

GRADATION ANALYSIS REPORT  
HOLLYWOOD/HALLANDALE 8-18-92

TESTED BY: SHJ      QN: 10-2-92

SAMPLE NO.: T101  
SAMPLE ELEV. (FT. NGVD): +8  
SAMPLE DEPTH (FT.): +8  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 294.40  
SAMPLE WEIGHT AFTER WASH (GRAMS): 293.50

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	3.77	96.23
5	-2.0	4.000	16.10	5.47	94.53
7	-1.5	2.800	24.30	8.25	91.75
10	-1.0	2.000	36.30	12.33	87.67
14	-0.5	1.400	58.80	19.97	80.03
18	0.0	1.000	83.40	28.33	71.67
25	0.5	.710	126.90	43.10	56.90
35	1.0	.500	212.20	72.08	27.92
45	1.5	.355	260.30	88.42	11.58
60	2.0	.250	285.10	96.84	3.16
80	2.5	.180	291.10	98.68	1.12
120	3.0	.125	292.90	99.49	.51
170	3.5	.090	293.40	99.66	.34
200	3.75	.075	293.40	99.66	.34
230	4.0	.063	293.85	99.81	.19
PAN			294.40	100.00	.00

SIEVE LOSS(q): .00  
MEDIAN (mm): .651      MEAN (mm): .890  
SILT/CLAY: .34%      SORTING: 1.062  
SKEWNESS: -1.623      KURTOSIS: 1.325

PHI(5): -2.28      PHI(16): -.76      PHI(25): -.20  
PHI(50): .62      PHI(75): 1.09      PHI(84): 1.36  
PHI(95): 1.89  
COEFFICIENT OF CURVATURE : 1.043  
COEFFICIENT OF UNIFORMITY: 2.296

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:T101P8.TAB

GRADATION ANALYSIS REPORT  
HOLLYWOOD/HALLANDALE 8-18-92

TESTED BY: SHJ ON: 10-2-92

SAMPLE NO.: T101  
SAMPLE ELEV. (FT. NGVD): +4  
SAMPLE DEPTH (FT.): +4  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 300.10  
SAMPLE WEIGHT AFTER WASH (GRAMS): 299.30

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	.20	.07	99.93
10	-1.0	2.000	.80	.27	99.73
14	-0.5	1.400	2.90	.97	99.03
18	0.0	1.000	8.60	2.87	97.13
25	0.5	.710	39.70	13.23	86.77
35	1.0	.500	177.60	59.18	40.82
45	1.5	.355	258.30	86.07	13.93
60	2.0	.250	292.90	97.60	2.40
80	2.5	.180	298.00	99.30	.70
120	3.0	.125	299.10	99.67	.33
170	3.5	.090	299.10	99.67	.33
200	3.75	.075	299.20	99.70	.30
230	4.0	.063	299.60	99.83	.17
PAN			300.00	99.97	.03

SIEVE LOSS(q):	.10		
MEDIAN (mm):	.536	MEAN (mm):	.508
SILT/CLAY:	.30%	SORTING:	.466
SKEWNESS:	.190	KURTOSIS:	1.098

PHI(5):	.10	PHI(16):	.53	PHI(25):	.63
PHI(50):	.90	PHI(75):	1.29	PHI(84):	1.46
PHI(95):	1.89				

COEFFICIENT OF CURVATURE : 1.042  
COEFFICIENT OF UNIFORMITY: 1.839

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:T101P4.TAB

GRADATION ANALYSIS REPORT  
HOLLYWOOD/HALLANDALE 8-18-92

TESTED BY: SHJ ON: 10-2-92

SAMPLE NO.: T101  
SAMPLE ELEV. (FT. NGVD): 0  
SAMPLE DEPTH (FT.): 0  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 302.90  
SAMPLE WEIGHT AFTER WASH (GRAMS): 300.30

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	4.50	1.49	98.51
5/16	-3.0	8.000	5.10	1.68	98.32
5	-2.0	4.000	16.90	5.58	94.42
7	-1.5	2.800	26.80	8.85	91.15
10	-1.0	2.000	50.60	16.71	83.29
14	-0.5	1.400	109.40	36.12	63.88
18	0.0	1.000	168.10	55.50	44.50
25	0.5	.710	249.20	82.27	17.73
35	1.0	.500	290.90	96.04	3.96
45	1.5	.355	298.20	98.45	1.55
60	2.0	.250	299.90	99.01	.99
80	2.5	.180	300.10	99.08	.92
120	3.0	.125	300.20	99.11	.89
170	3.5	.090	300.30	99.14	.86
200	3.75	.075	300.30	99.14	.86
230	4.0	.063	301.60	99.57	.43
PAN			302.90	100.00	.00

SIEVE LOSS(q): .00  
MEDIAN (mm): 1.103 MEAN (mm): 1.285  
SILT/CLAY: .86% SORTING: .804  
SKEWNESS: -.903 KURTOSIS: 1.108

PHI(5): -2.15 PHI(16): -1.04 PHI(25): -.79  
PHI(50): -.14 PHI(75): .36 PHI(84): .56  
PHI(95): .96

COEFFICIENT OF CURVATURE : .895  
COEFFICIENT OF UNIFORMITY: 2.267

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:T1010.TAB

GRADATION ANALYSIS REPORT  
HOLLYWOOD/HALLANDALE 8-18-92

TESTED BY: SHJ ON: 10-6-92

SAMPLE NO.: T101  
SAMPLE ELEV. (FT. NGVD): -4  
SAMPLE DEPTH (FT.): -4  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 233.00  
SAMPLE WEIGHT AFTER WASH (GRAMS): 230.20

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	22.20	9.53	90.47
7	-1.5	2.800	32.50	13.95	86.05
10	-1.0	2.000	41.20	17.68	82.32
14	-0.5	1.400	53.00	22.75	77.25
18	0.0	1.000	66.30	28.45	71.55
25	0.5	.710	84.70	36.35	63.65
35	1.0	.500	110.20	47.30	52.70
45	1.5	.355	131.00	56.22	43.78
60	2.0	.250	158.10	67.85	32.15
80	2.5	.180	166.80	80.17	19.83
120	3.0	.125	217.20	93.22	6.78
170	3.5	.090	227.70	97.73	2.27
200	3.75	.075	229.10	98.33	1.67
230	4.0	.063	231.20	99.23	.77
PAN			232.90	99.96	.04

SIEVE LOSS(g): .10  
MEDIAN (mm): .450  
SILT/CLAY: 1.67%  
SKEWNESS: -1.580  
MEAN (mm): .633  
SORTING: 1.936  
KURTOSIS: .897

PHI(5): -2.48 PHI(16): -1.23 PHI(25): -.30  
PHI(50): 1.15 PHI(75): 2.29 PHI(84): 2.65  
PHI(95): 3.20  
COEFFICIENT OF CURVATURE : .646  
COEFFICIENT OF UNIFORMITY: 4.627

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:T101N4.YAS

GRADATION ANALYSIS REPORT  
HOLLYWOOD/HALLANDALE 8-18-92

TESTED BY: SHJ ON: 10-2-92

SAMPLE NO.: T101  
SAMPLE ELEV. (FT. NGVD): -8  
SAMPLE DEPTH (FT.): -8  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 219.10  
SAMPLE WEIGHT AFTER WASH (GRAMS): 216.10

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	.09	99.91
18	0.0	1.000	.80	.37	99.63
25	0.5	.710	2.50	1.14	98.86
35	1.0	.500	11.30	5.16	94.84
45	1.5	.355	34.50	15.75	84.25
60	2.0	.250	101.20	46.19	53.81
80	2.5	.180	164.60	75.13	24.87
120	3.0	.125	206.50	94.25	5.75
170	3.5	.090	215.00	98.13	1.87
200	3.75	.075	215.60	98.40	1.60
230	4.0	.063	217.30	99.18	.82
PAN			219.00	99.95	.05

SIEVE LOSS(q): .10  
MEDIAN (mm): .239  
SILT/CLAY: 1.60%  
SKEWNESS: -.055  
MEAN (mm): .237  
SORTING: .614  
KURTOSIS: 1.025

PHI(5): .98 PHI(16): 1.50 PHI(25): 1.65  
PHI(50): 2.07 PHI(75): 2.50 PHI(84): 2.73  
PHI(95): 3.10  
COEFFICIENT OF CURVATURE : .976  
COEFFICIENT OF UNIFORMITY: 1.987

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:T101NB.TAB

GRADATION ANALYSIS REPORT  
HOLLYWOOD/HALLANDALE 8-18-92

TESTED BY: SHJ      ON: 10-4-92

SAMPLE NO.: T101  
SAMPLE ELEV. (FT. NGVD): -12  
SAMPLE DEPTH (FT.): -12  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 278.70  
SAMPLE WEIGHT AFTER WASH (GRAMS): 275.70

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	.40	.14	99.86
18	0.0	1.000	1.70	.61	99.39
25	0.5	.710	4.50	1.61	98.39
35	1.0	.500	13.90	4.99	95.01
45	1.5	.355	30.80	11.05	88.95
60	2.0	.250	73.70	26.44	73.56
80	2.5	.180	143.40	51.45	48.55
120	3.0	.125	242.60	87.05	12.95
170	3.5	.090	270.30	96.99	3.01
200	3.75	.075	273.30	98.06	1.94
230	4.0	.063	276.10	99.07	.93
PAN			278.50	99.93	.07

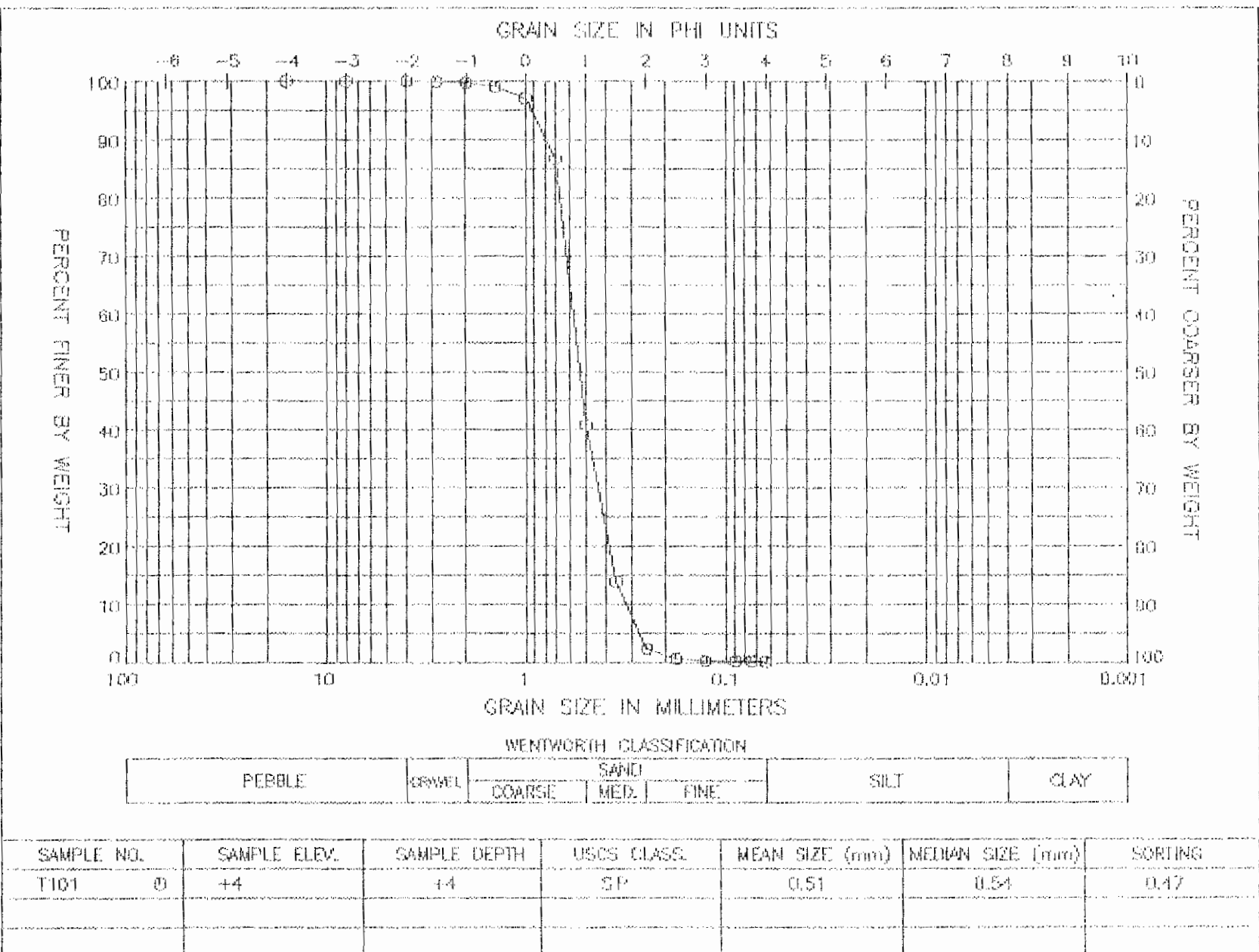
SIEVE LOSS(q): .20  
MEDIAN (mm): .180      MEAN (mm): .203  
SILT/CLAY: 1.94%      SORTING: .648  
SKEWNESS: -.541      KURTOSIS: 1.120

PHI(5): 1.00      PHI(16): 1.66      PHI(25): 1.95  
PHI(50): 2.47      PHI(75): 2.83      PHI(84): 2.96  
PHI(95): 3.40  
COEFFICIENT OF CURVATURE : .932  
COEFFICIENT OF UNIFORMITY: 1.837

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:T101N12.TAB

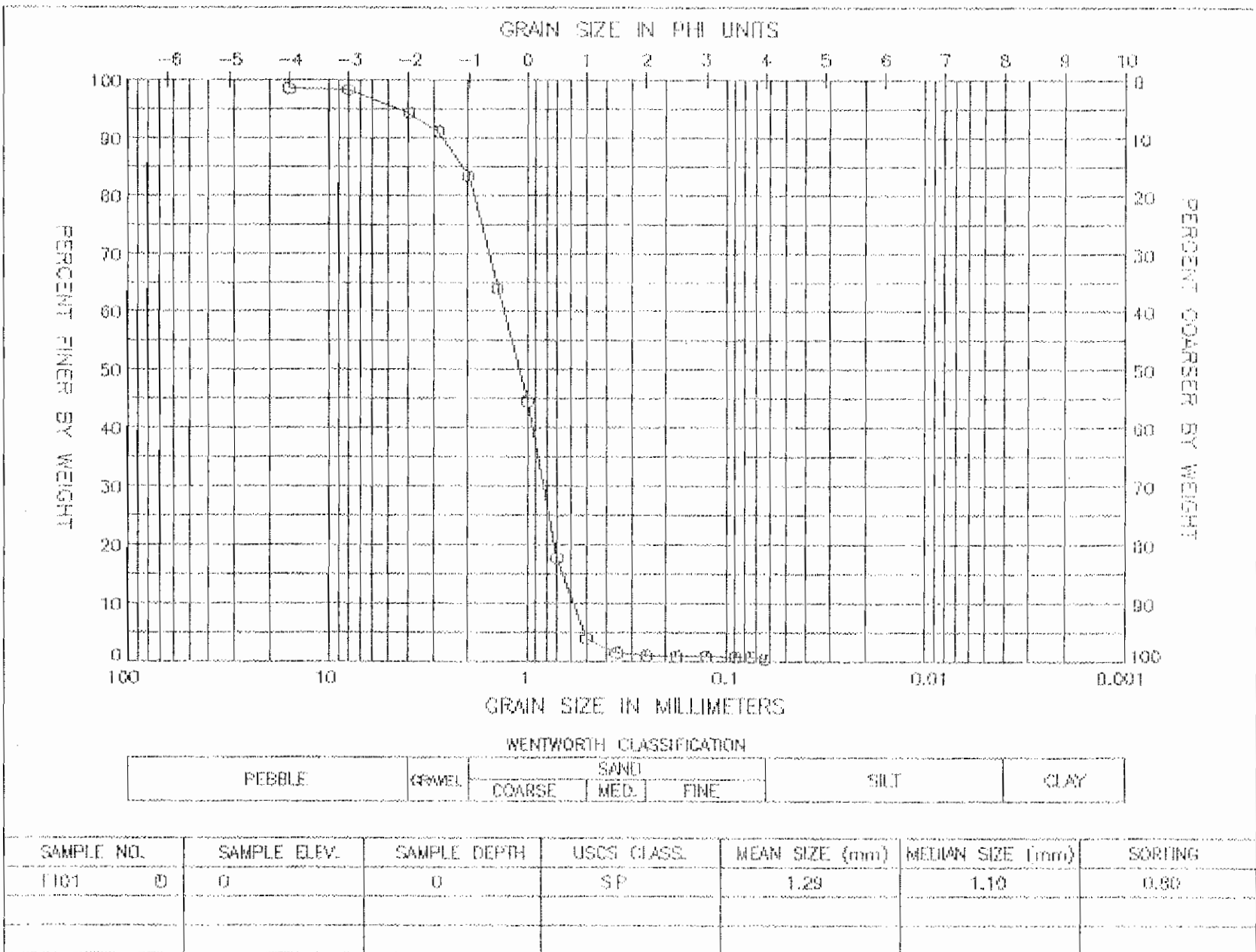


# GRAIN SIZE DISTRIBUTION CURVE HOLLYWOOD/HALLANDALE 8-18-92

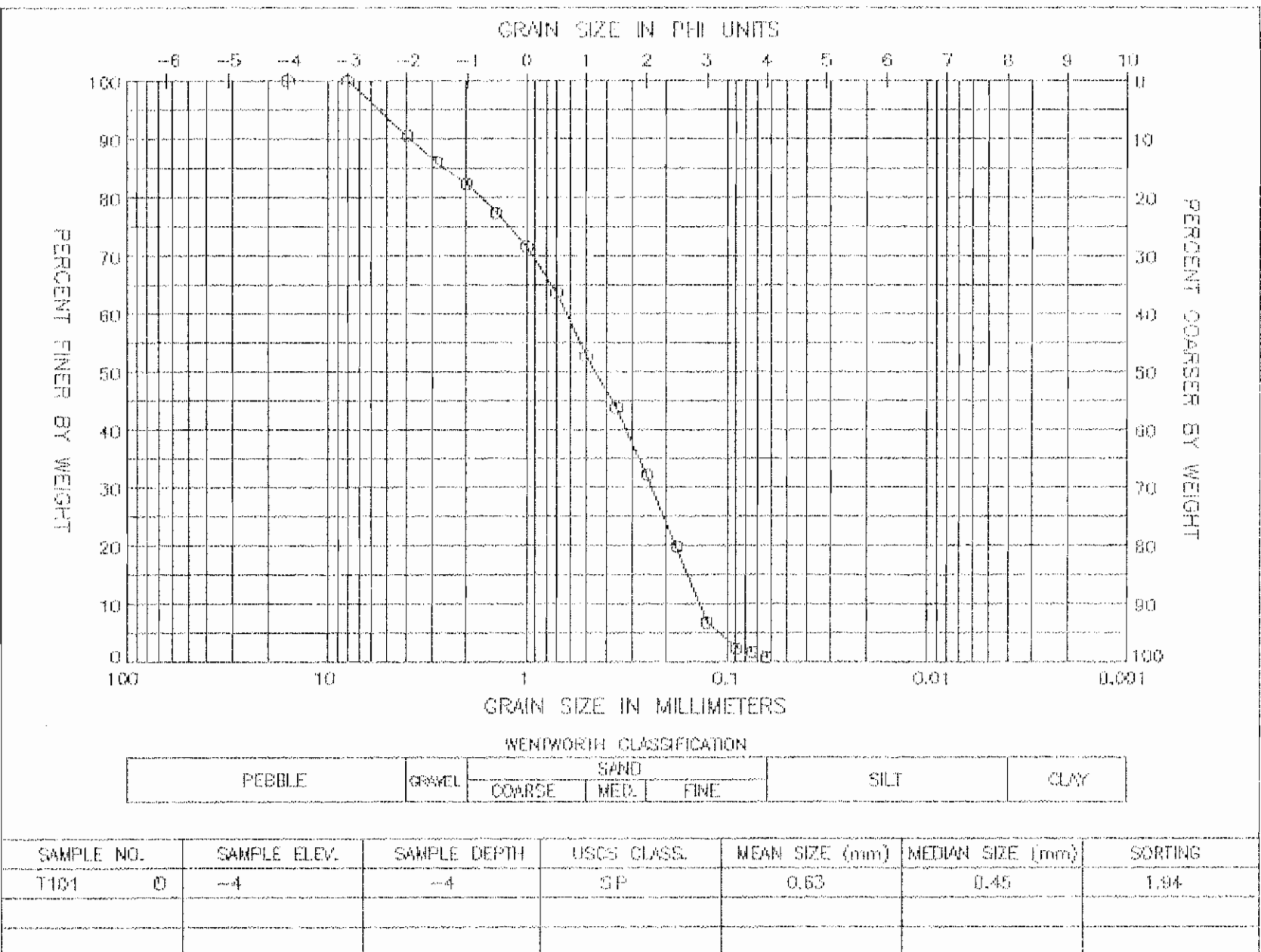




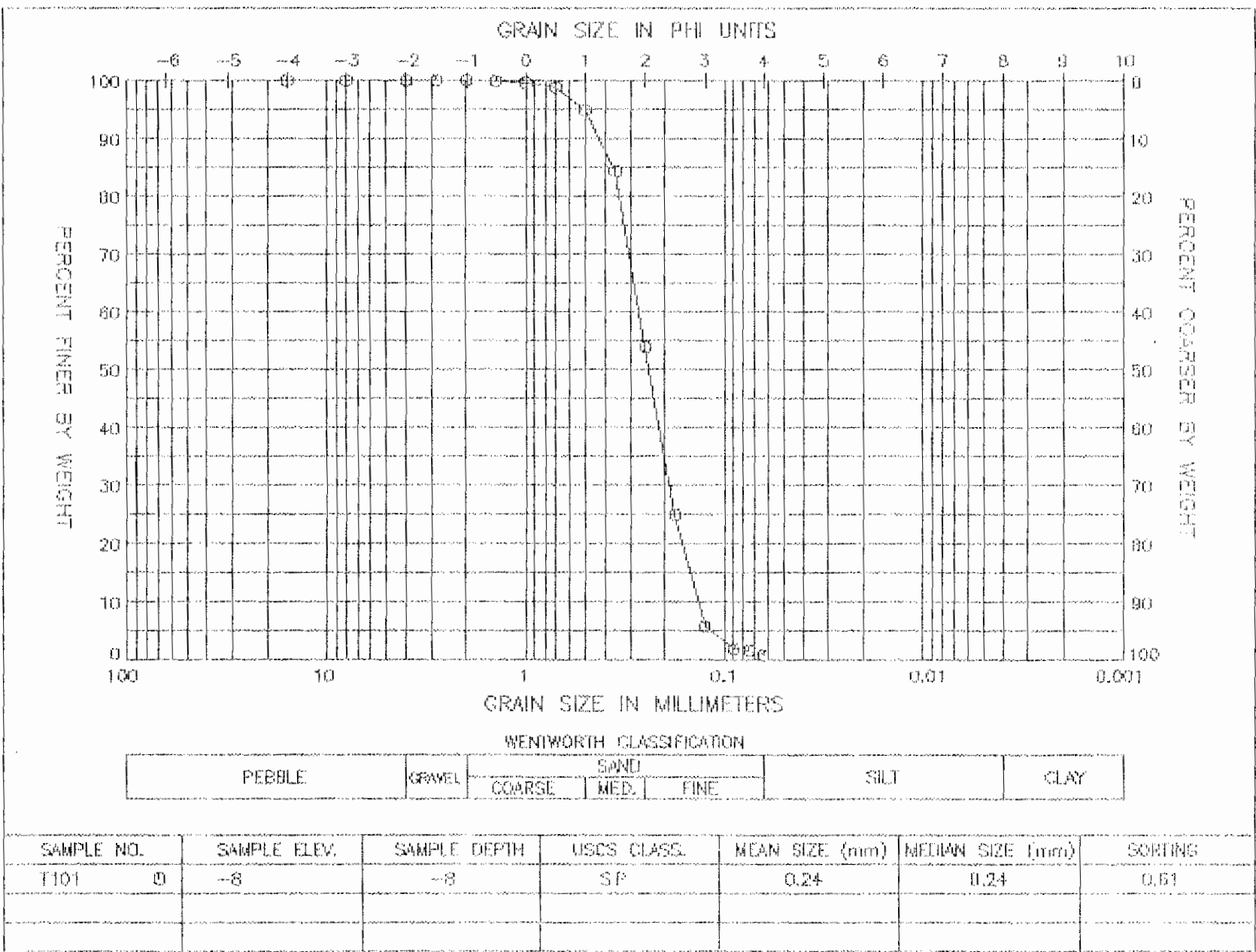
GRAIN SIZE DISTRIBUTION CURVE  
HOLLYWOOD/HALLANDALE 8-10-92



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



GRAIN SIZE DISTRIBUTION CURVE  
HOLLYWOOD/HALLANDALE 8-13-52



GRAIN SIZE DISTRIBUTION CURVE  
HOLLYWOOD/HALLANDALE 8-15-92

