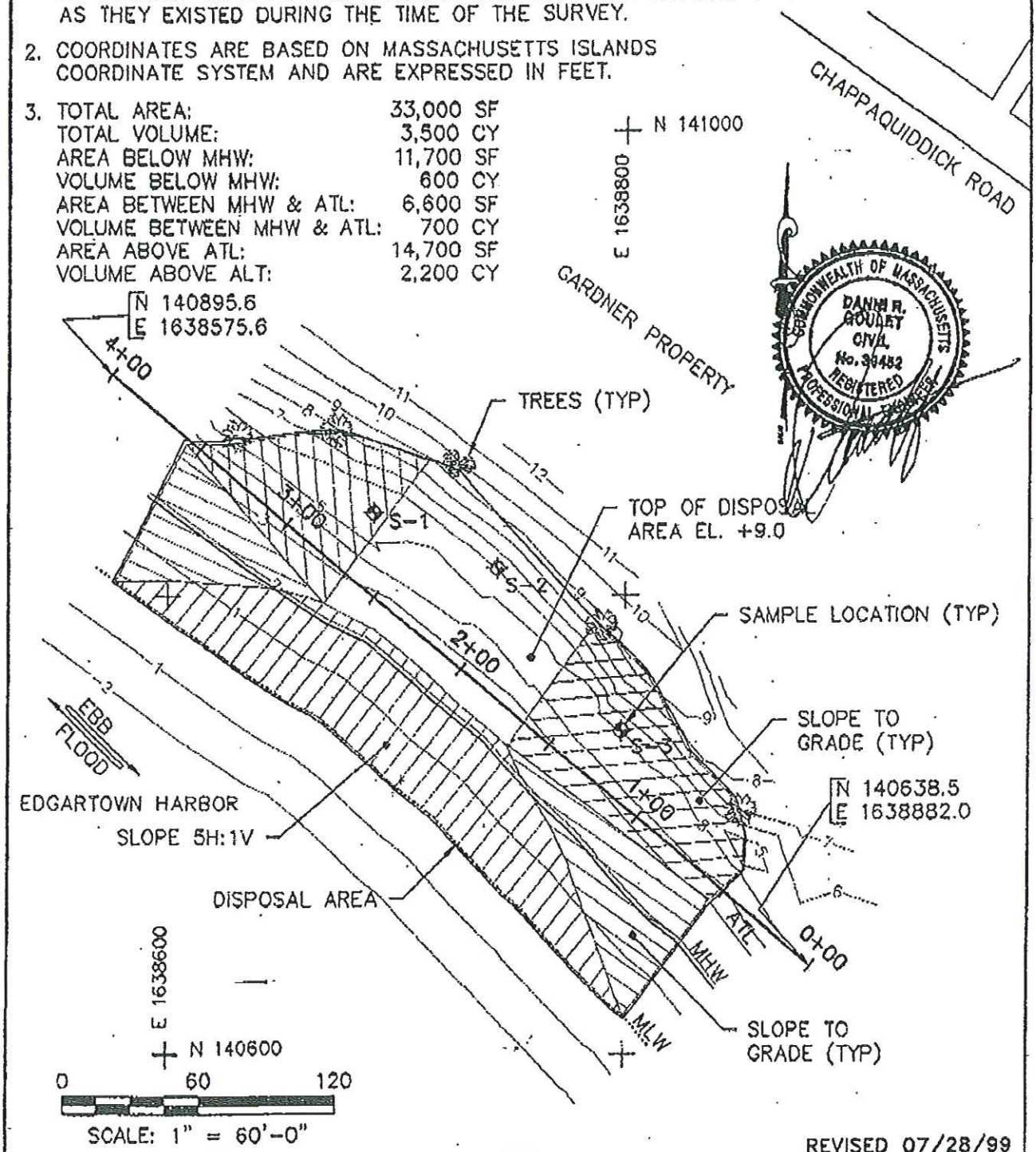
PURPOSE: PROPOSED DREDGE SPOILS DISPOSAL AREA	TITLE: CROSS SECTION	APPLICATION BY: TOWN OF EDGARTOWN
100 YR FLOOD +9.9 ATL +3.0 MHW +1.9 NVGD +0.9 MLW +0.0	BCE Bourne Consulting Engineering 114 Main Central Street Plymouth, MA 02360 PH. (508) 224-8133 FAX (508) 830-4471	IN: EDGARTOWN HARBOR AT: GARDNER PROPERTY COUNTY: DUKES STATE: MA SHEET 3 OF 3 DATE: MAY ,'99

1. CONTOURS REFER TO MLW, AND REFER TO DATA COLLECTED ON MAY 10, 1999 BY BOURNE CONSULTING ENGINEERING AND CAN ONLY REFLECT CONDITIONS AS THEY EXISTED DURING THE TIME OF THE SURVEY.

2. COORDINATES ARE BASED ON MASSACHUSETTS ISLANDS COORDINATE SYSTEM AND ARE EXPRESSED IN FEET.

3.

TOTAL AREA:	33,000 SF
TOTAL VOLUME:	3,500 CY
AREA BELOW MHW:	11,700 SF
VOLUME BELOW MHW:	600 CY
AREA BETWEEN MHW & ATL:	6,600 SF
VOLUME BETWEEN MHW & ATL:	700 CY
AREA ABOVE ATL:	14,700 SF
VOLUME ABOVE ALT:	2,200 CY



REVISED 07/28/99

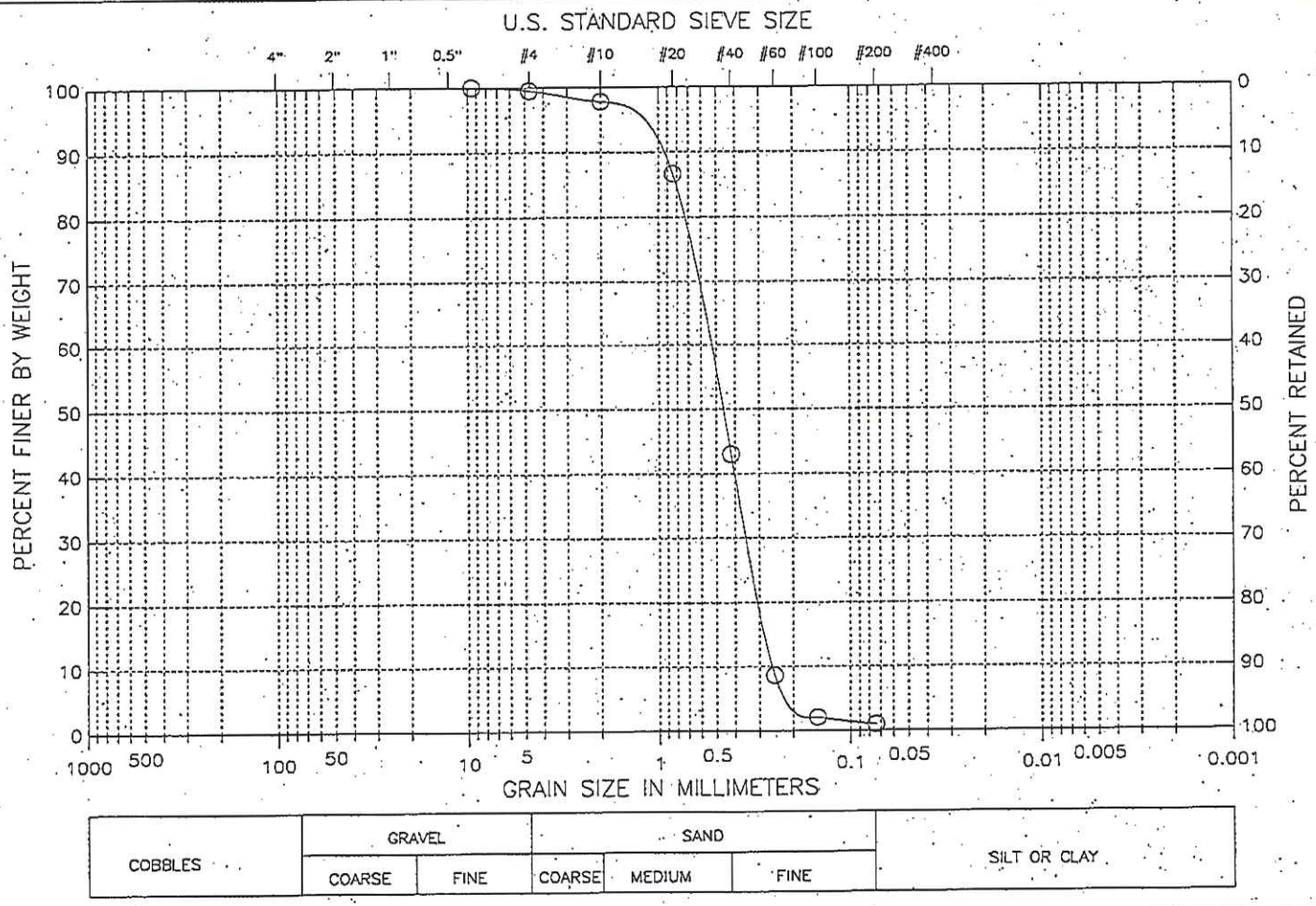
PURPOSE:	TITLE:	APPLICATION BY:
PROPOSED DREDGE SPOILS DISPOSAL AREA	PLAN VIEW	TOWN OF EDGARTOWN

100 YR FLOOD	+9.9
HTL	+3.0
MHW	+1.9
NVGD	+0.9
MLW	+0.0

Bourne Consulting Engineering

IN: EDGARTOWN HARBOR
AT: GARDNER PROPERTY
COUNTY: DUKES STATE: MA
SHEET 2 OF 3 DATE: JUNE 99

	Boring No. : --- Sample No: Beach 1 (8 in) Test Method ASTM D 422 Filename : BEACH1	Project : Gardner Property Project No.: GTX-2133 Location: --- Date :.Mon Feb 01 1999



Classification :
(SP) Poorly graded sand
Visual Description :
Moist, light olive brown sand

Remarks :

Figure 1

GeoTesting Express • Boxborough, MA • (978) 635-0424 • Fax (978) 635-0266

GEOTECHNICAL LABORATORY TEST DATA

Project : Gardner Property
Project No. : GTX-2133
Boring No. : ---
Sample No. : Beach 1 (8 in)
Location : ---
Soil Description : Moist, light olive brown sand
Remarks : ---

Depth : 8 in
Test Date : 01/30/99
Test Method : ASTM D 422

Filename : BEACH1
Elevation : ---
Tested by : tje
Checked by : gtt

FINE SIEVE SET

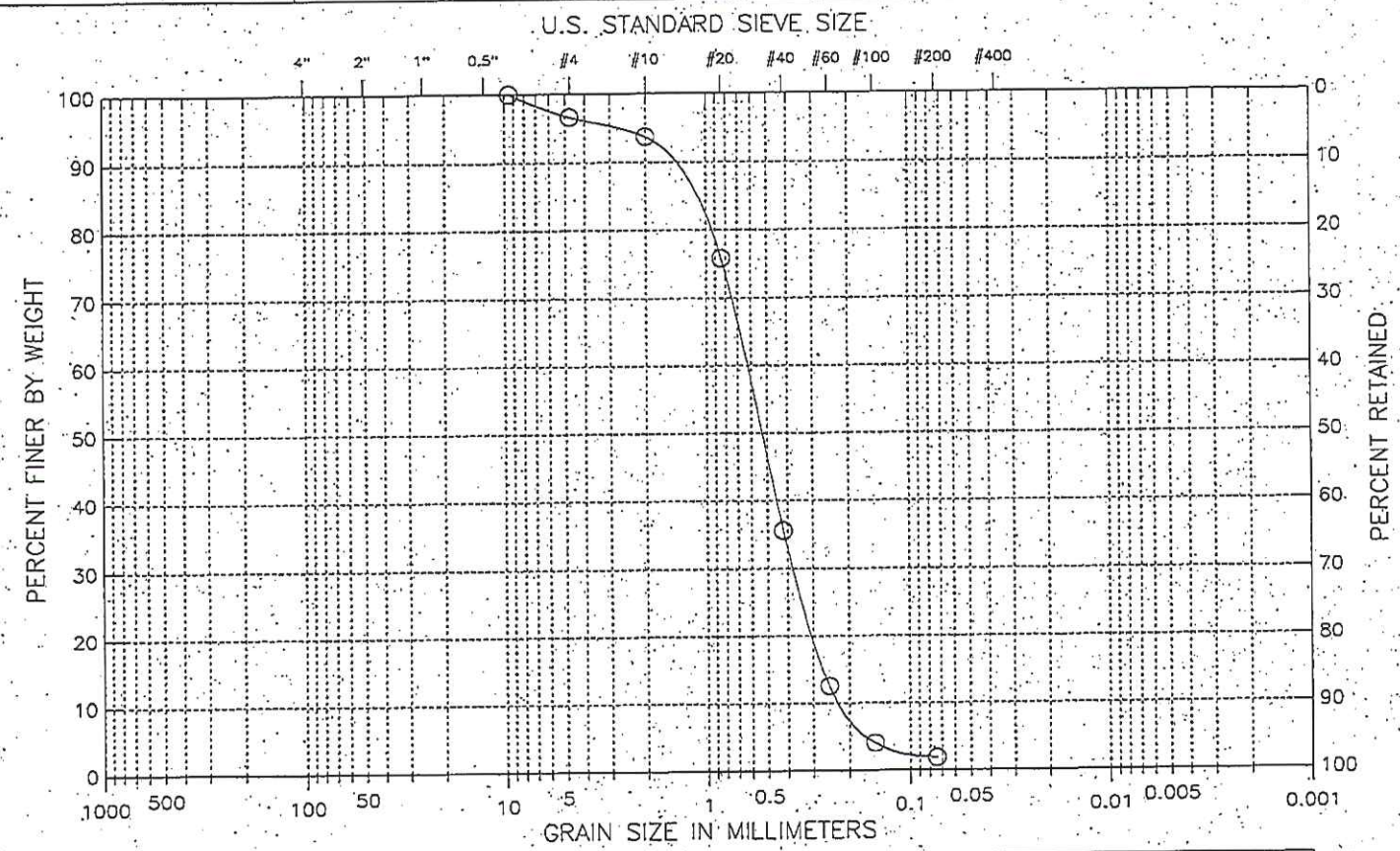
Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.66	0.66	100
#10	0.079	2.00	2.37	3.03	98
#20	0.033	0.84	15.09	18.12	87
#40	0.017	0.42	59.77	77.89	43
#60	0.010	0.25	47 00	124.89	9
#100	0.006	0.15	8.94	133.83	2
#200	0.003	0.07	1.59	135.42	1
Pan			1.25	136.67	0

Total Dry Weight of Sample = 145.54

D85 : 0.8181 mm
D60 : 0.5501 mm
D50 : 0.4693 mm
D30 : 0.3452 mm
D15 : 0.2753 mm
D10 : 0.2553 mm

Soil Classification
ASTM Group Symbol : SP
ASTM Group Name : Poorly graded sand
AASHTO Group Symbol : A-1-b(0)
AASHTO Group Name : Stone Fragments, Gravel and Sand

	Boring No. : --- Sample No.: Beach 2 (8 in) Test Method ASTM D 422 Filename : BEACH2	Project : Gardner Property Project No.: GTX-2133 Location: --- Date : Mon Feb 01 1999



Classification :
(SP) Poorly graded sand
Visual Description :
Moist, light olive brown sand

Remarks :

Figure 2

GeoTesting Express • Boxborough, MA • (978) 635-0424 • Fax (978) 635-0266

GEOTECHNICAL LABORATORY TEST DATA

Project : Gardner Property
Project No. : GTX-2133
Boring No. : ---
Sample No. : Beach 2 (8 in)
Location : ---
Depth : 8 in
Test Date : 01/30/99
Test Method : ASTM D 422
Filename : BEACH2
Elevation : ---
Tested by : tje
Checked by : gtt
Soil Description : Moist, light olive brown sand
Remarks : ---

FINE SIEVE SET

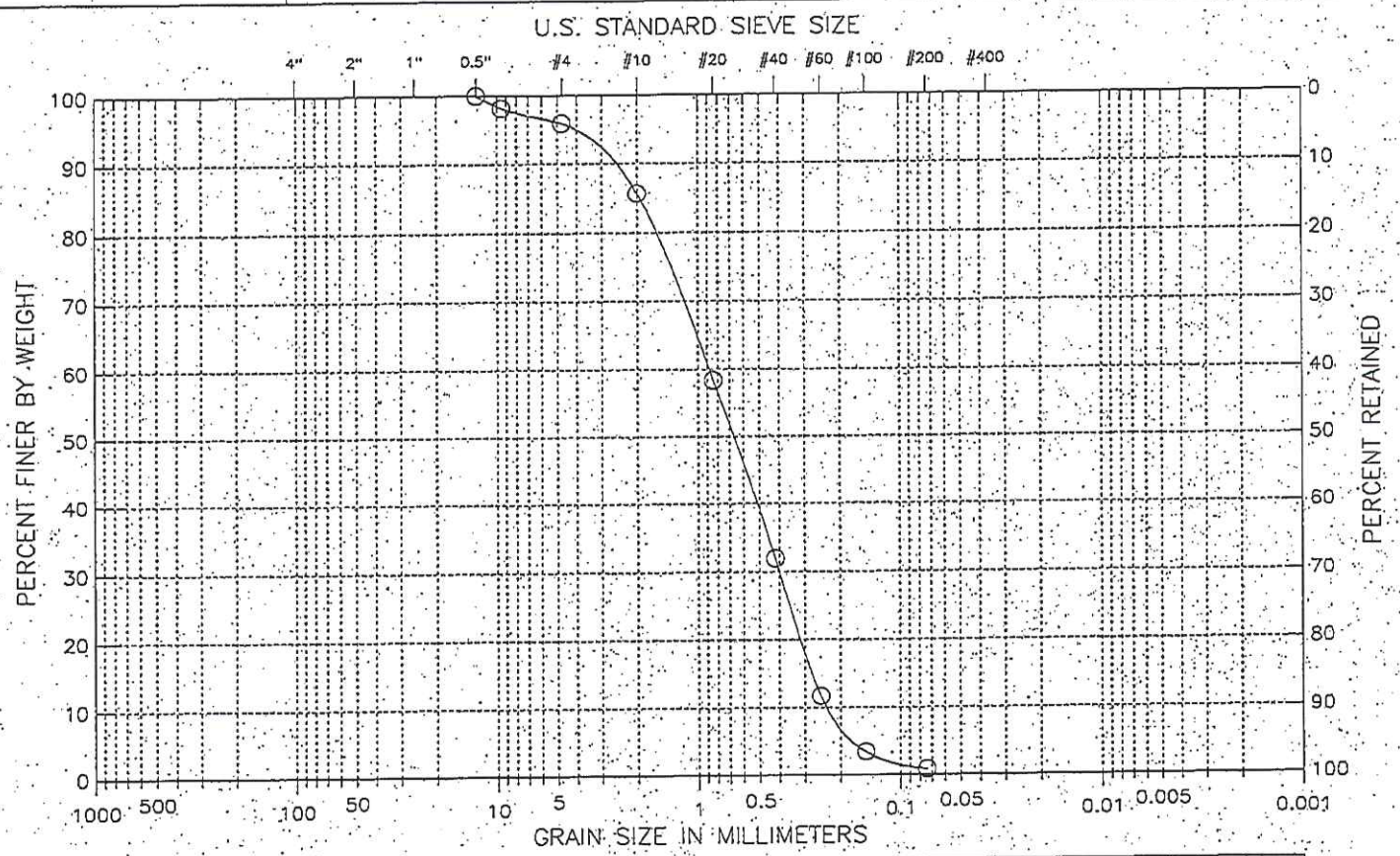
Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	4.29	4.29	97
#10	0.079	2.00	3.72	8.01	94
#20	0.033	0.84	22.65	30.66	76
#40	0.017	0.42	51.17	81.83	36
#60	0.010	0.25	29.34	111.17	13
#100	0.005	0.15	10.81	121.98	4
#200	0.003	0.07	2.82	124.80	2
Pan			2.29	127.09	0

Total Dry Weight of Sample = 136.19

D85 : 1.3105 mm
D60 : 0.6396 mm
D50 : 0.5383 mm
D30 : 0.3702 mm
D15 : 0.2643 mm
D10 : 0.2144 mm

Soil Classification
ASTM Group Symbol : SP
ASTM Group Name : Poorly graded sand
AASHTO Group Symbol : A-1-b(0)
AASHTO Group Name : Stone Fragments, Gravel and Sand

	Boring No. : --- Sample No: Beach 3 (8 in) Test Method ASTM D 422 Filename : BEACH3	Project : Gardner Property Project No.: GTX-2133 Location: --- Date : Mon Feb 01 1999



Classification :
(SP) Poorly graded sand
Visual Description :
Moist, light olive brown sand

Remarks :

Figure 3

GeoTesting Express • Boxborough, MA • (978) 635-0424 • Fax (978) 635-0266

GEOTECHNICAL LABORATORY TEST DATA

Project : Gardner Property
Project No. : GTX-2133
Boring No. : ---
Sample No. : Beach 3 (8 in)
Location : ---
Soil Description : Moist, light olive brown sand
Remarks : ---

Depth : 8 in
Test Date : 01/30/99
Test Method : ASTM D 422

Filename : BEACH3
Elevation : ---
Tested by : tje
Checked by : gtt

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.5"	0.500	12.70	0.00	0.00	100
0.375"	0.374	9.51	2.01	2.01	98
#4	0.187	4.75	2.49	4.50	96
#10	0.079	2.00	11.16	15.66	86
#20	0.033	0.84	30.02	45.68	58
#40	0.017	0.42	29.01	74.69	32
#60	0.010	0.25	22.23	96.92	12
#100	0.006	0.15	9.10	106.02	3
#200	0.003	0.07	2.89	108.91	1
Pan			0.87	109.78	0

Total Dry Weight of Sample = 118.73

D85 : 1.9540 mm
D60 : 0.8850 mm
D50 : 0.6746 mm
D30 : 0.3994 mm
D15 : 0.2720 mm
D10 : 0.2246 mm

Soil Classification
ASTM Group Symbol : SP
ASTM Group Name : Poorly graded sand
AASHTO Group Symbol : A-1-b(0)
AASHTO Group Name : Stone Fragments, Gravel and Sand