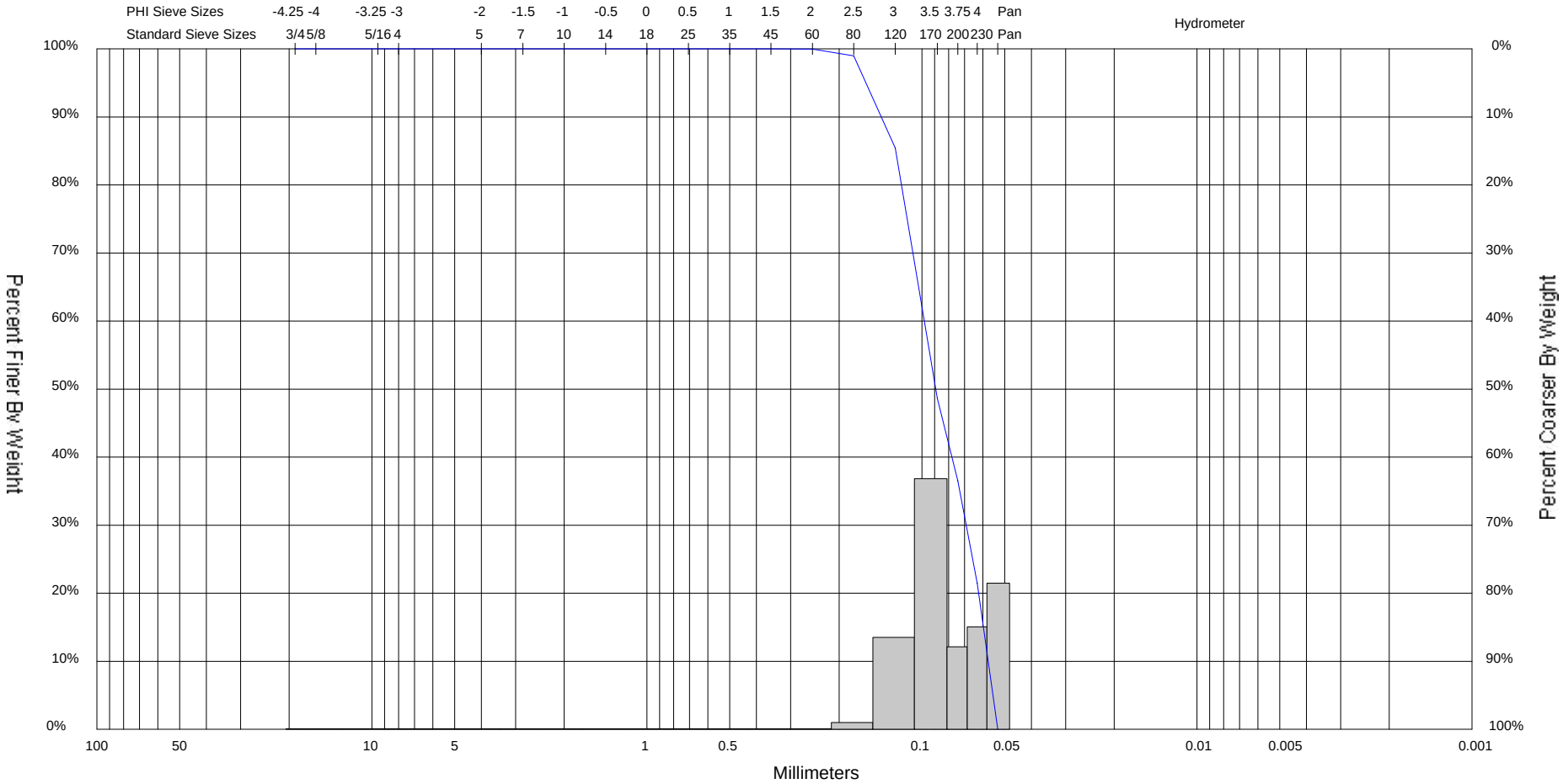
**SANDY POINT**
**2003 VIBRACORE GRAIN SIZE DISTRIBUTION CURVES/HISTOGRAMS**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

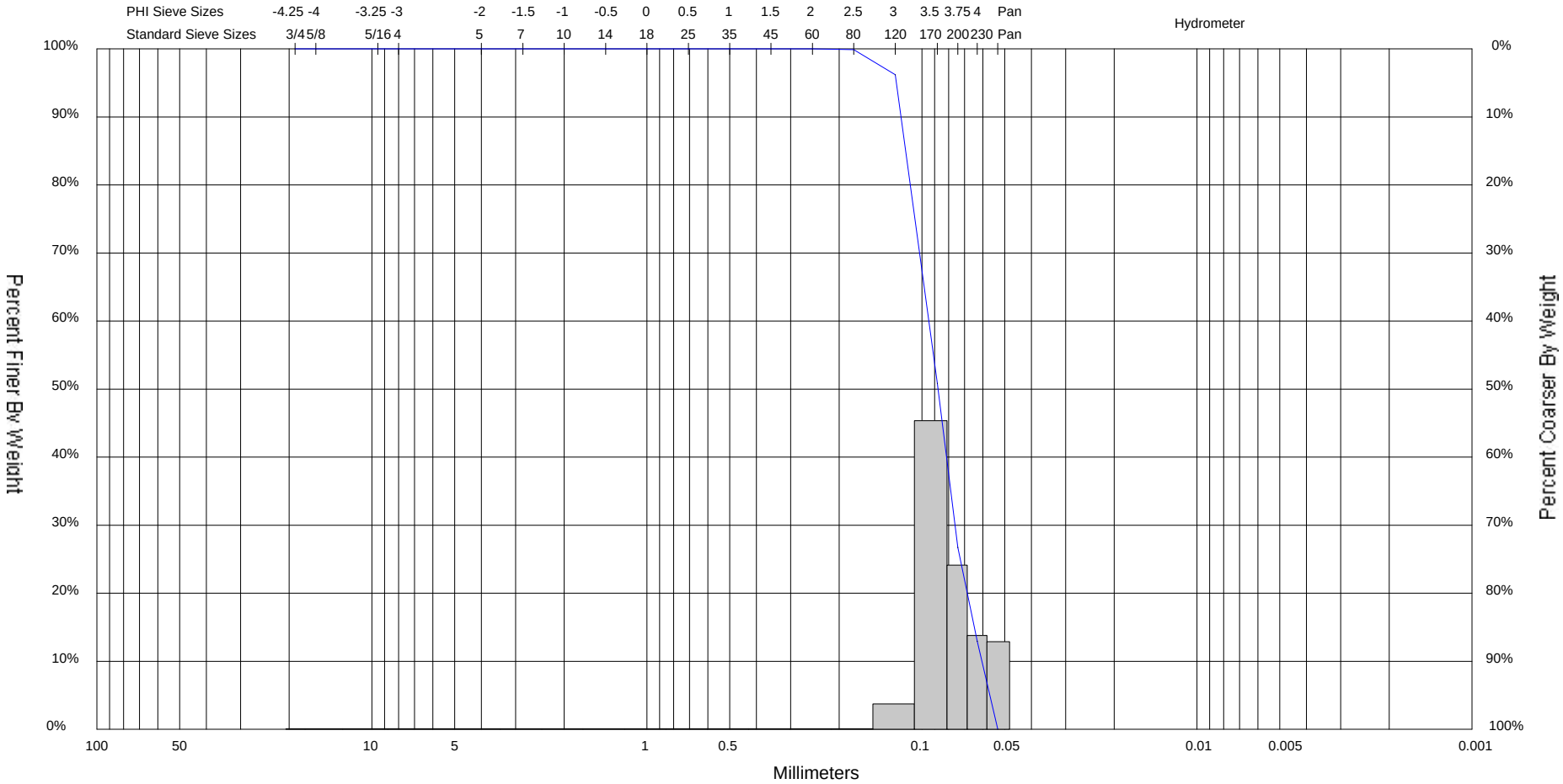
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-03 S#2 | | -39.6 | | SM | 21.48 | 0.09 | 0.09 | -0.14 | 1.34 | 0.59 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855493 |
| Northing (Y): | 232415 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

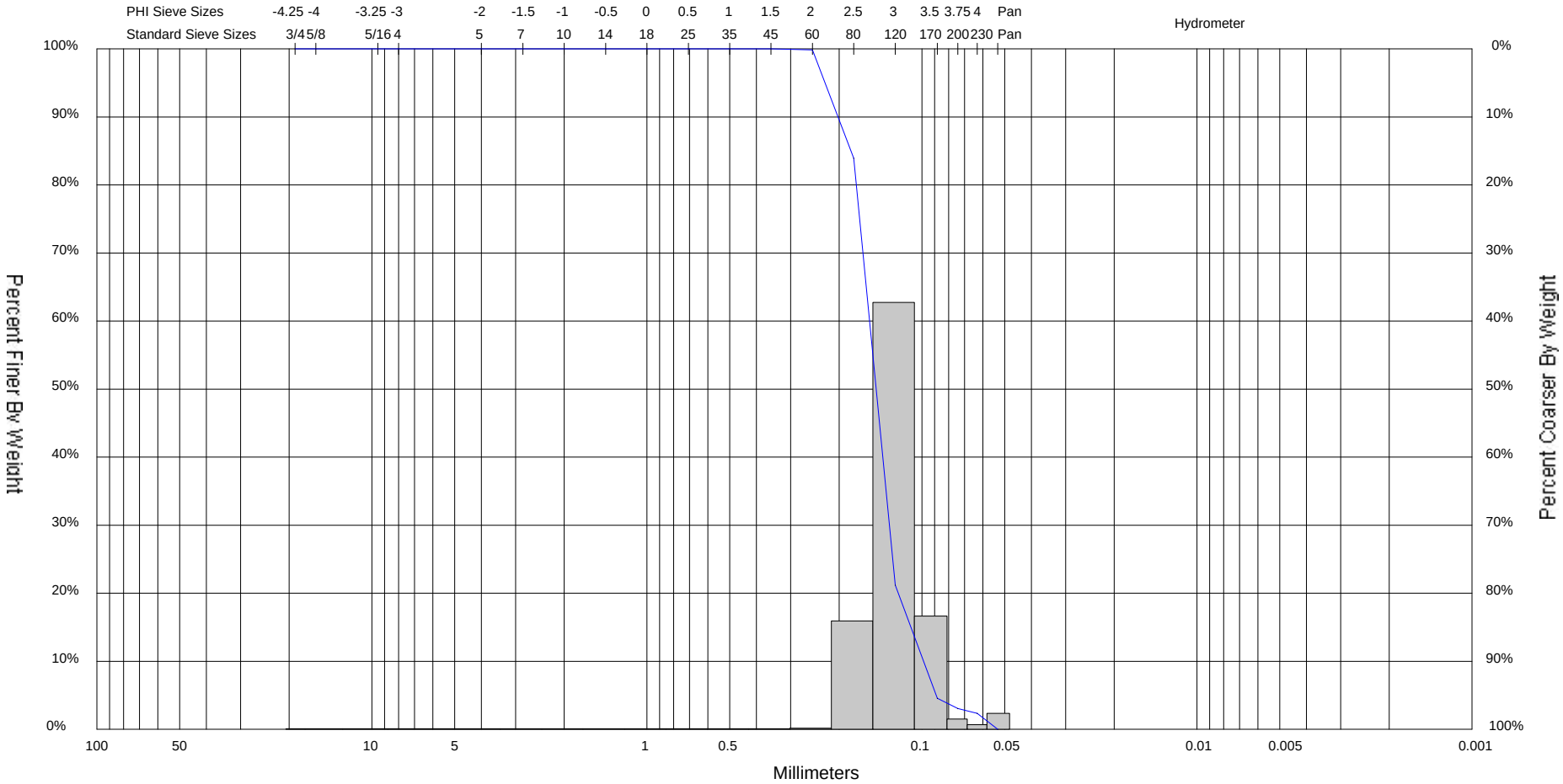
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-03 S#3 | | -45.1 | | SM | 12.93 | 0.09 | 0.09 | 0.15 | 1.33 | 0.43 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855493 |
| Northing (Y): | 232415 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

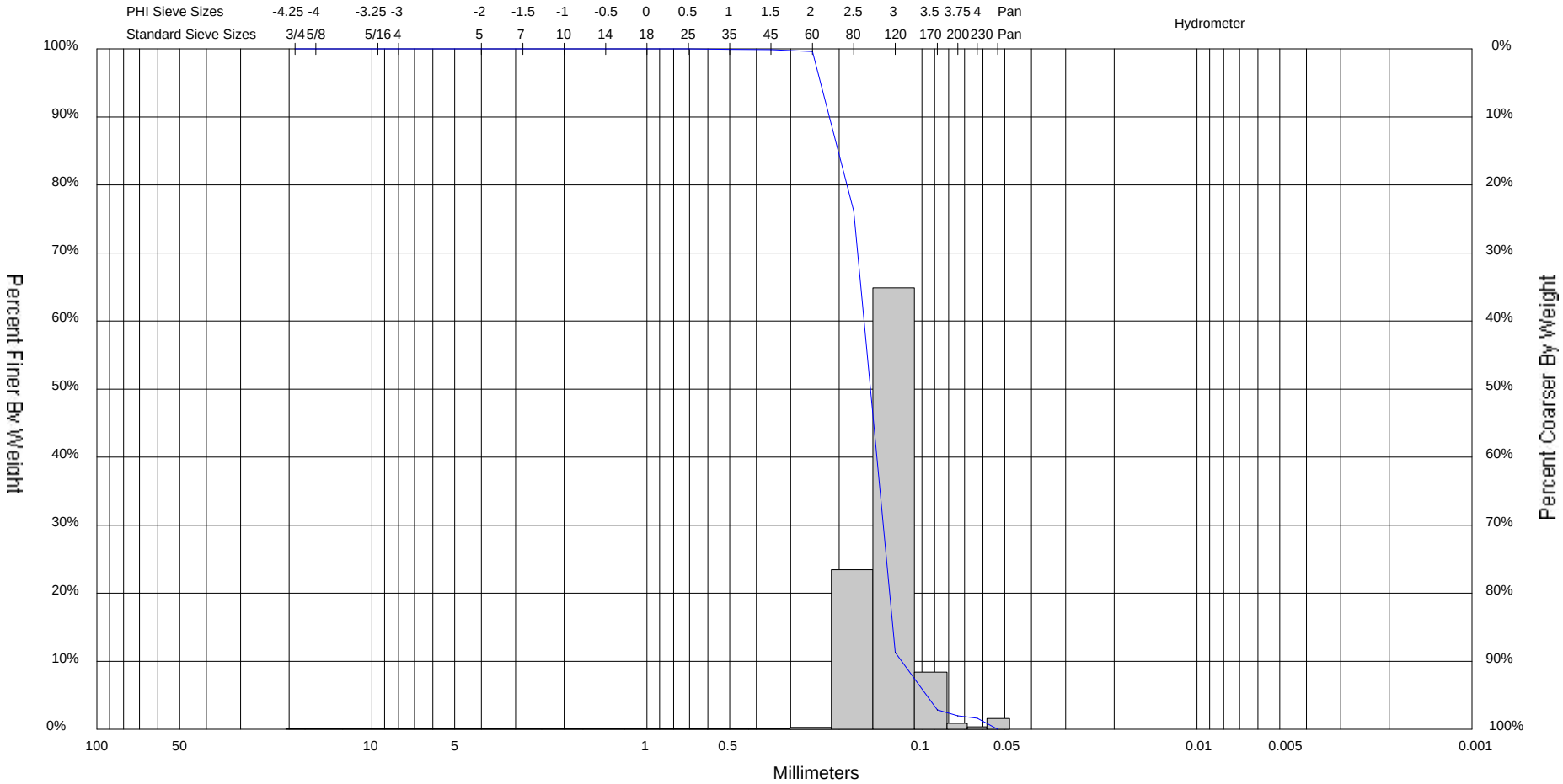
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-03 S#4 | | -49.8 | | SP | 2.34 | 0.15 | 0.14 | 0.11 | 1.80 | 0.45 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855493 |
| Northing (Y): | 232415 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

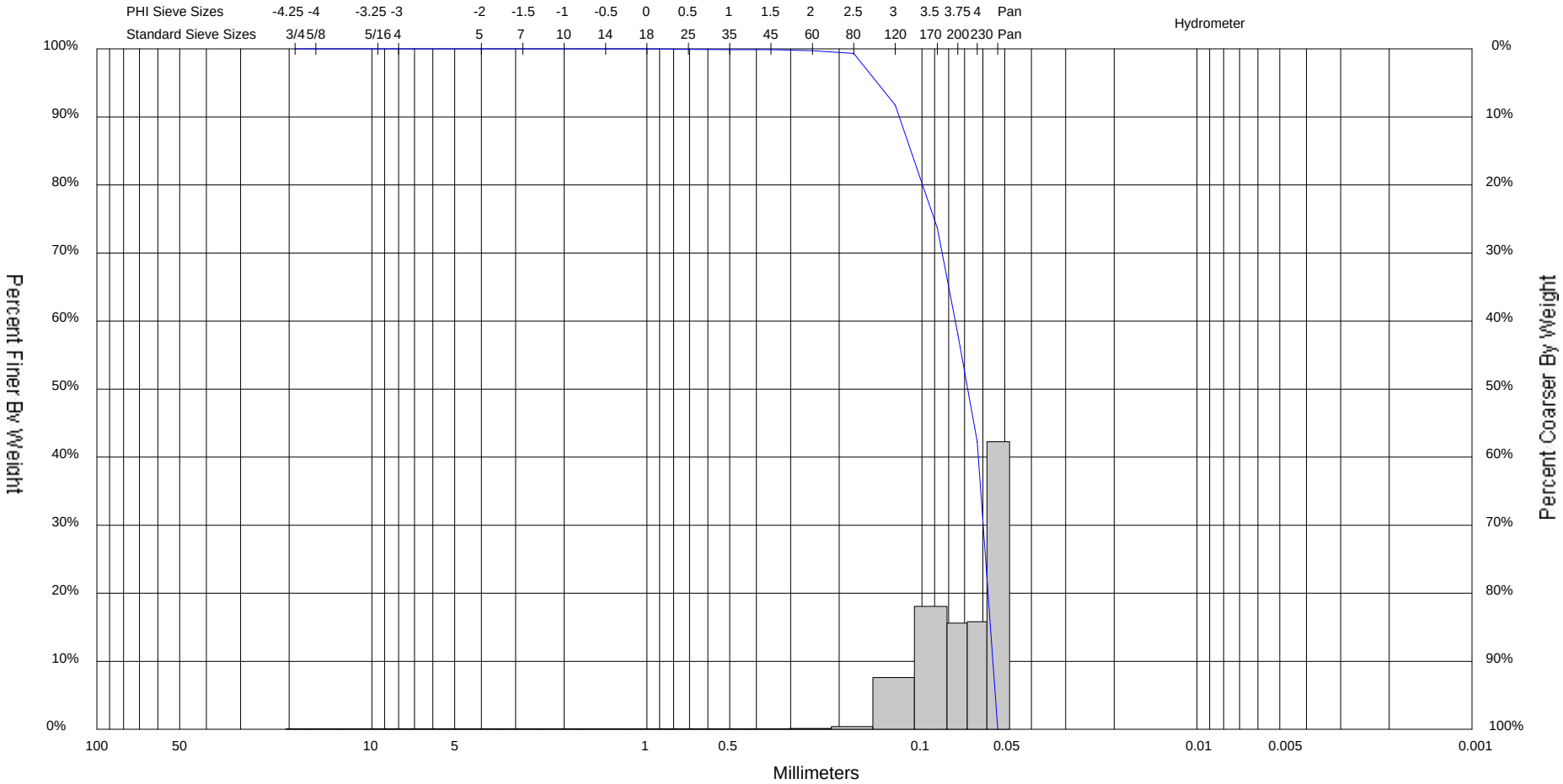
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-03 S#5 | | -53.4 | | SP | 1.61 | 0.15 | 0.15 | 0.15 | 1.82 | 0.43 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855493 |
| Northing (Y): | 232415 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

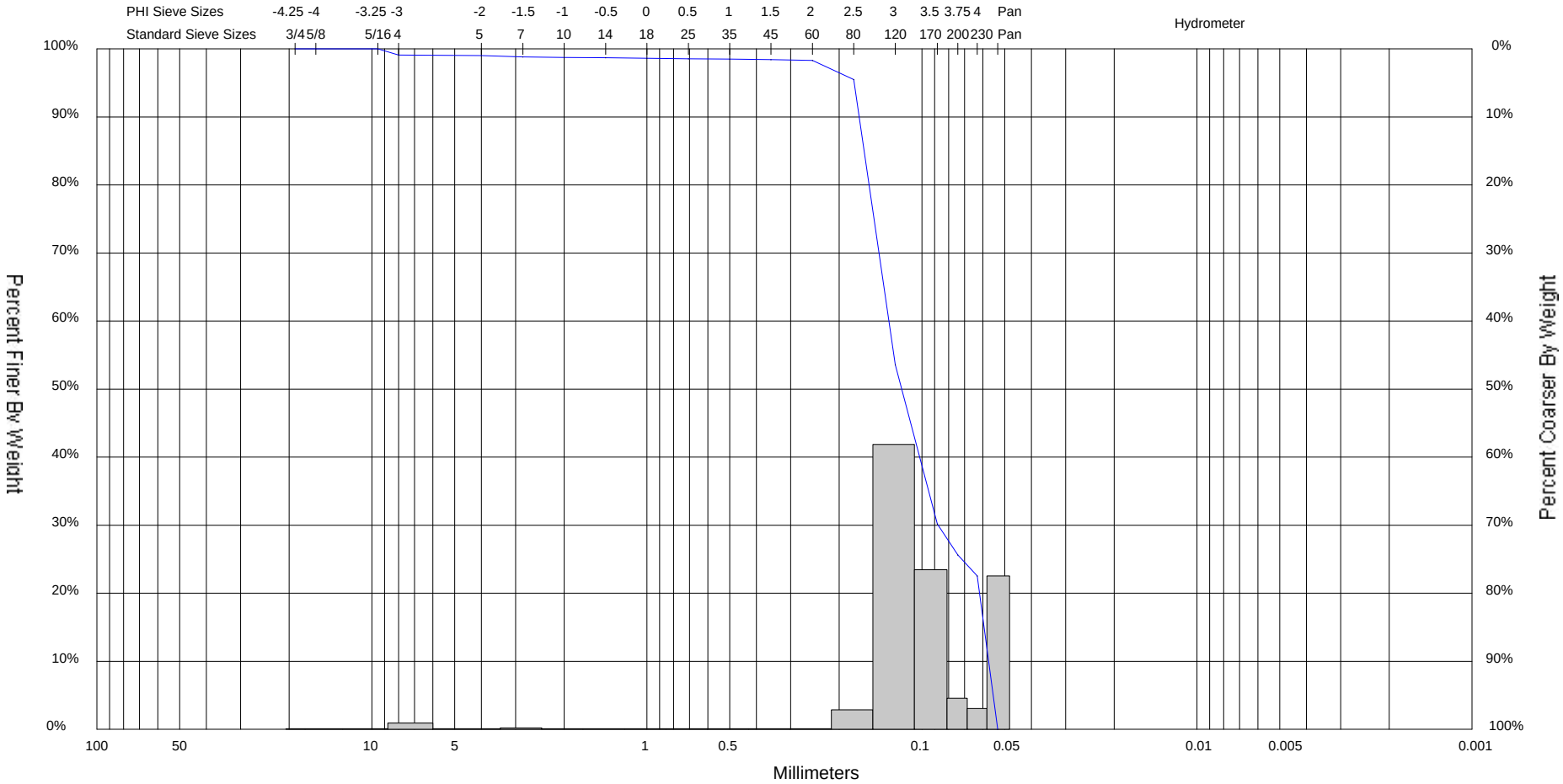
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-03 S#6 | | -42.6 | | ML | 42.27 | 0.07 | 0.08 | -0.53 | 1.62 | 0.55 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855493 |
| Northing (Y): | 232415 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |


COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

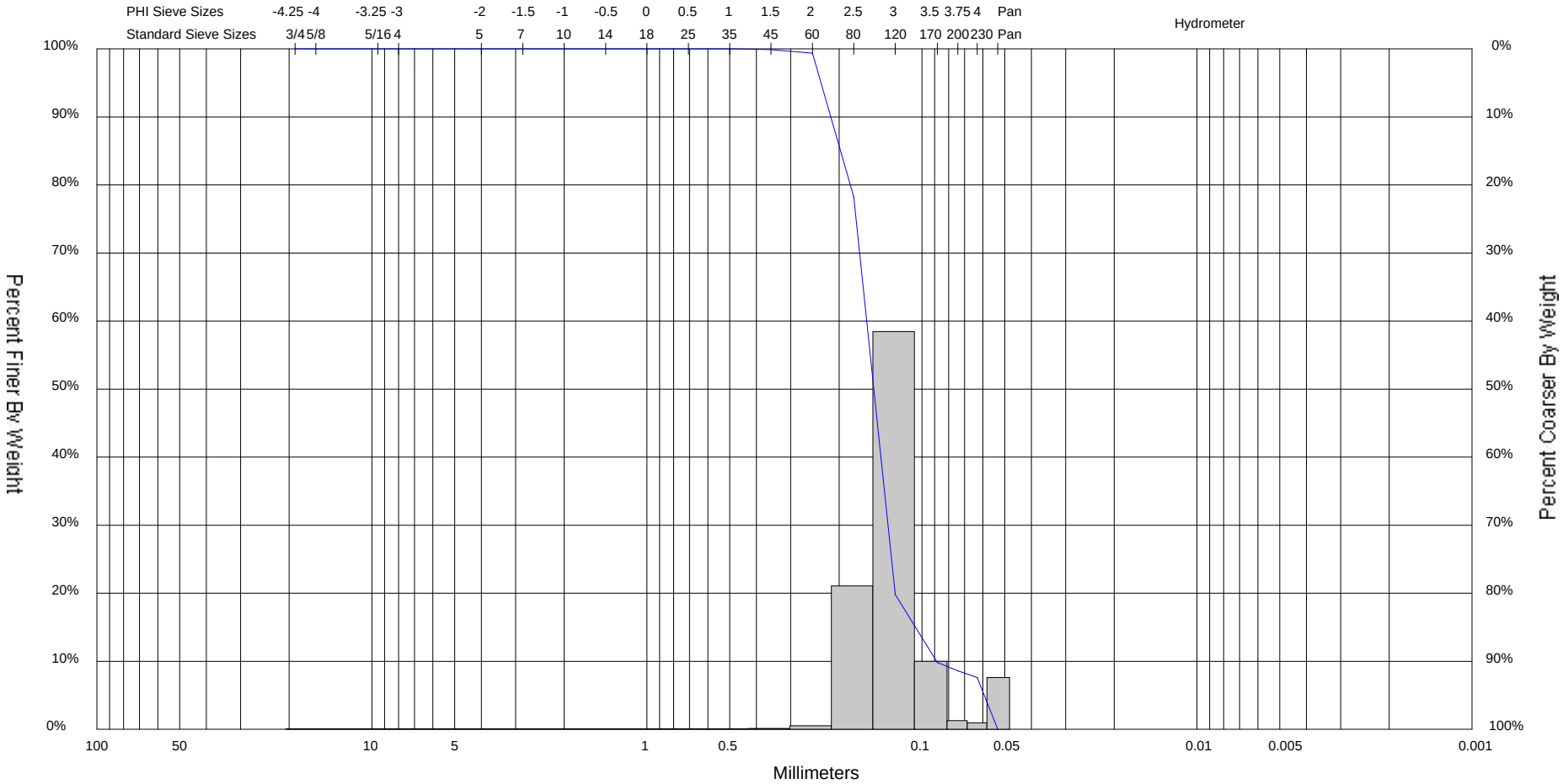
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-05 S#1 | | -36.4 | | SM | 22.54 | 0.12 | 0.10 | 0.19 | 1.12 | 0.72 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863175 |
| Northing (Y): | 222287 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

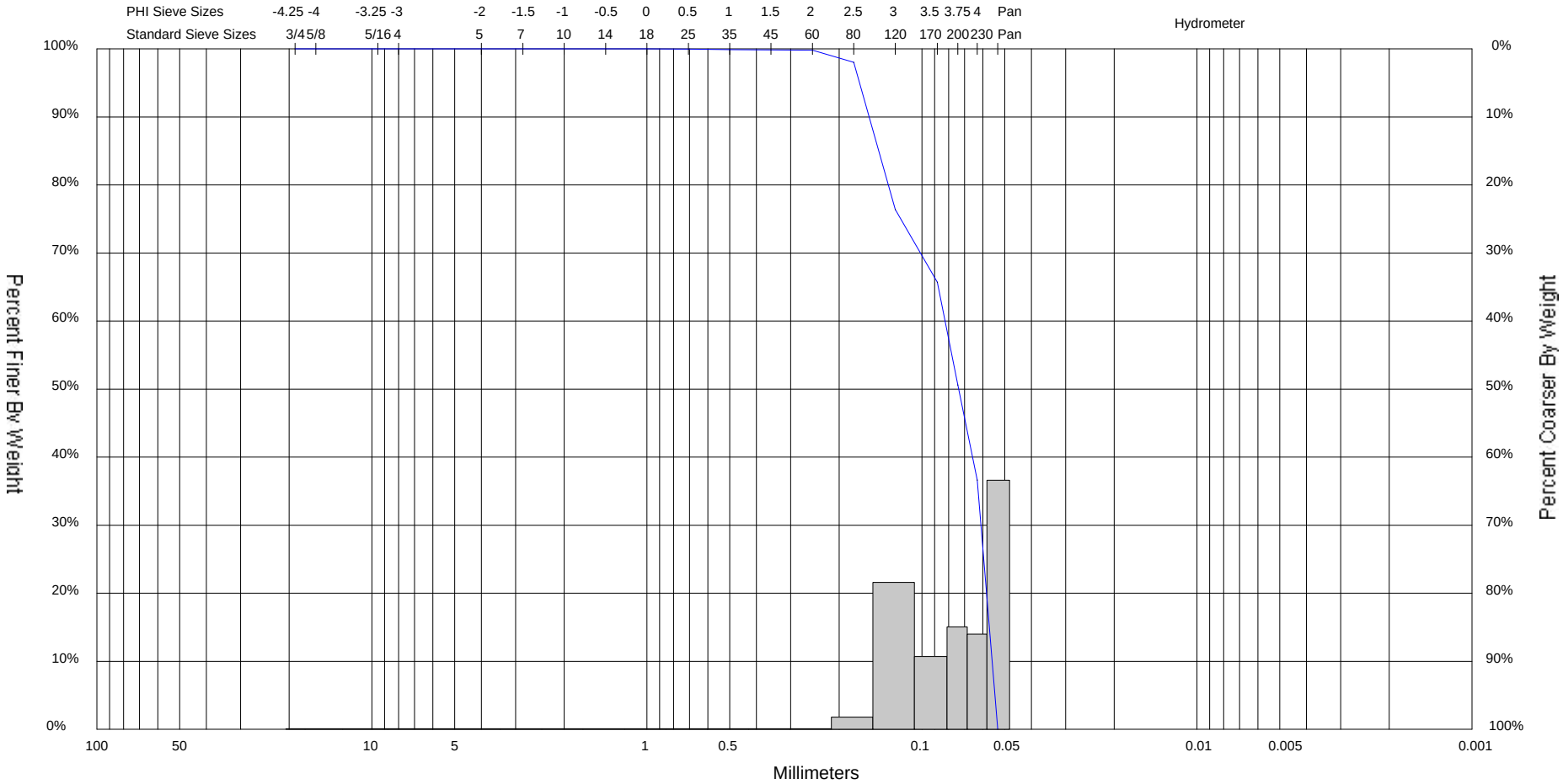
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-05 S#2 | | -40.4 | | SW-SM | 7.63 | 0.15 | 0.14 | 0.80 | 2.47 | 0.65 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855275 |
| Northing (Y): | 230980 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

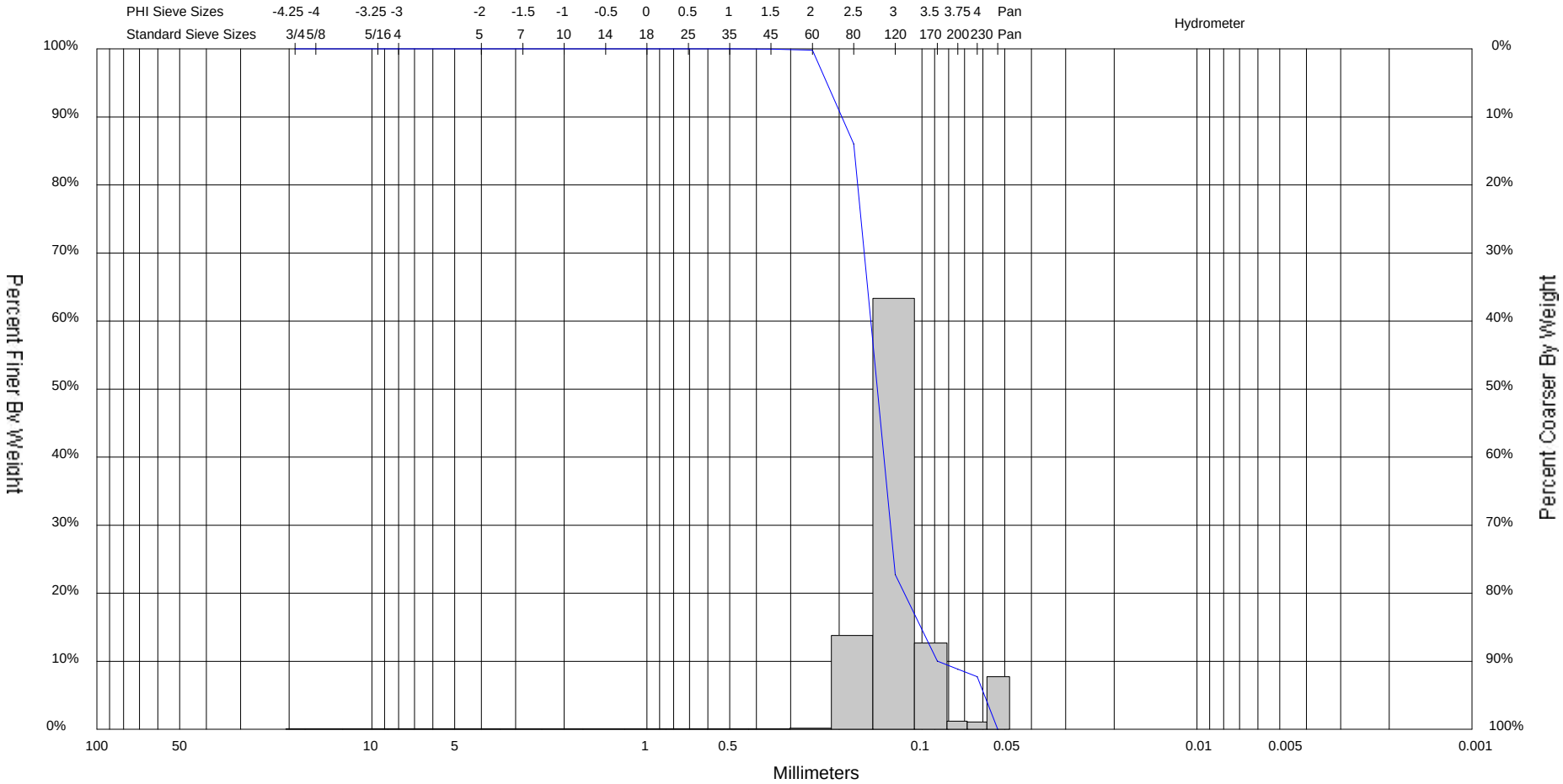
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-05 S#3 | | -45.5 | | ML | 36.63 | 0.07 | 0.09 | -0.28 | 1.18 | 0.69 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863175 |
| Northing (Y): | 222287 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

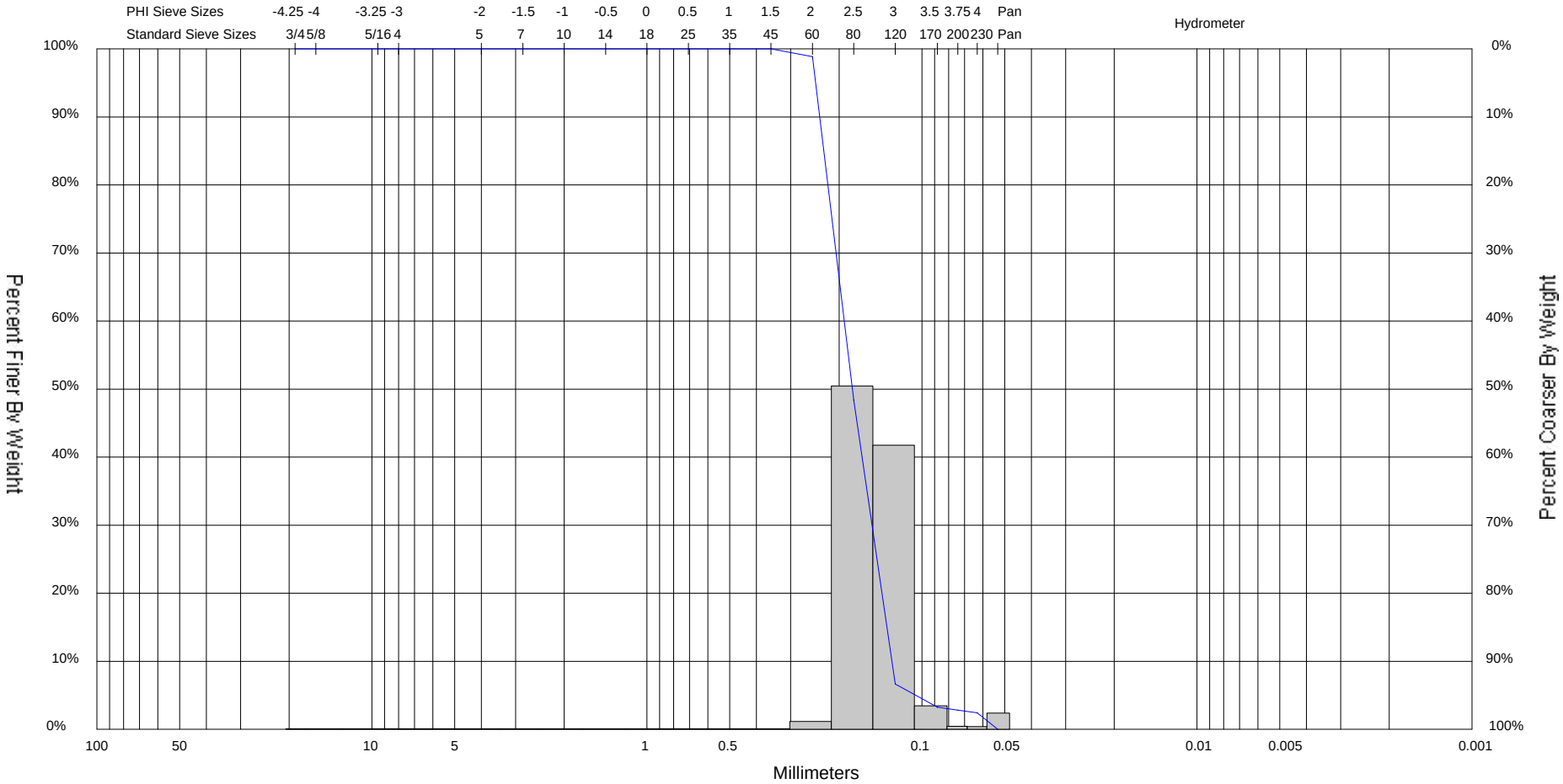
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-05 S#4 | | -46.3 | | SW-SM | 7.74 | 0.15 | 0.13 | 0.80 | 2.48 | 0.62 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855275 |
| Northing (Y): | 230980 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

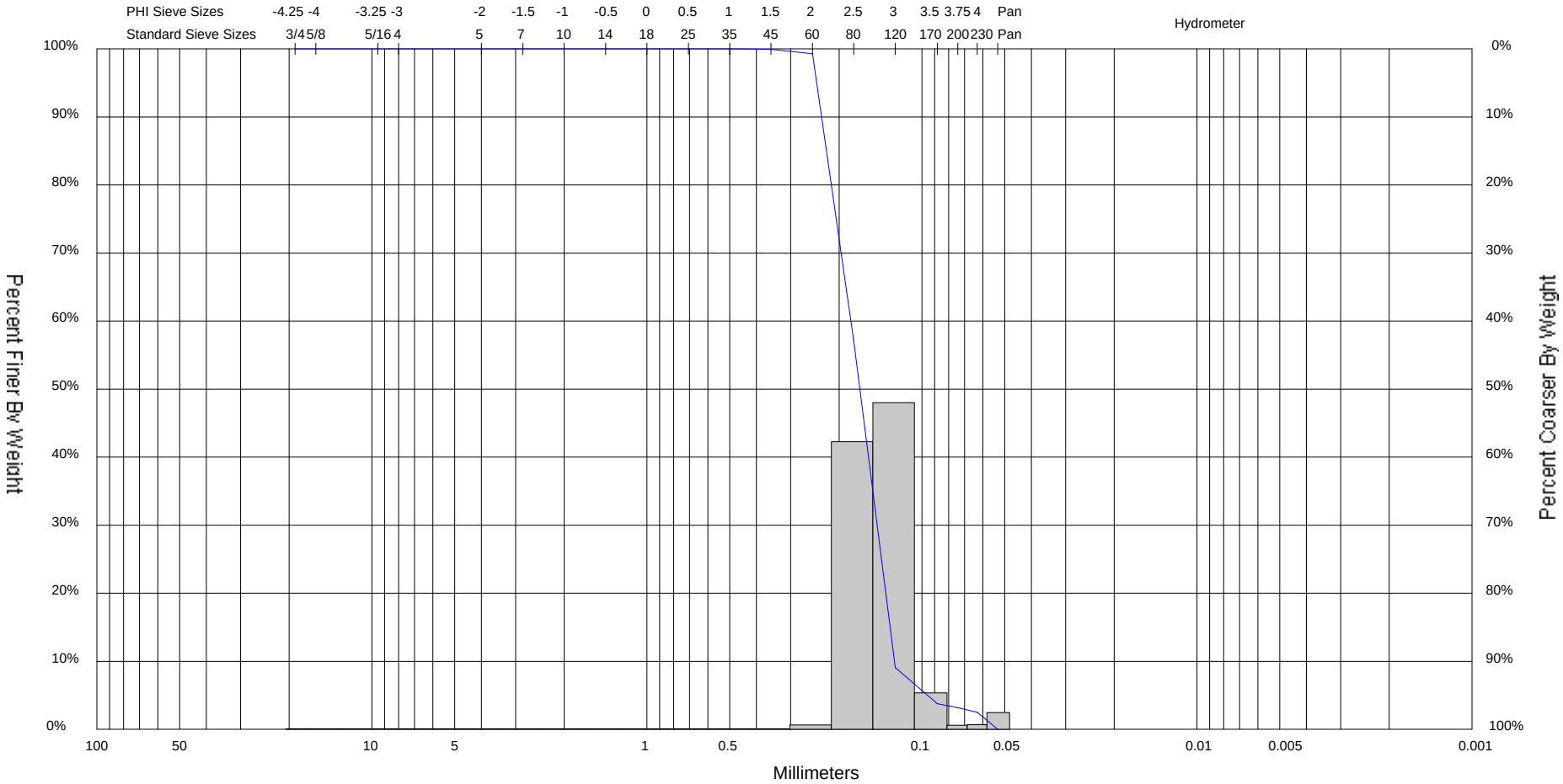
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-05 S#5 | | -50.2 | | SP | 2.42 | 0.18 | 0.17 | 0.33 | 1.54 | 0.44 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855275 |
| Northing (Y): | 230980 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

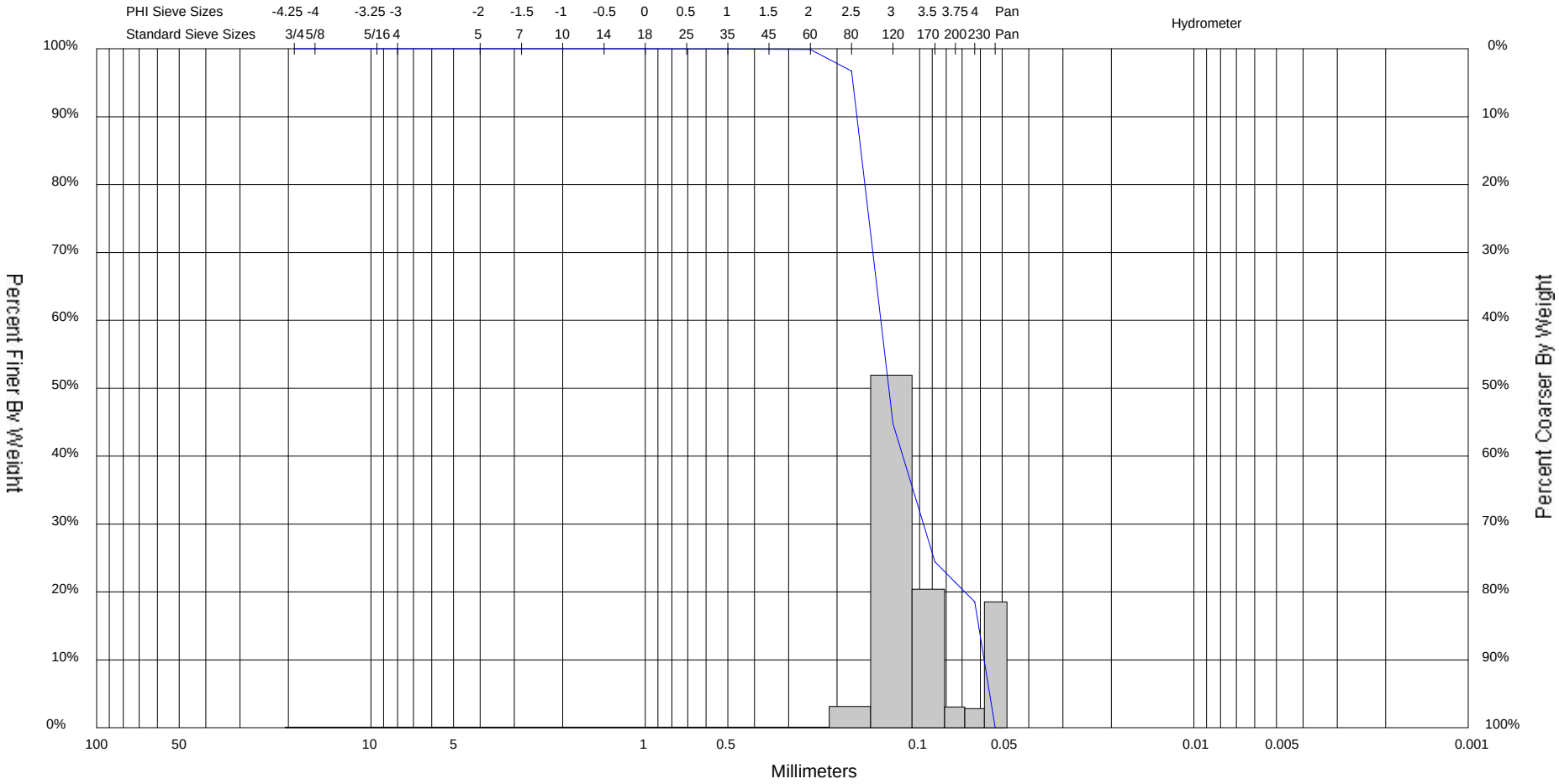
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-05A S#7 | | -50.9 | | SP | 2.49 | 0.17 | 0.16 | 0.37 | 1.70 | 0.47 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863171 |
| Northing (Y): | 222290 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

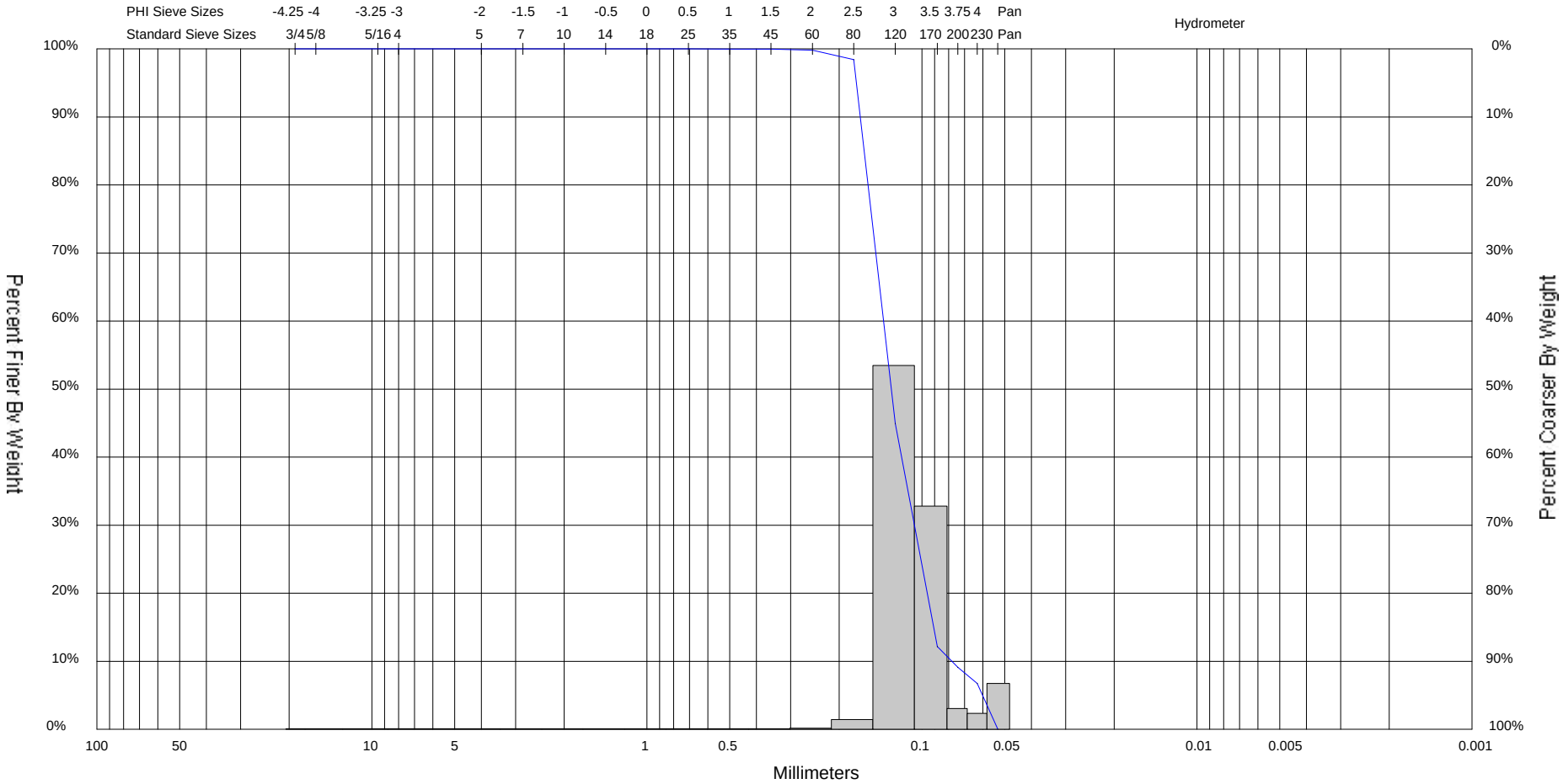
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-06 S#1 | | -45.9 | | SM | 18.55 | 0.13 | 0.11 | 0.40 | 1.31 | 0.69 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863029 |
| Northing (Y): | 223563 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

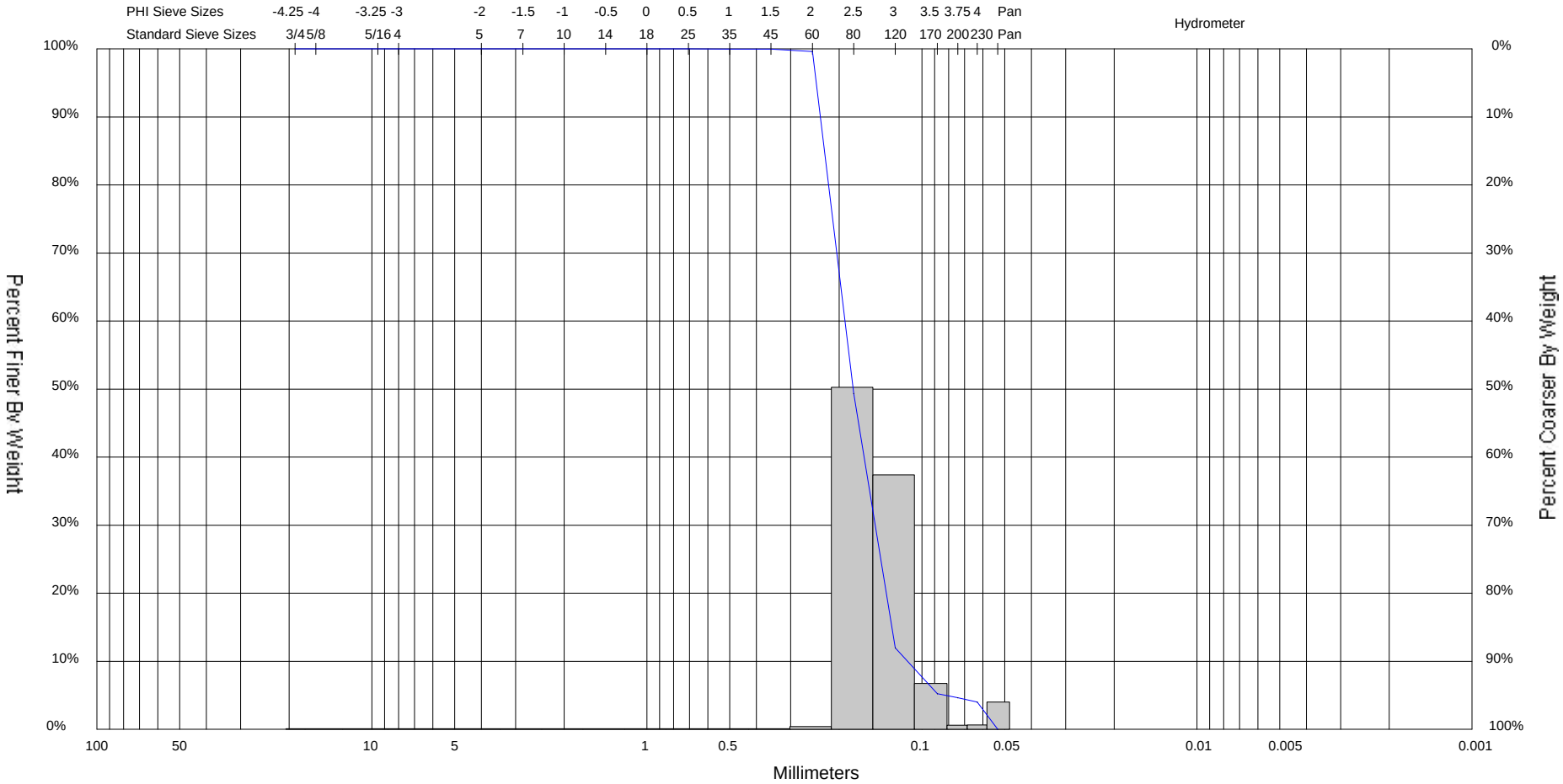
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-06 S#2 | | -37.9 | | SW-SM | 6.75 | 0.13 | 0.12 | 0.66 | 2.00 | 0.55 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863029 |
| Northing (Y): | 223563 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

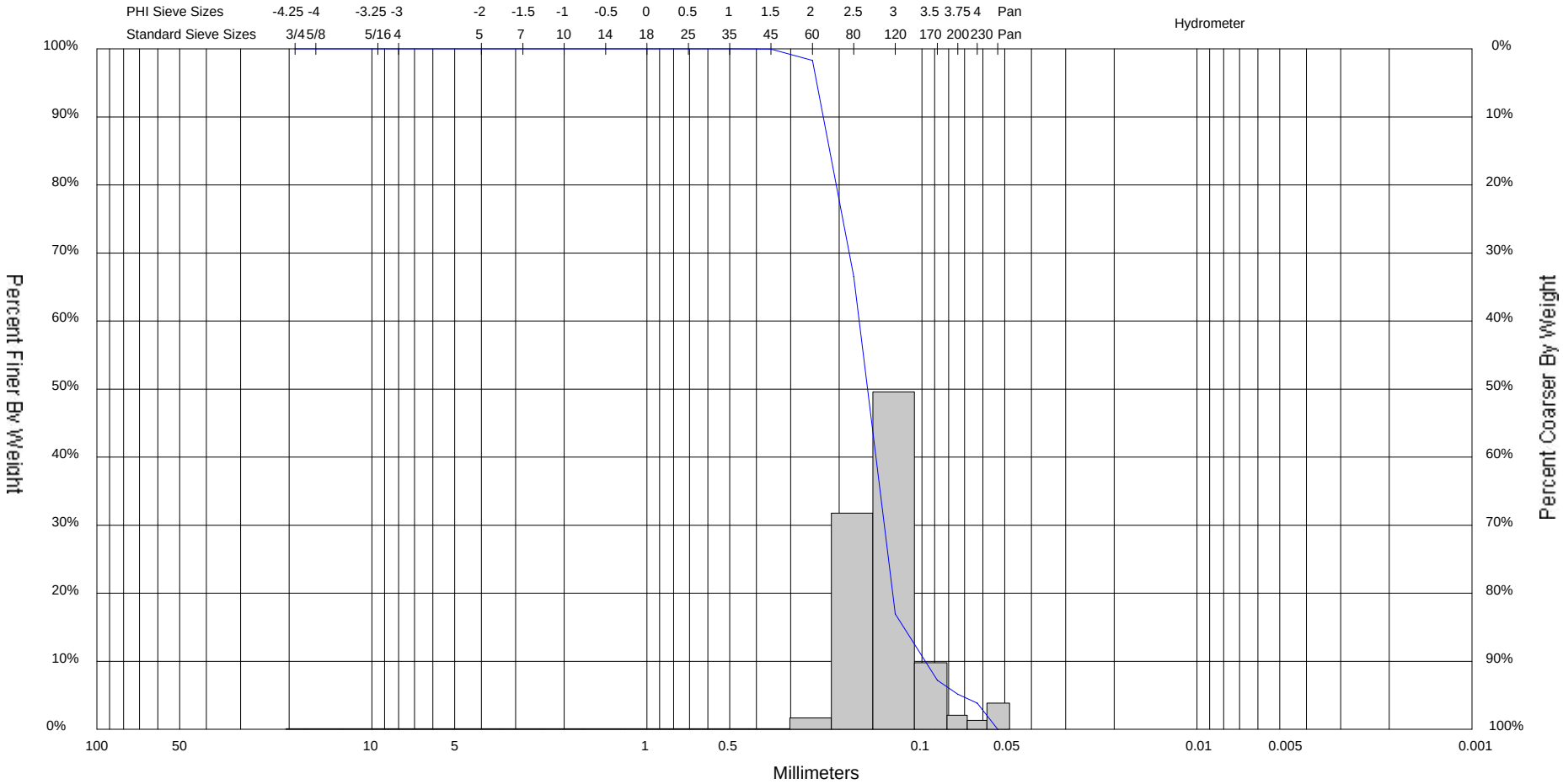
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-06 S#4 | | -41.9 | | SP | 4.01 | 0.18 | 0.16 | 0.67 | 2.06 | 0.55 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863029 |
| Northing (Y): | 223563 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

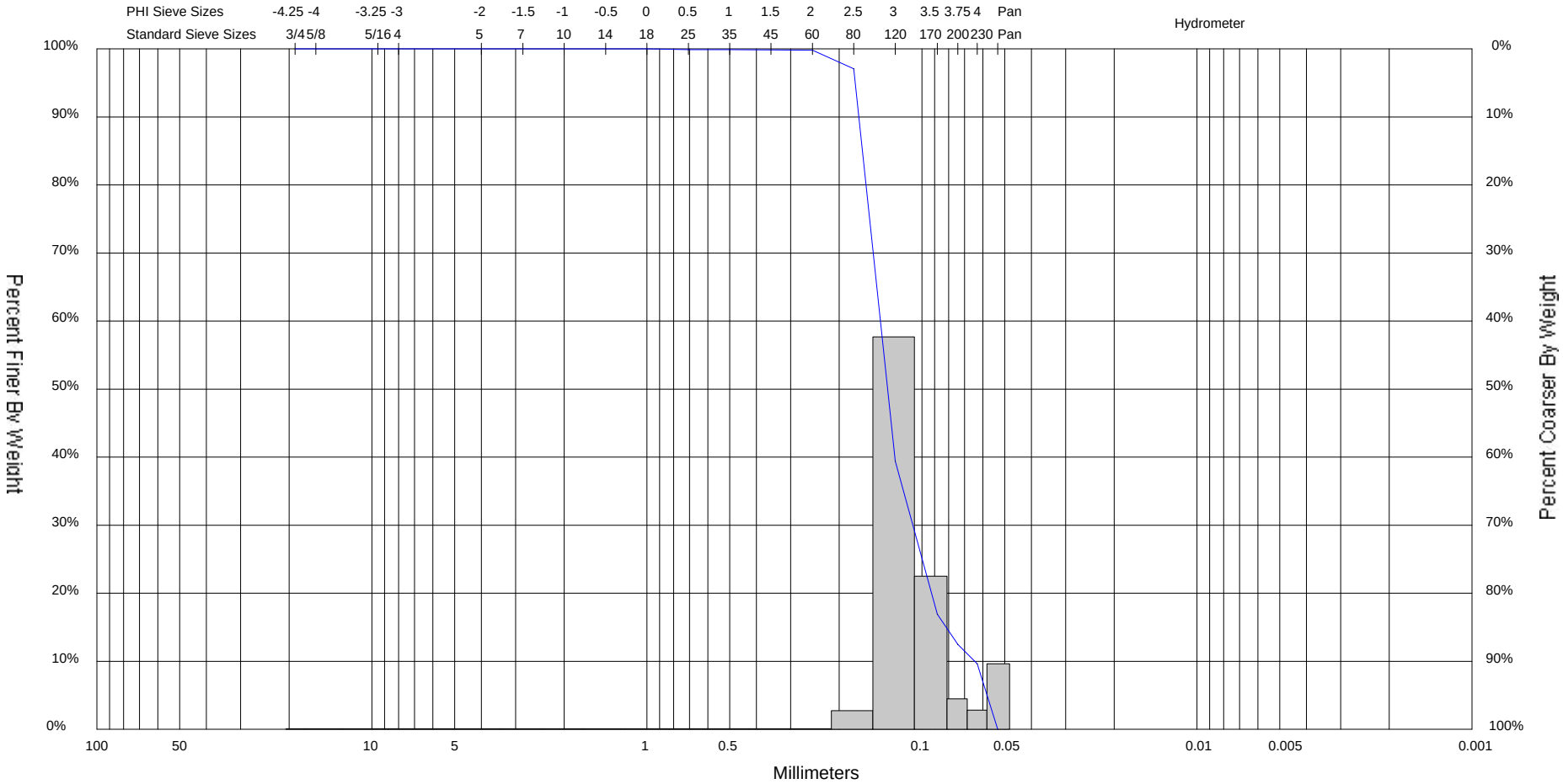
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-06 S#5 | | -50.4 | | SW-SM | 3.85 | 0.16 | 0.15 | 0.61 | 2.12 | 0.59 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863029 |
| Northing (Y): | 223563 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

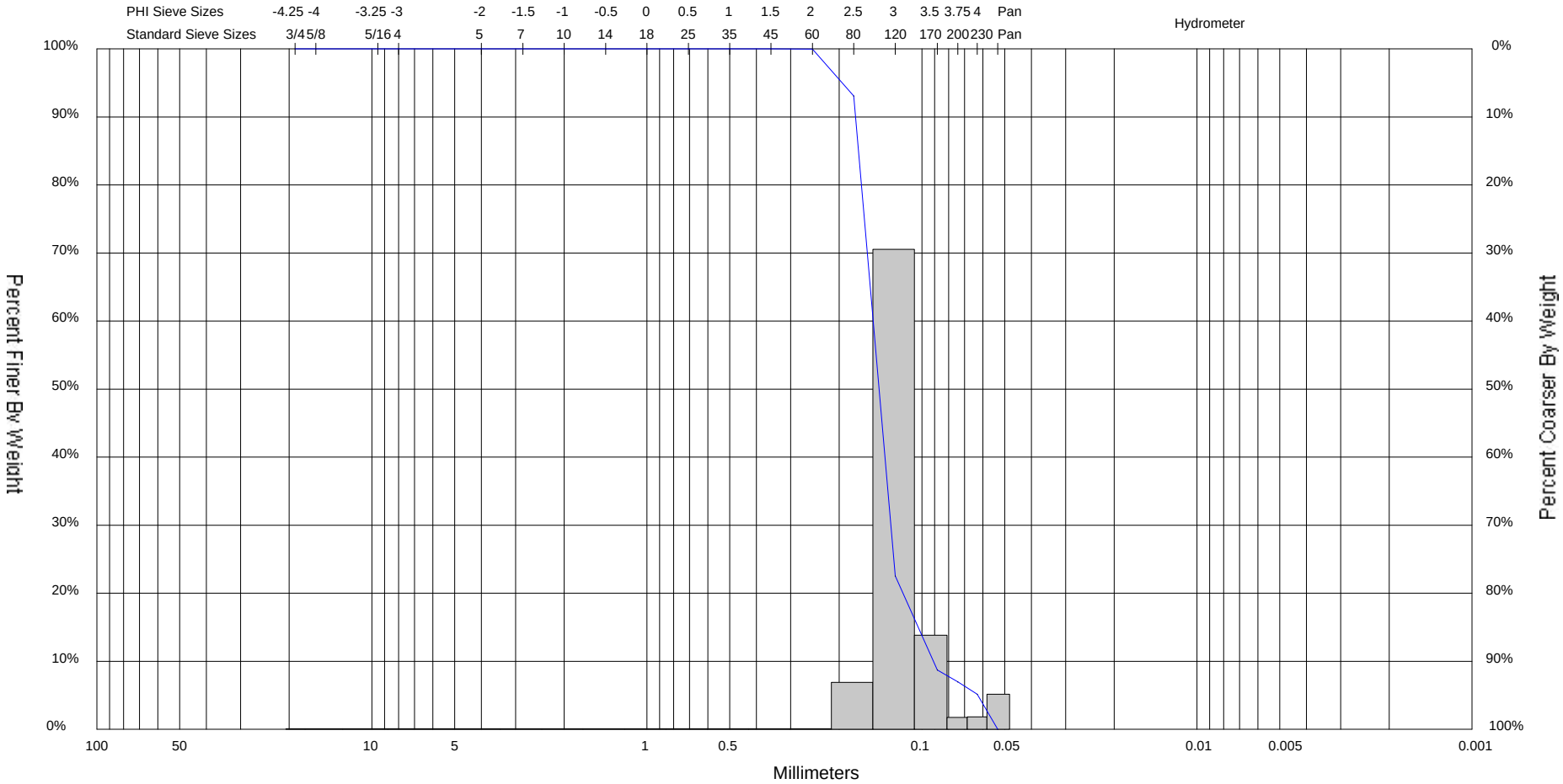
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-07 S#2 | | -38.1 | | SM | 9.64 | 0.13 | 0.12 | 0.62 | 1.84 | 0.59 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862989.25 |
| Northing (Y): | 221282 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

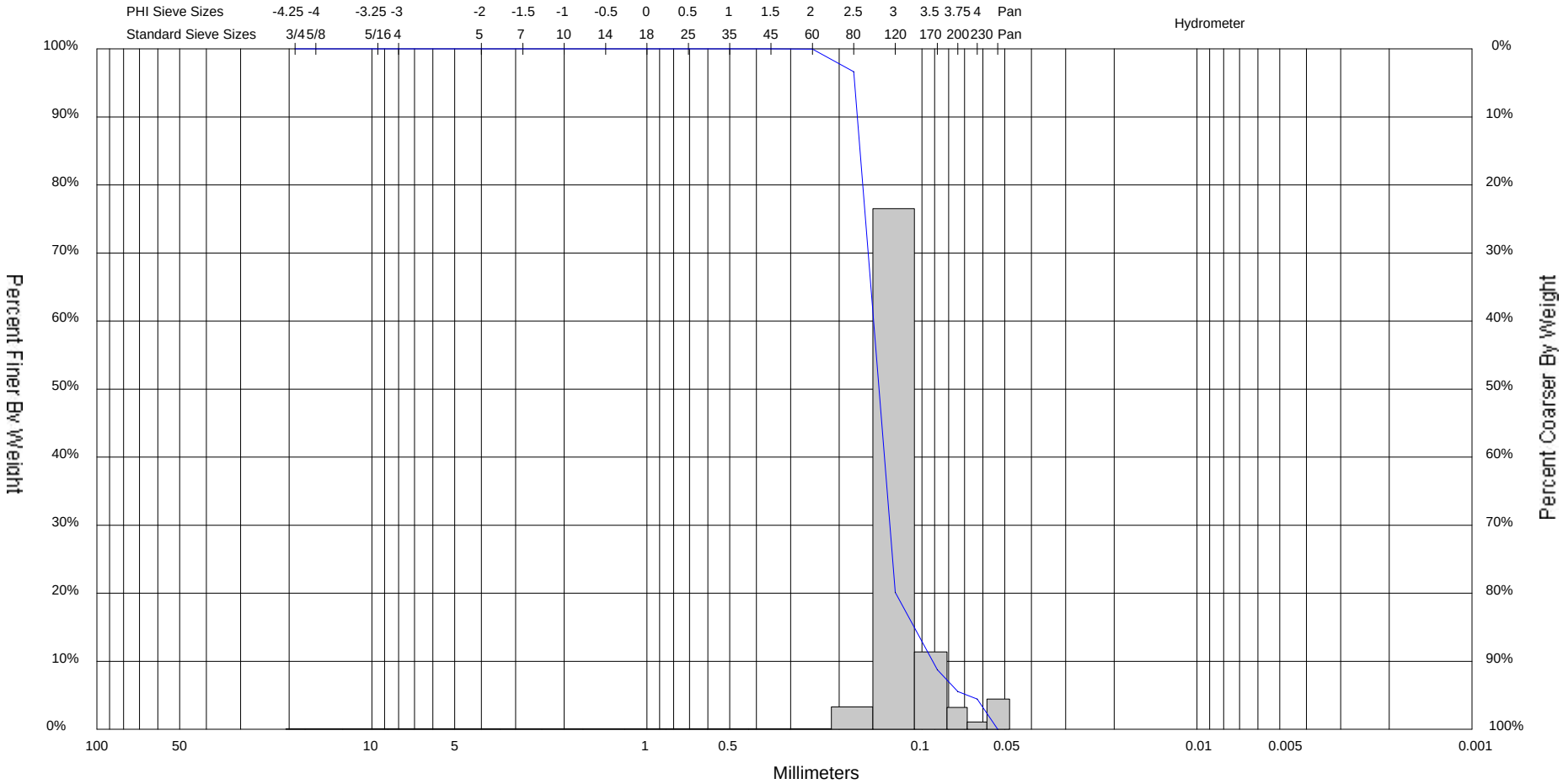
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-07 S#3 | | -42.1 | | SW-SM | 5.17 | 0.14 | 0.13 | 0.96 | 2.62 | 0.55 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862989.25 |
| Northing (Y): | 221282 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

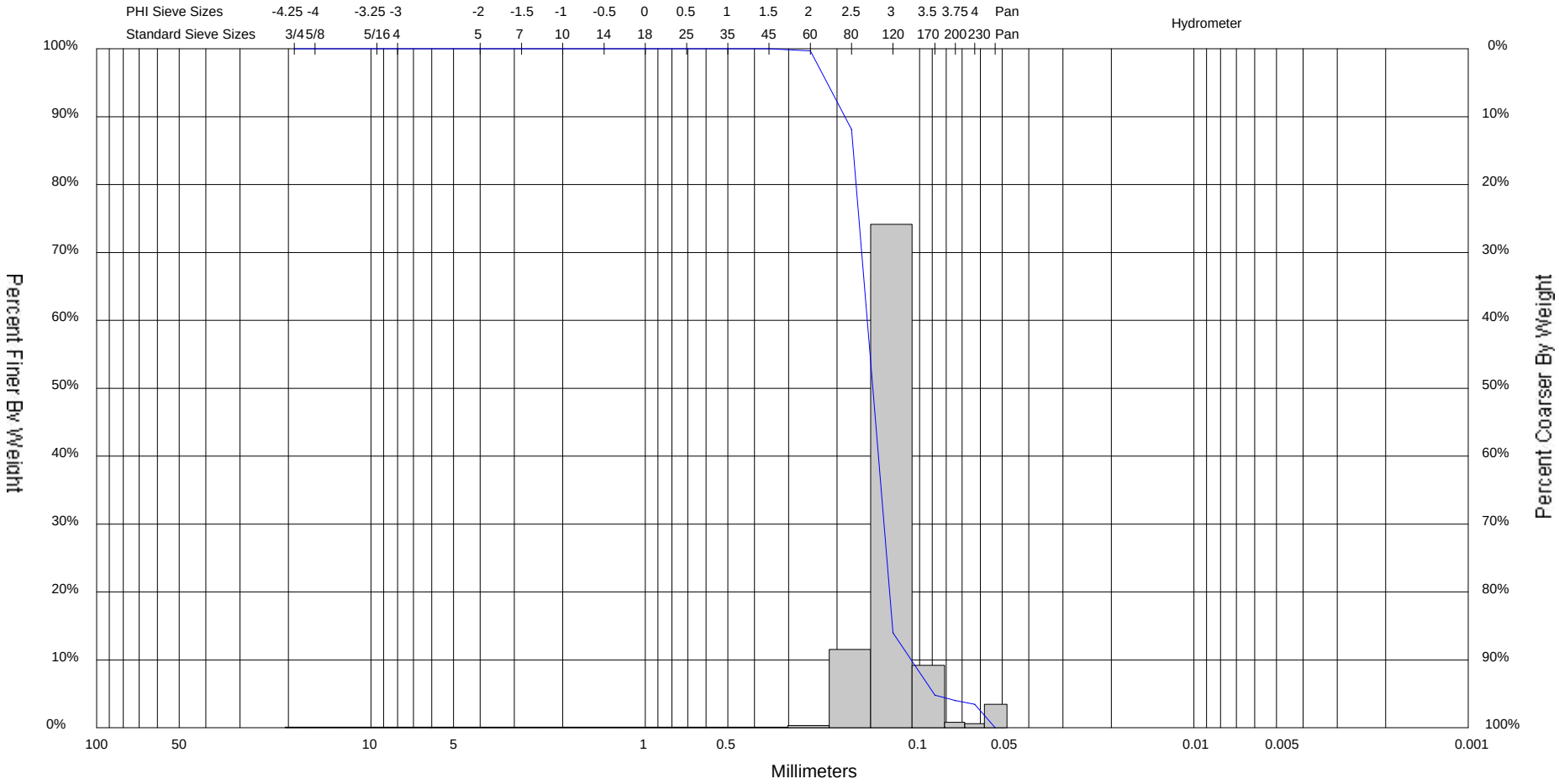
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-07 S#4 | | -45.1 | | SW-SM | 4.46 | 0.14 | 0.13 | 1.07 | 2.73 | 0.47 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862989.25 |
| Northing (Y): | 221282 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

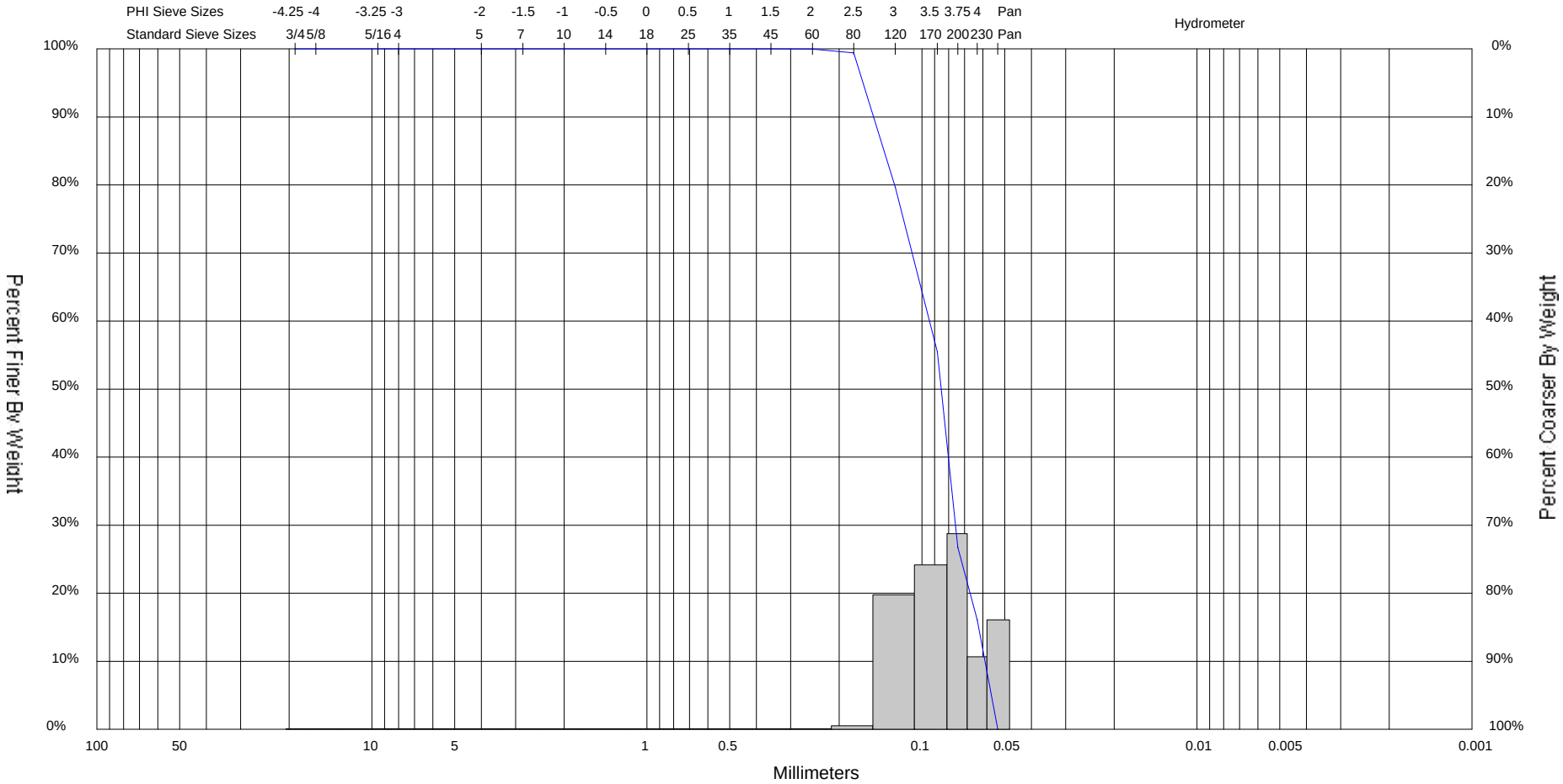
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-07 S#5 | | -50.1 | | SP | 3.44 | 0.15 | 0.15 | 0.36 | 2.22 | 0.41 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862989.25 |
| Northing (Y): | 221282 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

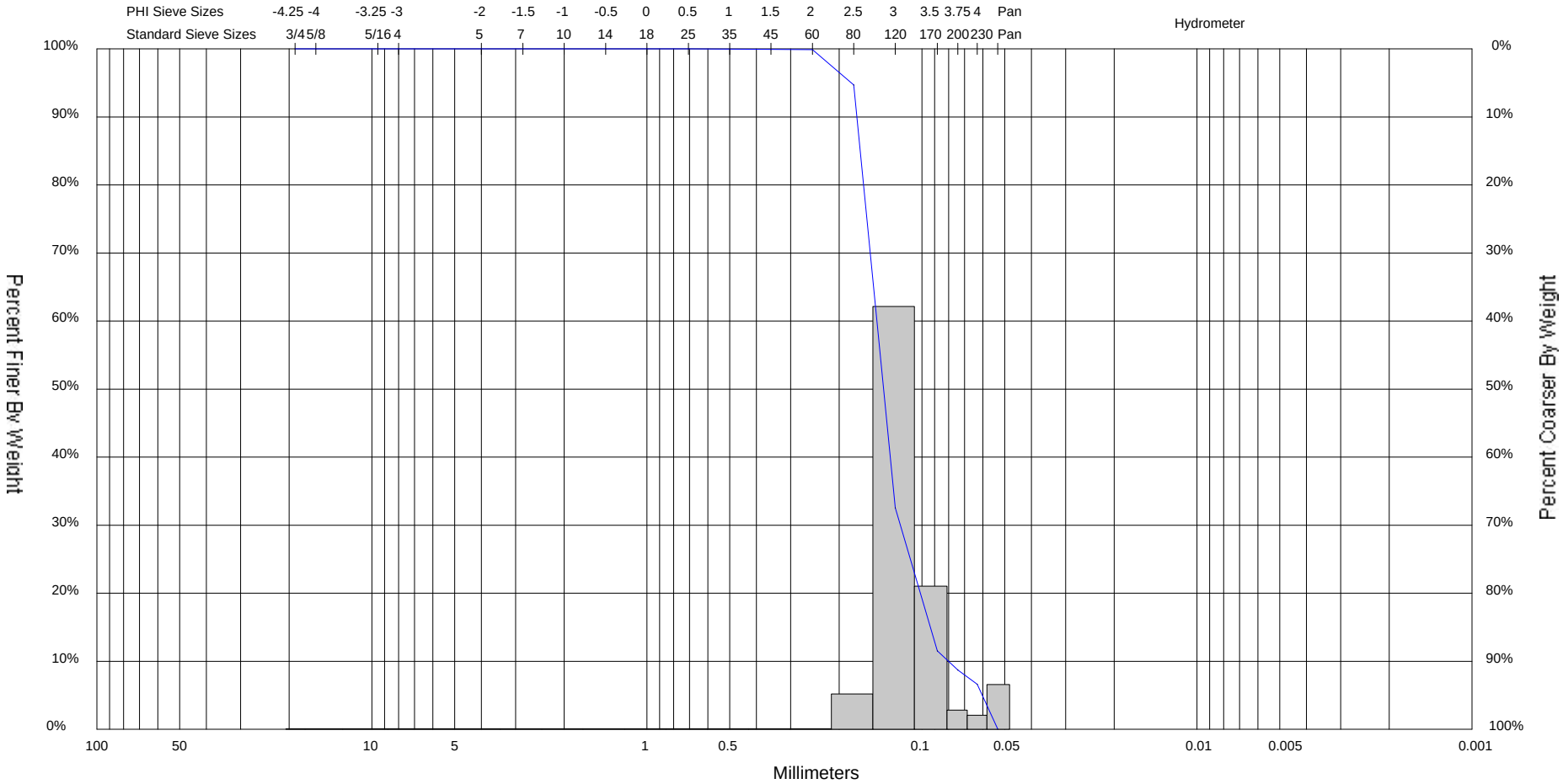
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-09 S#2 | | -41.3 | | SM | 16.09 | 0.09 | 0.09 | -0.15 | 1.34 | 0.59 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862565 |
| Northing (Y): | 224414 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

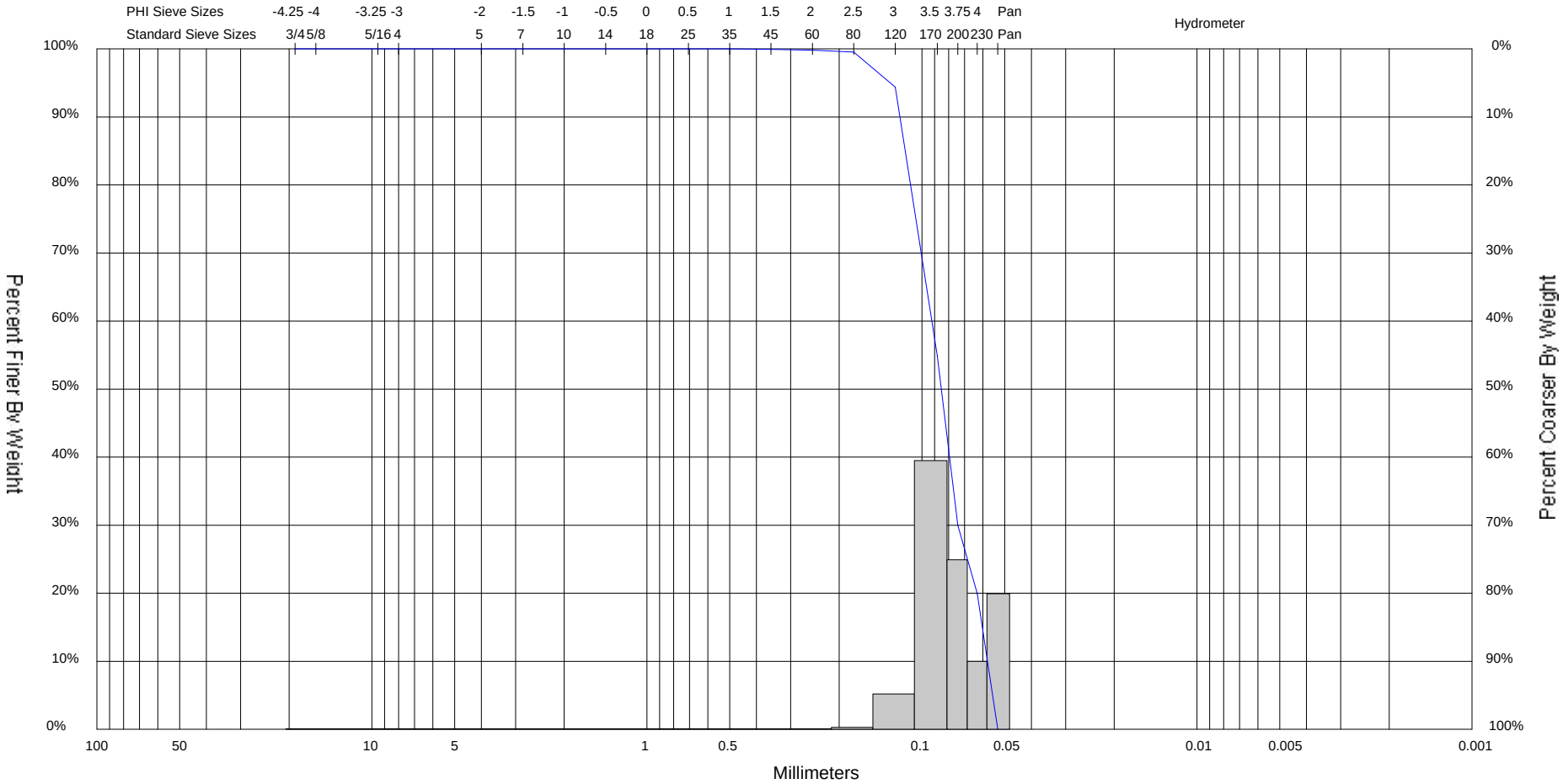
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-09 S#3 | | -44.8 | | SW-SM | 6.63 | 0.14 | 0.12 | 0.78 | 2.18 | 0.56 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862565 |
| Northing (Y): | 224414 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

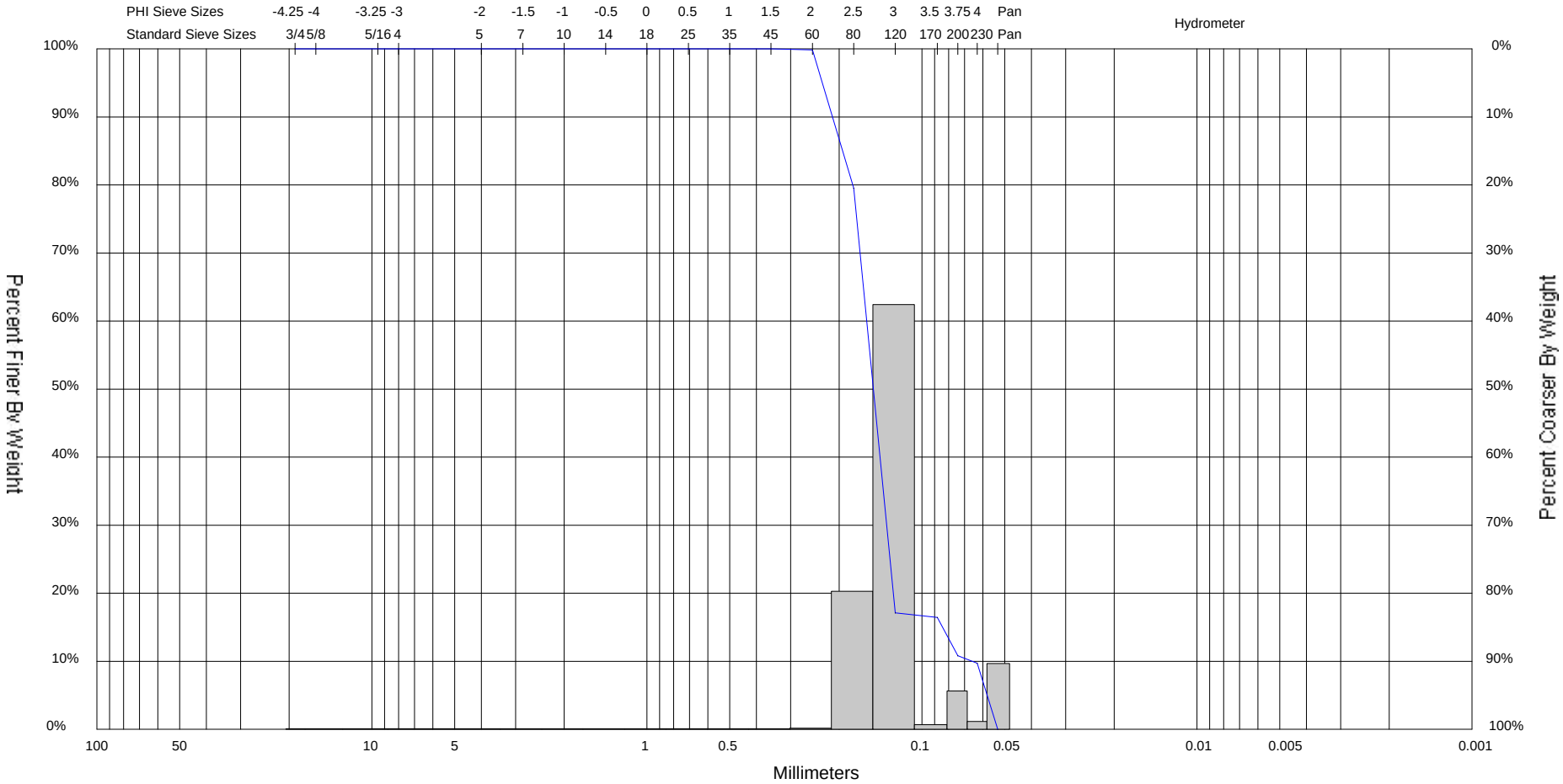
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-09 S#4 | | -46 | | SM | 19.97 | 0.09 | 0.08 | 0.02 | 1.27 | 0.48 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862566 |
| Northing (Y): | 224414 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

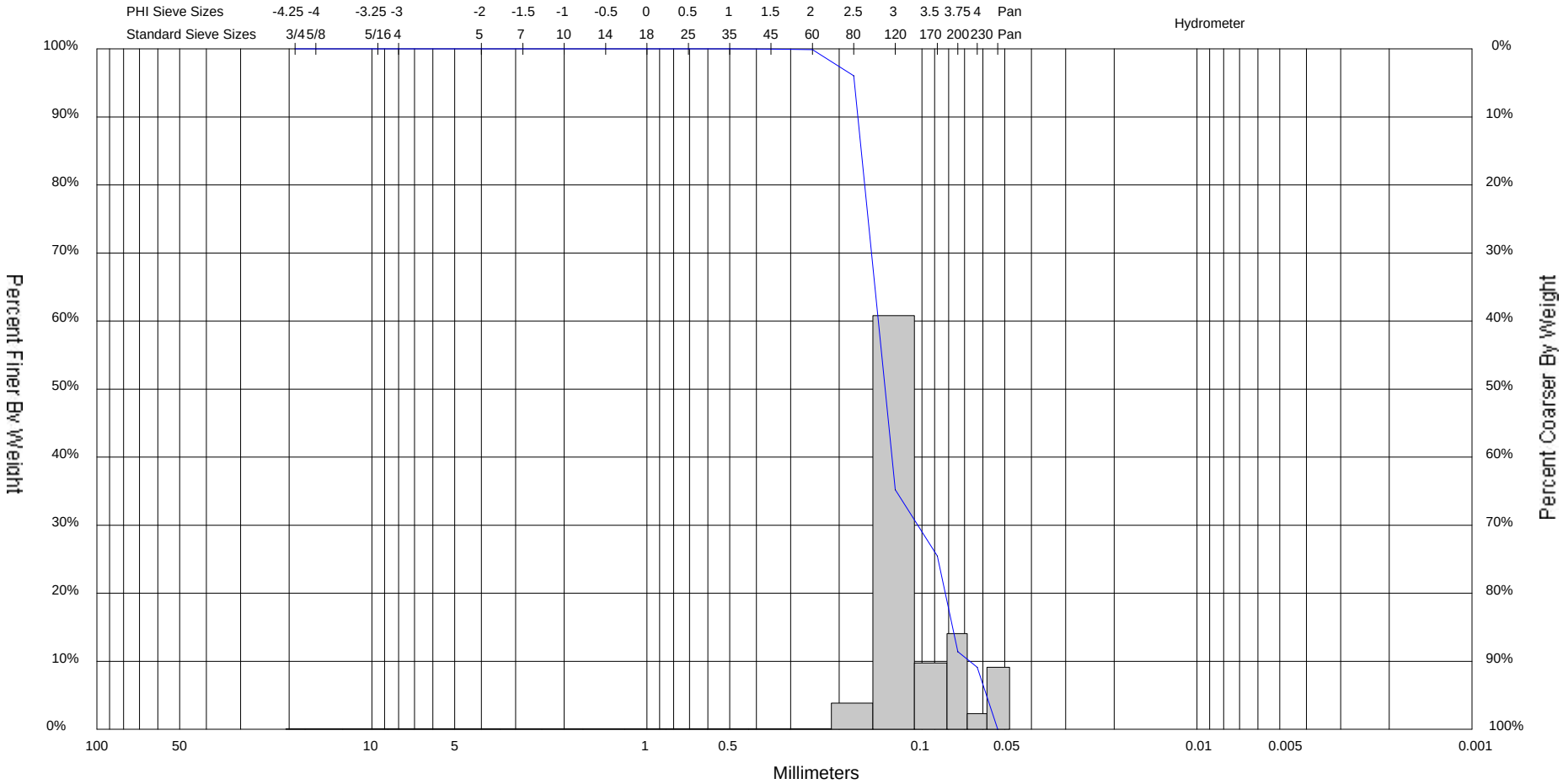
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-09 S#5 | | -47.8 | | SW-SM | 9.68 | 0.15 | 0.13 | 0.65 | 1.98 | 0.70 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862565 |
| Northing (Y): | 224414 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

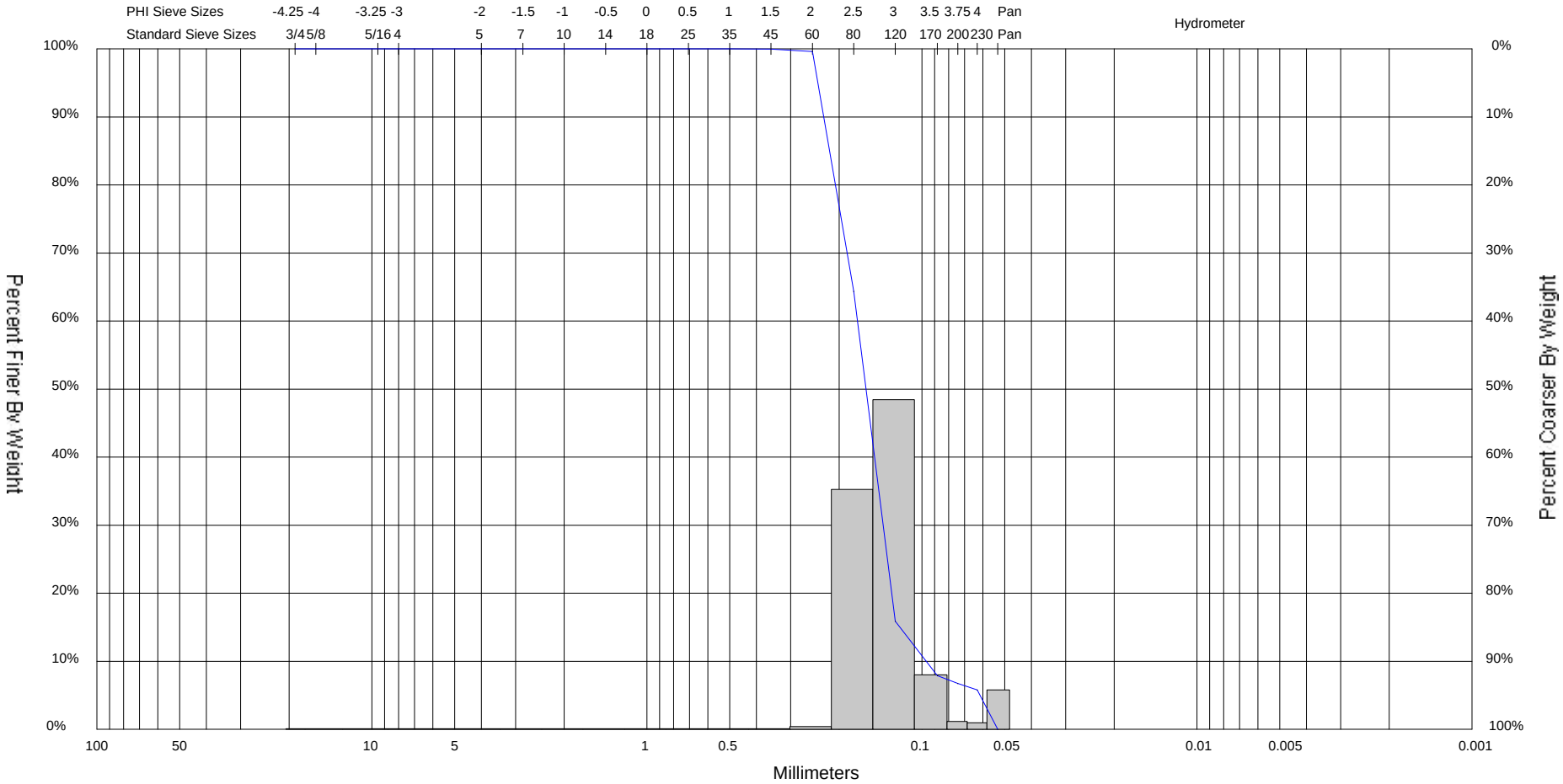
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-10 S#2 | | -37.8 | | SW-SM | 9.12 | 0.14 | 0.11 | 0.42 | 1.43 | 0.62 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863104 |
| Northing (Y): | 222927 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

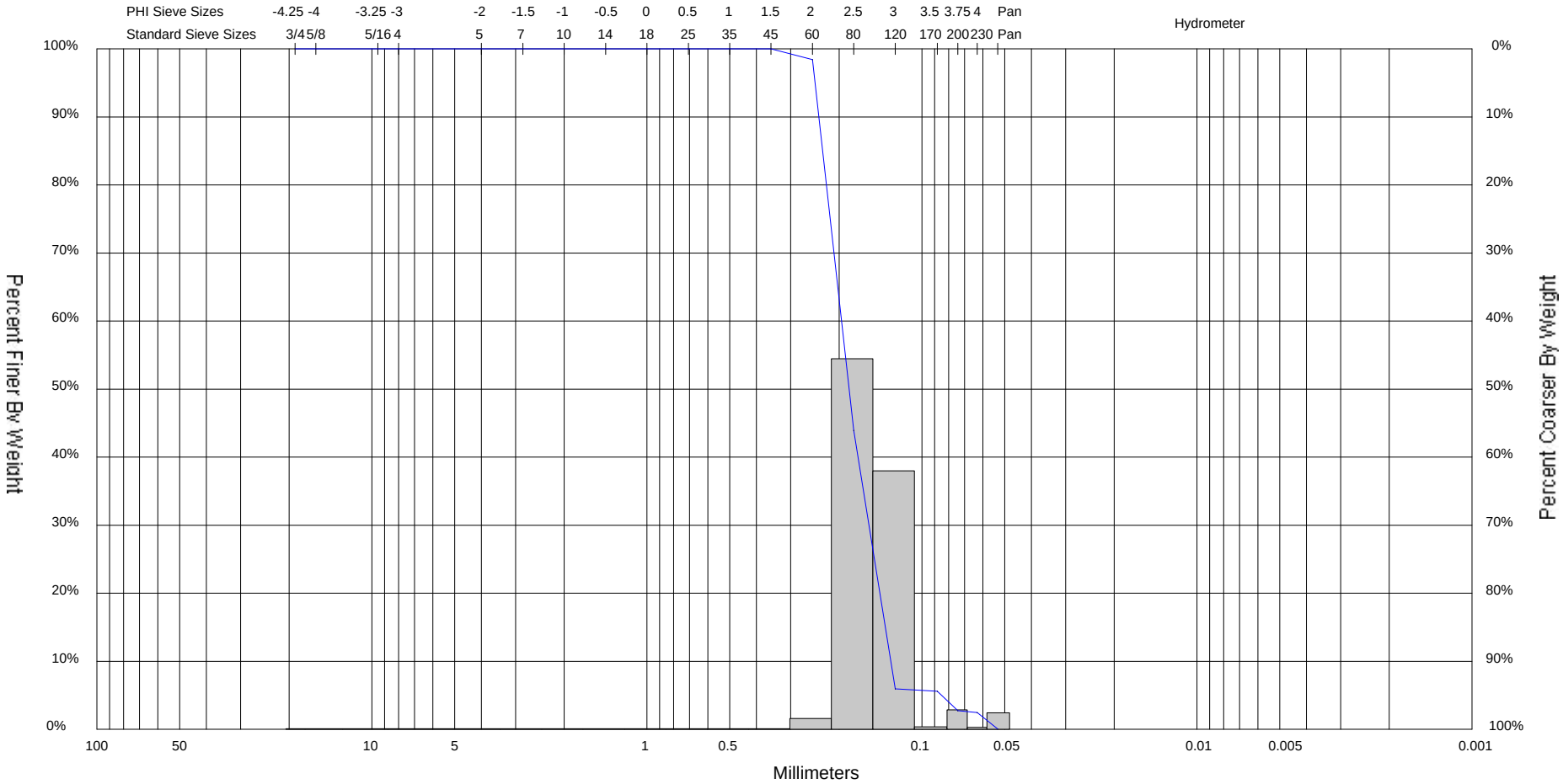
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-10 S#3 | | -42.8 | | SW-SM | 5.78 | 0.16 | 0.15 | 0.92 | 2.62 | 0.67 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863104 |
| Northing (Y): | 222927 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

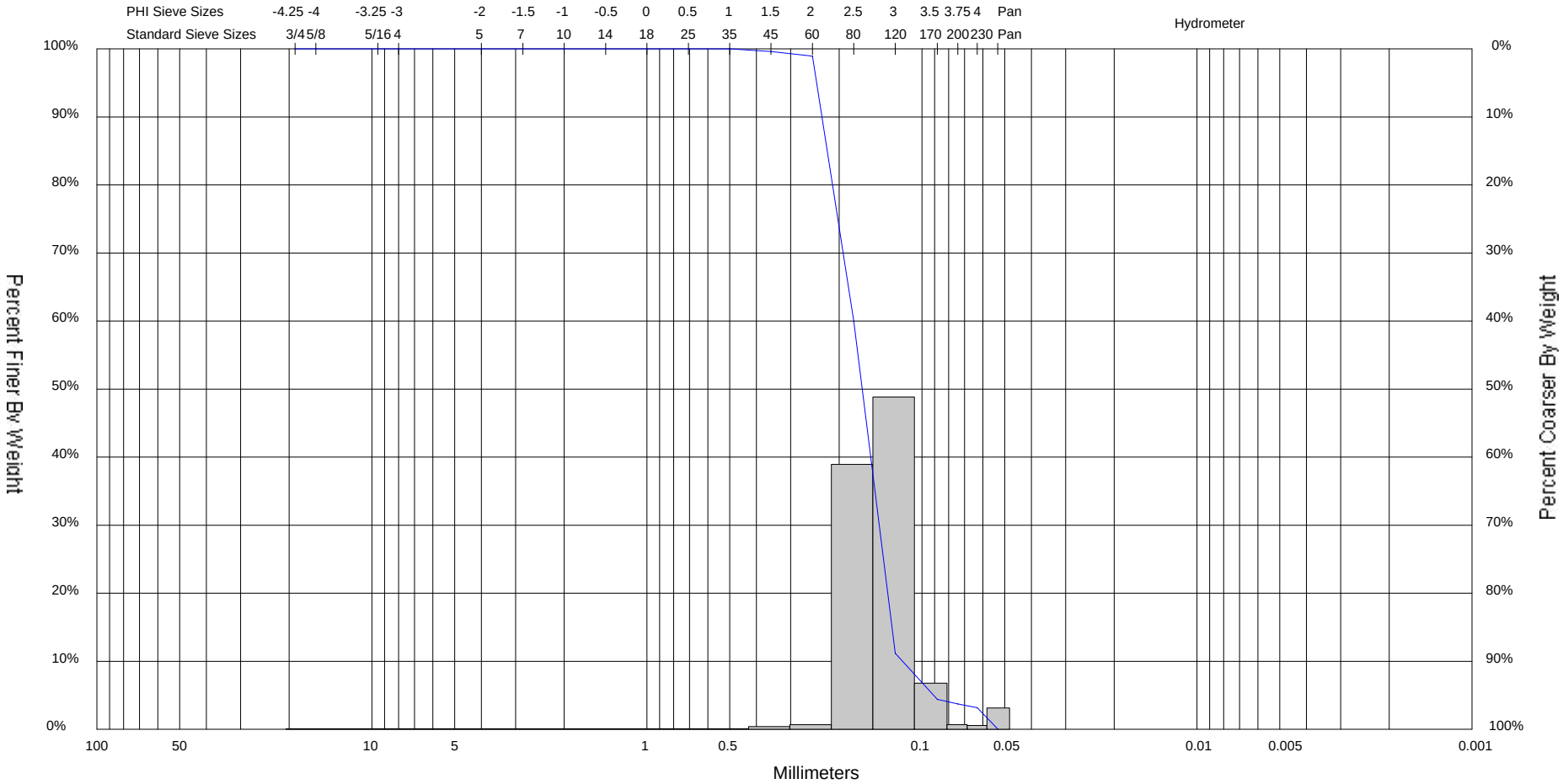
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-10 S#4 | | -48.8 | | SP | 2.44 | 0.18 | 0.17 | 0.76 | 2.21 | 0.53 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863104 |
| Northing (Y): | 222927 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

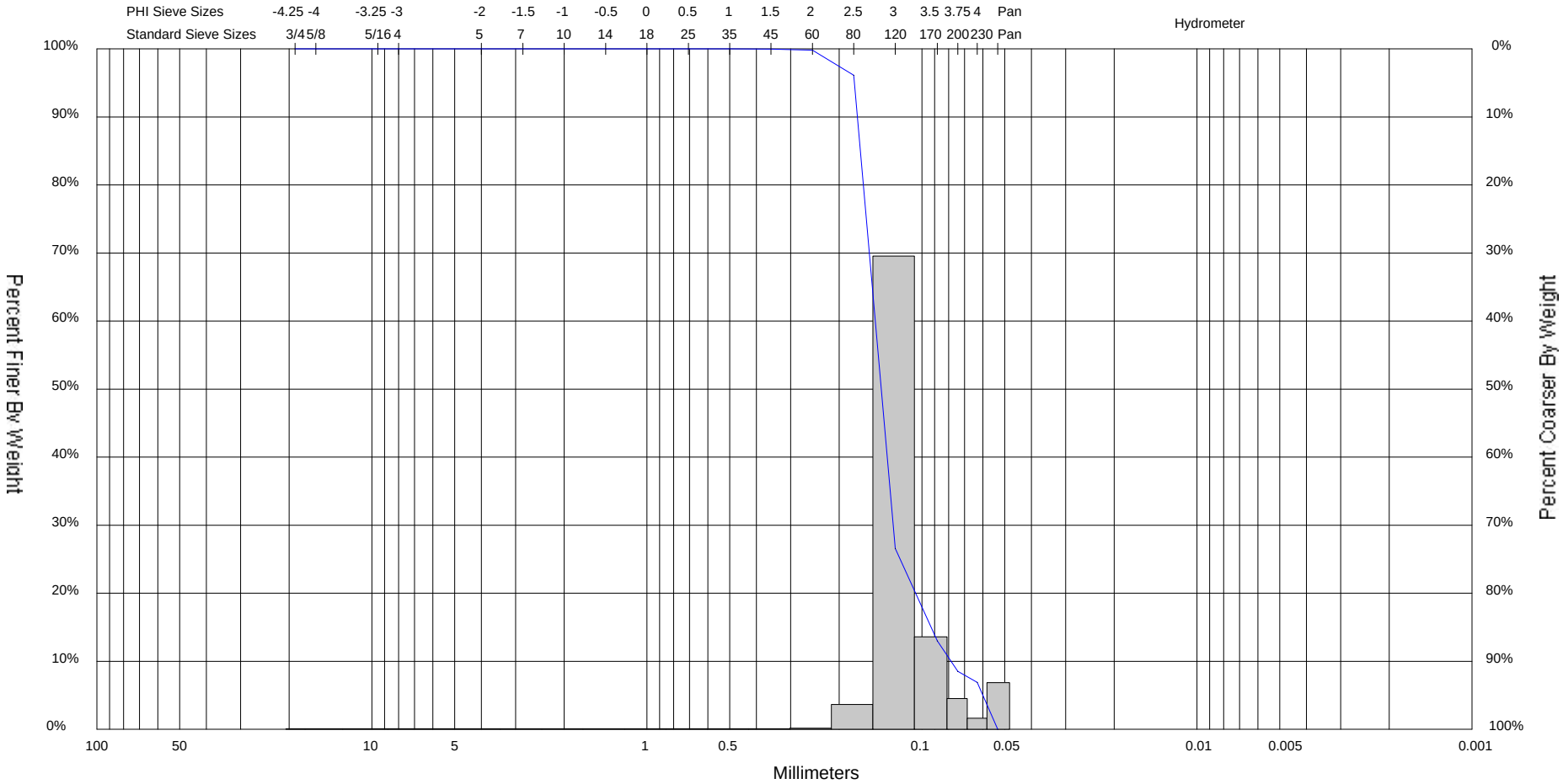
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-10 S#5 | | -51.8 | | SP | 3.15 | 0.16 | 0.16 | 0.40 | 1.77 | 0.49 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863104 |
| Northing (Y): | 222927 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

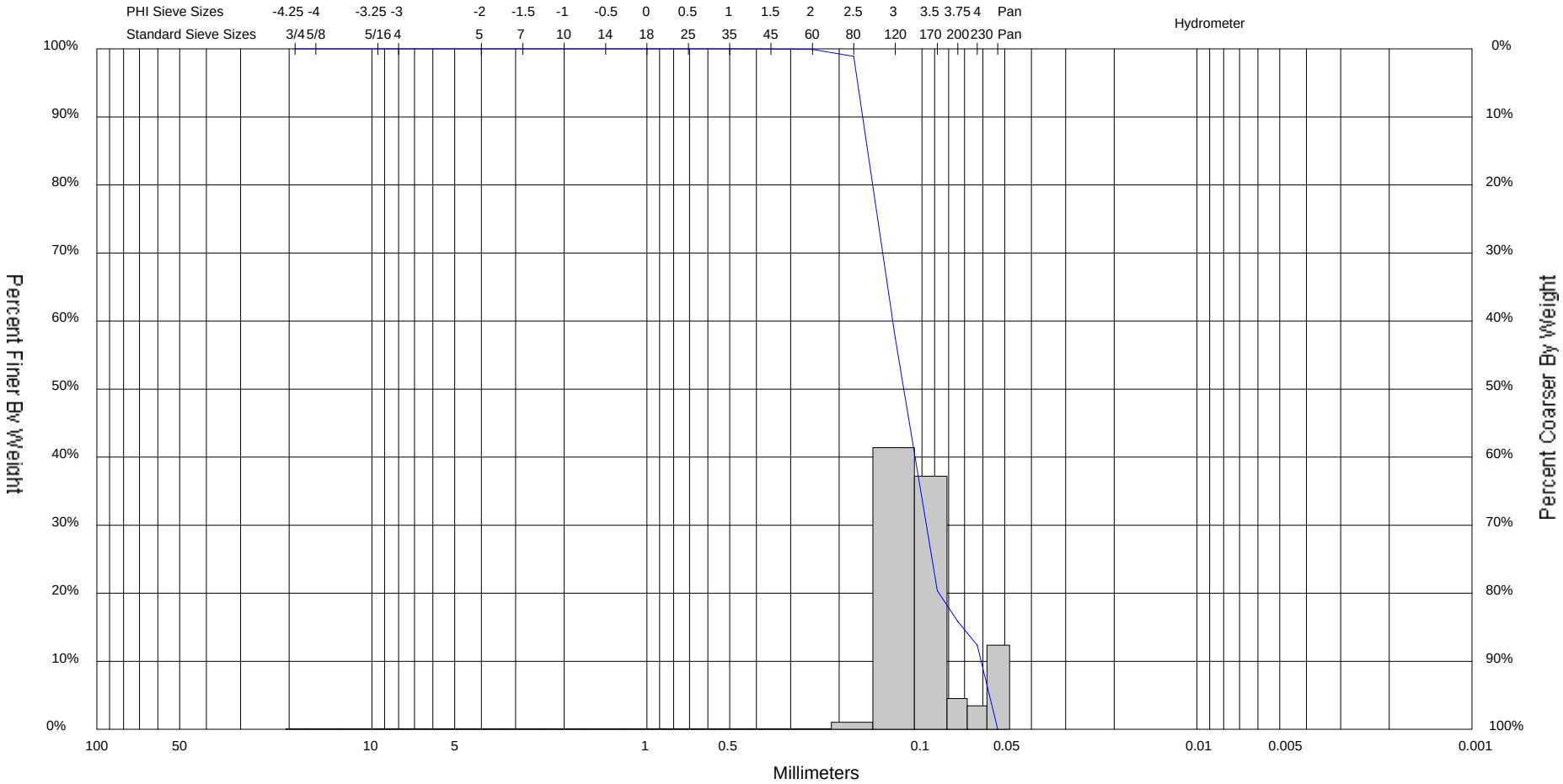
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-11 S#2 | | -41.7 | | SW-SM | 6.87 | 0.14 | 0.12 | 0.94 | 2.39 | 0.56 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862780 |
| Northing (Y): | 221972 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

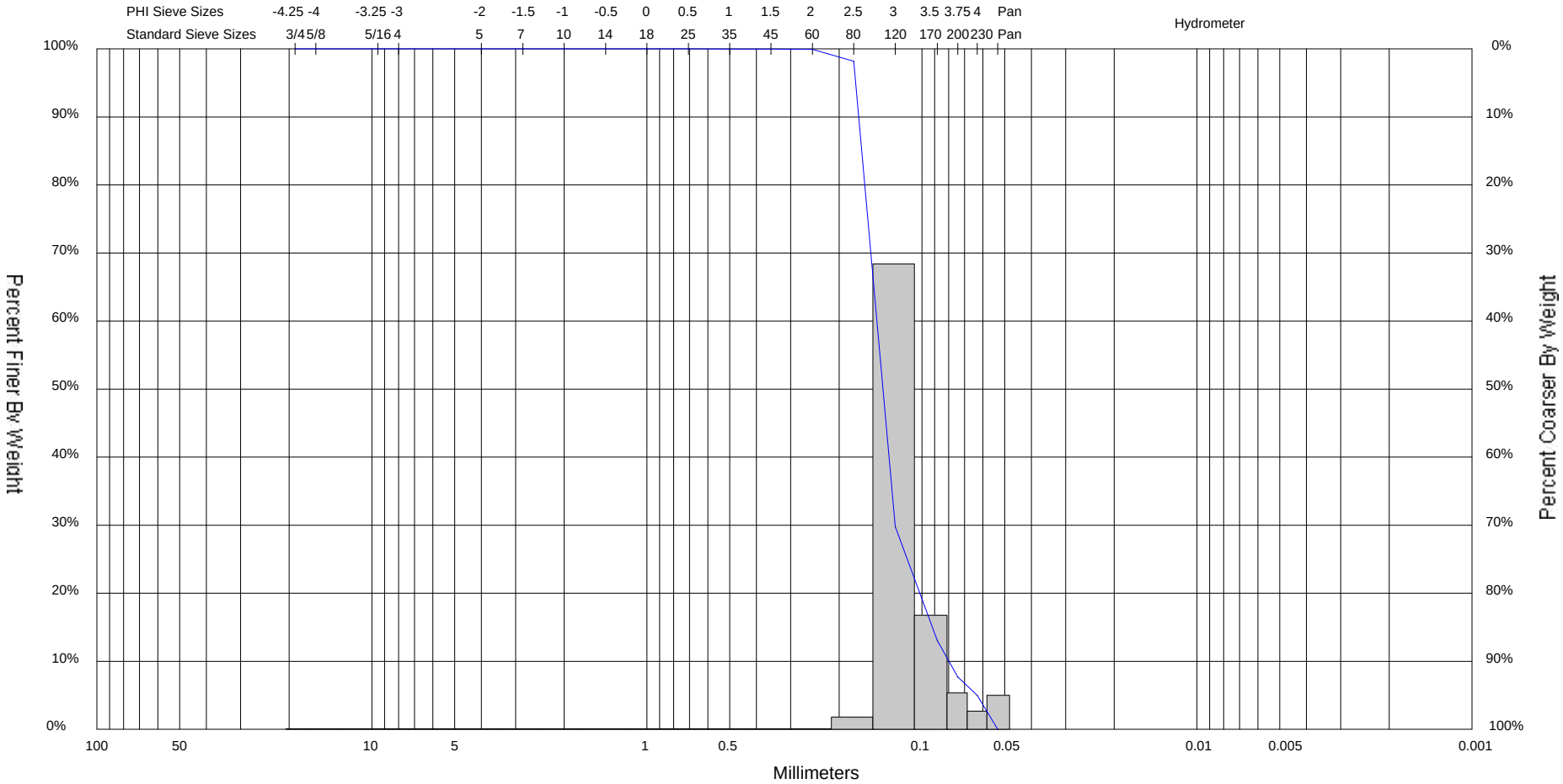
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-11 S#3 | | -46.7 | | SM | 12.37 | 0.12 | 0.11 | 0.39 | 1.55 | 0.60 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862780 |
| Northing (Y): | 221972 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

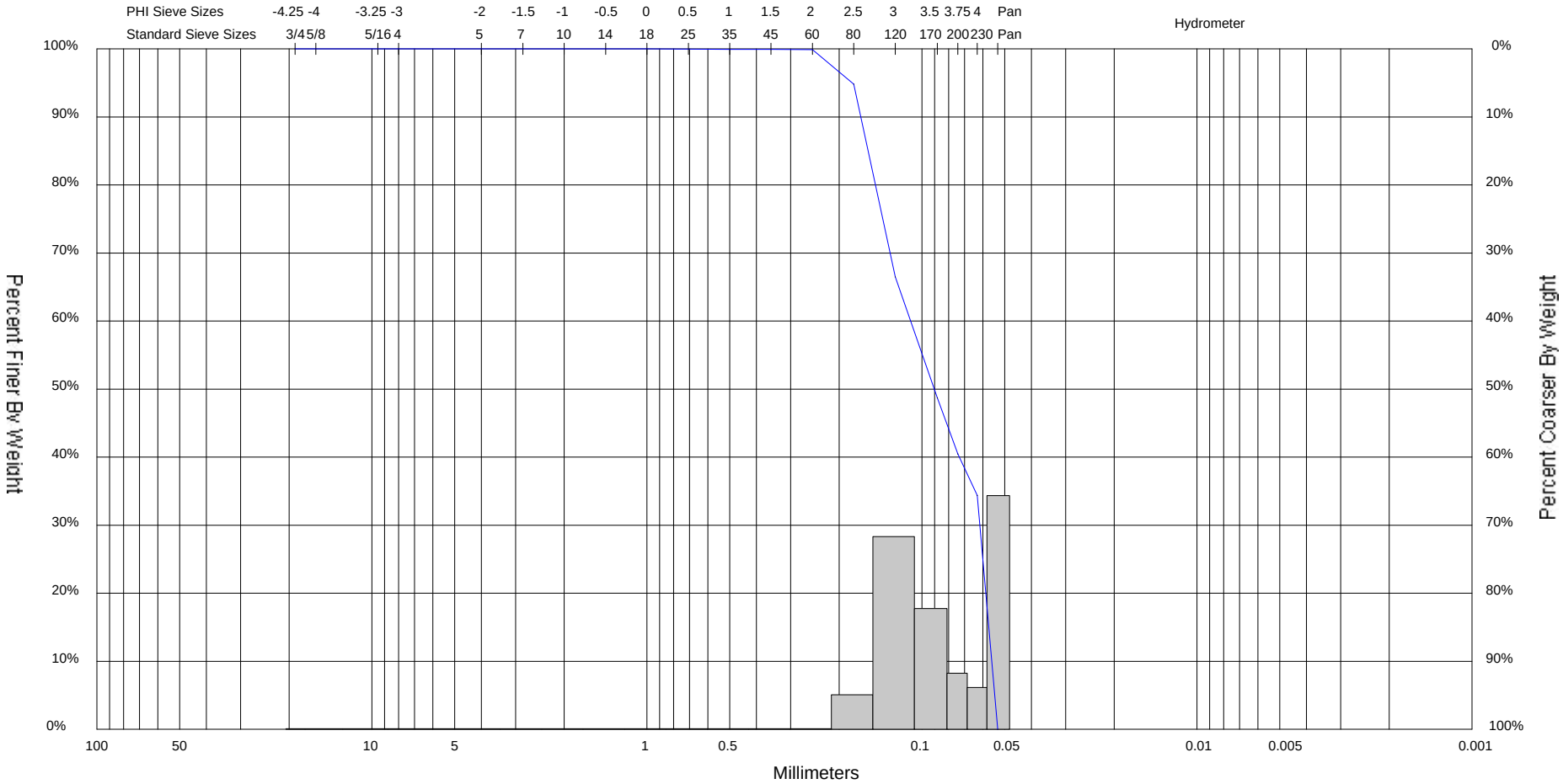
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-11 S#4 | | -52.3 | | SW-SM | 4.99 | 0.14 | 0.12 | 0.79 | 2.13 | 0.53 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862780 |
| Northing (Y): | 221972 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

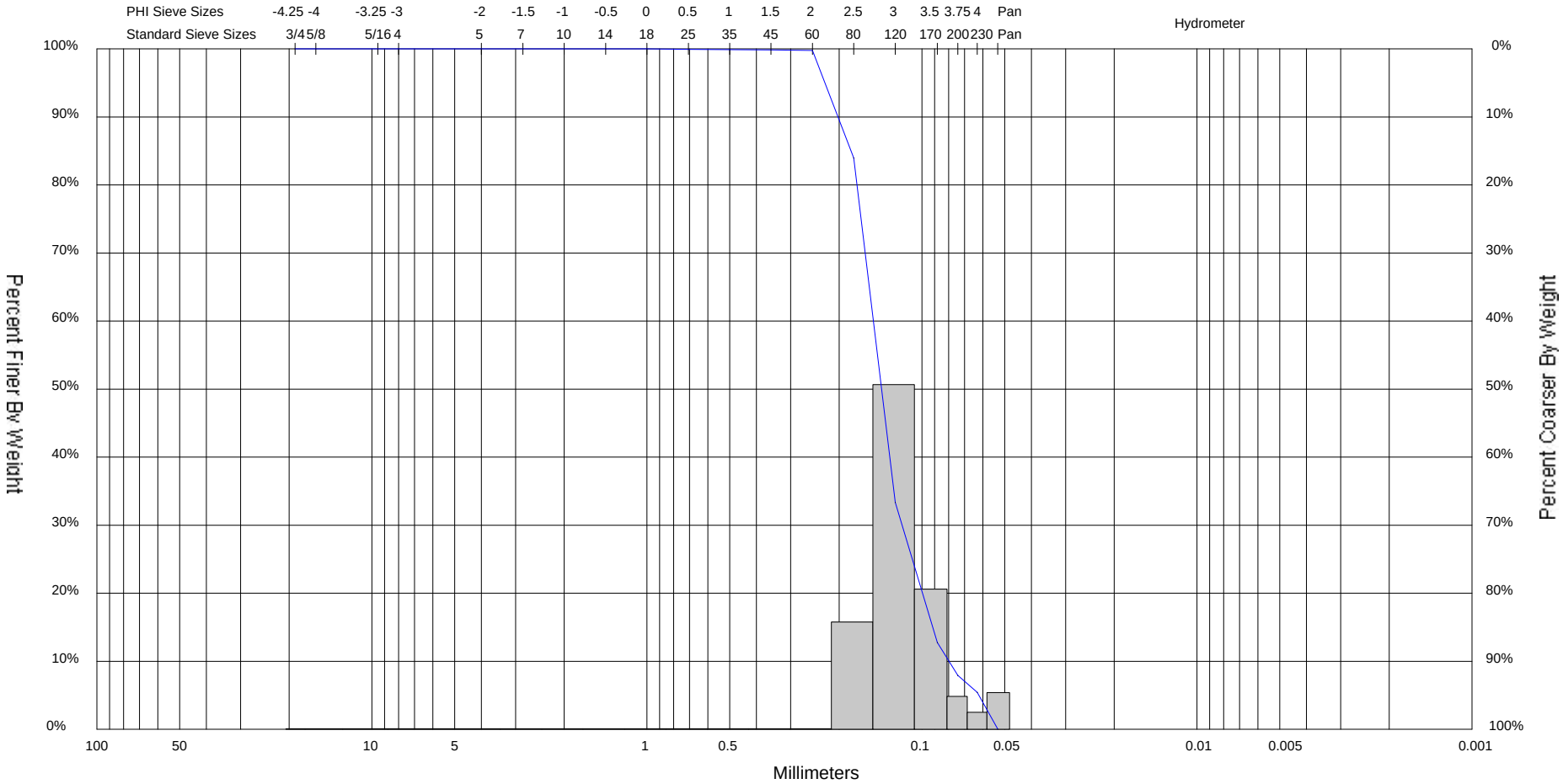
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-16 S#2 | | -38.3 | | SM | 34.37 | 0.09 | 0.09 | -0.09 | 1.10 | 0.74 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 6/7/03 |
| Analyzed By: | ID |
| Easting (X): | 3855695 |
| Northing (Y): | 231398 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

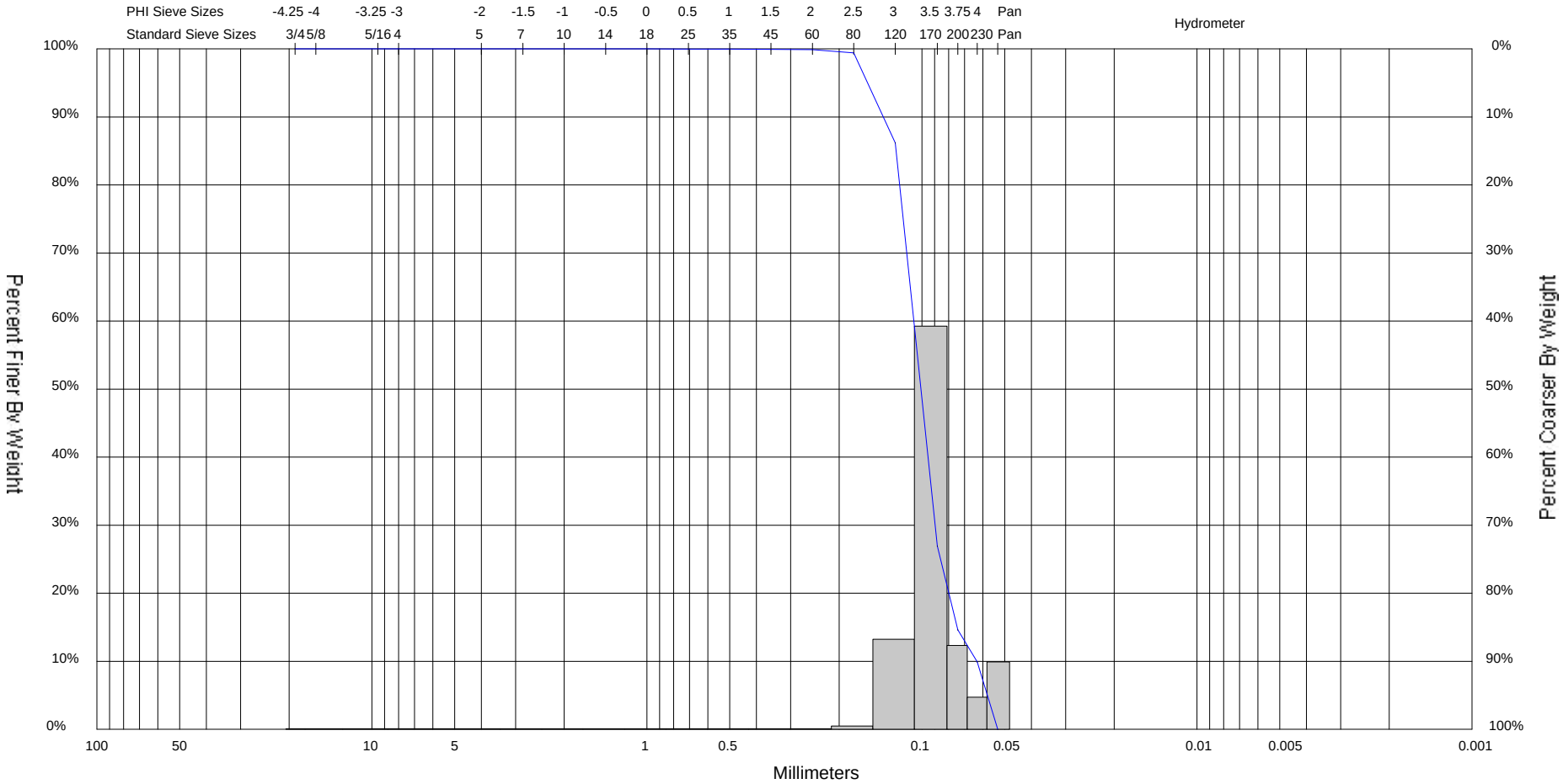
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-16 S#3 | | -40.8 | | SW-SM | 5.41 | 0.14 | 0.13 | 0.41 | 1.85 | 0.63 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855695 |
| Northing (Y): | 231398 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

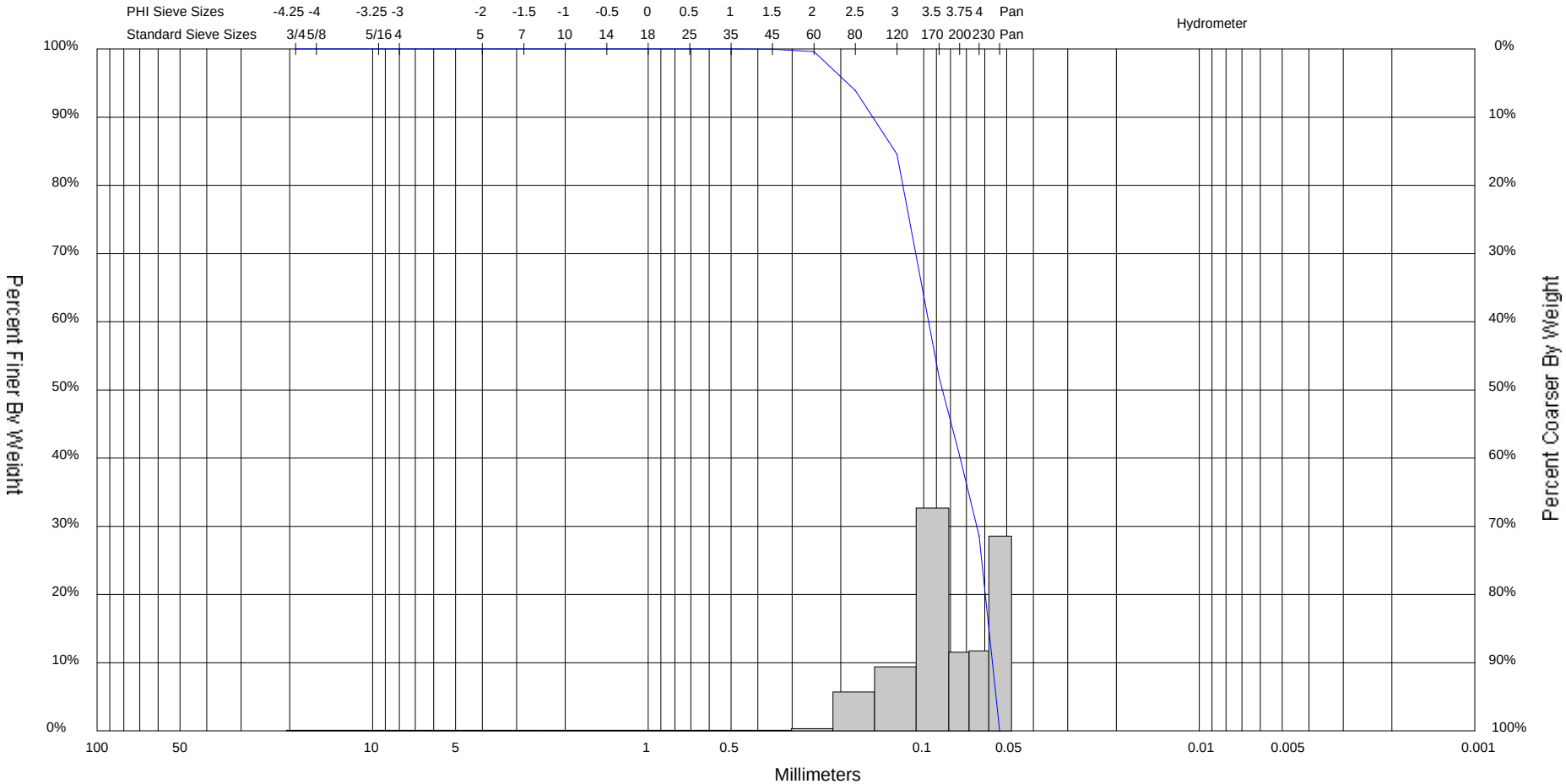
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-16 S#4 | | -46.3 | | SM | 9.91 | 0.10 | 0.10 | 0.20 | 1.83 | 0.49 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855695 |
| Northing (Y): | 231398 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

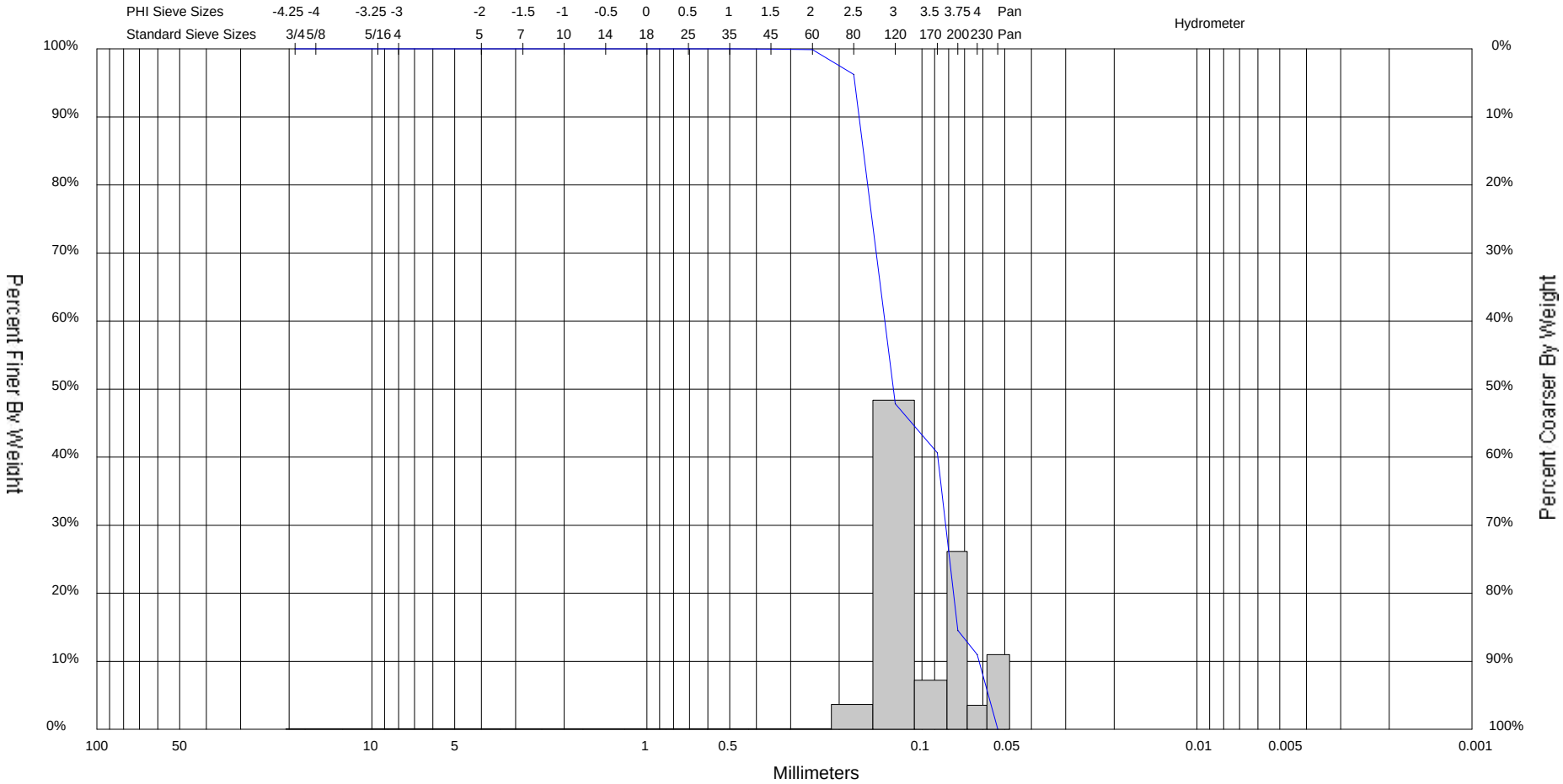
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-16 S#5 | | -49.4 | | SM | 28.58 | 0.09 | 0.09 | -0.37 | 1.59 | 0.67 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855695 |
| Northing (Y): | 231398 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

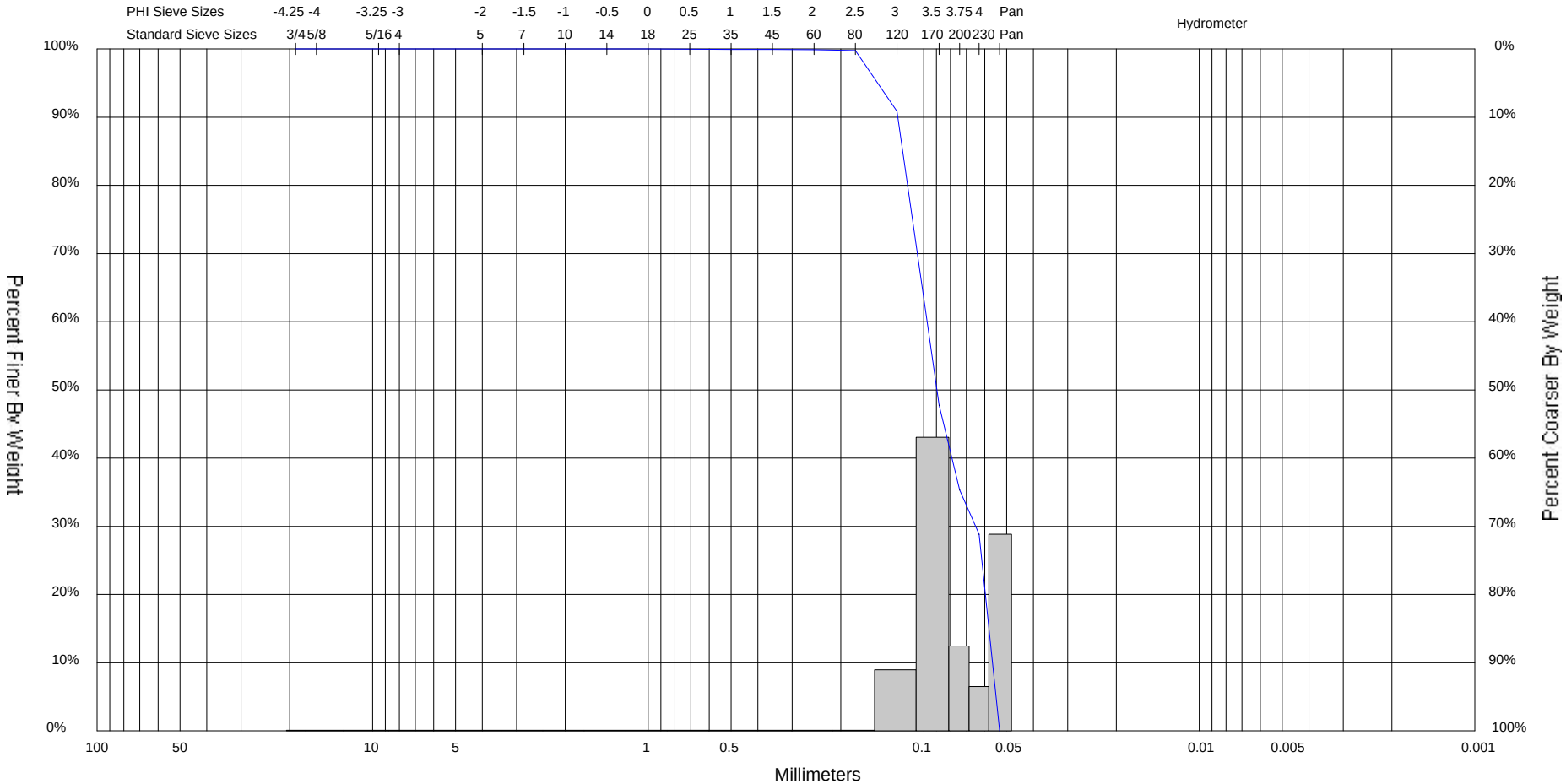
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-16 S#6 | | -52.1 | | SM | 10.98 | 0.13 | 0.11 | 0.30 | 1.29 | 0.64 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855694 |
| Northing (Y): | 231397 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

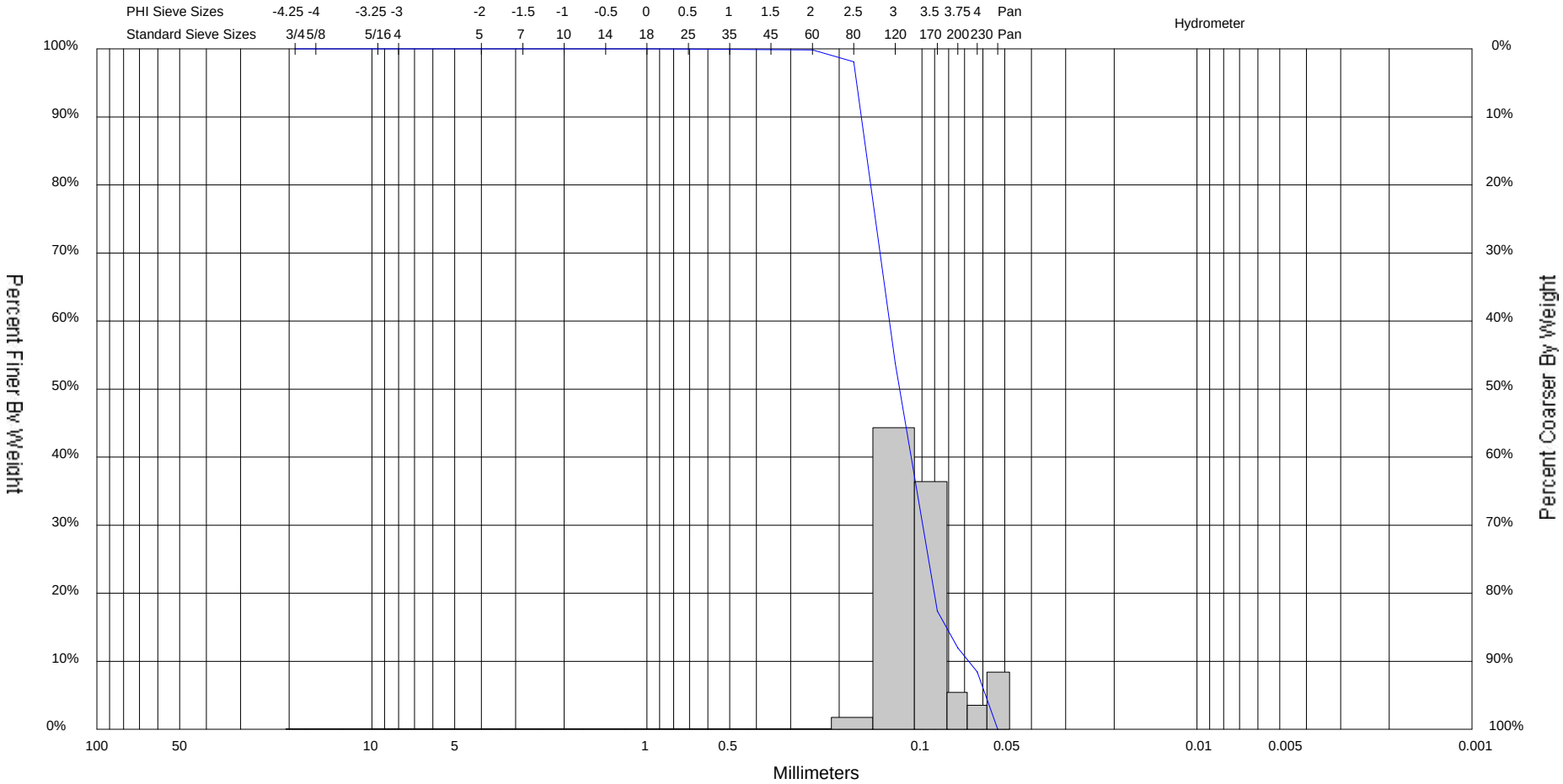
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-17 S#5 | | -41.4 | | SM | 28.85 | 0.09 | 0.09 | -0.06 | 1.23 | 0.57 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 6/7/03 |
| Analyzed By: | ID |
| Easting (X): | 3855693 |
| Northing (Y): | 231933 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

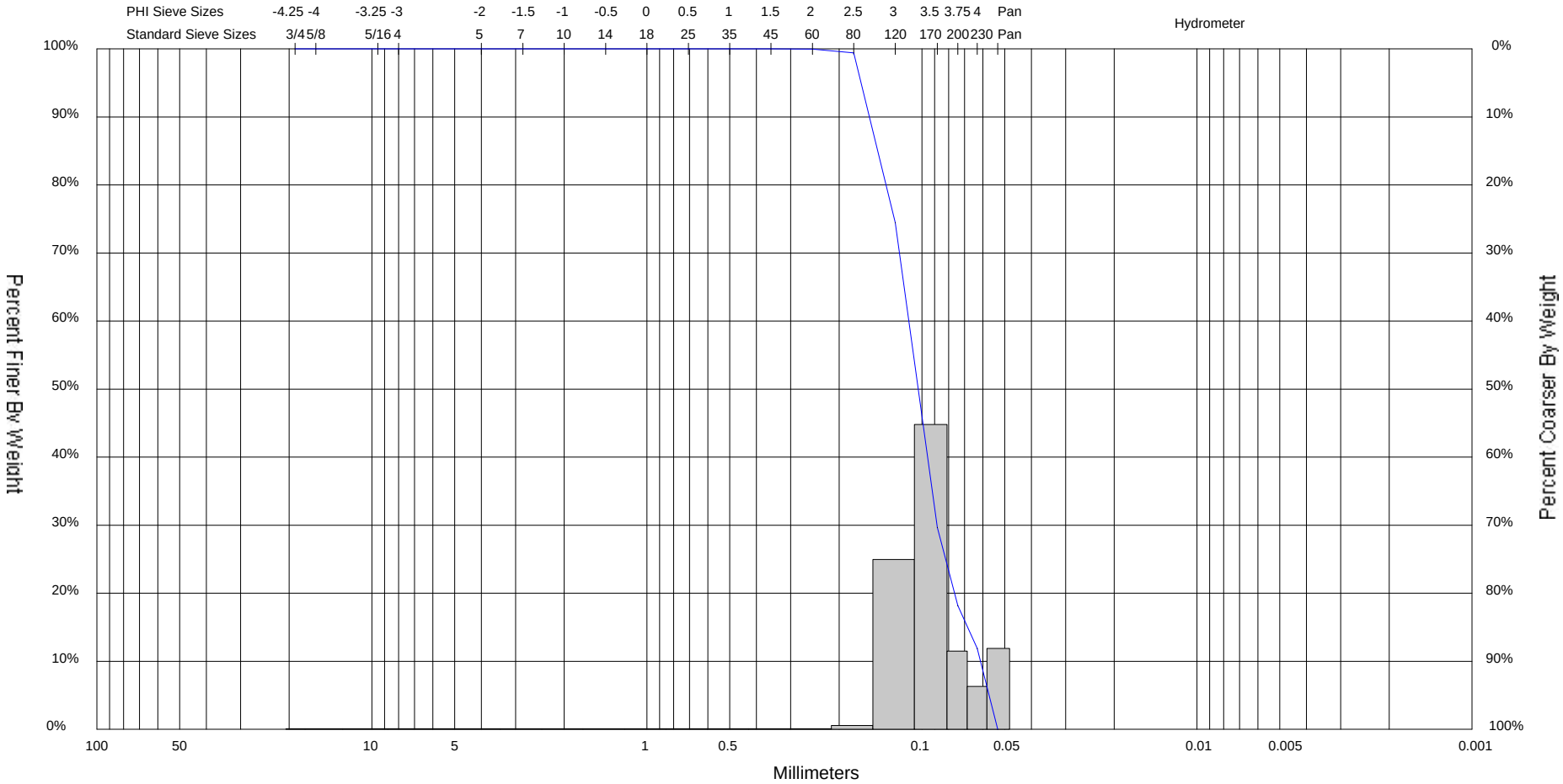
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-17 S#6 | | -48.1 | | SW-SM | 8.43 | 0.12 | 0.11 | 0.48 | 1.75 | 0.57 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855693 |
| Northing (Y): | 231933 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

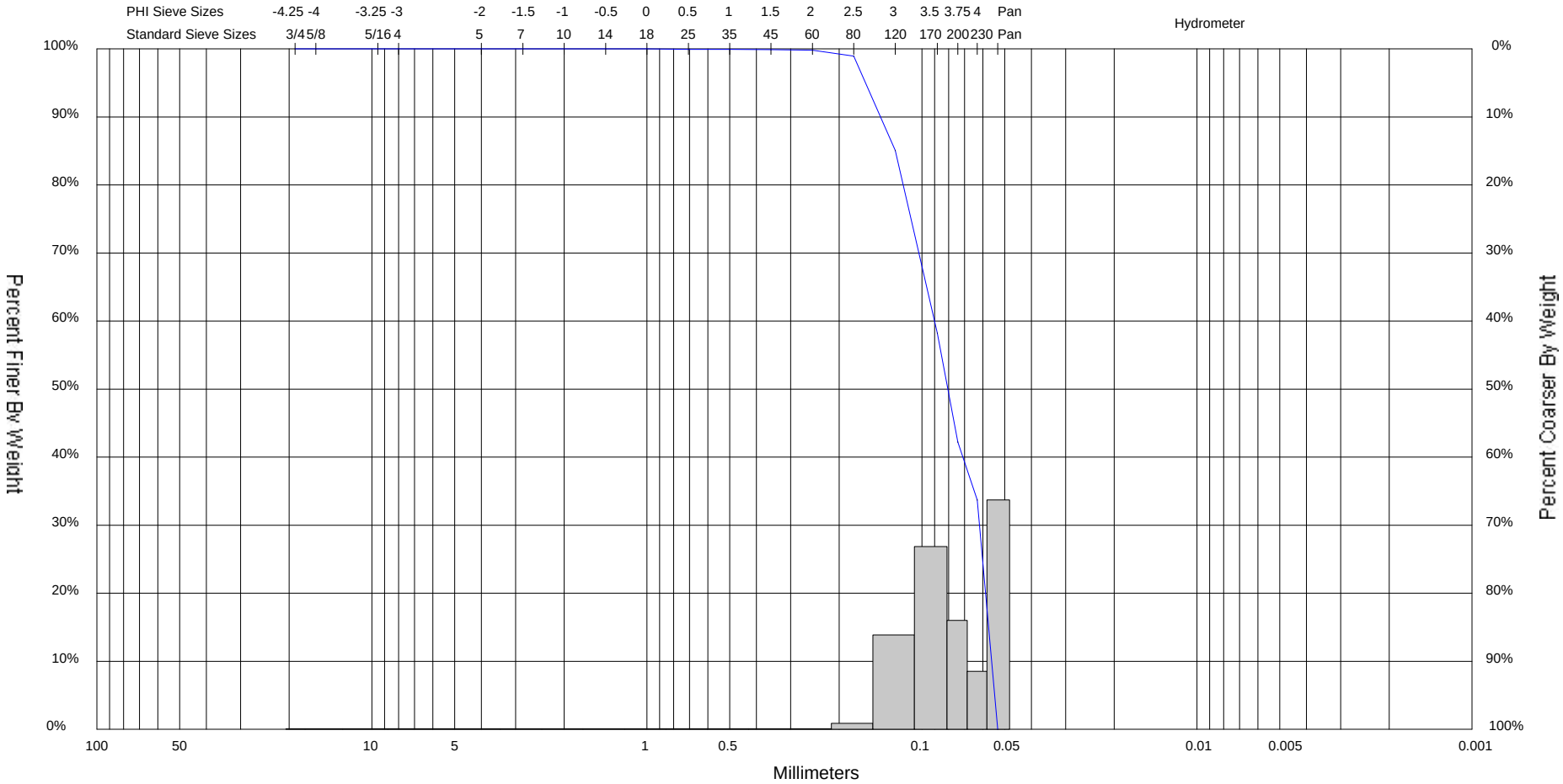
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-17a S#7 | | -53.1 | | SM | 11.88 | 0.10 | 0.10 | 0.14 | 1.45 | 0.57 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855717 |
| Northing (Y): | 231940 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

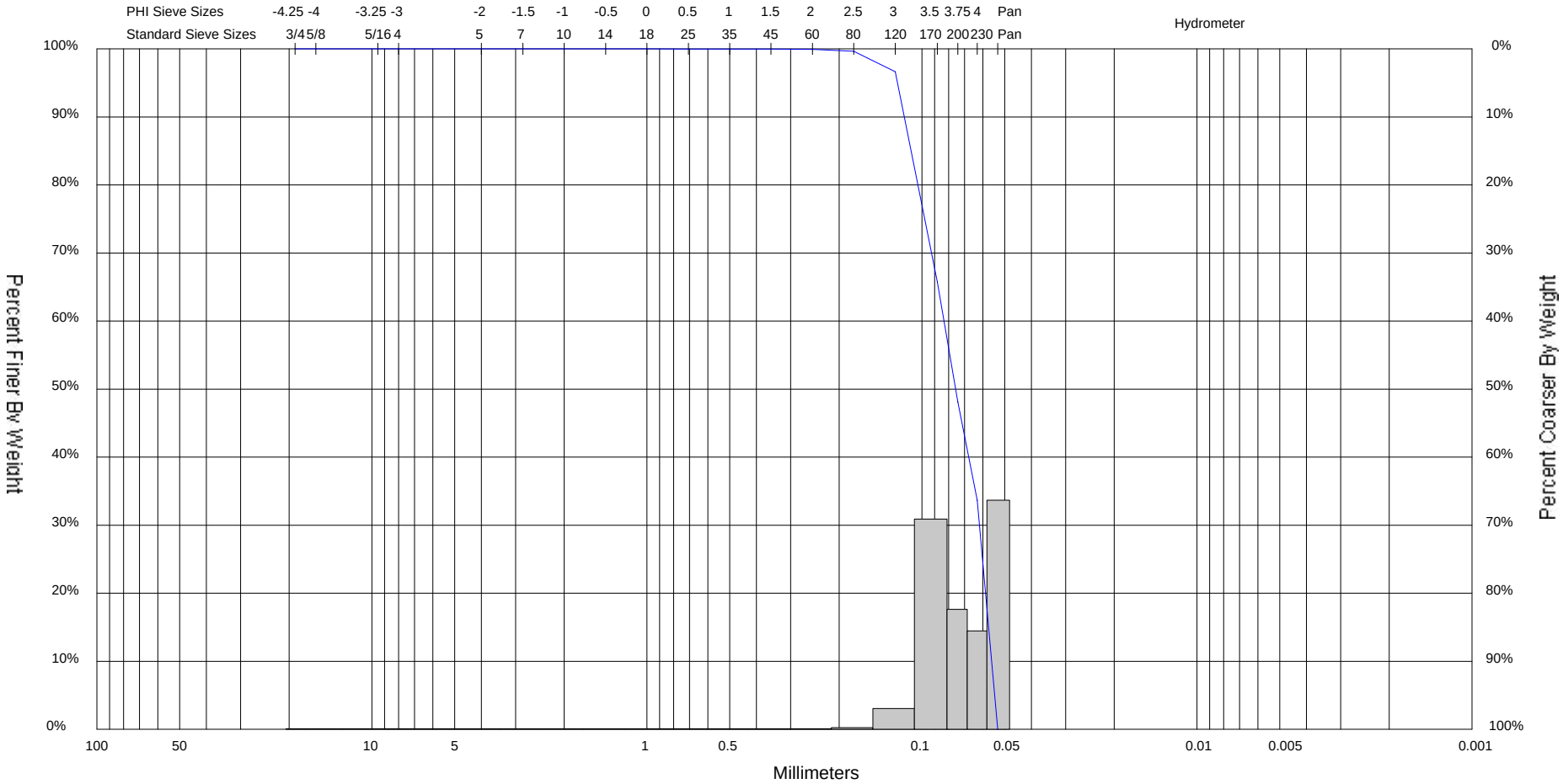
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-18 S#2 | | -37.6 | | SM | 33.70 | 0.08 | 0.09 | -0.25 | 1.33 | 0.62 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 6/7/03 |
| Analyzed By: | ID |
| Easting (X): | 3855340 |
| Northing (Y): | 232227 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

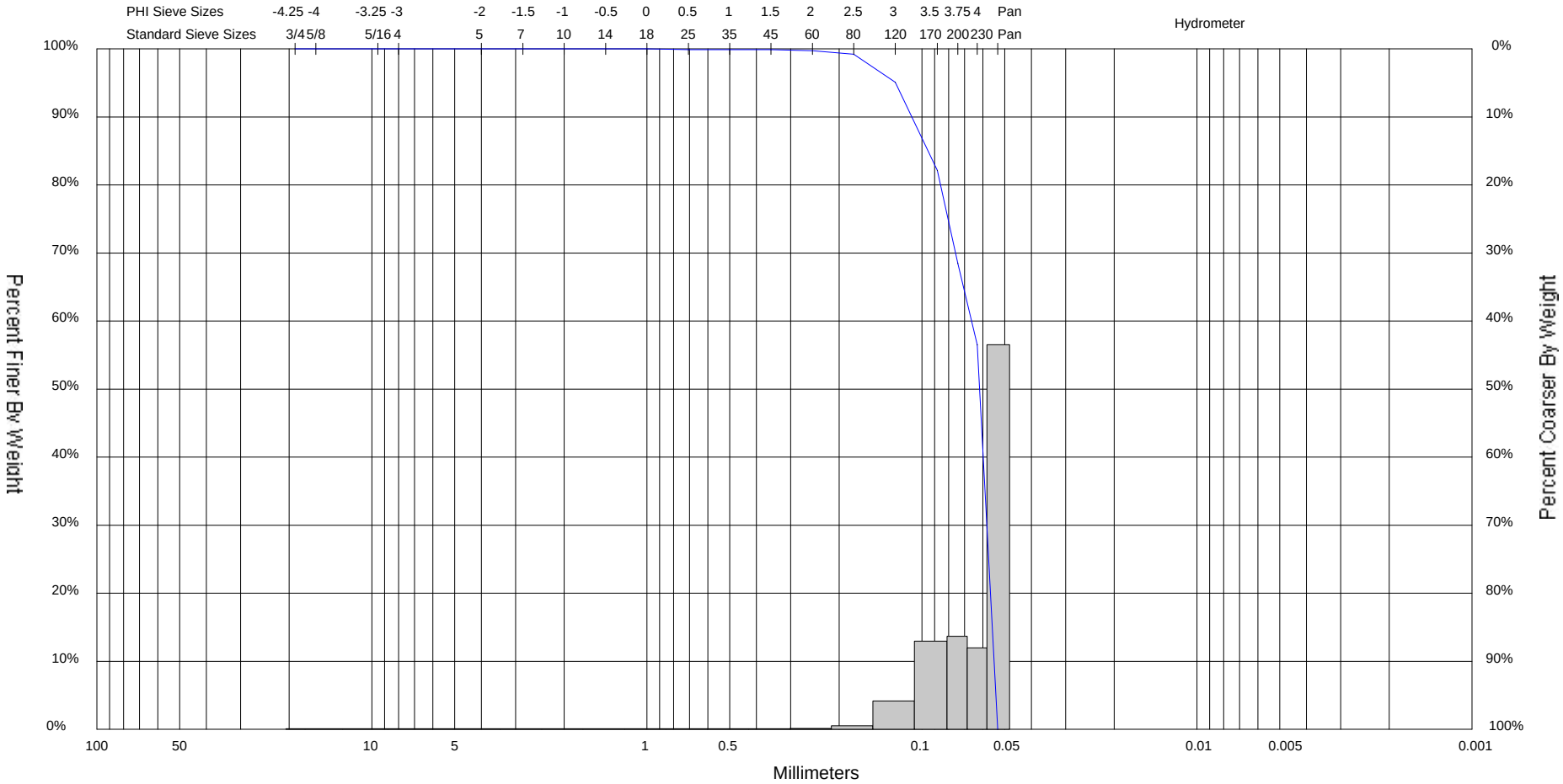
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-18 S#3 | | -43.6 | | SM | 33.69 | 0.08 | 0.08 | -0.14 | 1.18 | 0.48 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855340 |
| Northing (Y): | 232227 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

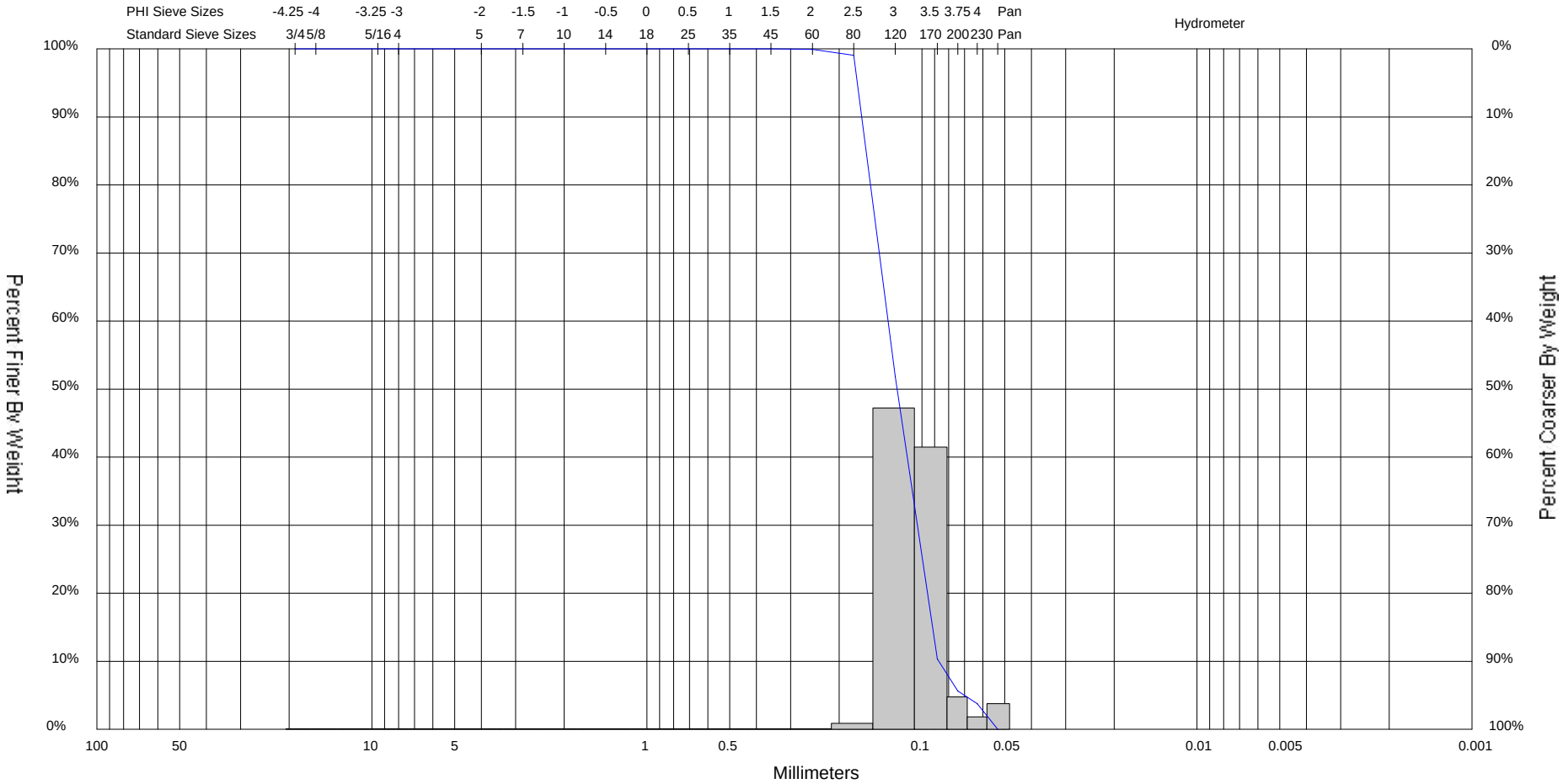
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-18 S#4 | | -40.6 | | ML | 56.52 | 0.06 | 0.07 | -0.66 | 1.79 | 0.46 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855340 |
| Northing (Y): | 232227 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

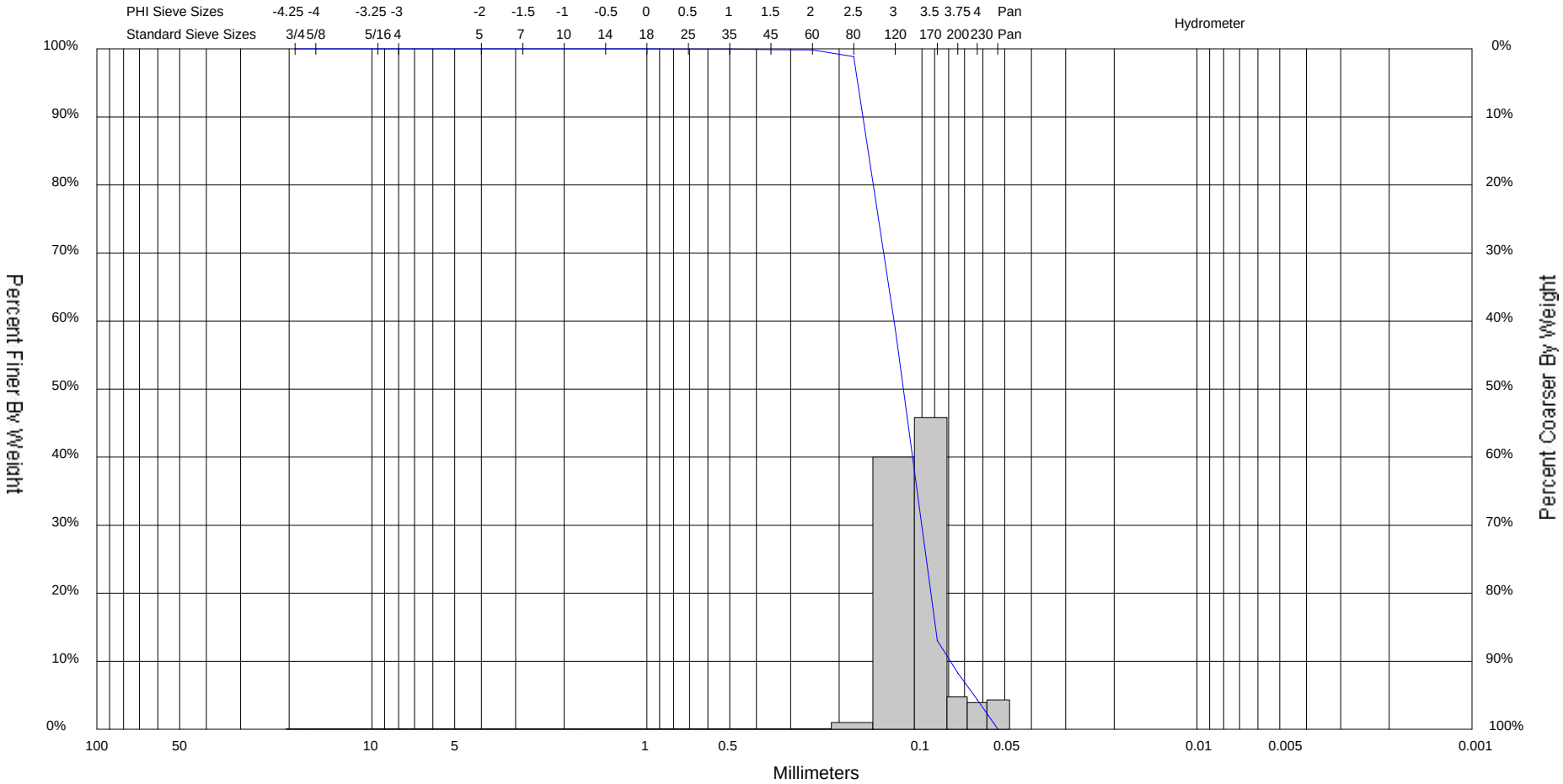
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-18 S#5 | | -49.9 | | SW-SM | 3.77 | 0.12 | 0.12 | 0.35 | 1.59 | 0.47 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855340 |
| Northing (Y): | 232227 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

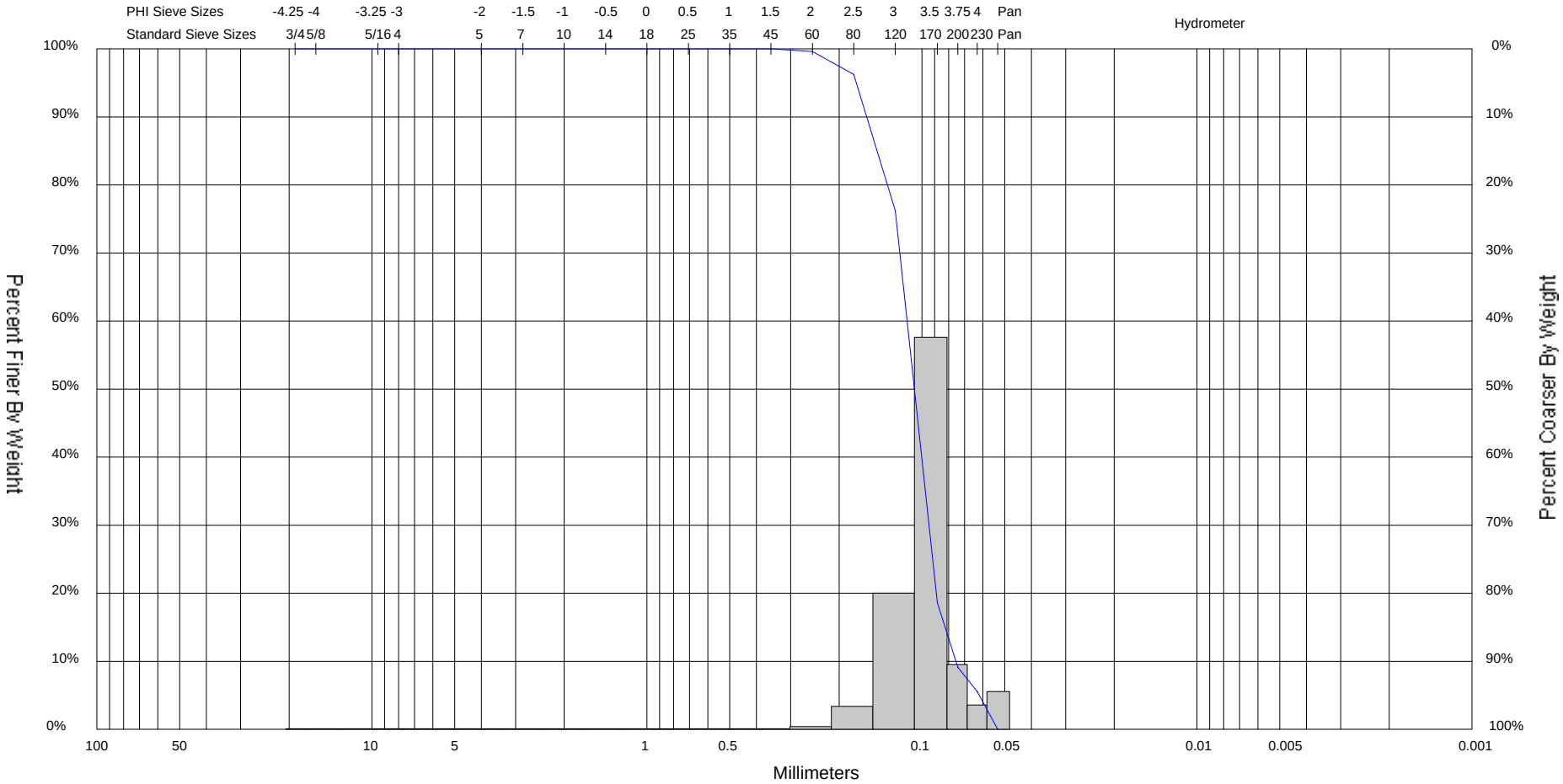
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-18A S#6 | | -51.1 | | SW-SM | 4.34 | 0.12 | 0.11 | 0.39 | 1.72 | 0.50 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855339 |
| Northing (Y): | 232228 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

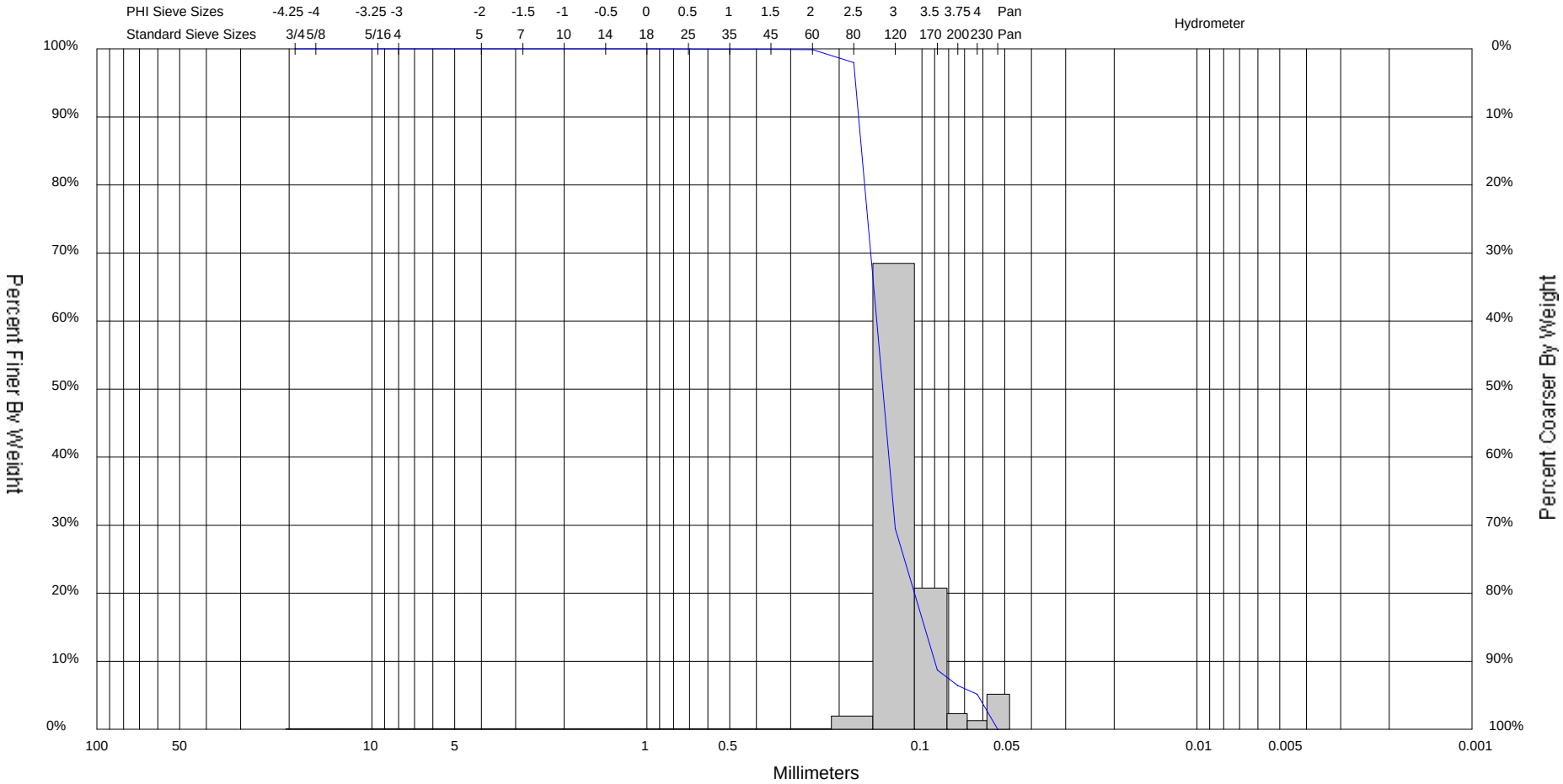
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-18A S#7 | | -52.7 | | SW-SM | 5.55 | 0.11 | 0.11 | 0.16 | 1.81 | 0.50 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855339 |
| Northing (Y): | 232228 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

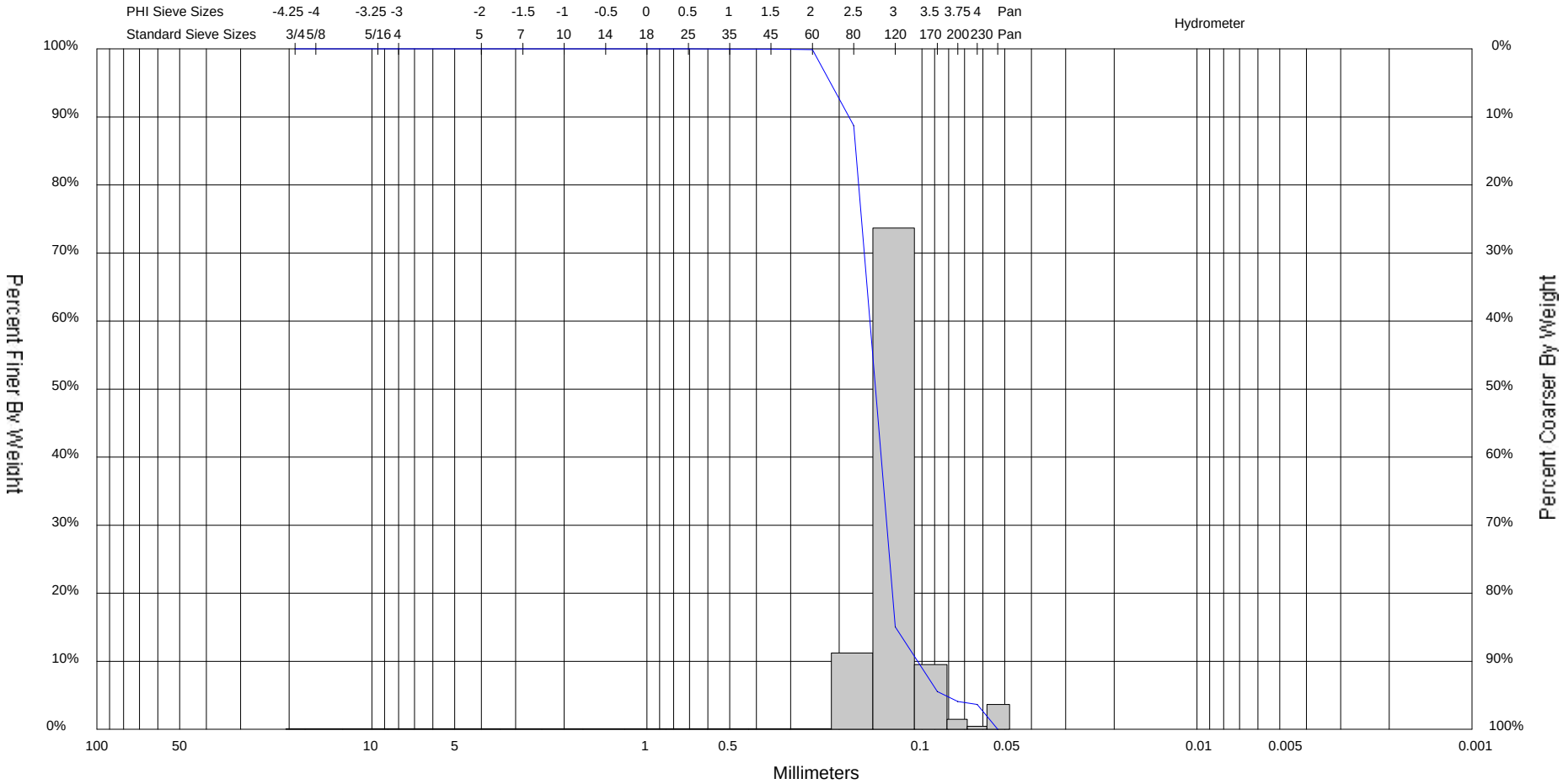
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-21 S#3 | | -43 | | SW-SM | 5.14 | 0.14 | 0.12 | 0.91 | 2.40 | 0.52 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863684 |
| Northing (Y): | 223828 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

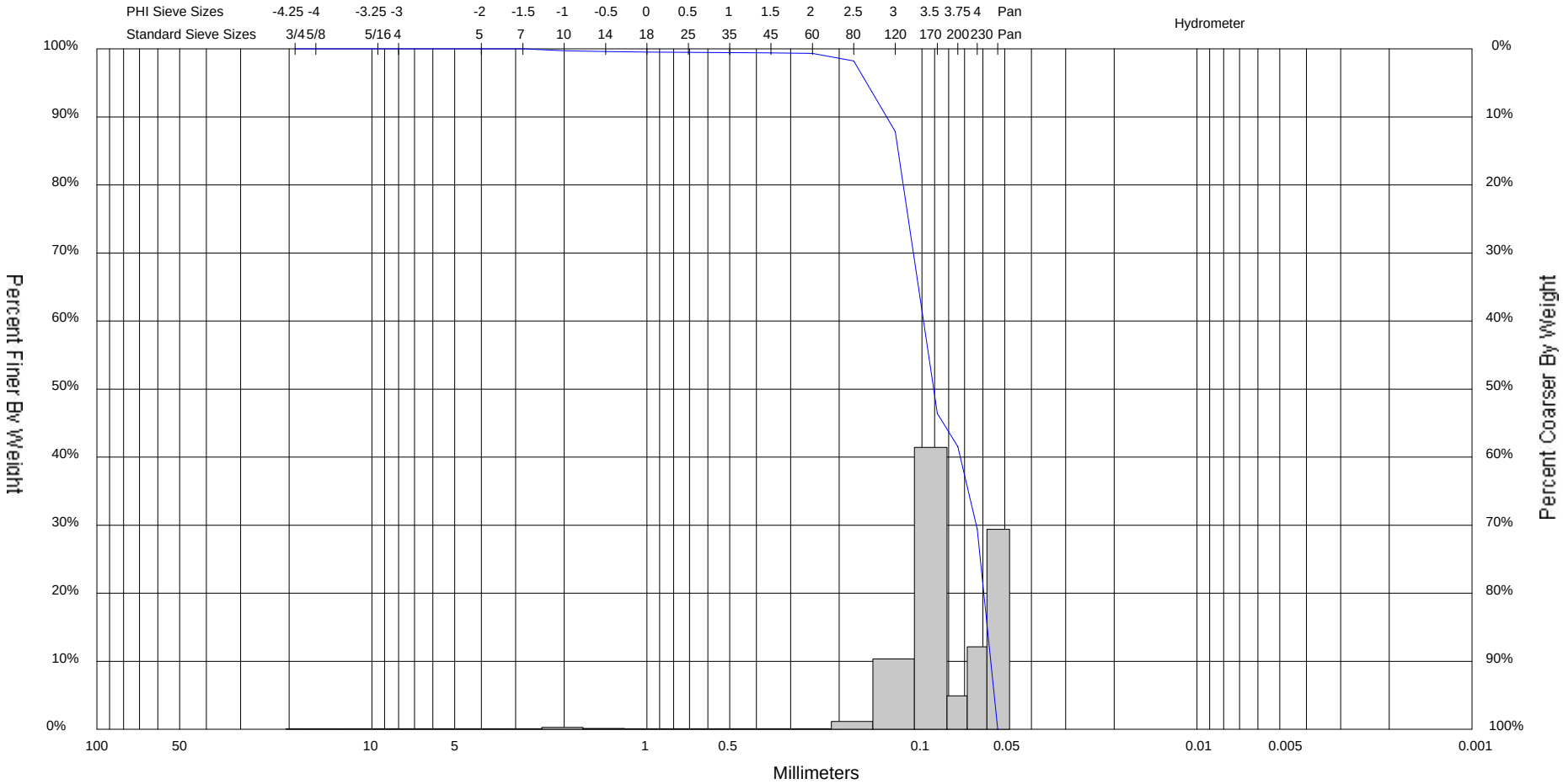
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-21 S#4 | | -49.5 | | SP | 3.65 | 0.15 | 0.14 | 0.54 | 2.38 | 0.43 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863684 |
| Northing (Y): | 223828 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

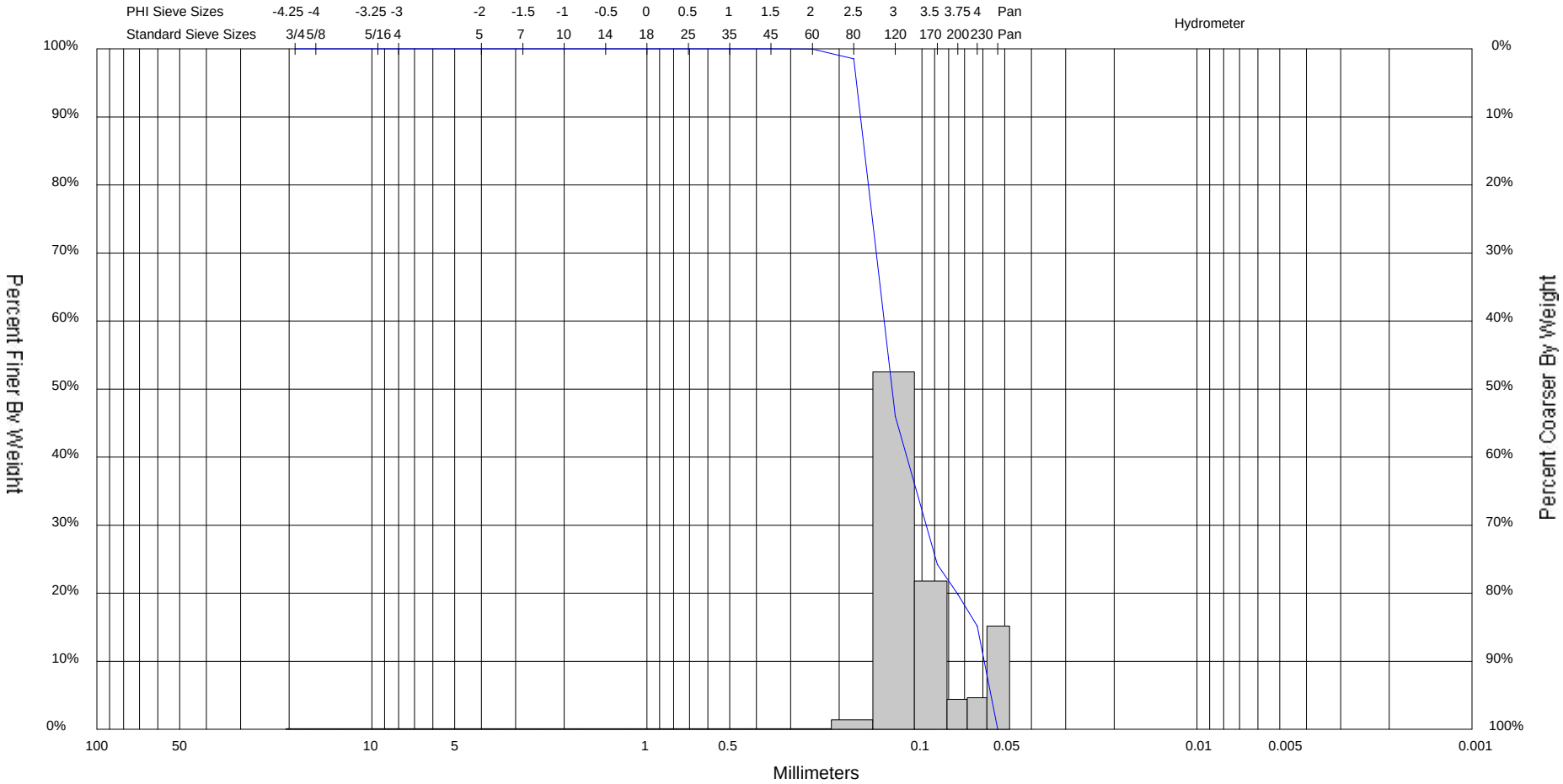
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-23 S#2 | | -37.3 | | SM | 29.42 | 0.09 | 0.09 | -0.12 | 1.30 | 0.61 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863027 |
| Northing (Y): | 220636 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

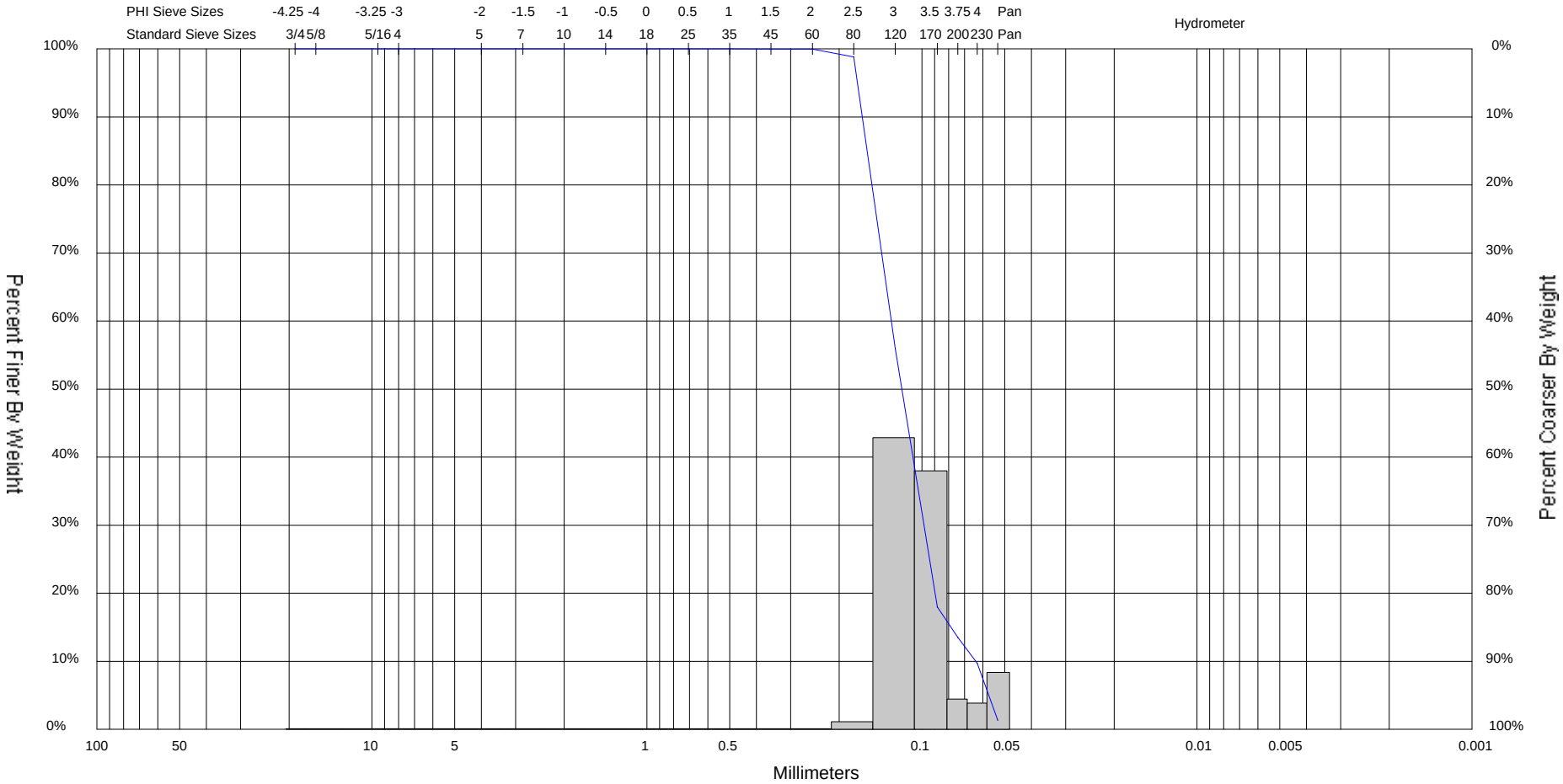
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-23 S#3 | | -40.3 | | SM | 15.18 | 0.13 | 0.11 | 0.40 | 1.33 | 0.66 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863027 |
| Northing (Y): | 220636 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

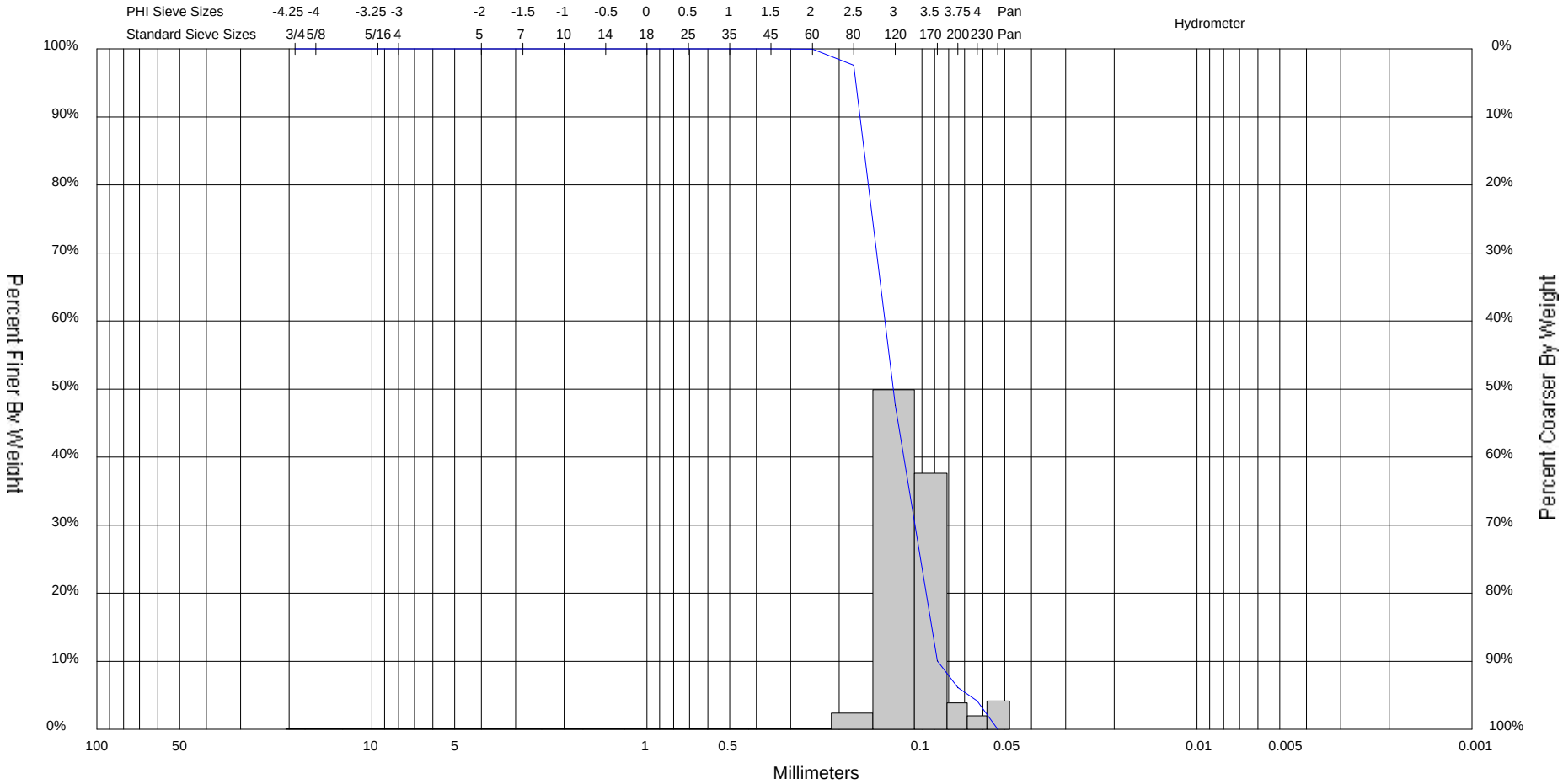
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-23 S#4 | | -44.3 | | SM | 9.69 | 0.12 | 0.11 | 0.48 | 1.74 | 0.58 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863027 |
| Northing (Y): | 220636 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

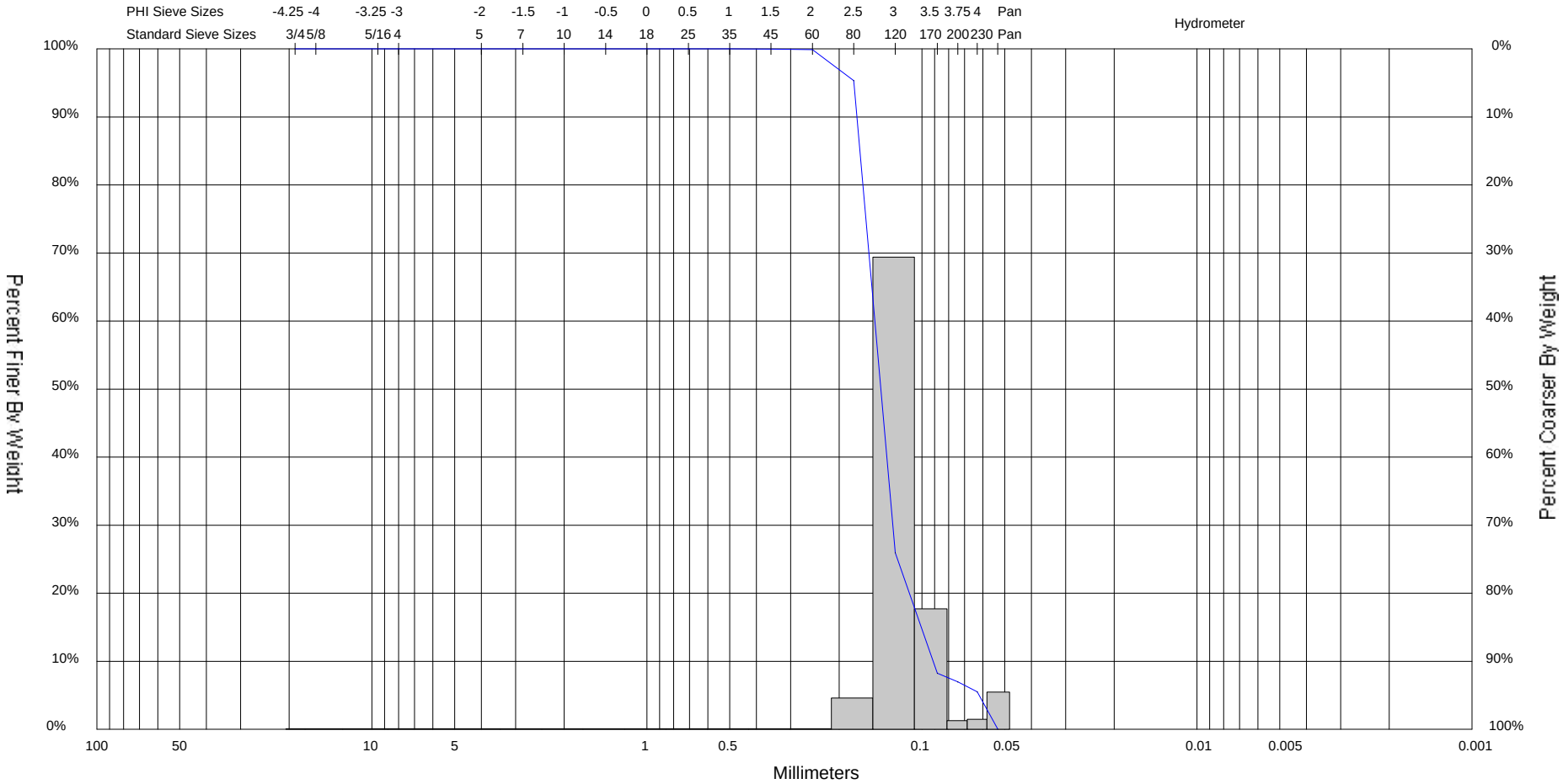
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-23 S#5 | | -45.3 | | SW-SM | 4.18 | 0.13 | 0.12 | 0.47 | 1.73 | 0.49 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863027 |
| Northing (Y): | 220636 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

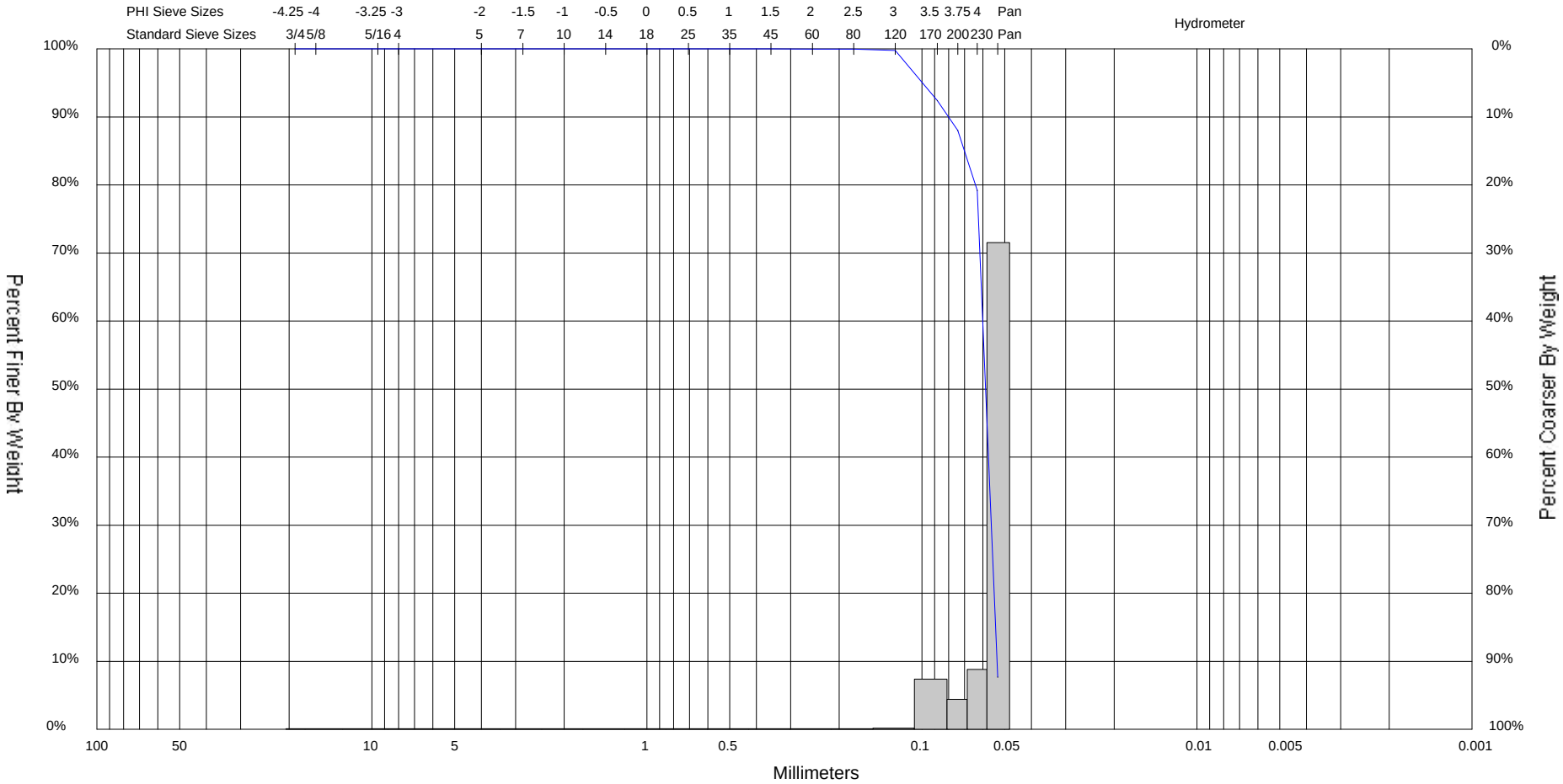
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-23 S#6 | | -49.3 | | SW-SM | 5.50 | 0.14 | 0.13 | 1.02 | 2.62 | 0.53 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863027 |
| Northing (Y): | 220636 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

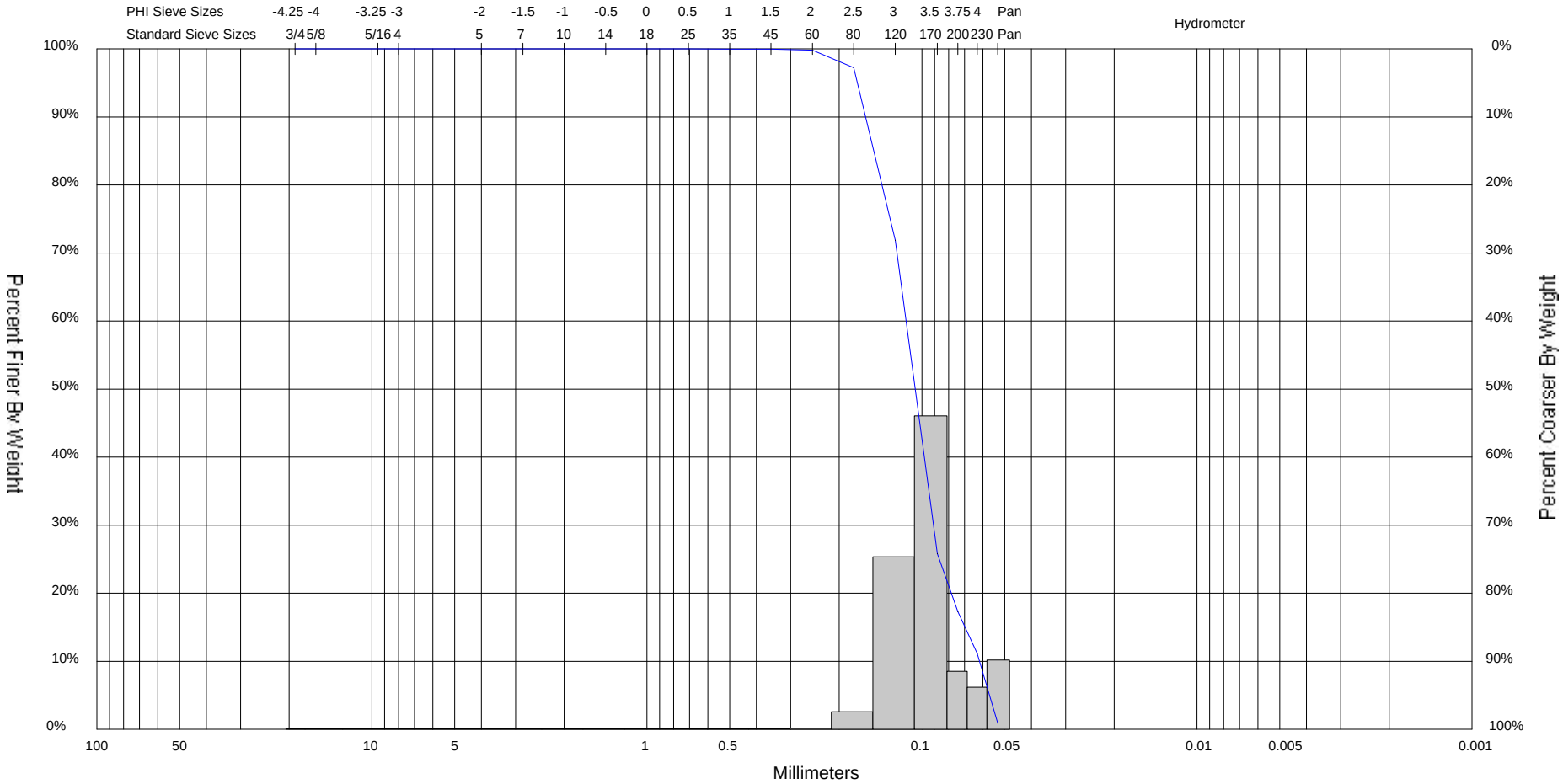
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-24 S#2 | | -39.2 | | ML | 79.19 | 0.06 | 0.10 | -1.74 | 4.10 | 1.52 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862629 |
| Northing (Y): | 223158 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

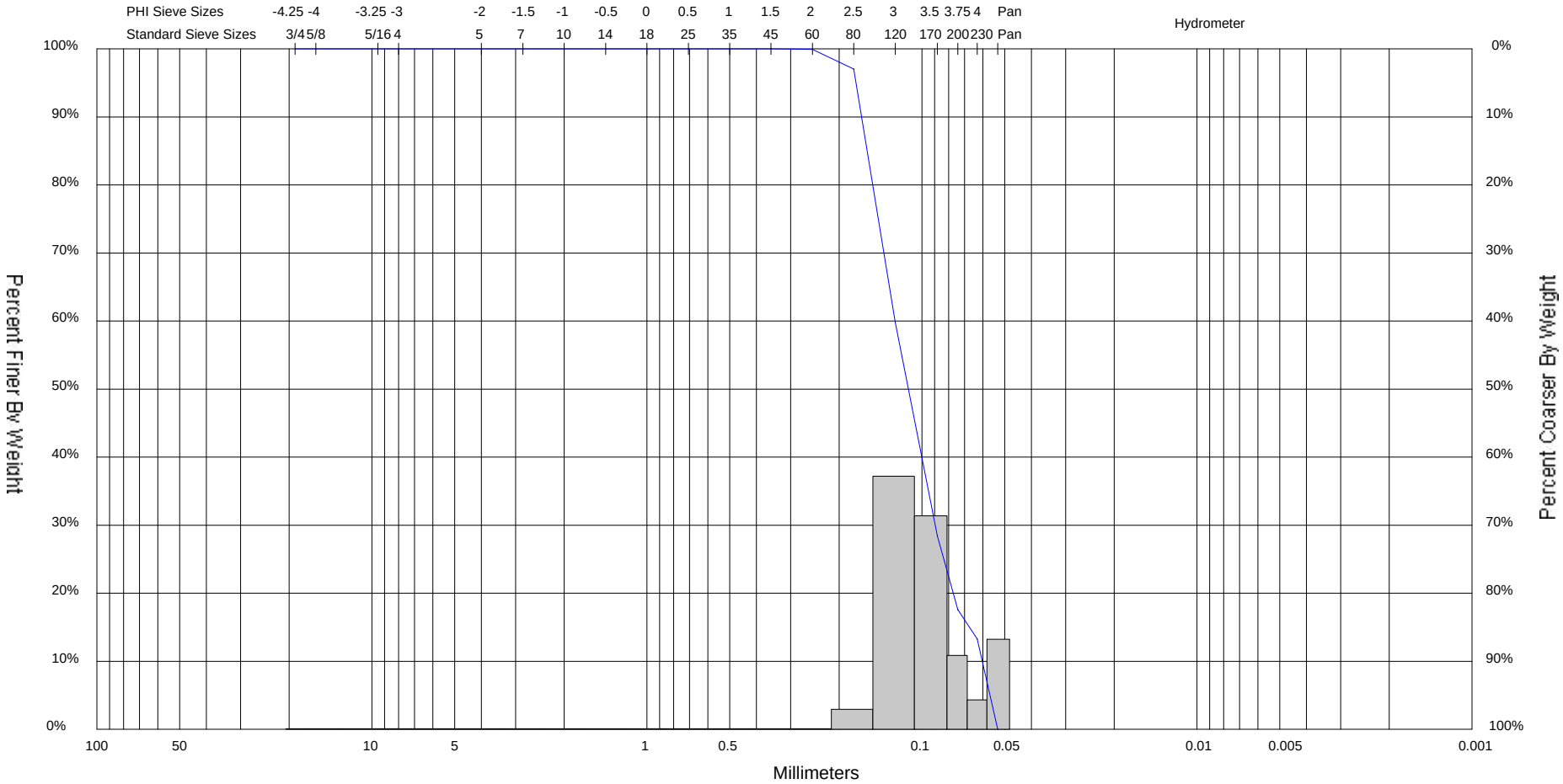
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-24 S#3 | | -44.2 | | SM | 11.13 | 0.11 | 0.10 | 0.20 | 1.52 | 0.58 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862629 |
| Northing (Y): | 223158 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

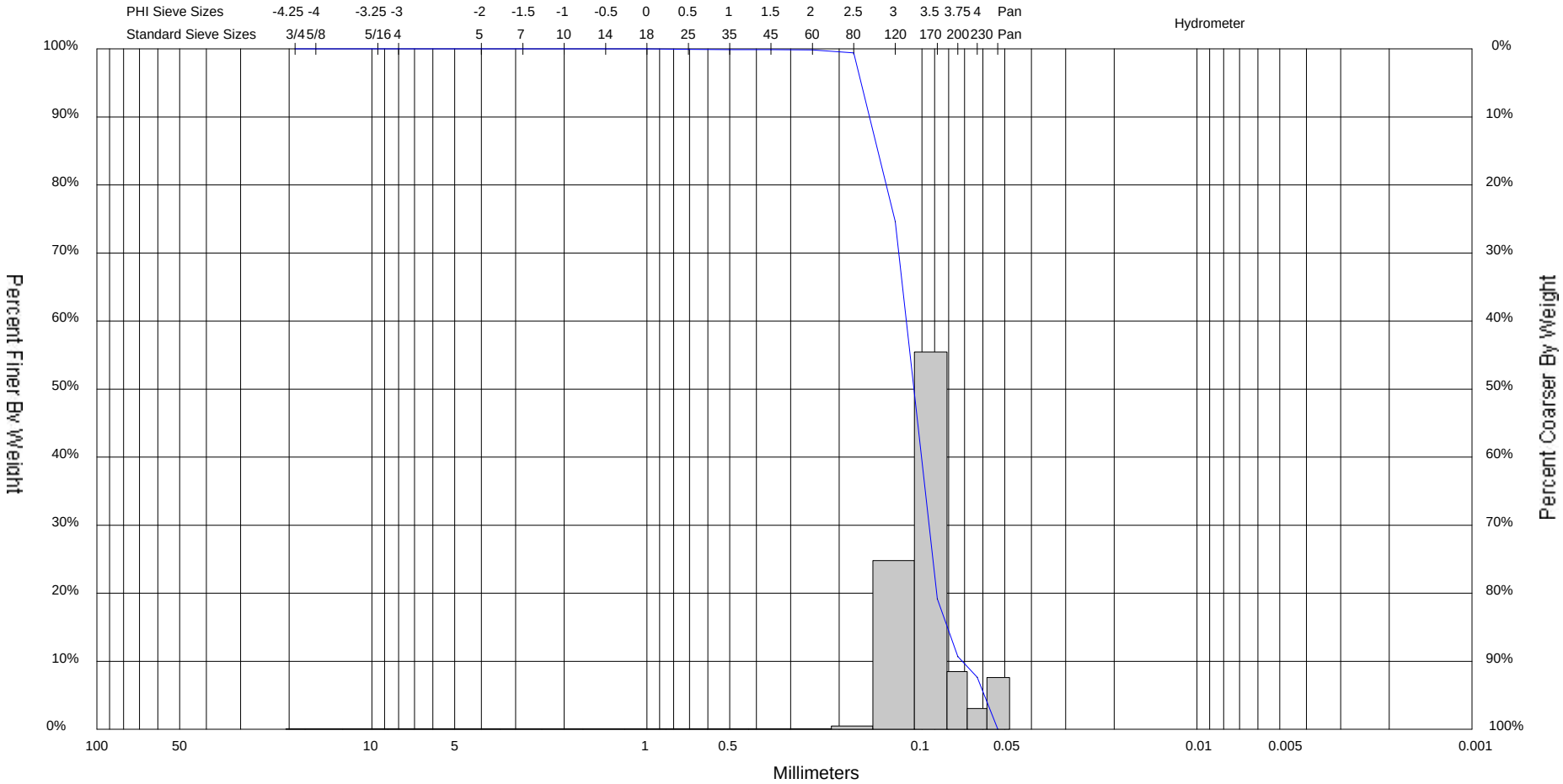
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-24 S#4 | | -50.7 | | SM | 13.26 | 0.11 | 0.11 | 0.23 | 1.35 | 0.63 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862629 |
| Northing (Y): | 223158 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

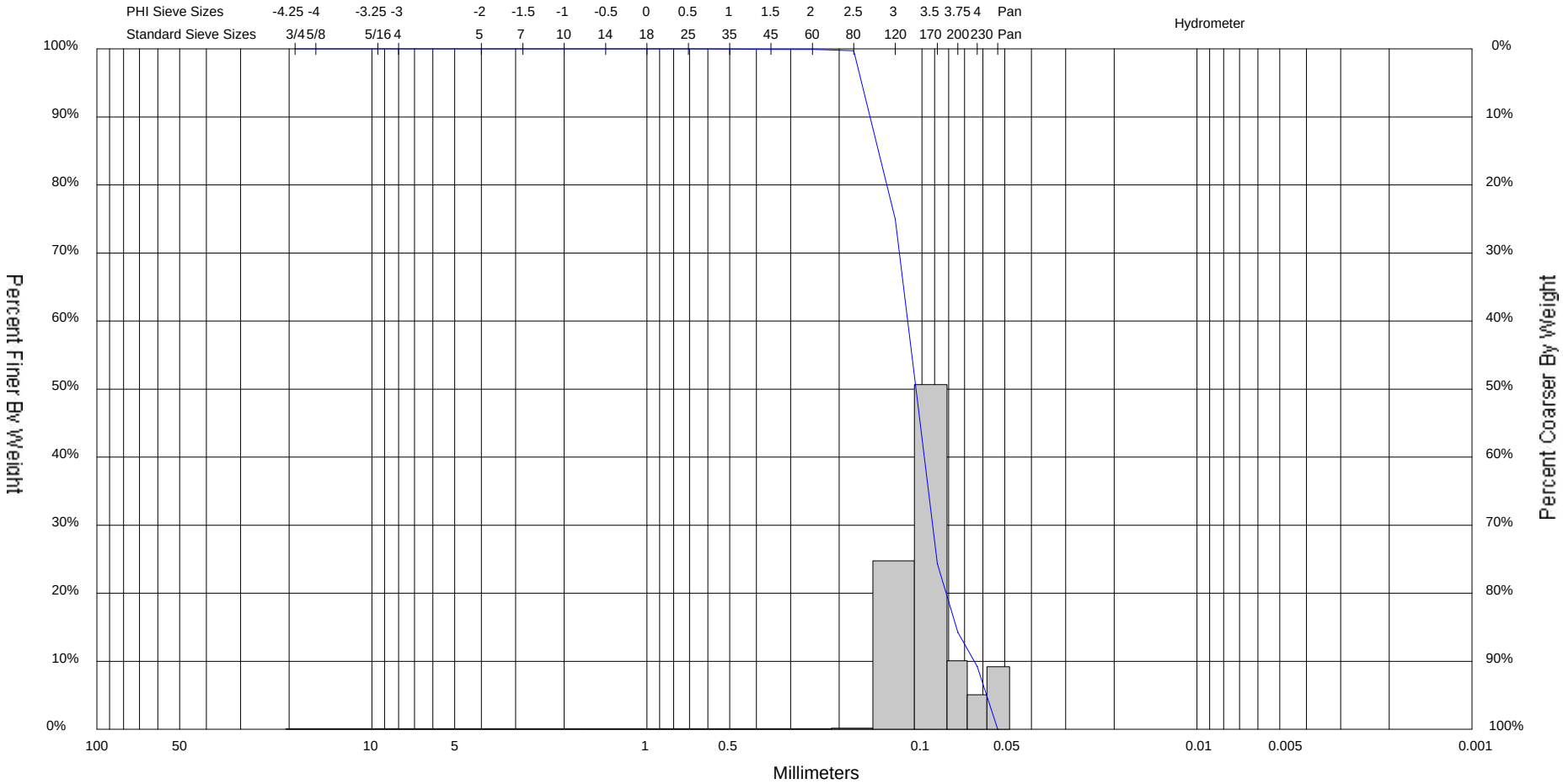
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-25 S#1 | | -35.3 | | SW-SM | 7.64 | 0.11 | 0.11 | 0.31 | 1.84 | 0.51 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863432 |
| Northing (Y): | 223257 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

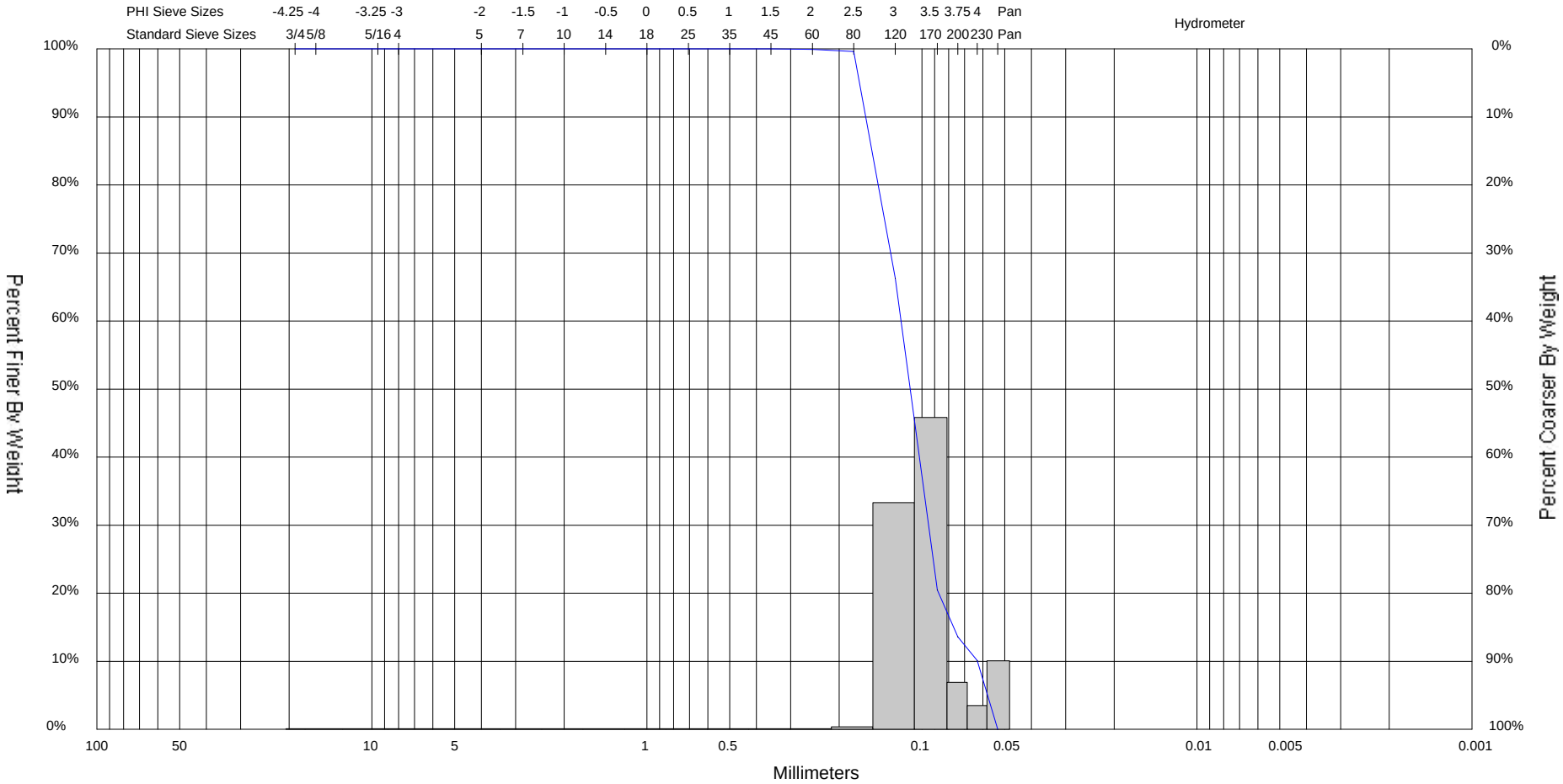
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-25 S#2 | | -37.5 | | SM | 9.22 | 0.11 | 0.10 | 0.24 | 1.67 | 0.53 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863432 |
| Northing (Y): | 223257 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

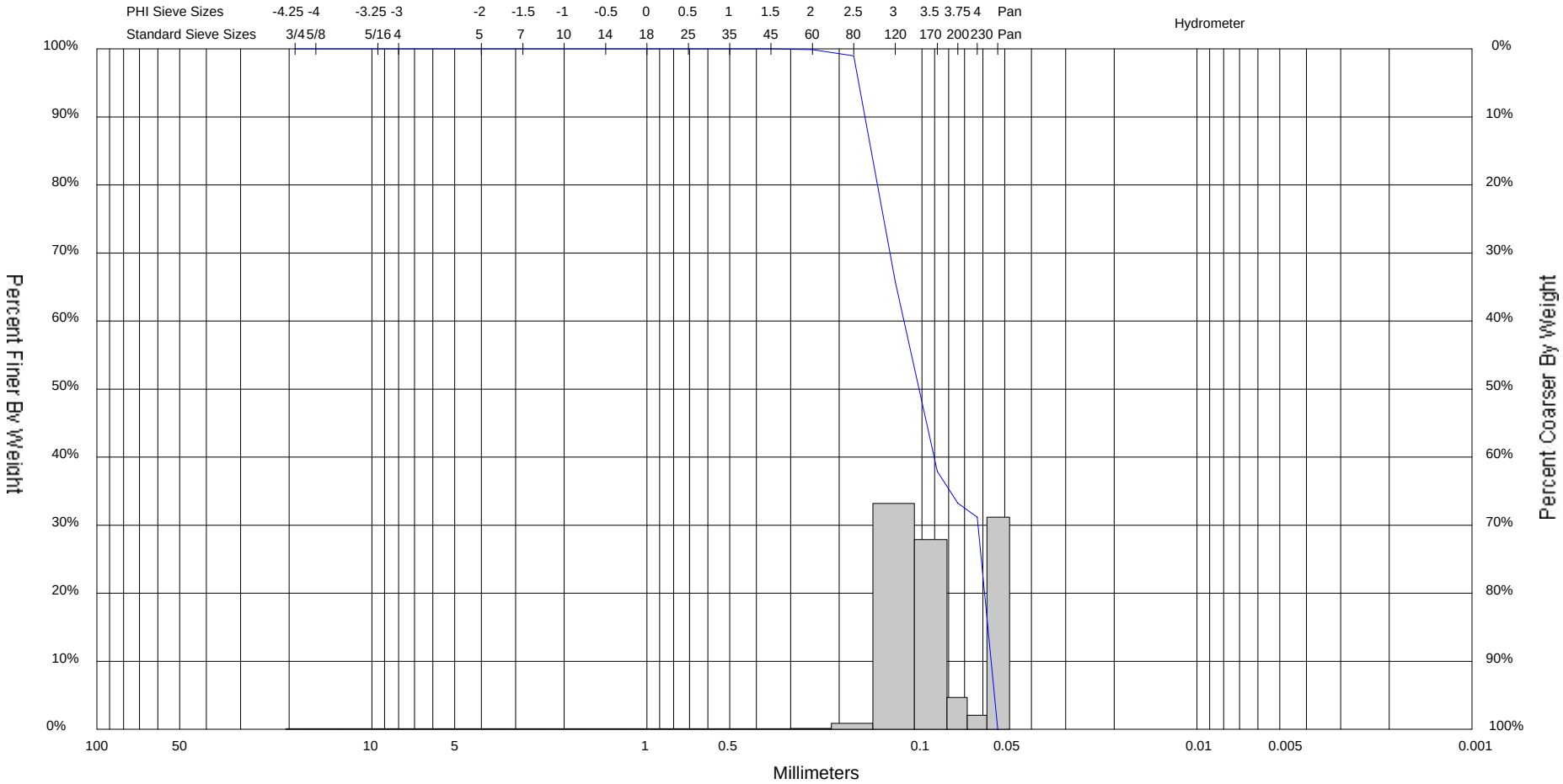
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-25 S#4 | | -42.5 | | SM | 10.09 | 0.11 | 0.11 | 0.36 | 1.67 | 0.56 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863432 |
| Northing (Y): | 223257 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

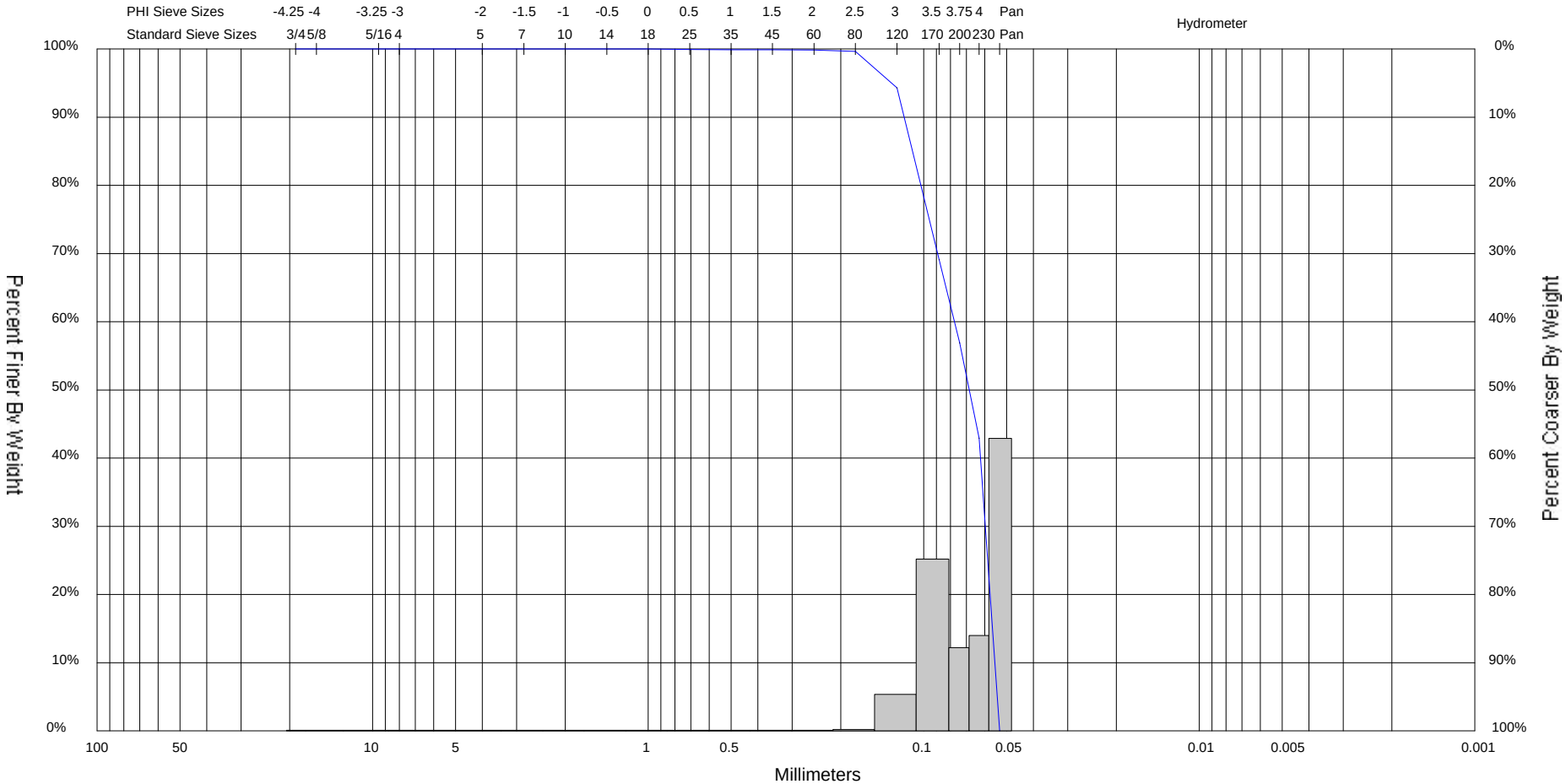
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-25 S#5 | | -47.1 | | SM | 31.19 | 0.10 | 0.09 | 0.05 | 1.07 | 0.71 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863432 |
| Northing (Y): | 223257 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

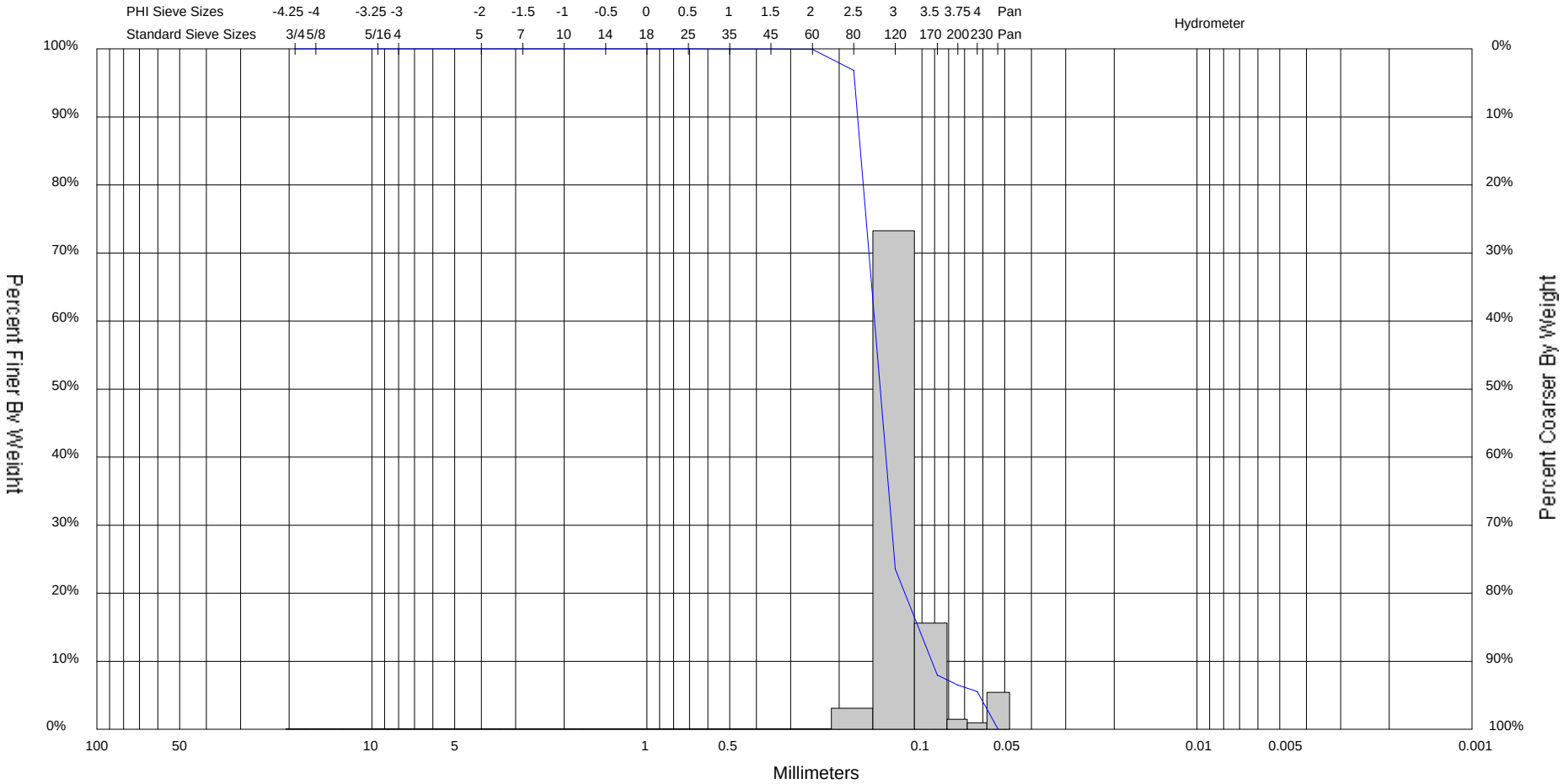
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-26 S#2 | | -37 | | ML | 42.94 | 0.07 | 0.08 | -0.33 | 1.29 | 0.52 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862579 |
| Northing (Y): | 223816 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

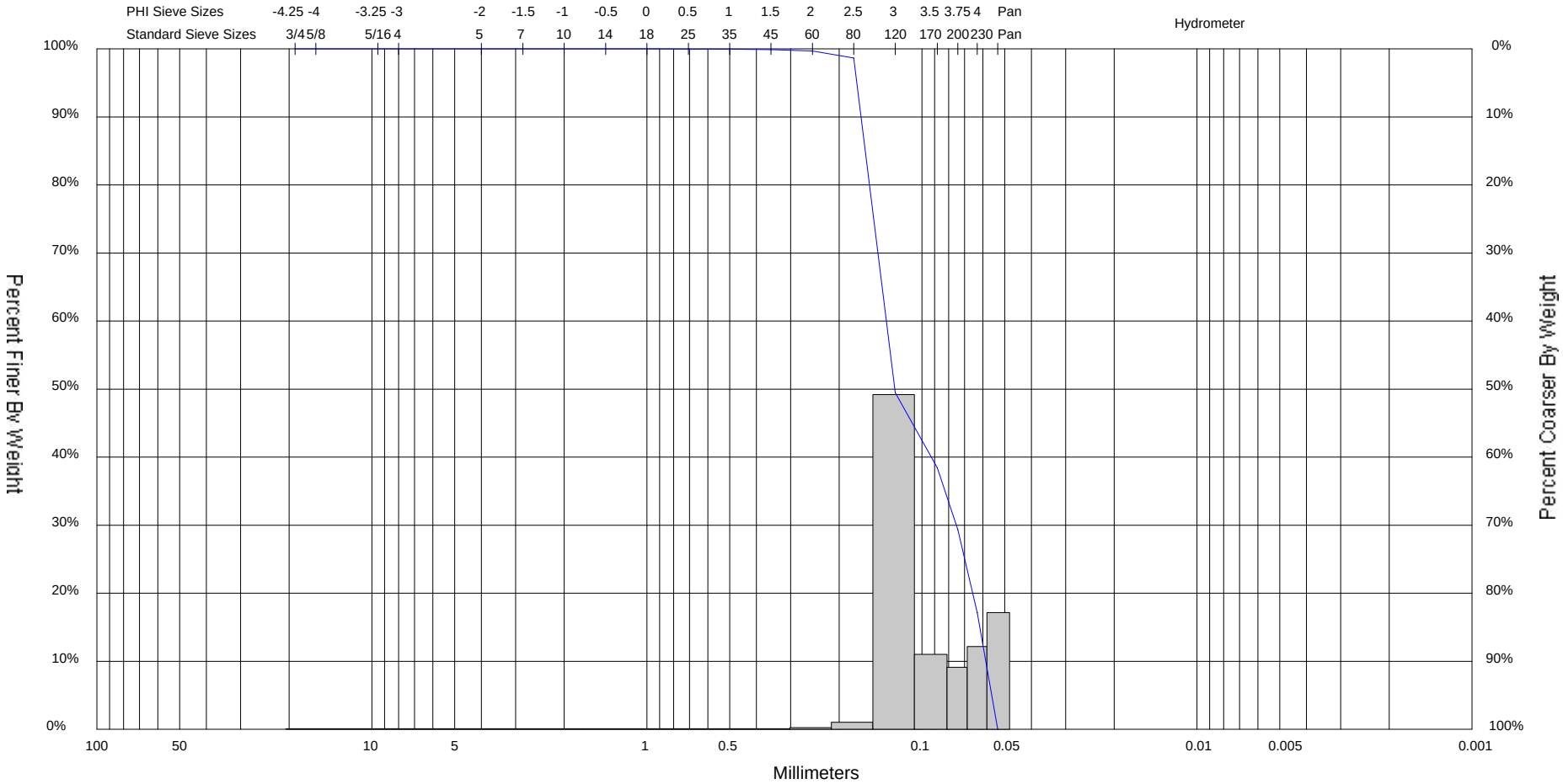
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-26 S#3 | | -40 | | SW-SM | 5.53 | 0.14 | 0.13 | 1.11 | 2.80 | 0.53 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862579 |
| Northing (Y): | 223816 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

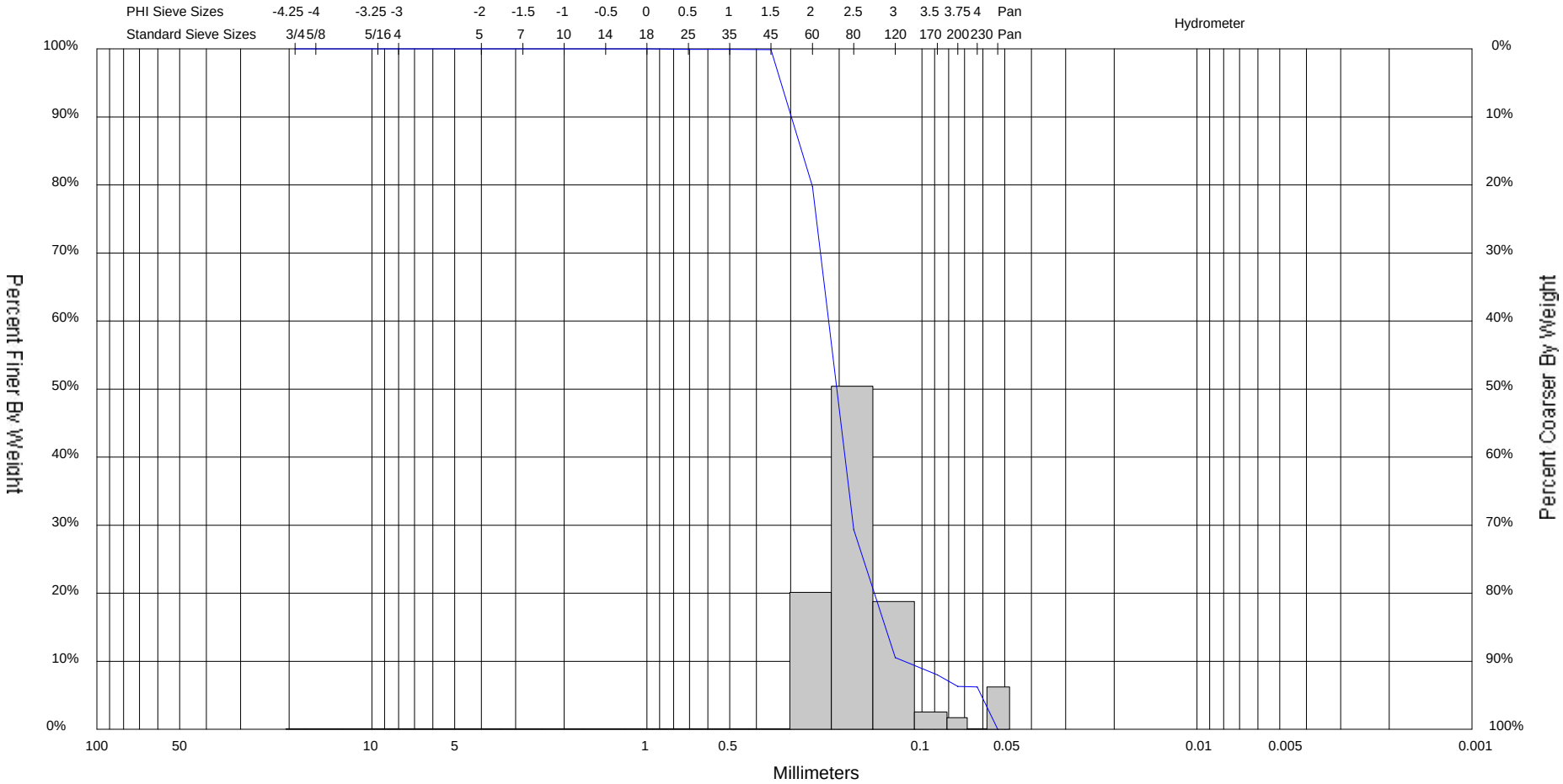
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-26 S#4 | | -44 | | SM | 17.16 | 0.13 | 0.10 | 0.22 | 1.08 | 0.71 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862579 |
| Northing (Y): | 223816 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

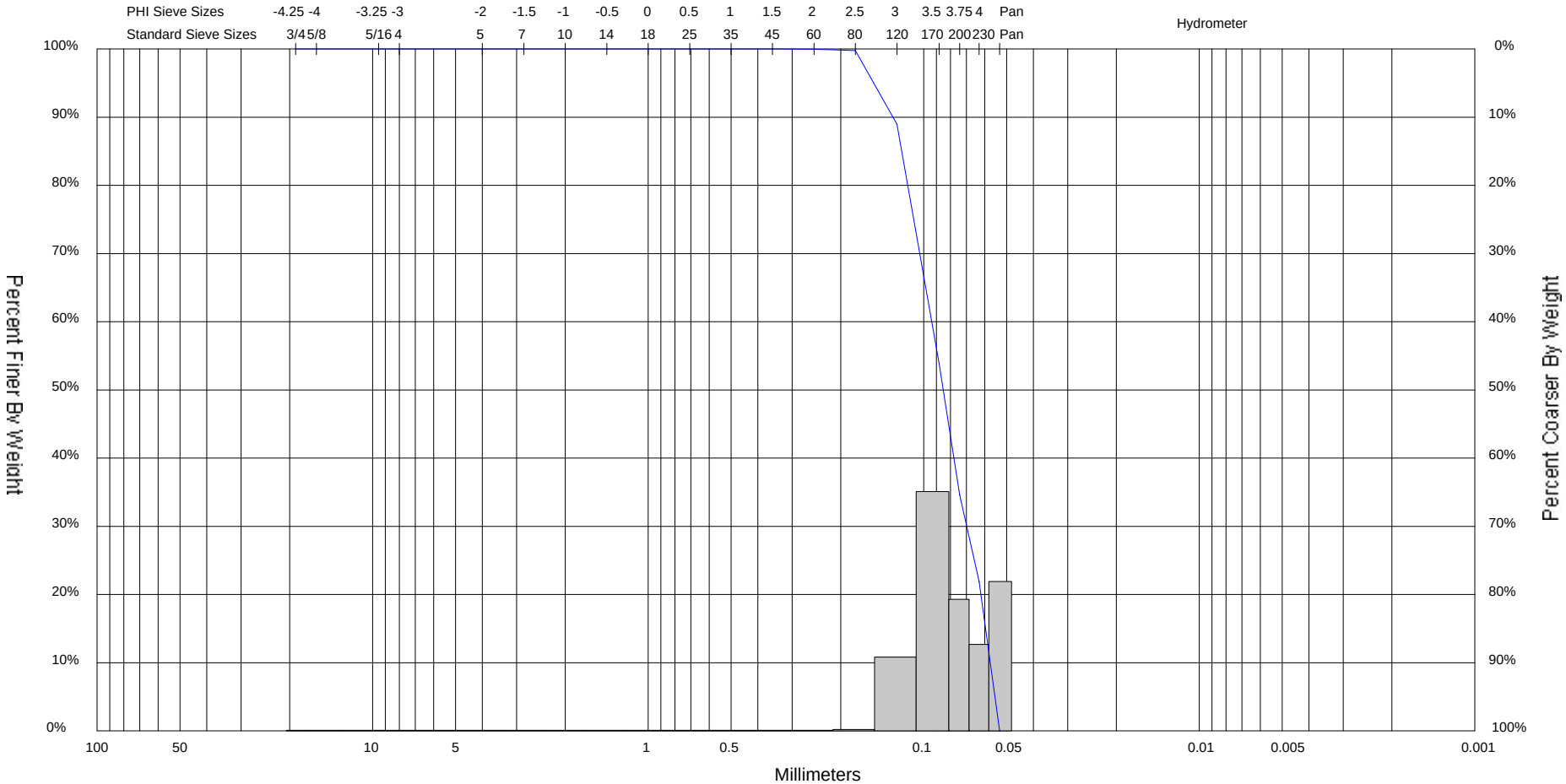
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-26 S#5 | | -48 | | SW-SM | 6.21 | 0.20 | 0.18 | 0.94 | 2.63 | 0.81 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862579 |
| Northing (Y): | 223816 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

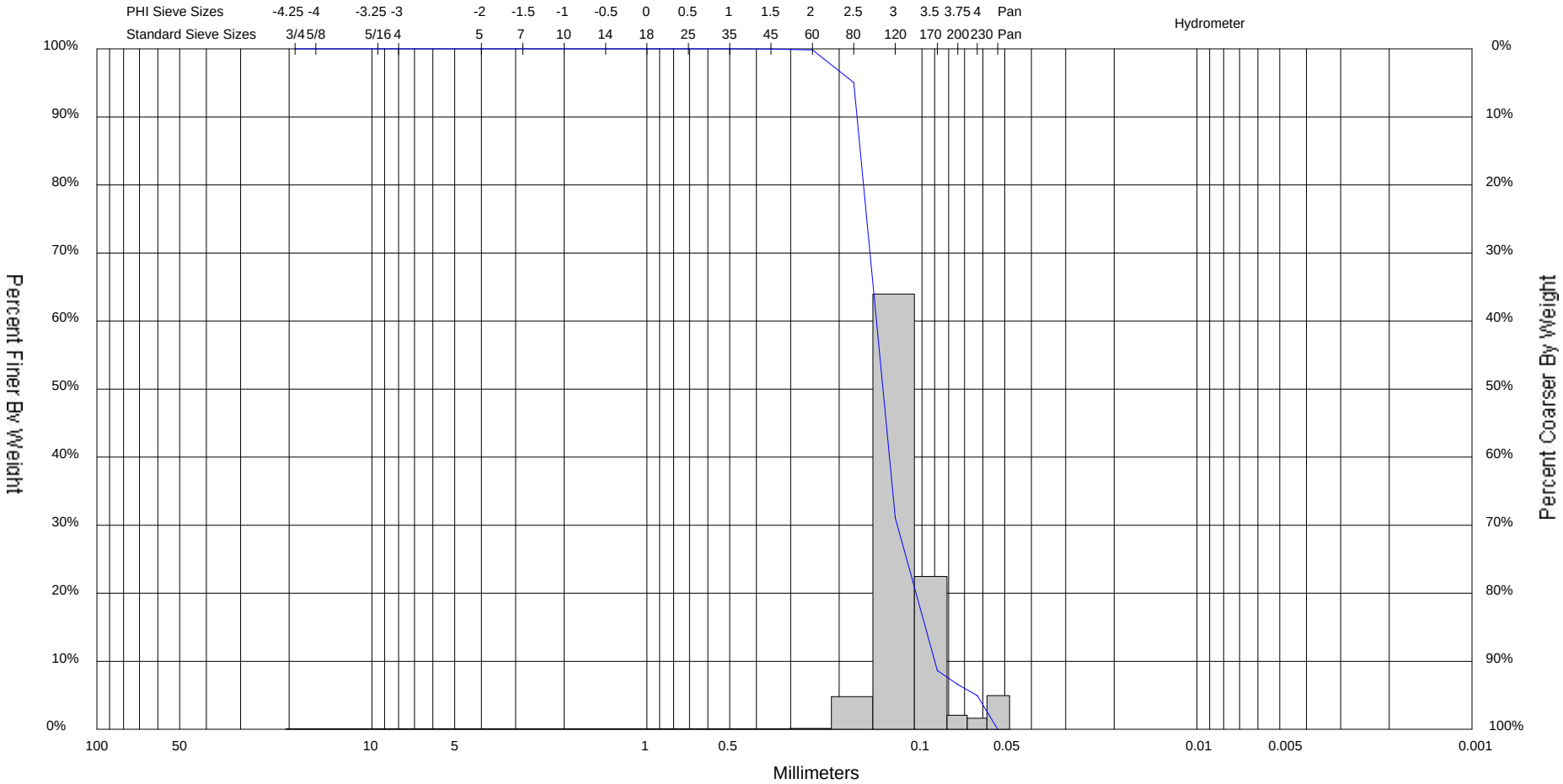
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-27 S#2 | | -37.5 | | SM | 21.91 | 0.09 | 0.09 | -0.16 | 1.36 | 0.56 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863028 |
| Northing (Y): | 224053 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

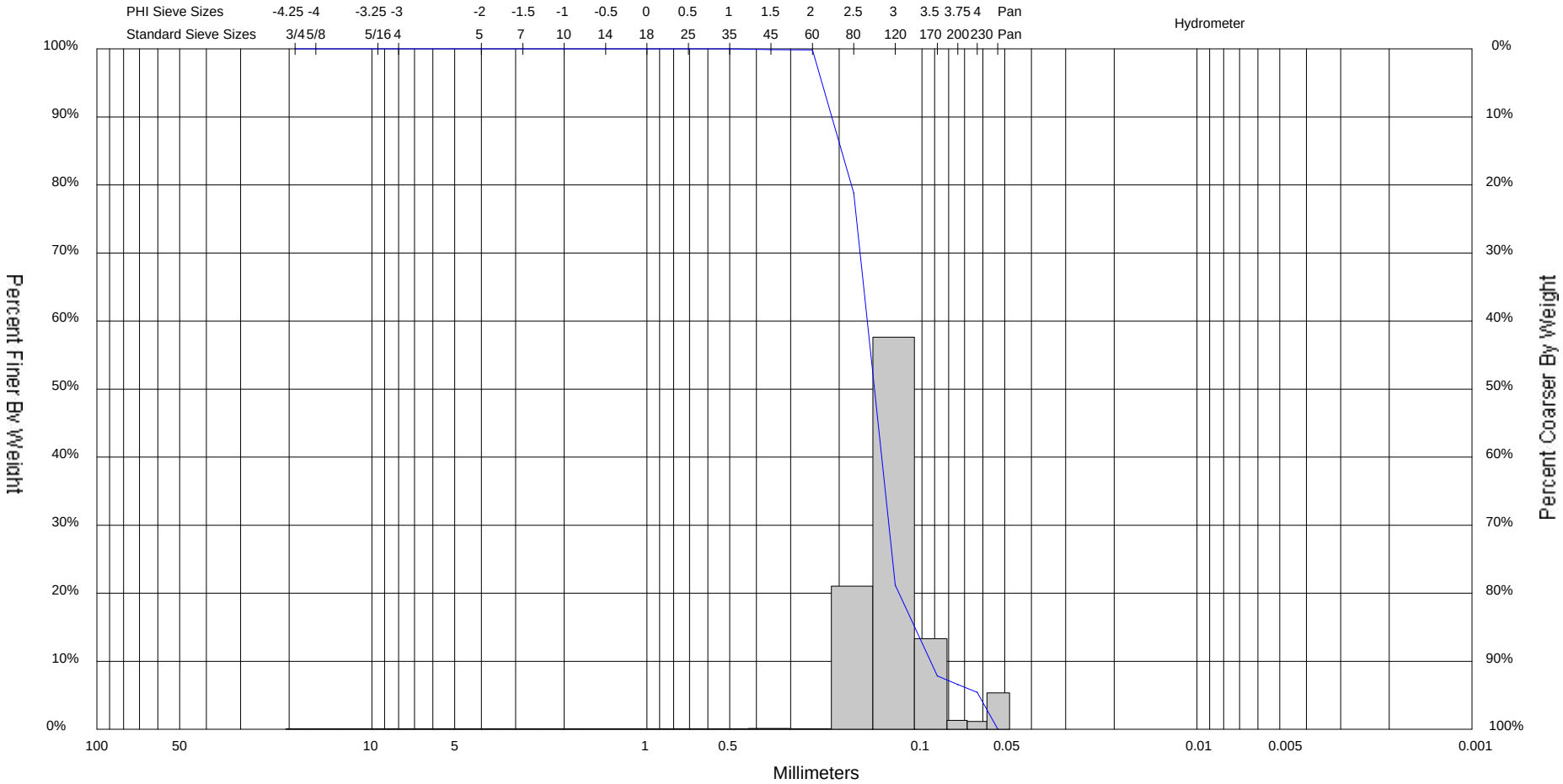
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-27 S#3 | | -42.2 | | SW-SM | 4.93 | 0.14 | 0.12 | 0.83 | 2.26 | 0.53 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863028 |
| Northing (Y): | 224053 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

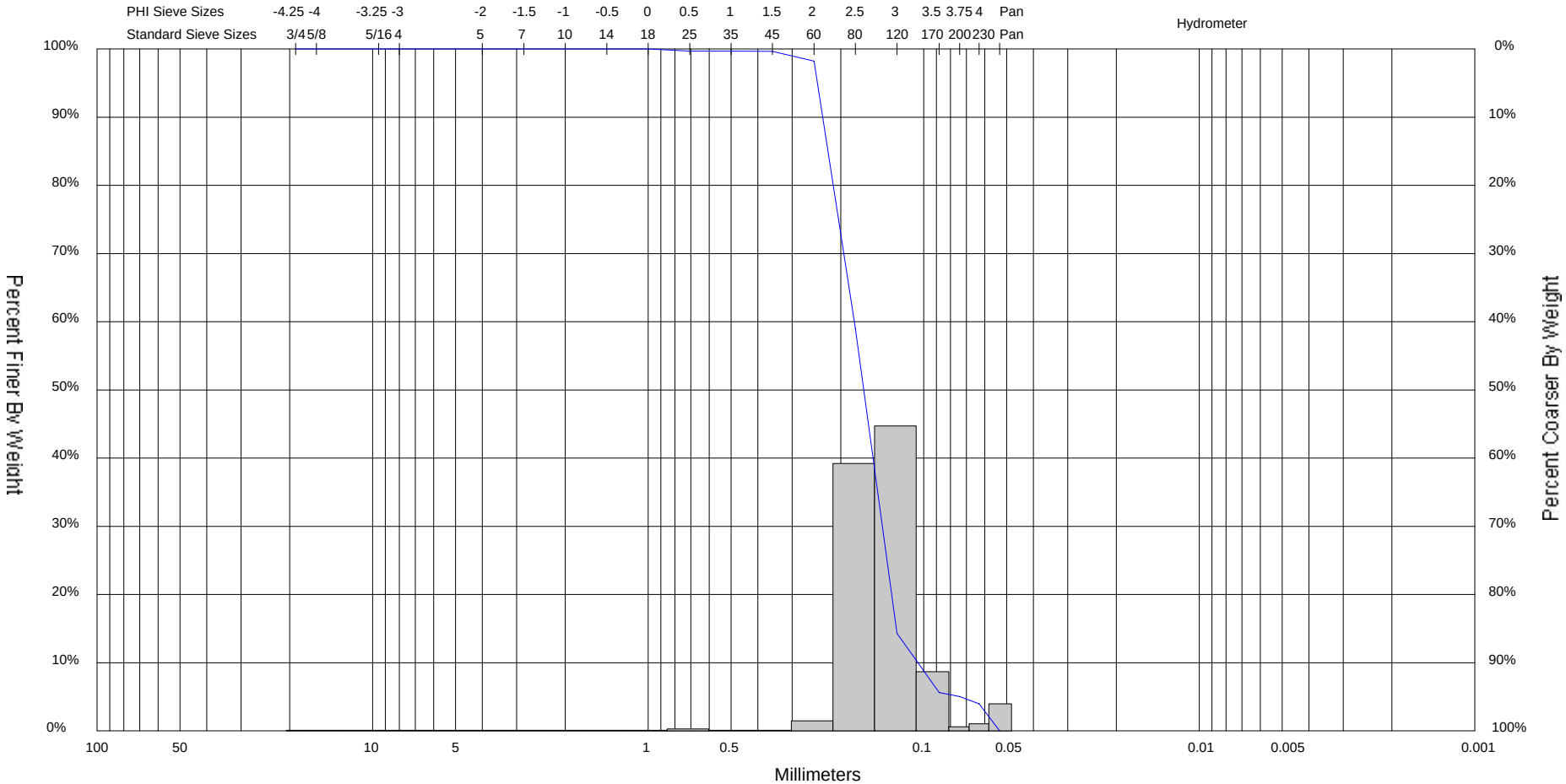
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-27 S#5 | | -45.5 | | SW-SM | 5.41 | 0.15 | 0.14 | 0.74 | 2.38 | 0.63 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863028 |
| Northing (Y): | 224053 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

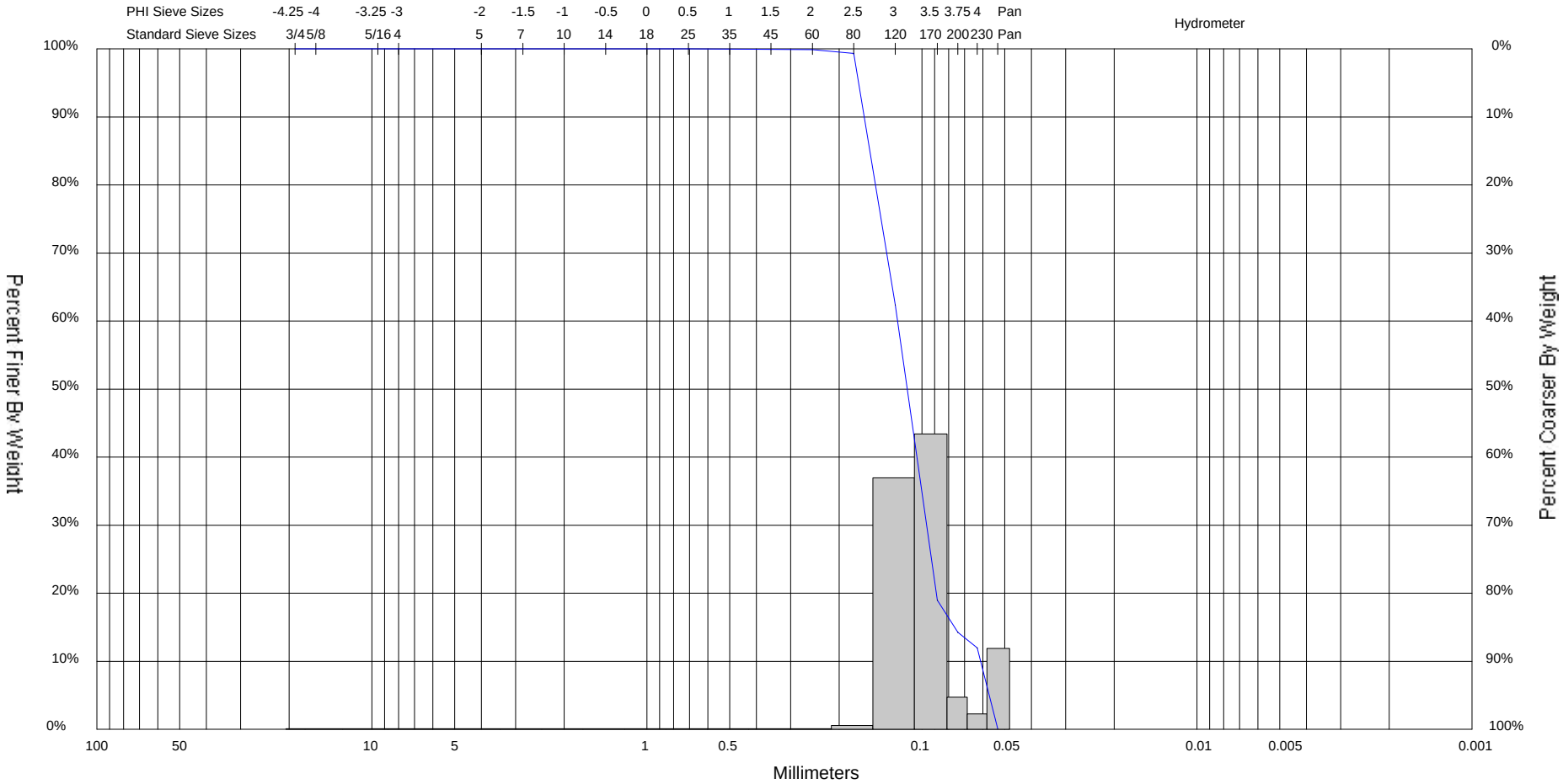
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-27 S#6 | | -49.4 | | SW-SM | 3.98 | 0.16 | 0.16 | 0.69 | 2.19 | 0.59 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863028 |
| Northing (Y): | 224053 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

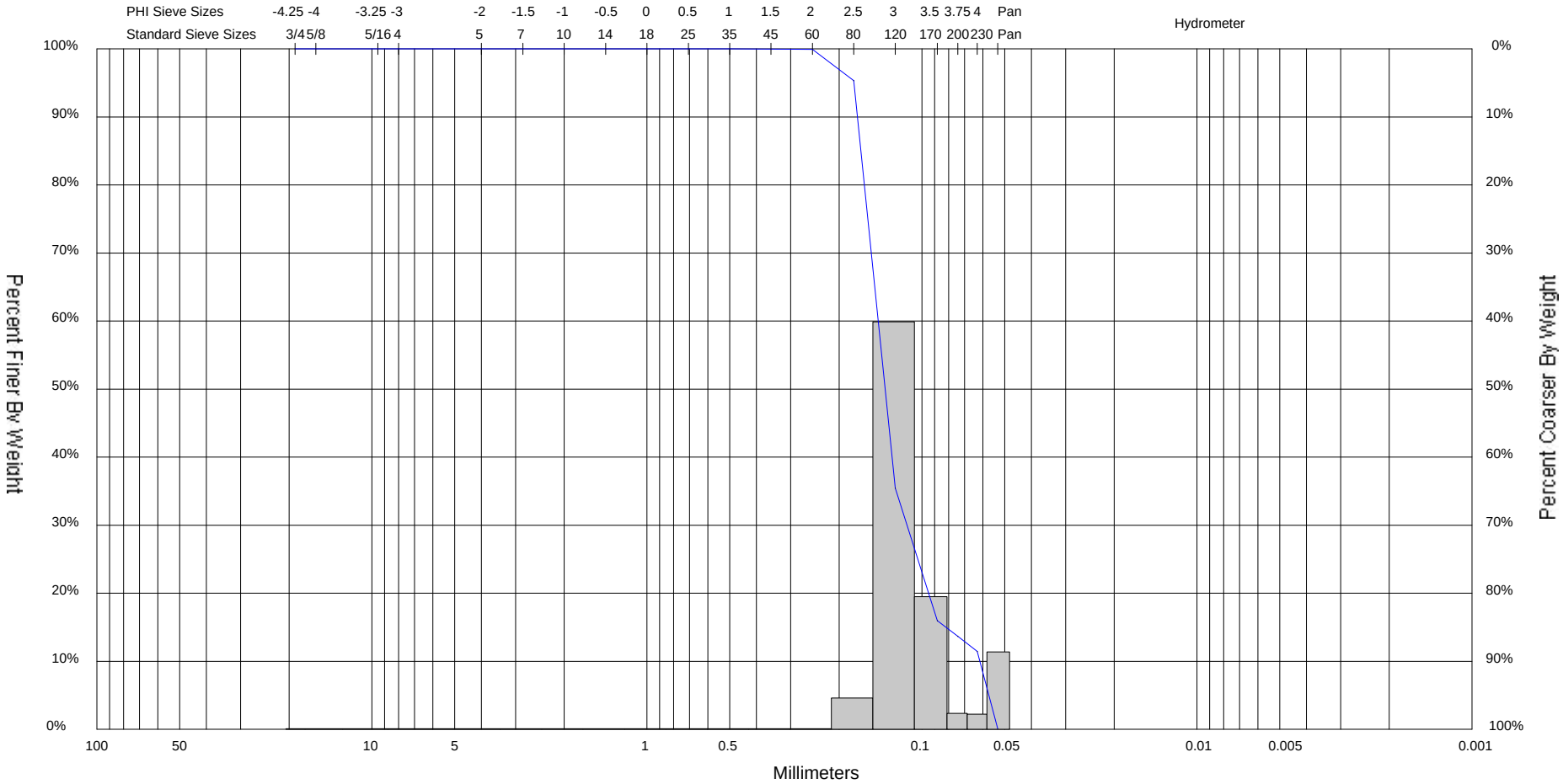
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-28 S#2 | | -39.2 | | SM | 11.98 | 0.11 | 0.11 | 0.41 | 1.69 | 0.57 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862766 |
| Northing (Y): | 222525 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

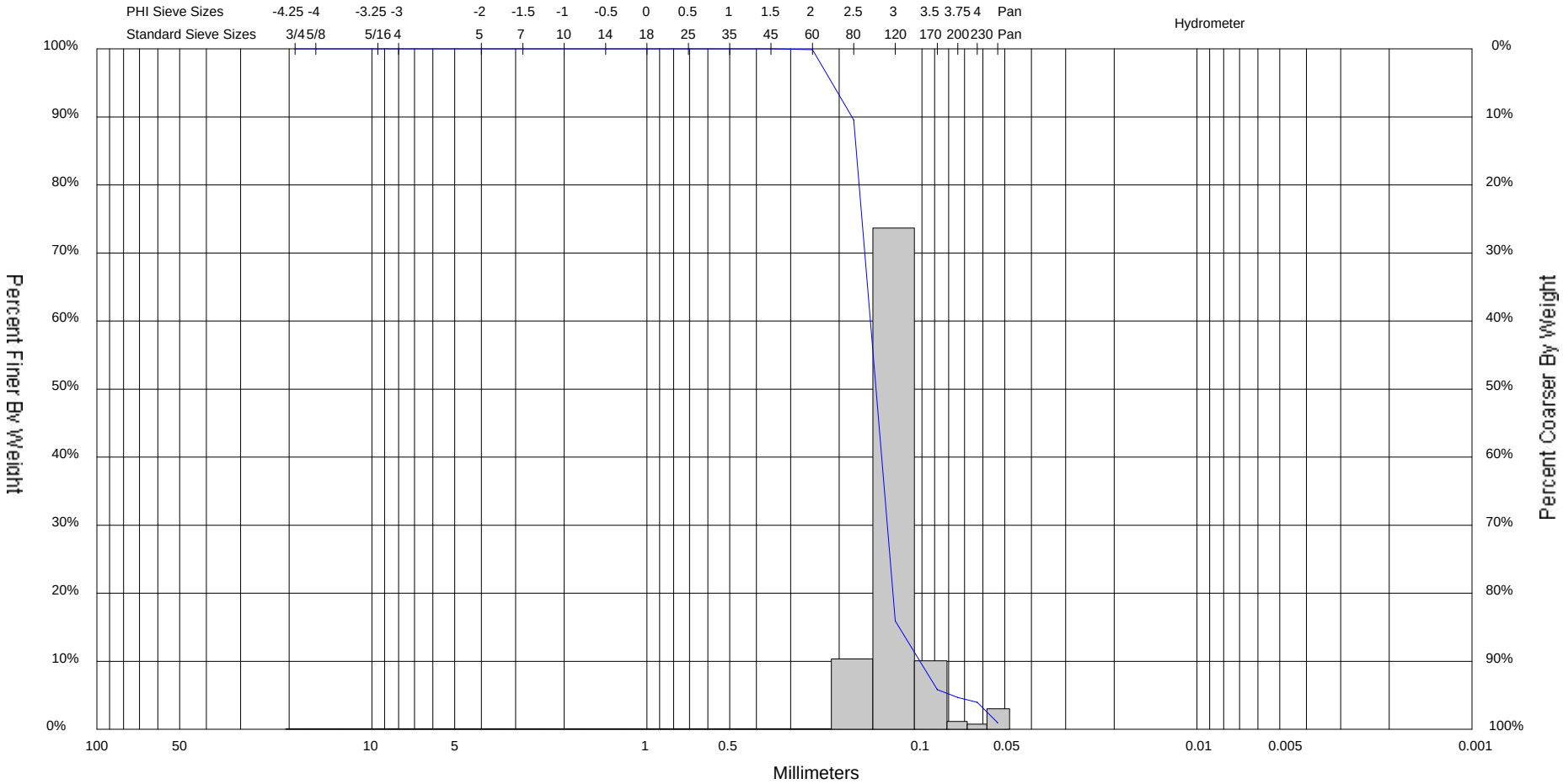
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-28 S#3 | | -43.2 | | SM | 11.44 | 0.14 | 0.12 | 0.71 | 2.01 | 0.59 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862766 |
| Northing (Y): | 222525 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

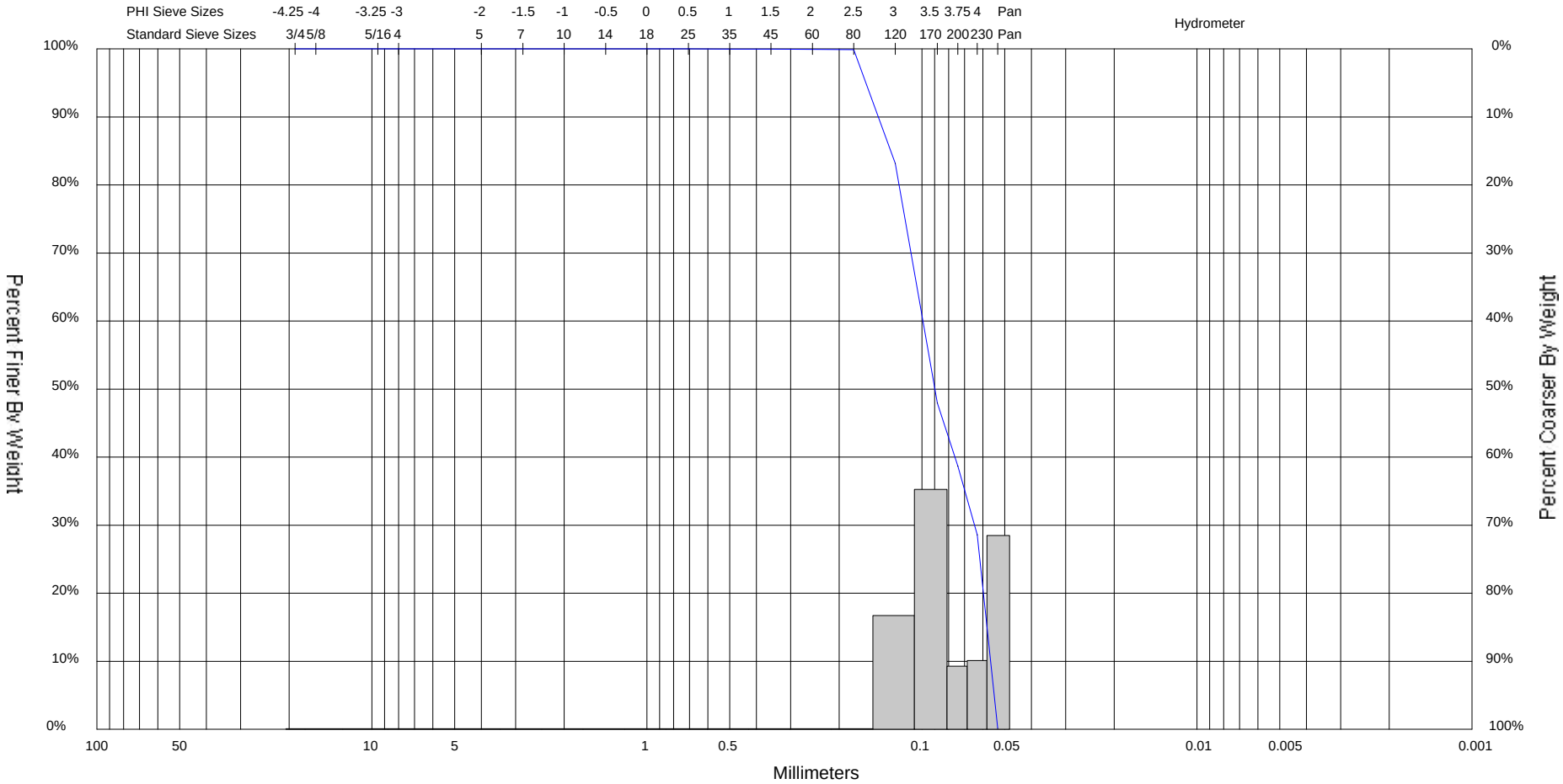
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-28 S#4 | | -50.2 | | SP | 3.94 | 0.15 | 0.14 | 0.70 | 2.54 | 0.46 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3862766 |
| Northing (Y): | 222525 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

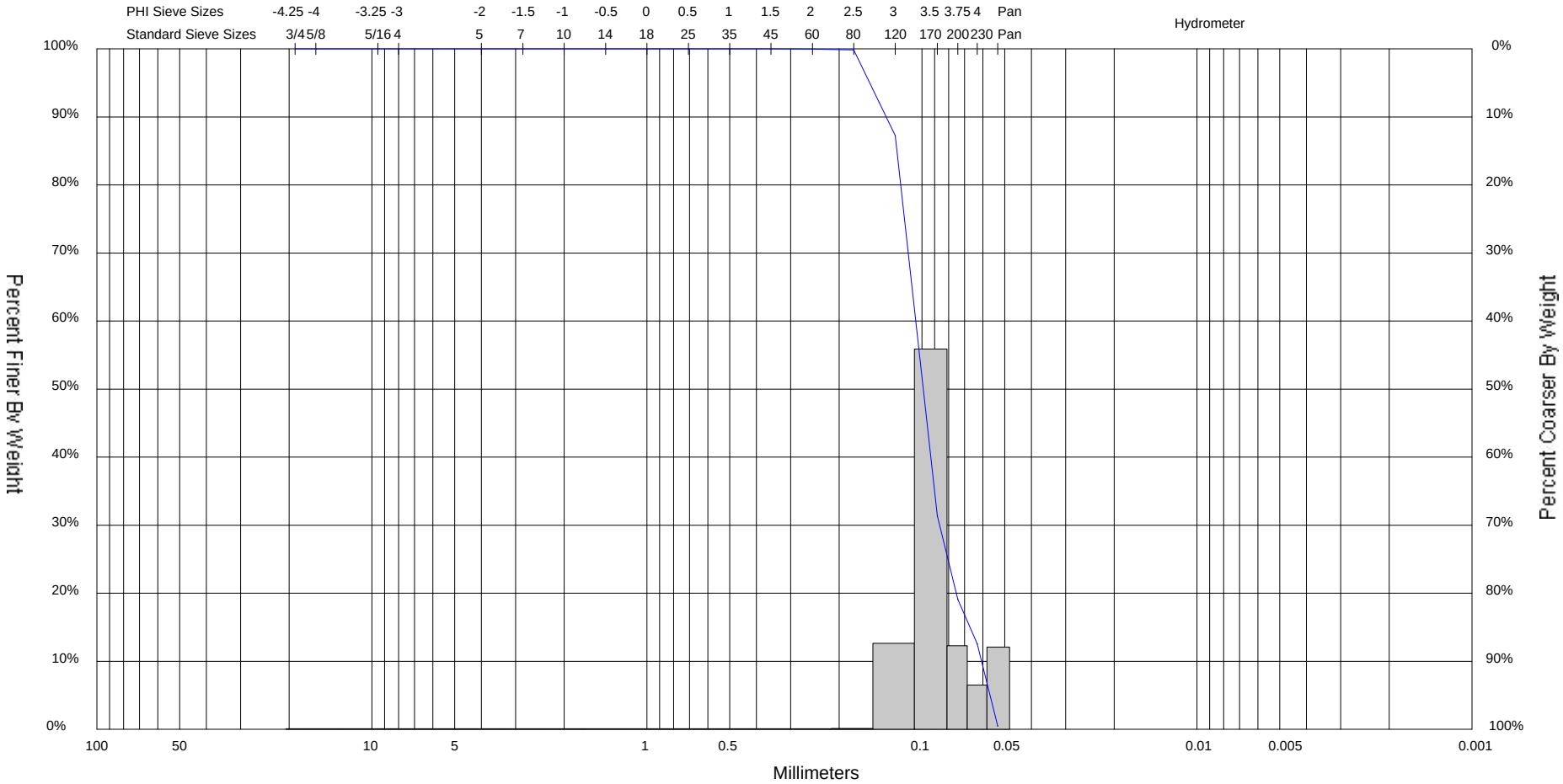
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-29 S#3 | | -40.8 | | SM | 28.59 | 0.09 | 0.09 | -0.10 | 1.24 | 0.62 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3854692 |
| Northing (Y): | 233110 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

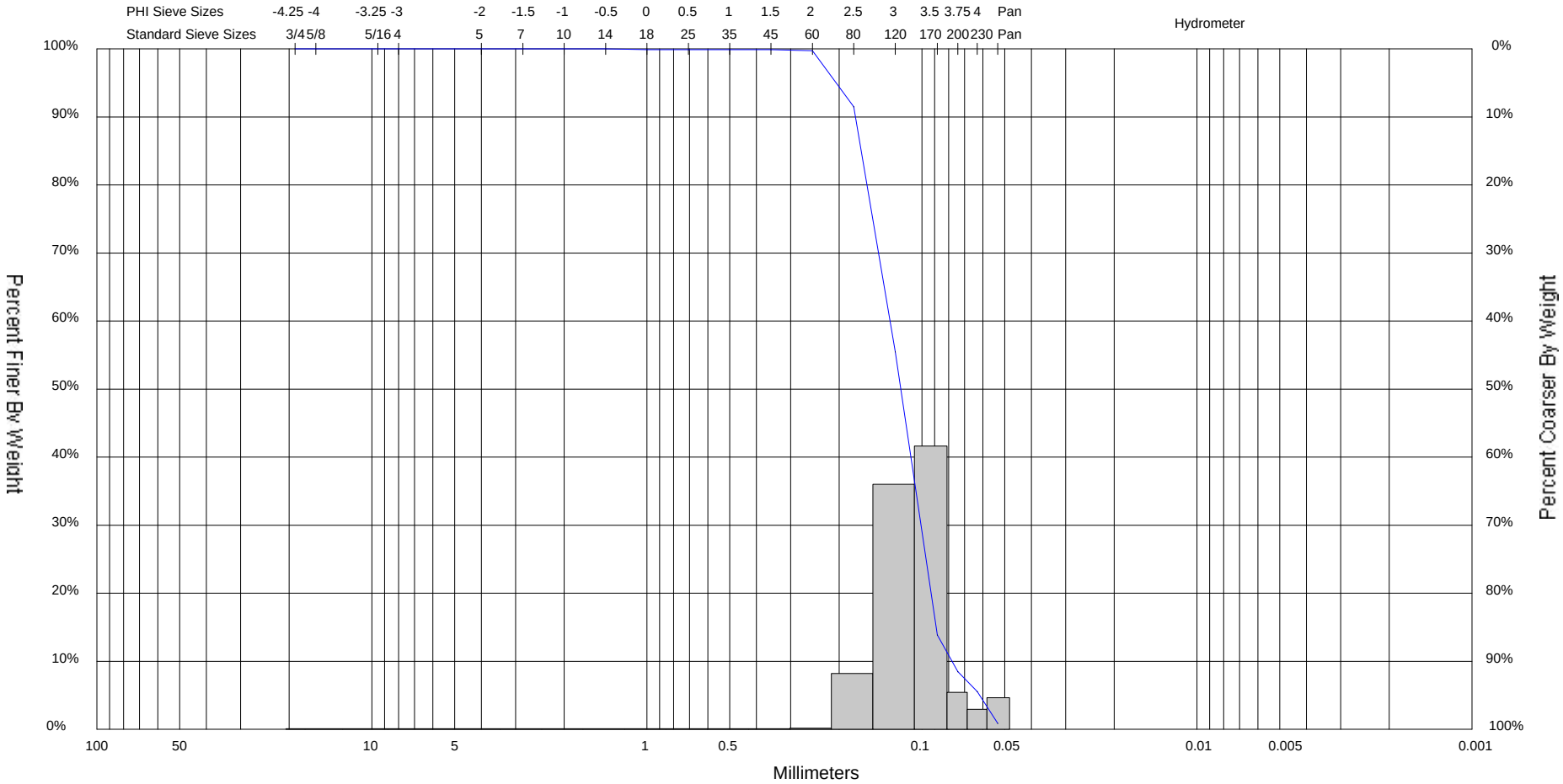
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-29 S#4 | | -45.8 | | SM | 12.57 | 0.10 | 0.09 | 0.13 | 1.59 | 0.51 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3854692 |
| Northing (Y): | 233110 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

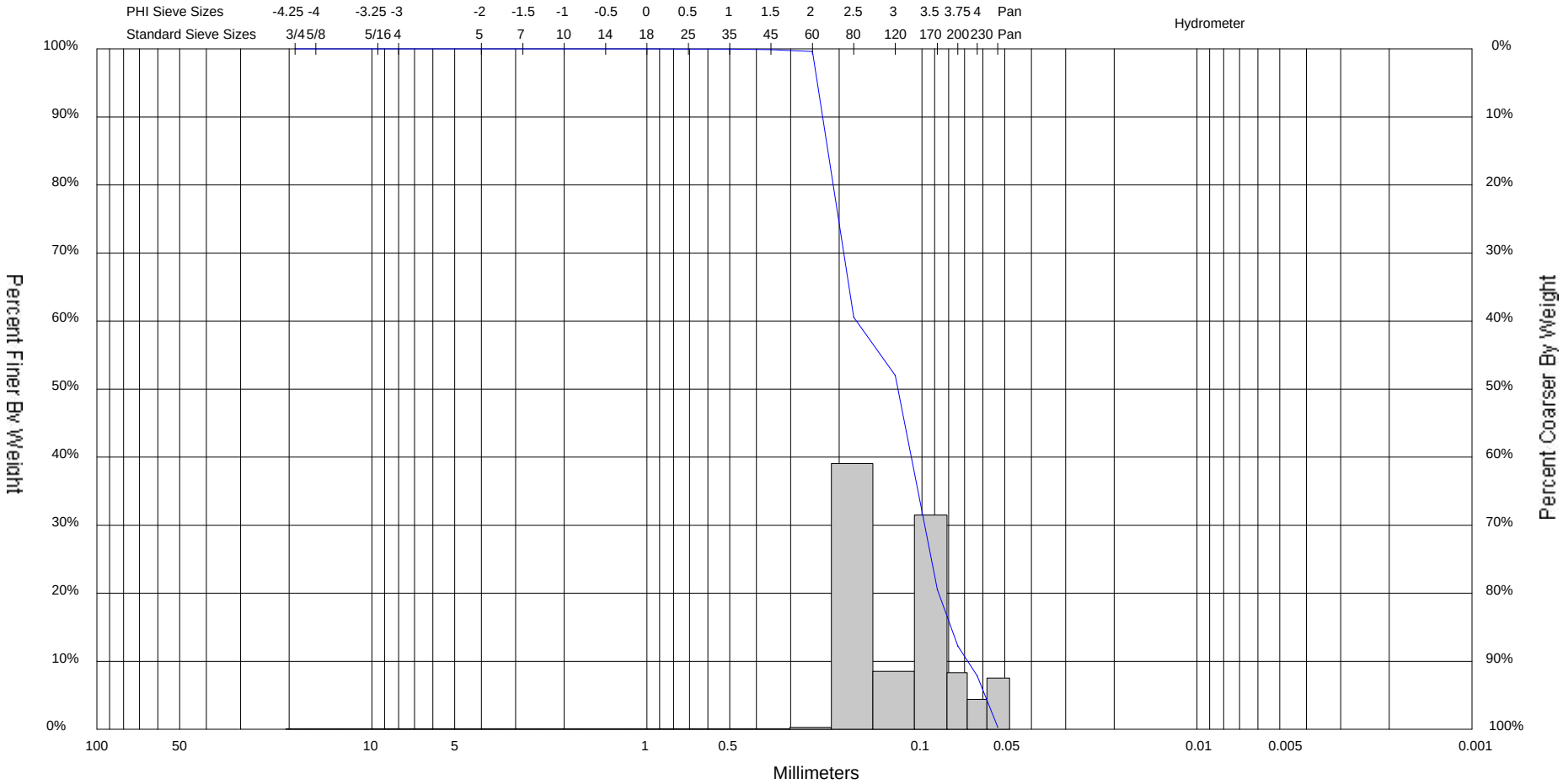
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-29 S#5 | | -49.8 | | SW-SM | 5.54 | 0.12 | 0.12 | 0.23 | 1.75 | 0.59 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3854692 |
| Northing (Y): | 233110 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

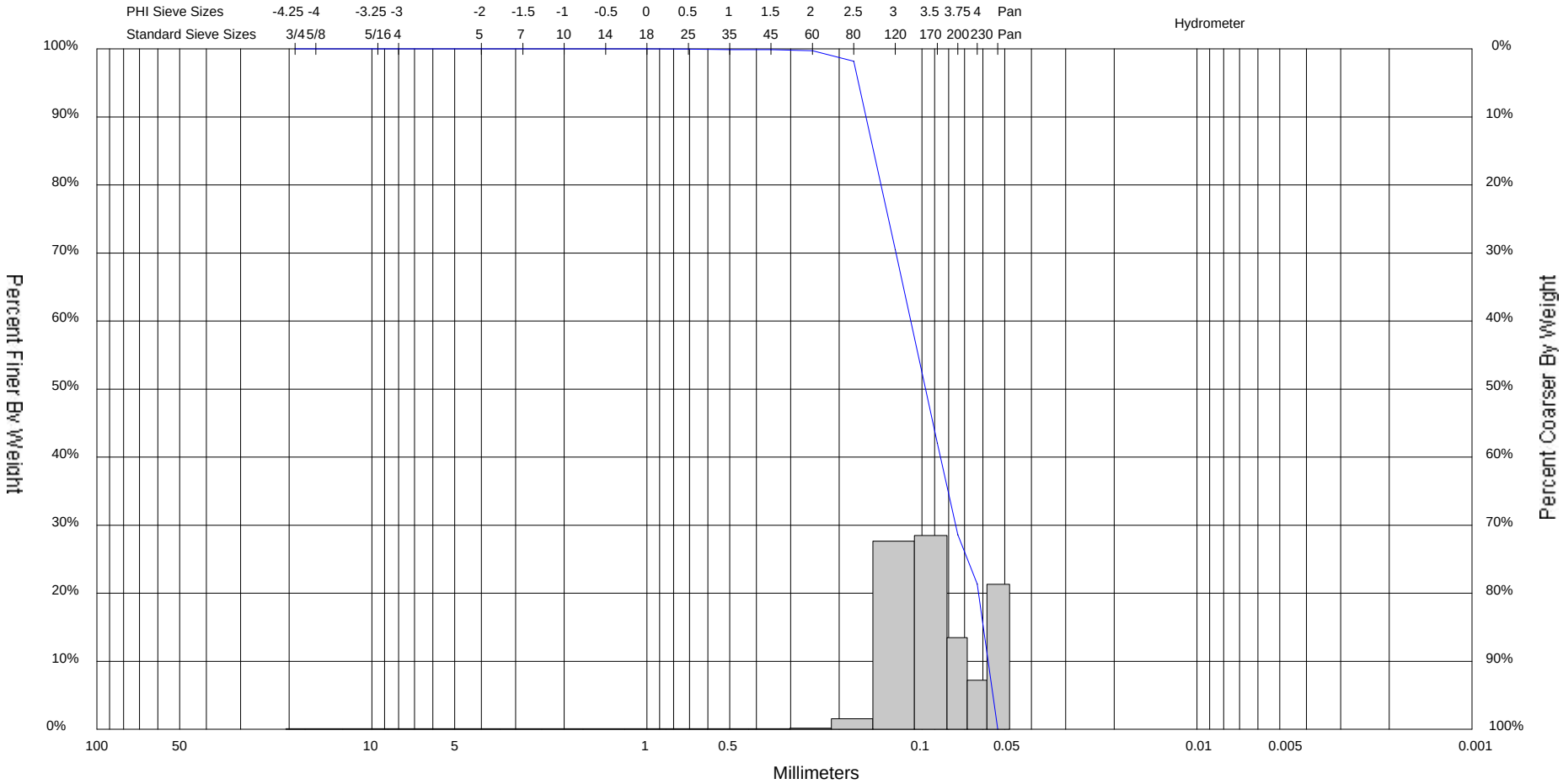
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-29a S#6 | | -50.8 | | SM | 7.84 | 0.12 | 0.13 | 0.12 | 1.29 | 0.79 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3854691 |
| Northing (Y): | 233114 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

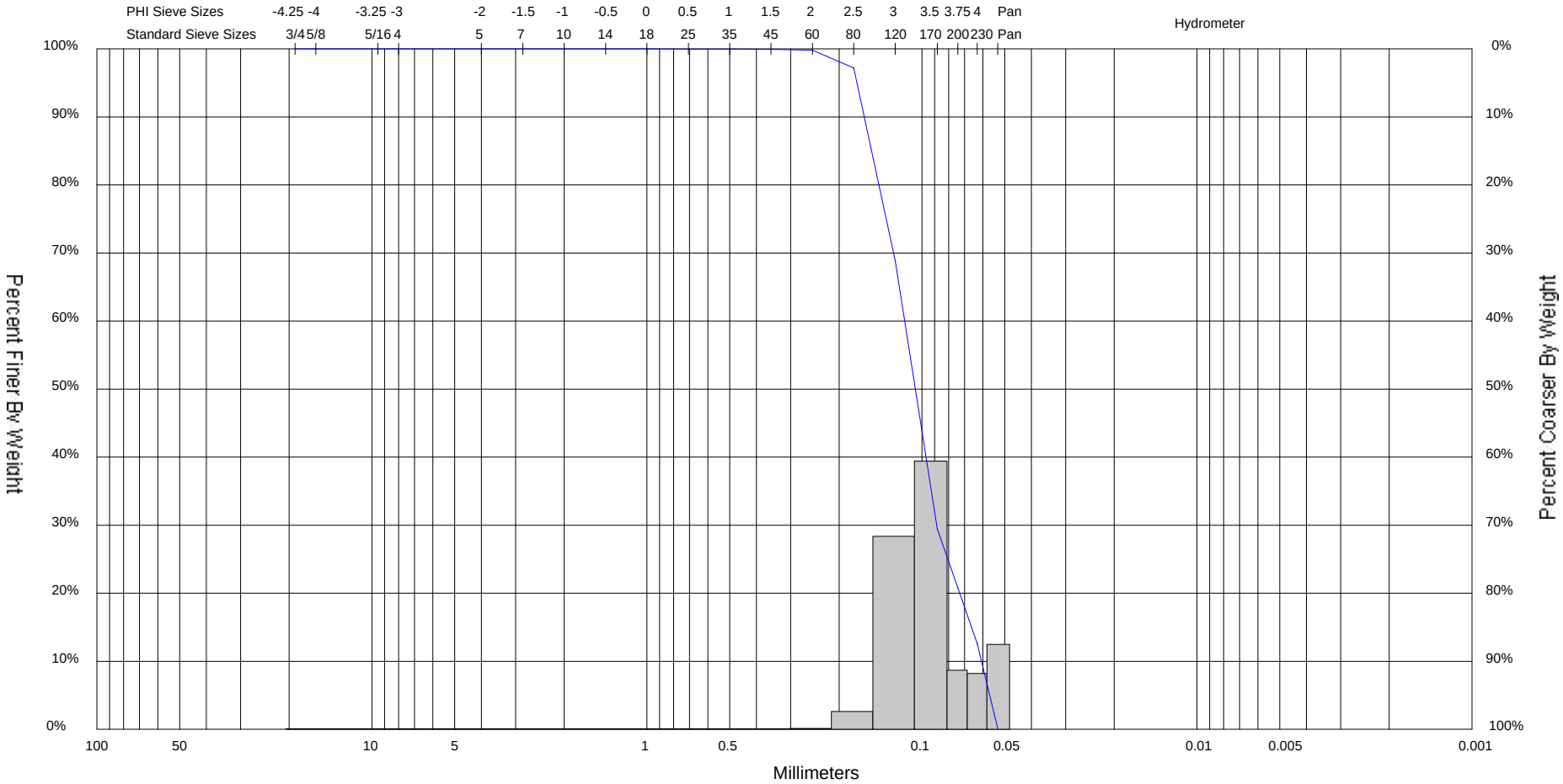
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-30 S#1 | | -36.1 | | SM | 21.34 | 0.10 | 0.10 | 0.00 | 1.17 | 0.66 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855322 |
| Northing (Y): | 233895 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

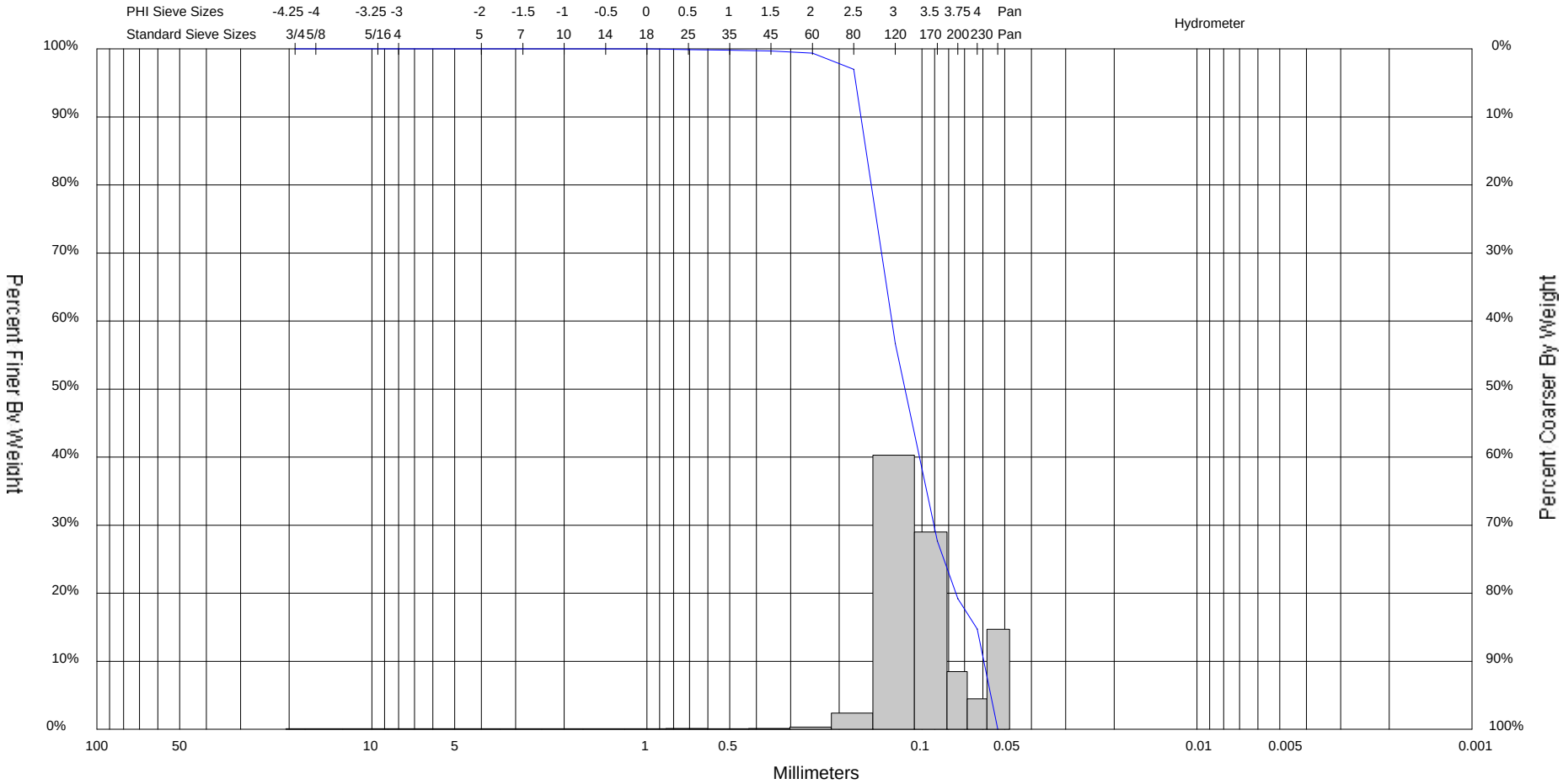
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-30 S#2 | | -37.4 | | SM | 12.59 | 0.11 | 0.10 | 0.14 | 1.33 | 0.61 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855322 |
| Northing (Y): | 233895 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

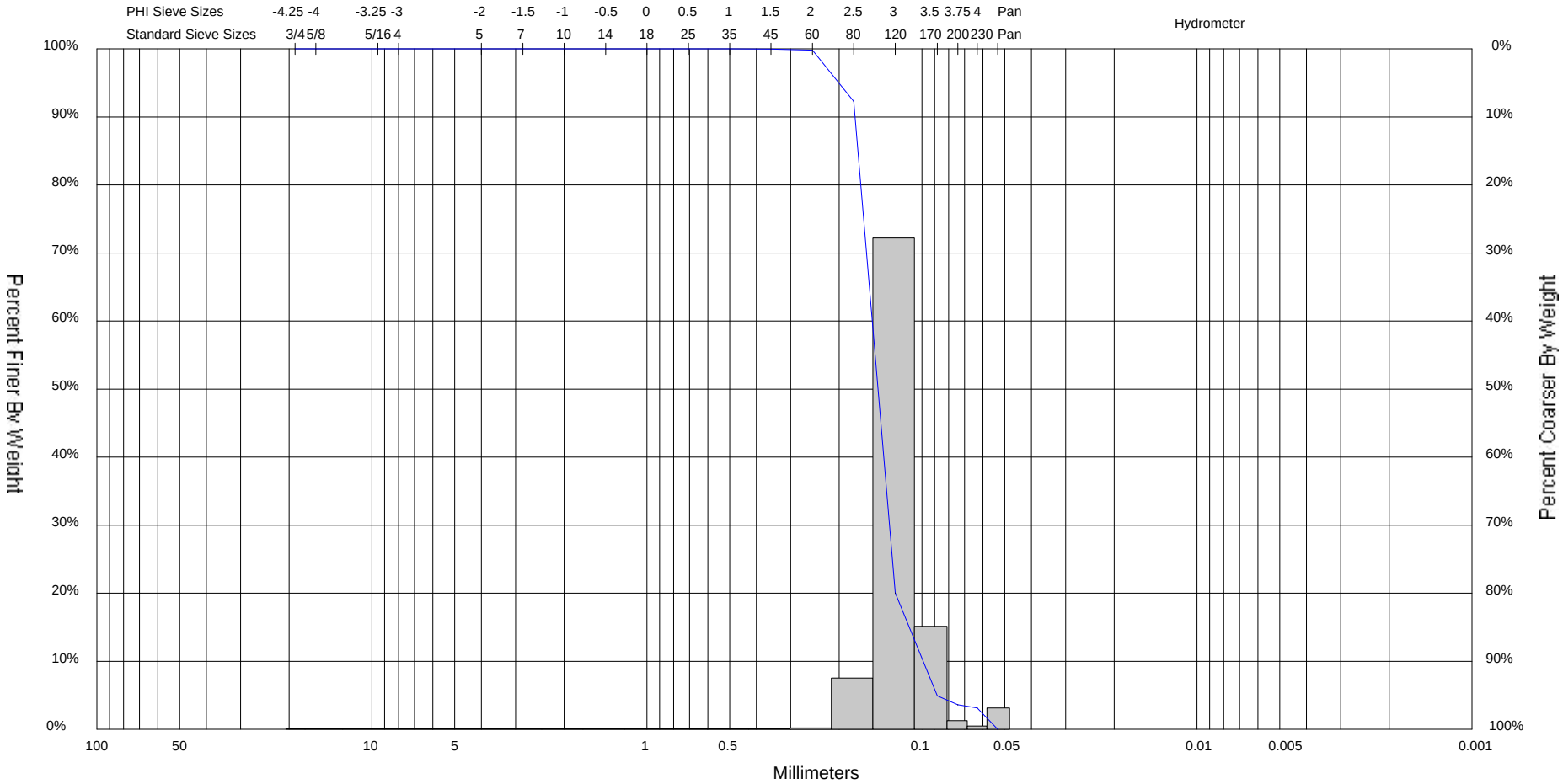
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-30 S#3 | | -39.4 | | SM | 14.72 | 0.12 | 0.11 | 0.26 | 1.29 | 0.65 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855322 |
| Northing (Y): | 233895 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

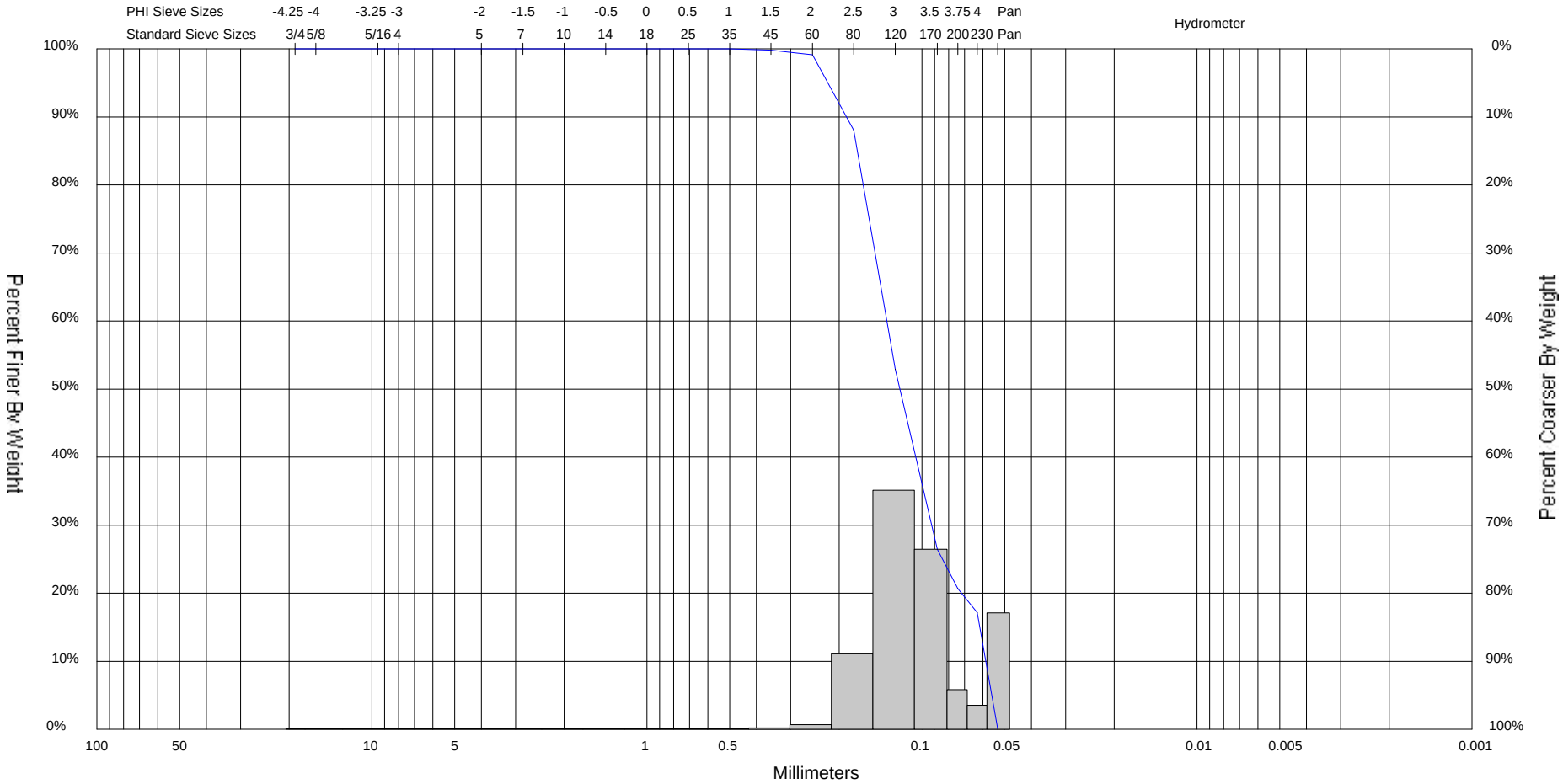
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-30 S#4 | | -43.4 | | SP | 3.14 | 0.14 | 0.14 | 0.36 | 1.89 | 0.40 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855322 |
| Northing (Y): | 233895 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

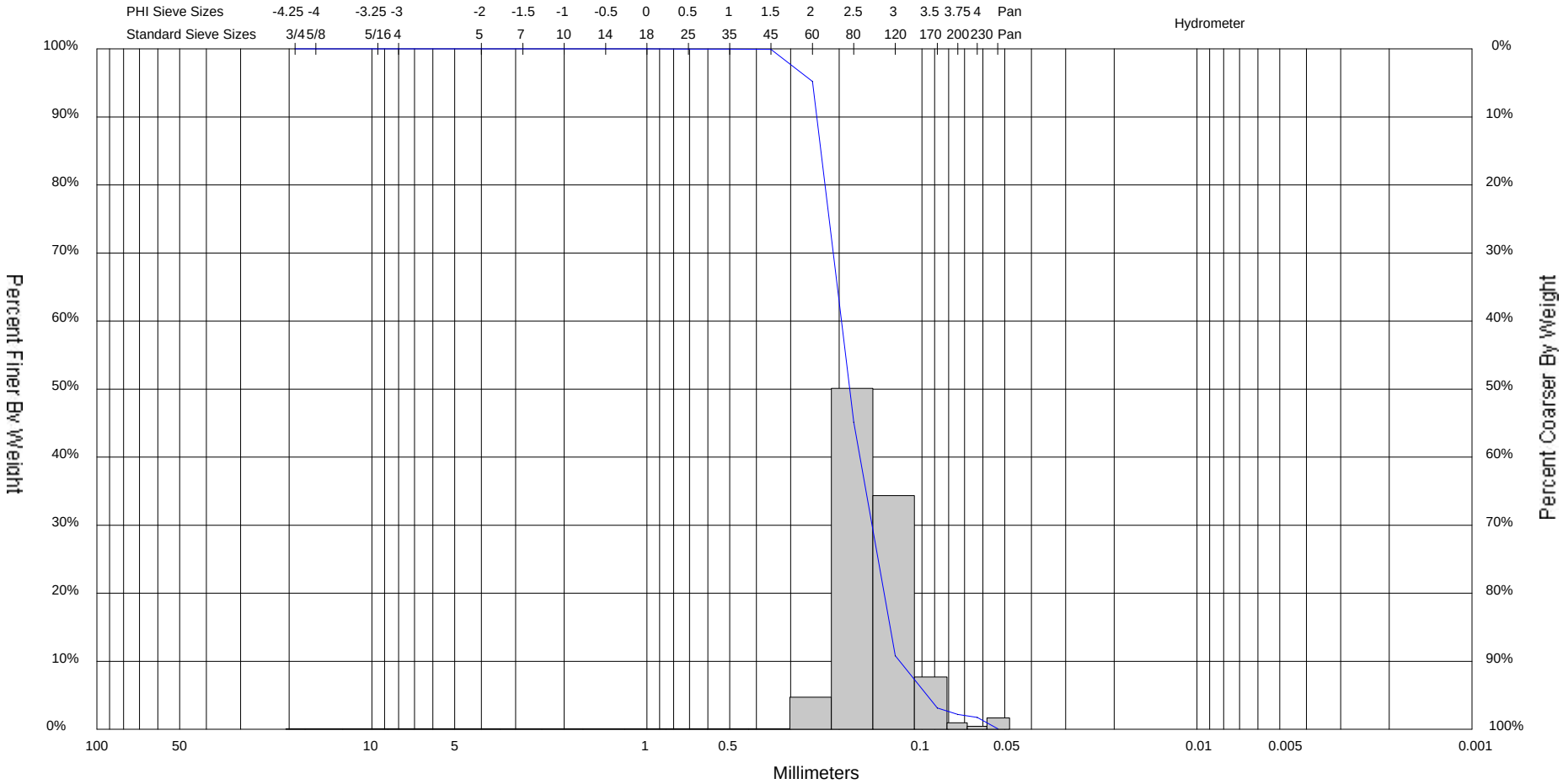
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-30 S#5 | | -46.4 | | SM | 17.14 | 0.12 | 0.11 | 0.12 | 1.34 | 0.76 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855322 |
| Northing (Y): | 233895 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

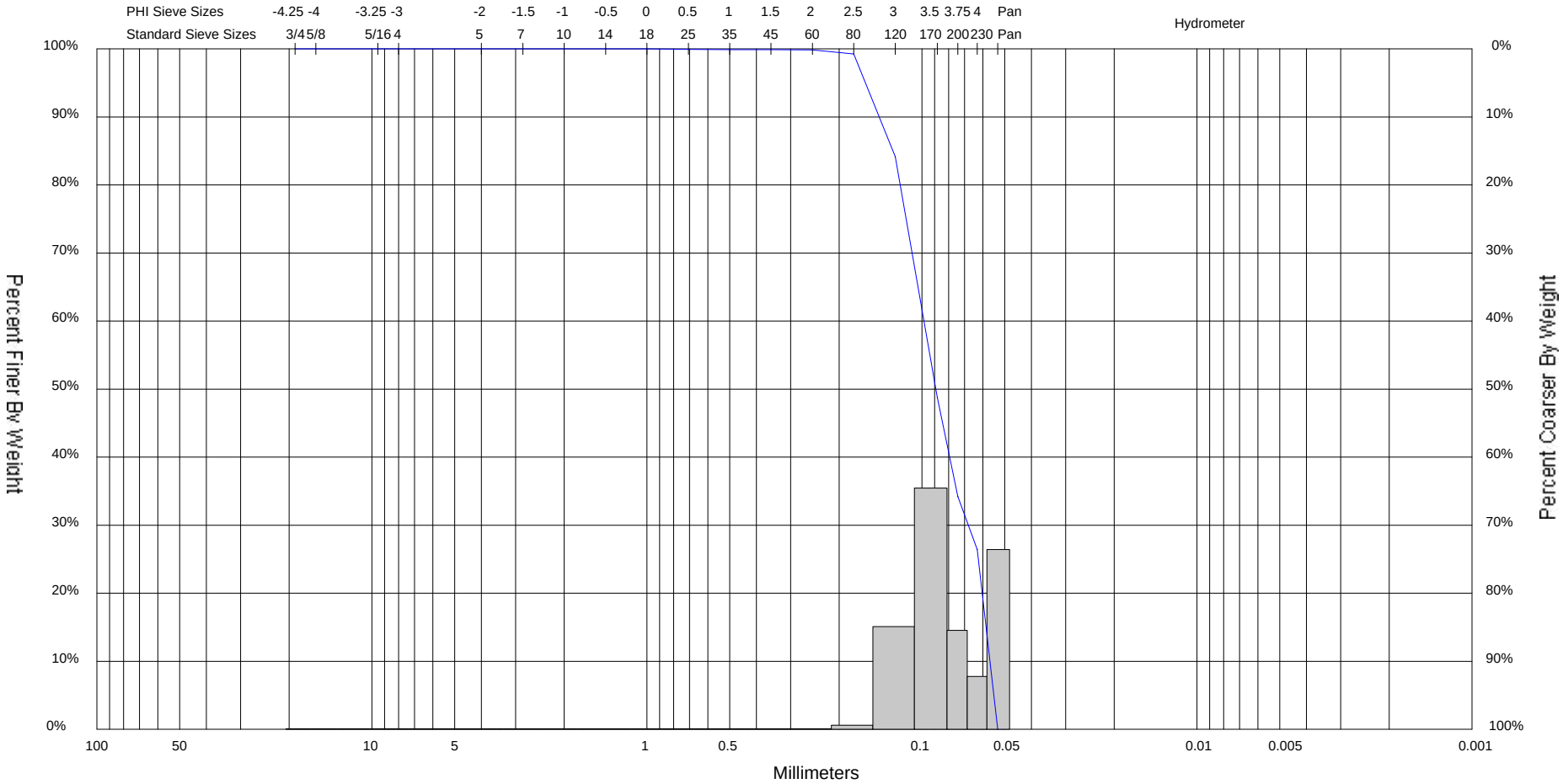
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-30 S#7 | | -50.9 | | SP | 1.75 | 0.18 | 0.17 | 0.44 | 1.67 | 0.50 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855322 |
| Northing (Y): | 233895 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

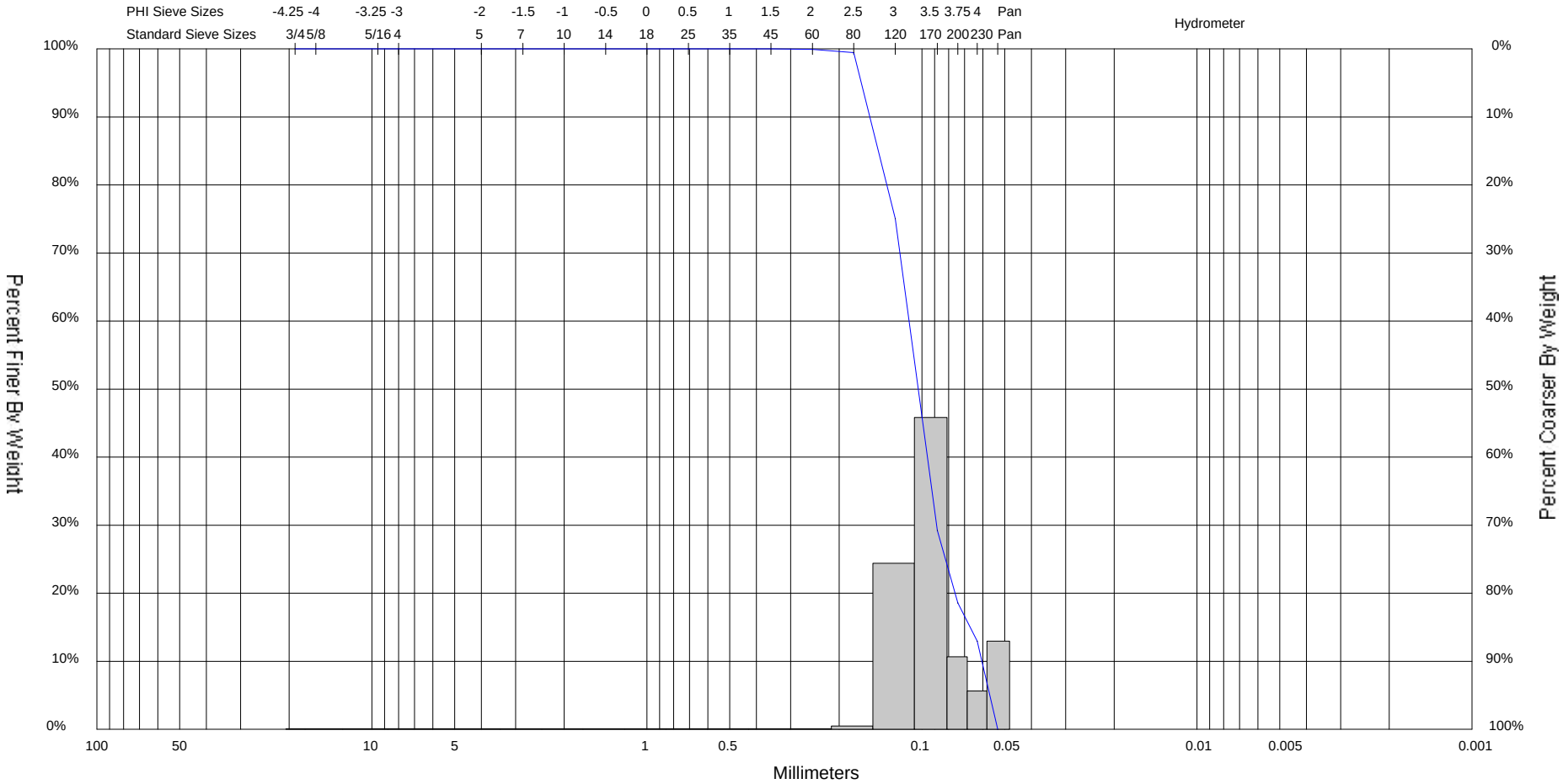
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-31 S#2 | | -37 | | SM | 26.43 | 0.09 | 0.09 | -0.13 | 1.28 | 0.61 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855838 |
| Northing (Y): | 234127 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

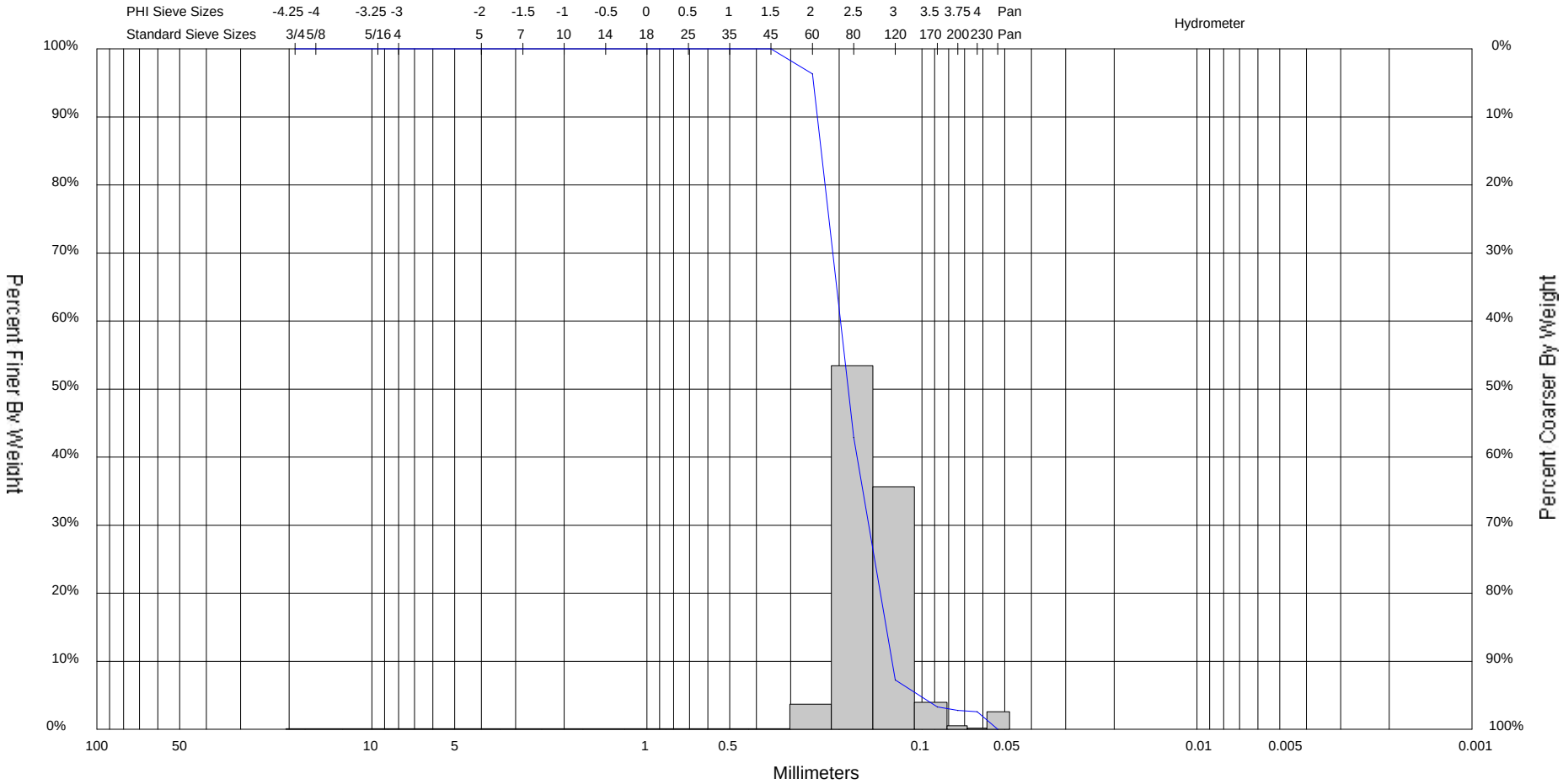
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-31 S#3 | | -40.5 | | SM | 12.95 | 0.10 | 0.10 | 0.15 | 1.45 | 0.57 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855838 |
| Northing (Y): | 234127 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

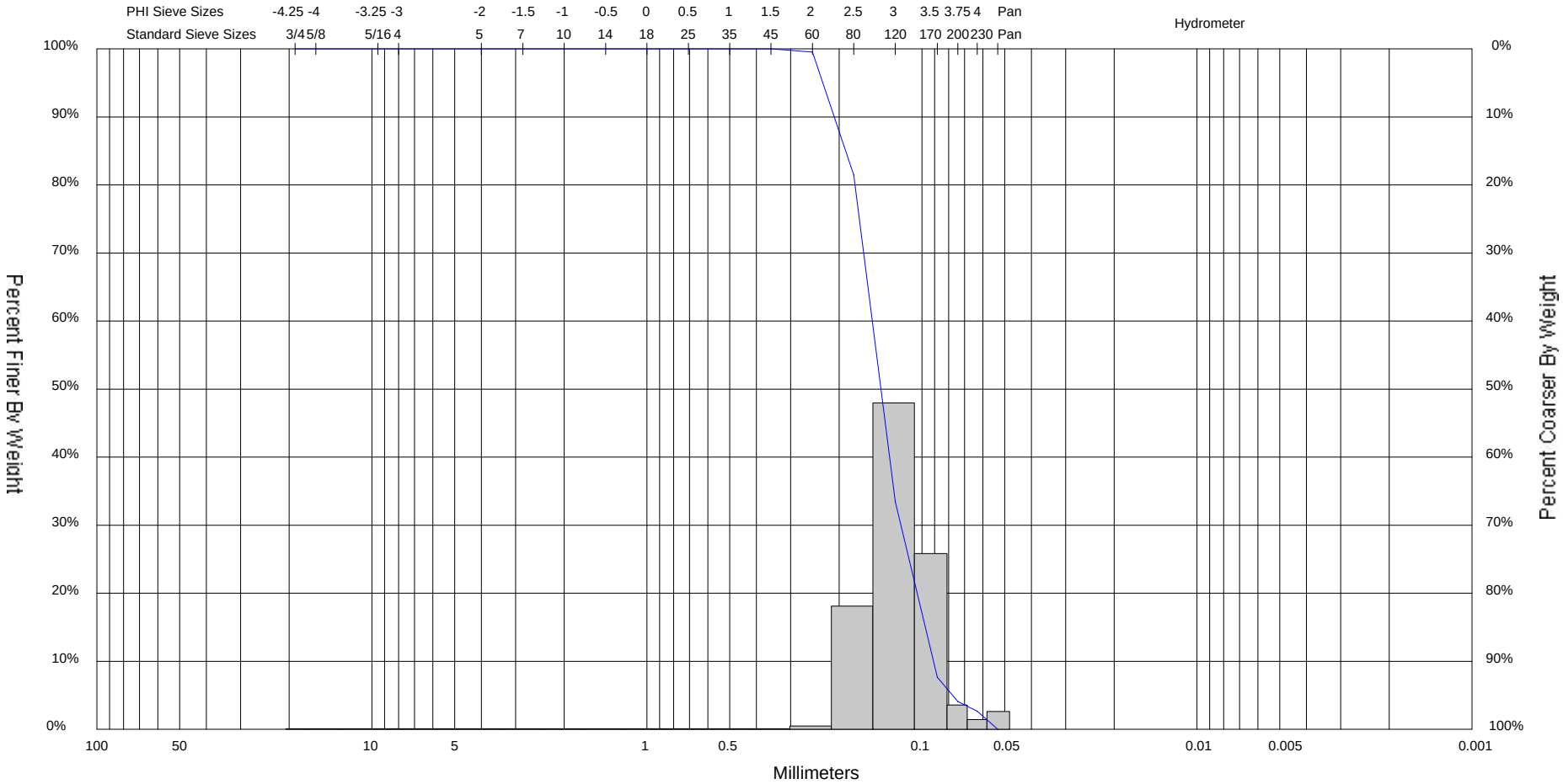
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-31 S#4 | | -44 | | SP | 2.59 | 0.19 | 0.17 | 0.42 | 1.64 | 0.46 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855838 |
| Northing (Y): | 234127 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

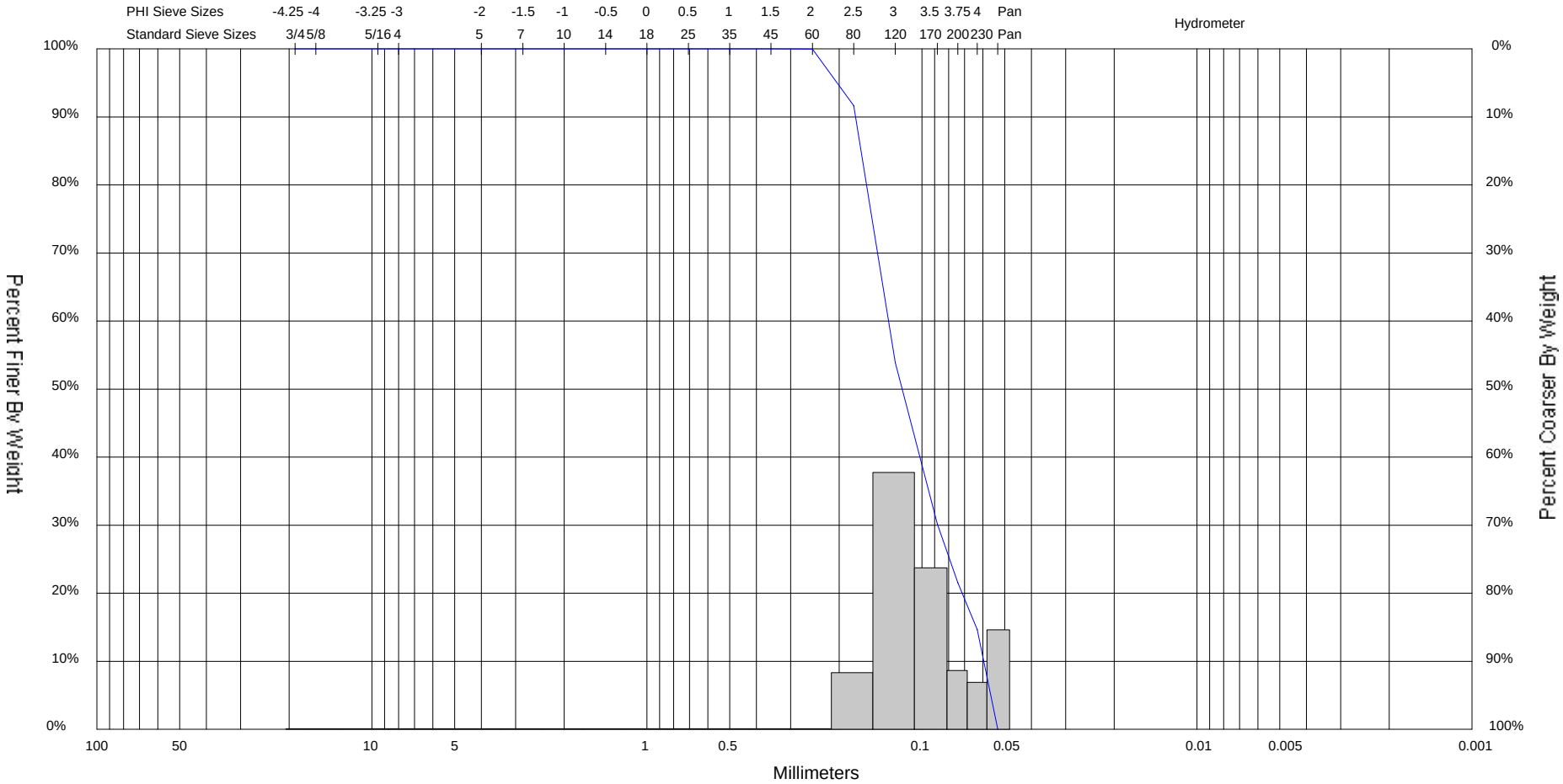
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-31 S#5 | | -46 | | SP | 2.64 | 0.14 | 0.14 | 0.11 | 1.55 | 0.55 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 2855838 |
| Northing (Y): | 234127 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

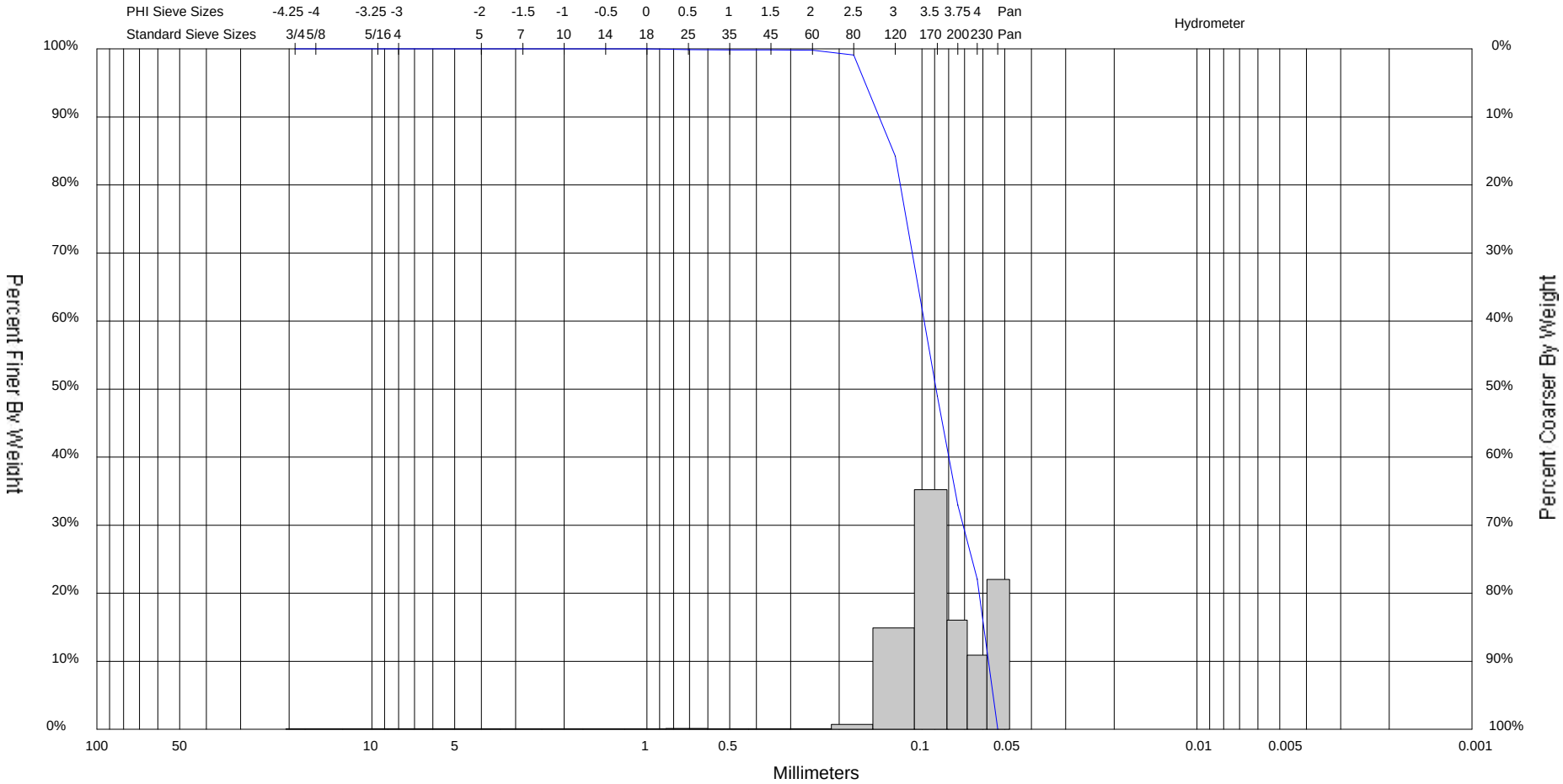
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-31 S#6 | | -49 | | SM | 14.64 | 0.12 | 0.11 | 0.12 | 1.27 | 0.72 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855838 |
| Northing (Y): | 234127 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

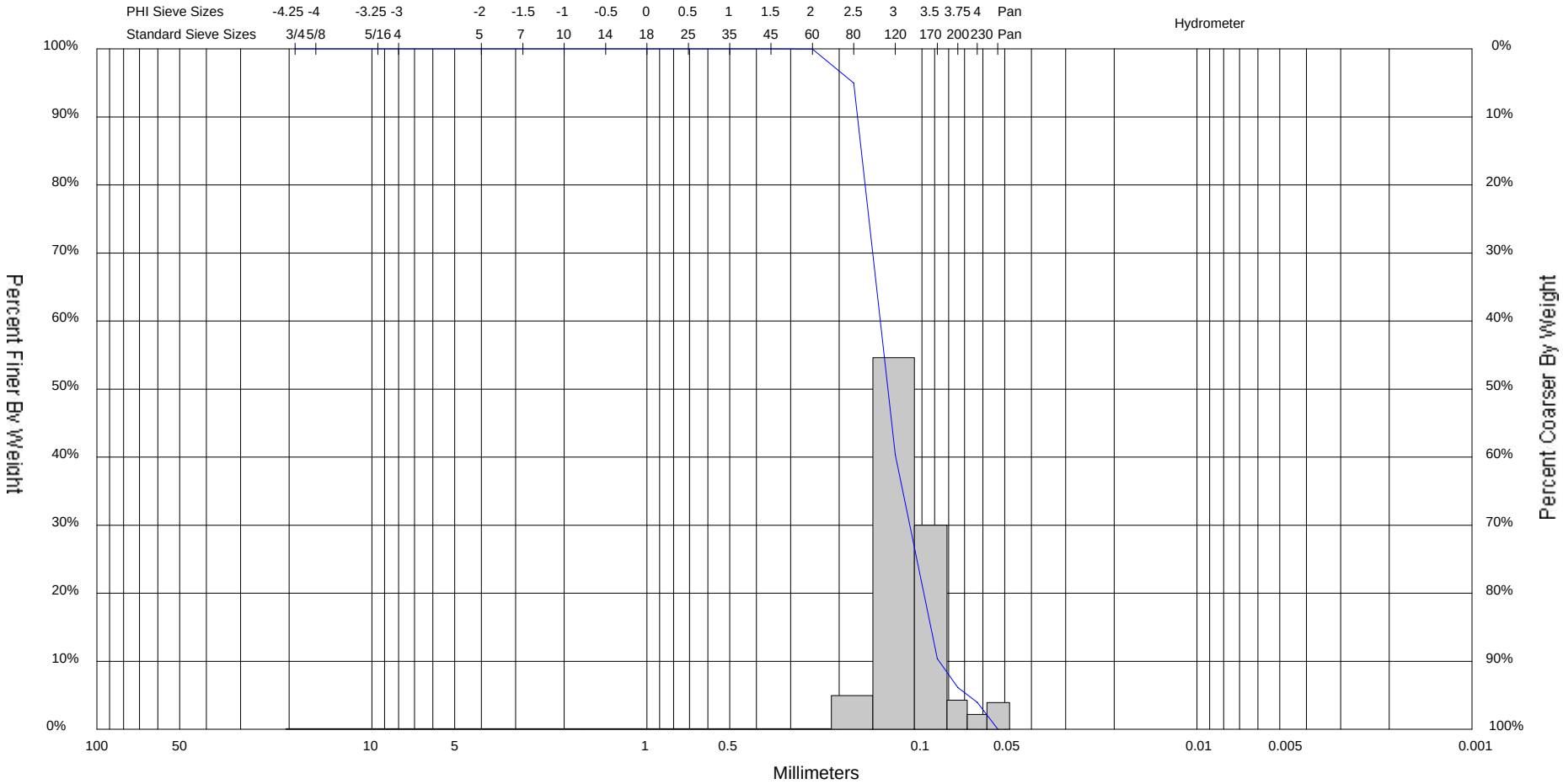
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-32 S#2 | | -38.6 | | SM | 22.06 | 0.09 | 0.09 | -0.14 | 1.33 | 0.59 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855117 |
| Northing (Y): | 233418 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

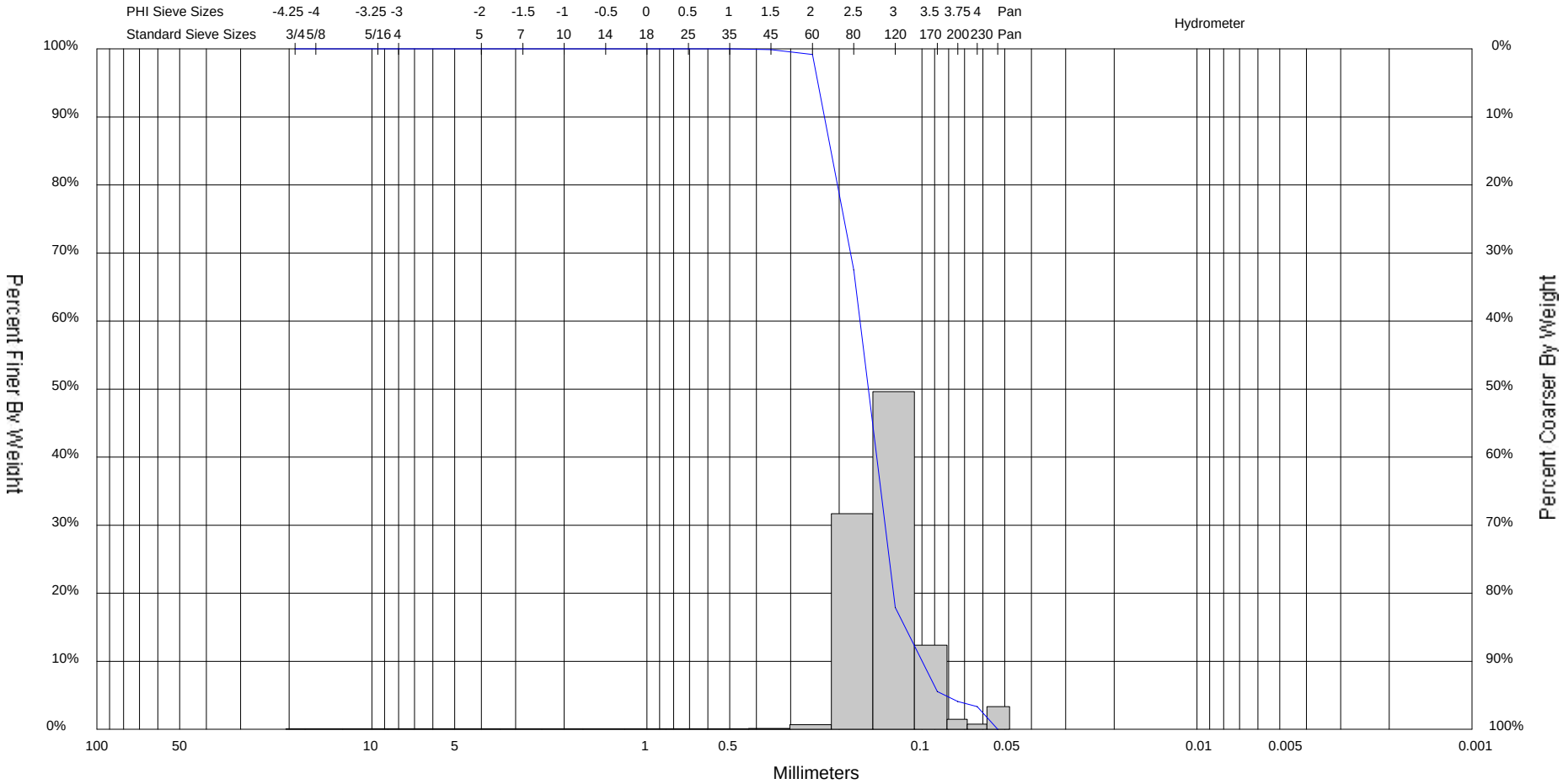
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-32 S#3 | | -43.6 | | SW-SM | 3.94 | 0.13 | 0.12 | 0.51 | 1.74 | 0.50 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855117 |
| Northing (Y): | 233418 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

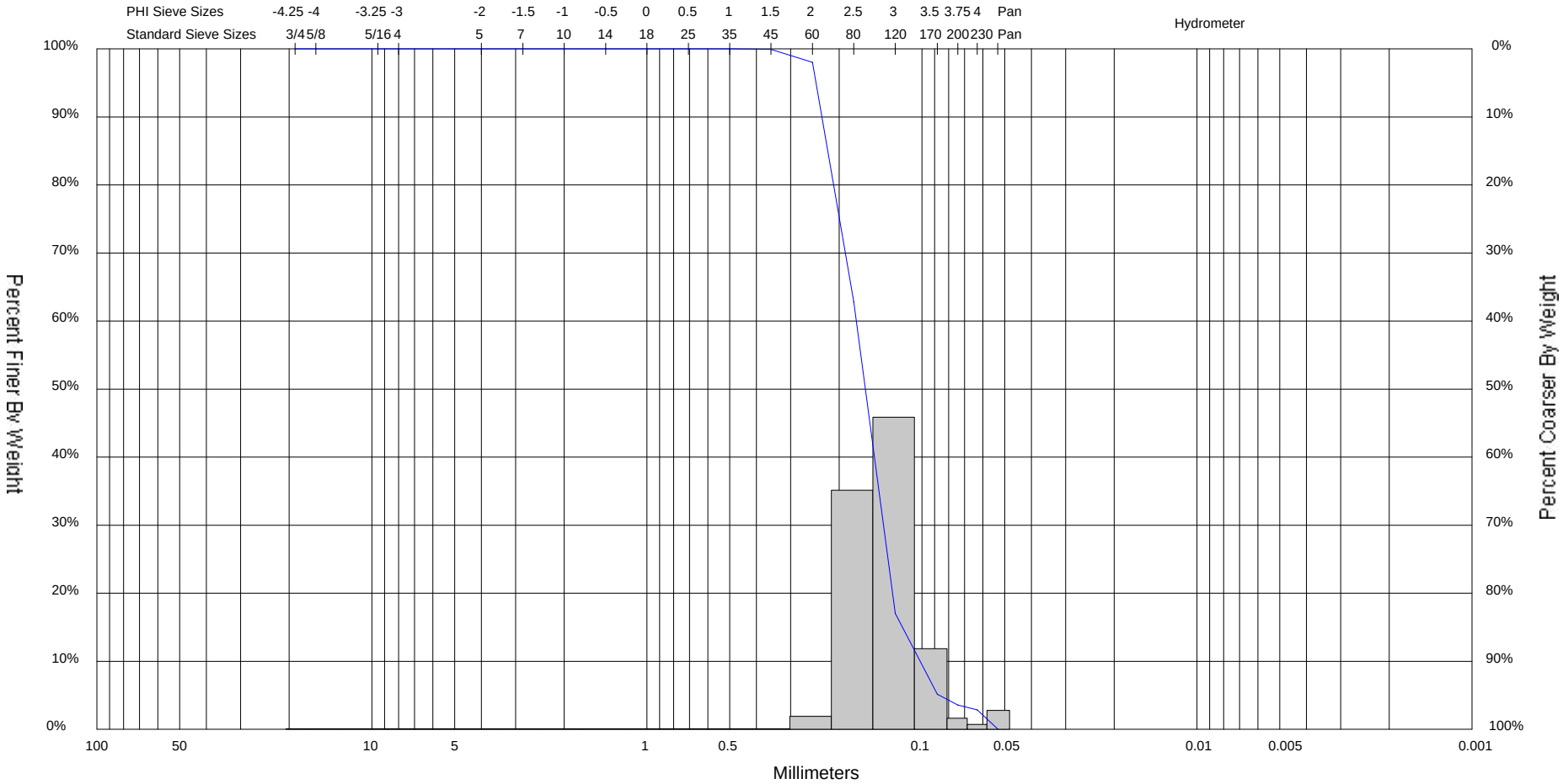
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-32 S#5 | | -47.1 | | SP | 3.33 | 0.16 | 0.15 | 0.38 | 1.78 | 0.53 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855117 |
| Northing (Y): | 233418 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

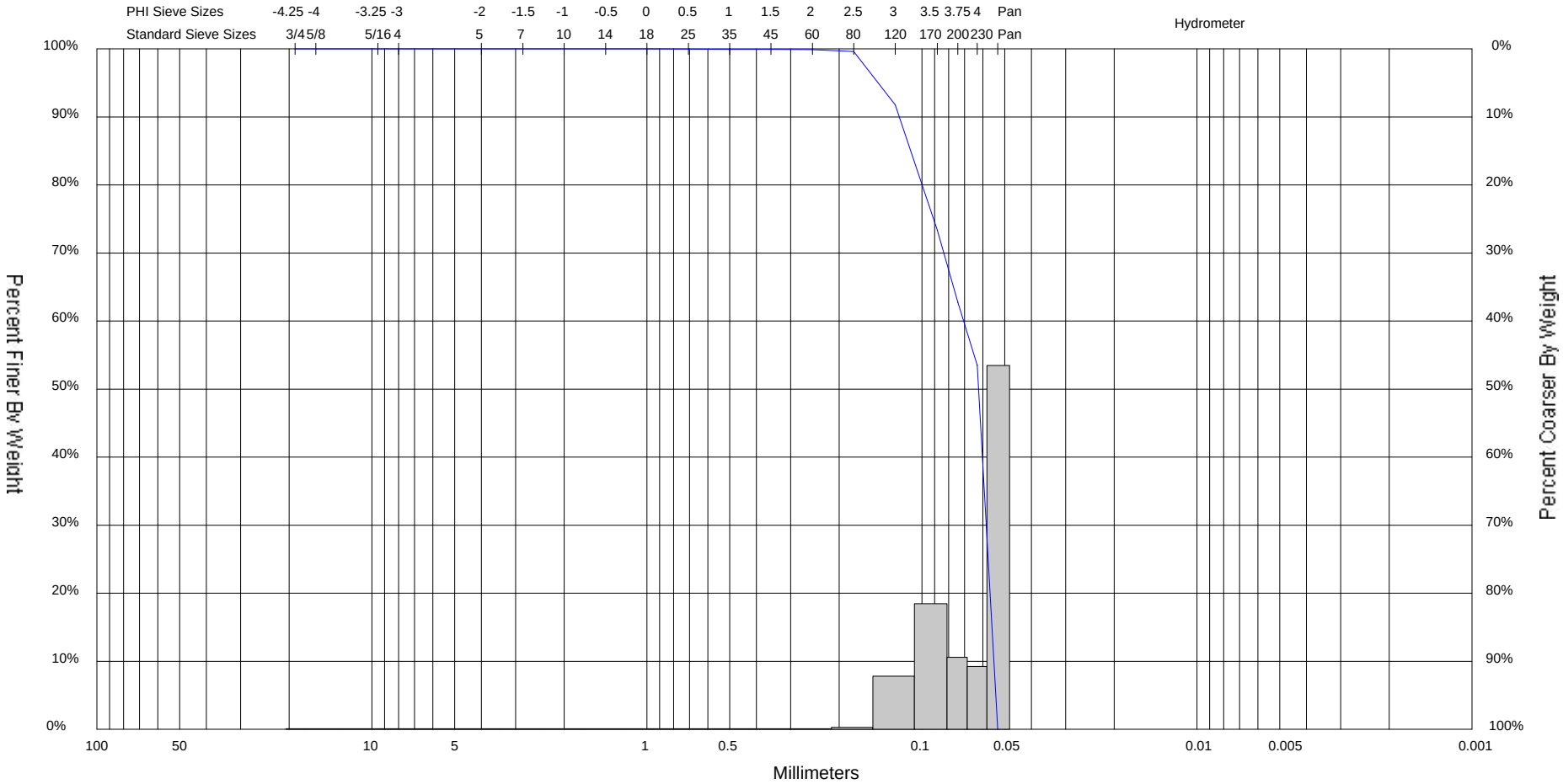
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-32 S#6 | | -50.6 | | SP | 2.83 | 0.16 | 0.16 | 0.34 | 1.68 | 0.53 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855117 |
| Northing (Y): | 233418 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

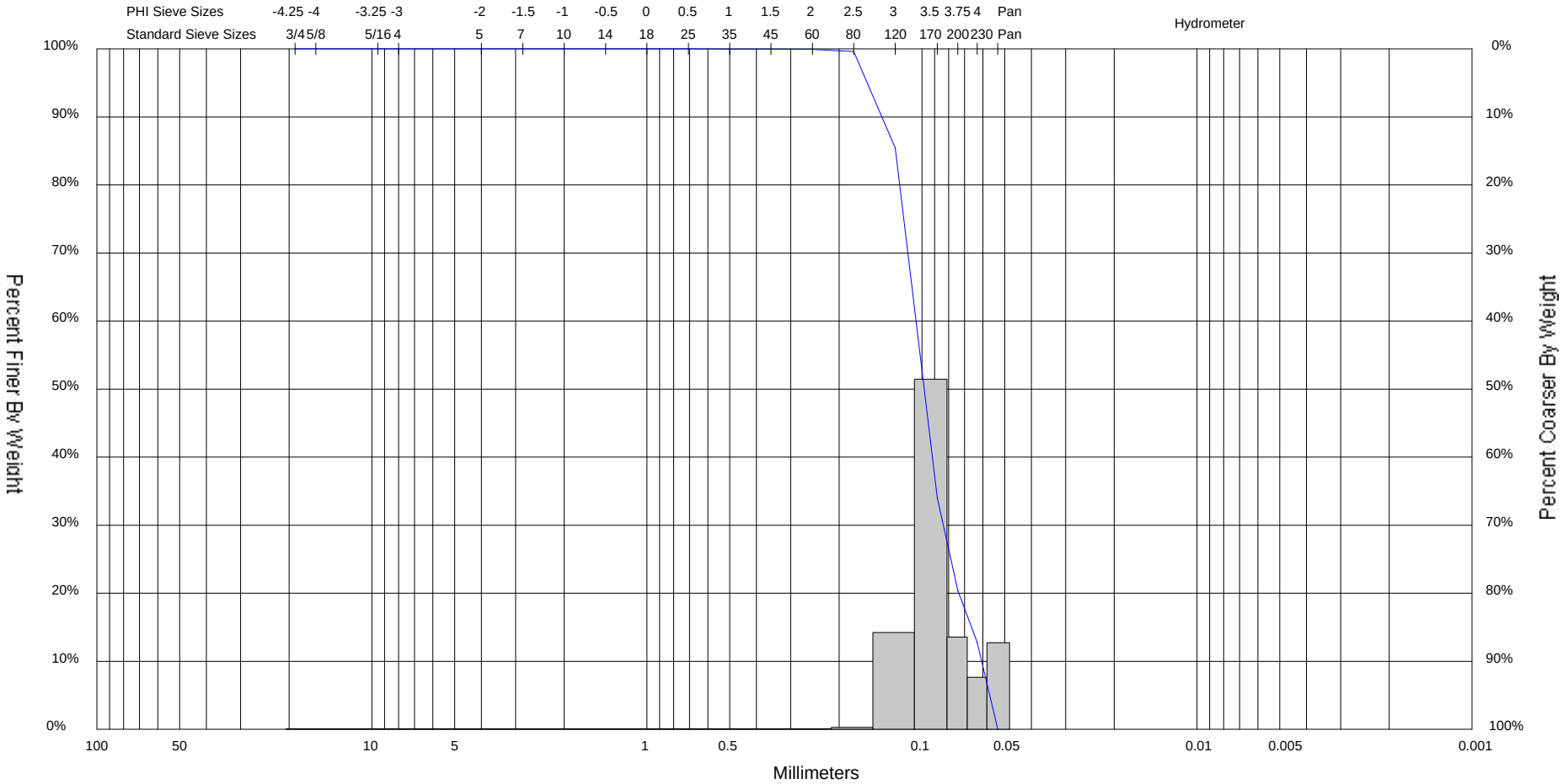
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-34 S#4 | | -40.9 | | ML | 53.51 | 0.06 | 0.08 | -0.56 | 1.55 | 0.56 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855068 |
| Northing (Y): | 232911 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

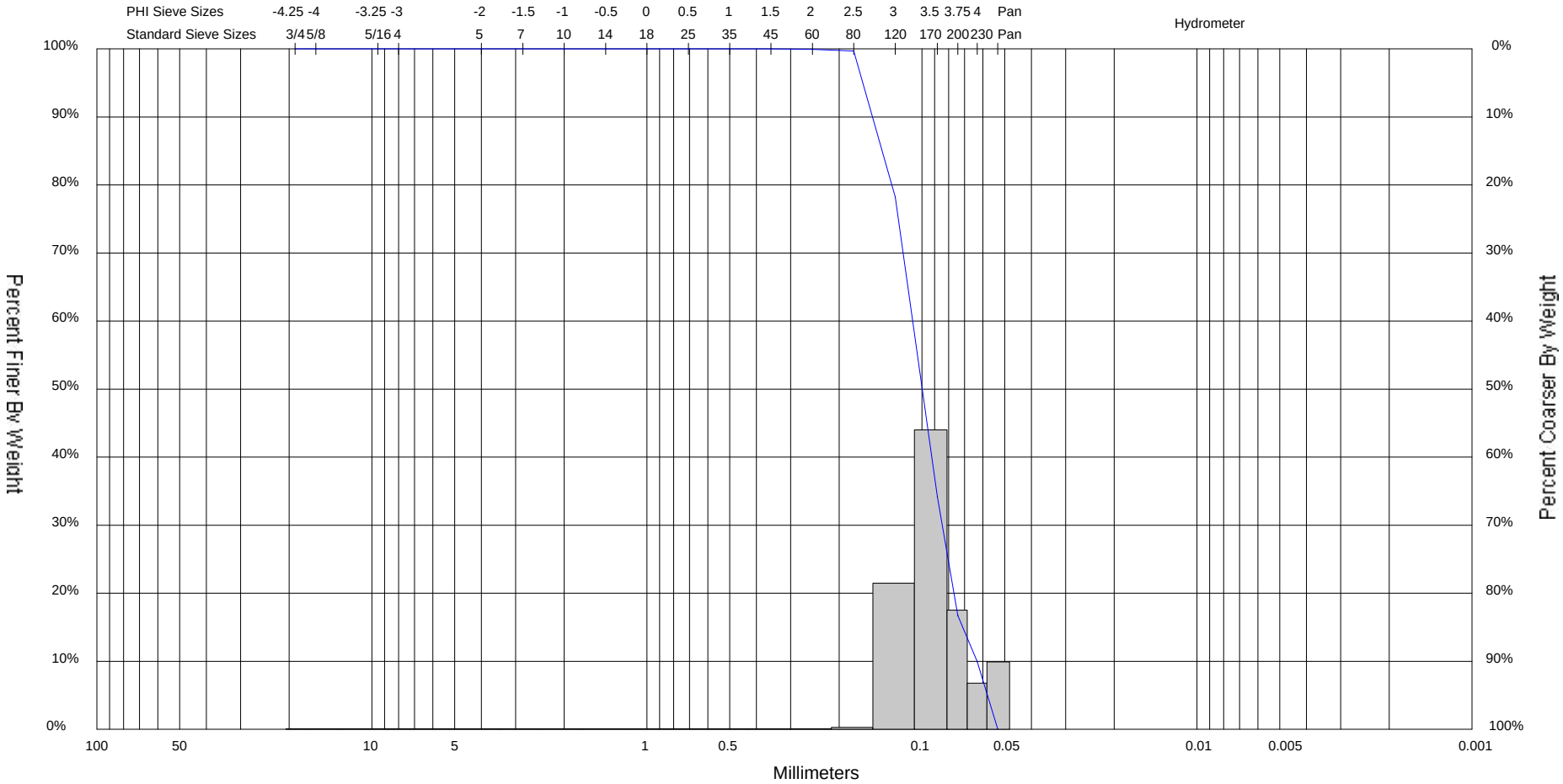
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-34 S#5 | | -43.9 | | SM | 12.75 | 0.10 | 0.09 | 0.06 | 1.53 | 0.53 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855068 |
| Northing (Y): | 232911 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

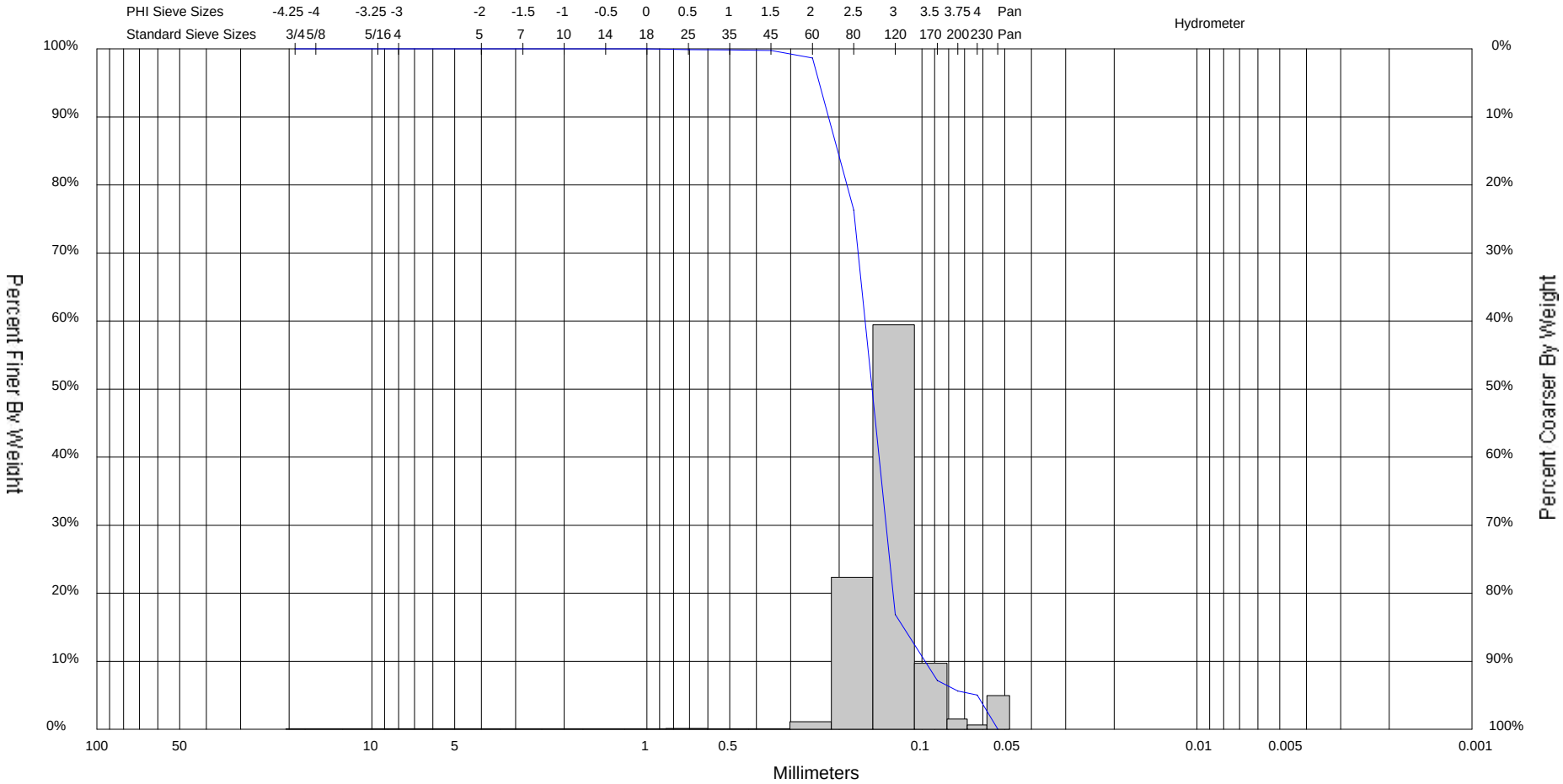
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-34 S#6 | | -48.4 | | SM | 9.93 | 0.10 | 0.10 | 0.08 | 1.52 | 0.54 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855068 |
| Northing (Y): | 232911 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

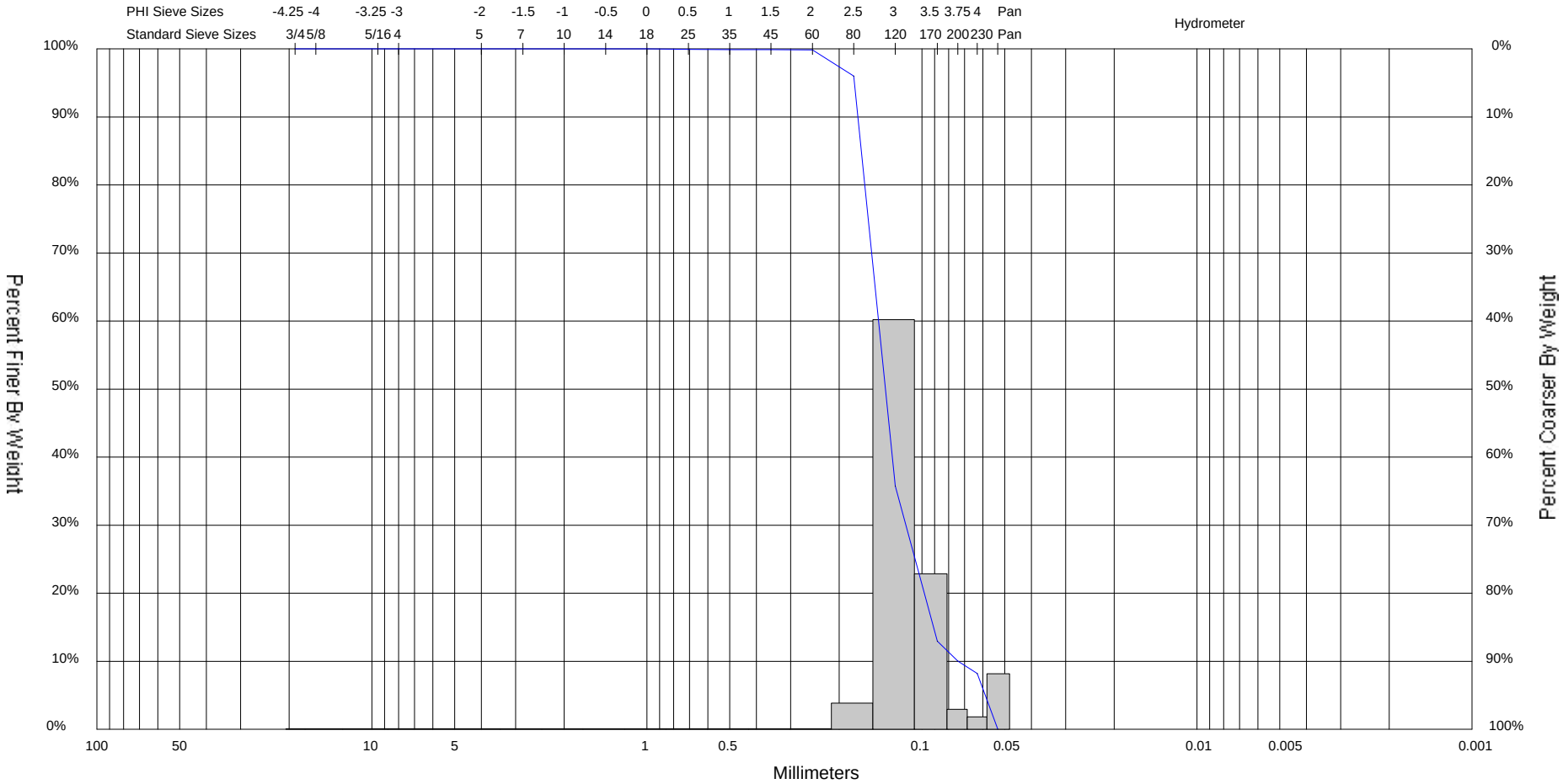
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-34 S#7 | | -51.9 | | SW-SM | 5.01 | 0.15 | 0.14 | 0.84 | 2.60 | 0.63 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3855068 |
| Northing (Y): | 232911 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

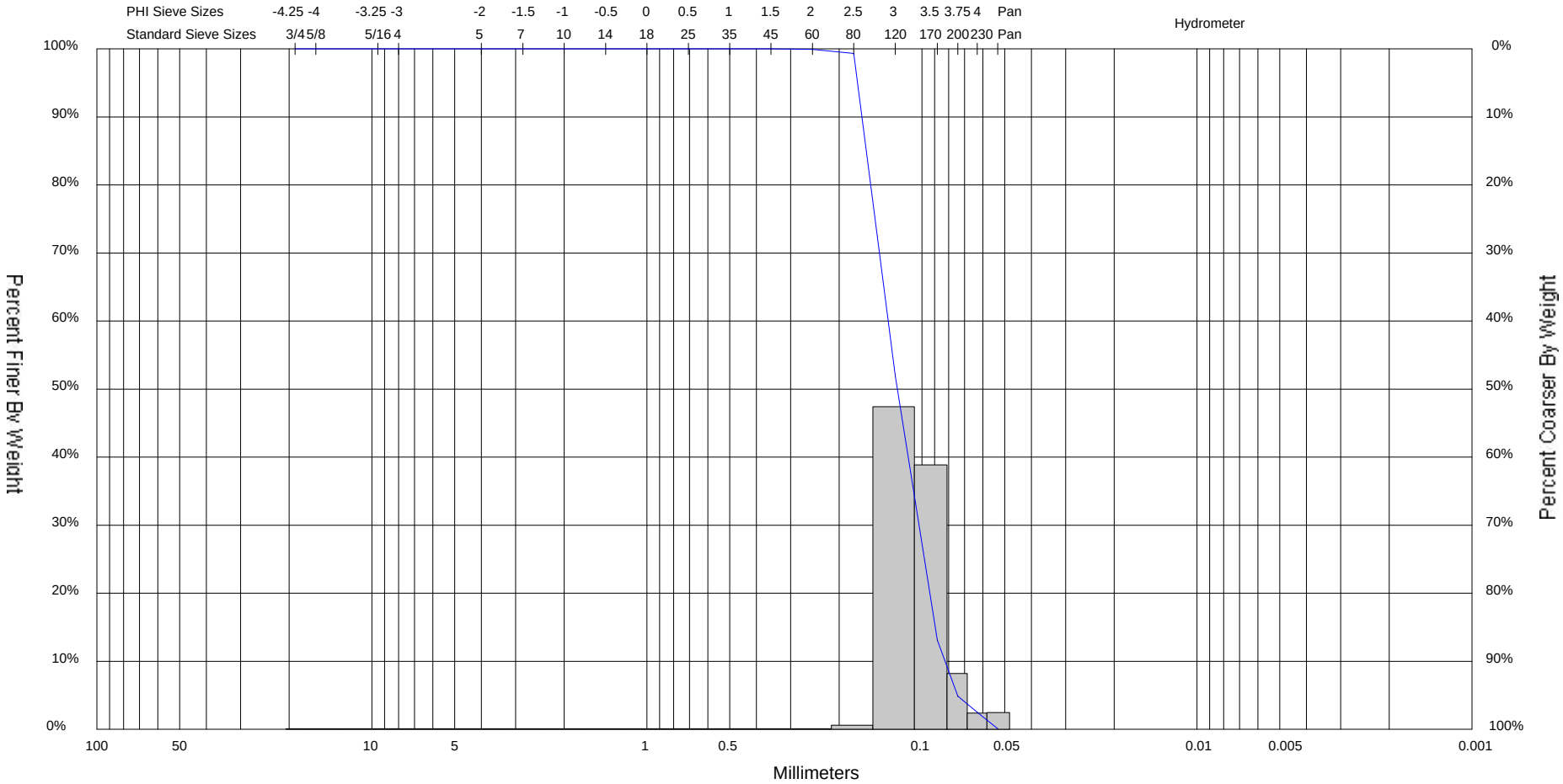
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-35 S#2 | | -38.1 | | SW-SM | 8.20 | 0.14 | 0.12 | 0.76 | 2.12 | 0.57 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863189 |
| Northing (Y): | 221706 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

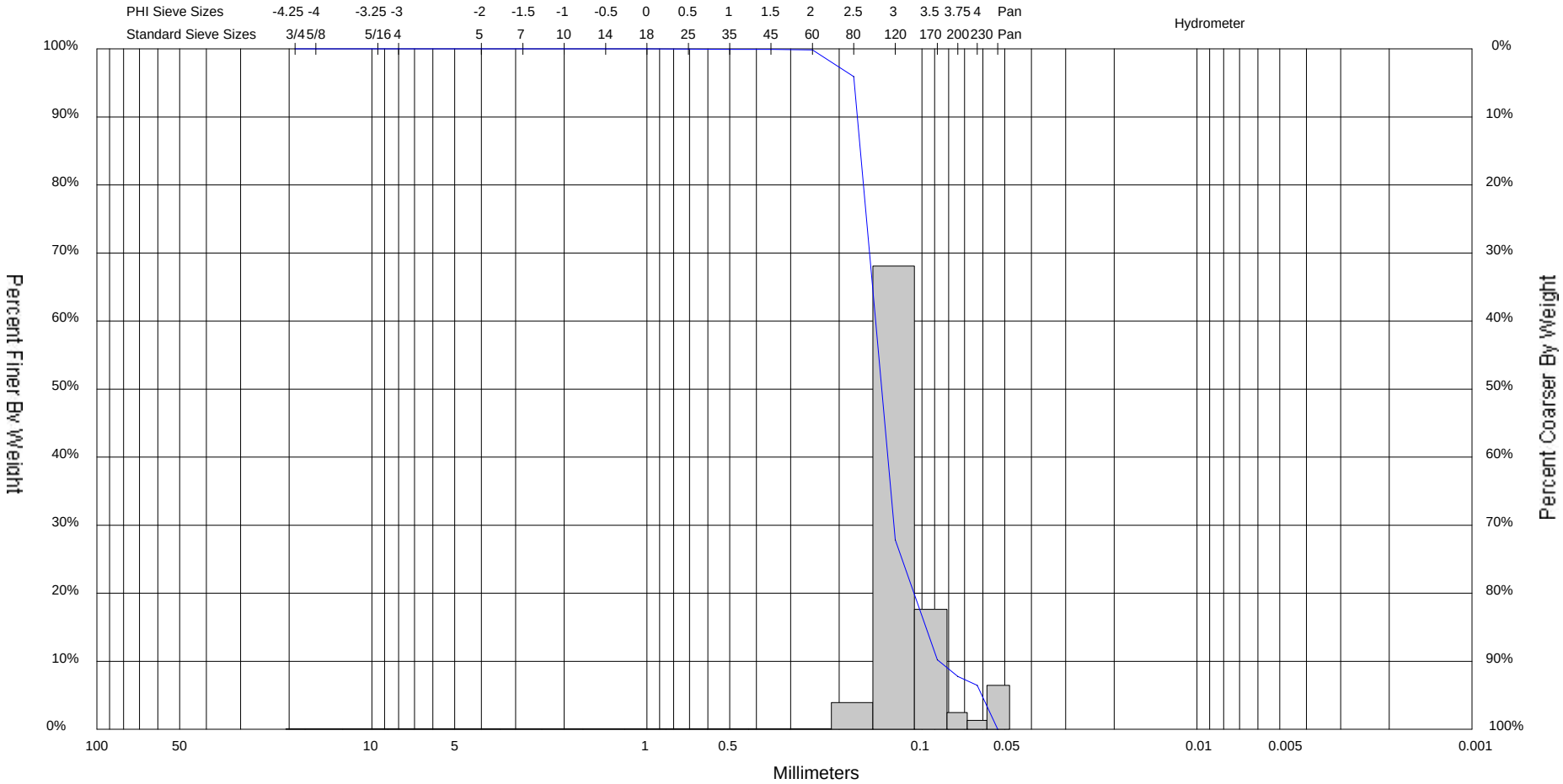
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-35 S#3 | | -41.9 | | SP | 2.51 | 0.12 | 0.12 | 0.21 | 1.38 | 0.45 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863189 |
| Northing (Y): | 221706 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

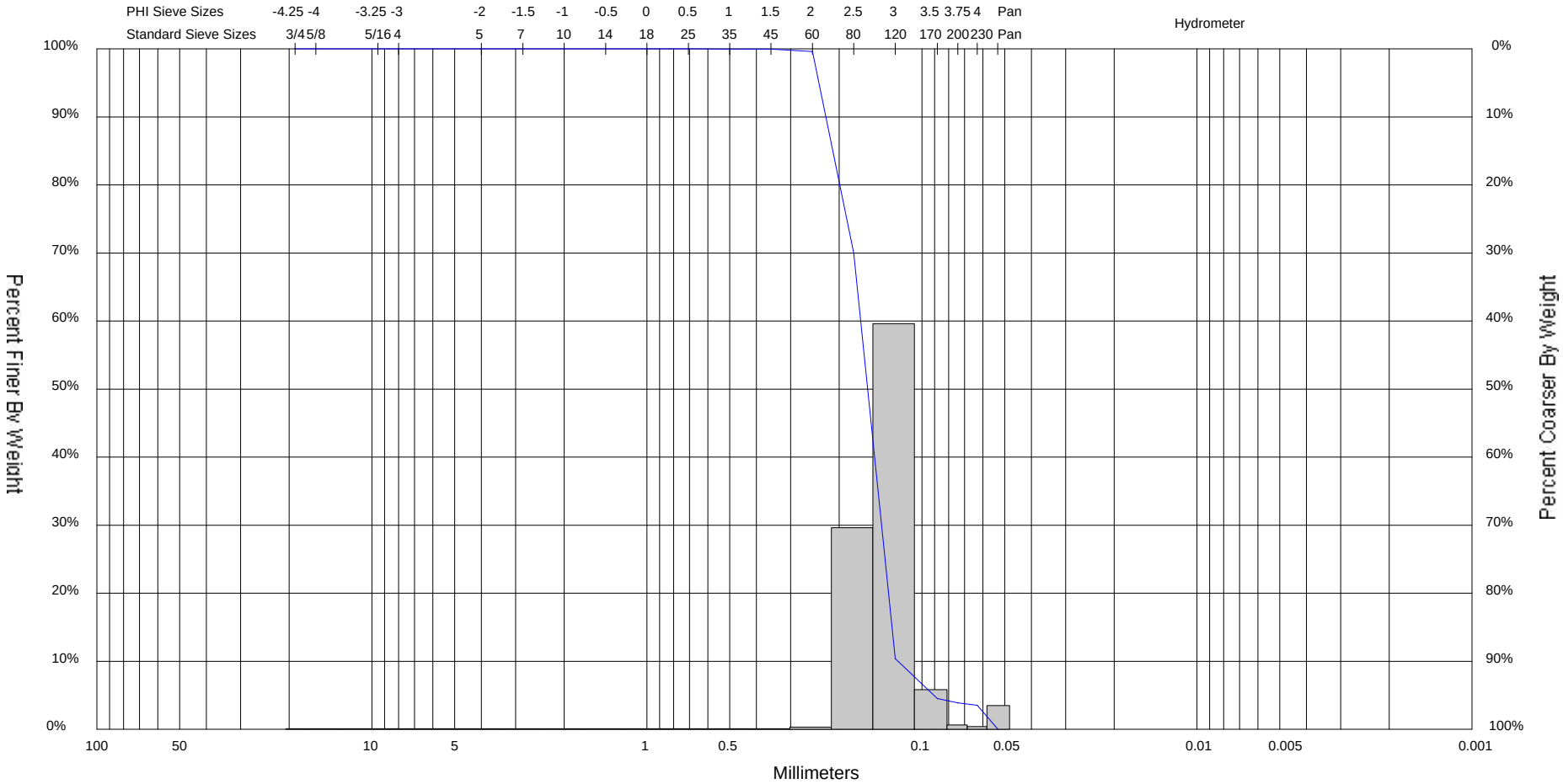
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-35 S#4 | | -43.3 | | SW-SM | 6.45 | 0.14 | 0.12 | 0.95 | 2.48 | 0.55 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863189 |
| Northing (Y): | 221706 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| SPVC-03-35 S#5 | | -51.1 | | SP | 3.51 | 0.16 | 0.16 | 0.35 | 1.87 | 0.47 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |

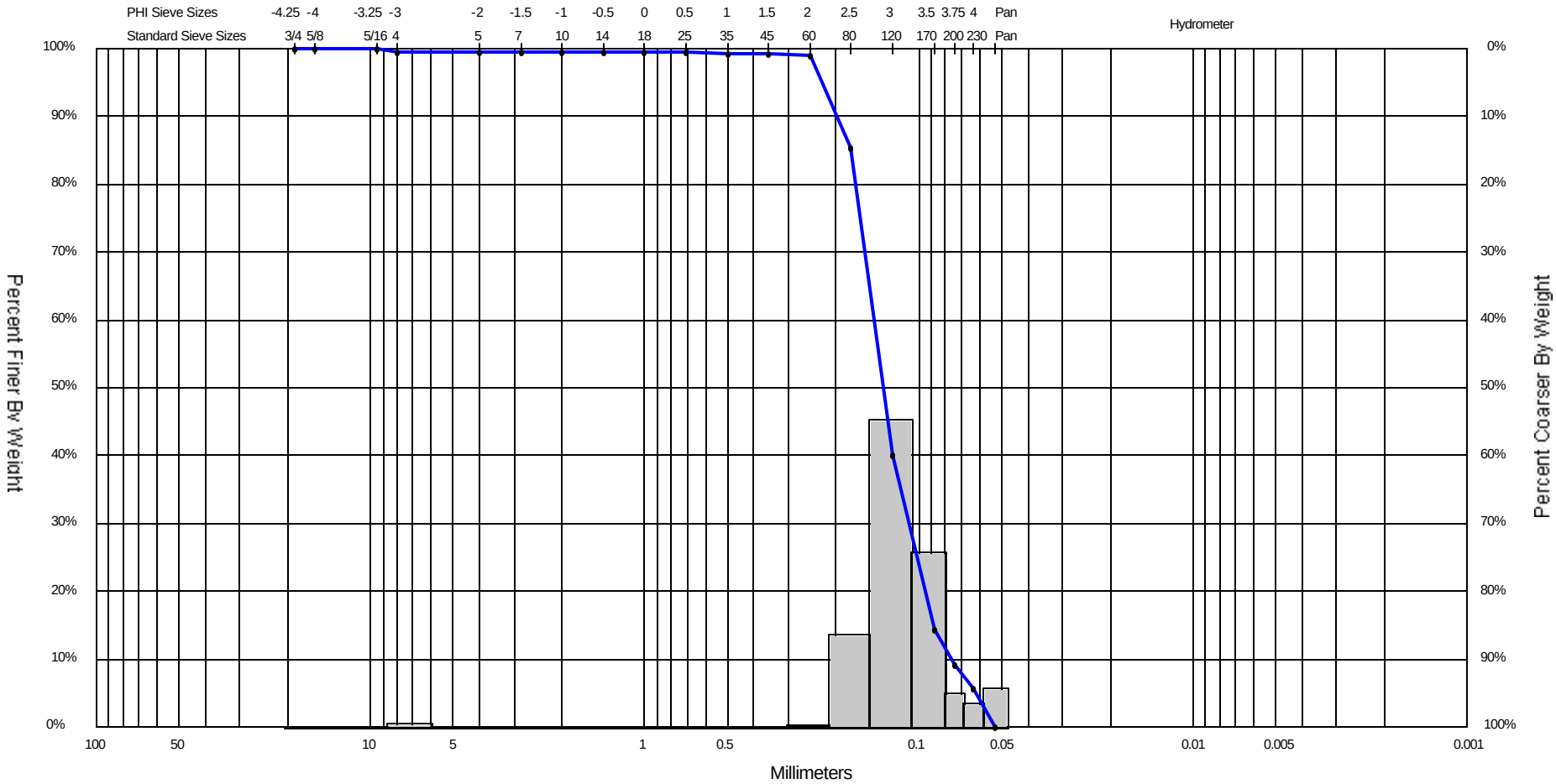
| Sample Information | |
|---|---|
| Project Name: | Sandy Point |
| Collection Date: | 06/07/03 |
| Analyzed By: | ID |
| Easting (X): | 3863189 |
| Northing (Y): | 221706 |
| Horizontal System: | State Plane 1983 LA South |
| Vertical System: | NAVD 88 Ft |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**

**EMPIRE**
**2002 VIBRACORE GRAIN SIZE DISTRIBUTION CURVES/HISTOGRAMS**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

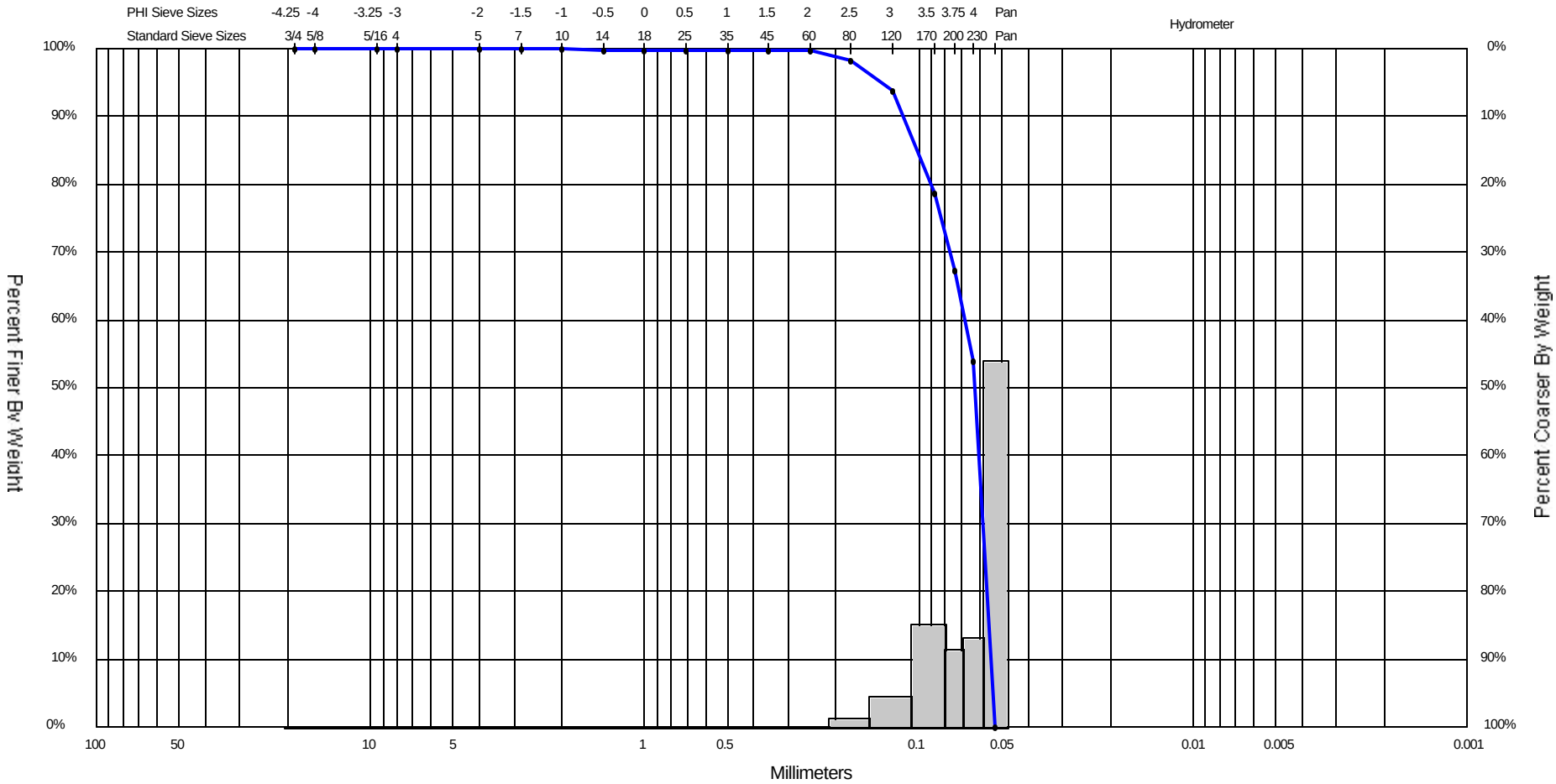
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| EMVC-02-17 S#2 | | -23.1 | | SW-SM | 5.80 | 0.13 | 0.13 | 0.30 | 1.75 | 0.64 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Barataria |
| Collection Date: | 10/2/02 |
| Analyzed By: | ID |
| Easting (X): | 3831941 |
| Northing (Y): | 270239 |
| Horizontal System: | State Plane 1983 LA South Fe |
| Vertical System: | NAVD 88 Feet |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

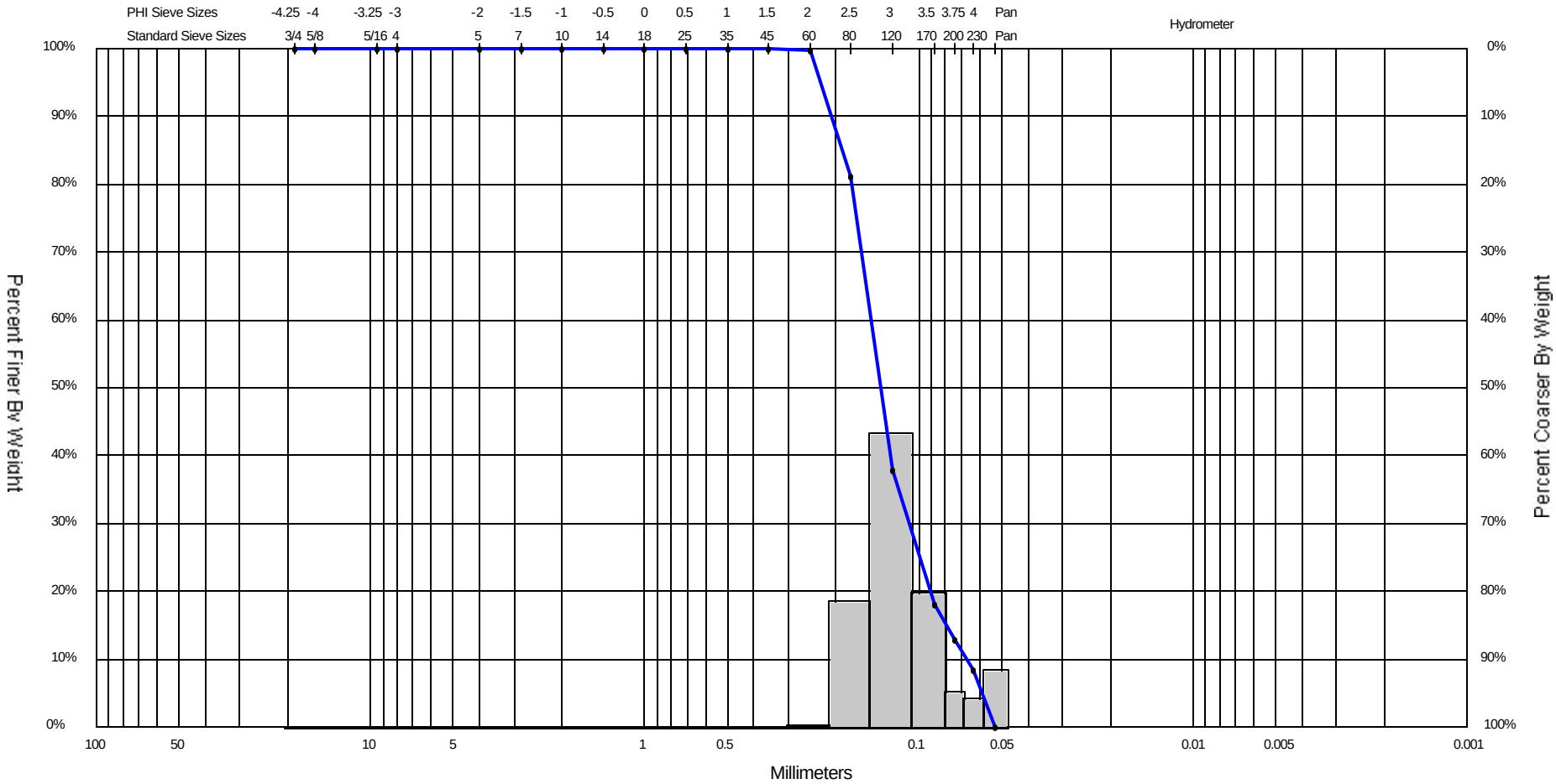
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| EMVC-02-18 S#2 | | -19.5 | | ML | 54.00 | 0.06 | 0.07 | -0.67 | 1.77 | 0.52 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Barataria |
| Collection Date: | 12/10/02 |
| Analyzed By: | ID |
| Easting (X): | 3832701 |
| Northing (Y): | 271426 |
| Horizontal System: | State Plane 1983 LA South Fe |
| Vertical System: | NAVD 88 Feet |


COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

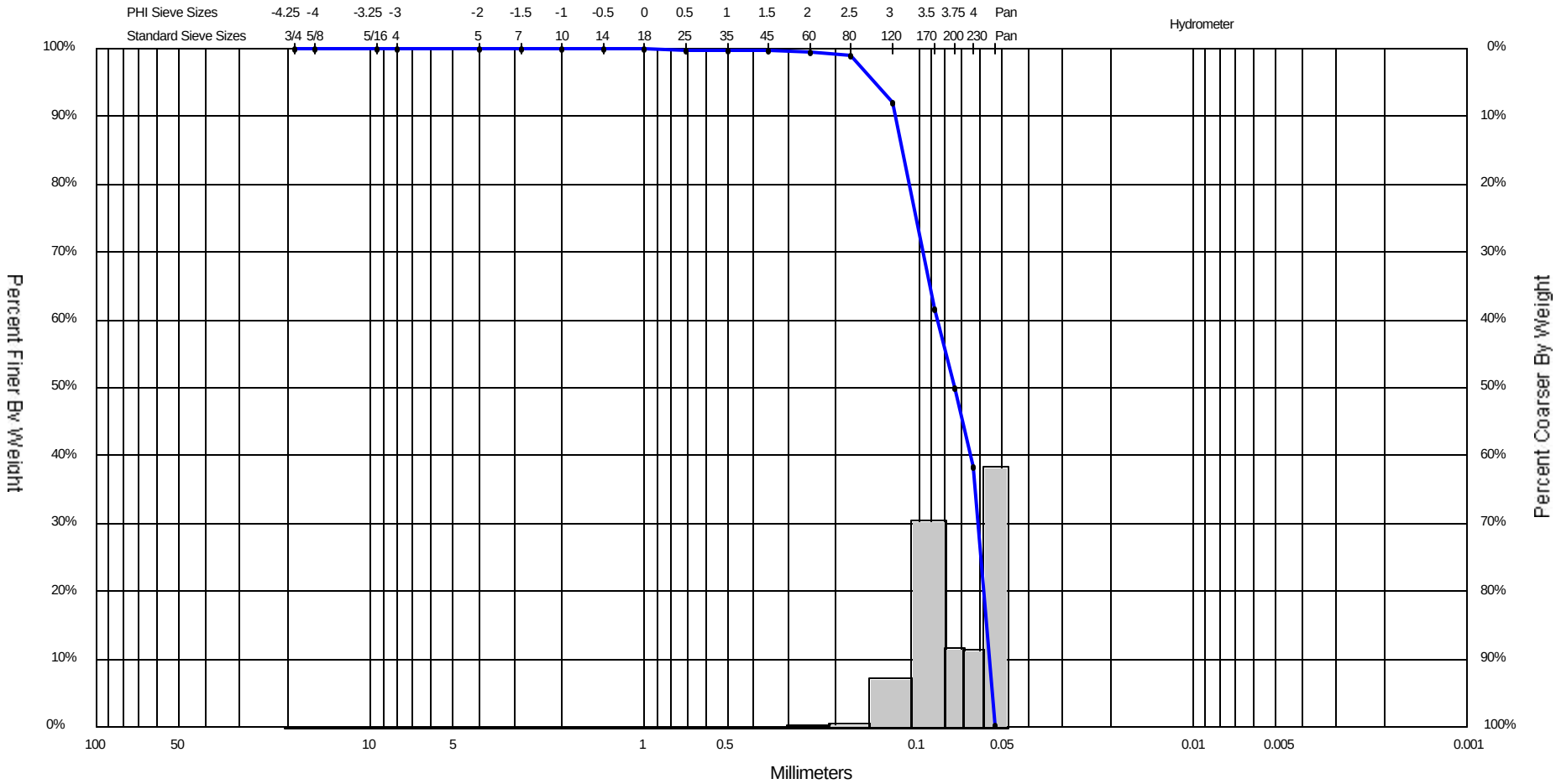
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| EMVC-02-18 S#3 | | -22.2 | | SM | 8.45 | 0.14 | 0.12 | 0.31 | 1.59 | 0.70 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Barataria |
| Collection Date: | 10/2/02 |
| Analyzed By: | ID |
| Easting (X): | 3832701 |
| Northing (Y): | 271426 |
| Horizontal System: | State Plane 1983 LA South Fe |
| Vertical System: | NAVD 88 Feet |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

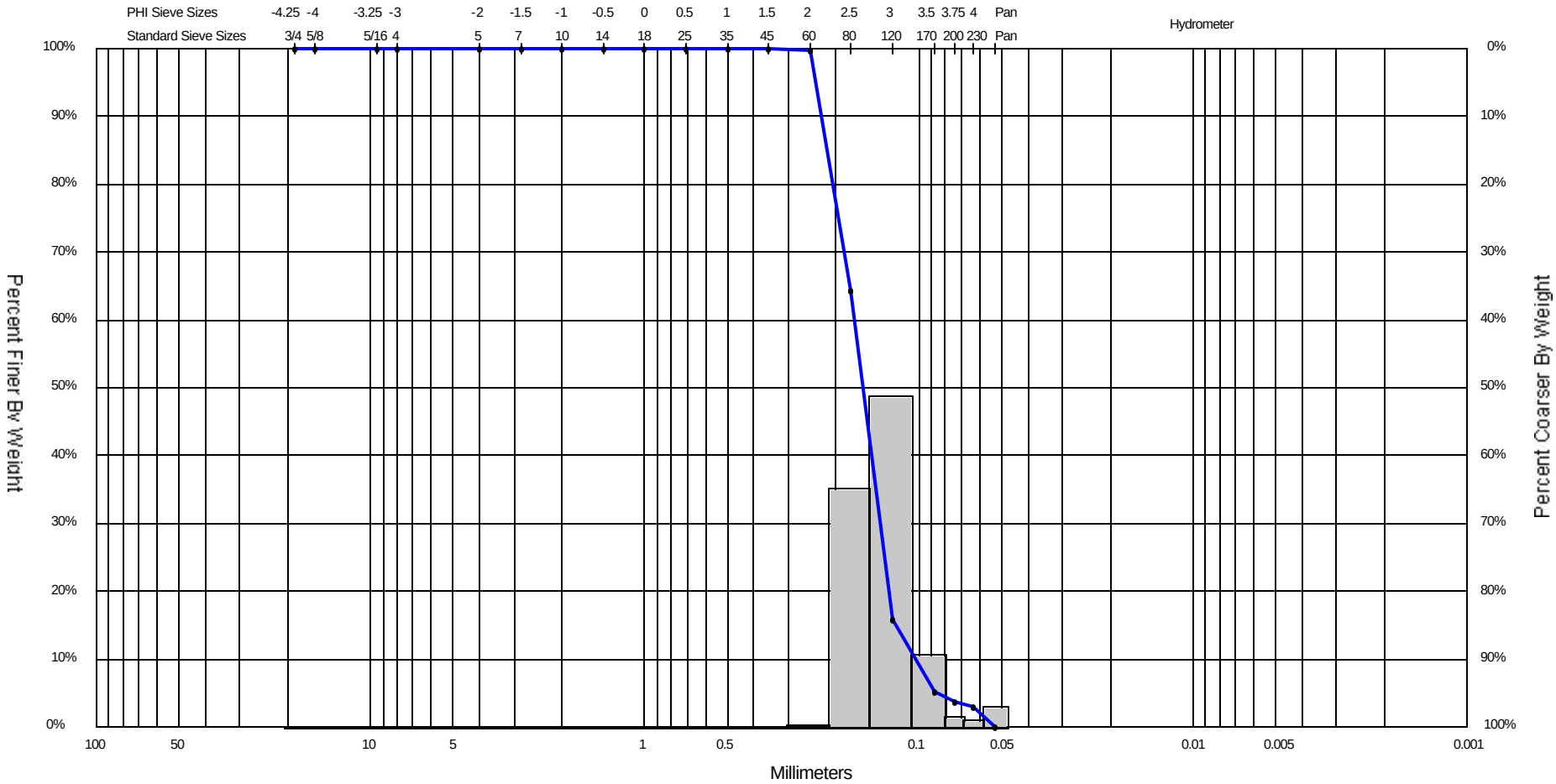
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| EMVC-02-18 S#5 | | -26.7 | | SM | 38.46 | 0.07 | 0.08 | -0.29 | 1.33 | 0.57 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Barataria |
| Collection Date: | 10/3/02 |
| Analyzed By: | ID |
| Easting (X): | 3832701 |
| Northing (Y): | 271426 |
| Horizontal System: | State Plane 1983 LA South Fe |
| Vertical System: | NAVD 88 Feet |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

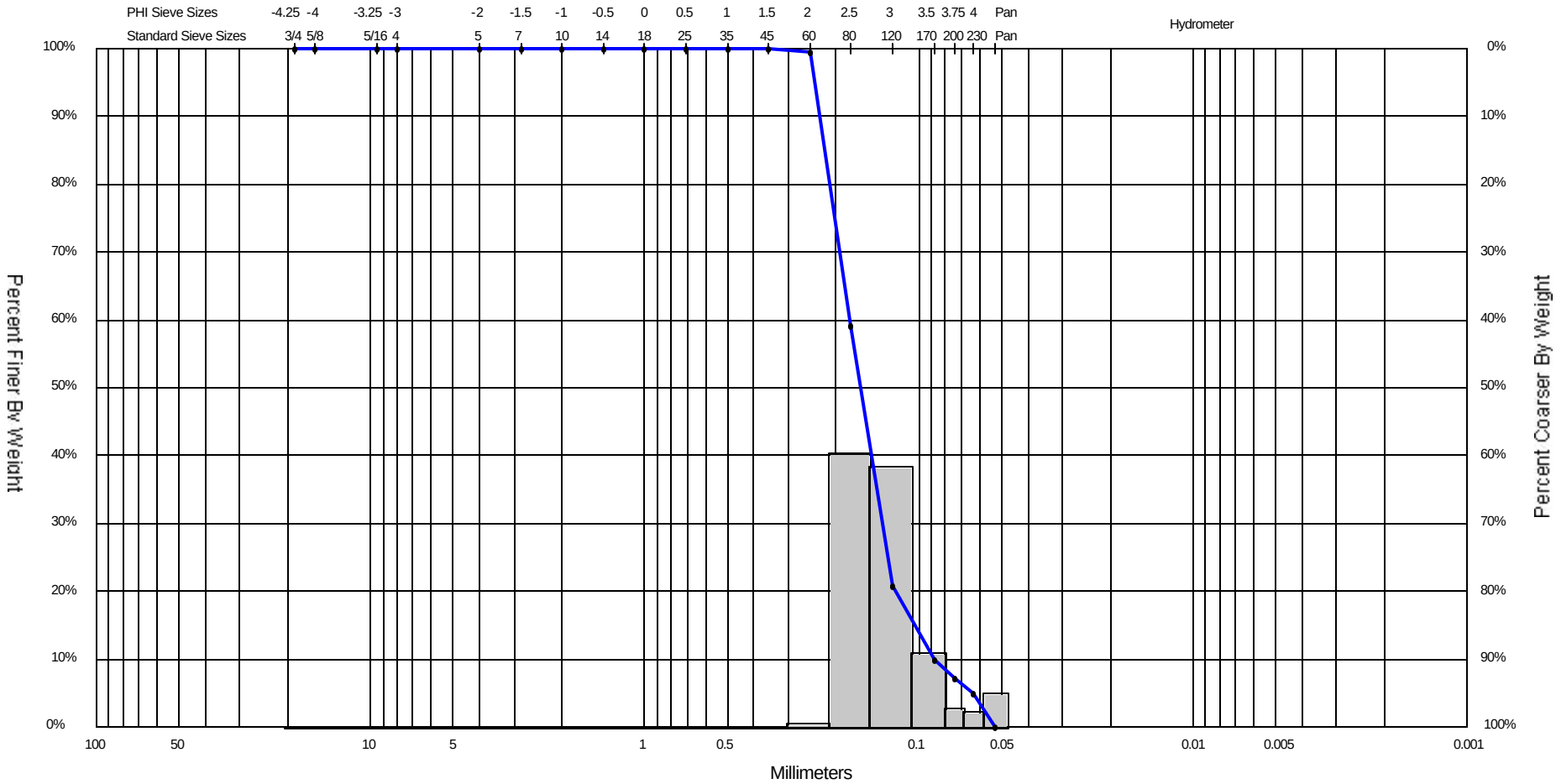
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| EMVC-02-20 S#3 | | -21.1 | | SP | 2.89 | 0.16 | 0.16 | 0.41 | 1.81 | 0.51 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Barataria |
| Collection Date: | 10/3/02 |
| Analyzed By: | ID |
| Easting (X): | 3835900 |
| Northing (Y): | 271017 |
| Horizontal System: | State Plane 1983 LA South Fe |
| Vertical System: | NAVD 88 Feet |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

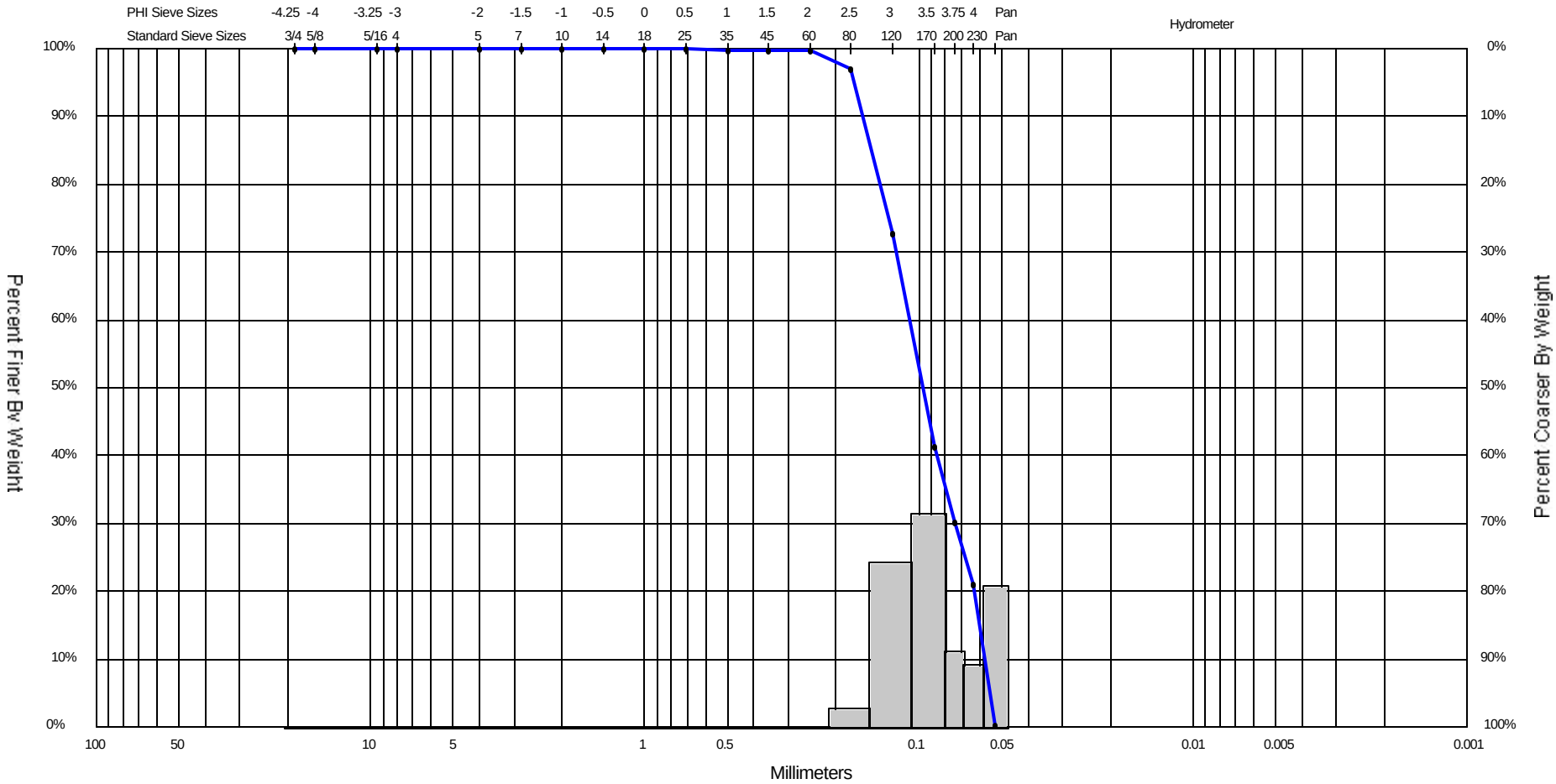
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| EMVC-02-20 S#4 | | -22.9 | | SW-SM | 5.02 | 0.16 | 0.15 | 0.70 | 2.10 | 0.69 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Barataria |
| Collection Date: | 10/3/02 |
| Analyzed By: | ID |
| Easting (X): | 3835900 |
| Northing (Y): | 271017 |
| Horizontal System: | State Plane 1983 LA South Fe |
| Vertical System: | NAVD 88 Feet |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

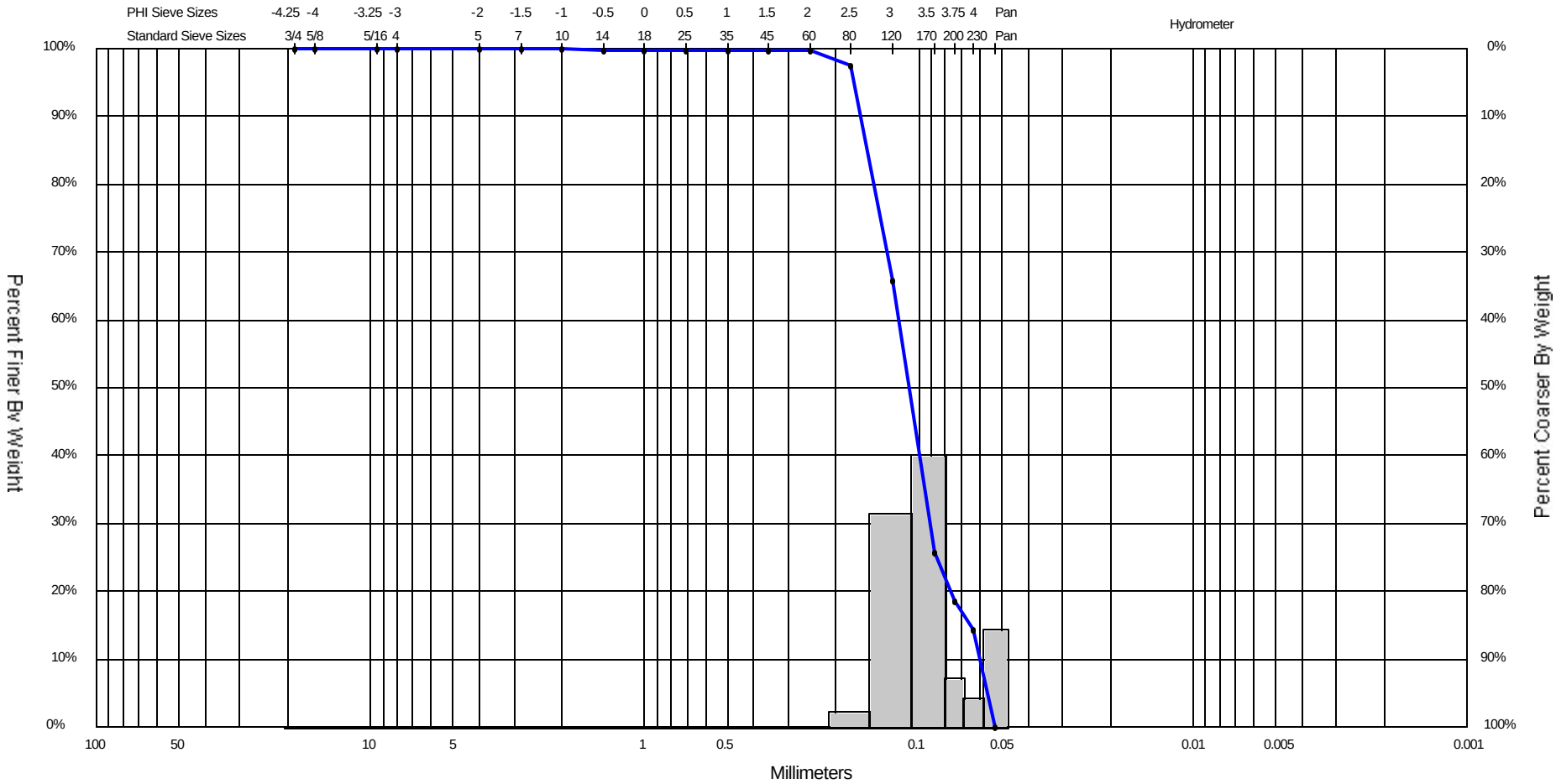
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| EMVC-02-20A S#2 | | -33.6 | | SM | 20.94 | 0.10 | 0.09 | -0.02 | 1.19 | 0.66 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Barataria |
| Collection Date: | 12/03/02 |
| Analyzed By: | ID |
| Easting (X): | 3835948 |
| Northing (Y): | 270980 |
| Horizontal System: | State Plane 1983 LA South Fe |
| Vertical System: | NAVD 88 Feet |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

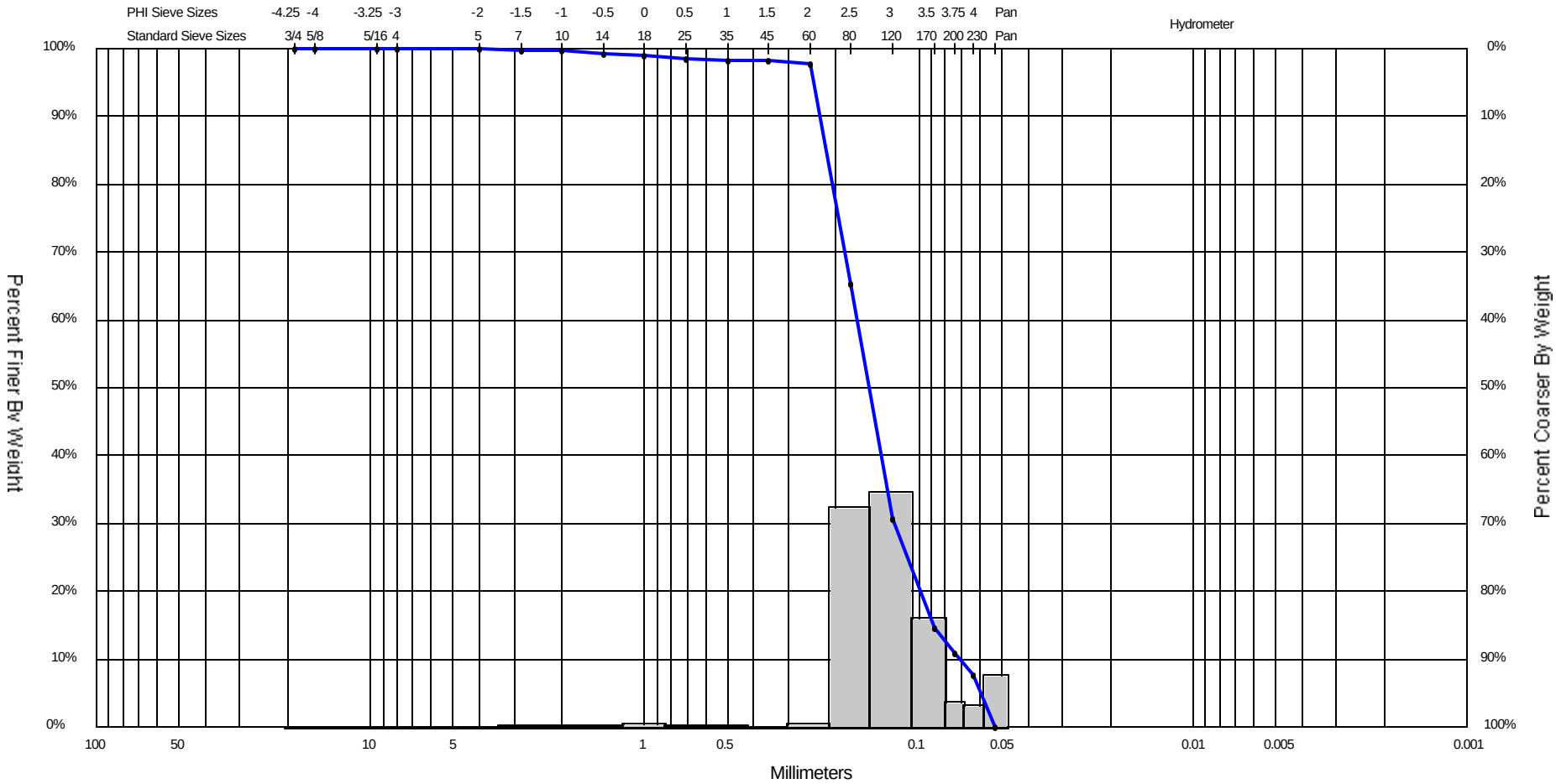
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| EMVC-02-23 S#2 | | -18.9 | | SM | 14.29 | 0.11 | 0.10 | 0.24 | 1.40 | 0.62 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Barataria |
| Collection Date: | 10/2/02 |
| Analyzed By: | ID |
| Easting (X): | 3834858 |
| Northing (Y): | 270176 |
| Horizontal System: | State Plane 1983 LA South Fe |
| Vertical System: | NAVD 88 Feet |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

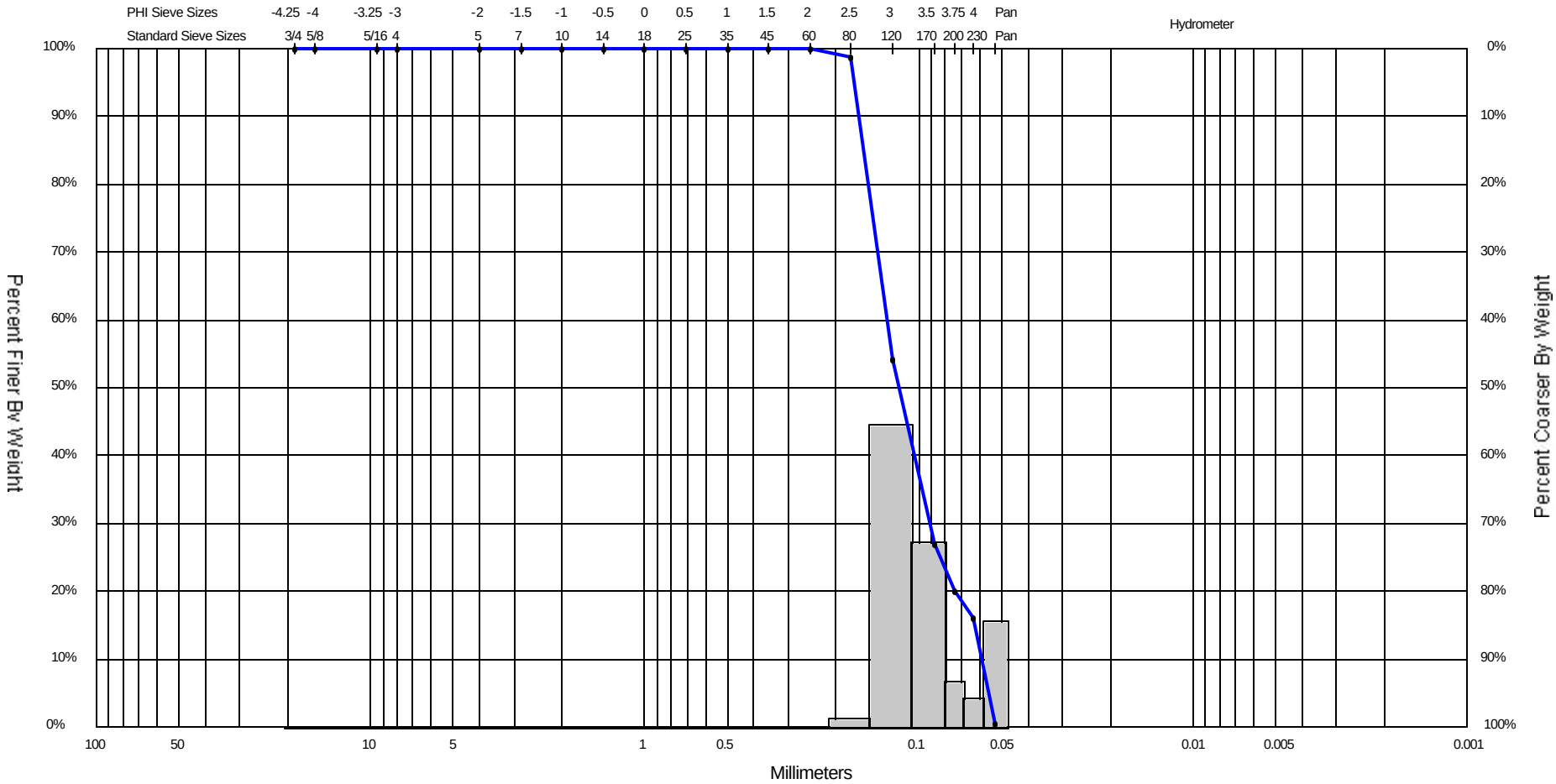
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| EMVC-02-27 S#1 | | -16.9 | | SW-SM | 7.70 | 0.15 | 0.14 | 0.44 | 1.66 | 0.75 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Barataria |
| Collection Date: | 12/03/02 |
| Analyzed By: | ID |
| Easting (X): | 3833631 |
| Northing (Y): | 272138 |
| Horizontal System: | State Plane 1983 LA South Fe |
| Vertical System: | NAVD 88 Feet |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

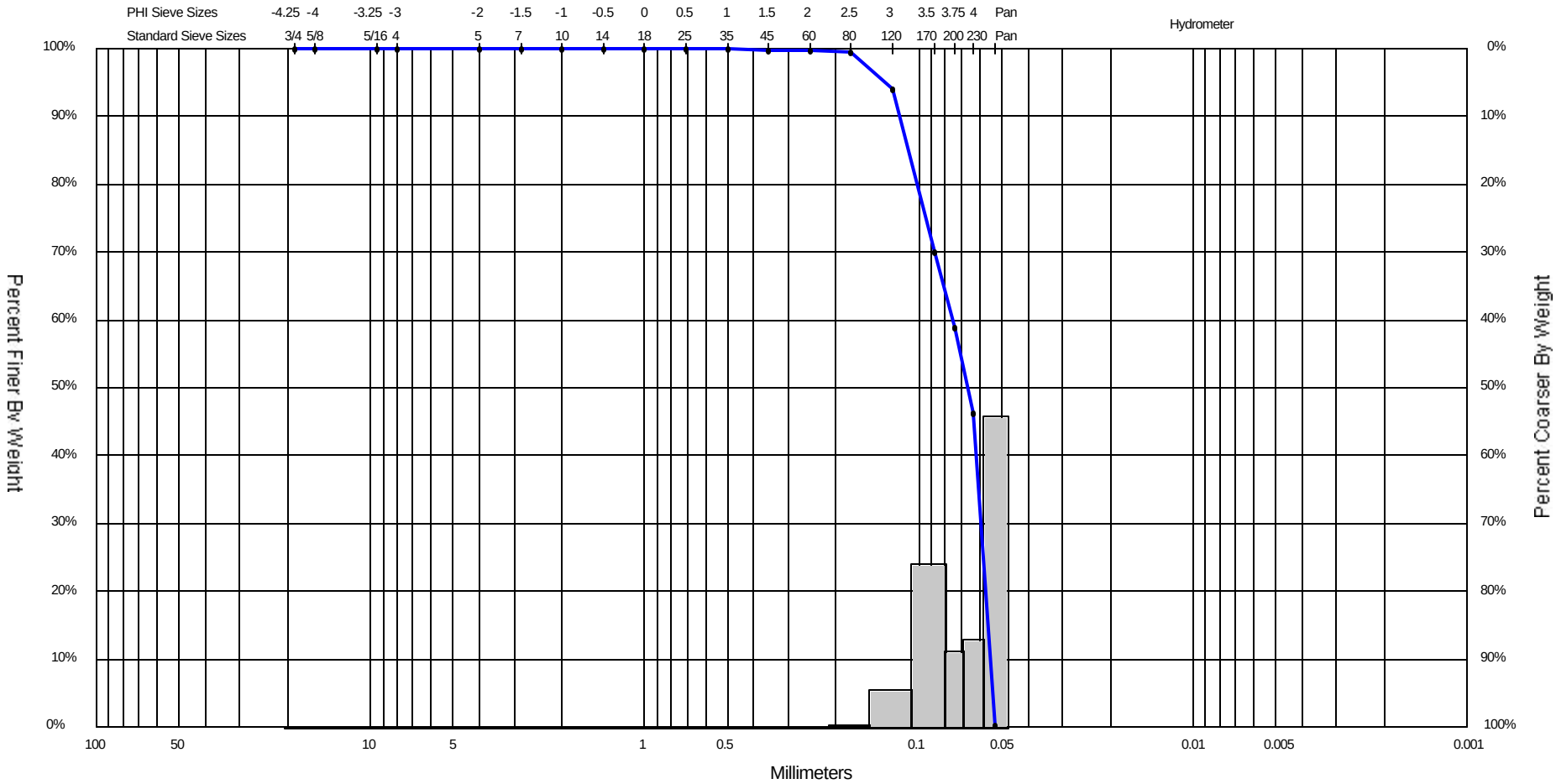
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| EMVC-02-27 S#3 | | -25.5 | | SM | 16.06 | 0.12 | 0.10 | 0.30 | 1.28 | 0.66 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Barataria |
| Collection Date: | 12/05/02 |
| Analyzed By: | ID |
| Easting (X): | 3833631 |
| Northing (Y): | 272138 |
| Horizontal System: | State Plane 1983 LA South Fe |
| Vertical System: | NAVD 88 Feet |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

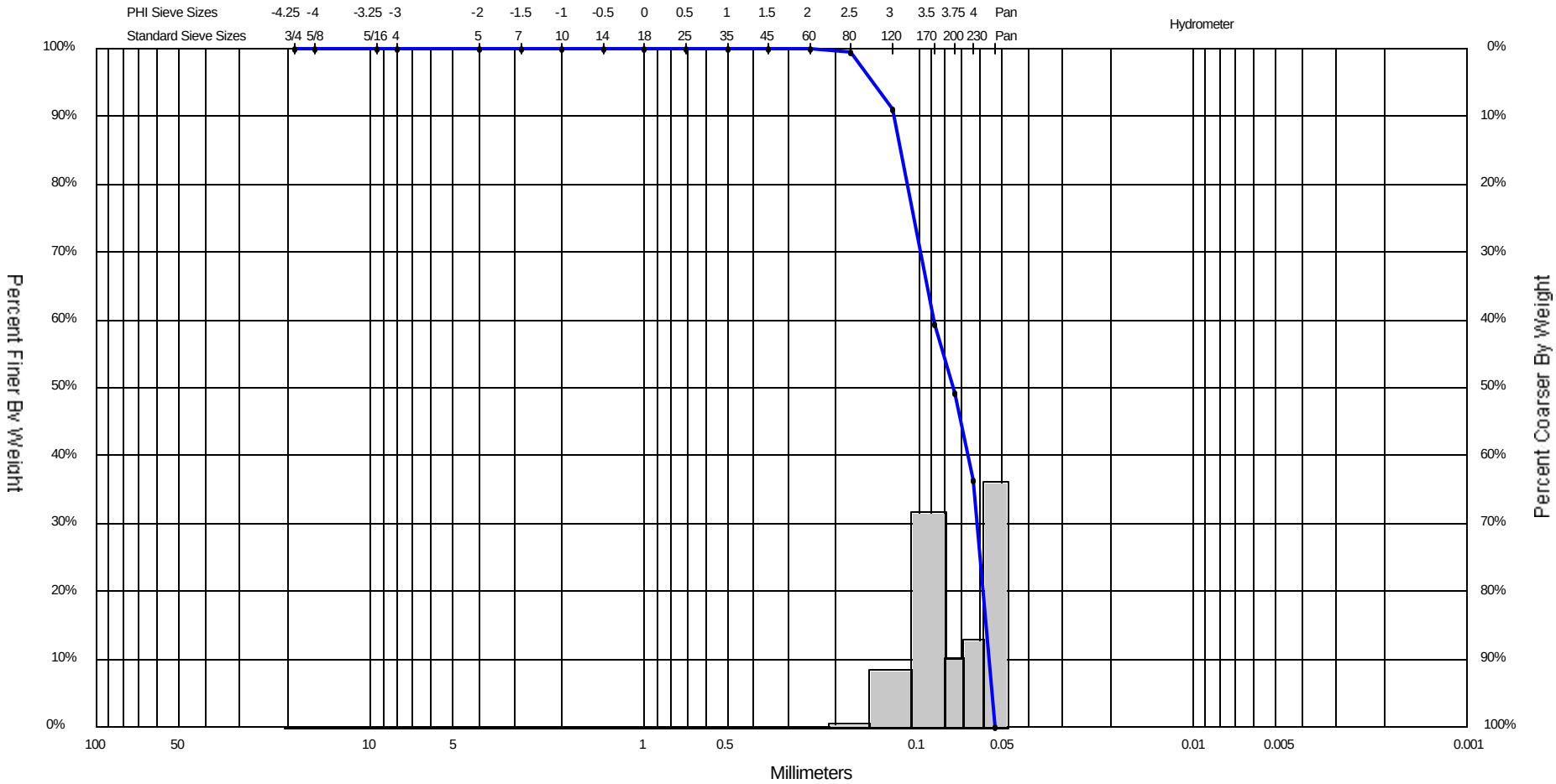
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| EMVC-02-27 S#5 | | -29.5 | | ML | 46.19 | 0.07 | 0.08 | -0.38 | 1.32 | 0.52 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Barataria |
| Collection Date: | 12/05/02 |
| Analyzed By: | ID |
| Easting (X): | 3833631 |
| Northing (Y): | 272138 |
| Horizontal System: | State Plane 1983 LA South Fe |
| Vertical System: | NAVD 88 Feet |


COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

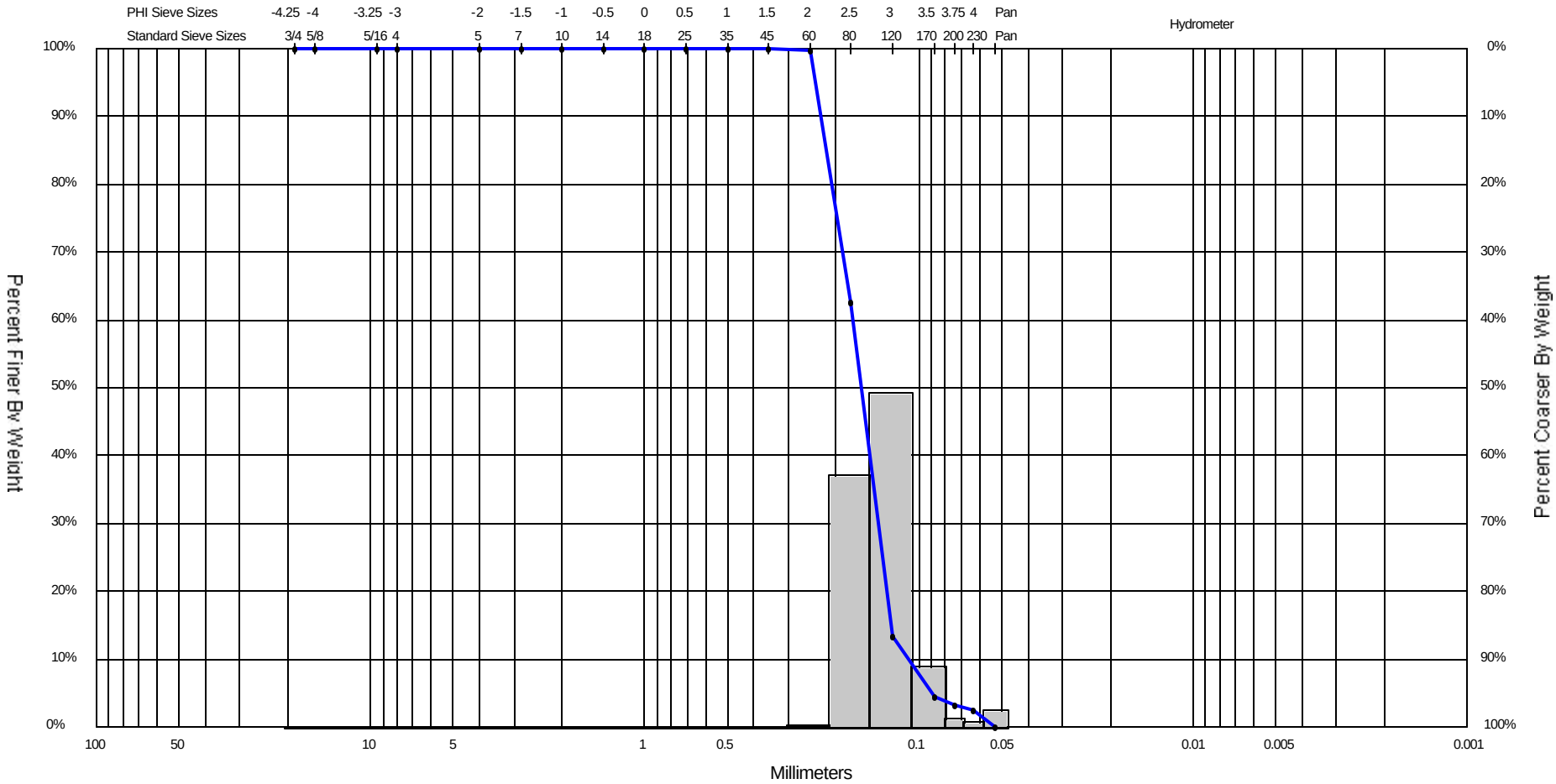
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| EMVC-02-29 S#2 | | -19.4 | | SM | 36.27 | 0.08 | 0.08 | -0.28 | 1.32 | 0.57 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Barataria |
| Collection Date: | 11/20/02 |
| Analyzed By: | ID |
| Easting (X): | 3835271 |
| Northing (Y): | 270842 |
| Horizontal System: | State Plane 1983 LA South Fe |
| Vertical System: | NAVD 88 Feet |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

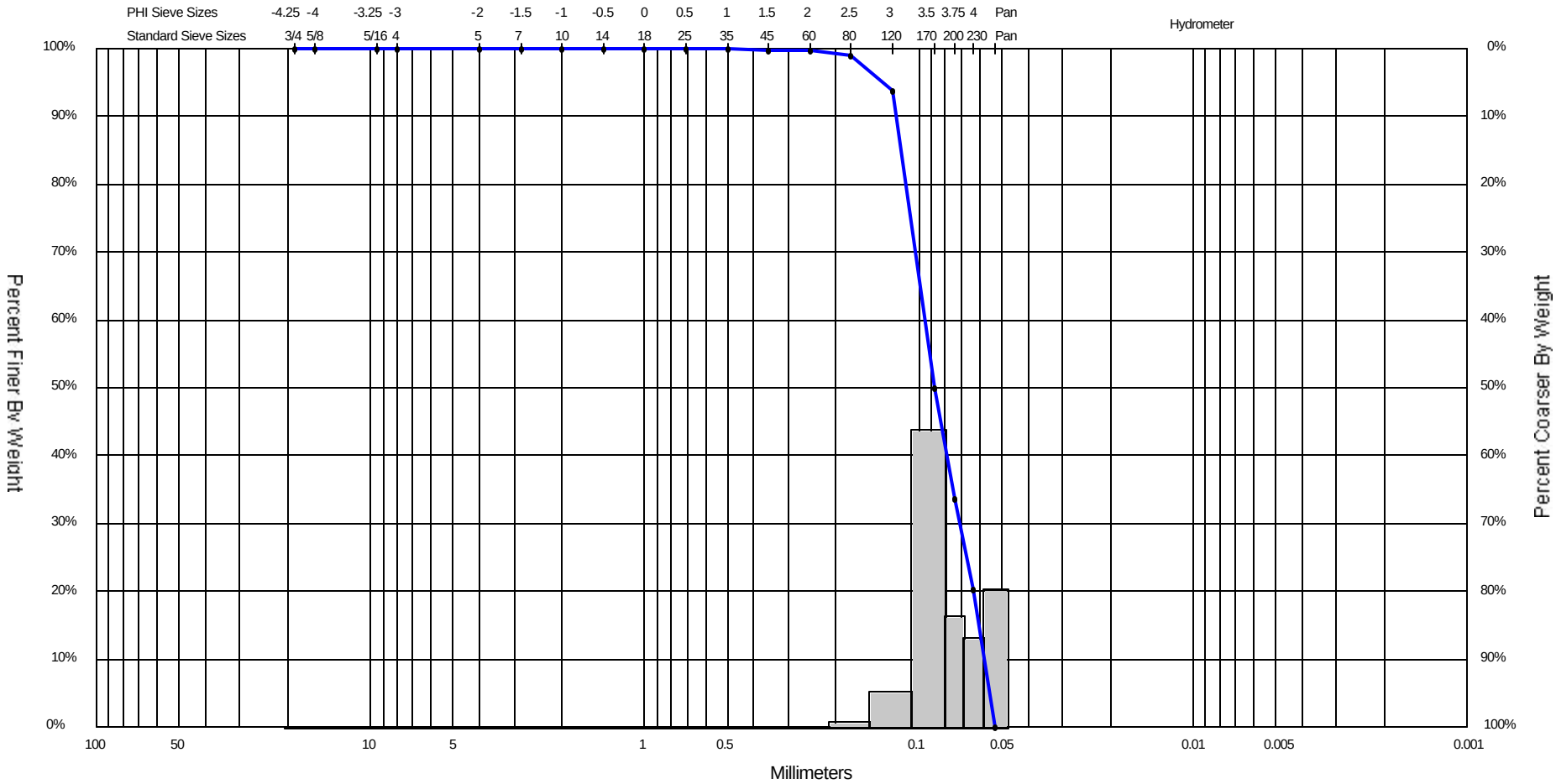
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| EMVC-02-29 S#4 | | -23.4 | | SP | 2.59 | 0.16 | 0.16 | 0.37 | 1.75 | 0.49 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Barataria |
| Collection Date: | 11/20/02 |
| Analyzed By: | ID |
| Easting (X): | 3835271 |
| Northing (Y): | 270842 |
| Horizontal System: | State Plane 1983 LA South Fe |
| Vertical System: | NAVD 88 Feet |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

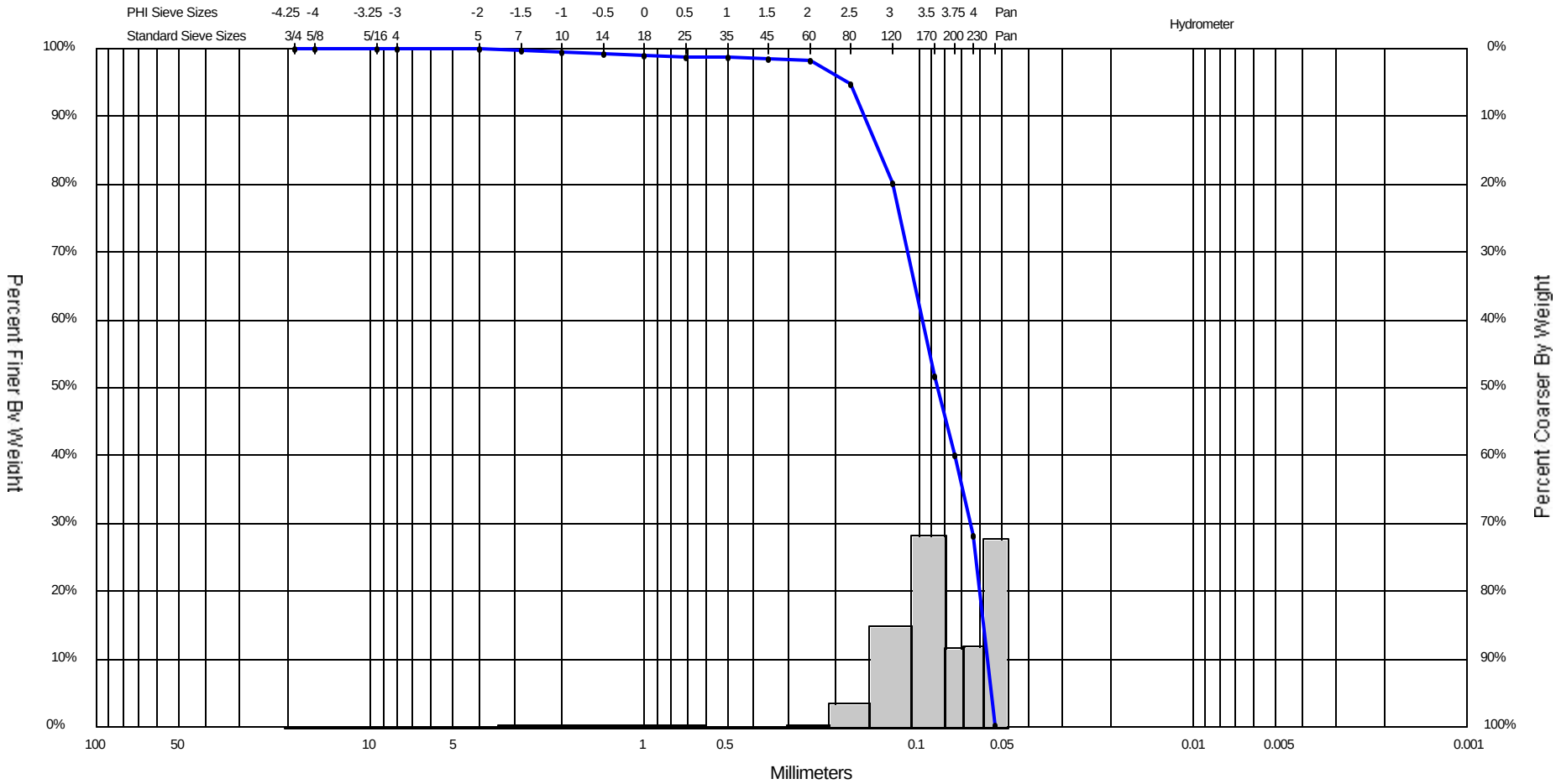
| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| EMVC-02-29 S#5 | | -25.9 | | SM | 20.38 | 0.09 | 0.09 | 0.02 | 1.24 | 0.50 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Barataria |
| Collection Date: | 11/20/02 |
| Analyzed By: | ID |
| Easting (X): | 3835271 |
| Northing (Y): | 270842 |
| Horizontal System: | State Plane 1983 LA South Fe |
| Vertical System: | NAVD 88 Feet |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**




| Gravel | | Sand | | | Silt and Clay |
|---|---|---|---|---|---|
| Coarse | Fine | Coarse | Medium | Fine | |

| Sample | Symbol | Elev. | Comments | USCS | % Silt | Median | Mean | Skew | Kurt | Sort |
|---|---|---|---|---|---|---|---|---|---|---|
| EMVC-02-30 S#1 | | -19.2 | | SM | 28.12 | 0.09 | 0.09 | -0.24 | 1.33 | 0.68 |
| Incremental % Weight | | N/A | Use Left Hand Scale | | | | | | | |
| | | | | | | | | | | |

| Sample Information | |
|---|---|
| Project Name: | Barataria |
| Collection Date: | 12/05/02 |
| Analyzed By: | ID |
| Easting (X): | 3835952 |
| Northing (Y): | 270034 |
| Horizontal System: | State Plane 1983 LA South Fe |
| Vertical System: | NAVD 88 Feet |

COASTAL PLANNING & ENGINEERING, INC.

**Coastal Planning & Engineering, Inc.**
**2481 N.W. Boca Raton Blvd.**
**Boca Raton, FL 33431**

**ph 561 391-8102** **fax 561 391-9116**