ATTACHMENT D

Physical Parameter Laboratory

PTS Laboratories

PTS File No: 47118
Client: Ninyo & Moore
Report Date: 03/29/17

PHYSICAL PROPERTIES DATA

Project Name: Hollywood-Burbank Airport
Project No: 210048001

		METHODS:	API RP 40		
			POROSITY, %Vb (2)		
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	TOTAL	AIR-FILLED	WATER-FILLED
B-16 @ 5	5.7	V	39.9	37.4	2.5
B-16 @ 15	15.1	V	42.5	35.5	7.0
B-17 @ 5	5.35	V	48.2	38.4	9.8
B-17 @ 15	15.4	V	41.4	31.1	10.4
B-18 @ 5	5.45	V	36.0	32.8	3.2
B-18 @ 15	15.4	V	37.9	33.8	4.1
B-19 @ 5	5.2	V	46.7	23.4	23.3
B-19 @ 15	15.4	V	40.0	28.0	12.0
B-20 @ 5	5.4	V	37.7	33.1	4.6
B-20 @ 15	15.4	V	38.7	29.7	9.0
B-22 @ 5	5.2	V	49.6	36.7	12.9
B-22 @ 15	15.9	V	30.6	27.9	2.7

(1) Sample Orientation: H = horizontal; V = vertical; R = remold

(2) Total Porosity = all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids.

Vb = Bulk Volume, cc.

- - = Analysis not requested.

PTS File No: 47118
Client: Ninyo & Moore
Report Date: 03/29/17

PTS Laboratories

DRY BULK DENSITY OF IN-PLACE SOIL

(Methodology: ASTM D2937)

Project Name: Hollywood-Burbank Airport
Project No: 210048001

SAMPLE ID.	DEPTH, ft.	ANALYSIS DATE	TOTAL SAMPLE VOLUME, cc	MOISTURE CONTENT, % wt	VOLUMETRIC MOISTURE CONTENT, fraction Vb	DRY BULK DENSITY, g/cc
B-16 @ 5	5-5.5	20170313	454.61	3.1	0.057	1.84
B-16 @ 15	15.5-16	20170313	451.50	2.8	0.051	1.82
B-17 @ 5	5.5-6	20170313	456.59	10.0	0.154	1.54
B-17 @ 15	15.5-16	20170313	454.18	3.0	0.051	1.68
B-18 @ 5	5.5-6	20170313	456.34	2.2	0.039	1.74
B-18 @ 15	15.5-16	20170313	455.27	3.6	0.066	1.85
B-19 @ 5	5.5-6	20170313	456.46	11.1	0.174	1.56
B-19 @ 15	15.5-16	20170313	457.03	5.8	0.097	1.67
B-20 @ 5	5.5-6	20170313	456.85	5.1	0.092	1.82
B-20 @ 15	15.5-16	20170313	456.05	4.5	0.075	1.64
B-22 @ 5	5.5-6	20170313	284.07	5.1	0.090	1.77
B-22 @ 15	16-16.5	20170313	284.75	1.9	0.034	1.76

Vb = Bulk Volume

PTS Laboratories

PTS File No: 47118
Client: Ninyo & Moore
Report Date: 03/29/17

PHYSICAL PROPERTIES DATA - PERMEABILITY TO AIR

(Methodology: API RP40)

Project Name: Hollywood-Burbank Airport
Project No: 210048001

SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	ANALYSIS DATE	25 PSI CONFINING STRESS EFFECTIVE (2) PERMEABILITY TO AIR millidarcy
B-16 @ 5	5.6	V	20170314	20500
B-16 @ 15	15.25	V	20170314	2380
B-17 @ 5	5.2	V	20170314	6210
B-17 @ 15	15.3	V	20170314	4740
B-18 @ 5	5.3	V	20170314	18900
B-18 @ 15	15.3	V	20170314	10300
B-19 @ 5	5.35	V	20170314	687
B-19 @ 15	15.25	V	20170314	2430
B-20 @ 5	5.2	V	20170314	24100
B-20 @ 15	15.3	V	20170314	7530
B-22 @ 5	5.1	V	20170314	13000
B-22 @ 15	15.75	V	20170314	8020

(1) Sample Orientation: H = horizontal; V = vertical; R = remold

(2) Effective (Native) = With as-received pore fluids in place.

Air = Nitrogen gas.

PTS Laboratories

PTS File No: 47118
Client: Ninyo & Moore
Report Date: 03/29/17

ORGANIC CARBON DATA - TOC (foc)

(Methodology: Walkley-Black)

Project Name: Hollywood-Burbank Airport
Project No: 210048001

SAMPLE ID.	DEPTH, ft.	ANALYSIS DATE	ANALYSIS TIME	SAMPLE MATRIX	TOTAL ORGANIC CARBON, mg/kg	FRACTION ORGANIC CARBON, g/g
B-16 @ 5	5.5	20170328	1130	SOIL	<100	<1.00E-04
B-16 @ 15	15.5	20170328	1130	SOIL	110	1.10E-04
B-17 @ 5	5.5	20170328	1130	SOIL	400	4.00E-04
B-17 @ 15	15.5	20170328	1130	SOIL	1350	1.35E-03
B-18 @ 5	5.5	20170328	1130	SOIL	110	1.10E-04
B-18 @ 15	15.5	20170328	1130	SOIL	860	8.60E-04
B-19 @ 5	5.5	20170328	1130	SOIL	2200	2.20E-03
B-19 @ 15	15.5	20170328	1130	SOIL	<100	<1.00E-04
B-20 @ 5	5.5	20170328	1130	SOIL	200	2.00E-04
B-20 @ 15	15.5	20170328	1130	SOIL	6600	6.60E-03
B-22 @ 5	5.5	20170328	1130	SOIL	690	6.90E-04
B-22 @ 15	16.0	20170328	1130	SOIL	<100	<1.00E-04
Blank	N/A	20170328	1130	BLANK	ND	ND
SRM D093-542	N/A	20170328	1130	SRM	6280	6.28E-03
				Reporting Limit:	100	1.00E-04

QC DATA

SRM ID/Lot No.	REC (%)	Control Limits	Certified Concentration mg/kg	QC Performance Acceptance Limits, mg/kg Lower	Upper
SRM D093-542	112	75-125	5590	4193	6988

ND = Not Detected

PTS Laboratories, Inc.

Particle Size Distribution - ASTM D422: Sieve/Hydrometer

Client:	Ninyo & Moore	**PTS File No:**	47118
Project:	Hollywood-Burbank Airport	**Sample ID:**	B-16 @ 5
Project No:	210048001	**Depth, ft:**	5.5

SIEVE - HYDROMETER ANALYSIS

Opening		Phi of	U.S. Sieve	Incremental Percent	Percent	Cumulative Percent
Inches	Millimeters	Screen	No.	Finer	Finer	Retained
2.95	75.0	-6.23	3"	0.0	100.0	0.0
1.97	50.0	-5.64	2"	0.0	100.0	0.0
1.48	37.5	-5.23	1-1/2"	0.0	100.0	0.0
0.984	25.0	-4.64	1"	13.8	86.2	13.8
0.748	19.0	-4.25	3/4"	9.4	76.7	23.3
0.374	9.50	-3.25	3/8"	11.6	65.2	34.8
0.187	4.76	-2.25	4	13.0	52.2	47.8
0.0787	2.00	-1.00	10	13.5	38.6	61.4
0.0335	0.850	0.23	20	13.3	25.3	74.7
0.0166	0.420	1.25	40	10.5	14.8	85.2
0.0098	0.250	2.00	60	5.9	9.0	91.0
0.0042	0.106	3.24	140	4.8	4.2	95.8
0.0029	0.074	3.75	200	1.1	3.0	97.0
0.0014	0.036	4.80	Hydrometer	0.3	2.8	97.2
0.00090	0.023	5.45	Hydrometer	0.4	2.3	97.7
0.00052	0.013	6.24	Hydrometer	0.4	1.9	98.1
0.00037	0.0094	6.73	Hydrometer	0.4	1.5	98.5
0.00026	0.0066	7.24	Hydrometer	0.2	1.3	98.7
0.00013	0.0033	8.25	Hydrometer	0.3	0.9	99.1
0.00005	0.0014	9.51	Hydrometer	0.1	0.8	99.2
			"PAN"	0.8		100.0
TOTALS				100.0		100.0

Cumulative Percent greater than (retained)			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	-5.02	1.2749	32.384
10	-4.81	1.1010	27.965
16	-4.55	0.9238	23.464
25	-4.10	0.6736	17.109
40	-2.85	0.2840	7.214
50	-2.05	0.1632	4.144
60	-1.13	0.0860	2.184
75	0.26	0.0328	0.833
84	1.14	0.0179	0.454
90	1.87	0.0108	0.274
95	3.02	0.0049	0.123

Measure	Trask	Inman	Folk-Ward
Median, phi	-2.05	-2.05	-2.05
Median, in.	0.1632	0.1632	0.1632
Median, mm	4.144	4.144	4.144
Mean, phi	-3.17	-1.71	-1.82
Mean, in.	0.3532	0.1286	0.1392
Mean, mm	8.971	3.265	3.535
Sorting	4.533	2.845	2.640
Skewness	0.911	0.121	0.191
Kurtosis	0.294	0.412	0.755

Grain Size Description (ASTM-USCS Scale)	Coarse sand (based on Trask Median)

Description	Retained on Sieve #	Weight Percent
Gravel	4	47.8
Coarse Sand	10	13.5
Medium Sand	40	23.8
Fine Sand	200	11.8
Silt/Clay	<200	3.0
	Total	100

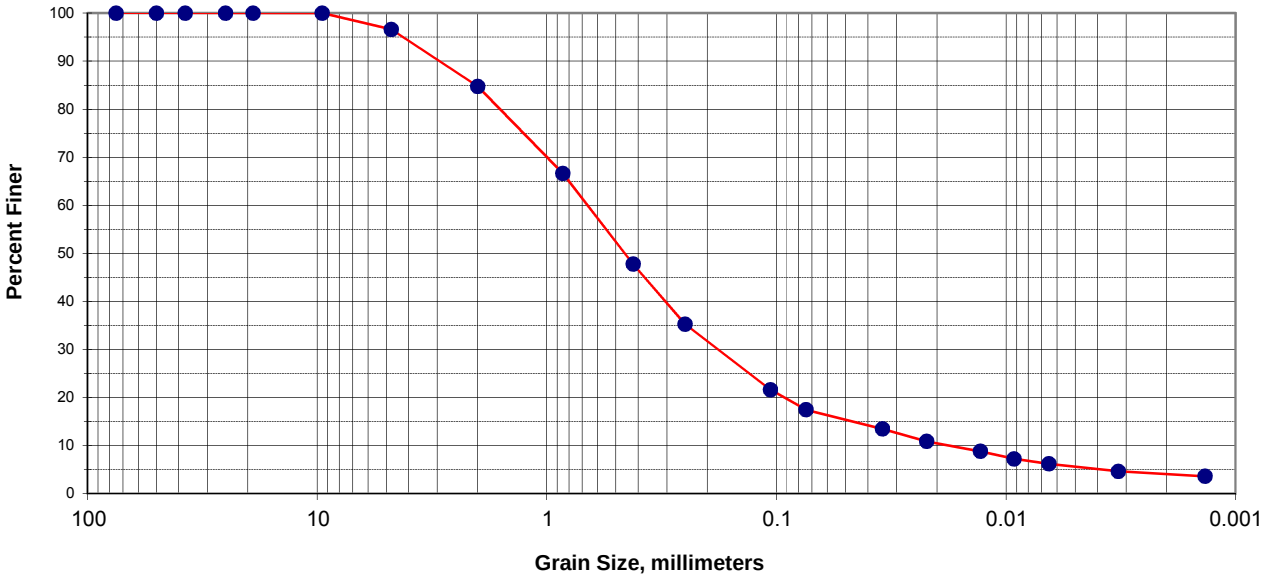
Phone: (562) 347-2500 Fax: (562) 907-3610

PTS Laboratories, Inc.

Particle Size Distribution - ASTM D422: Sieve/Hydrometer

Client:	Ninyo & Moore	**PTS File No:**	47118
Project:	Hollywood-Burbank Airport	**Sample ID:**	B-16 @ 15
Project No:	210048001	**Depth, ft:**	15.3

SIEVE - HYDROMETER ANALYSIS



Opening		Phi of	U.S. Sieve	Incremental Percent	Percent	Cumulative Percent
Inches	Millimeters	Screen	No.	Finer	Finer	Retained
2.95	75.0	-6.23	3"	0.0	100.0	0.0
1.97	50.0	-5.64	2"	0.0	100.0	0.0
1.48	37.5	-5.23	1-1/2"	0.0	100.0	0.0
0.984	25.0	-4.64	1"	0.0	100.0	0.0
0.748	19.0	-4.25	3/4"	0.0	100.0	0.0
0.374	9.50	-3.25	3/8"	0.0	100.0	0.0
0.187	4.76	-2.25	4	3.4	96.6	3.4
0.0787	2.00	-1.00	10	11.9	84.8	15.2
0.0335	0.850	0.23	20	18.1	66.6	33.4
0.0166	0.420	1.25	40	18.9	47.7	52.3
0.0098	0.250	2.00	60	12.5	35.3	64.7
0.0042	0.106	3.24	140	13.7	21.6	78.4
0.0029	0.074	3.75	200	4.1	17.5	82.5
0.0014	0.035	4.86	Hydrometer	4.0	13.4	86.6
0.00087	0.022	5.50	Hydrometer	2.6	10.8	89.2
0.00051	0.013	6.27	Hydrometer	2.1	8.8	91.2
0.00036	0.0092	6.76	Hydrometer	1.6	7.2	92.8
0.00026	0.0065	7.26	Hydrometer	1.0	6.2	93.8
0.00013	0.0032	8.27	Hydrometer	1.6	4.6	95.4
0.00005	0.0014	9.52	Hydrometer	1.0	3.6	96.4
			"PAN"	3.6		100.0
TOTALS				100.0		100.0

Cumulative Percent greater than (retained)			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	-2.08	0.1665	4.229
10	-1.55	0.1155	2.935
16	-0.95	0.0760	1.930
25	-0.34	0.0497	1.263
40	0.59	0.0262	0.664
50	1.13	0.0180	0.457
60	1.72	0.0120	0.304
75	2.93	0.0052	0.131
84	4.15	0.0022	0.056
90	5.81	0.0007	0.018
95	8.02	0.0002	0.004

Measure	Trask	Inman	Folk-Ward
Median, phi	1.13	1.13	1.13
Median, in.	0.0180	0.0180	0.0180
Median, mm	0.457	0.457	0.457
Mean, phi	0.52	1.60	1.44
Mean, in.	0.0274	0.0130	0.0145
Mean, mm	0.697	0.330	0.368
Sorting	3.100	2.550	2.806
Skewness	0.891	0.185	0.275
Kurtosis	0.194	0.981	1.268

Grain Size Description (ASTM-USCS Scale)	Medium sand (based on Trask Median)

Description	Retained on Sieve #	Weight Percent
Gravel	4	3.4
Coarse Sand	10	11.9
Medium Sand	40	37.0
Fine Sand	200	30.3
Silt/Clay	<200	17.5
	Total	100

Phone: (562) 347-2500 Fax: (562) 907-3610

PTS Laboratories, Inc.

Particle Size Distribution - ASTM D422: Sieve/Hydrometer

Client:	Ninyo & Moore	**PTS File No:**	47118
Project:	Hollywood-Burbank Airport	**Sample ID:**	B-17 @ 5
Project No:	210048001	**Depth, ft:**	5.4

SIEVE - HYDROMETER ANALYSIS

Opening		Phi of	U.S. Sieve	Incremental Percent	Percent	Cumulative Percent
Inches	Millimeters	Screen	No.	Finer	Finer	Retained
2.95	75.0	-6.23	3"	0.0	100.0	0.0
1.97	50.0	-5.64	2"	0.0	100.0	0.0
1.48	37.5	-5.23	1-1/2"	0.0	100.0	0.0
0.984	25.0	-4.64	1"	0.0	100.0	0.0
0.748	19.0	-4.25	3/4"	0.0	100.0	0.0
0.374	9.50	-3.25	3/8"	0.0	100.0	0.0
0.187	4.76	-2.25	4	1.1	98.9	1.1
0.0787	2.00	-1.00	10	0.2	98.7	1.3
0.0335	0.850	0.23	20	0.6	98.2	1.8
0.0166	0.420	1.25	40	3.1	95.0	5.0
0.0098	0.250	2.00	60	15.7	79.3	20.7
0.0042	0.106	3.24	140	49.7	29.6	70.4
0.0029	0.074	3.75	200	13.7	15.9	84.1
0.0014	0.036	4.81	Hydrometer	8.0	7.9	92.1
0.00090	0.023	5.45	Hydrometer	2.1	5.8	94.2
0.00052	0.013	6.24	Hydrometer	1.1	4.7	95.3
0.00037	0.0094	6.73	Hydrometer	1.1	3.7	96.3
0.00026	0.0066	7.24	Hydrometer	0.5	3.1	96.9
0.00013	0.0033	8.25	Hydrometer	0.5	2.6	97.4
0.00005	0.0014	9.51	Hydrometer	0.5	2.1	97.9
			"PAN"	2.1		100.0
TOTALS				100.0		100.0

Cumulative Percent greater than (retained)			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	1.25	0.0165	0.420
10	1.49	0.0140	0.356
16	1.78	0.0115	0.292
25	2.11	0.0091	0.232
40	2.48	0.0071	0.179
50	2.73	0.0059	0.151
60	2.98	0.0050	0.127
75	3.41	0.0037	0.094
84	3.75	0.0029	0.074
90	4.54	0.0017	0.043
95	6.05	0.0006	0.015

Measure	Trask	Inman	Folk-Ward
Median, phi	2.73	2.73	2.73
Median, in.	0.0059	0.0059	0.0059
Median, mm	0.151	0.151	0.151
Mean, phi	2.62	2.76	2.75
Mean, in.	0.0064	0.0058	0.0059
Mean, mm	0.163	0.148	0.149
Sorting	1.571	0.986	1.220
Skewness	0.980	0.032	0.208
Kurtosis	0.220	1.432	1.509

Grain Size Description (ASTM-USCS Scale)	Fine sand (based on Trask Median)

Description	Retained on Sieve #	Weight Percent
Gravel	4	1.1
Coarse Sand	10	0.2
Medium Sand	40	3.7
Fine Sand	200	79.1
Silt/Clay	<200	15.9
	Total	100

Phone: (562) 347-2500 Fax: (562) 907-3610

PTS Laboratories, Inc.

Particle Size Distribution - ASTM D422: Sieve/Hydrometer

Client:	Ninyo & Moore	**PTS File No:**	47118
Project:	Hollywood-Burbank Airport	**Sample ID:**	B-17 @ 15
Project No:	210048001	**Depth, ft:**	15.35

SIEVE - HYDROMETER ANALYSIS

Opening		Phi of	U.S. Sieve	Incremental Percent	Percent	Cumulative Percent
Inches	Millimeters	Screen	No.	Finer	Finer	Retained
2.95	75.0	-6.23	3"	0.0	100.0	0.0
1.97	50.0	-5.64	2"	0.0	100.0	0.0
1.48	37.5	-5.23	1-1/2"	0.0	100.0	0.0
0.984	25.0	-4.64	1"	0.0	100.0	0.0
0.748	19.0	-4.25	3/4"	0.0	100.0	0.0
0.374	9.50	-3.25	3/8"	3.9	96.1	3.9
0.187	4.76	-2.25	4	10.5	85.5	14.5
0.0787	2.00	-1.00	10	12.9	72.6	27.4
0.0335	0.850	0.23	20	16.4	56.3	43.7
0.0166	0.420	1.25	40	14.1	42.1	57.9
0.0098	0.250	2.00	60	10.7	31.4	68.6
0.0042	0.106	3.24	140	11.8	19.6	80.4
0.0029	0.074	3.75	200	3.6	16.1	83.9
0.0013	0.034	4.87	Hydrometer	3.6	12.5	87.5
0.00086	0.022	5.52	Hydrometer	1.7	10.8	89.2
0.00051	0.013	6.28	Hydrometer	2.5	8.3	91.7
0.00036	0.0092	6.77	Hydrometer	1.7	6.6	93.4
0.00026	0.0065	7.26	Hydrometer	0.8	5.8	94.2
0.00013	0.0032	8.27	Hydrometer	1.7	4.1	95.9
0.00005	0.0014	9.53	Hydrometer	0.8	3.3	96.7
			"PAN"	3.3		100.0
TOTALS				100.0		100.0

Cumulative Percent greater than (retained)			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	-3.15	0.3490	8.863
10	-2.67	0.2512	6.380
16	-2.10	0.1689	4.291
25	-1.23	0.0923	2.343
40	-0.05	0.0406	1.032
50	0.69	0.0245	0.622
60	1.40	0.0149	0.379
75	2.68	0.0062	0.157
84	3.77	0.0029	0.073
90	5.77	0.0007	0.018
95	7.75	0.0002	0.005

Measure	Trask	Inman	Folk-Ward
Median, phi	0.69	0.69	0.69
Median, in.	0.0245	0.0245	0.0245
Median, mm	0.622	0.622	0.622
Mean, phi	-0.32	0.83	0.78
Mean, in.	0.0492	0.0221	0.0229
Mean, mm	1.250	0.561	0.581
Sorting	3.869	2.934	3.117
Skewness	0.975	0.050	0.173
Kurtosis	0.172	0.856	1.144

Grain Size Description (ASTM-USCS Scale)	Medium sand (based on Trask Median)

Description	Retained on Sieve #	Weight Percent
Gravel	4	14.5
Coarse Sand	10	12.9
Medium Sand	40	30.5
Fine Sand	200	26.1
Silt/Clay	<200	16.1
	Total	100

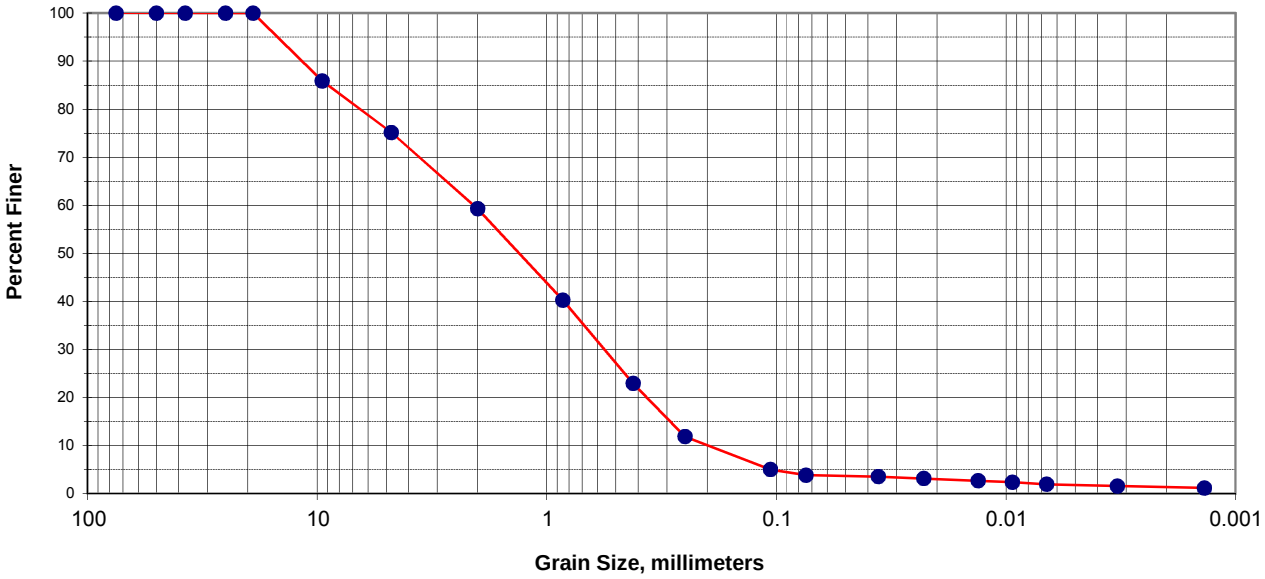
Phone: (562) 347-2500 Fax: (562) 907-3610

PTS Laboratories, Inc.

Particle Size Distribution - ASTM D422: Sieve/Hydrometer

Client:	Ninyo & Moore	**PTS File No:**	47118
Project:	Hollywood-Burbank Airport	**Sample ID:**	B-18 @ 5
Project No:	210048001	**Depth, ft:**	5.25

SIEVE - HYDROMETER ANALYSIS



Opening		Phi of	U.S. Sieve	Incremental Percent	Percent	Cumulative Percent
Inches	Millimeters	Screen	No.	Finer	Finer	Retained
2.95	75.0	-6.23	3"	0.0	100.0	0.0
1.97	50.0	-5.64	2"	0.0	100.0	0.0
1.48	37.5	-5.23	1-1/2"	0.0	100.0	0.0
0.984	25.0	-4.64	1"	0.0	100.0	0.0
0.748	19.0	-4.25	3/4"	0.0	100.0	0.0
0.374	9.50	-3.25	3/8"	14.1	85.9	14.1
0.187	4.76	-2.25	4	10.7	75.2	24.8
0.0787	2.00	-1.00	10	15.9	59.3	40.7
0.0335	0.850	0.23	20	19.1	40.2	59.8
0.0166	0.420	1.25	40	17.3	22.9	77.1
0.0098	0.250	2.00	60	11.0	11.9	88.1
0.0042	0.106	3.24	140	6.9	5.0	95.0
0.0029	0.074	3.75	200	1.2	3.8	96.2
0.0014	0.036	4.80	Hydrometer	0.3	3.5	96.5
0.00090	0.023	5.45	Hydrometer	0.4	3.1	96.9
0.00052	0.013	6.24	Hydrometer	0.5	2.6	97.4
0.00037	0.0094	6.73	Hydrometer	0.3	2.3	97.7
0.00026	0.0067	7.23	Hydrometer	0.4	1.9	98.1
0.00013	0.0033	8.25	Hydrometer	0.4	1.5	98.5
0.00005	0.0014	9.51	Hydrometer	0.4	1.2	98.8
			"PAN"	1.2		100.0
TOTALS				100.0		100.0

Cumulative Percent greater than (retained)			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	-3.89	0.5851	14.861
10	-3.54	0.4576	11.623
16	-3.07	0.3311	8.409
25	-2.24	0.1857	4.718
40	-1.06	0.0819	2.081
50	-0.40	0.0519	1.319
60	0.25	0.0332	0.842
75	1.13	0.0180	0.458
84	1.72	0.0120	0.304
90	2.33	0.0078	0.198
95	3.24	0.0042	0.106

Measure	Trask	Inman	Folk-Ward
Median, phi	-0.40	-0.40	-0.40
Median, in.	0.0519	0.0519	0.0519
Median, mm	1.319	1.319	1.319
Mean, phi	-1.37	-0.68	-0.58
Mean, in.	0.1019	0.0629	0.0590
Mean, mm	2.588	1.599	1.499
Sorting	3.209	2.395	2.278
Skewness	1.115	-0.116	-0.048
Kurtosis	0.186	0.489	0.869

Grain Size Description (ASTM-USCS Scale)	Medium sand (based on Trask Median)

Description	Retained on Sieve #	Weight Percent
Gravel	4	24.8
Coarse Sand	10	15.9
Medium Sand	40	36.4
Fine Sand	200	19.1
Silt/Clay	<200	3.8
	Total	100

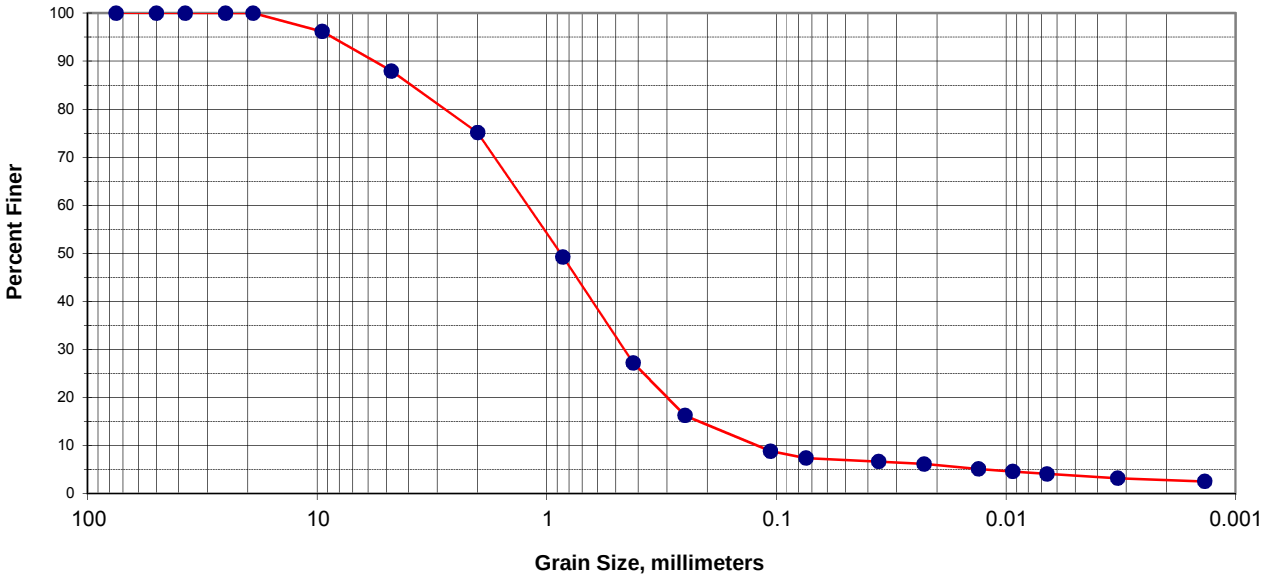
Phone: (562) 347-2500 Fax: (562) 907-3610

PTS Laboratories, Inc.

Particle Size Distribution - ASTM D422: Sieve/Hydrometer

Client:	Ninyo & Moore	**PTS File No:**	47118
Project:	Hollywood-Burbank Airport	**Sample ID:**	B-18 @ 15
Project No:	210048001	**Depth, ft:**	15.35

SIEVE - HYDROMETER ANALYSIS



Opening		Phi of	U.S. Sieve	Incremental Percent	Percent	Cumulative Percent
Inches	Millimeters	Screen	No.	Finer	Finer	Retained
2.95	75.0	-6.23	3"	0.0	100.0	0.0
1.97	50.0	-5.64	2"	0.0	100.0	0.0
1.48	37.5	-5.23	1-1/2"	0.0	100.0	0.0
0.984	25.0	-4.64	1"	0.0	100.0	0.0
0.748	19.0	-4.25	3/4"	0.0	100.0	0.0
0.374	9.50	-3.25	3/8"	3.8	96.2	3.8
0.187	4.76	-2.25	4	8.2	88.0	12.0
0.0787	2.00	-1.00	10	12.8	75.1	24.9
0.0335	0.850	0.23	20	25.9	49.3	50.7
0.0166	0.420	1.25	40	22.1	27.2	72.8
0.0098	0.250	2.00	60	11.0	16.2	83.8
0.0042	0.106	3.24	140	7.4	8.8	91.2
0.0029	0.074	3.75	200	1.4	7.4	92.6
0.0014	0.036	4.80	Hydrometer	0.7	6.7	93.3
0.00090	0.023	5.46	Hydrometer	0.5	6.1	93.9
0.00052	0.013	6.24	Hydrometer	1.0	5.1	94.9
0.00037	0.0094	6.74	Hydrometer	0.5	4.6	95.4
0.00026	0.0066	7.23	Hydrometer	0.5	4.1	95.9
0.00013	0.0033	8.26	Hydrometer	0.9	3.2	96.8
0.00005	0.0014	9.52	Hydrometer	0.7	2.5	97.5
			"PAN"	2.5		100.0
TOTALS				100.0		100.0

Cumulative Percent greater than (retained)			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	-3.11	0.3392	8.615
10	-2.50	0.2224	5.650
16	-1.86	0.1433	3.640
25	-0.99	0.0784	1.991
40	-0.28	0.0477	1.212
50	0.20	0.0343	0.871
60	0.66	0.0249	0.632
75	1.40	0.0149	0.379
84	2.04	0.0096	0.243
90	3.04	0.0048	0.121
95	6.35	0.0005	0.012

Measure	Trask	Inman	Folk-Ward
Median, phi	0.20	0.20	0.20
Median, in.	0.0343	0.0343	0.0343
Median, mm	0.871	0.871	0.871
Mean, phi	-0.24	0.09	0.12
Mean, in.	0.0467	0.0371	0.0361
Mean, mm	1.185	0.941	0.917
Sorting	2.293	1.952	2.409
Skewness	0.997	-0.057	0.122
Kurtosis	0.146	1.422	1.618

Grain Size Description (ASTM-USCS Scale)	Medium sand (based on Trask Median)

Description	Retained on Sieve #	Weight Percent
Gravel	4	12.0
Coarse Sand	10	12.8
Medium Sand	40	47.9
Fine Sand	200	19.8
Silt/Clay	<200	7.4
	Total	100

Phone: (562) 347-2500 Fax: (562) 907-3610

PTS Laboratories, Inc.

Particle Size Distribution - ASTM D422: Sieve/Hydrometer

Client:	Ninyo & Moore	**PTS File No:**	47118
Project:	Hollywood-Burbank Airport	**Sample ID:**	B-19 @ 5
Project No:	210048001	**Depth, ft:**	5.2

SIEVE - HYDROMETER ANALYSIS

Opening		Phi of	U.S. Sieve	Incremental Percent	Percent	Cumulative Percent
Inches	Millimeters	Screen	No.	Finer	Finer	Retained
2.95	75.0	-6.23	3"	0.0	100.0	0.0
1.97	50.0	-5.64	2"	0.0	100.0	0.0
1.48	37.5	-5.23	1-1/2"	0.0	100.0	0.0
0.984	25.0	-4.64	1"	0.0	100.0	0.0
0.748	19.0	-4.25	3/4"	0.0	100.0	0.0
0.374	9.50	-3.25	3/8"	1.0	99.0	1.0
0.187	4.76	-2.25	4	0.0	99.0	1.0
0.0787	2.00	-1.00	10	0.5	98.5	1.5
0.0335	0.850	0.23	20	1.8	96.7	3.3
0.0166	0.420	1.25	40	6.4	90.3	9.7
0.0098	0.250	2.00	60	13.0	77.3	22.7
0.0042	0.106	3.24	140	25.3	52.0	48.0
0.0029	0.074	3.75	200	11.5	40.5	59.5
0.0014	0.034	4.87	Hydrometer	17.8	22.7	77.3
0.00088	0.022	5.49	Hydrometer	6.5	16.2	83.8
0.00052	0.013	6.25	Hydrometer	5.7	10.5	89.5
0.00037	0.0093	6.74	Hydrometer	2.4	8.0	92.0
0.00026	0.0066	7.24	Hydrometer	0.8	7.2	92.8
0.00013	0.0033	8.26	Hydrometer	2.2	5.0	95.0
0.00005	0.0014	9.52	Hydrometer	1.1	4.0	96.0
			"PAN"	4.0		100.0
TOTALS				100.0		100.0

Cumulative Percent greater than (retained)			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	0.51	0.0277	0.704
10	1.27	0.0164	0.416
16	1.61	0.0129	0.327
25	2.11	0.0091	0.231
40	2.85	0.0055	0.139
50	3.33	0.0039	0.100
60	3.78	0.0029	0.073
75	4.72	0.0015	0.038
84	5.51	0.0009	0.022
90	6.35	0.0005	0.012
95	8.30	0.0001	0.003

Measure	Trask	Inman	Folk-Ward
Median, phi	3.33	3.33	3.33
Median, in.	0.0039	0.0039	0.0039
Median, mm	0.100	0.100	0.100
Mean, phi	2.89	3.56	3.48
Mean, in.	0.0053	0.0033	0.0035
Mean, mm	0.135	0.085	0.089
Sorting	2.468	1.950	2.156
Skewness	0.940	0.121	0.199
Kurtosis	0.240	0.998	1.225

Grain Size Description (ASTM-USCS Scale)	Fine sand (based on Trask Median)

Description	Retained on Sieve #	Weight Percent
Gravel	4	1.0
Coarse Sand	10	0.5
Medium Sand	40	8.3
Fine Sand	200	49.8
Silt/Clay	<200	40.5
	Total	100

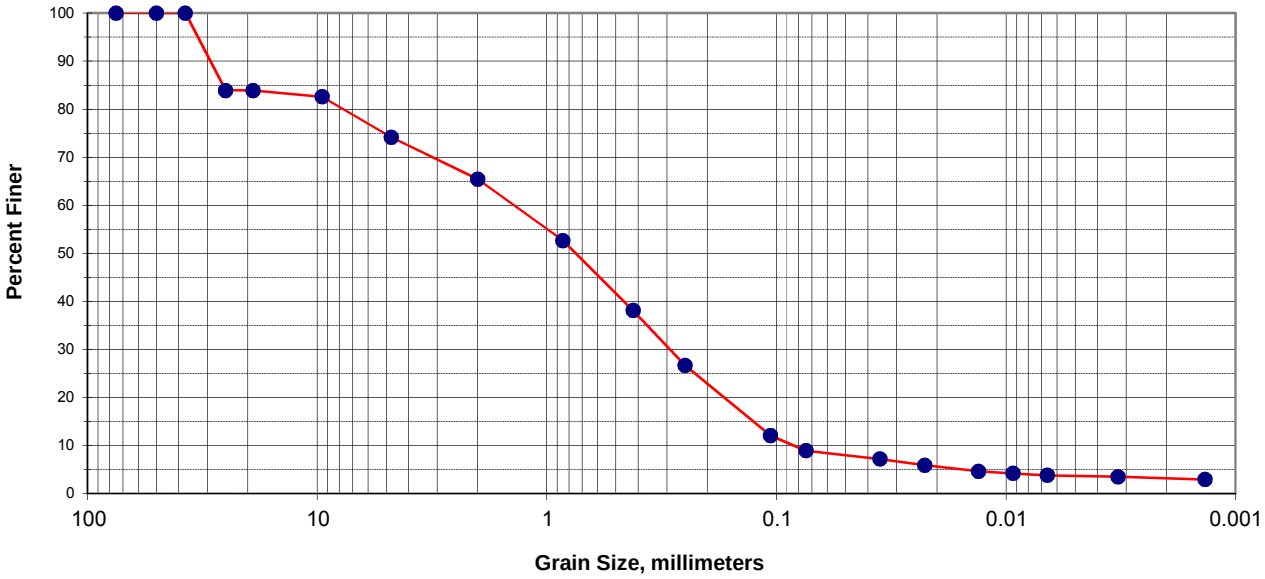
Phone: (562) 347-2500 Fax: (562) 907-3610

PTS Laboratories, Inc.

Particle Size Distribution - ASTM D422: Sieve/Hydrometer

Client:	Ninyo & Moore	**PTS File No:**	47118
Project:	Hollywood-Burbank Airport	**Sample ID:**	B-19 @ 15
Project No:	210048001	**Depth, ft:**	15.4

SIEVE - HYDROMETER ANALYSIS



Opening		Phi of	U.S. Sieve	Incremental Percent	Percent	Cumulative Percent
Inches	Millimeters	Screen	No.	Finer	Finer	Retained
2.95	75.0	-6.23	3"	0.0	100.0	0.0
1.97	50.0	-5.64	2"	0.0	100.0	0.0
1.48	37.5	-5.23	1-1/2"	0.0	100.0	0.0
0.984	25.0	-4.64	1"	16.1	83.9	16.1
0.748	19.0	-4.25	3/4"	0.0	83.9	16.1
0.374	9.50	-3.25	3/8"	1.3	82.6	17.4
0.187	4.76	-2.25	4	8.4	74.2	25.8
0.0787	2.00	-1.00	10	8.7	65.4	34.6
0.0335	0.850	0.23	20	12.8	52.6	47.4
0.0166	0.420	1.25	40	14.5	38.1	61.9
0.0098	0.250	2.00	60	11.4	26.7	73.3
0.0042	0.106	3.24	140	14.6	12.0	88.0
0.0029	0.074	3.75	200	3.1	8.9	91.1
0.0014	0.035	4.82	Hydrometer	1.8	7.2	92.8
0.00089	0.023	5.47	Hydrometer	1.3	5.9	94.1
0.00052	0.013	6.25	Hydrometer	1.3	4.6	95.4
0.00037	0.0093	6.74	Hydrometer	0.4	4.2	95.8
0.00026	0.0066	7.24	Hydrometer	0.4	3.8	96.2
0.00013	0.0033	8.26	Hydrometer	0.3	3.5	96.5
0.00005	0.0014	9.52	Hydrometer	0.6	2.9	97.1
			"PAN"	2.9		100.0
TOTALS				100.0		100.0

Cumulative Percent greater than (retained)			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	-4.92	1.1954	30.364
10	-4.62	0.9679	24.585
16	-4.25	0.7513	19.084
25	-2.35	0.2005	5.093
40	-0.48	0.0547	1.390
50	0.42	0.0294	0.748
60	1.12	0.0181	0.461
75	2.14	0.0089	0.227
84	2.90	0.0053	0.134
90	3.57	0.0033	0.084
95	6.02	0.0006	0.015

Measure	Trask	Inman	Folk-Ward
Median, phi	0.42	0.42	0.42
Median, in.	0.0294	0.0294	0.0294
Median, mm	0.748	0.748	0.748
Mean, phi	-1.41	-0.68	-0.31
Mean, in.	0.1047	0.0629	0.0488
Mean, mm	2.660	1.598	1.241
Sorting	4.740	3.578	3.447
Skewness	1.437	-0.306	-0.141
Kurtosis	0.099	0.529	0.999

Grain Size Description (ASTM-USCS Scale)	Medium sand (based on Trask Median)

Description	Retained on Sieve #	Weight Percent
Gravel	4	25.8
Coarse Sand	10	8.7
Medium Sand	40	27.3
Fine Sand	200	29.2
Silt/Clay	<200	8.9
	Total	100

Phone: (562) 347-2500 Fax: (562) 907-3610

PTS Laboratories, Inc.

Particle Size Distribution - ASTM D422: Sieve/Hydrometer

Client:	Ninyo & Moore	**PTS File No:**	47118
Project:	Hollywood-Burbank Airport	**Sample ID:**	B-20 @ 5
Project No:	210048001	**Depth, ft:**	5.25

SIEVE - HYDROMETER ANALYSIS

Opening		Phi of	U.S. Sieve	Incremental Percent	Percent	Cumulative Percent
Inches	Millimeters	Screen	No.	Finer	Finer	Retained
2.95	75.0	-6.23	3"	0.0	100.0	0.0
1.97	50.0	-5.64	2"	0.0	100.0	0.0
1.48	37.5	-5.23	1-1/2"	0.0	100.0	0.0
0.984	25.0	-4.64	1"	0.0	100.0	0.0
0.748	19.0	-4.25	3/4"	0.0	100.0	0.0
0.374	9.50	-3.25	3/8"	3.0	97.0	3.0
0.187	4.76	-2.25	4	5.9	91.1	8.9
0.0787	2.00	-1.00	10	12.7	78.4	21.6
0.0335	0.850	0.23	20	24.3	54.1	45.9
0.0166	0.420	1.25	40	24.9	29.2	70.8
0.0098	0.250	2.00	60	14.1	15.1	84.9
0.0042	0.106	3.24	140	9.3	5.8	94.2
0.0029	0.074	3.75	200	1.5	4.3	95.7
0.0014	0.037	4.77	Hydrometer	0.5	3.8	96.2
0.00091	0.023	5.43	Hydrometer	0.4	3.4	96.6
0.00053	0.013	6.22	Hydrometer	0.4	3.0	97.0
0.00038	0.0095	6.71	Hydrometer	0.4	2.6	97.4
0.00026	0.0066	7.24	Hydrometer	0.1	2.5	97.5
0.00013	0.0033	8.25	Hydrometer	0.4	2.1	97.9
0.00005	0.0014	9.51	Hydrometer	0.5	1.5	98.5
			"PAN"	1.5		100.0
TOTALS				100.0		100.0

Cumulative Percent greater than (retained)			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	-2.91	0.2956	7.507
10	-2.14	0.1734	4.404
16	-1.55	0.1153	2.928
25	-0.83	0.0699	1.774
40	-0.06	0.0412	1.045
50	0.40	0.0298	0.756
60	0.81	0.0225	0.570
75	1.47	0.0142	0.360
84	1.95	0.0102	0.258
90	2.68	0.0062	0.156
95	3.51	0.0035	0.088

Measure	Trask	Inman	Folk-Ward
Median, phi	0.40	0.40	0.40
Median, in.	0.0298	0.0298	0.0298
Median, mm	0.756	0.756	0.756
Mean, phi	-0.09	0.20	0.27
Mean, in.	0.0420	0.0342	0.0327
Mean, mm	1.067	0.870	0.830
Sorting	2.220	1.751	1.848
Skewness	1.057	-0.115	-0.073
Kurtosis	0.166	0.833	1.143

Grain Size Description (ASTM-USCS Scale)	Medium sand (based on Trask Median)

Description	Retained on Sieve #	Weight Percent
Gravel	4	8.9
Coarse Sand	10	12.7
Medium Sand	40	49.2
Fine Sand	200	24.9
Silt/Clay	<200	4.3
	Total	100

Phone: (562) 347-2500 Fax: (562) 907-3610

PTS Laboratories, Inc.

Particle Size Distribution - ASTM D422: Sieve/Hydrometer

Client:	Ninyo & Moore	**PTS File No:**	47118
Project:	Hollywood-Burbank Airport	**Sample ID:**	B-20 @ 15
Project No:	210048001	**Depth, ft:**	15.4

SIEVE - HYDROMETER ANALYSIS

Opening		Phi of	U.S. Sieve	Incremental Percent	Percent	Cumulative Percent
Inches	Millimeters	Screen	No.	Finer	Finer	Retained
2.95	75.0	-6.23	3"	0.0	100.0	0.0
1.97	50.0	-5.64	2"	0.0	100.0	0.0
1.48	37.5	-5.23	1-1/2"	0.0	100.0	0.0
0.984	25.0	-4.64	1"	0.0	100.0	0.0
0.748	19.0	-4.25	3/4"	0.0	100.0	0.0
0.374	9.50	-3.25	3/8"	1.8	98.2	1.8
0.187	4.76	-2.25	4	5.9	92.3	7.7
0.0787	2.00	-1.00	10	17.3	75.0	25.0
0.0335	0.850	0.23	20	20.0	55.1	44.9
0.0166	0.420	1.25	40	17.8	37.3	62.7
0.0098	0.250	2.00	60	10.5	26.8	73.2
0.0042	0.106	3.24	140	10.8	16.0	84.0
0.0029	0.074	3.75	200	2.8	13.2	86.8
0.0014	0.035	4.84	Hydrometer	3.1	10.0	90.0
0.00088	0.022	5.49	Hydrometer	1.5	8.5	91.5
0.00051	0.013	6.26	Hydrometer	1.9	6.6	93.4
0.00036	0.0092	6.77	Hydrometer	0.6	6.0	94.0
0.00025	0.0065	7.27	Hydrometer	0.8	5.3	94.7
0.00013	0.0032	8.27	Hydrometer	1.4	3.9	96.1
0.00005	0.0014	9.53	Hydrometer	0.9	3.0	97.0
			"PAN"	3.0		100.0
TOTALS				100.0		100.0

Cumulative Percent greater than (retained)			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	-2.71	0.2572	6.532
10	-2.08	0.1669	4.239
16	-1.65	0.1235	3.136
25	-1.00	0.0786	1.996
40	-0.07	0.0414	1.051
50	0.52	0.0274	0.696
60	1.09	0.0184	0.468
75	2.21	0.0085	0.217
84	3.24	0.0042	0.106
90	4.86	0.0014	0.034
95	7.45	0.0002	0.006

Measure	Trask	Inman	Folk-Ward
Median, phi	0.52	0.52	0.52
Median, in.	0.0274	0.0274	0.0274
Median, mm	0.696	0.696	0.696
Mean, phi	-0.15	0.79	0.70
Mean, in.	0.0436	0.0227	0.0242
Mean, mm	1.107	0.577	0.614
Sorting	3.035	2.443	2.761
Skewness	0.945	0.111	0.237
Kurtosis	0.212	1.079	1.300

Grain Size Description (ASTM-USCS Scale)	Medium sand (based on Trask Median)

Description	Retained on Sieve #	Weight Percent
Gravel	4	7.7
Coarse Sand	10	17.3
Medium Sand	40	37.8
Fine Sand	200	24.1
Silt/Clay	<200	13.2
	Total	100

Phone: (562) 347-2500 Fax: (562) 907-3610

PTS Laboratories, Inc.

Particle Size Distribution - ASTM D422: Sieve/Hydrometer

Client:	Ninyo & Moore	**PTS File No:**	47118
Project:	Hollywood-Burbank Airport	**Sample ID:**	B-22 @ 5
Project No:	210048001	**Depth, ft:**	5.25

SIEVE - HYDROMETER ANALYSIS

Opening		Phi of	U.S. Sieve	Incremental Percent	Percent	Cumulative Percent
Inches	Millimeters	Screen	No.	Finer	Finer	Retained
2.95	75.0	-6.23	3"	0.0	100.0	0.0
1.97	50.0	-5.64	2"	0.0	100.0	0.0
1.48	37.5	-5.23	1-1/2"	0.0	100.0	0.0
0.984	25.0	-4.64	1"	0.0	100.0	0.0
0.748	19.0	-4.25	3/4"	0.0	100.0	0.0
0.374	9.50	-3.25	3/8"	0.0	100.0	0.0
0.187	4.76	-2.25	4	0.5	99.5	0.5
0.0787	2.00	-1.00	10	1.9	97.7	2.3
0.0335	0.850	0.23	20	5.3	92.3	7.7
0.0166	0.420	1.25	40	16.2	76.1	23.9
0.0098	0.250	2.00	60	17.9	58.2	41.8
0.0042	0.106	3.24	140	31.9	26.4	73.6
0.0029	0.074	3.75	200	8.5	17.9	82.1
0.0014	0.036	4.81	Hydrometer	8.7	9.2	90.8
0.00090	0.023	5.45	Hydrometer	2.0	7.2	92.8
0.00052	0.013	6.23	Hydrometer	2.0	5.3	94.7
0.00037	0.0093	6.74	Hydrometer	0.3	4.9	95.1
0.00026	0.0066	7.24	Hydrometer	0.5	4.4	95.6
0.00013	0.0033	8.26	Hydrometer	1.3	3.1	96.9
0.00005	0.0014	9.52	Hydrometer	0.6	2.4	97.6
			"PAN"	2.4		100.0
TOTALS				100.0		100.0

Cumulative Percent greater than (retained)			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	-0.38	0.0512	1.301
10	0.38	0.0302	0.768
16	0.76	0.0233	0.592
25	1.30	0.0160	0.407
40	1.93	0.0104	0.263
50	2.32	0.0079	0.200
60	2.71	0.0060	0.153
75	3.32	0.0039	0.100
84	3.98	0.0025	0.063
90	4.72	0.0015	0.038
95	6.61	0.0004	0.010

Measure	Trask	Inman	Folk-Ward
Median, phi	2.32	2.32	2.32
Median, in.	0.0079	0.0079	0.0079
Median, mm	0.200	0.200	0.200
Mean, phi	1.98	2.37	2.35
Mean, in.	0.0100	0.0076	0.0077
Mean, mm	0.253	0.193	0.196
Sorting	2.016	1.613	1.866
Skewness	1.007	0.031	0.129
Kurtosis	0.210	1.167	1.416
Grain Size Description (ASTM-USCS Scale)		Fine sand (based on Trask Median)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.5
Coarse Sand	10	1.9
Medium Sand	40	21.5
Fine Sand	200	58.2
Silt/Clay	<200	17.9
	Total	100

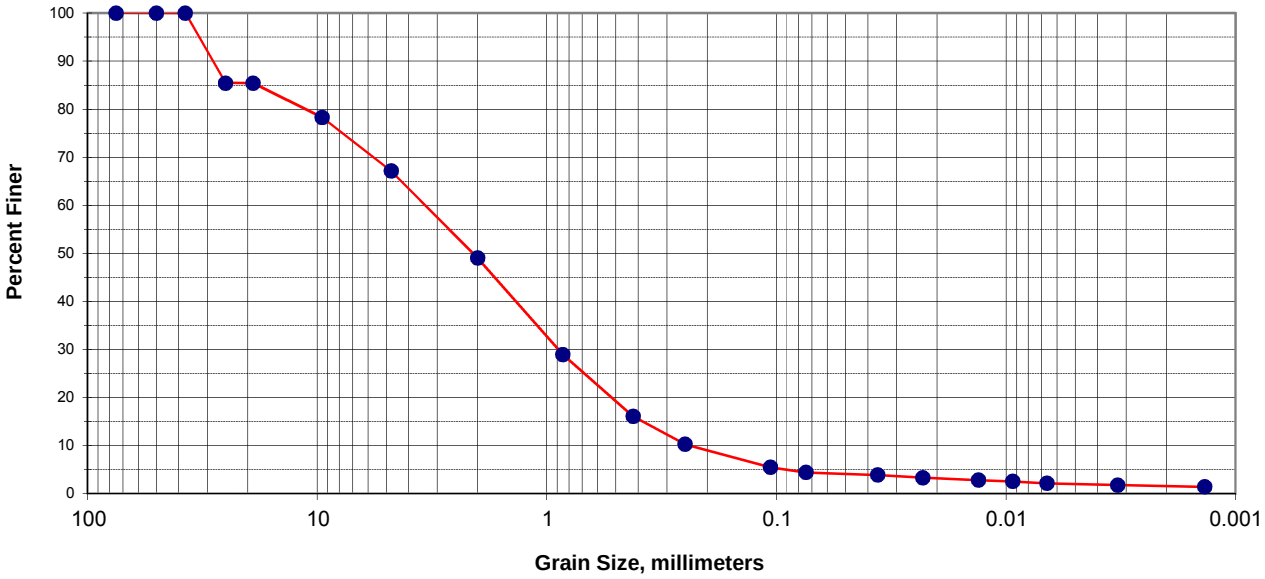
Phone: (562) 347-2500 Fax: (562) 907-3610

PTS Laboratories, Inc.

Particle Size Distribution - ASTM D422: Sieve/Hydrometer

Client:	Ninyo & Moore	**PTS File No:**	47118
Project:	Hollywood-Burbank Airport	**Sample ID:**	B-22 @ 15
Project No:	210048001	**Depth, ft:**	15.6

SIEVE - HYDROMETER ANALYSIS



Opening		Phi of	U.S. Sieve	Incremental Percent	Percent	Cumulative Percent
Inches	Millimeters	Screen	No.	Finer	Finer	Retained
2.95	75.0	-6.23	3"	0.0	100.0	0.0
1.97	50.0	-5.64	2"	0.0	100.0	0.0
1.48	37.5	-5.23	1-1/2"	0.0	100.0	0.0
0.984	25.0	-4.64	1"	14.6	85.4	14.6
0.748	19.0	-4.25	3/4"	0.0	85.4	14.6
0.374	9.50	-3.25	3/8"	7.1	78.3	21.7
0.187	4.76	-2.25	4	11.2	67.1	32.9
0.0787	2.00	-1.00	10	18.1	49.0	51.0
0.0335	0.850	0.23	20	20.1	28.9	71.1
0.0166	0.420	1.25	40	12.9	16.0	84.0
0.0098	0.250	2.00	60	5.8	10.2	89.8
0.0042	0.106	3.24	140	4.8	5.5	94.5
0.0029	0.074	3.75	200	1.1	4.4	95.6
0.0014	0.036	4.79	Hydrometer	0.5	3.9	96.1
0.00091	0.023	5.44	Hydrometer	0.6	3.3	96.7
0.00052	0.013	6.24	Hydrometer	0.5	2.8	97.2
0.00037	0.0094	6.74	Hydrometer	0.3	2.5	97.5
0.00026	0.0066	7.23	Hydrometer	0.4	2.1	97.9
0.00013	0.0033	8.26	Hydrometer	0.4	1.8	98.2
0.00005	0.0014	9.52	Hydrometer	0.4	1.4	98.6
			"PAN"	1.4		100.0
TOTALS				100.0		100.0

Cumulative Percent greater than (retained)			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	-4.89	1.1692	29.697
10	-4.56	0.9259	23.518
16	-4.05	0.6512	16.540
25	-2.95	0.3050	7.748
40	-1.76	0.1332	3.383
50	-1.07	0.0826	2.097
60	-0.45	0.0537	1.363
75	0.54	0.0270	0.687
84	1.25	0.0165	0.419
90	2.06	0.0094	0.239
95	3.46	0.0036	0.091

Measure	Trask	Inman	Folk-Ward
Median, phi	-1.07	-1.07	-1.07
Median, in.	0.0826	0.0826	0.0826
Median, mm	2.097	2.097	2.097
Mean, phi	-2.08	-1.40	-1.29
Mean, in.	0.1660	0.1037	0.0961
Mean, mm	4.217	2.633	2.441
Sorting	3.359	2.651	2.591
Skewness	1.100	-0.124	-0.020
Kurtosis	0.152	0.575	0.979

Grain Size Description (ASTM-USCS Scale)	Coarse sand (based on Trask Median)

Description	Retained on Sieve #	Weight Percent
Gravel	4	32.9
Coarse Sand	10	18.1
Medium Sand	40	33.0
Fine Sand	200	11.6
Silt/Clay	<200	4.4
	Total	100

Phone: (562) 347-2500 Fax: (562) 907-3610

PTS Laboratories, Inc.

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

COMPANY				PO#
NINYO & MOORE				
ADDRESS	CITY		ZIP CODE	TURNAROUND TIME
475 GODDARD, STE 200	IRVINE		92618	24 HOURS ☐ 5 DAYS ☐
PROJECT MANAGER				48 HOURS ☐ NORMAL ☑
JENNIFER SCHMIDT	ex. 12251			72 HOURS ☐
PROJECT NAME		PHONE NUMBER		OTHER:
HOLLYWOOD-BURBANK AIRPORT		949 753 7070		SAMPLE INTEGRITY (CHECK):
PROJECT NUMBER		FAX NUMBER		INTACT X ON ICE 71
210048001				PTS QUOTE NO.
SITE LOCATION				
BURBANK, CA				PTS FILE: 47118
SAMPLER SIGNATURE				

ANALYSIS REQUEST

SAMPLE ID NUMBER	DATE	TIME	DEPTH, FT	NUMBER OF SAMPLES	SOIL PROPERTIES PACKAGE	HYDRAULIC CONDUCTIVITY PACKAGE	PORE FLUID SATURATIONS PACKAGE	TCEQ/TNRCC PROPERTIES PACKAGE	CAPILLARITY PACKAGE	FLUID PROPERTIES PACKAGE	PHOTOLOG: CORE PHOTOGRAPHY	MOISTURE CONTENT, ASTM D2216	POROSITY: TOTAL, API RP40	POROSITY: EFFECTIVE, ASTM D425M	SPECIFIC GRAVITY, ASTM D854	BULK DENSITY (DRY), API RP40 or ASTM D2937	AIR PERMEABILITY, API RP40	HYDRAULIC CONDUCTIVITY, EPA9100, API RP40, D5084	GRAIN SIZE DISTRIBUTION, ASTM D422/4464M	TOC: WALKLEY-BLACK	ATTERBERG LIMITS, ASTM D4318	Per Quote Q17-048-T pending email confirmation			COMMENTS
B-16 @ 5	2/24/17		5-6																		X			Two 6-inch sleeves
B-16 @ 15	2/24/17		15-16																		X			Two 6-inch sleeves
B-17 @ 5	2/23/17		5-6																		X			Two 6-inch sleeves
B-17 @ 15	2/23/17		15-16																		X			Two 6-inch sleeves
B-18 @ 5	2/28/17		5-6																		X			Two 6-inch sleeves
B-18 @ 15	2/28/17		15-16																		X			Two 6-inch sleeves
B-19 @ 5	3/1/17		5-6																		X			Two 6-inch sleeves
B-19 @ 15	3/1/17		15-16																		X			Two 6-inch sleeves
B-20 @ 5	3/1/17		5-6																		X			Two 6-inch sleeves
B-20 @ 15	3/1/17		15-16																		X			Two 6-inch sleeves
B-22 @ 5	2/22/17		5-6																		X			Two 6-inch sleeves

1. RELINQUISHED BY	2. RECEIVED BY	3. RELINQUISHED BY	4. RECEIVED BY
COMPANY: NINYO & MOORE	COMPANY: Ninyo & Moore	COMPANY: Ninyo & Moore	COMPANY: PTS LABS
DATE: 3/16/17 TIME: 9:45 a.m.	DATE: 3/16/17 TIME: 0945 hrs.	DATE: 3/16/17 TIME: 1047 hrs	DATE: 3/16/17 TIME: 1047

Page 2 of 2

PTS Laboratories, Inc.

CHAIN OF CUSTODY RECORD

COMPANY: NINYO & MOORE

ADDRESS: 475 GODDARD, STE 200 | CITY: IRVINE | ZIP CODE: 92618

PROJECT MANAGER: JENNIFER SCHMIDT x.12251

PROJECT NAME: HOLLYWOOD-BURBANK AIRPORT | PHONE NUMBER: 949 753 7070

PROJECT NUMBER: 210048001 | FAX NUMBER:

SITE LOCATION: BURBANK, CA

SAMPLER SIGNATURE:

PO#:

TURNAROUND TIME
- 24 HOURS ☐
- 48 HOURS ☐
- 72 HOURS ☐
- 5 DAYS ☐
- NORMAL ☑
- OTHER: _____

SAMPLE INTEGRITY (CHECK): INTACT X | ON ICE 71

PTS QUOTE NO.:

PTS FILE: 47118

ANALYSIS REQUEST

SAMPLE ID NUMBER	DATE	TIME	DEPTH, FT	NUMBER OF SAMPLES	SOIL PROPERTIES PACKAGE	HYDRAULIC CONDUCTIVITY PACKAGE	PORE FLUID SATURATIONS PACKAGE	TCEQ/TNRCC PROPERTIES PACKAGE	CAPILLARITY PACKAGE	FLUID PROPERTIES PACKAGE	PHOTOLOG: CORE PHOTOGRAPHY	MOISTURE CONTENT, ASTM D2216	POROSITY: TOTAL, API RP40	POROSITY: EFFECTIVE, ASTM D425M	SPECIFIC GRAVITY, ASTM D854	BULK DENSITY (DRY), API RP40 or ASTM D2937	AIR PERMEABILITY, API RP40	HYDRAULIC CONDUCTIVITY, EPA9100, API RP40, D5084	GRAIN SIZE DISTRIBUTION, ASTM D422/4464M	TOC: WALKLEY-BLACK	ATTERBERG LIMITS, ASTM D4318	per Quote Q17-048 — pending email confirmation	COMMENTS
B-22 @ 15.5	2/22/17		15.5-16.5																			X	

1. RELINQUISHED BY	2. RECEIVED BY	3. RELINQUISHED BY	4. RECEIVED BY
COMPANY: NINYO & MOORE	COMPANY: Ninyo & Moore	COMPANY: Ninyo & Moore	COMPANY: PTS LABS
DATE: 3/6/17 TIME: 9:45 a.m.	DATE: 3/6/17 TIME: 0945 hrs.	DATE: 3/6/17 TIME: 1047 hrs	DATE: 3/6/17 TIME: 1047

PTS Laboratories, Inc. • 8100 Secura Way • Santa Fe Springs, CA 90670 • Phone (562) 347-2500 • Fax (562) 907-3610
PTS Laboratories, Inc. • 4342 W. 12th St. • Houston, TX 77055 • Phone (713) 316-1800 • Fax (713) 316-1882