Schnabel Engineering

**Project Name:** Constellation Generation Group COLA Project
Calvert Cliffs Nuclear Power Plant (CCNPP)
Calvert County, Maryland

**Project Number:** 06120048.00

## SUMMARY OF SOIL LABORATORY TEST RESULTS - COMPOSITE SAMPLES[1]

| Sample ID Number | Boring/ Test Pit No. | Sample Top Depth (ft.) | Sample Type[2] | USCS Sample Class. (D 2487)[3] | Sieve Results (D 422) | |
|---|---|---|---|---|---|---|
| | | | | | Percent Passing No. 200 | Percent Retained No. 4 |
| C-1A | B-301 | 43.5 | UD | MH | 99.2 | 0.0 |
| C-2A | B-303 | 73.5<br>78.5 | SPT | SM | 18.7 | 2.6 |
| C-3A | B-318 | 43.5<br>48.5 | SPT | CH | 81.9 | 0.0 |
| C-4A | B-323<br>B-324 | 33.5<br>32.5 | SPT | SP-SM | 5.9 | 0.0 |
| C-5A | B-335 | 63.5<br>68.5 | SPT | SM | 18.3 | 6.1 |
| C-6A | B-401 | 63.5<br>73.5 | SPT | SM | 15.1 | 11.6 |
| C-7A | B-402 | 23.5<br>28.5 | SPT | CH | 97.6 | 0.0 |
| C-8A | B-422 | 48.5 | UD | CH | 94.7 | 0.0 |
| C-9A | B-424 | 33.5<br>38.5 | SPT | SP-SM | 9.6 | 0.0 |
| C-10A | B-428<br>B-429 | 38.5<br>38.5 | SPT | SP-SM | 7.2 | 0.0 |
| C-11A | B-428 | 63.0 | UD | CH/OH | 92.0 | 0.0 |
| C-12A | B-705 | 43.5<br>48.5 | SPT | SM | 15.3 | 0.1 |
| C-13A | B-708 | 23.5<br>28.5 | SPT | SM | 13.4 | 30.6 |
| C-14A | B-711 | 28.5<br>33.5 | SPT | SM | 12.7 | 7.9 |
| C-15A | B-725 | 48.5<br>53.5 | SPT | SP-SM | 11.6 | 4.2 |
| C-16A | B-735 | 63.5<br>68.5 | SPT | SM | 14.5 | 6.8 |
| C-17A | B-744 | 48.5<br>53.5 | SPT | SM | 31.6 | 0.0 |
| C-18A | B-756 | 33.5<br>38.5 | SPT | SC | 34.4 | 3.0 |
| C-19A | B-768 | 43.5 | UD | SM | 15.7 | 0.0 |
| C-20A | B-769 | 43.5<br>48.5 | SPT | SC | 13.8 | 0.0 |

NOTES:

1. Tests are in accordance with applicable ASTM standards
2. Sample type: SPT = sample obtained from split spoon, UD = undisturbed sample in thin walled sampler
3. Visual-manual procedures (ASTM D 2488) used as appropriate.

# SUMMARY OF CHEMCIAL LABORATORY TEST RESULTS – SOIL AND WATER

Schnabel Engineering

**Project Name:** Constellation Generation Group COLA Project
Calvert Cliffs Nuclear Power Plant (CCNPP)
Calvert County, Maryland

**Project Number:** 06120048.00

## SUMMARY OF CHEMICAL LABORATORY TEST RESULTS - SOIL[1]

| Boring/ Test Pit ID | Depth (ft.) | Sample Type[2] | USCS Sample Class. (D 2487)[3] | Chemical Testing | | | |
|---|---|---|---|---|---|---|---|
| | | | | Chloride [mg/kg] (EPA 300.0) | pH in Calcium Chloride [S.U.] (D 4972) | pH in Deionized Water [S.U.] (D 4972) | Sulfate [mg/kg] (EPA 300.0) |
| B-307 | 43.5 | SPT | SM | <10.0 | 3.3 | 3.7 | 668 |
| B-307 | 73.5 | SPT | SC | <10.0 | 2.5 | 2.7 | 18400 |
| B-307 | 88.5 | SPT | SM | <10.0 | 7 | 7.2 | 1200 |
| B-313 | 10.5 | SPT | ML | <10.0 | 3.3 | 3.9 | 82.8 |
| B-313 | 18.5 | SPT | SP-SM | <10.0 | 4.1 | 4.9 | 99.6 |
| B-313 | 38.5 | SPT | SM | 19.3 | 6.6 | 6.9 | 880 |
| B-315 | 10.5 | SPT | SM | <10.0 | 4.9 | 5.8 | 65.3 |
| B-315 | 33.5 | SPT | SM | 73.2 | 6.9 | 7 | 334 |
| B-315 | 43.5 | SPT | SM | <10.0 | 6.4 | 6.7 | 7170 |
| B-316 | 38.5 | SPT | CL | <10.0 | 2.7 | 2.7 | 25900 |
| B-316 | 58.5 | SPT | SC | <10.0 | 2.7 | 2.9 | 22600 |
| B-316 | 63.5 | SPT | SC | <10.0 | 2.8 | 2.9 | 16400 |
| B-317 | 23.5 | SPT | ML | <10.0 | 3.7 | 4.9 | 194 |
| B-317 | 33.5 | SPT | CH | <10.0 | 2.7 | 2.9 | 18900 |
| B-317 | 58.5 | SPT | SP-SM | <10.0 | 5.2 | 5.6 | 264 |
| B-317 | 73.5 | SPT | SC | <10.0 | 6.9 | 6.8 | 569 |
| B-321 | 7.5 | SPT | CL | <10.0 | 3.5 | 5 | 36.6 |
| B-321 | 13.5 | SPT | SC | <10.0 | 2.8 | 2.8 | 22300 |
| B-321 | 33.5 | SPT | SP-SM | <10.0 | 2.8 | 2.9 | 17700 |
| B-328 | 0.2 | SPT | SP-SM | <10.0 | 3.9 | 4.2 | 39.7 |
| B-328 | 7.5 | SPT | CH | <10.0 | 2.8 | 3.1 | 16400 |
| B-328 | 48.5 | SPT | ML | <10.0 | 6.3 | 6.4 | 4690 |
| B-334 | 18.5 | SPT | CL | <10.0 | 2.6 | 2.7 | 12400 |
| B-334 | 28.5 | SPT | CH | <10.0 | 2.6 | 2.7 | 14000 |
| B-334 | 43.5 | SPT | SM | 70.8 | 2.7 | 2.8 | 20800 |
| B-334 | 53.5 | SPT | SP-SM | 72.9 | 6.6 | 6.6 | 1130 |
| B-336 | 13.5 | SPT | SC | <10.0 | 3.7 | 4.7 | 20.9 |
| B-336 | 28.5 | SPT | CH | <10.0 | 2.7 | 2.9 | 15400 |
| B-336 | 48.5 | SPT | CL | <10.0 | 2.8 | 2.7 | 8050 |
| B-336 | 68.5 | SPT | SM | <10.0 | 6.6 | 6.7 | 3240 |
| B-336 | 83.5 | SPT | SM | <10.0 | 6.6 | 6.6 | 2540 |
| B-336 | 98.5 | SPT | SC | <10.0 | 6.8 | 6.9 | 2900 |
| B-337 | 33.5 | SPT | ML | <10.0 | 2.9 | 3.1 | 6090 |
| B-337 | 48.5 | SPT | SC | <10.0 | 6.1 | 6.2 | 11500 |
| B-337 | 73.5 | SPT | SM | <10.0 | 6.7 | 6.8 | 2850 |
| B-337 | 88.5 | SPT | SM | <10.0 | 6.88 | 7 | 1350 |

NOTES:

1. Tests are in accordance with applicable EPA and ASTM standards
2. Sample type: SPT = sample obtained from split spoon; UD = undisturbed sample in thin walled samples
3. Visual-manual procedures (ASTM D 2488) used as appropriate.

Schnabel Engineering

**Project Name:** Constellation Generation Group COLA Project
Calvert Cliffs Nuclear Power Plant (CCNPP)
Calvert County, Maryland

**Project Number:** 06120048.00

## SUMMARY OF CHEMICAL LABORATORY TEST RESULTS - SOIL[1]

| Boring/ Test Pit ID | Depth (ft.) | Sample Type[2] | USCS Sample Class. (D 2487)[3] | Chemical Testing | | | |
|---|---|---|---|---|---|---|---|
| | | | | Chloride [mg/kg] (EPA 300.0) | pH in Calcium Chloride [S.U.] (D 4972) | pH in Deionized Water [S.U.] (D 4972) | Sulfate [mg/kg] (EPA 300.0) |
| B-401 | 2.5 | SPT | SM | <10.0 | 4.2 | 5.1 | 56.2 |
| B-401 | 33.5 | SPT | SP | <10.0 | 4.6 | 5.3 | 100 |
| B-401 | 53.5 | SPT | SM | <10.0 | 6.9 | 6.9 | 1670 |
| B-401 | 78.5 | SPT | SM | 29.1 | 7.4 | 8 | 537 |
| B-407 | 10.5 | SPT | SP-SM | <10.0 | 5.1 | 5.7 | 37.4 |
| B-407 | 28.5 | SPT | MH | <10.0 | 2.9 | 2.5 | 8270 |
| B-407 | 63.5 | SPT | SM | <10.0 | 6.5 | 6.6 | 2830 |
| B-414 | 7.5 | SPT | SP-SM | <10.0 | 5.4 | 6.8 | 24.4 |
| B-414 | 18.5 | SPT | SP-SM | <10.0 | 4.6 | 5.9 | 52.7 |
| B-414 | 33.5 | SPT | SP-SM | <10.0 | 4.1 | 4.9 | 37.8 |
| B-414 | 63.5 | SPT | CH | <10.0 | 2.7 | 2.9 | 7820 |
| B-414 | 78.5 | SPT | ML | 71 | 3.6 | 3.8 | 2660 |
| B-420 | 2.5 | SPT | CH | 10.7 | 3.4 | 4.5 | 188 |
| B-420 | 18.5 | SPT | CH | <10.0 | 2.5 | 2.5 | 31300 |
| B-420 | 33.5 | SPT | SM | <10.0 | 2.4 | 2.5 | 30600 |
| B-420 | 53.5 | SPT | SM | <10.0 | 6.3 | 6.6 | 5170 |
| B-420 | 73.5 | SPT | SM | <10.0 | 6.5 | 6.9 | 1160 |
| B-420 | 93.5 | SPT | CH | <10.0 | 6.6 | 7 | 1960 |
| B-421 | 23.5 | SPT | SM | <10.0 | 6.7 | 7.4 | 87.7 |
| B-421 | 38.5 | SPT | SP-SM | <10.0 | 6.6 | 7.6 | 24.6 |
| B-421 | 43.5 | SPT | MH | <10.0 | 3.9 | 4.8 | 79.8 |
| B-421 | 53.5 | SPT | CH | <10.0 | 2.8 | 2.6 | 7720 |
| B-421 | 63.5 | SPT | CH | <10.0 | 3.3 | 3.4 | 6370 |
| B-421 | 78.5 | SPT | SM | <10.0 | 6.9 | 7 | 2950 |
| B-421 | 88.5 | SPT | SM | <10.0 | 6.7 | 6.8 | 2110 |
| B-421 | 103.5 | SPT | SM | <10.0 | 6.8 | 7 | 2640 |
| B-423 | 18.5 | SPT | SM | 48.6 | 5.5 | 5.9 | 104 |
| B-423 | 28.5 | SPT | SM | 10.8 | 5.9 | 6.9 | 13.8 |
| B-423 | 83.5 | SPT | SM | 16.6 | 6.8 | 6.5 | 1960 |
| B-427 | 7.5 | SPT | SP-SM | <10.0 | 5.4 | 7.5 | 20 |
| B-427 | 38.5 | SPT | SP | <10.0 | 6.1 | 6.7 | 58.8 |
| B-427 | 78.5 | SPT | SM | <10.0 | 6 | 6 | 1170 |
| B-433 | 5.0 | SPT | ML | <10.0 | 3.9 | 4.8 | 139 |
| B-433 | 23.5 | SPT | SW-SM | <10.0 | 4.8 | 5.6 | 46.4 |
| B-433 | 33.5 | SPT | MH | <10.0 | 3.8 | 5 | 60.3 |
| B-434 | 7.5 | SPT | SP-SM | <10.0 | 4 | 5.2 | 94.2 |
| B-434 | 18.5 | SPT | SP-SM | <10.0 | 4.8 | 5.7 | 43 |
| B-434 | 33.5 | SPT | SM | <10.0 | 2.6 | 2.7 | 25700 |
| B-434 | 68.5 | SPT | SM | 145 | 6.6 | 6.8 | 393 |
| B-434 | 78.5 | SPT | SM | <10.0 | 6.8 | 7 | 1530 |
| B-434 | 88.5 | SPT | SM | <10.0 | 6.8 | 7.1 | 1050 |

NOTES:

1. Tests are in accordance with applicable EPA and ASTM standards.
2. Sample type: SPT = sample obtained from split spoon, UD = undisturbed sample in thin walled sampler
3. Visual-manual procedures (ASTM D 2488) used as appropriate.

Schnabel Engineering

**Project Name:** Constellation Generation Group COLA Project
Calvert Cliffs Nuclear Power Plant (CCNPP)
Calvert County, Maryland

**Project Number:** 06120048.00

## SUMMARY OF CHEMICAL LABORATORY TEST RESULTS - SOIL[1]

| Composite Sample ID | Boring/ Test Pit ID | Depth (ft.) | Sample Type[2] | USCS Sample Class. (D 2487)[3] | Chemical Analysis | | |
|---|---|---|---|---|---|---|---|
| | | | | | pH in Calcium Chloride [S.U.] (D 4972) | pH in Deionized Water [S.U.] (D 4972) | Cation Exchange Capacity [meq/100g] (EPA 9081) |
| C-1b | B-301 | 43.5 | UD | MH | 5.9 | 6.0 | 26.3 |
| C-2b | B-303 | 73.5<br>78.5 | SPT | SM | 7.6 | 7.6 | 7.8 |
| C-3b | B-318 | 43.5<br>48.5 | SPT | CH | 2.5 | 2.6 | 27.9 |
| C-4b | B-323<br>B-324 | 33.5<br>32.5 | SPT | SP-SM | 4.6 | 5.9 | 1.6 |
| C-5b | B-335 | 63.5<br>68.5 | SPT | SM | 7.0 | 7.0 | 10.1 |
| C-6b | B-401 | 63.5<br>73.5 | SPT | SM | 7.4 | 7.4 | 8.0 |
| C-7b | B-402 | 23.5<br>28.5 | SPT | CH | 2.9 | 3.0 | 31.9 |
| C-8b | B-422 | 48.5 | UD | CH | 4.8 | 4.9 | 22.8 |
| C-9b | B-424 | 33.5<br>38.5 | SPT | SP-SM | 5.0 | 5.8 | 3.1 |
| C-10b | B-428<br>B-429 | 38.5<br>38.5 | SPT | SP-SM | 7.1 | 7.8 | 2.0 |
| C-11b | B-428 | 63.0 | UD | CH/OH | 3.8 | 3.9 | 24.9 |
| C-12b | B-705 | 43.5<br>48.5 | SPT | SM | 7.3 | 7.3 | 7.0 |
| C-13b | B-708 | 23.5<br>28.5 | SPT | SM | 7.3 | 7.4 | 7.2 |
| C-14b | B-711 | 28.5<br>33.5 | SPT | SM | 7.7 | 7.8 | 6.6 |
| C-15b | B-725 | 48.5<br>53.5 | SPT | SP-SM | 7.7 | 7.8 | 8.5 |
| C-16b | B-735 | 63.5<br>68.5 | SPT | SM | 7.7 | 7.7 | 6.6 |
| C-17b | B-744 | 48.5<br>53.5 | SPT | SM | 3.0 | 3.4 | 16.8 |
| C-18b | B-756 | 33.5<br>38.5 | SPT | SC | 5.8 | 6.4 | 9.6 |
| C-19b | B-768 | 43.5 | UD | SM | 7.1 | 7.2 | 6.8 |
| C-20b | B-769 | 43.5<br>48.5 | SPT | SC | 4.8 | 4.9 | 7.2 |

NOTES:

1. Tests are in accordance with applicable EPA and ASTM standards.
2. Sample type: SPT = sample obtained from split spoon, UD = undisturbed sample in thin walled sampler
3. Visual-manual procedures (ASTM D 2488) used as appropriate.

Schnabel Engineering

**Project Name:** Constellation Generation Group COLA Project
Calvert Cliffs Nuclear Power Plant (CCNPP)
Calvert County, Maryland

**Project Number:** 06120048.00

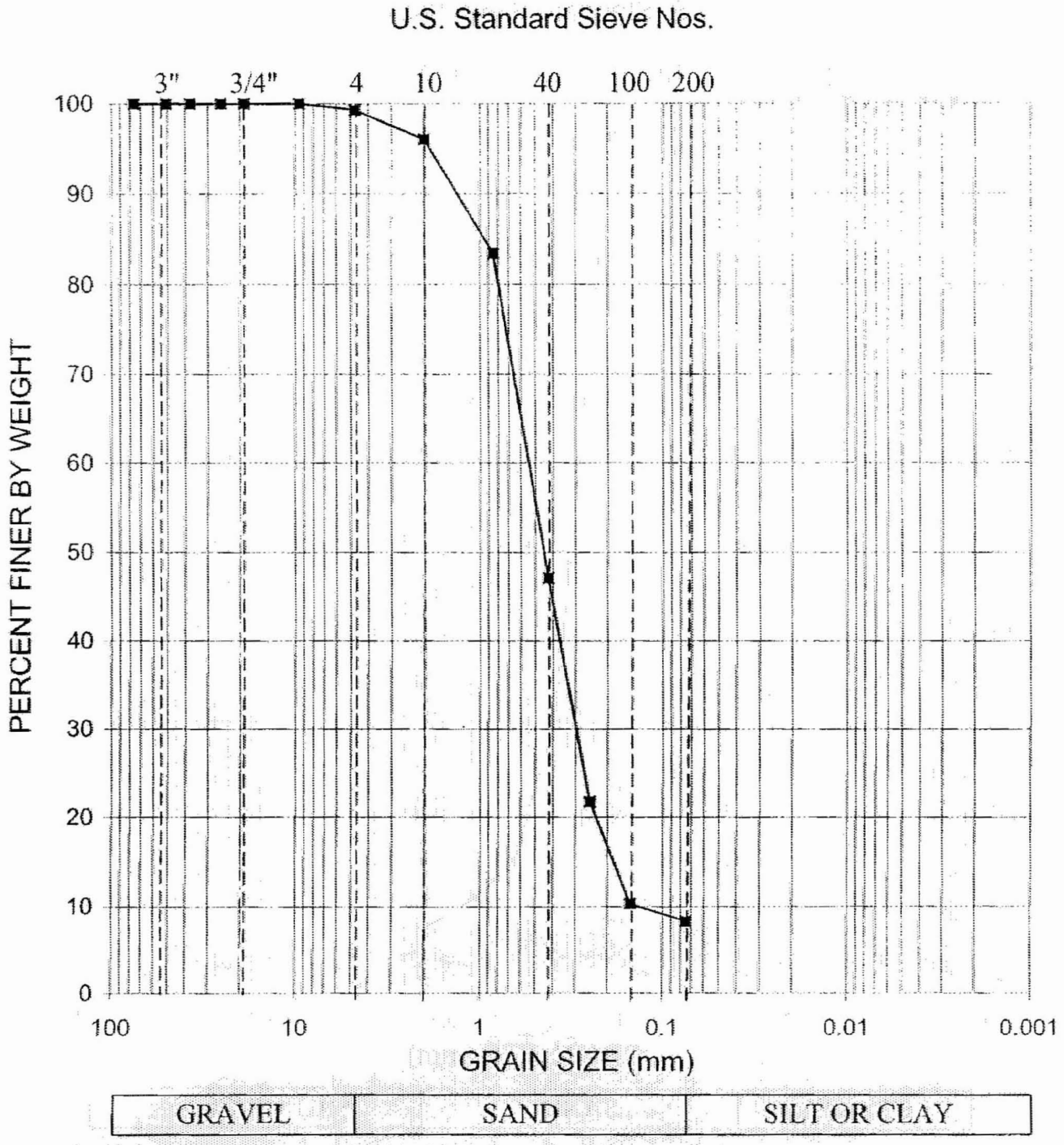
## SUMMARY OF CHEMICAL LABORATORY TEST RESULTS - GROUND WATER[1]

| Sample ID | Well No. | Sample Type | Chemical Analysis | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Alkalinity, Total [mg/L] (EPA 310.1) | Ammonia Nitrogen [mg/L] (EPA 350.1) | Bromide [mg/L] (EPA 300.0) | Chloride [mg/L] (EPA 300.0) | Dissolved Solids [mg/L] (EPA 160.1) | Fluoride [mg/L] (EPA 300.0) | Nitrate [mg/L] (EPA 300.0) | Nitrite [mg/L] (EPA 300.0) | Sulfate [mg/L] (EPA 300.0) | Sulfide [mg/L] (EPA 376.1) |
| OW-301-1 | OW-301 | Grab | 166 | <0.04 | <1.00 | 10.7 | 182 | <0.20 | <0.2 | <0.2 | 8.8 | <1.0 |
| OW-301-2 | OW-301 | Grab | 170 | <0.04 | <1.00 | 10.7 | 151 | <0.20 | <0.2 | <0.2 | 8.8 | <1.0 |
| OW-322 | OW-322 | Grab | 88 | <0.04 | <1.00 | 2.6 | 27 | <0.20 | <0.2 | <0.2 | 2.6 | <1.0 |
| OW-336 | OW-336 | Grab | 163 | <0.04 | <1.00 | 8.6 | 251 | 0.28 | <0.2 | <0.2 | 29.5 | <1.0 |
| OW-401 | OW-401 | Grab | 196 | <0.04 | <1.00 | 6.5 | 268 | 0.28 | <0.2 | <0.2 | 28.2 | <1.0 |
| OW-403 | OW-403 | Grab | 104 | <0.04 | <1.00 | 30.1 | 71 | <0.20 | 1.4 | <0.2 | 14.8 | <1.0 |
| OW-428 | OW-428 | Grab | 74 | <0.04 | <1.00 | 17.3 | 72 | <0.20 | 0.6 | <0.2 | 6.8 | <1.0 |
| OW-705 | OW-705 | Grab | 191 | <0.04 | <1.00 | 20.1 | 295 | 0.40 | <0.2 | <0.2 | 37.4 | <1.0 |
| OW-708A | OW-708A | Grab | 350 | 0.06 | <1.00 | 40.8 | 453 | <0.20 | <0.2 | <0.2 | 40.7 | <1.0 |
| OW-711 | OW-711 | Grab | 207 | <0.04 | <1.00 | 9.2 | 242 | <0.20 | <0.2 | <0.2 | 14.9 | <1.0 |
| OW-725 | OW-725 | Grab | 60.0 | <0.04 | <1.00 | 6.7 | 236 | 0.20 | <0.2 | <0.2 | 16.6 | <1.0 |
| OW-735 | OW-735 | Grab | 75.0 | <0.04 | <1.00 | 6.5 | 108 | <0.20 | <0.2 | <0.2 | 12.9 | <1.0 |
| OW-744 | OW-744 | Grab | 22.0 | <0.04 | <1.00 | 5.3 | 231 | <0.20 | <0.2 | <0.2 | 18.1 | <1.0 |
| OW-752A | OW-752A | Grab | 28.0 | <0.04 | <1.00 | 6.4 | 185 | <0.20 | <0.2 | <0.2 | 55.6 | <1.0 |
| OW-768A | OW-768A | Grab | 301 | <0.04 | <1.00 | 12.4 | 400 | 0.21 | <0.2 | <0.2 | 70.6 | <1.0 |
| OW-769 | OW-769 | Grab | 241 | <0.04 | <1.00 | 7.6 | 264 | <0.20 | <0.2 | <0.2 | 22.8 | <1.0 |

Surficial Aquifer
Upper Chesapeake

NOTES:
1. Tests are in accordance with applicable EPA standards.

# GRADATION CURVES




**GRADATION CURVE**

ASTM D422

| Project: | Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland | Contract No.: | 06120048.00 | Date: | 8/14/2006 |
|---|---|---|---|---|---|

| Boring No. | Depth (ft) | Sample Description | Class. | LL | PI |
|---|---|---|---|---|---|
| B-301 | 2.5 | Poorly Graded SAND, with silt, trace gravel, brown | SP-SM | | |

Schnabel

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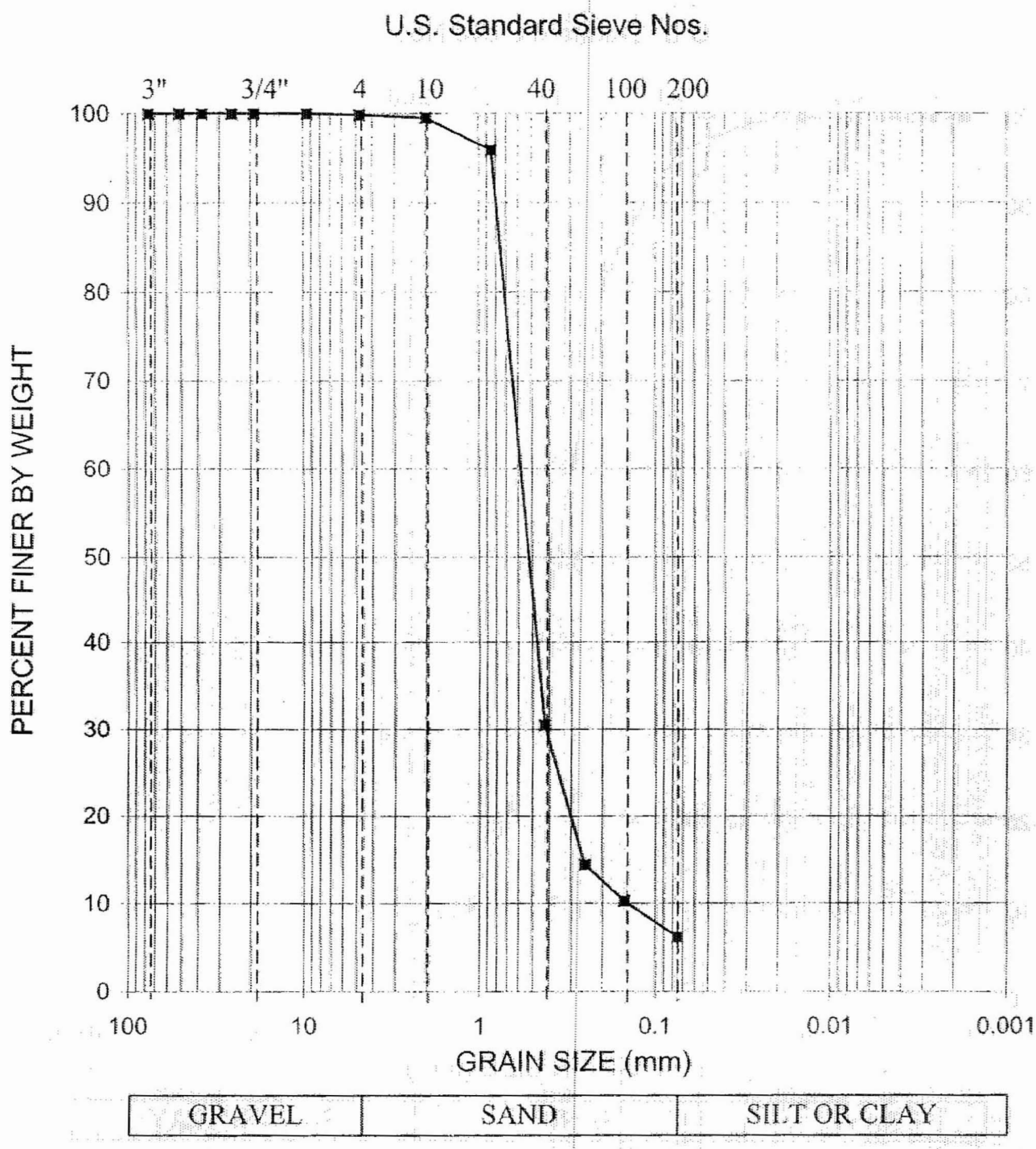



**GRADATION CURVE**

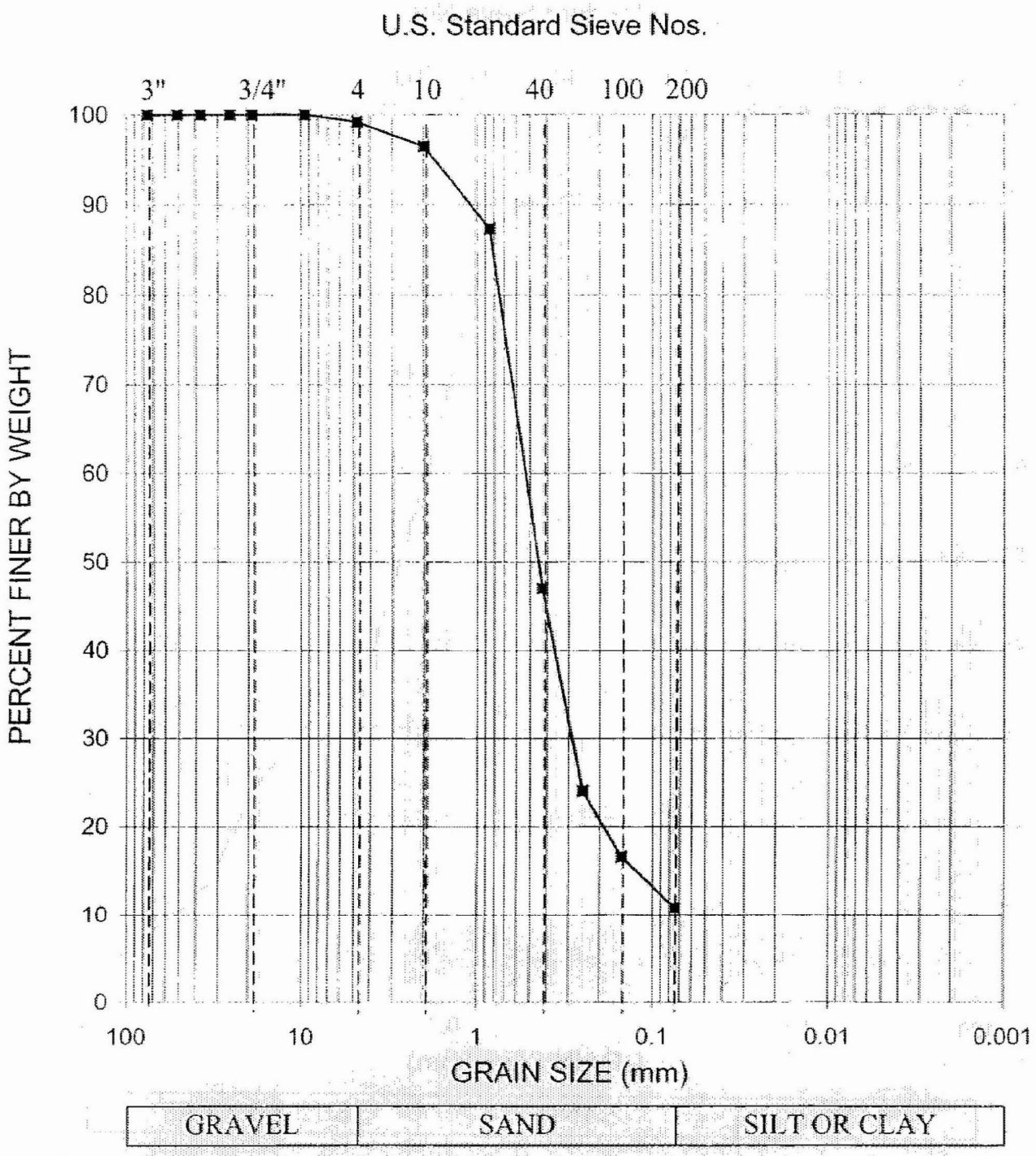
ASTM D422

| Project: | Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland | Contract No.: 06120048.00 | Date: 8/14/2006 |
|---|---|---|---|

| Boring No. | Depth (ft) | Sample Description | Class. | LL | PI |
|---|---|---|---|---|---|
| B-301 | 10.5 | Poorly Graded SAND, with silt, brown | SP-SM | | |

Schnabel

Schnabel Engineering




**GRADATION CURVE**

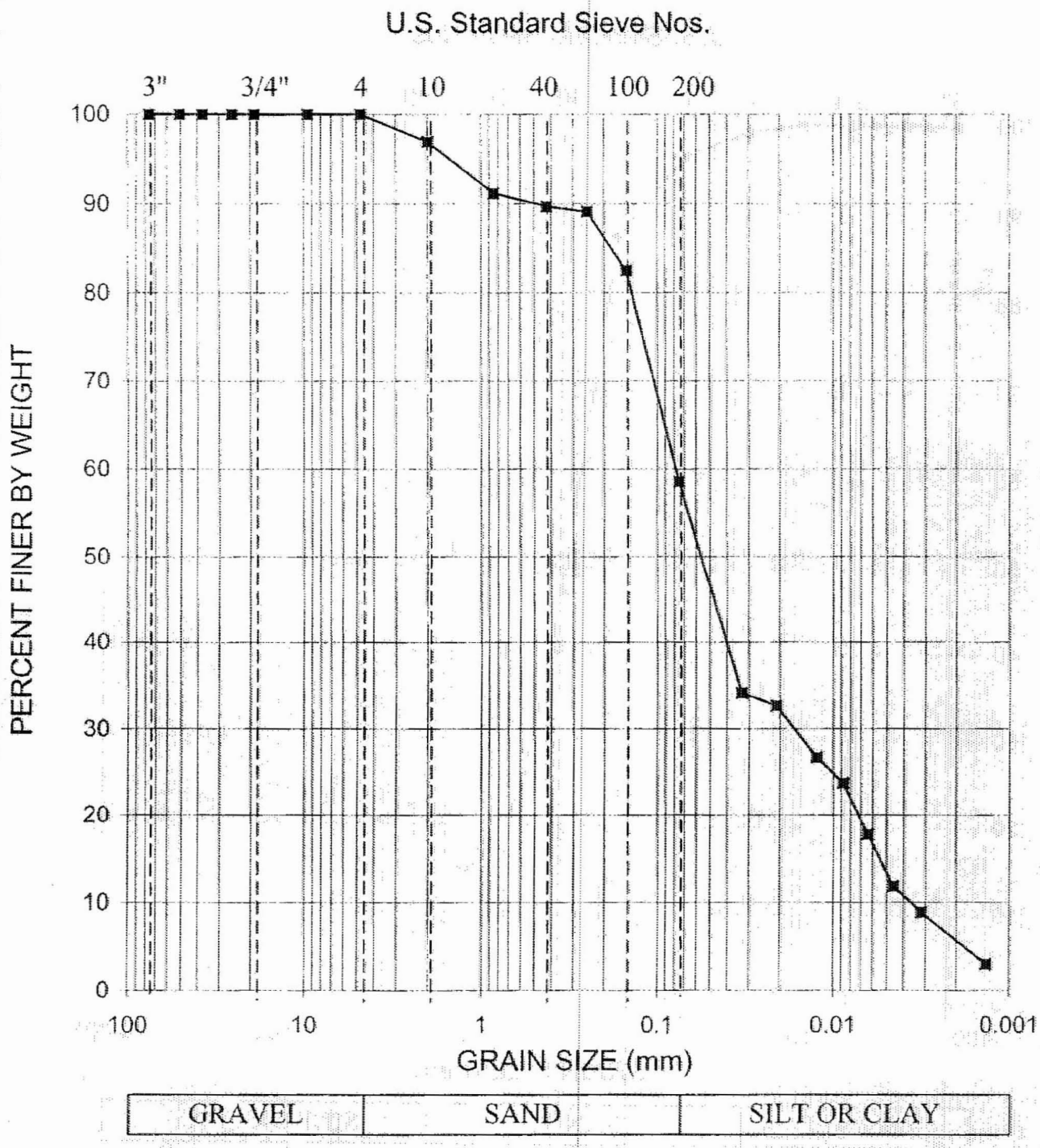
ASTM D422

| Project: | Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland | Contract No.: 06120048.00 | Date: 8/14/2006 |
|---|---|---|---|

| Boring No. | Depth (ft) | Sample Description | Class. | LL | PI |
|---|---|---|---|---|---|
| B-301 | 18.5 | Poorly Graded SAND, with silt, trace gravel, brown | SP-SM | | |

Schnabel

Schnabel Engineering




**GRADATION CURVE**

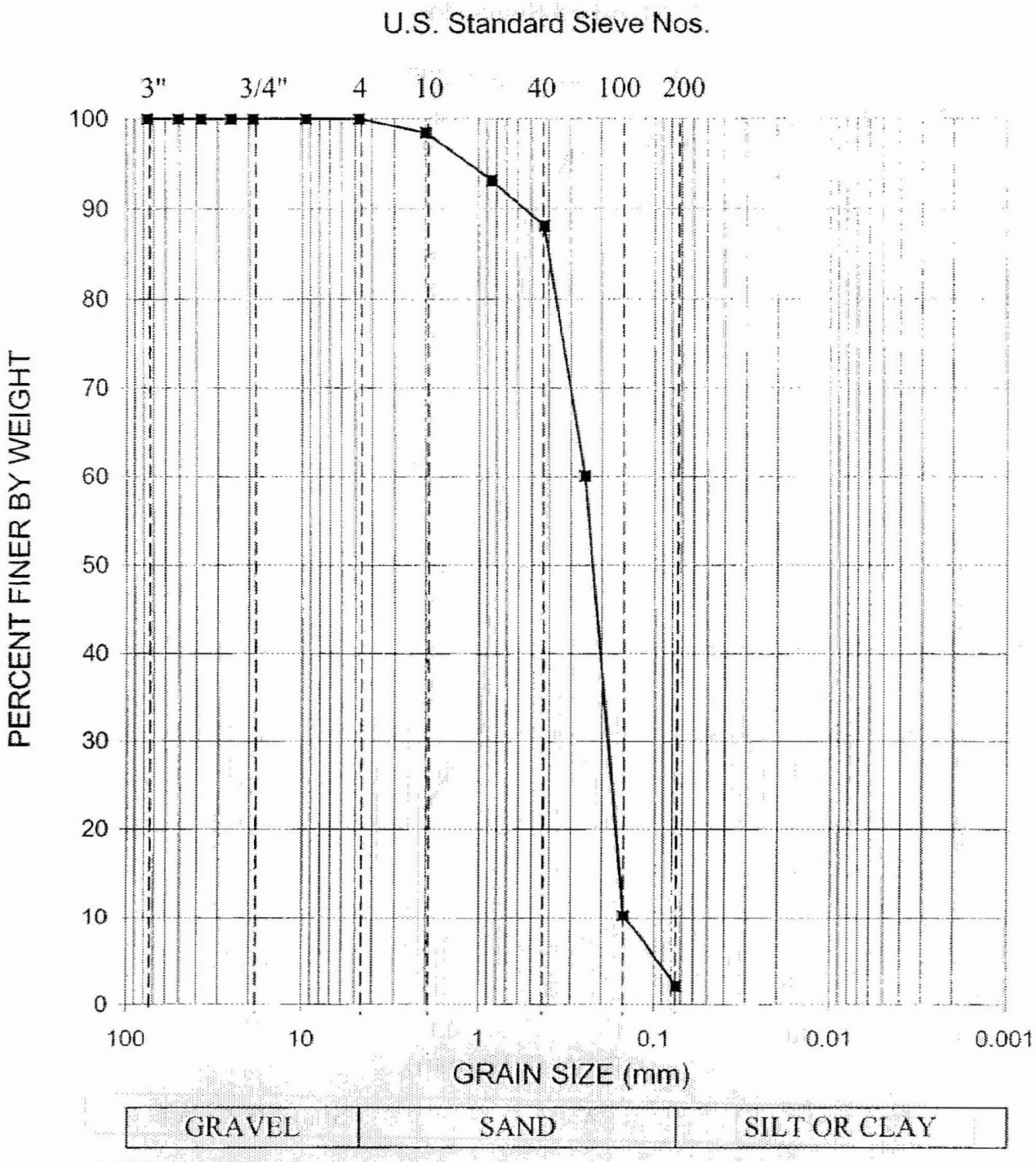
ASTM D422

| Project: | Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland | Contract No.: 06120048.00 | Date: 8/19/2006 |
|---|---|---|---|

| Boring No. | Depth (ft) | Sample Description | Class. | LL | PI |
|---|---|---|---|---|---|
| B-301 | 28.5 | Sandy LEAN CLAY, dark gray | CL | 48 | 31 |

Schnabel

Schnabel Engineering




**GRADATION CURVE**

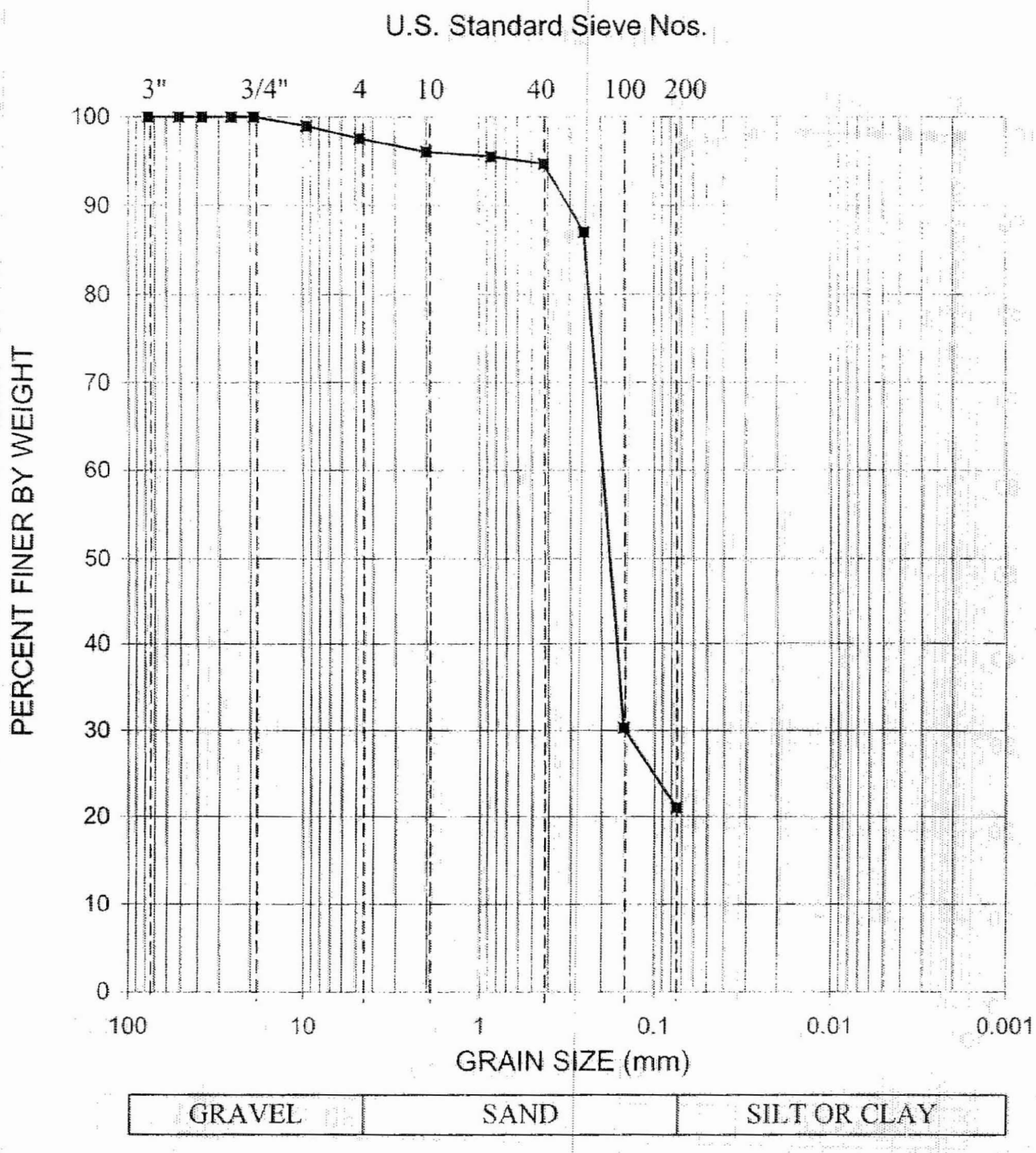
ASTM D422

| Project: | Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland | Contract No.: 06120048.00 | Date: 8/14/2006 |
|---|---|---|---|

| Boring No. | Depth (ft) | Sample Description | Class. | LL | PI |
|---|---|---|---|---|---|
| B-301 | 63.5 | Poorly Graded SAND, trace silt, contains shells, gray | SP | | |

Schnabel

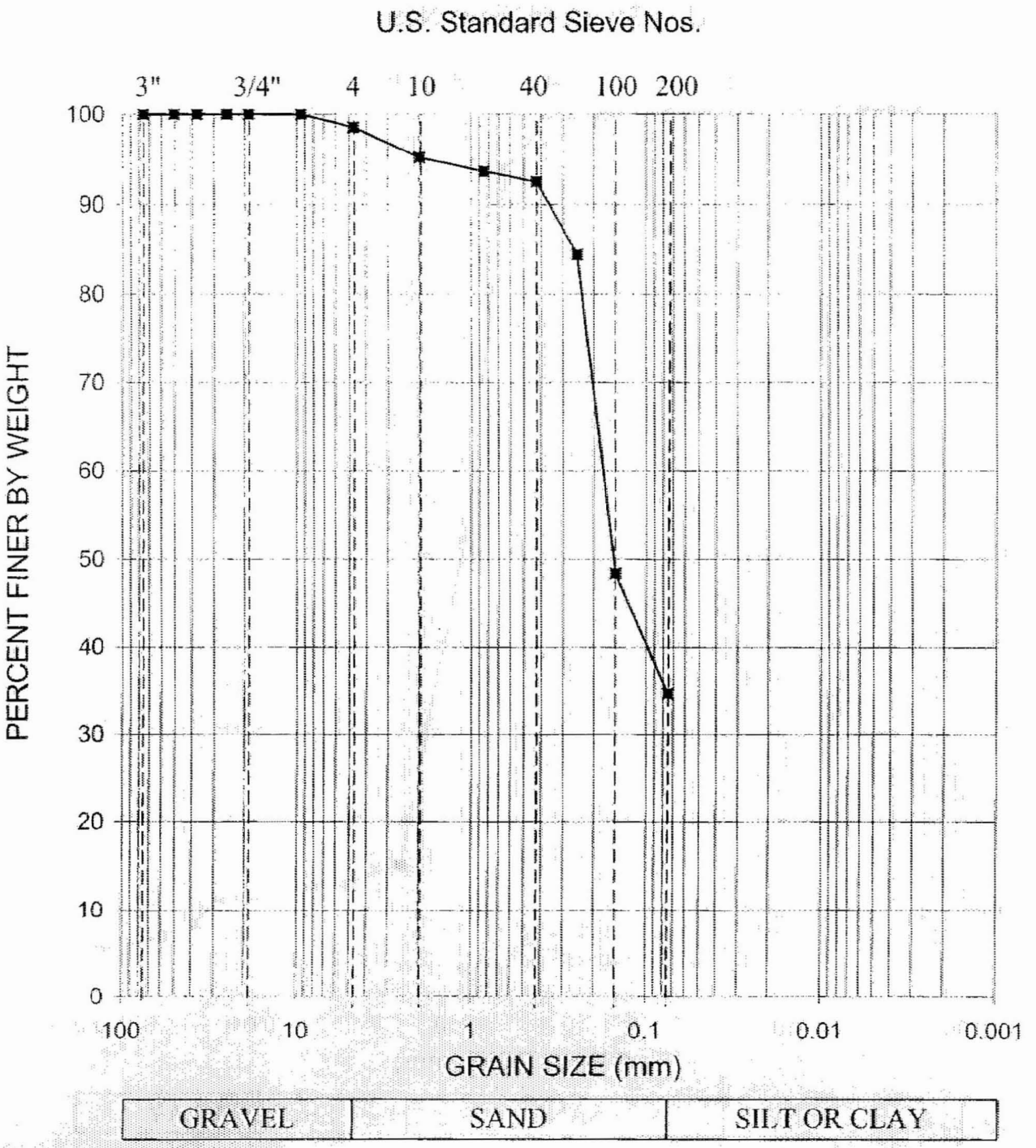
Schnabel Engineering




**GRADATION CURVE**

ASTM D422

| Project: | Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland | | Contract No.: 06120048.00 | | Date: 8/14/2006 | |
|---|---|---|---|---|---|---|
| Boring No. | Depth (ft) | Sample Description | Class. | LL | PI | |
| B-301 | 83.5 | Silty SAND, trace shells, dark gray | SM | | | Schnabel Engineering |



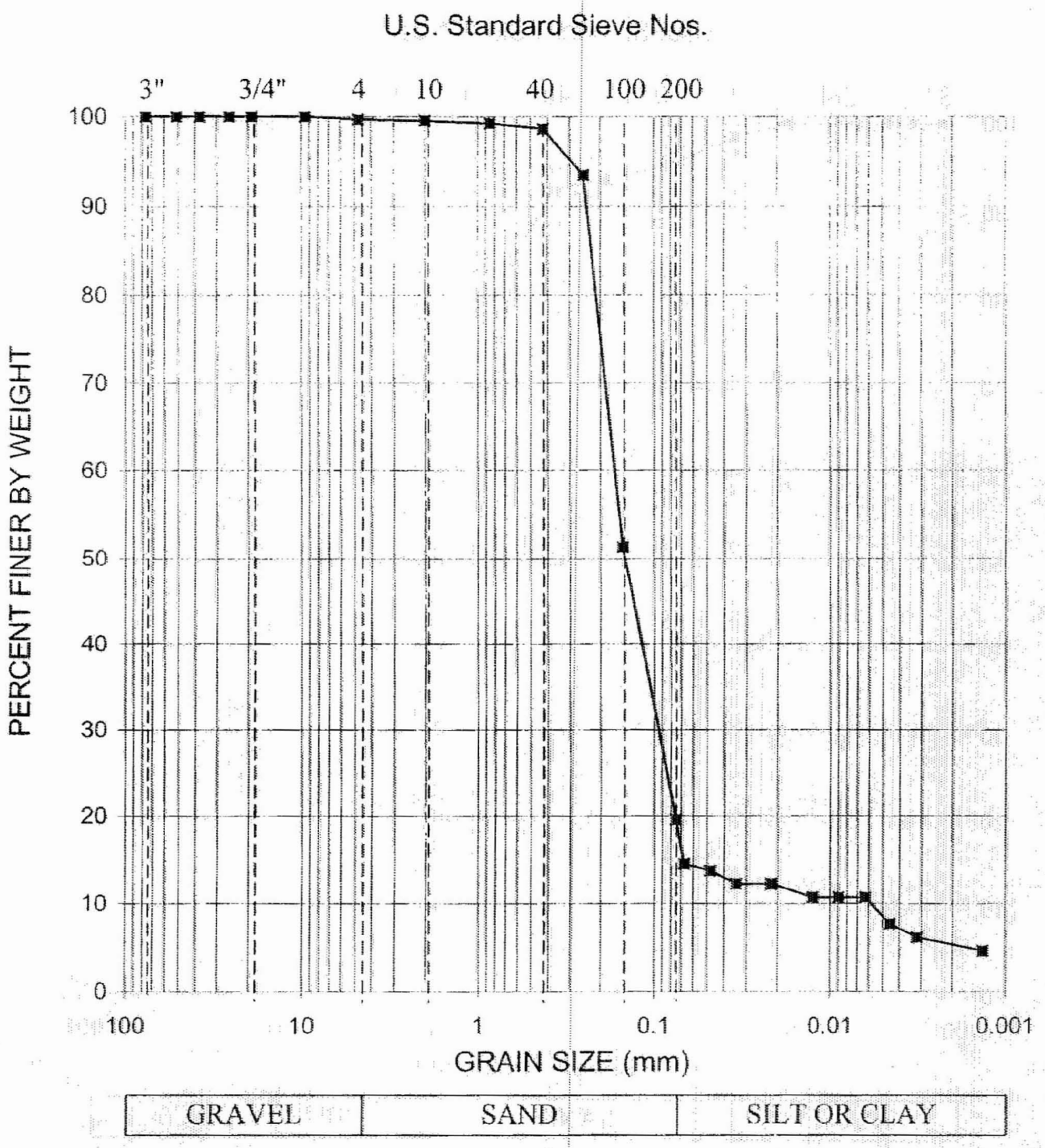

**GRADATION CURVE**

ASTM D422

| Project: | Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland | Contract No.: 06120048.00 | Date: 8/14/2006 |
|---|---|---|---|

| Boring No. | Depth (ft) | Sample Description | Class. | LL | PI |
|---|---|---|---|---|---|
| B-301 | 108.5 | Silty SAND, trace shells, gray | SM | | |

Schnabel Engineering




**GRADATION CURVE**

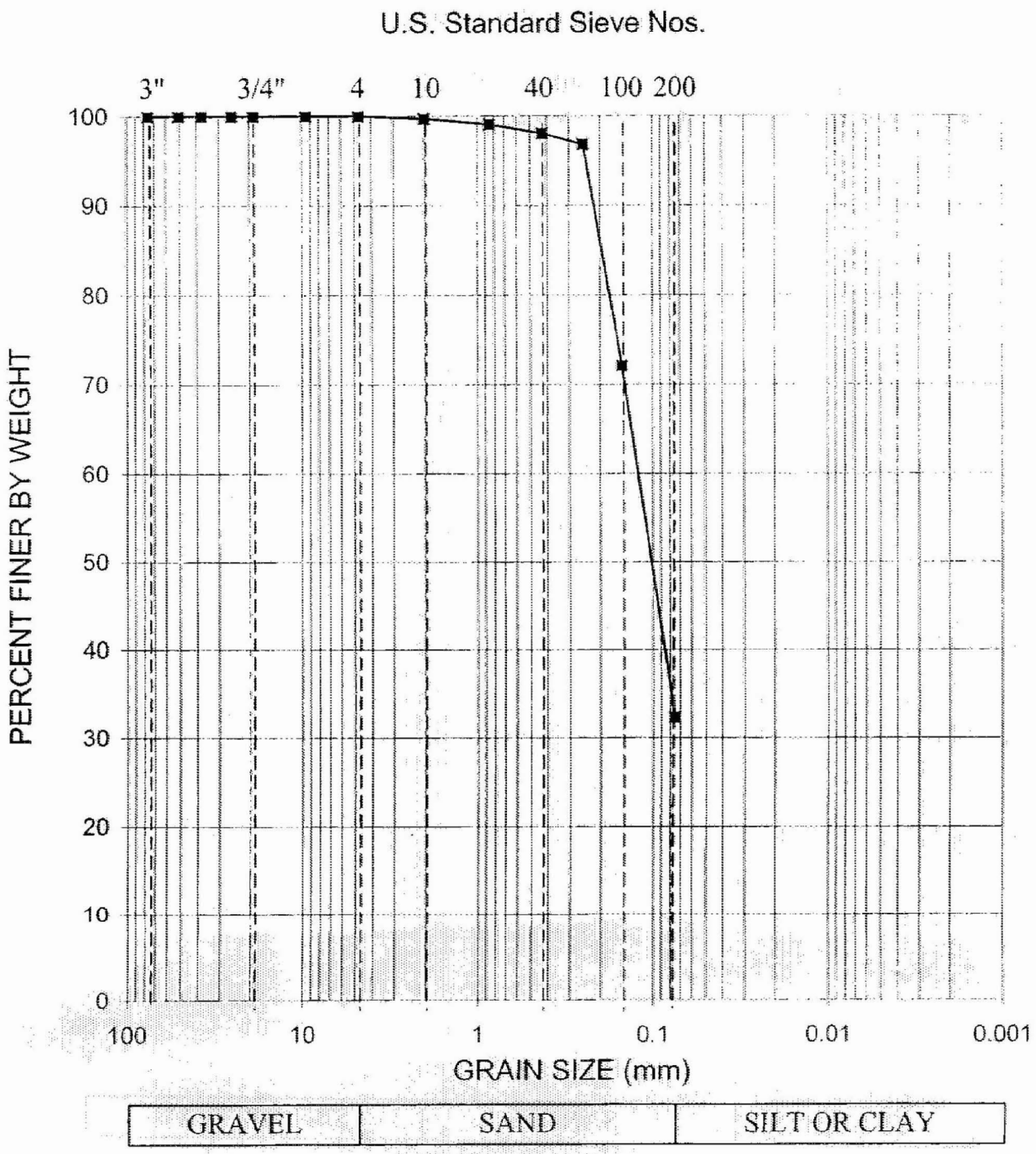
ASTM D422

| Project: | Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland | Contract No.: | 06120048.00 | Date: | 8/19/2006 |
|---|---|---|---|---|---|

| Boring No. | Depth (ft) | Sample Description | Class. | LL | PI |
|---|---|---|---|---|---|
| B-301 | 118.5 | Silty SAND, contains shells, dark green | SM | | |

Schnabel

Schnabel Engineering



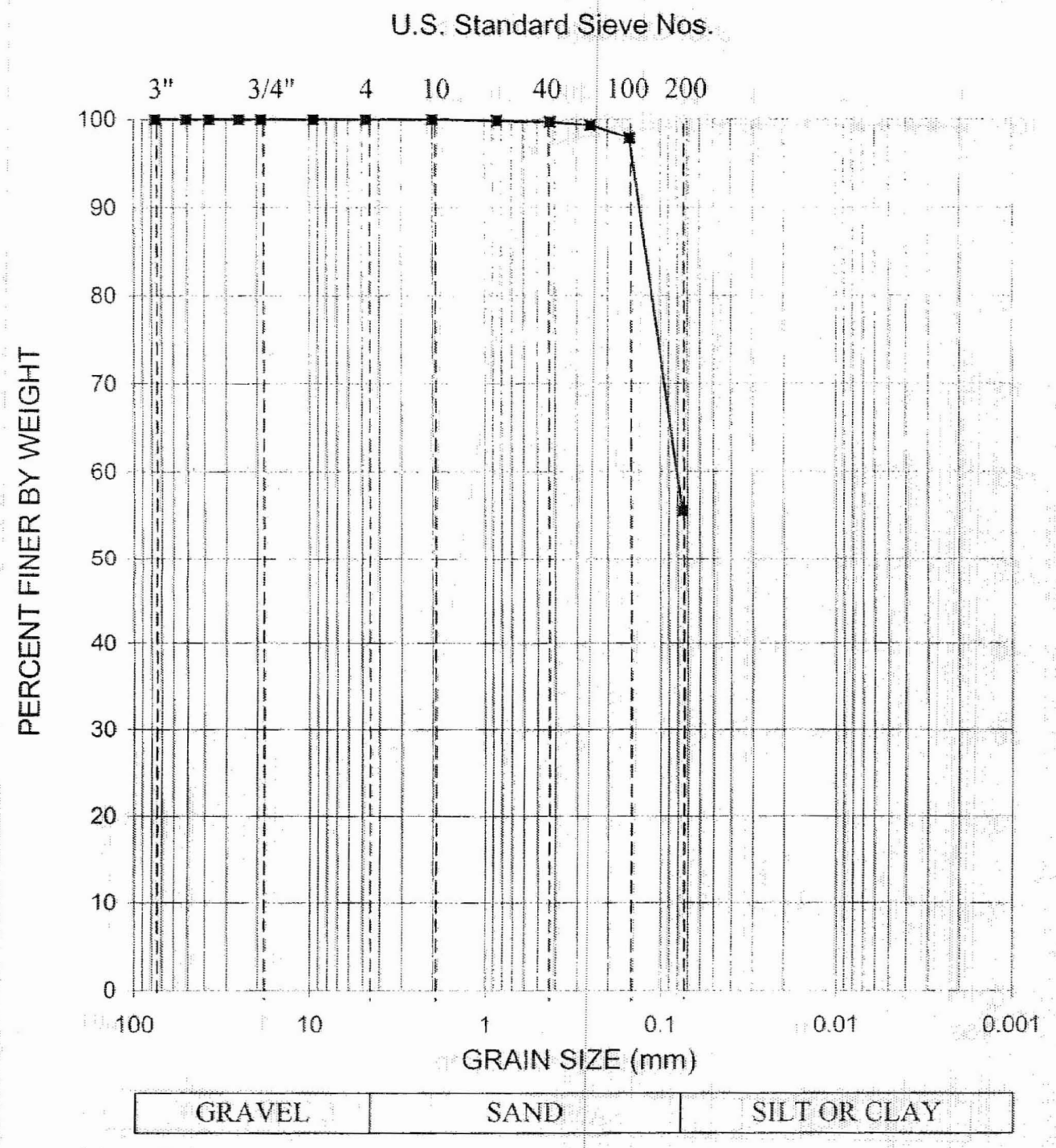

**GRADATION CURVE**

ASTM D422

| Project: | Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland | Contract No.: 06120048.00 | Date: 8/14/2006 |
|---|---|---|---|

| Boring No. | Depth (ft) | Sample Description | Class. | LL | PI |
|---|---|---|---|---|---|
| B-301 | 128.5 | CLAYEY SAND , dark green | SC | | |

Schnabel Engineering




**GRADATION CURVE**

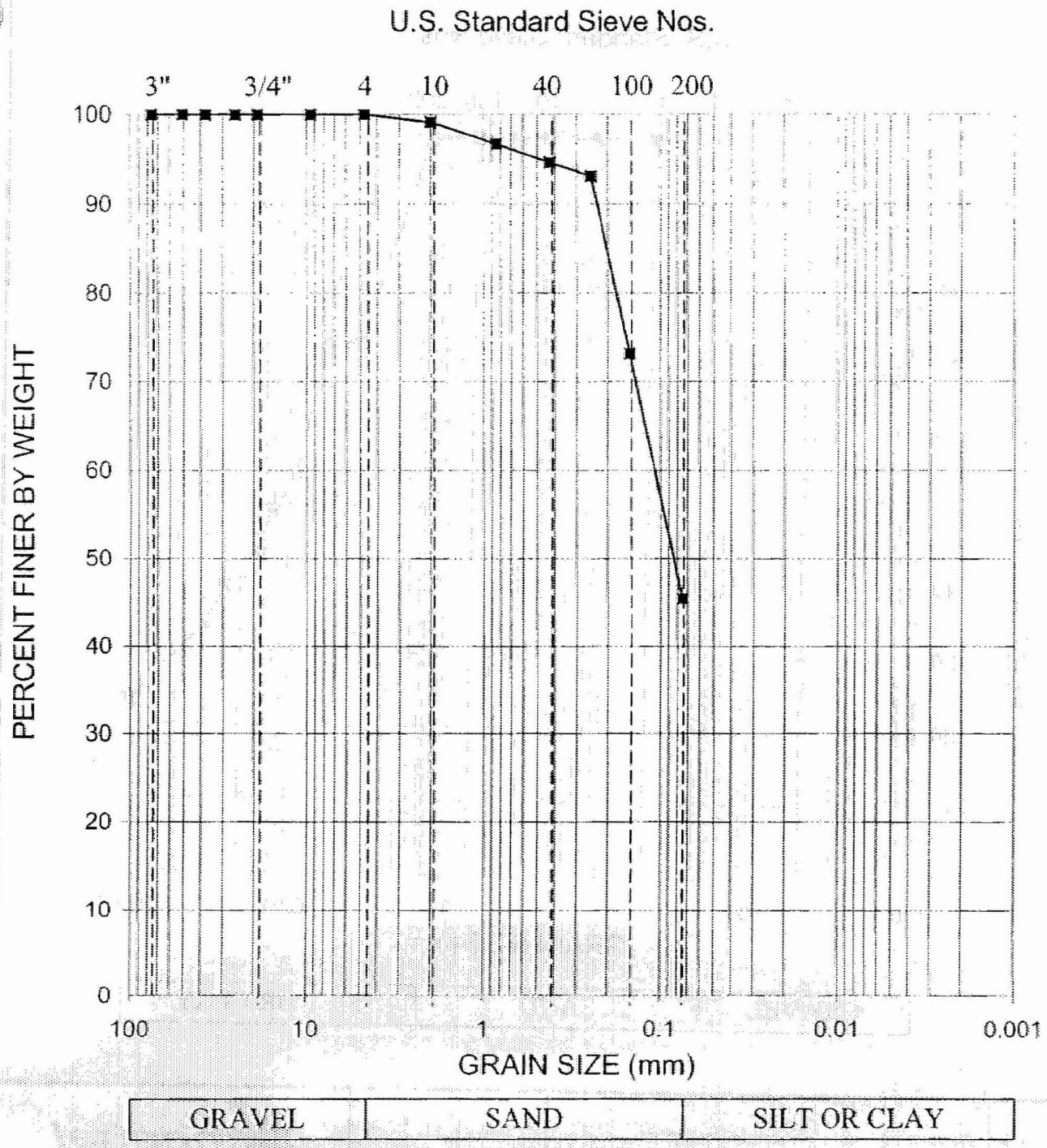
ASTM D422

| Project: | Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland | Contract No.: 06120048.00 | Date: 8/14/2006 |
|---|---|---|---|

| Boring No. | Depth (ft) | Sample Description | Class. | LL | PI |
|---|---|---|---|---|---|
| B-301 | 143.5 | Sandy LEAN CLAY, dark green | CL | | |

Schnabel

Schnabel Engineering




**GRADATION CURVE**

ASTM D422

| Project: | Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland | Contract No.: | 06120048.00 | Date: | 8/14/2006 |
|---|---|---|---|---|---|

| Boring No. | Depth (ft) | Sample Description | Class. | LL | PI |
|---|---|---|---|---|---|
| B-301 | 153.5 | SILTY SAND, contains shells, dark green | SM | | |

Schnabel

Schnabel Engineering