

GRADATION ANALYSIS REPORT
HOLLYWOOD/HALLANDALE 8-18-92

TESTED BY: SHJ DN: 10-6-92

SAMPLE NO.: R113
SAMPLE ELEV. (FT. NGVD): +8
SAMPLE DEPTH (FT.): +8
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 310.60
SAMPLE WEIGHT AFTER WASH (GRAMS): 306.60

| SIEVE SIZE | PHI SIZE | MESH SIZE (mm) | RETAINED (GRAMS) | RETAINED (%) | PASSED (%) |
|---------------|-------------|-------------------|---------------------|-----------------|---------------|
| 5/8 | -4.0 | 16.000 | .00 | .00 | 100.00 |
| 3/16 | -3.0 | 8.000 | .00 | .00 | 100.00 |
| 5 | -2.0 | 4.000 | 6.40 | 2.06 | 97.94 |
| 7 | -1.5 | 2.800 | 9.10 | 2.93 | 97.07 |
| 10 | -1.0 | 2.000 | 13.70 | 4.41 | 95.59 |
| 14 | -0.5 | 1.400 | 23.40 | 7.53 | 92.47 |
| 18 | 0.0 | 1.000 | 38.80 | 12.48 | 87.52 |
| 25 | 0.5 | .710 | 73.10 | 23.52 | 76.48 |
| 35 | 1.0 | .500 | 138.70 | 44.63 | 55.37 |
| 45 | 1.5 | .355 | 195.10 | 62.77 | 37.23 |
| 60 | 2.0 | .250 | 253.70 | 81.63 | 18.37 |
| 80 | 2.5 | .180 | 282.50 | 90.89 | 9.11 |
| 120 | 3.0 | .125 | 297.60 | 95.75 | 4.25 |
| 170 | 3.5 | .090 | 303.40 | 97.62 | 2.38 |
| 200 | 3.75 | .075 | 304.60 | 98.01 | 1.99 |
| 230 | 4.0 | .063 | 307.50 | 98.94 | 1.06 |
| PAN | | | 310.60 | 99.94 | .06 |

SIEVE LOSS(q): .20
MEDIAN (mm): .451 MEAN (mm): .470
SILT/CLAY: 1.99% SORTING: .984
SKEWNESS: -.279 KURTOSIS: 1.217

PHI(5): -.91 PHI(16): .16 PHI(25): .54
PHI(50): 1.15 PHI(75): 1.82 PHI(84): 2.13
PHI(95): 2.92
COEFFICIENT OF CURVATURE : .972
COEFFICIENT OF UNIFORMITY: 2.951

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:R113P9.TAB

GRADATION ANALYSIS REPORT
HOLLYWOOD HALLANDALE 8-18-92

TESTED BY: SHJ ON: 9-25-92

SAMPLE NO.: R113
SAMPLE ELEV. (FT. NGVD): +4
SAMPLE DEPTH (FT.): +4
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 285.20
SAMPLE WEIGHT AFTER WASH (GRAMS): 264.40

| SIEVE SIZE | PHI SIZE | MESH SIZE (mm) | RETAINED (GRAMS) | RETAINED (%) | PASSED (%) |
|---------------|-------------|-------------------|---------------------|-----------------|---------------|
| 5/8 | -4.0 | 16.000 | .00 | .00 | 100.00 |
| 5/16 | -3.0 | 8.000 | .80 | .28 | 99.72 |
| 5 | -2.0 | 4.000 | .80 | .28 | 99.72 |
| 7 | -1.5 | 2.800 | 1.10 | .39 | 99.61 |
| 10 | -1.0 | 2.000 | 1.70 | .60 | 99.40 |
| 14 | -0.5 | 1.400 | 3.90 | 1.37 | 98.63 |
| 18 | 0.0 | 1.000 | 12.00 | 4.21 | 95.79 |
| 25 | 0.5 | .710 | 43.10 | 15.11 | 84.89 |
| 35 | 1.0 | .500 | 110.80 | 38.85 | 61.15 |
| 45 | 1.5 | .355 | 176.90 | 62.03 | 37.97 |
| 60 | 2.0 | .250 | 254.80 | 89.34 | 10.66 |
| 80 | 2.5 | .180 | 279.60 | 98.04 | 1.96 |
| 120 | 3.0 | .125 | 283.70 | 99.47 | .53 |
| 170 | 3.5 | .090 | 284.20 | 99.65 | .35 |
| 200 | 3.75 | .075 | 284.30 | 99.68 | .32 |
| 230 | 4.0 | .063 | 284.70 | 99.82 | .18 |
| PAN | | | 285.10 | 99.96 | .04 |

SIEVE LOSS(q): .10
MEDIAN (mm): .423 MEAN (mm): .434
SILT/CLAY: .32% SORTING: .692
SKEWNESS: -.119 KURTOSIS: .912

PHI(5): .04 PHI(16): .52 PHI(25): .71
PHI(50): 1.24 PHI(75): 1.74 PHI(84): 1.90
PHI(95): 2.33
COEFFICIENT OF CURVATURE : .853
COEFFICIENT OF UNIFORMITY: 2.018

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:R113P4.TAB

GRADATION ANALYSIS REPORT
HOLLYWOOD/HALLANDALE 8-18-92

TESTED BY: SHJ ON: 10-2-92

SAMPLE NO.: R113
SAMPLE ELEV. (FT. NGVD): 0
SAMPLE DEPTH (FT.): 0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 248.50
SAMPLE WEIGHT AFTER WASH (GRAMS): 245.60

| SIEVE SIZE | PHI SIZE | MESH SIZE (mm) | RETAINED (GRAMS) | RETAINED (%) | PASSED (%) |
|---------------|-------------|-------------------|---------------------|-----------------|---------------|
| 5/8 | -4.0 | 16.000 | .00 | .00 | 100.00 |
| 5/16 | -3.0 | 8.000 | 11.10 | 4.47 | 95.53 |
| 5 | -2.0 | 4.000 | 8.80 | 3.54 | 96.46 |
| 7 | -1.5 | 2.800 | 15.20 | 6.12 | 93.88 |
| 10 | -1.0 | 2.000 | 29.50 | 11.87 | 88.13 |
| 14 | -0.5 | 1.400 | 78.10 | 31.43 | 68.57 |
| 18 | 0.0 | 1.000 | 144.80 | 58.27 | 41.73 |
| 25 | 0.5 | .710 | 221.40 | 89.09 | 10.91 |
| 35 | 1.0 | .500 | 242.90 | 97.75 | 2.25 |
| 45 | 1.5 | .355 | 244.90 | 98.55 | 1.45 |
| 60 | 2.0 | .250 | 245.30 | 98.71 | 1.29 |
| 80 | 2.5 | .180 | 245.30 | 98.71 | 1.29 |
| 120 | 3.0 | .125 | 245.40 | 98.75 | 1.25 |
| 170 | 3.5 | .090 | 245.40 | 98.75 | 1.25 |
| 200 | 3.75 | .075 | 245.40 | 98.75 | 1.25 |
| 230 | 4.0 | .063 | 246.85 | 99.34 | .66 |
| PAN | | | 248.40 | 99.96 | .04 |

| | | |
|----------------|-------|------------------|
| SIEVE LOSS(q): | .10 | |
| MEDIAN (mm): | 1.113 | MEAN (mm): 1.232 |
| SILT/CLAY: | 1.25% | SORTING: .656 |
| SKEWNESS: | -.567 | KURTOSIS: 1.120 |

| | | |
|----------------------------|---------------|---------------|
| PHI(5): -1.72 | PHI(16): -.89 | PHI(25): -.66 |
| PHI(50): -.15 | PHI(75): .27 | PHI(84): .42 |
| PHI(95): .84 | | |
| COEFFICIENT OF CURVATURE : | .890 | |
| COEFFICIENT OF UNIFORMITY: | 1.857 | |

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:R1130.TAB

GRADATION ANALYSIS REPORT
HOLLYWOOD/HALLANDALE 8-18-92

TESTED BY: SHJ ON: 10-6-92

SAMPLE NO.: R113
SAMPLE ELEV. (FT. NGVD): -4
SAMPLE DEPTH (FT.): -4
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 222.60
SAMPLE WEIGHT AFTER WASH (GRAMS): 219.80

| SIEVE SIZE | PHI SIZE | MESH SIZE (mm) | RETAINED (GRAMS) | RETAINED (%) | PASSED (%) |
|---------------|-------------|-------------------|---------------------|-----------------|---------------|
| 5/8 | -4.0 | 16.000 | .00 | .00 | 100.00 |
| 5/16 | -3.0 | 8.000 | .00 | .00 | 100.00 |
| 5 | -2.0 | 4.000 | .00 | .00 | 100.00 |
| 7 | -1.5 | 2.800 | 4.30 | 1.93 | 98.07 |
| 10 | -1.0 | 2.000 | 10.70 | 4.81 | 95.19 |
| 14 | -0.5 | 1.400 | 20.50 | 9.21 | 90.79 |
| 18 | 0.0 | 1.000 | 30.90 | 13.88 | 86.12 |
| 25 | 0.5 | .710 | 49.80 | 22.37 | 77.63 |
| 35 | 1.0 | .500 | 86.10 | 38.68 | 61.32 |
| 45 | 1.5 | .355 | 124.20 | 55.80 | 44.20 |
| 60 | 2.0 | .250 | 172.40 | 77.45 | 22.55 |
| 80 | 2.5 | .180 | 203.00 | 91.19 | 8.81 |
| 120 | 3.0 | .125 | 216.90 | 97.44 | 2.56 |
| 170 | 3.5 | .090 | 219.50 | 98.61 | 1.39 |
| 200 | 3.75 | .075 | 219.60 | 98.65 | 1.35 |
| 230 | 4.0 | .063 | 221.20 | 99.37 | .63 |
| PAN | | | 222.60 | 100.00 | .00 |

SIEVE LOSS(q): .00
MEDIAN (mm): .398 MEAN (mm): .465
SILT/CLAY: 1.35% SORTING: 1.057
SKEWNESS: -.835 KURTOSIS: 1.138

PHI(5): -.98 PHI(16): .12 PHI(25): .58
PHI(50): 1.33 PHI(75): 1.94 PHI(84): 2.24
PHI(95): 2.80
COEFFICIENT OF CURVATURE : .694
COEFFICIENT OF UNIFORMITY: 2.672

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:R113N4.TAB

GRADATION ANALYSIS REPORT
HOLLYWOOD/HALLANDALE 8-18-92

TESTED BY: SHJ ON: 10-6-92

SAMPLE NO.: R113
SAMPLE ELEV. (FT. NGVD): -8
SAMPLE DEPTH (FT.): -8
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 217.90
SAMPLE WEIGHT AFTER WASH (GRAMS): 210.90

| SIEVE SIZE | PHI SIZE | MESH SIZE (mm) | RETAINED (GRAMS) | RETAINED (%) | PASSED (%) |
|---------------|-------------|-------------------|---------------------|-----------------|---------------|
| 5/8 | -4.0 | 16.000 | .00 | .00 | 100.00 |
| 5/16 | -3.0 | 8.000 | .00 | .00 | 100.00 |
| 3 | -2.0 | 4.000 | .00 | .00 | 100.00 |
| 7 | -1.5 | 2.800 | .00 | .00 | 100.00 |
| 10 | -1.0 | 2.000 | .00 | .00 | 100.00 |
| 14 | -0.5 | 1.400 | .30 | .14 | 99.86 |
| 18 | 0.0 | 1.000 | 1.10 | .50 | 99.50 |
| 25 | 0.5 | .710 | 3.40 | 1.56 | 98.44 |
| 35 | 1.0 | .500 | 11.00 | 5.05 | 94.95 |
| 45 | 1.5 | .355 | 28.20 | 12.94 | 87.06 |
| 60 | 2.0 | .250 | 75.90 | 34.93 | 65.17 |
| 80 | 2.5 | .180 | 133.00 | 61.04 | 38.96 |
| 120 | 3.0 | .125 | 186.00 | 85.36 | 14.64 |
| 170 | 3.5 | .090 | 204.50 | 93.85 | 6.15 |
| 200 | 3.75 | .075 | 208.10 | 95.50 | 4.50 |
| 230 | 4.0 | .063 | 213.10 | 97.80 | 2.20 |
| PAN | | | 217.90 | 100.00 | .00 |

SIEVE LOSS(q): .00
MEDIAN (mm): .205 MEAN (mm): .203
SILT/CLAY: 4.50% SORTING: .701
SKEWNESS: .089 KURTOSIS: 1.086

PHI(5): .99 PHI(16): 1.57 PHI(25): 1.78
PHI(50): 2.29 PHI(75): 2.79 PHI(84): 2.97
PHI(95): 3.67
COEFFICIENT OF CURVATURE : 1.002
COEFFICIENT OF UNIFORMITY: 2.257

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:R113N8.TAE

GRADATION ANALYSIS REPORT
HOLLYWOOD HALLANDALE 8-18-92

TESTED BY: SHJ ON: 9-25-92

SAMPLE NO.: R113
SAMPLE ELEV. (FT. NGVD): -12
SAMPLE DEPTH (FT.): -12
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 250.80
SAMPLE WEIGHT AFTER WASH (GRAMS): 241.70

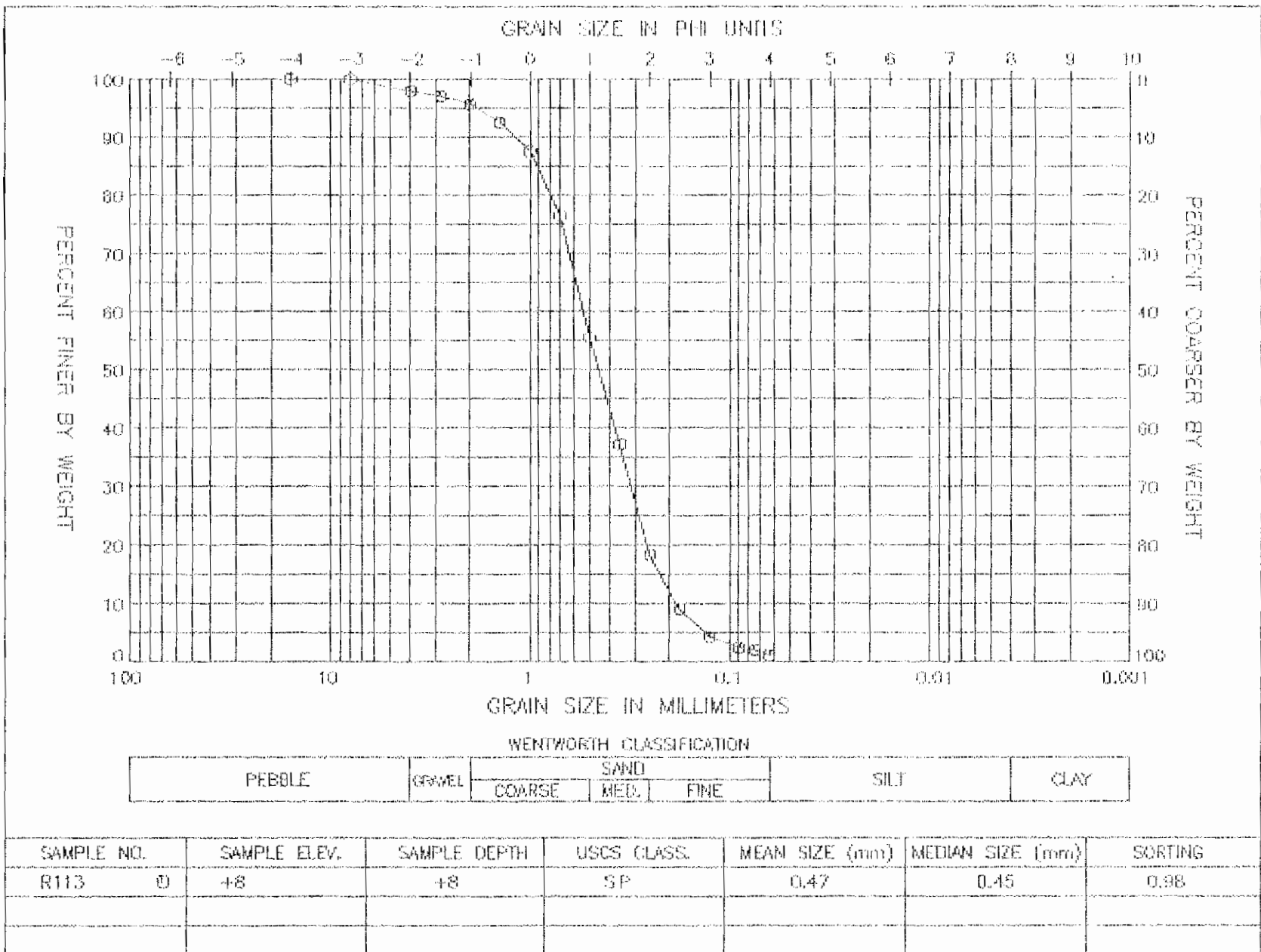
| SIEVE SIZE | PHI SIZE | MESH SIZE (mm) | RETAINED (GRAMS) | RETAINED (%) | PASSED (%) |
|---------------|-------------|-------------------|---------------------|-----------------|---------------|
| 5/8 | -4.0 | 16.000 | .00 | .00 | 100.00 |
| 5/16 | -3.0 | 8.000 | .00 | .00 | 100.00 |
| 5 | -2.0 | 4.000 | .00 | .00 | 100.00 |
| 7 | -1.5 | 2.800 | .00 | .00 | 100.00 |
| 10 | -1.0 | 2.000 | .00 | .00 | 100.00 |
| 14 | -0.5 | 1.400 | .20 | .08 | 99.92 |
| 18 | 0.0 | 1.000 | .80 | .32 | 99.68 |
| 25 | 0.5 | .710 | 2.80 | 1.12 | 98.88 |
| 35 | 1.0 | .500 | 10.30 | 4.11 | 95.89 |
| 45 | 1.5 | .355 | 25.30 | 10.09 | 89.91 |
| 60 | 2.0 | .250 | 63.80 | 25.44 | 74.56 |
| 80 | 2.5 | .180 | 109.70 | 43.74 | 56.26 |
| 120 | 3.0 | .125 | 167.30 | 66.71 | 33.29 |
| 170 | 3.5 | .090 | 207.20 | 82.62 | 17.38 |
| 200 | 3.75 | .075 | 221.40 | 88.28 | 11.72 |
| 230 | 4.0 | .063 | 237.25 | 94.60 | 5.40 |
| PAN | | | 250.60 | 99.92 | .08 |

SIEVE LOSS(q): .20
MEDIAN (mm): .161 MEAN (mm): .165
SILT/CLAY: 11.72% SORTING: .934
SKEWNESS: -.182 KURTOSIS: .945

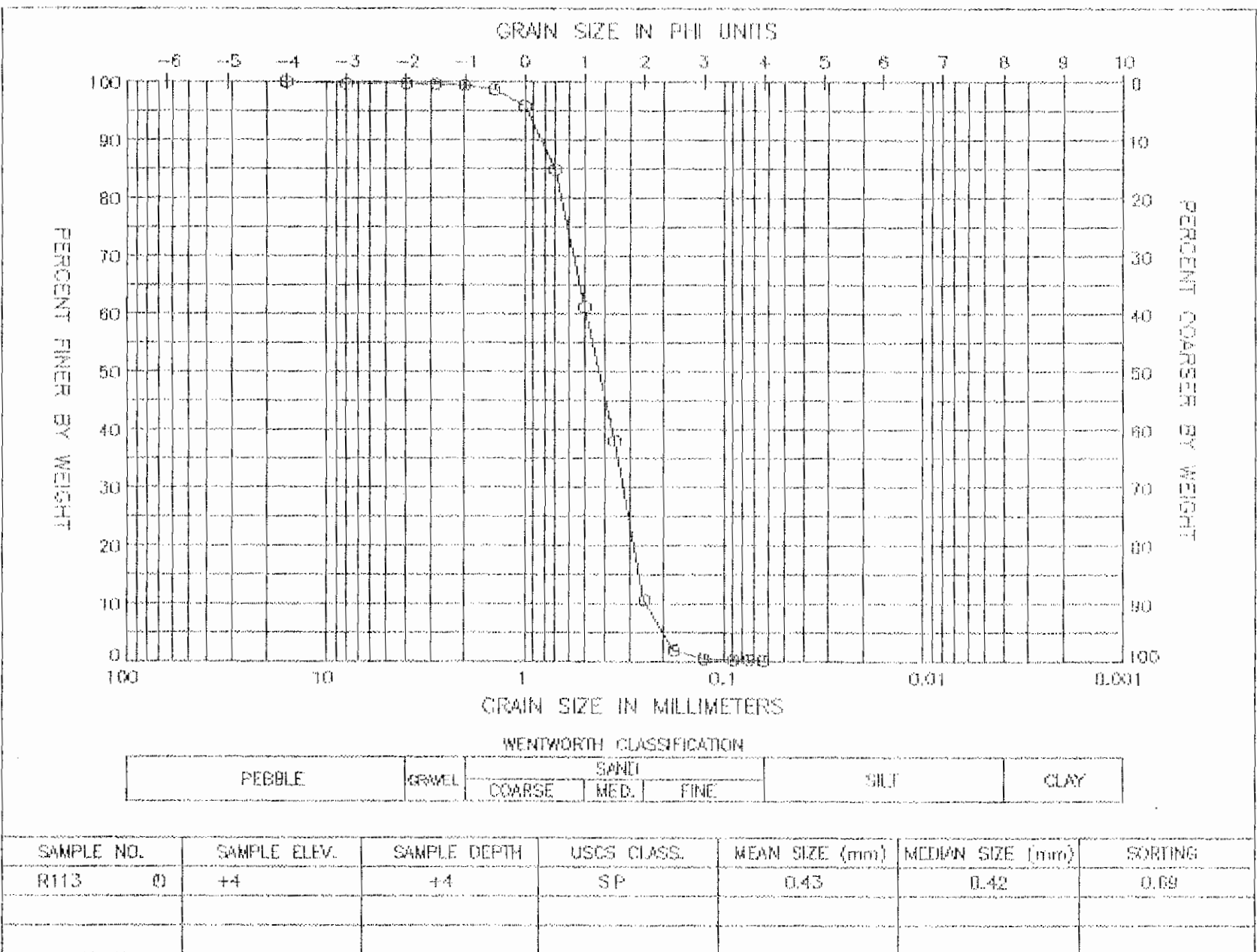
PHI(5): 1.07 PHI(16): 1.69 PHI(25): 1.99
PHI(50): 2.64 PHI(75): 3.26 PHI(84): 3.56
PHI(95): 4.02
COEFFICIENT OF CURVATURE : 1.006
COEFFICIENT OF UNIFORMITY: 2.676

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:R113N12.TAB

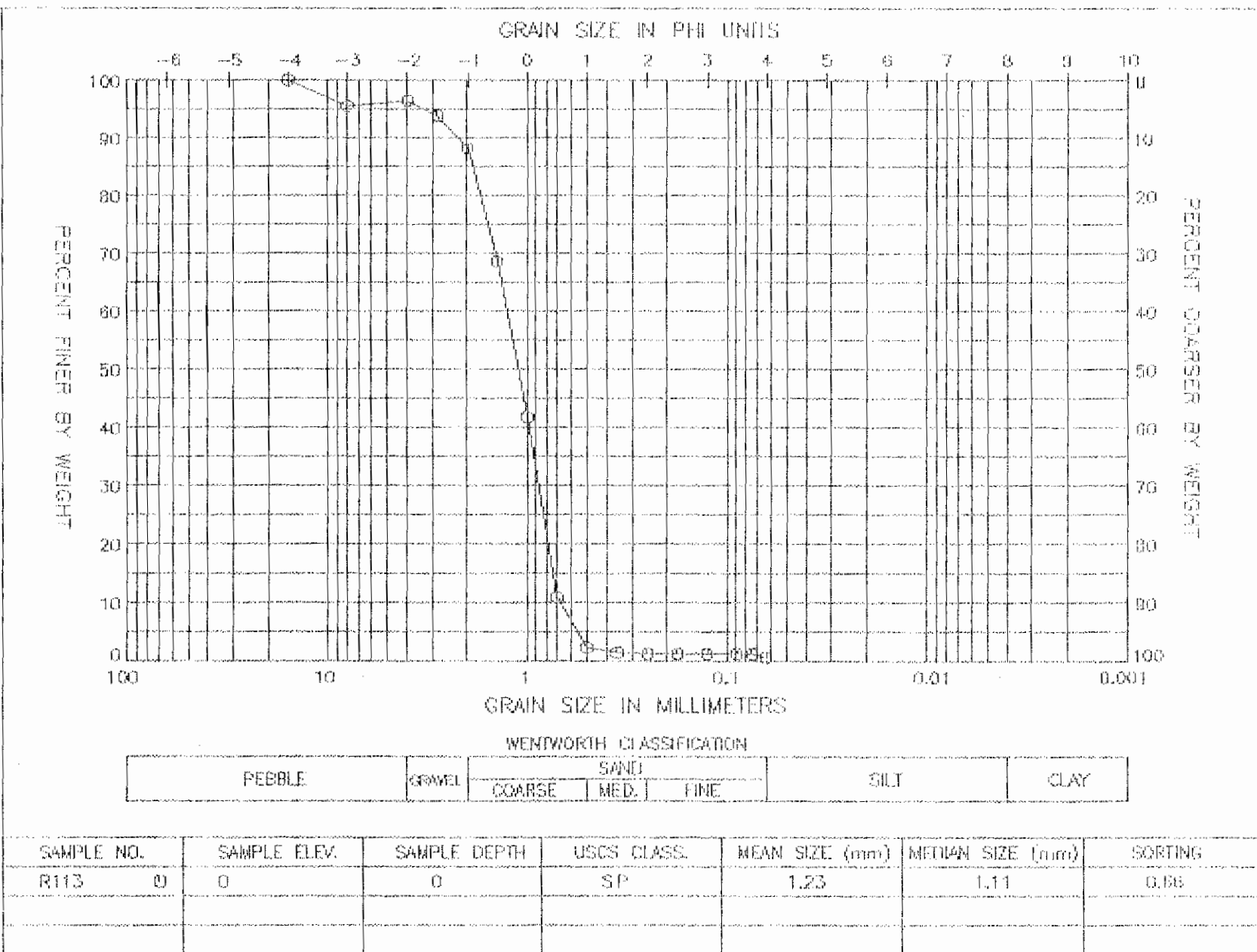
GRAIN SIZE DISTRIBUTION CURVE
HOLLYWOOD/HALLANDALE 8-13-92



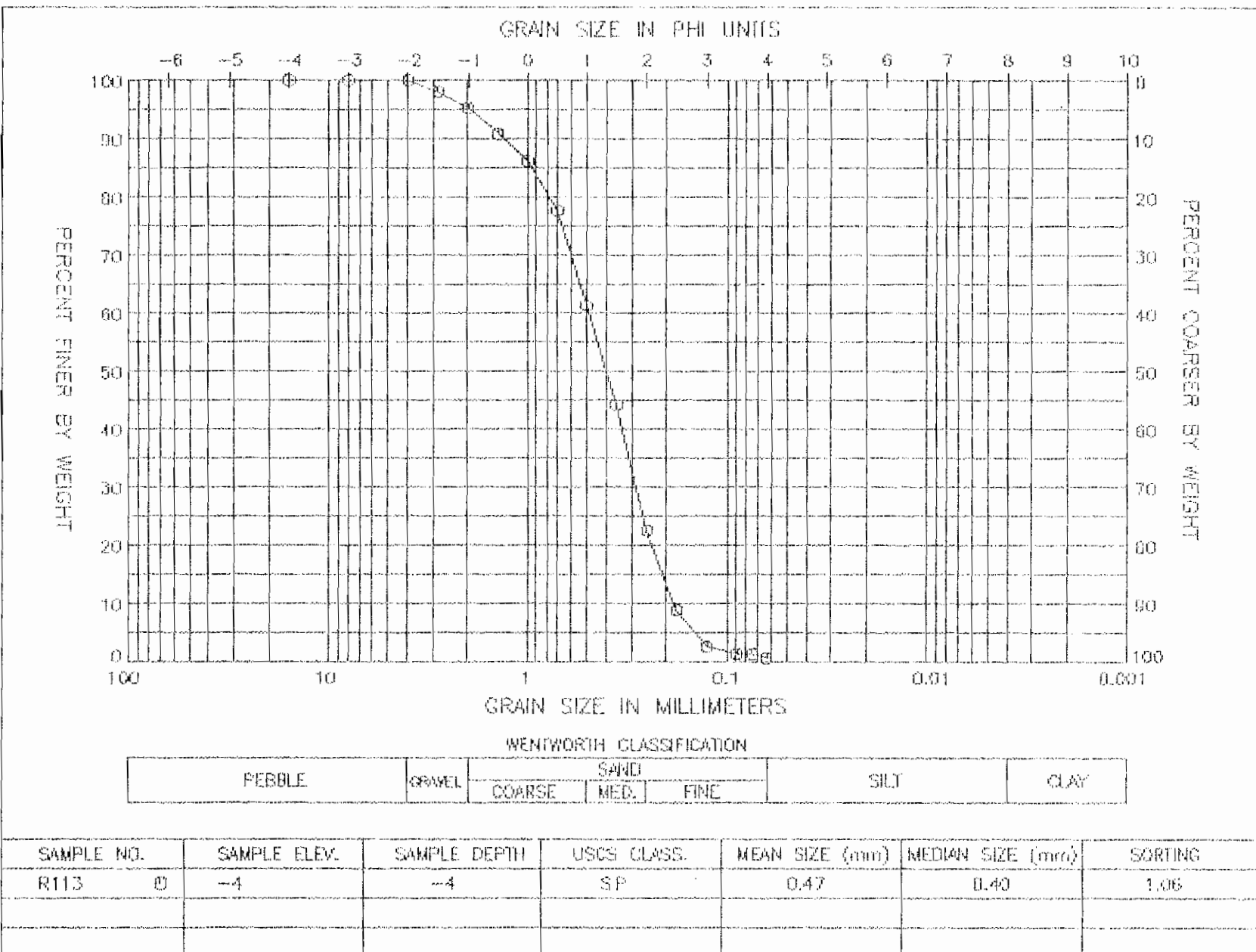
GRAIN SIZE DISTRIBUTION CURVE
HOLLYWOOD HALLANDALE 8-18-92



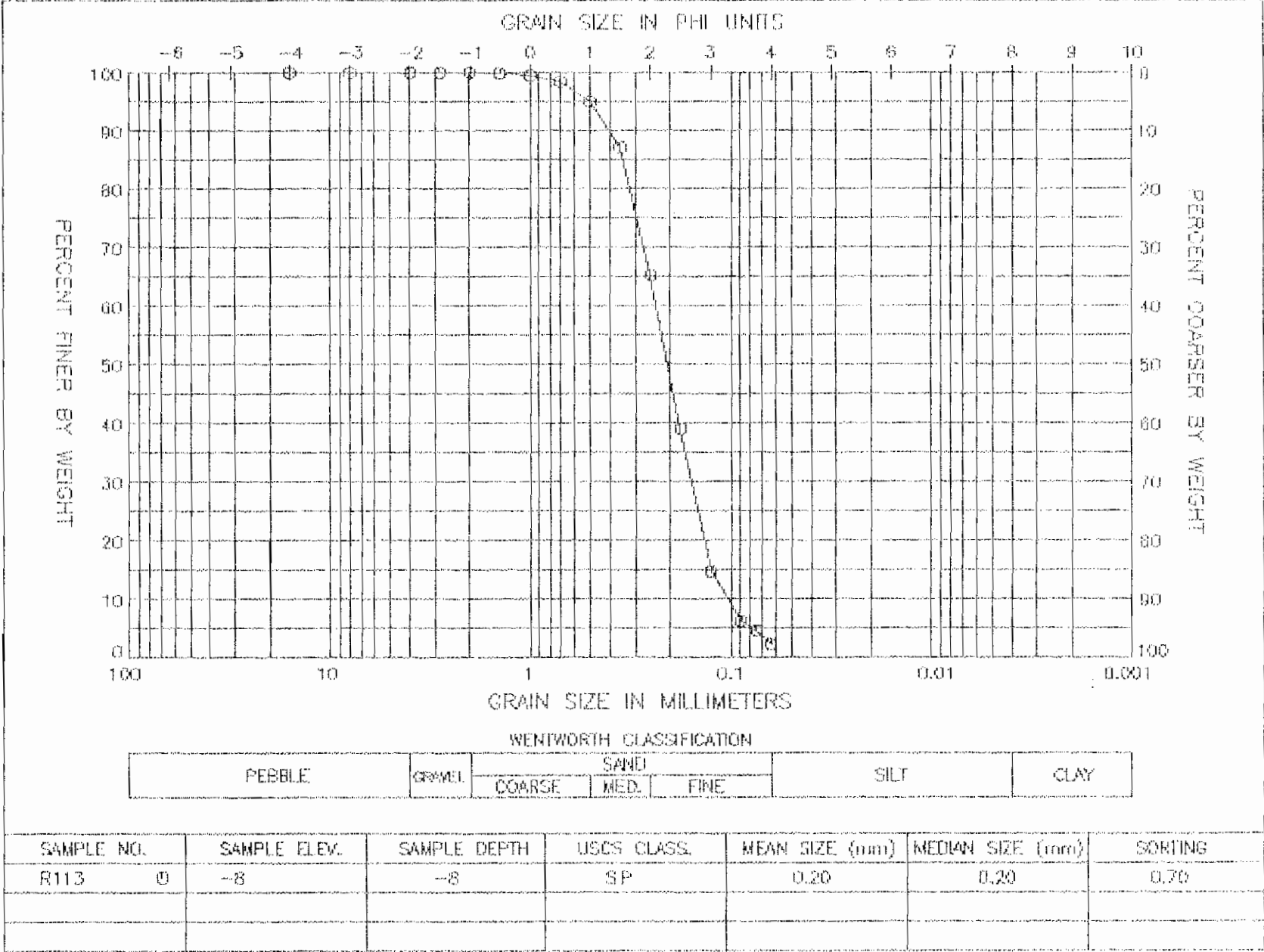
GRAIN SIZE DISTRIBUTION CURVE
HOLLYWOOD/HALLANDALE 8-18-92



GRAIN SIZE DISTRIBUTION CURVE
HOLLYWOOD/HALLANDALE 8-18-92



GRAIN SIZE DISTRIBUTION CURVE
HOLLYWOOD/HALLANDALE 8-18-92



GRAIN SIZE DISTRIBUTION CURVE
HOLLYWOOD HALLANDALE 8-12-92

