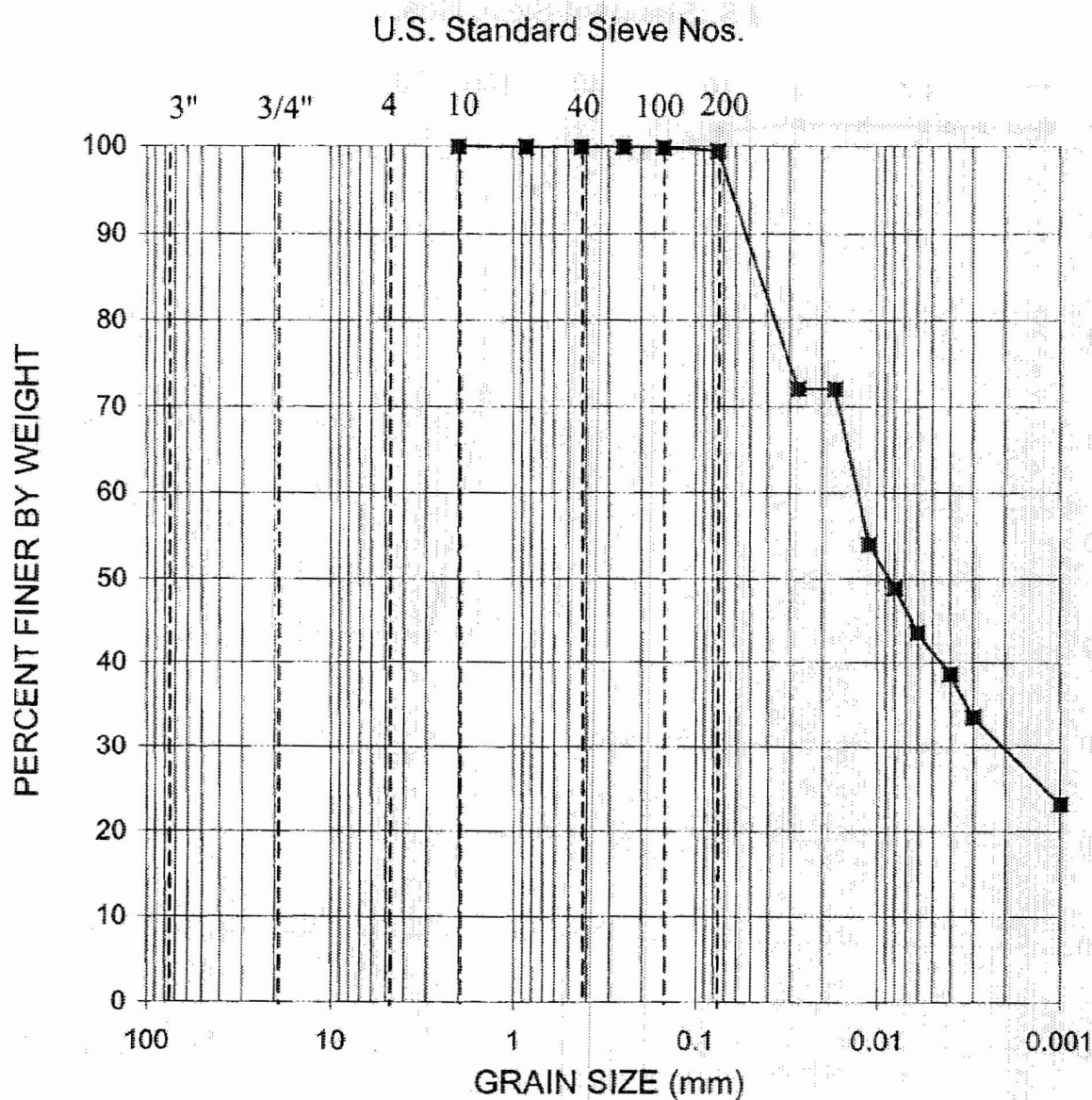
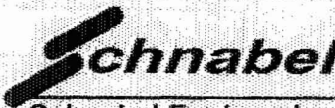
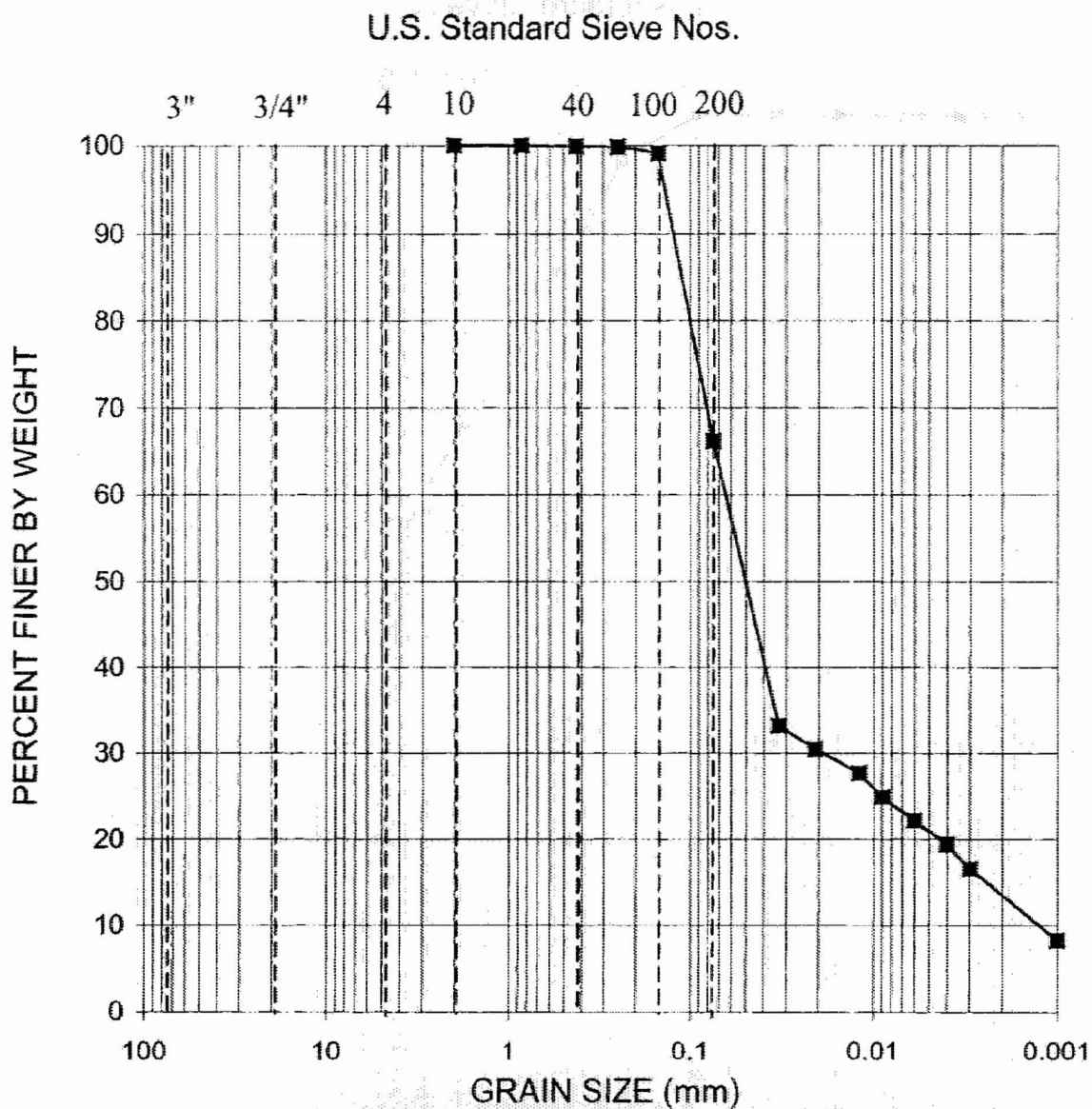




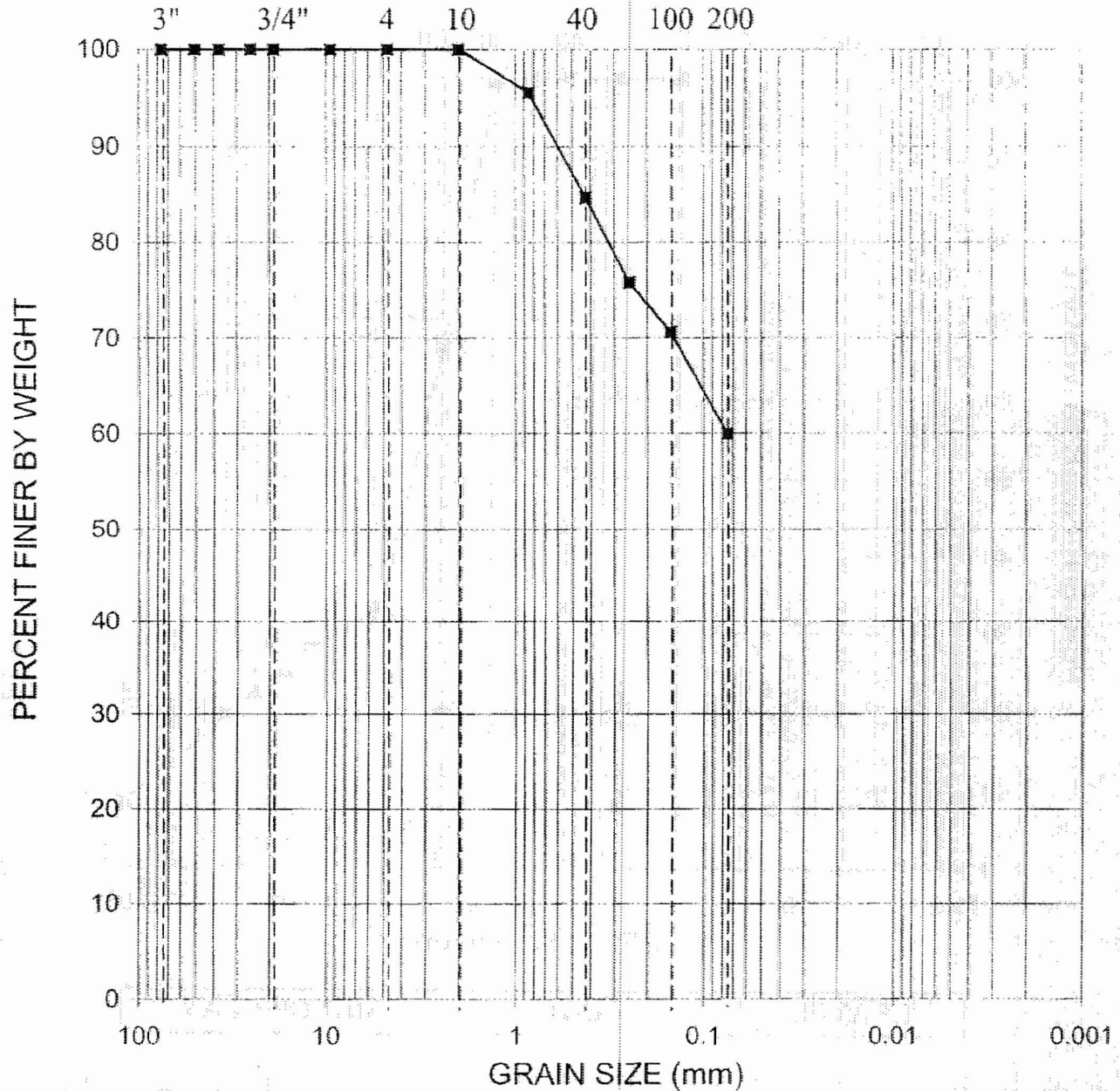
| Key | Sample | Depth(ft.)  | Sample Description             | Class. | LL | PI | <br><b>Schnabel Engineering</b><br><b>GRADATION CURVES</b> |
|-----|--------|-------------|--------------------------------|--------|----|----|-------------------------------------------------------------------------------------------------------------------------------------------------|
| ■   | B-301  | 158.5-159.6 | FAT CLAY, contains mica - gray | CH     | 76 | 46 |                                                                                                                                                 |
| ▲   |        |             |                                |        |    |    |                                                                                                                                                 |
| ●   |        |             |                                |        |    |    | Project: Calvert Cliffs Nuclear Power Plant<br><br>Contract No. 06120048<br>Date:                      Method: ASTM D422                        |



| Key | Sample | Depth(ft.)  | Sample Description    | Class | LL  | PI | <br><b>GRADATION CURVES</b> |
|-----|--------|-------------|-----------------------|-------|-----|----|------------------------------------------------------------------------------------------------------------------|
| ■   | B-301  | 168.5-170.4 | SANDY FAT CLAY - gray | CH    | 112 | 73 |                                                                                                                  |
| ▲   |        |             |                       |       |     |    | Project: Calvert Cliffs Nuclear Power Plant                                                                      |
| ●   |        |             |                       |       |     |    | Contract No. 06120048                                                                                            |
|     |        |             |                       |       |     |    | Date: 10/20/06 Method: ASTM D422                                                                                 |

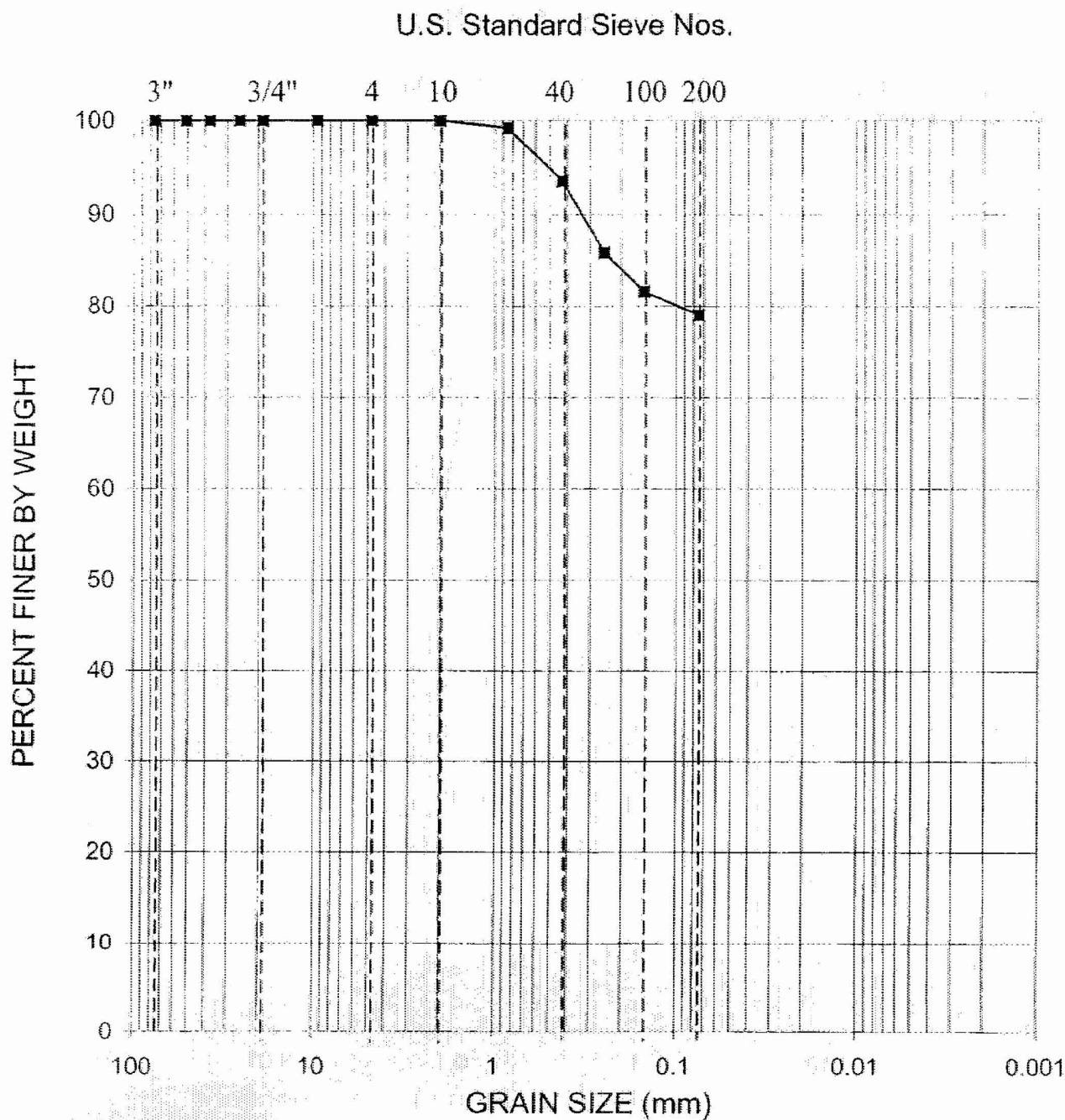


# U.S. Standard Sieve Nos.



## GRADATION CURVE ASTM D422

|            |                                                                                                                     |                                              |        |     |               |                                                                                       |       |           |
|------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------|-----|---------------|---------------------------------------------------------------------------------------|-------|-----------|
| Project:   | Constellation Energy Group COLA Project,<br>Calvert Cliffs Nuclear Power Plant (CCNPP),<br>Calvert County, Maryland |                                              |        |     | Contract No.: | 06120048.00                                                                           | Date: | 8/14/2006 |
| Boring No. | Depth (ft)                                                                                                          | Sample Description                           | Class. | LL  | PI            |  |       |           |
| B-301      | 178.5                                                                                                               | Sandy ELASTIC SILT, trace shells, dark green | MH     | 111 | 64            |                                                                                       |       |           |



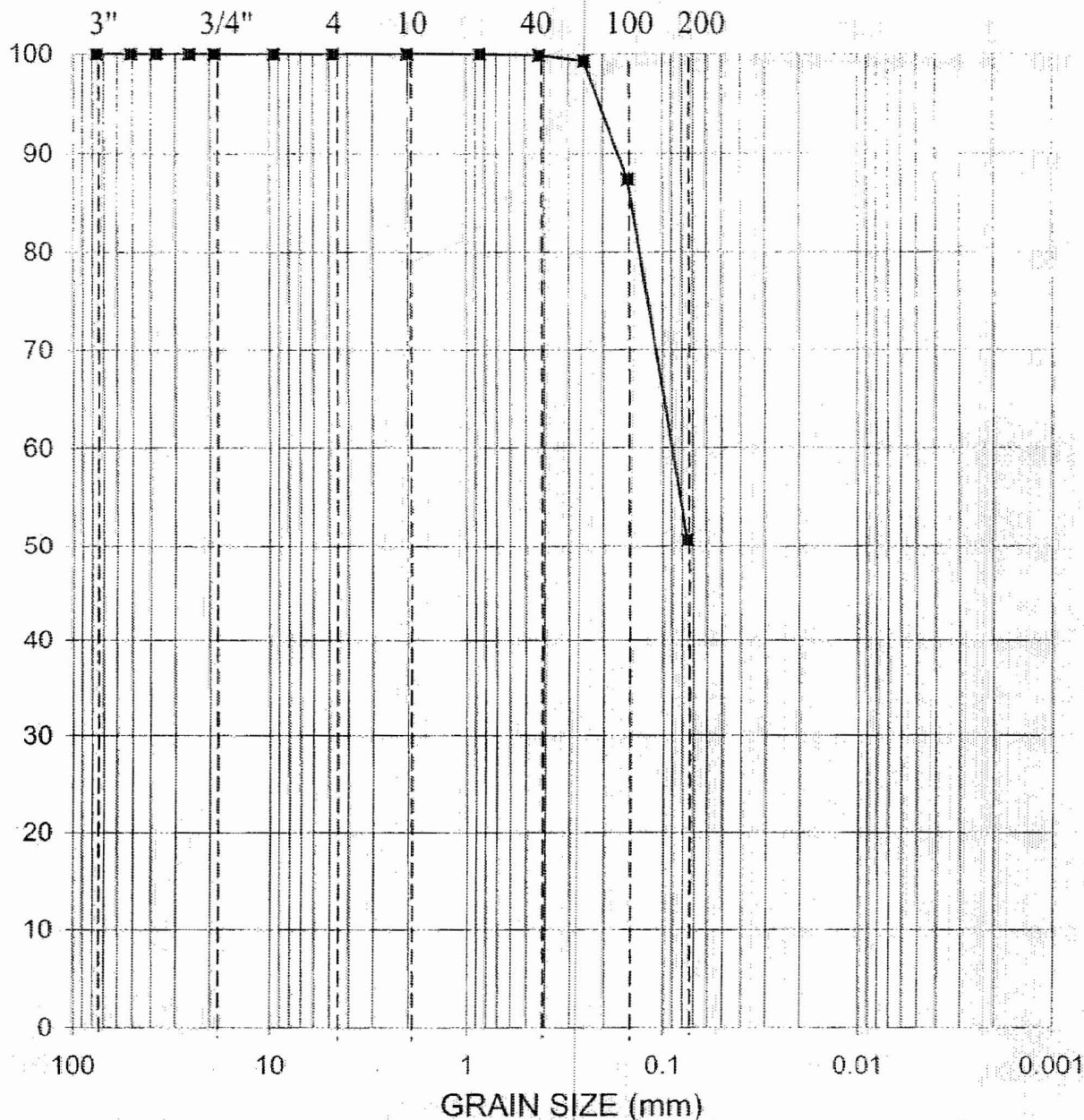
### GRADATION CURVE

ASTM D422

|            |                                                                                                                     |                                     |        |     |              |                                                                                       |       |           |
|------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------|-----|--------------|---------------------------------------------------------------------------------------|-------|-----------|
| Project:   | Constellation Energy Group COLA Project,<br>Calvert Cliffs Nuclear Power Plant (CCNPP),<br>Calvert County, Maryland |                                     |        |     | Contract No. | 06120048.00                                                                           | Date: | 8/14/2006 |
| Boring No. | Depth (ft)                                                                                                          | Sample Description                  | Class. | LL  | PI           |  |       |           |
| B-301      | 198.5                                                                                                               | ELASTIC SILT, with sand, dark green | MH     | 157 | 86           |                                                                                       |       |           |

PERCENT FINER BY WEIGHT

U.S. Standard Sieve Nos.



|        |      |              |
|--------|------|--------------|
| GRAVEL | SAND | SILT OR CLAY |
|--------|------|--------------|

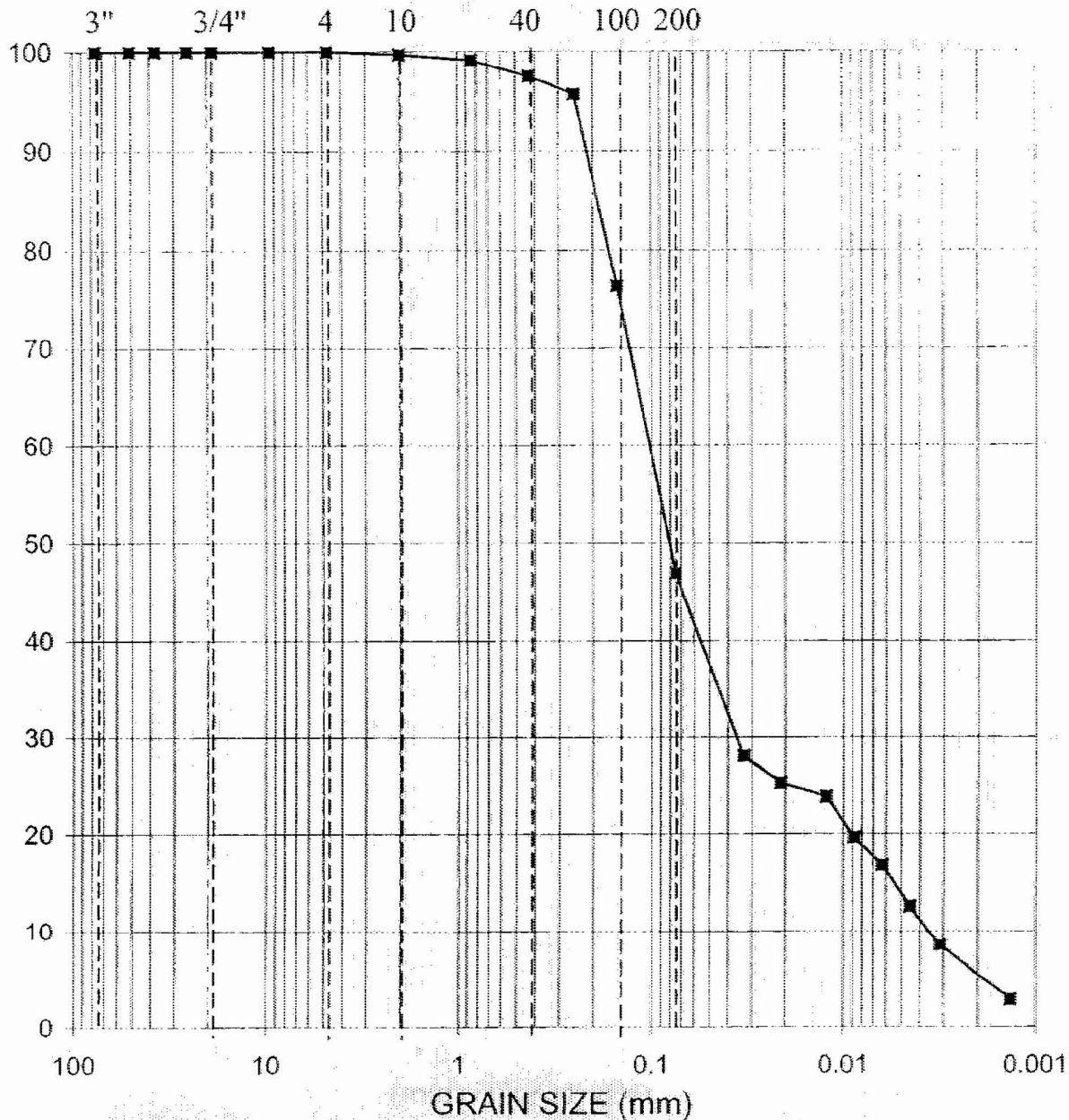
GRADATION CURVE  
ASTM D422

|            |                                                                                                                     |                             |        |               |             |                                                                                       |           |
|------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------|--------|---------------|-------------|---------------------------------------------------------------------------------------|-----------|
| Project:   | Constellation Energy Group COLA Project,<br>Calvert Cliffs Nuclear Power Plant (CCNPP),<br>Calvert County, Maryland |                             |        | Contract No.: | 06120048.00 | Date:                                                                                 | 8/16/2006 |
| Boring No. | Depth (ft)                                                                                                          | Sample Description          | Class. | LL            | PI          |  |           |
| B-301      | 218.5                                                                                                               | Sandy LEAN CLAY, dark green | CL     |               |             |                                                                                       |           |



# U.S. Standard Sieve Nos.

PERCENT FINER BY WEIGHT



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| GRAVEL | SAND | SILT OR CLAY |
|--------|------|--------------|

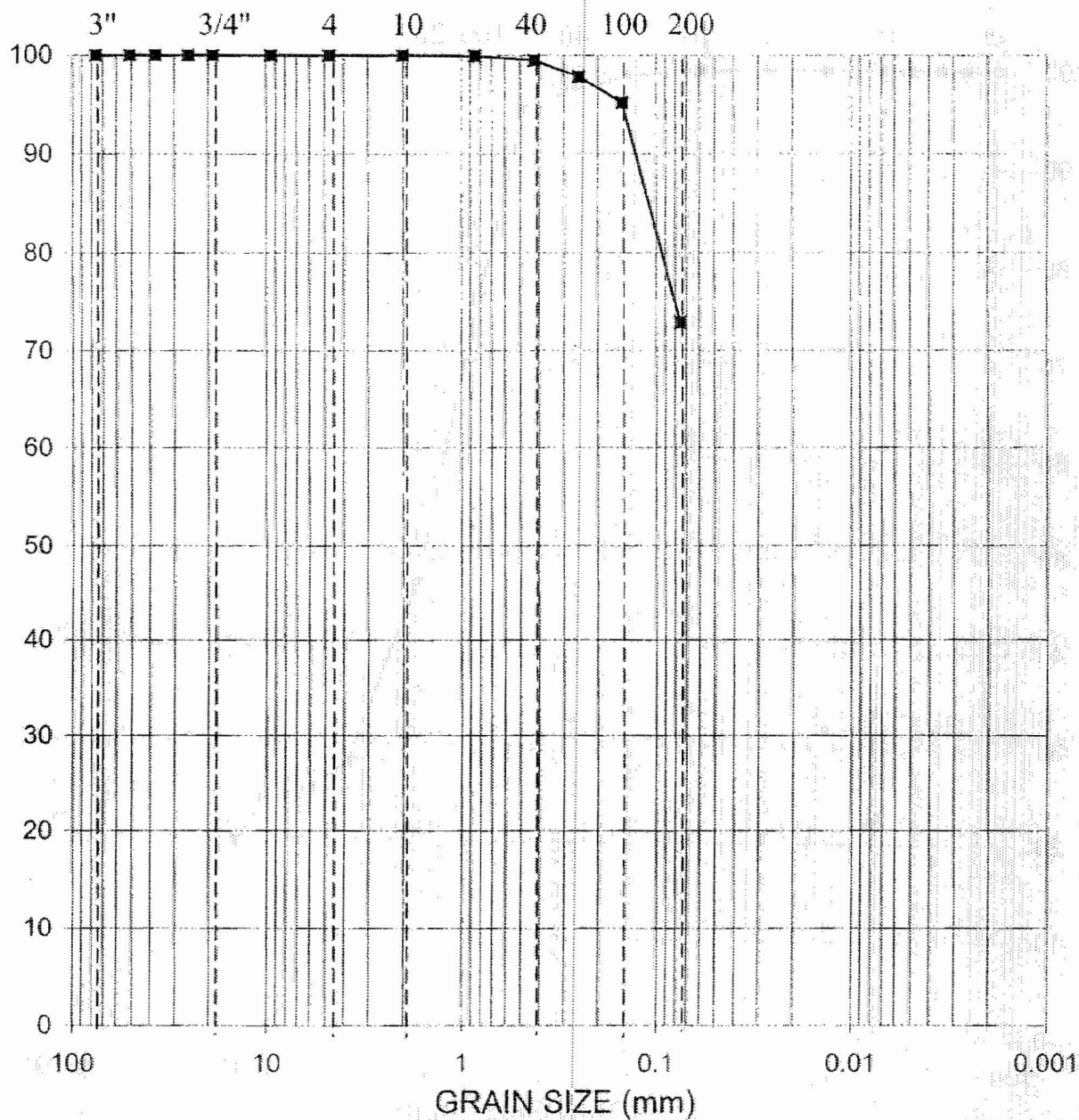
## GRADATION CURVE

ASTM D422

|            |                                                                                                                     |                         |        |               |             |                                                                                       |           |
|------------|---------------------------------------------------------------------------------------------------------------------|-------------------------|--------|---------------|-------------|---------------------------------------------------------------------------------------|-----------|
| Project:   | Constellation Energy Group COLA Project,<br>Calvert Cliffs Nuclear Power Plant (CCNPP),<br>Calvert County, Maryland |                         |        | Contract No.: | 06120048.00 | Date:                                                                                 | 8/19/2006 |
| Boring No. | Depth (ft)                                                                                                          | Sample Description      | Class. | LL            | PI          |  |           |
| B-301      | 228.5                                                                                                               | Clayey SAND, dark green | SC     |               |             |                                                                                       |           |

PERCENT FINER BY WEIGHT

U.S. Standard Sieve Nos.



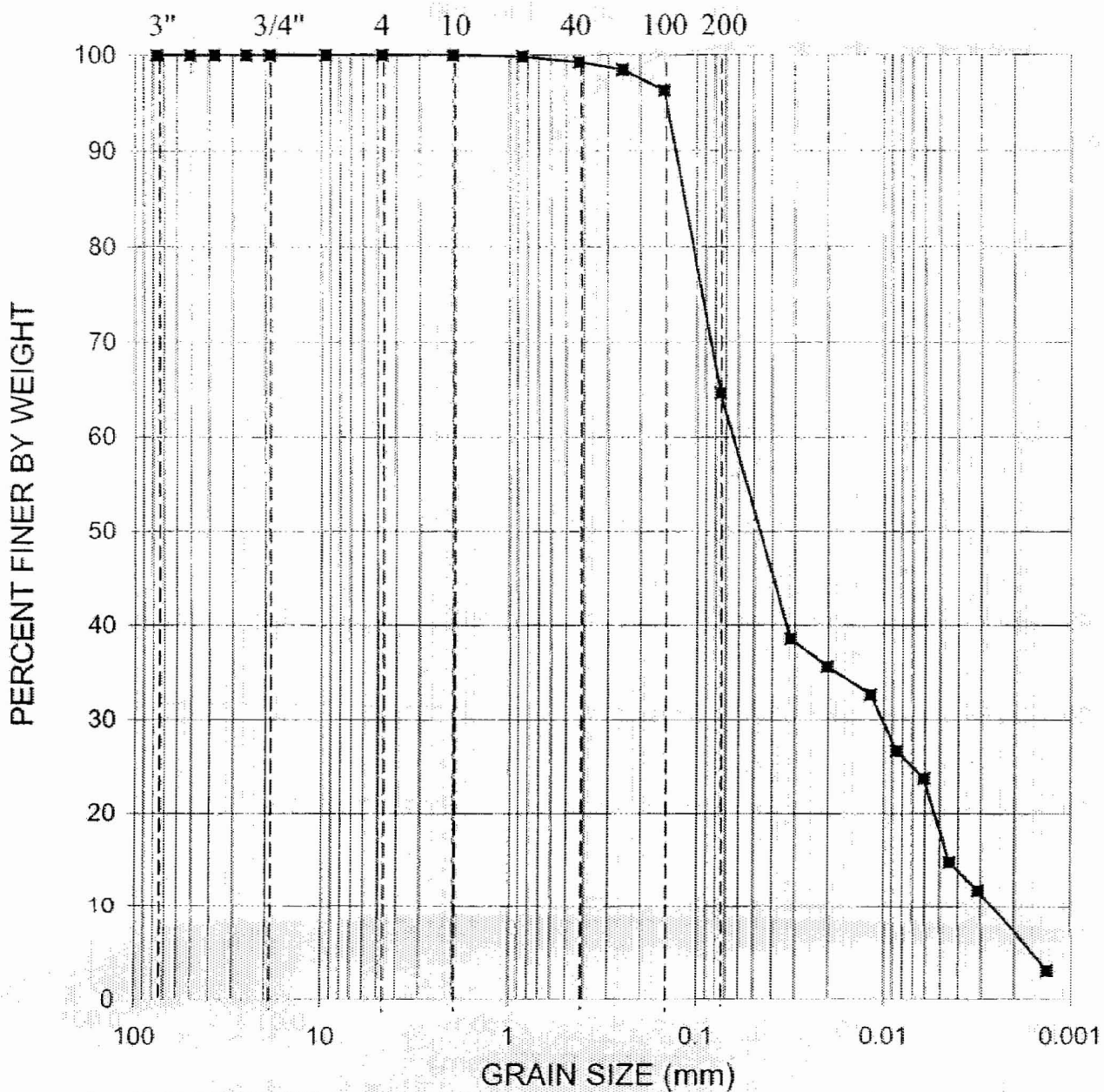
|        |      |              |
|--------|------|--------------|
| GRAVEL | SAND | SILT OR CLAY |
|--------|------|--------------|

GRADATION CURVE

ASTM D422

|            |                                                                                                                     |                                  |        |               |             |                                                                                       |           |
|------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------|--------|---------------|-------------|---------------------------------------------------------------------------------------|-----------|
| Project:   | Constellation Energy Group COLA Project,<br>Calvert Cliffs Nuclear Power Plant (CCNPP),<br>Calvert County, Maryland |                                  |        | Contract No.: | 06120048.00 | Date:                                                                                 | 8/14/2006 |
| Boring No. | Depth (ft)                                                                                                          | Sample Description               | Class. | LL            | PI          |  |           |
| B-301      | 238.5                                                                                                               | LEAN CLAY, with sand, dark green | CL     |               |             |                                                                                       |           |

# U.S. Standard Sieve Nos.



|        |      |              |
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| GRAVEL | SAND | SILT OR CLAY |
|--------|------|--------------|

## GRADATION CURVE

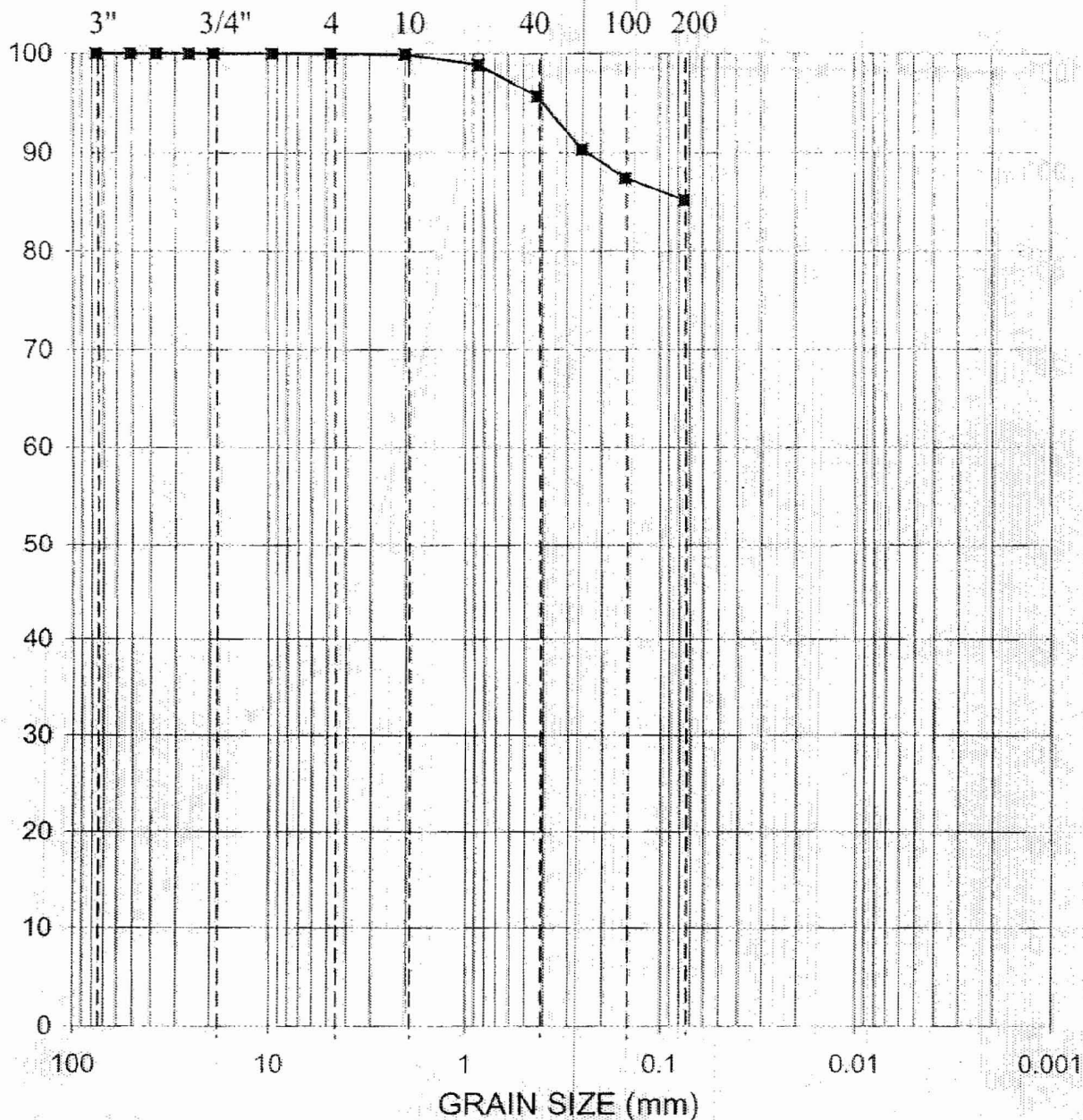
ASTM D422

|            |            |                                                                                                                     |        |     |               |                                                                                       |       |           |
|------------|------------|---------------------------------------------------------------------------------------------------------------------|--------|-----|---------------|---------------------------------------------------------------------------------------|-------|-----------|
| Project:   |            | Constellation Energy Group COLA Project,<br>Calvert Cliffs Nuclear Power Plant (CCNPP),<br>Calvert County, Maryland |        |     | Contract No.: | 06120048.00                                                                           | Date: | 8/19/2006 |
| Boring No. | Depth (ft) | Sample Description                                                                                                  | Class. | LL  | P1            |  |       |           |
| B-301      | 253.5      | Sandy ELASTIC SILT, dark green                                                                                      | MH     | 137 | 50            |                                                                                       |       |           |



PERCENT FINER BY WEIGHT

U.S. Standard Sieve Nos.

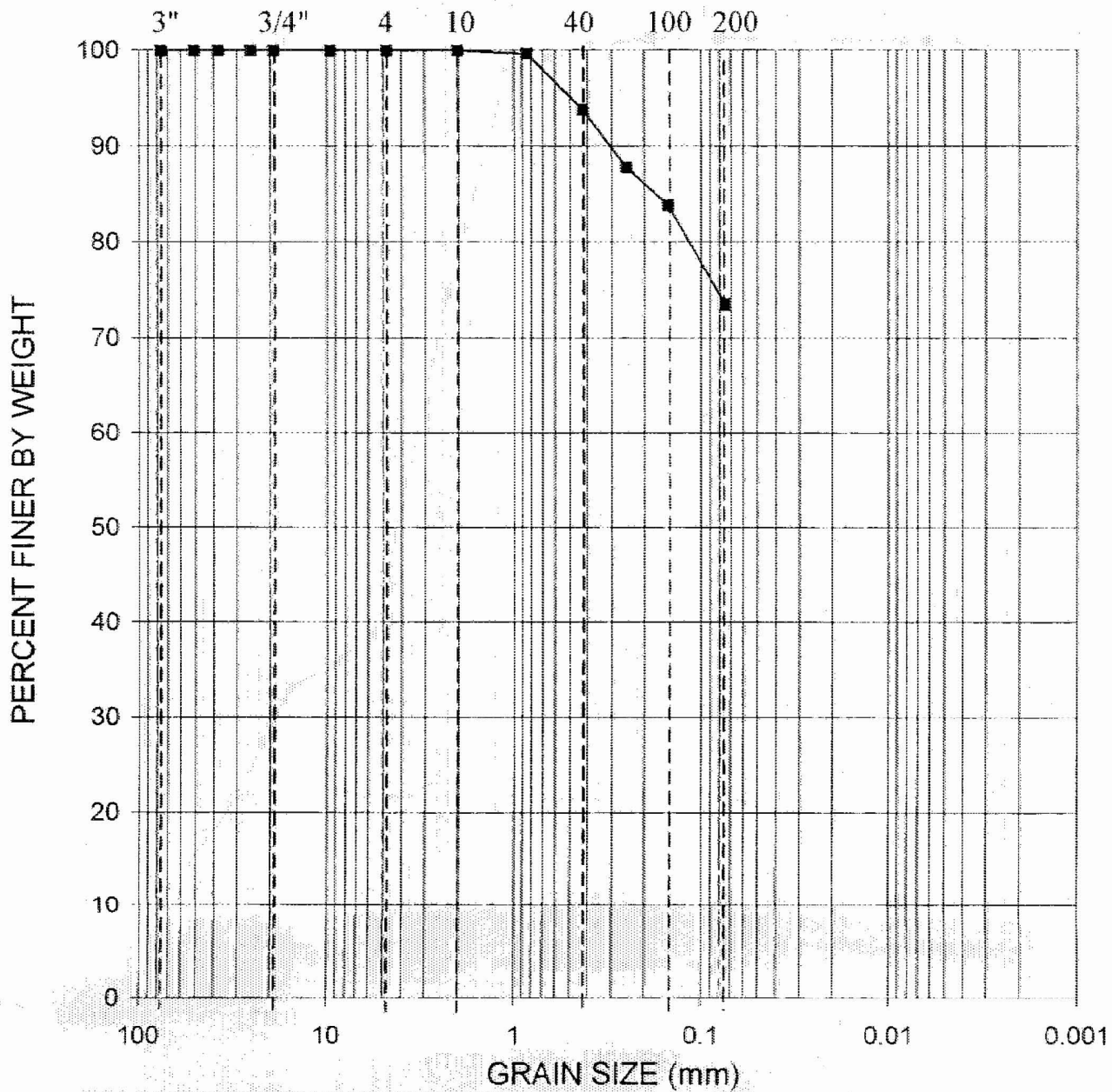


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| GRAVEL | SAND | SILT OR CLAY |
|--------|------|--------------|

GRADATION CURVE  
ASTM D422

|            |                                                                                                                     |                                  |        |    |               |                                                                                       |       |           |
|------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------|--------|----|---------------|---------------------------------------------------------------------------------------|-------|-----------|
| Project:   | Constellation Energy Group COLA Project,<br>Calvert Cliffs Nuclear Power Plant (CCNPP),<br>Calvert County, Maryland |                                  |        |    | Contract No.: | 06120048.00                                                                           | Date: | 8/16/2006 |
| Boring No. | Depth (ft)                                                                                                          | Sample Description               | Class. | LL | PI            |  |       |           |
| B-301      | 263.5                                                                                                               | LEAN CLAY, with sand, dark green | CL     |    |               |                                                                                       |       |           |

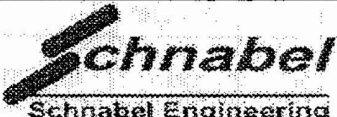
# U.S. Standard Sieve Nos.

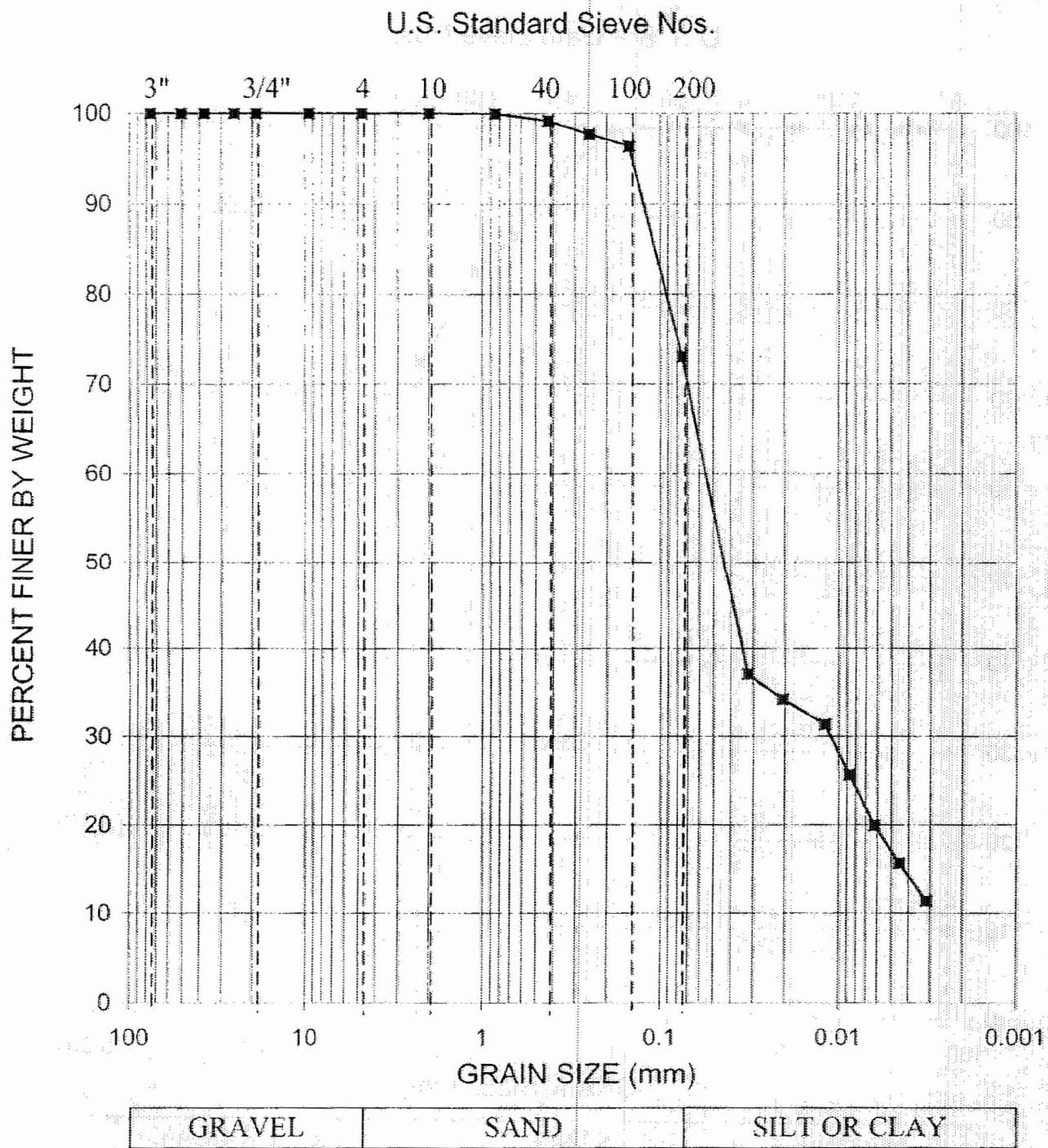


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| GRAVEL | SAND | SILT OR CLAY |
|--------|------|--------------|

## GRADATION CURVE

ASTM D422

|            |                                                                                                                     |                                  |        |               |             |                                                                                       |           |
|------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------|--------|---------------|-------------|---------------------------------------------------------------------------------------|-----------|
| Project:   | Constellation Energy Group COLA Project,<br>Calvert Cliffs Nuclear Power Plant (CCNPP),<br>Calvert County, Maryland |                                  |        | Contract No.: | 06120048 00 | Date:                                                                                 | 8/14/2006 |
| Boring No. | Depth (ft)                                                                                                          | Sample Description               | Class. | LL            | PI          |  |           |
| B-301      | 283.5                                                                                                               | LEAN CLAY, with sand, dark green | CL     |               |             |                                                                                       |           |



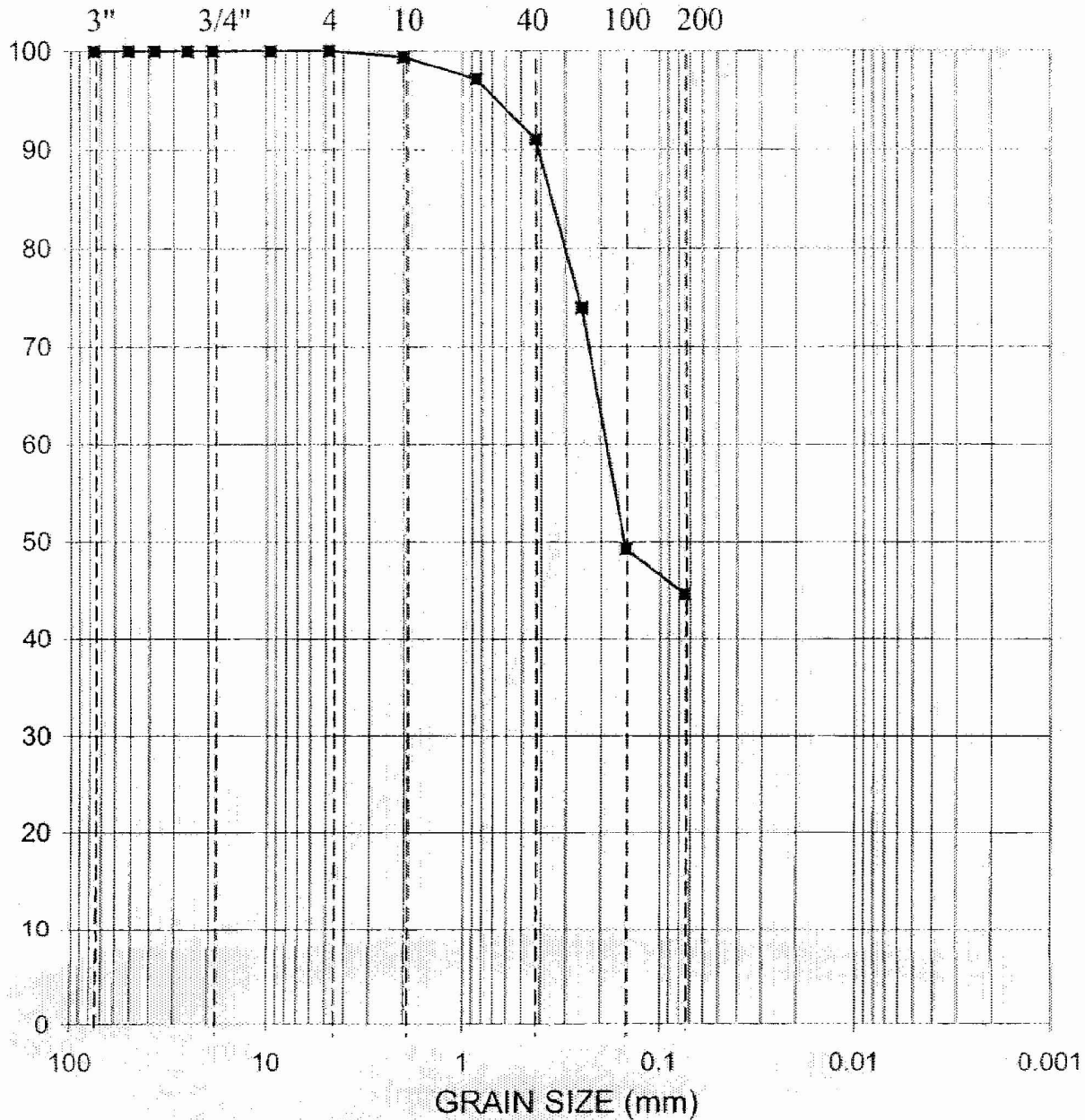
**GRADATION CURVE**  
ASTM D422

|            |                                                                                                                     |                                     |        |               |             |                                                                                       |           |
|------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------|---------------|-------------|---------------------------------------------------------------------------------------|-----------|
| Project:   | Constellation Energy Group COLA Project,<br>Calvert Cliffs Nuclear Power Plant (CCNPP),<br>Calvert County, Maryland |                                     |        | Contract No.: | 06120048.00 | Date:                                                                                 | 8/21/2006 |
| Boring No. | Depth (ft)                                                                                                          | Sample Description                  | Class. | I.L.          | PI          |  |           |
| B-301      | 293.5                                                                                                               | ELASTIC SILT, with sand, dark green | MH     | 117           | 44          |                                                                                       |           |



# U.S. Standard Sieve Nos.

PERCENT FINER BY WEIGHT

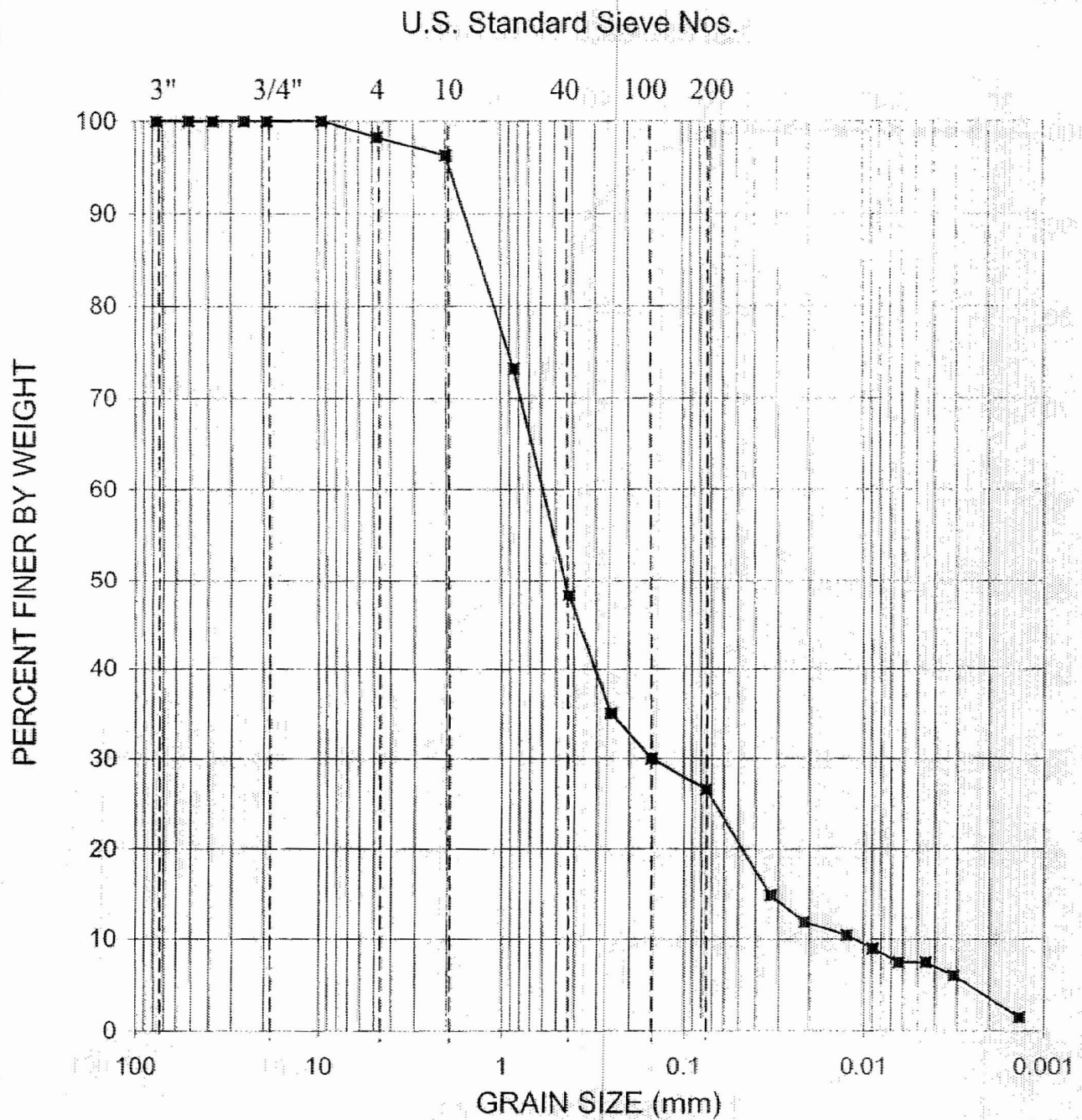


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| GRAVEL | SAND | SILT OR CLAY |
|--------|------|--------------|

## GRADATION CURVE

ASTM D422

|            |                                                                                                                     |                         |        |               |             |                                                                                       |           |
|------------|---------------------------------------------------------------------------------------------------------------------|-------------------------|--------|---------------|-------------|---------------------------------------------------------------------------------------|-----------|
| Project:   | Constellation Energy Group COLA Project,<br>Calvert Cliffs Nuclear Power Plant (CCNPP),<br>Calvert County, Maryland |                         |        | Contract No.: | 06120048.00 | Date:                                                                                 | 8/14/2006 |
| Boring No. | Depth (ft)                                                                                                          | Sample Description      | Class. | LL            | PI          |  |           |
| B-301      | 303.5                                                                                                               | Clayey SAND, dark green | SC     |               |             |                                                                                       |           |



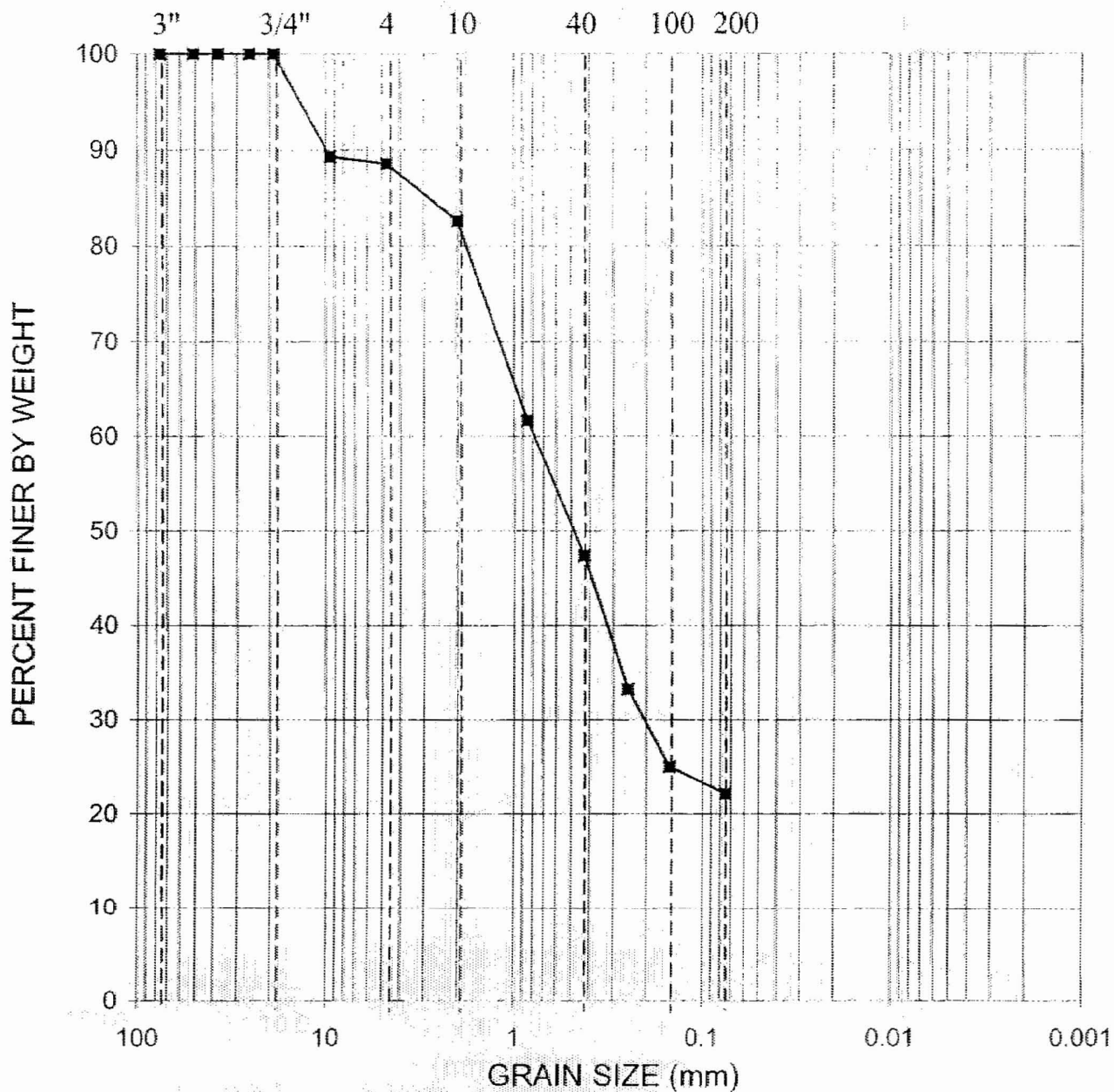
|        |      |              |
|--------|------|--------------|
| GRAVEL | SAND | SILT OR CLAY |
|--------|------|--------------|

### GRADATION CURVE

ASTM D422

|            |                                                                                                                     |                                      |        |    |               |                                                                                       |       |           |
|------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------|----|---------------|---------------------------------------------------------------------------------------|-------|-----------|
| Project:   | Constellation Energy Group COLA Project,<br>Calvert Cliffs Nuclear Power Plant (CCNPP),<br>Calvert County, Maryland |                                      |        |    | Contract No.: | 06120048.00                                                                           | Date: | 8/21/2006 |
| Boring No. | Depth (ft)                                                                                                          | Sample Description                   | Class. | LL | PI            |  |       |           |
| B-301      | 313.5                                                                                                               | Clayey SAND, trace shells, dark gray | SC     |    |               |                                                                                       |       |           |

# U.S. Standard Sieve Nos.



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| GRAVEL | SAND | SILT OR CLAY |
|--------|------|--------------|

## GRADATION CURVE ASTM D422

|            |                                                                                                                     |                                             |        |               |             |                                                                                       |           |
|------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------|---------------|-------------|---------------------------------------------------------------------------------------|-----------|
| Project:   | Constellation Energy Group COLA Project,<br>Calvert Cliffs Nuclear Power Plant (CCNPP),<br>Calvert County, Maryland |                                             |        | Contract No.: | 06120048.00 | Date:                                                                                 | 8/14/2006 |
| Boring No. | Depth (ft)                                                                                                          | Sample Description                          | Class. | LL            | PI          |  |           |
| B-301      | 323.5                                                                                                               | Clayey SAND, trace cemented sand, dark gray | SC     |               |             |                                                                                       |           |