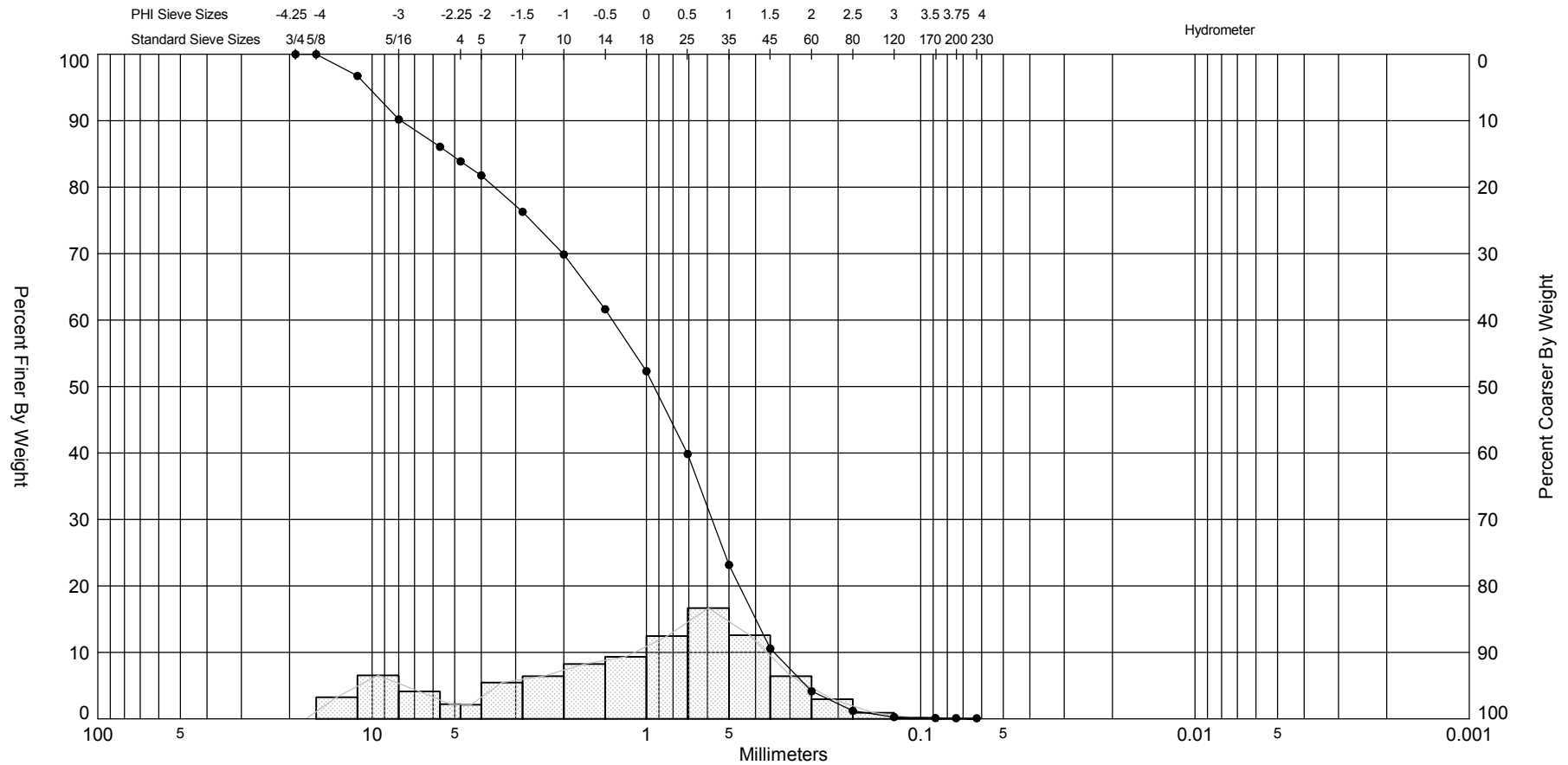





SIEVE ANALYSIS 2011-6-16 SLC PLANS AND SPECS.GPJ FL DEP ROSS.GDT 12/5/11



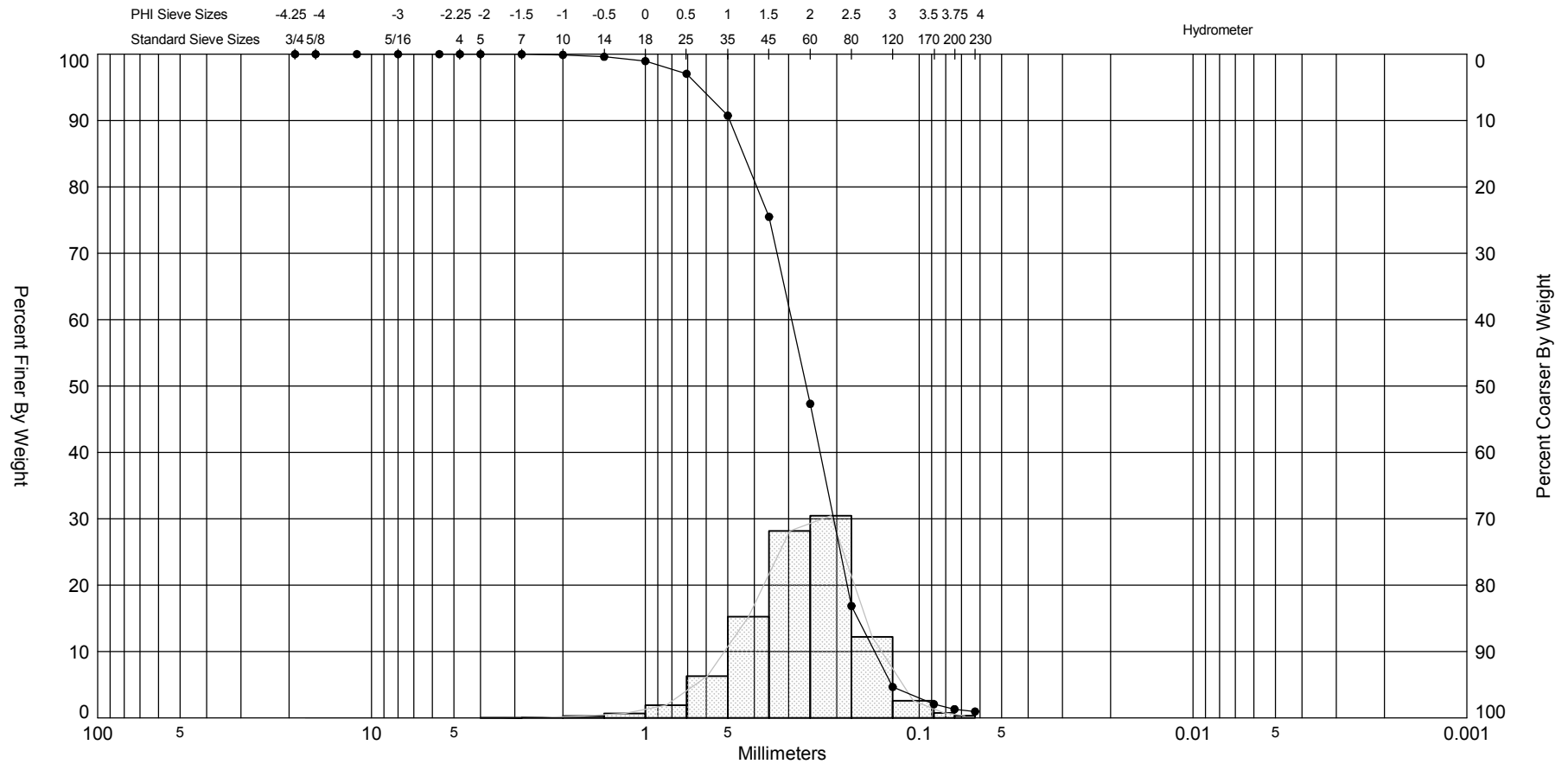
| Gravel |      | Sand   |        |      | Silt and Clay |
|--------|------|--------|--------|------|---------------|
| Coarse | Fine | Coarse | Medium | Fine |               |

| Sample  | Symbol | Elev. (ft) | USCS | % Fines                    | % Organics | % Carbonates | Median | Mean  | Skew  | Kurt | Sort | Sample Information |                                |
|---|--------|------------|------|----------------------------|------------|--------------|--------|-------|-------|------|------|--------------------|--------------------------------|
| SLC-11-C90 #1   | —●—    | -40.4      | SW   | #200 - 0.10<br>#230 - 0.08 | 2.30       | 69.80        | 0.09   | -0.28 | -0.52 | 2.35 | 1.63 | Project Name:      | 2011 SLC Geotech Investigation |
| Comments:   |        |            |      |                            |            |              |        |       |       |      |      | Analysis Date:     |                                |
| Depths and elevations based on measured values  |        |            |      |                            |            |              |        |       |       |      |      | Analyzed By:       | JB                             |
|  <b>COASTAL TECH</b><br>Coastal Geology & Sediments Laboratory |        |            |      |                            |            |              |        |       |       |      |      | Easting (X, ft):   | 933,803                        |
|   |        |            |      |                            |            |              |        |       |       |      |      | Northing (Y, ft):  | 1,103,535                      |
|   |        |            |      |                            |            |              |        |       |       |      |      | Horizontal System: | NAD 1983                       |
|   |        |            |      |                            |            |              |        |       |       |      |      | Vertical System:   | NAVD 88                        |
| 715 North Drive Suite E<br>Melbourne, FL 32934<br>Phone (321) 751-1135<br>Fax (321) 751-2343  |        |            |      |                            |            |              |        |       |       |      |      |                    |                                |


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

| Sample  | Symbol  | Elev. (ft) | USCS | % Fines                    | % Organics | % Carbonates   | Median | Mean | Skew  | Kurt | Sort | Sample Information |                                |
|---|---|------------|------|----------------------------|------------|--|--------|------|-------|------|------|--------------------|--------------------------------|
| SLC-11-C90 #2   |  | -42.9      | SP   | #200 - 1.29<br>#230 - 0.94 | 2.60       | 51.60  | 1.5    | 1.44 | -0.46 | 4.43 | 0.84 | Project Name:      | 2011 SLC Geotech Investigation |
| Comments:   |   |            |      |                            |            |  |        |      |       |      |      | Analysis Date:     |                                |
| Depths and elevations based on measured values  |   |            |      |                            |            |  |        |      |       |      |      | Analyzed By:       | JB                             |
|  <b>COASTAL TECH</b><br>Coastal Geology & Sediments Laboratory |   |            |      |                            |            | 715 North Drive Suite E<br>Melbourne, FL 32934<br>Phone (321) 751-1135<br>Fax (321) 751-2343 |        |      |       |      |      | Easting (X, ft):   | 933,803                        |
|   |   |            |      |                            |            |  |        |      |       |      |      | Northing (Y, ft):  | 1,103,535                      |
|   |   |            |      |                            |            |  |        |      |       |      |      | Horizontal System: | NAD 1983                       |
|   |   |            |      |                            |            |  |        |      |       |      |      | Vertical System:   | NAVD 88                        |

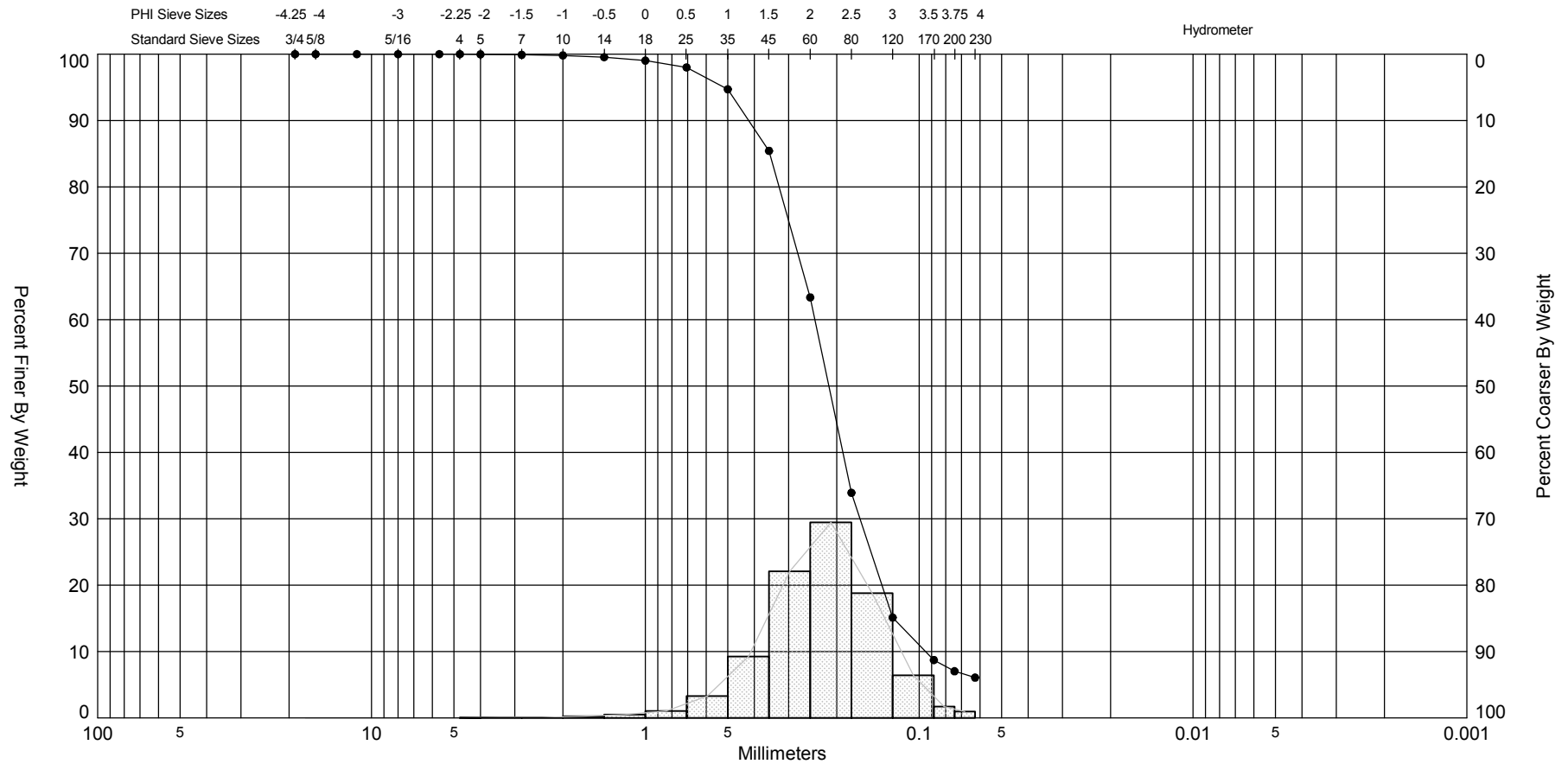
SIEVE ANALYSIS 2011-6-16 SLC PLANS AND SPECS.GPJ FL DEP ROSS.GDT 12/5/11




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

| Sample  | Symbol | Elev. (ft) | USCS | % Fines                    | % Organics | % Carbonates | Median | Mean | Skew  | Kurt | Sort | Sample Information |                                |
|---|--------|------------|------|----------------------------|------------|--------------|--------|------|-------|------|------|--------------------|--------------------------------|
| SLC-11-C90 #3   | —●—    | -46.9      | SP   | #200 - 1.31<br>#230 - 0.96 | 2.60       | 64.30        | 1.95   | 1.89 | -0.47 | 4.16 | 0.69 | Project Name:      | 2011 SLC Geotech Investigation |
| Comments:   |        |            |      |                            |            |              |        |      |       |      |      | Analysis Date:     |                                |
| Depths and elevations based on measured values  |        |            |      |                            |            |              |        |      |       |      |      | Analyzed By:       | JB                             |
|  <b>COASTAL TECH</b><br>Coastal Geology & Sediments Laboratory |        |            |      |                            |            |              |        |      |       |      |      | Easting (X, ft):   | 933,803                        |
|   |        |            |      |                            |            |              |        |      |       |      |      | Northing (Y, ft):  | 1,103,535                      |
|   |        |            |      |                            |            |              |        |      |       |      |      | Horizontal System: | NAD 1983                       |
|   |        |            |      |                            |            |              |        |      |       |      |      | Vertical System:   | NAVD 88                        |
| 715 North Drive Suite E<br>Melbourne, FL 32934<br>Phone (321) 751-1135<br>Fax (321) 751-2343  |        |            |      |                            |            |              |        |      |       |      |      |                    |                                |



SIEVE ANALYSIS 2011-6-16 SLC PLANS AND SPECS.GPJ FL DEP ROSS.GDT 12/5/11



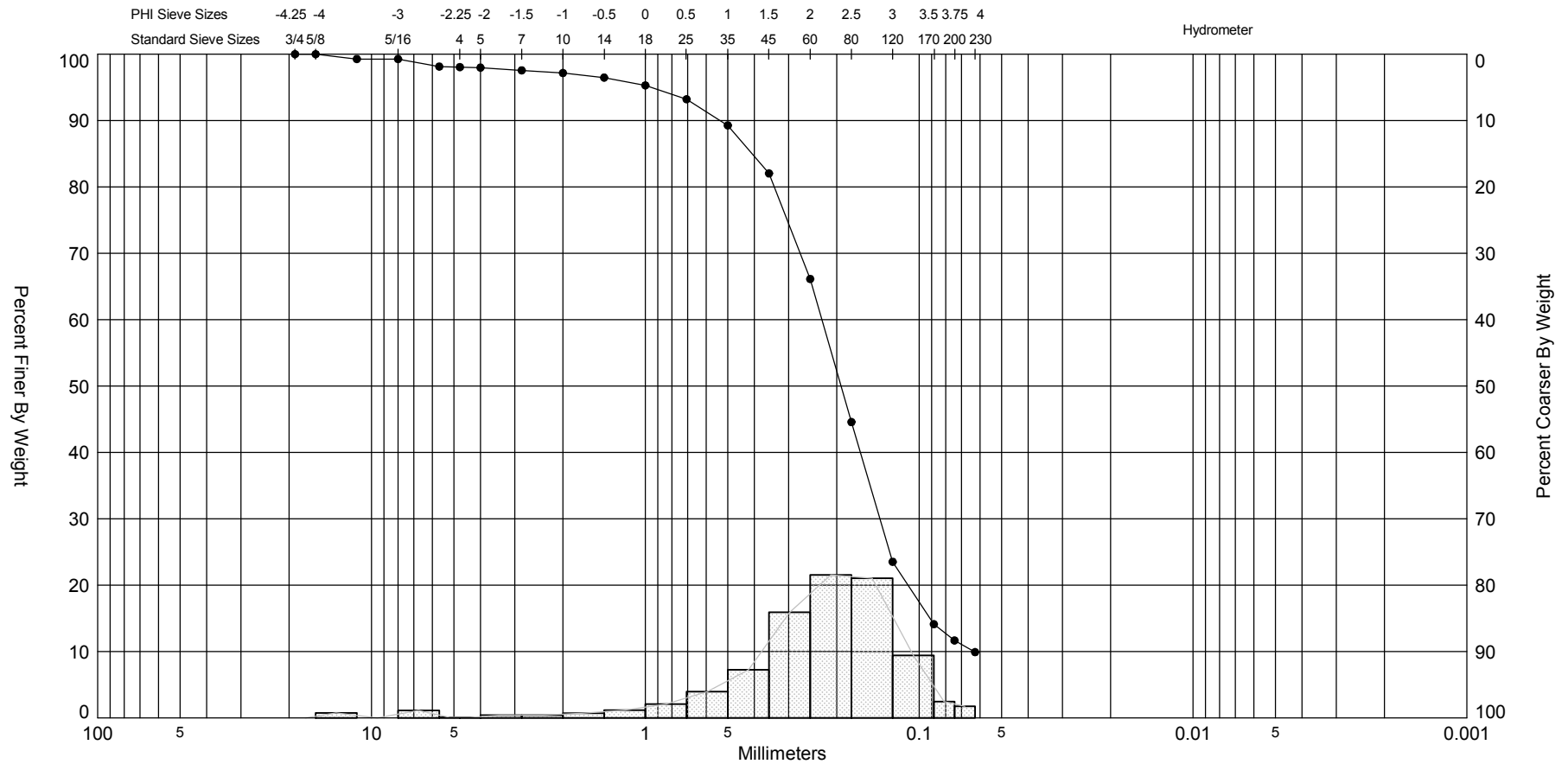
| Gravel |      | Sand   |        |      | Silt and Clay |
|--------|------|--------|--------|------|---------------|
| Coarse | Fine | Coarse | Medium | Fine |               |

| Sample  | Symbol | Elev. (ft) | USCS  | % Fines                    | % Organics | % Carbonates | Median | Mean | Skew  | Kurt | Sort | Sample Information |                                |
|---|--------|------------|-------|----------------------------|------------|--------------|--------|------|-------|------|------|--------------------|--------------------------------|
| SLC-11-C90 #4   | —●—    | -49.9      | SP-SM | #200 - 7.03<br>#230 - 6.07 | 2.50       | 56.70        | 2.23   | 2.14 | -0.62 | 4.9  | 0.73 | Project Name:      | 2011 SLC Geotech Investigation |
| Comments:   |        |            |       |                            |            |              |        |      |       |      |      | Analysis Date:     |                                |
| Depths and elevations based on measured values  |        |            |       |                            |            |              |        |      |       |      |      | Analyzed By:       | JB                             |
|  <b>COASTAL TECH</b><br>Coastal Geology & Sediments Laboratory |        |            |       |                            |            |              |        |      |       |      |      | Easting (X, ft):   | 933,803                        |
|   |        |            |       |                            |            |              |        |      |       |      |      | Northing (Y, ft):  | 1,103,535                      |
|   |        |            |       |                            |            |              |        |      |       |      |      | Horizontal System: | NAD 1983                       |
|   |        |            |       |                            |            |              |        |      |       |      |      | Vertical System:   | NAVD 88                        |
| 715 North Drive Suite E<br>Melbourne, FL 32934<br>Phone (321) 751-1135<br>Fax (321) 751-2343  |        |            |       |                            |            |              |        |      |       |      |      |                    |                                |


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

| Sample  | Symbol  | Elev. (ft) | USCS  | % Fines                    | % Organics | % Carbonates   | Median | Mean | Skew  | Kurt | Sort | Sample Information |                                |
|---|---|------------|-------|----------------------------|------------|--|--------|------|-------|------|------|--------------------|--------------------------------|
| SLC-11-C90 #5   |  | -51.9      | SP-SM | #200 - 8.91<br>#230 - 7.85 | 2.40       | 59.20  | 2.33   | 2.22 | -0.82 | 5.44 | 0.74 | Project Name:      | 2011 SLC Geotech Investigation |
| Comments:   |   |            |       |                            |            |  |        |      |       |      |      | Analysis Date:     |                                |
| Depths and elevations based on measured values  |   |            |       |                            |            |  |        |      |       |      |      | Analyzed By:       | JB                             |
|  <b>COASTAL TECH</b><br>Coastal Geology & Sediments Laboratory |   |            |       |                            |            | 715 North Drive Suite E<br>Melbourne, FL 32934<br>Phone (321) 751-1135<br>Fax (321) 751-2343 |        |      |       |      |      | Easting (X, ft):   | 933,803                        |
|   |   |            |       |                            |            |  |        |      |       |      |      | Northing (Y, ft):  | 1,103,535                      |
|   |   |            |       |                            |            |  |        |      |       |      |      | Horizontal System: | NAD 1983                       |
|   |   |            |       |                            |            |  |        |      |       |      |      | Vertical System:   | NAVD 88                        |

SIEVE ANALYSIS 2011-6-16 SLC PLANS AND SPECS.GPJ FL DEP ROSS.GDT 12/5/11



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

| Sample  | Symbol | Elev. (ft) | USCS  | % Fines                     | % Organics | % Carbonates | Median | Mean | Skew  | Kurt | Sort | Sample Information |                                |
|---|--------|------------|-------|-----------------------------|------------|--------------|--------|------|-------|------|------|--------------------|--------------------------------|
| SLC-11-C90 #6   | —●—    | -52.9      | SW-SM | #200 - 11.67<br>#230 - 9.91 | 2.30       | 60.20        | 2.37   | 2.05 | -2.06 | 9.28 | 1.21 | Project Name:      | 2011 SLC Geotech Investigation |
| Comments:   |        |            |       |                             |            |              |        |      |       |      |      | Analysis Date:     |                                |
| Depths and elevations based on measured values  |        |            |       |                             |            |              |        |      |       |      |      | Analyzed By:       | JB                             |
|  <b>COASTAL TECH</b><br>Coastal Geology & Sediments Laboratory |        |            |       |                             |            |              |        |      |       |      |      | Easting (X, ft):   | 933,803                        |
|   |        |            |       |                             |            |              |        |      |       |      |      | Northing (Y, ft):  | 1,103,535                      |
|   |        |            |       |                             |            |              |        |      |       |      |      | Horizontal System: | NAD 1983                       |
|   |        |            |       |                             |            |              |        |      |       |      |      | Vertical System:   | NAVD 88                        |
| 715 North Drive Suite E<br>Melbourne, FL 32934<br>Phone (321) 751-1135<br>Fax (321) 751-2343  |        |            |       |                             |            |              |        |      |       |      |      |                    |                                |