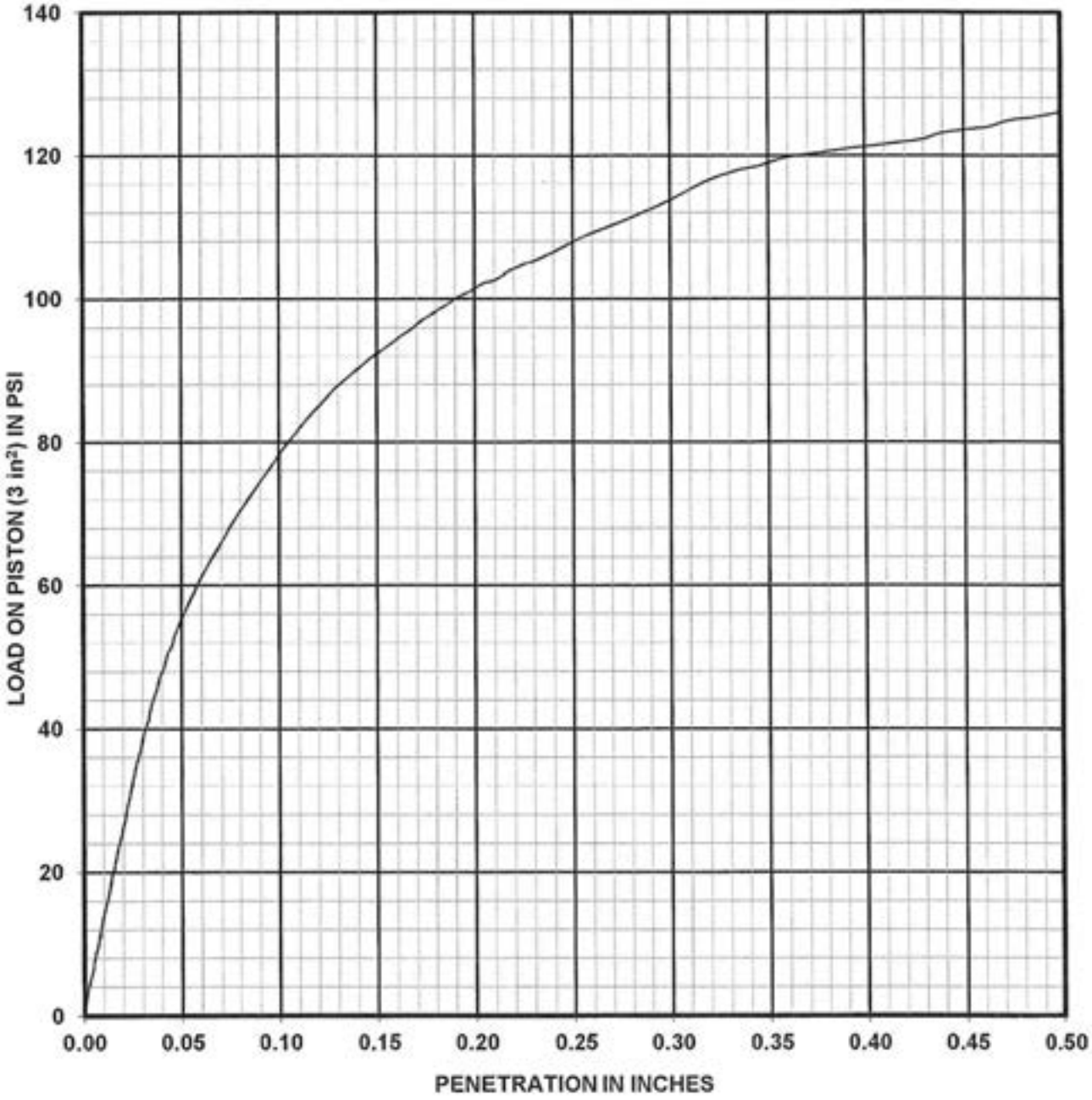
Applied Geotechnical Engineering Consultants, Inc.



Sample of Clayey Gravel with Sand (GC)
Location: TP 1-1 at 1' to 2' CS #: 13255
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99D, Scalp & Replace

Sample penetration after soaking for 89 hours

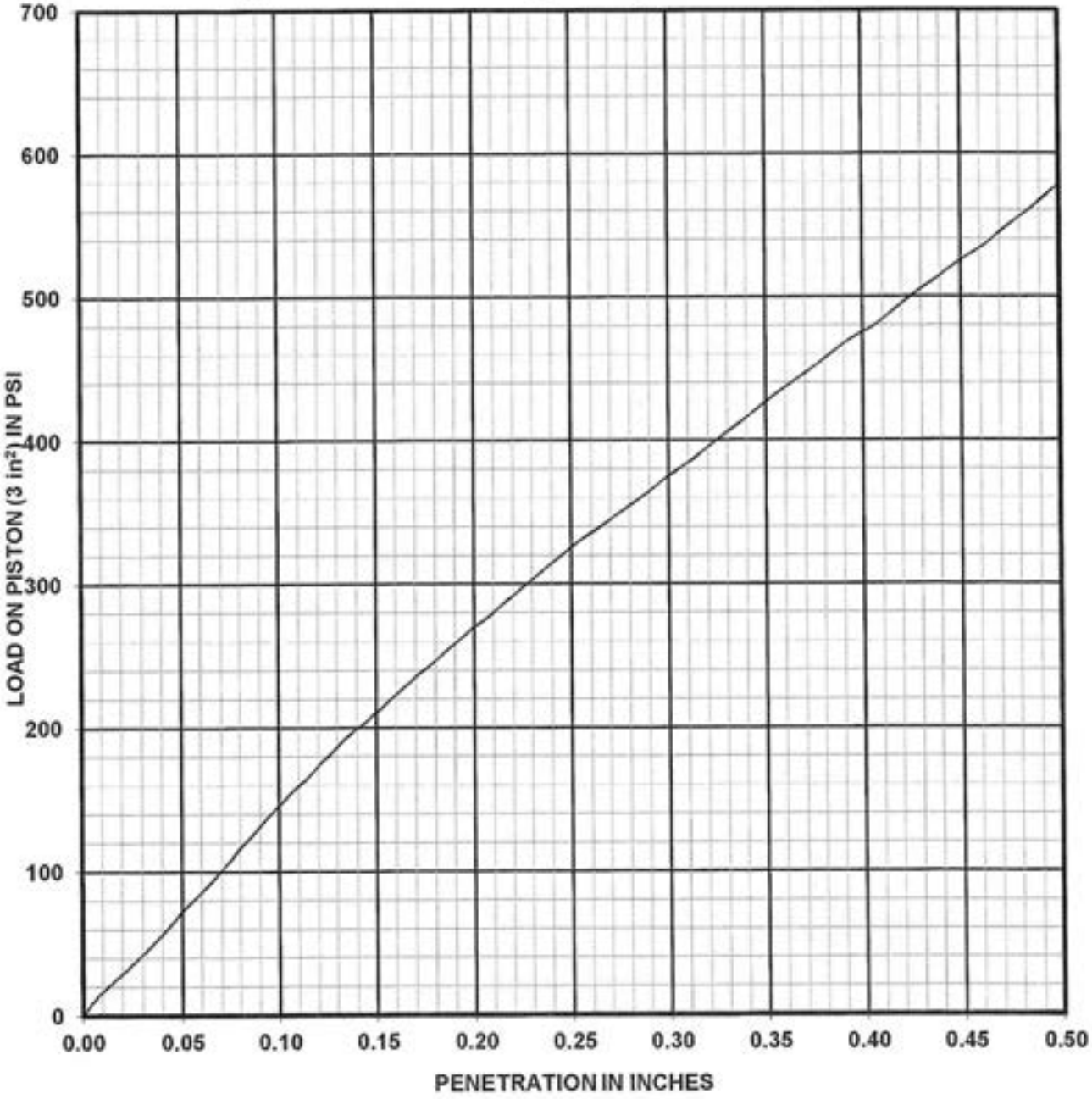
Dry Density: as molded 104 pcf
after soaking 103 pcf
Swell: after soaking 0.5 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 19 percent
top 1-inch after soaking 24 percent
average after soaking 23 percent

Bearing Ratio of Sample, CBR = 5.9* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 95

Applied Geotechnical Engineering Consultants, Inc.



Sample of Clayey Sand with Gravel (SC)
Location: TP 1-2 at 1' to 2' CS #: 13256
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99D, Scalp & Replace

Sample penetration after soaking for 89 hours

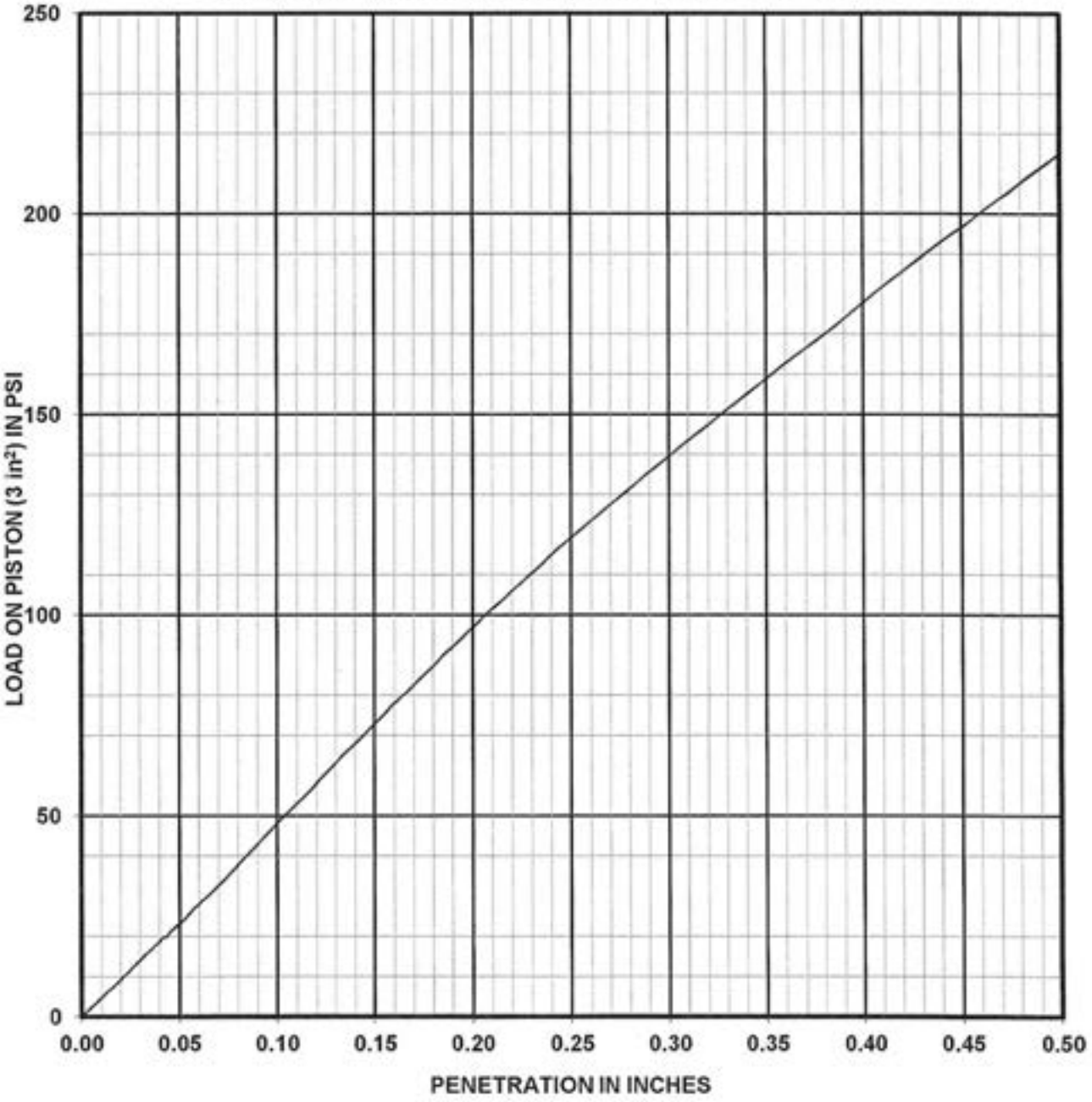
Dry Density: as molded 117 pcf
after soaking 118 pcf
Swell: after soaking 0.0 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 12 percent
top 1-inch after soaking 13 percent
average after soaking 13 percent

Bearing Ratio of Sample, CBR = 14* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 96

Applied Geotechnical Engineering Consultants, Inc.



Sample of Silt (ML)
Location: TP 1-3 at 1' to 2' CS #: 13257
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 86 hours

Dry Density:	as molded	94 pcf	Moisture Content:	as molded	26 percent
	after soaking	95 pcf		top 1-inch after soaking	26 percent
Swell:	after soaking	0.1 percent		average after soaking	25 percent

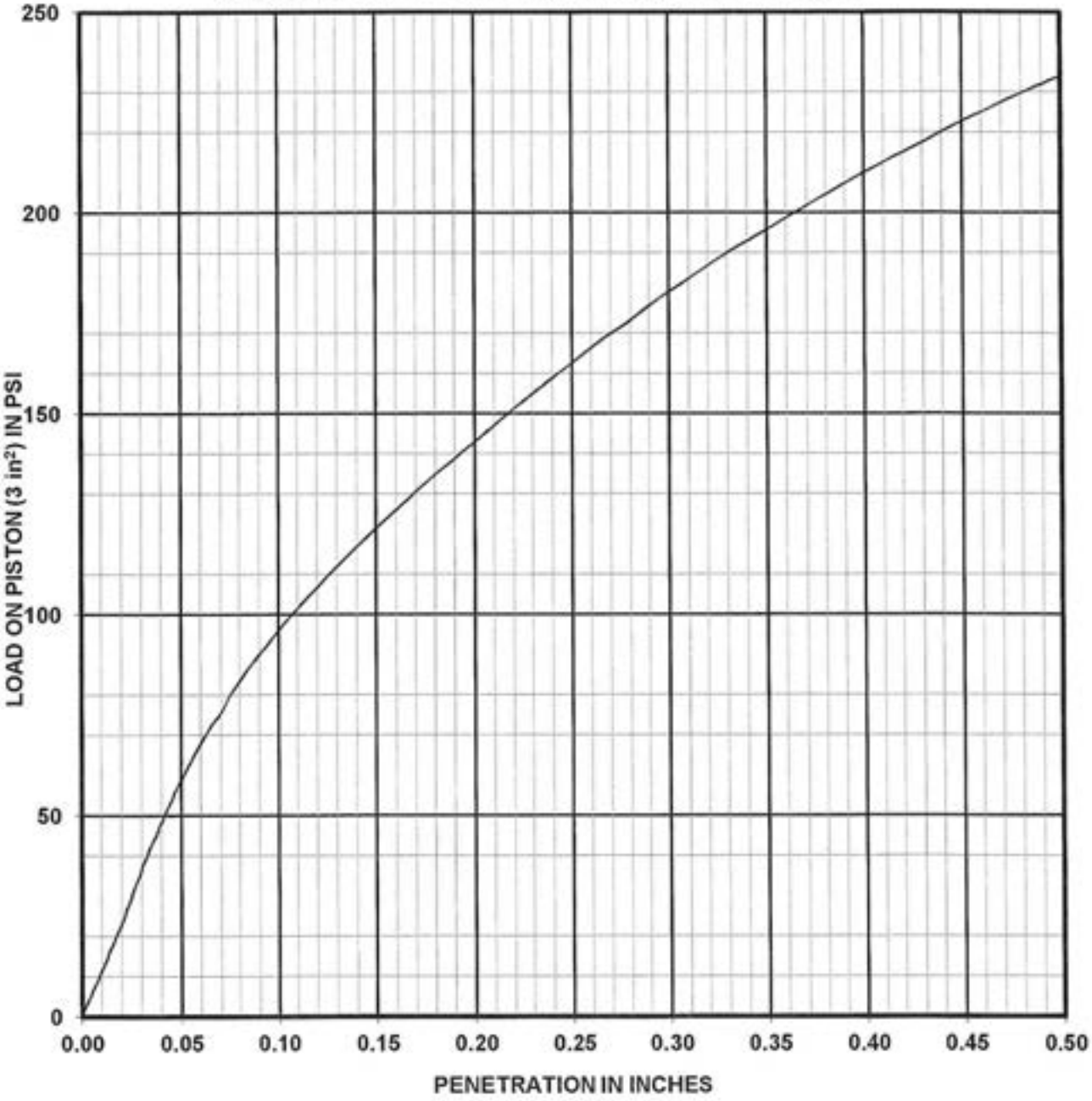
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR = 3.2*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 97

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: TP 1-4 at 1' to 2' CS #: 13258
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 92 hours

Dry Density: as molded 109 pcf
after soaking 110 pcf
Swell: after soaking 0.1 percent

Moisture Content: as molded 17 percent
top 1-inch after soaking 17 percent
average after soaking 17 percent

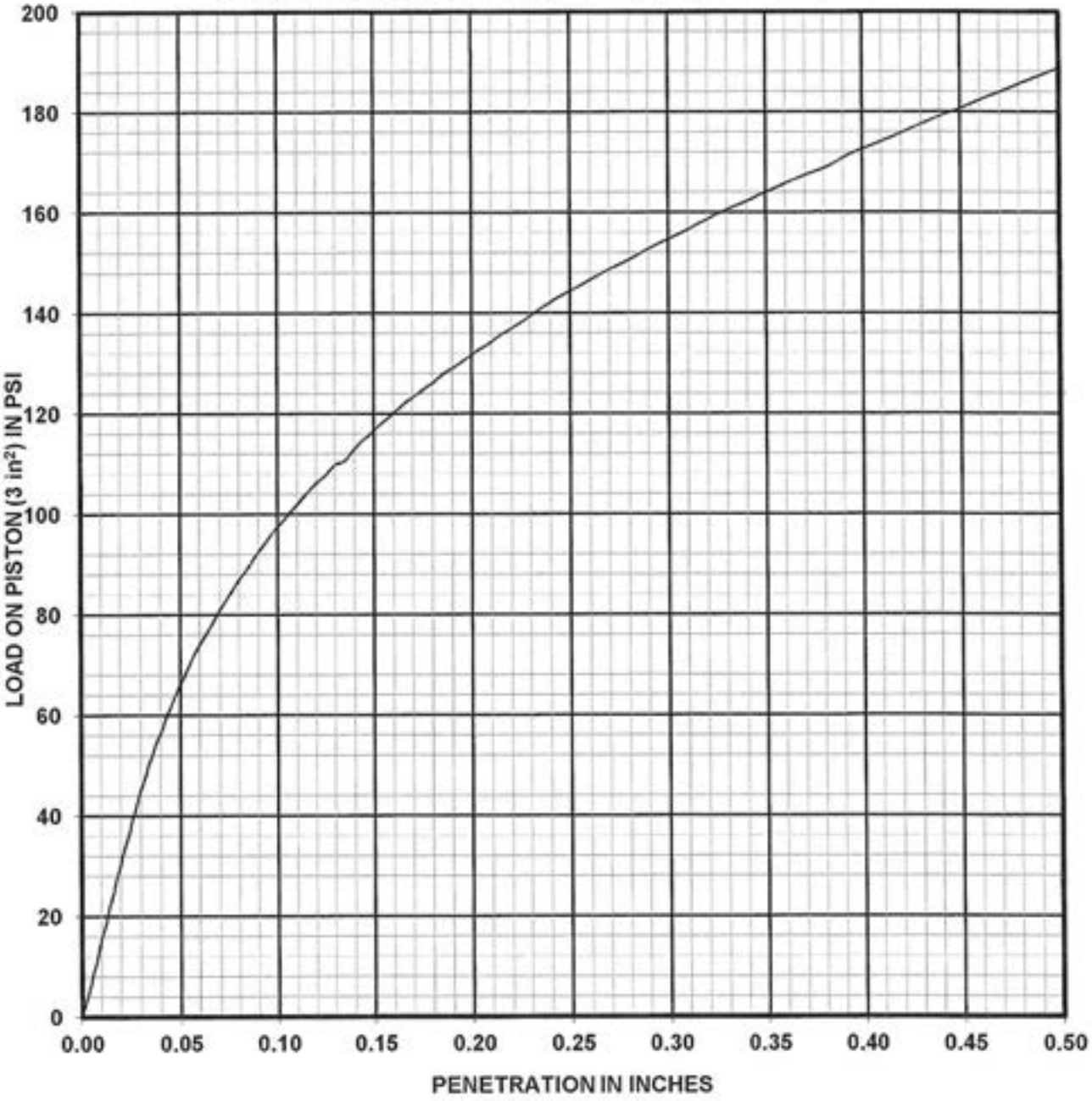
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 5.8* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 9B

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: TP 1-5 at 1' to 2' CS #: 13259
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 94 hours

Dry Density: as molded 107 pcf
after soaking 107 pcf
Swell: after soaking 0.2 percent

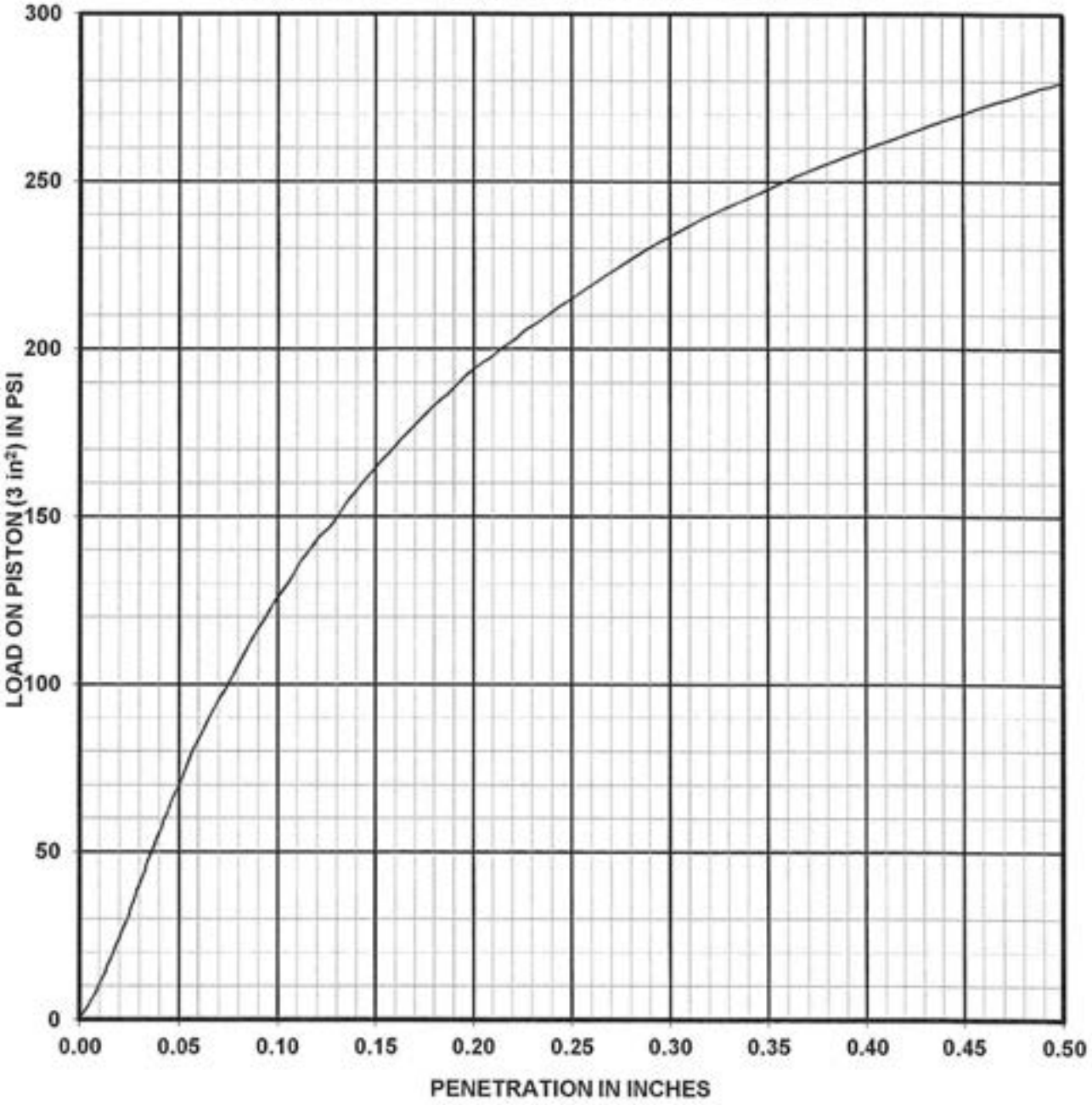
Moisture Content: as molded 16 percent
top 1-inch after soaking 18 percent
average after soaking 18 percent

(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 5.6* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 99

Applied Geotechnical Engineering Consultants, Inc.



Sample of Silty Sand (SM)
Location: TP 1-6 at 1' to 2' CS #: 13260
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 92 hours

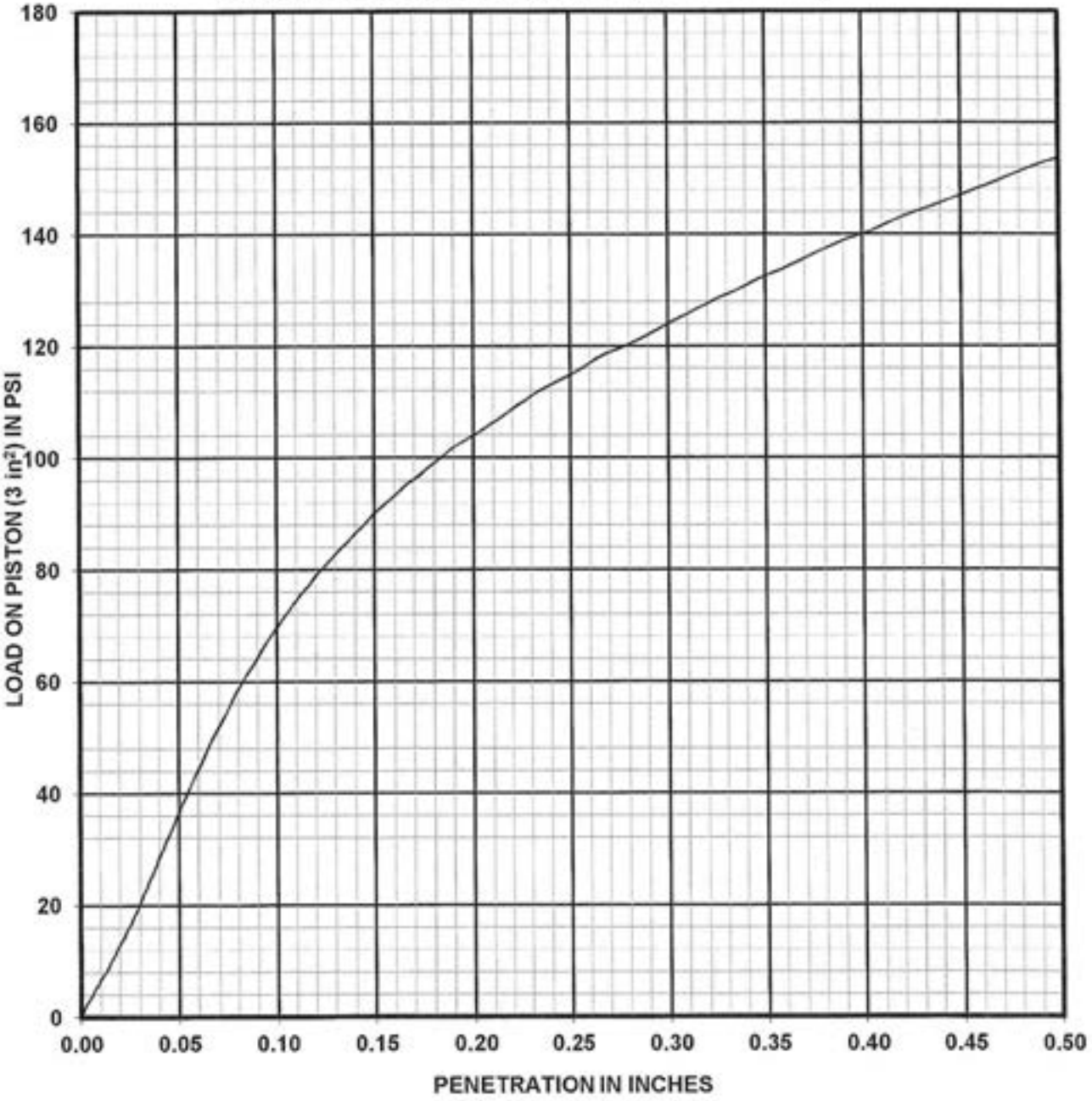
Dry Density: as molded 109 pcf
after soaking 111 pcf
Swell: after soaking 0.6 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 16 percent
top 1-inch after soaking 16 percent
average after soaking 16 percent

Bearing Ratio of Sample, CBR = 9.7* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 100

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: TP 1-7 at 1' to 2' CS #: 13268
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 90 hours

Dry Density: as molded 91 pcf
after soaking 91 pcf

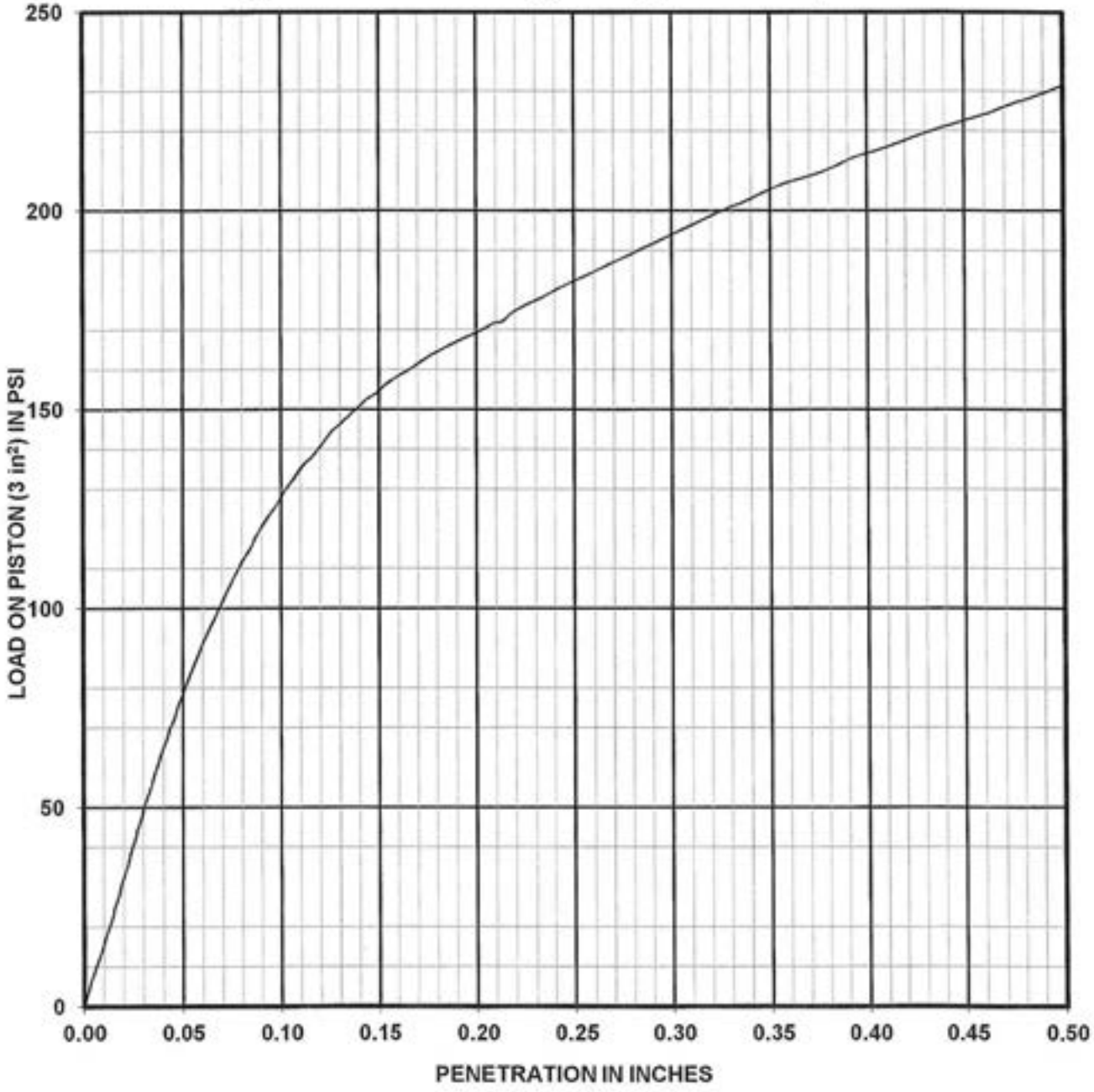
Moisture Content: as molded 27 percent
top 1-inch after soaking 30 percent
average after soaking 30 percent

Swell: after soaking 0.7 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 3.5* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 101

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: TP 1-8 at 1' to 2' CS#: 13269
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 94 hours

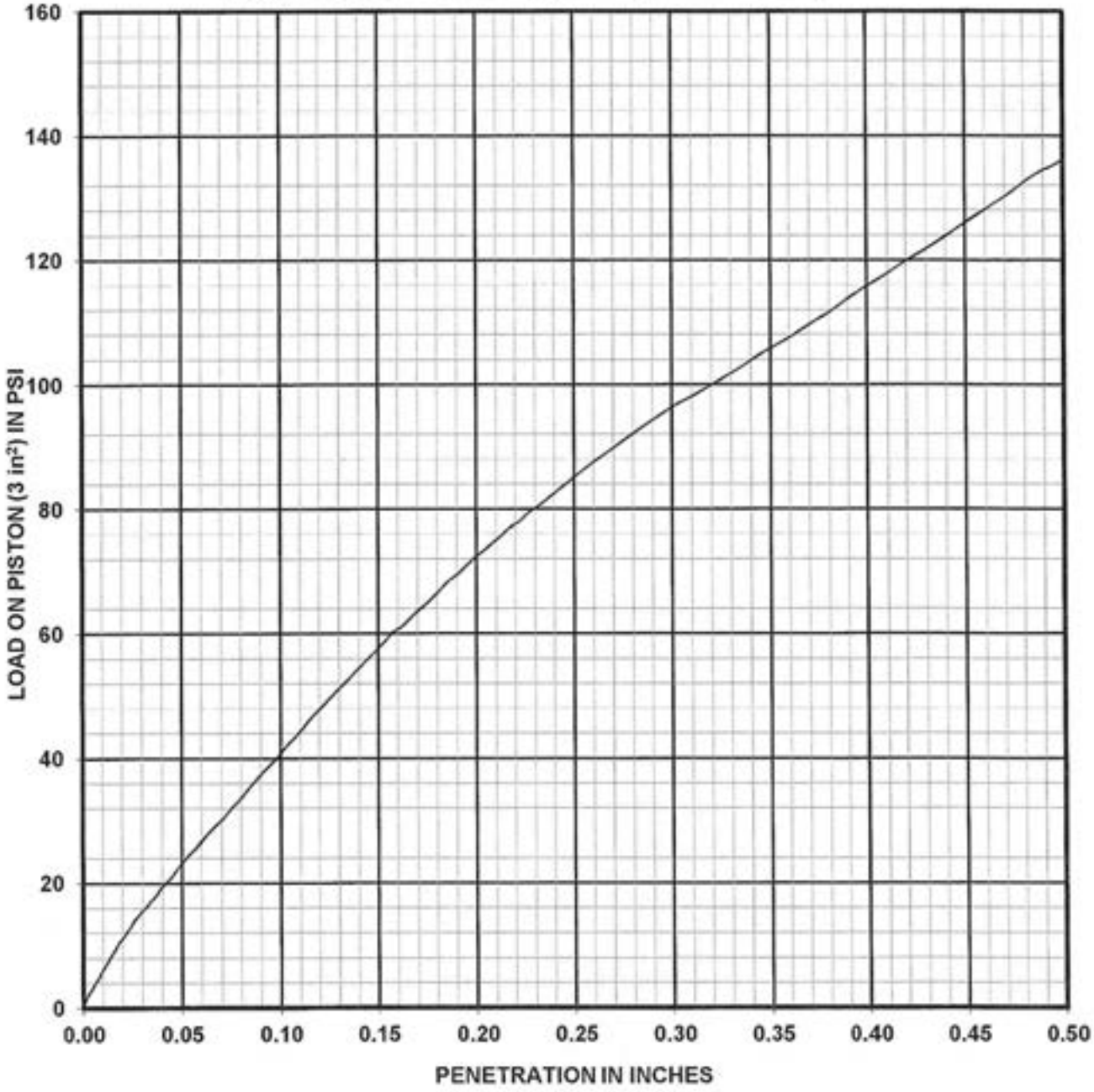
Dry Density: as molded 107 pcf
after soaking 109 pcf
Swell: after soaking 0.5 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 16 percent
top 1-inch after soaking 18 percent
average after soaking 17 percent

Bearing Ratio of Sample, **CBR =** 7.6* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 102

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: TP 1-9 at 1' to 2' CS#: 13270
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 91 hours

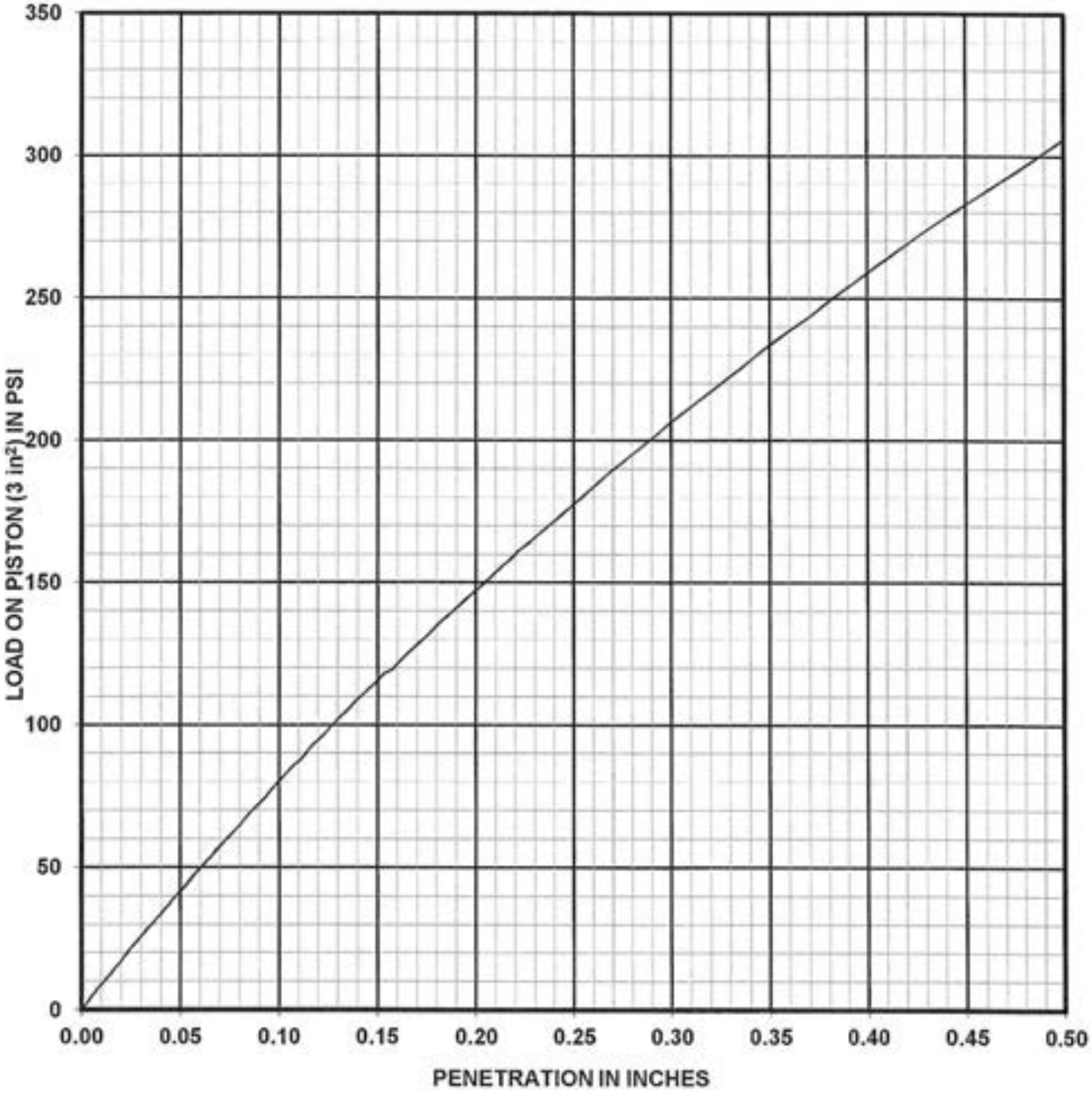
Dry Density: as molded 105 pcf
after soaking 107 pcf
Swell: after soaking 0.1 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 18 percent
top 1-inch after soaking 18 percent
average after soaking 18 percent

Bearing Ratio of Sample, CBR = 2.4* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 103

Applied Geotechnical Engineering Consultants, Inc.



Sample of Silty Sand (SM)
Location: TP 1-10 at 1' to 2' CS#: 13271
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 89 hours

Dry Density:	as molded	109 pcf	Moisture Content:	as molded	17	percent
	after soaking	111 pcf		top 1-inch after soaking	17	percent
Swell:	after soaking	0.0 percent		average after soaking	17	percent

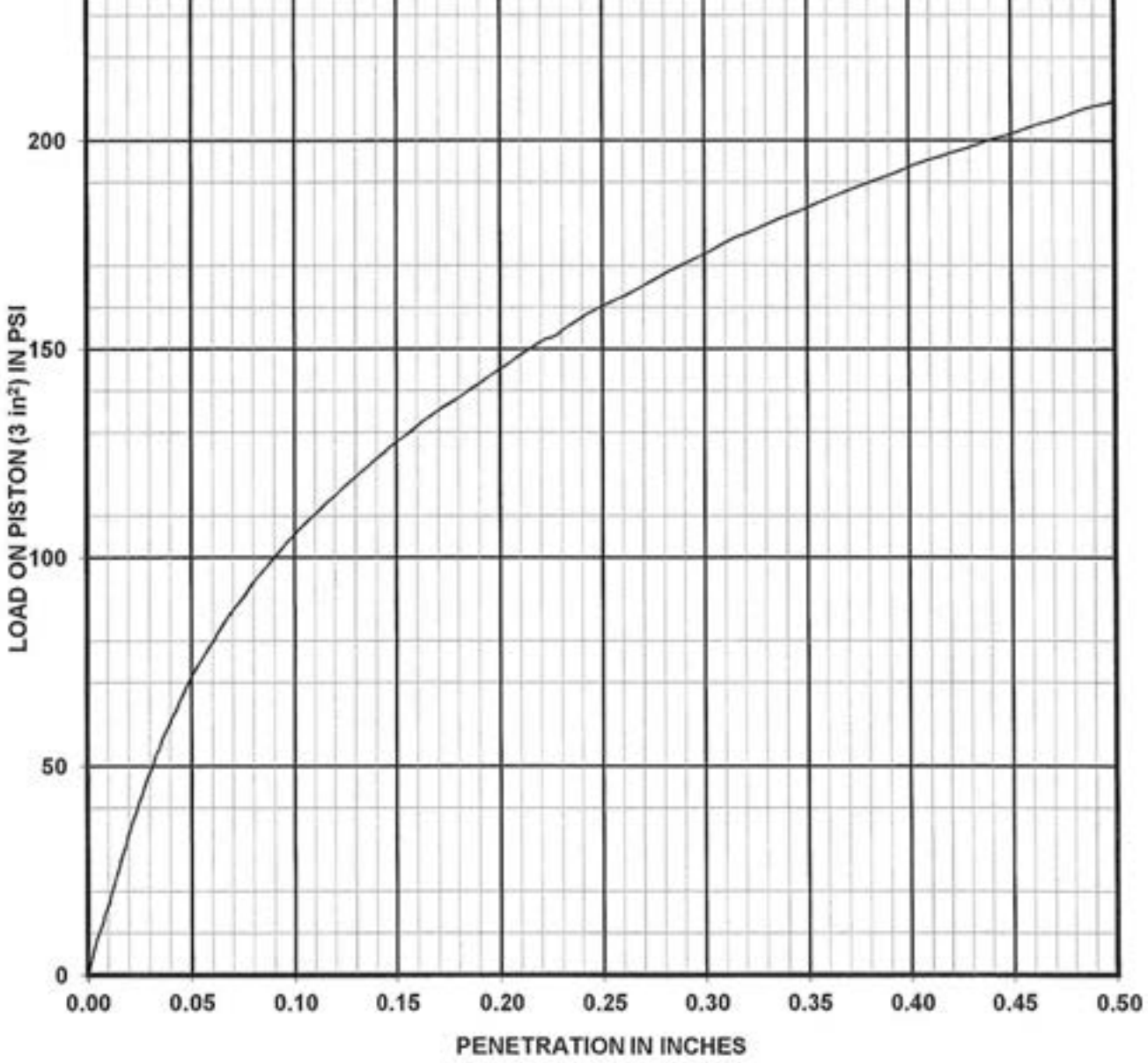
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 7.3* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 104

Applied Geotechnical Engineering Consultants, Inc.



Sample of Clayey Sand (SC)
Location: TP 1-11 at 1' to 2' CS#: 13293
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 90 hours

Dry Density: as molded 110 pcf
after soaking 111 pcf
Swell: after soaking 0.1 percent

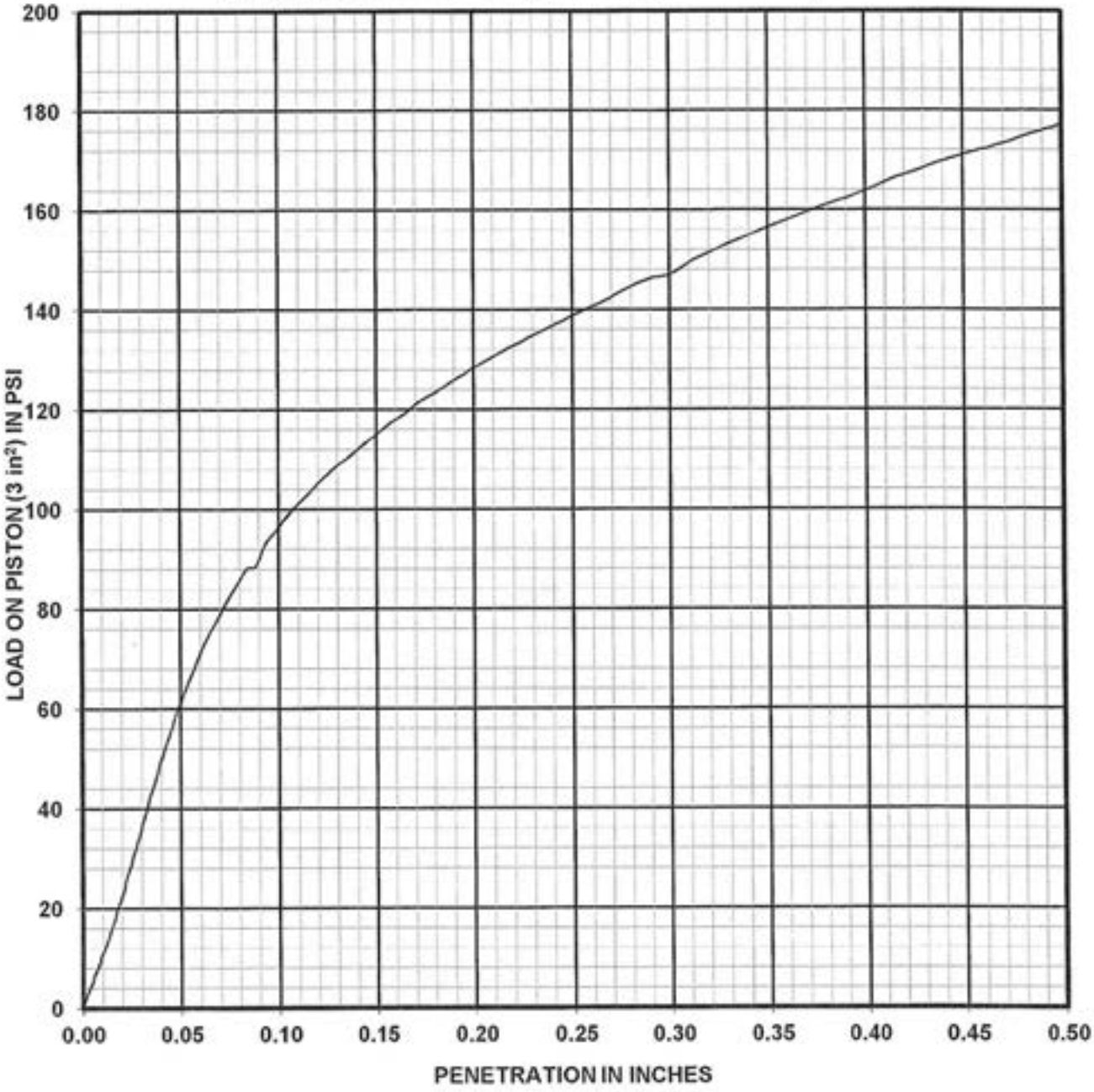
Moisture Content: as molded 16 percent
top 1-inch after soaking 16 percent
average after soaking 16 percent

(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 6.3* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 105

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: TP 1-12 at 1' to 2' CS#: 13294
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 98 hours

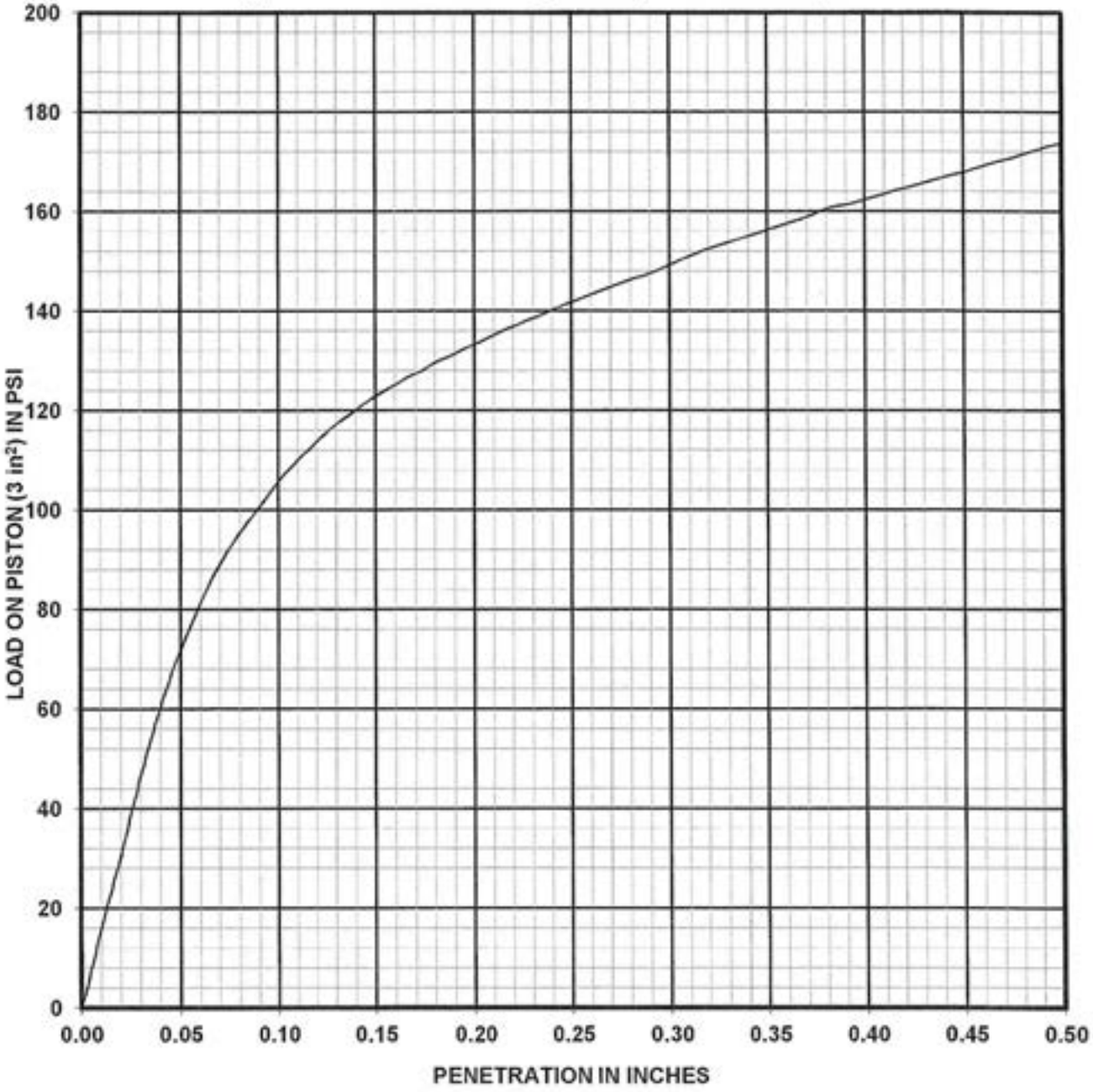
Dry Density: as molded 103 pcf
after soaking 103 pcf
Swell: after soaking 0.6 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 19 percent
top 1-inch after soaking 22 percent
average after soaking 21 percent

Bearing Ratio of Sample, **CBR** = 4.8* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 106

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: TP 1-13 at 1' to 2' CS#: 13295
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 101 hours

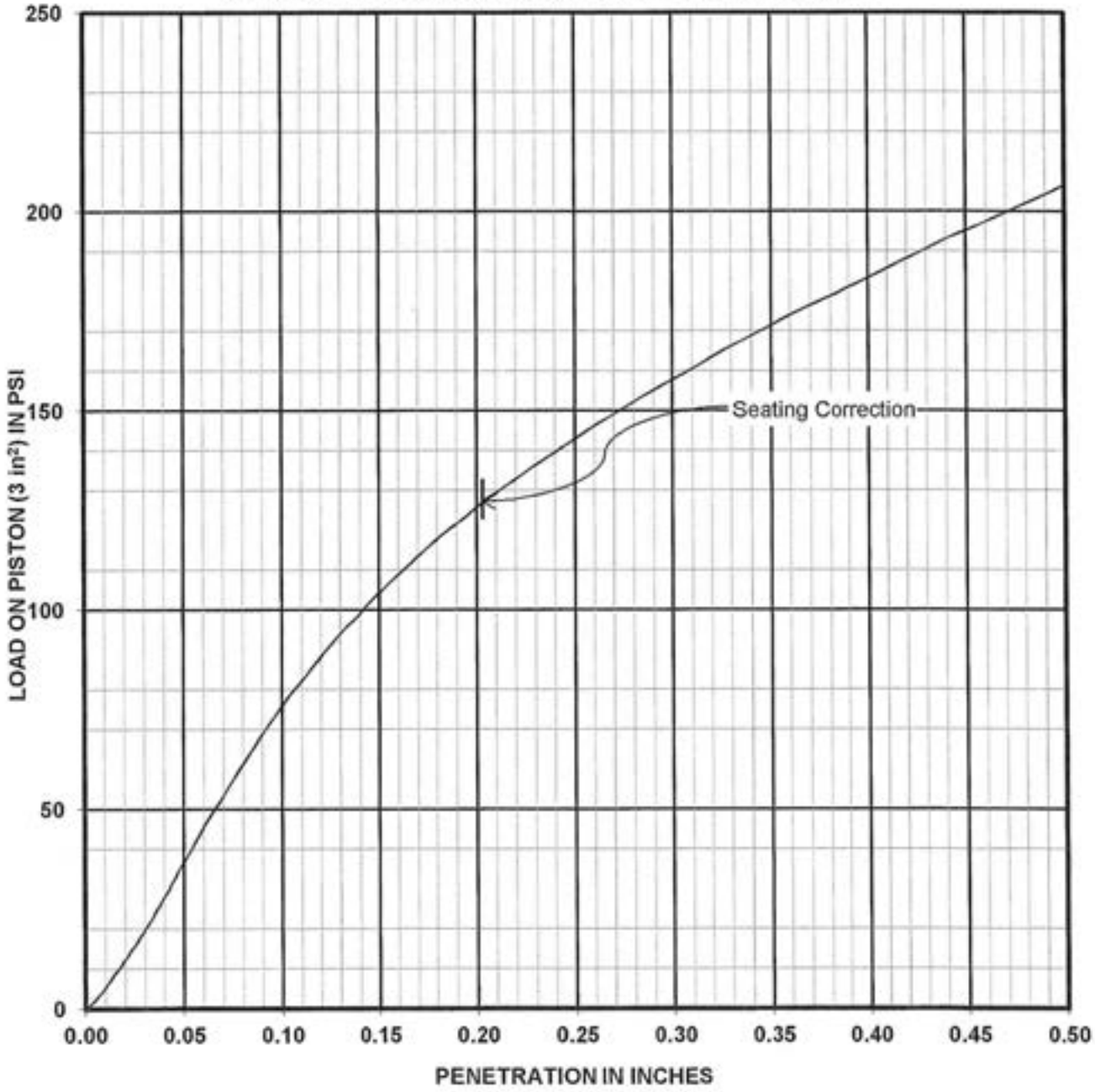
Dry Density: as molded 106 pcf
after soaking 107 pcf
Swell: after soaking 0.3 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 18 percent
top 1-inch after soaking 19 percent
average after soaking 19 percent

Bearing Ratio of Sample, **CBR = 6.4*** percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 107

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: TP 1-14 at 1' to 2' CS#: 13296
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 91 hours

Dry Density: as molded 103 pcf
after soaking 102 pcf
Swell: after soaking 0.5 percent

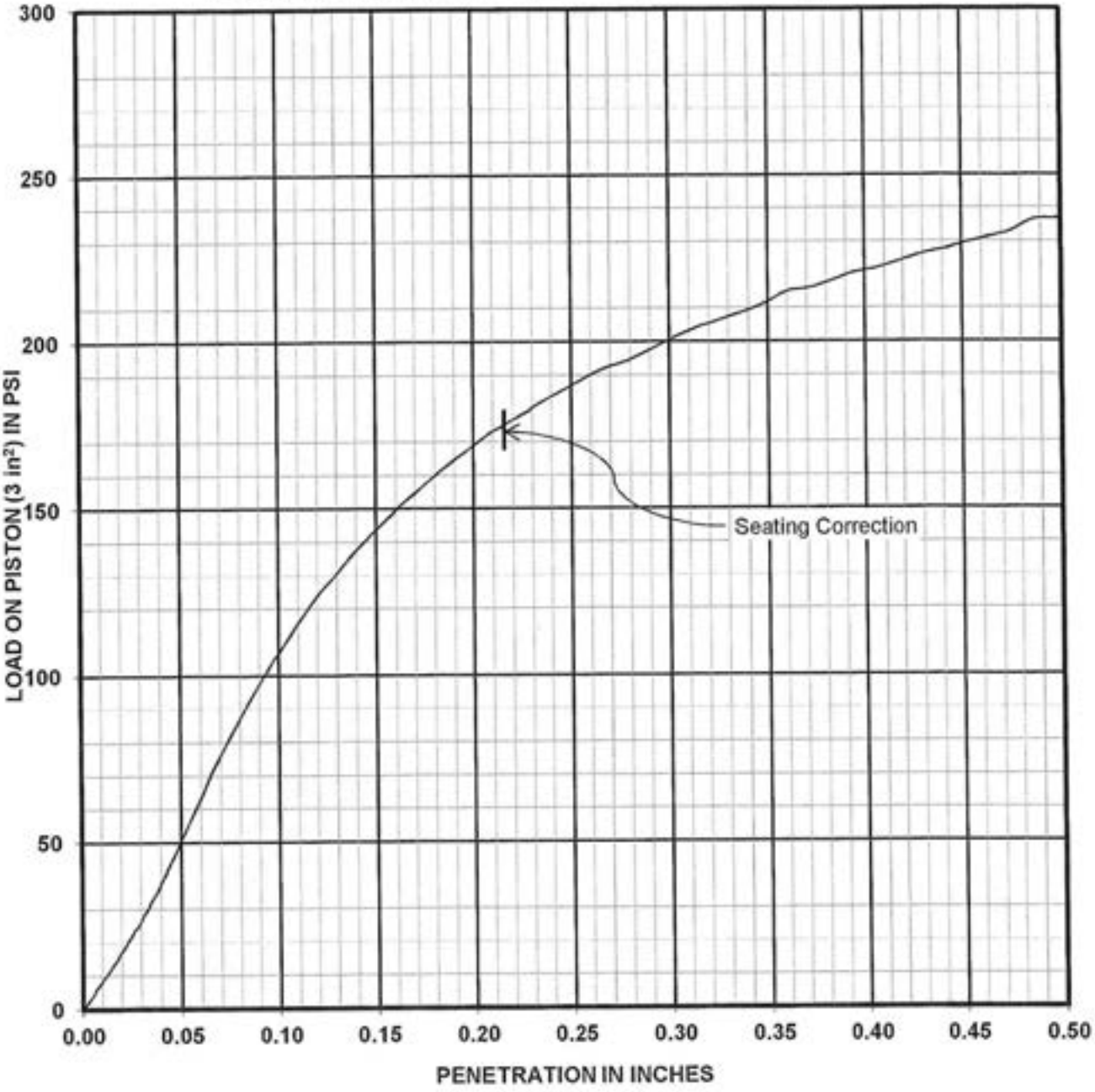
Moisture Content: as molded 19 percent
top 1-inch after soaking 24 percent
average after soaking 23 percent

(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR** = 4.3* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 108

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: TP 1-15 at 1' to 2' CS#: 13310
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 91 hours

Dry Density: as molded 111 pcf
after soaking 113 pcf

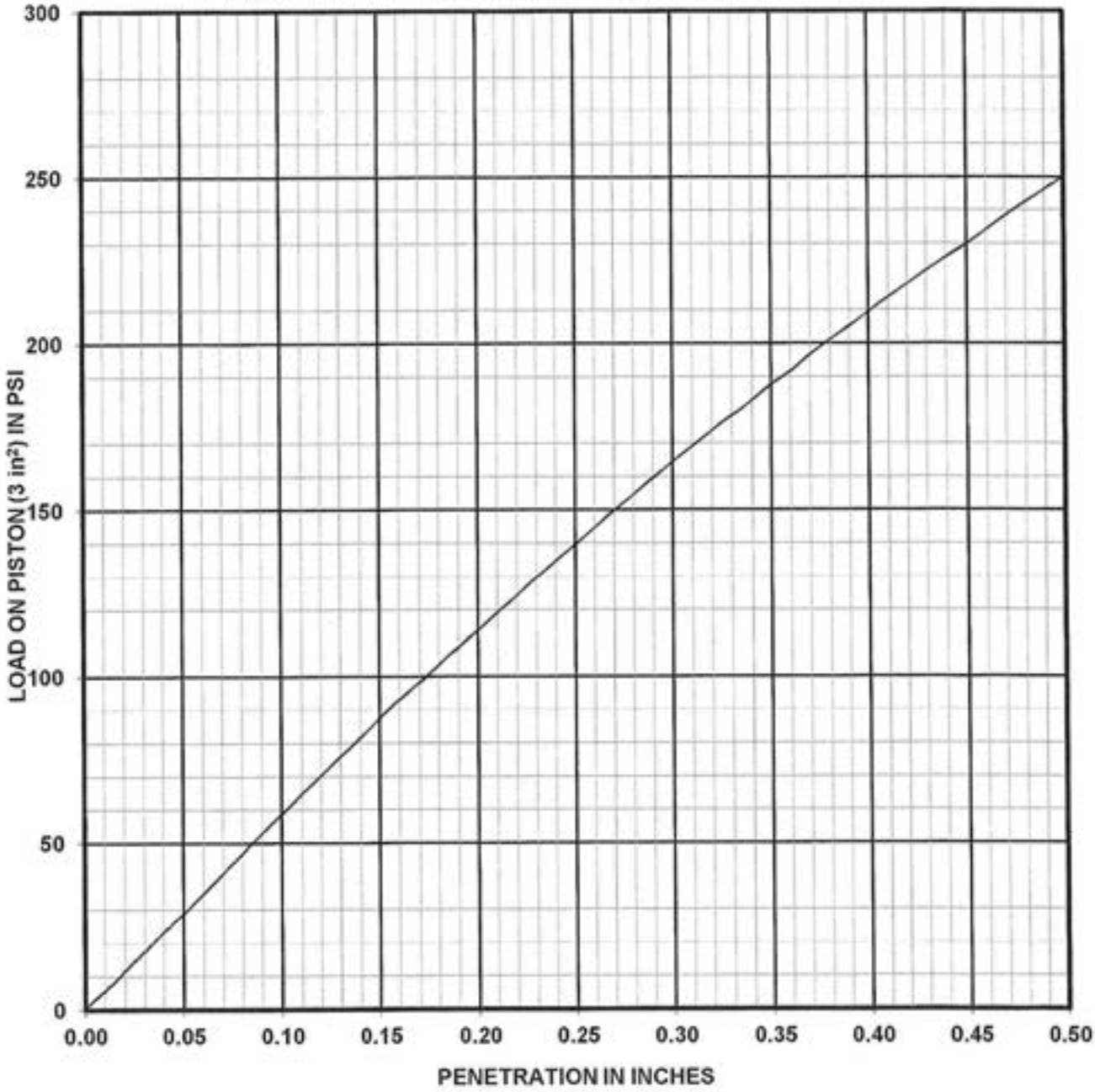
Moisture Content: as molded 16 percent
top 1-inch after soaking 16 percent
average after soaking 16 percent

Swell: after soaking 0.3 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 7.1* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 109

Applied Geotechnical Engineering Consultants, Inc.



Sample of Gravelly Lean Clay with Sand (CL)
Location: TP 1-16 at 1' to 2' CS#: 13311
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99D, Scalp&Replace

Sample penetration after soaking for 93 hours

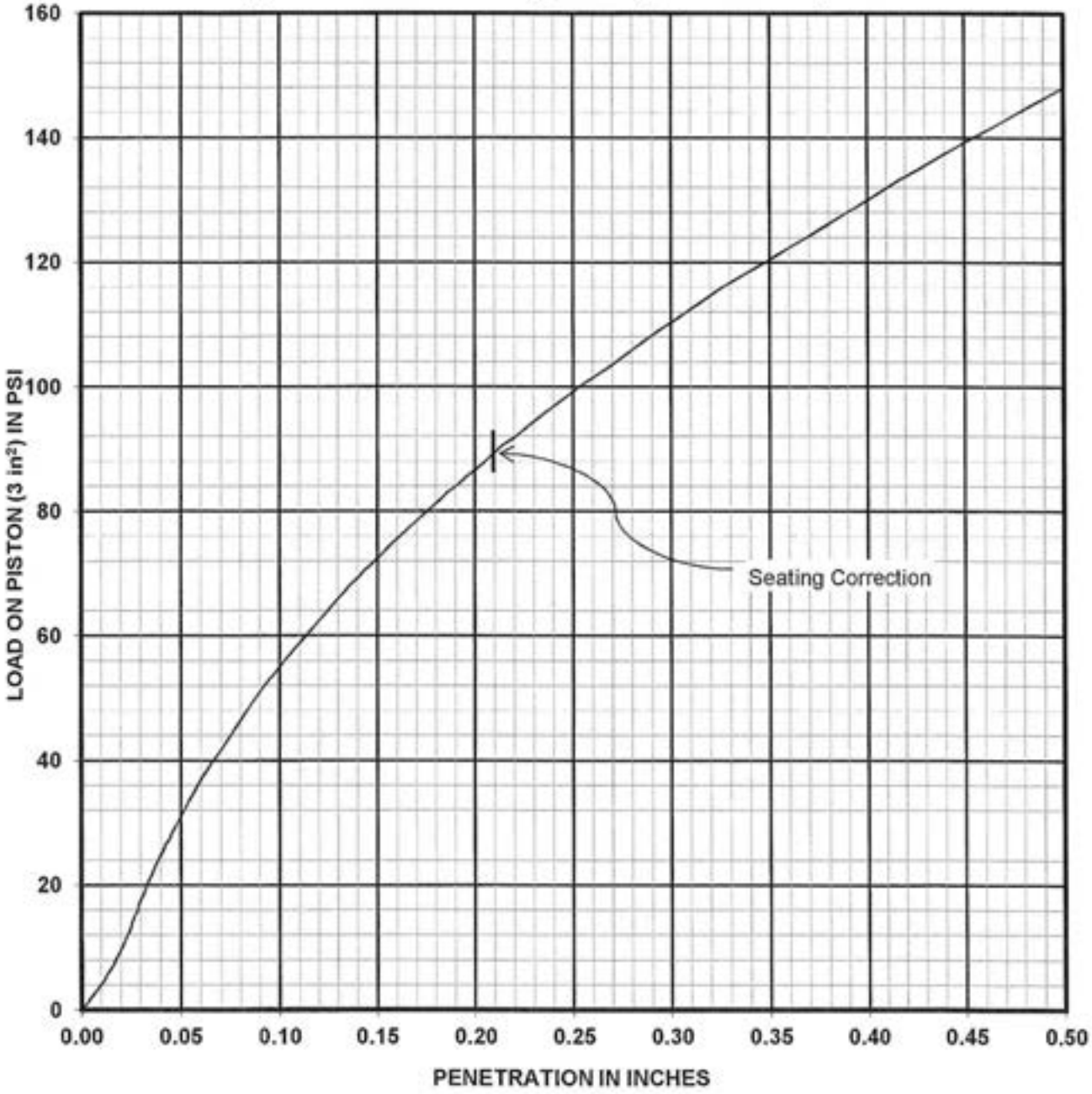
Dry Density: as molded 110 pcf
after soaking 109 pcf
Swell: after soaking -0.1 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 15 percent
top 1-inch after soaking 17 percent
average after soaking 18 percent

Bearing Ratio of Sample, CBR = 4.5* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 110

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: TP 1-17 at 1' to 2' CS#: 13312
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 92 hours

Dry Density:	as molded	103 pcf	Moisture Content:	as molded	19	percent
	after soaking	105 pcf		top 1-inch after soaking	20	percent
Swell:	after soaking	0.1 percent		average after soaking	20	percent

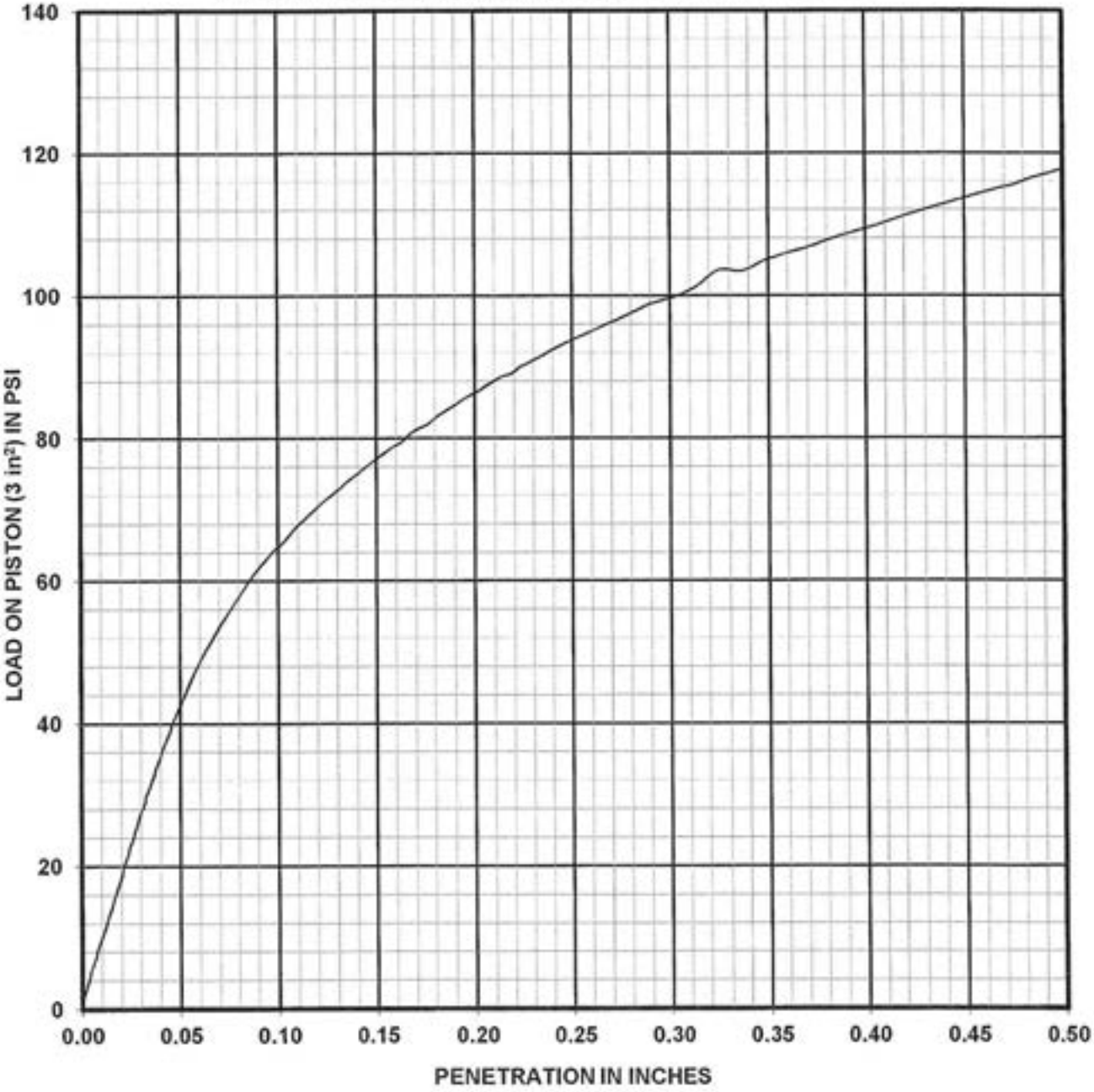
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR =** 3.0* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 111

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: TP 1-18 at 1' to 2' CS#: 13313
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 95 hours

Dry Density: as molded 95 pcf
after soaking 94 pcf
Swell: after soaking 1.1 percent

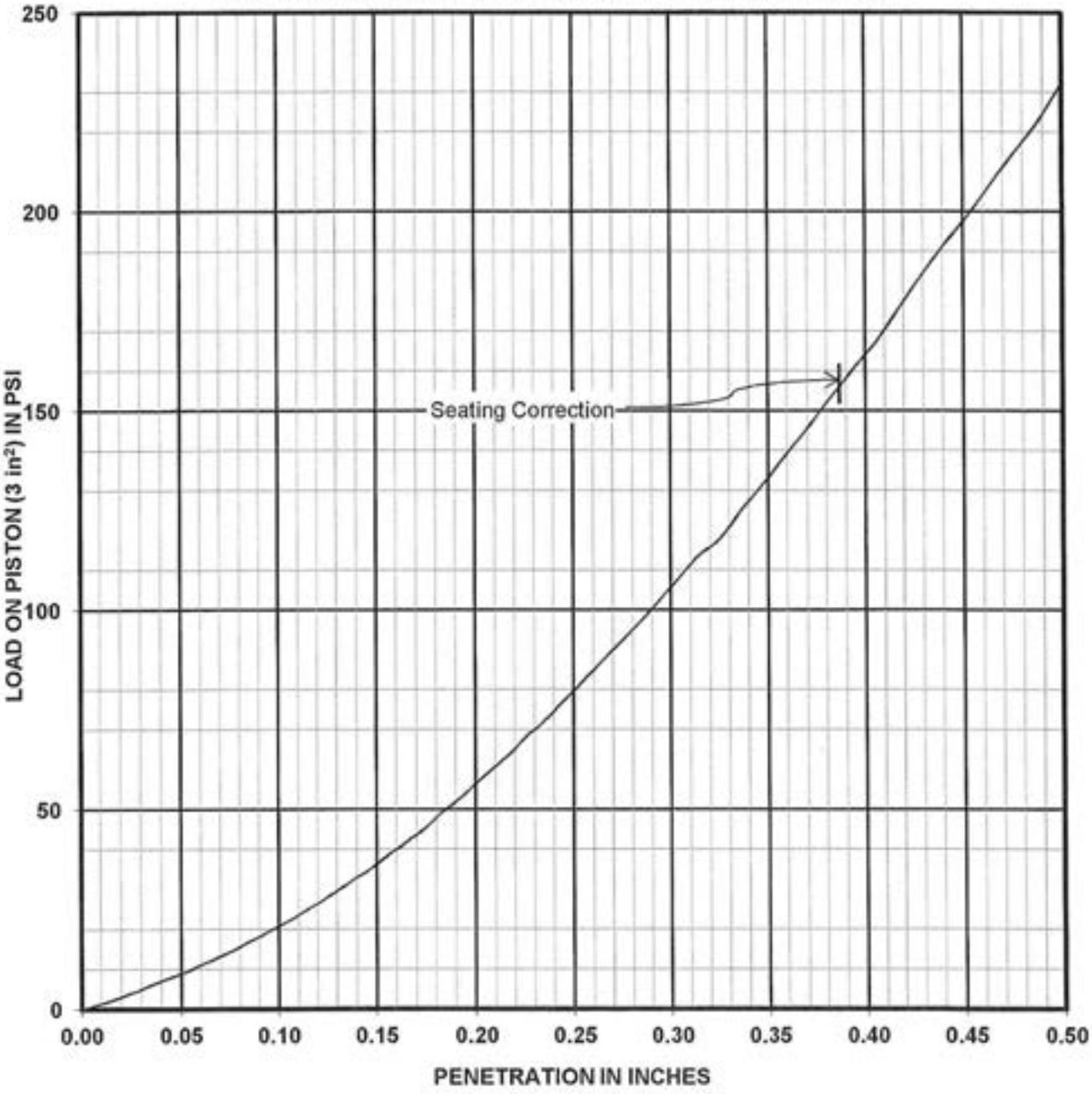
Moisture Content: as molded 23 percent
top 1-inch after soaking 26 percent
average after soaking 26 percent

(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 3.2* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 112

Applied Geotechnical Engineering Consultants, Inc.



Sample of Poorly-graded Sand with Clay and Gravel (SP-SC)
Location: CBR 1-1 at 1' to 2' CS#: 13304 QC
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99D, Scalp & Replace

Sample penetration after soaking for 95 hours

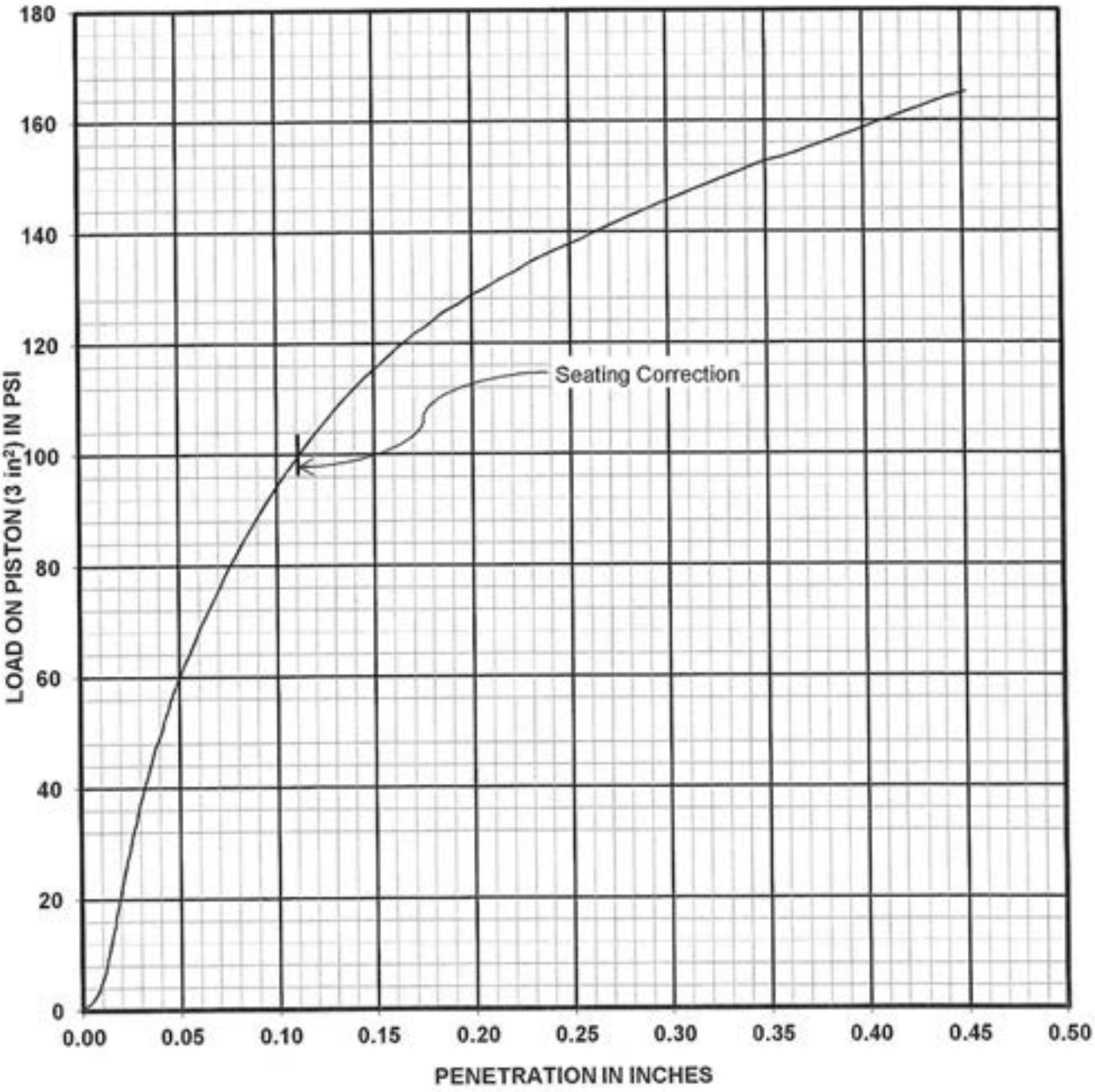
Dry Density: as molded 118 pcf
after soaking 120 pcf
Swell: after soaking -0.4 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 12 percent
top 1-inch after soaking 12 percent
average after soaking 12 percent

Bearing Ratio of Sample, **CBR =** 7.9* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 113

Applied Geotechnical Engineering Consultants, Inc.



Sample of Clayey Sand (SC)
Location: CBR 1-2 at 1' to 2' CS#: 13305 QC
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 71 hours

Dry Density: as molded 109 pcf
after soaking 110 pcf

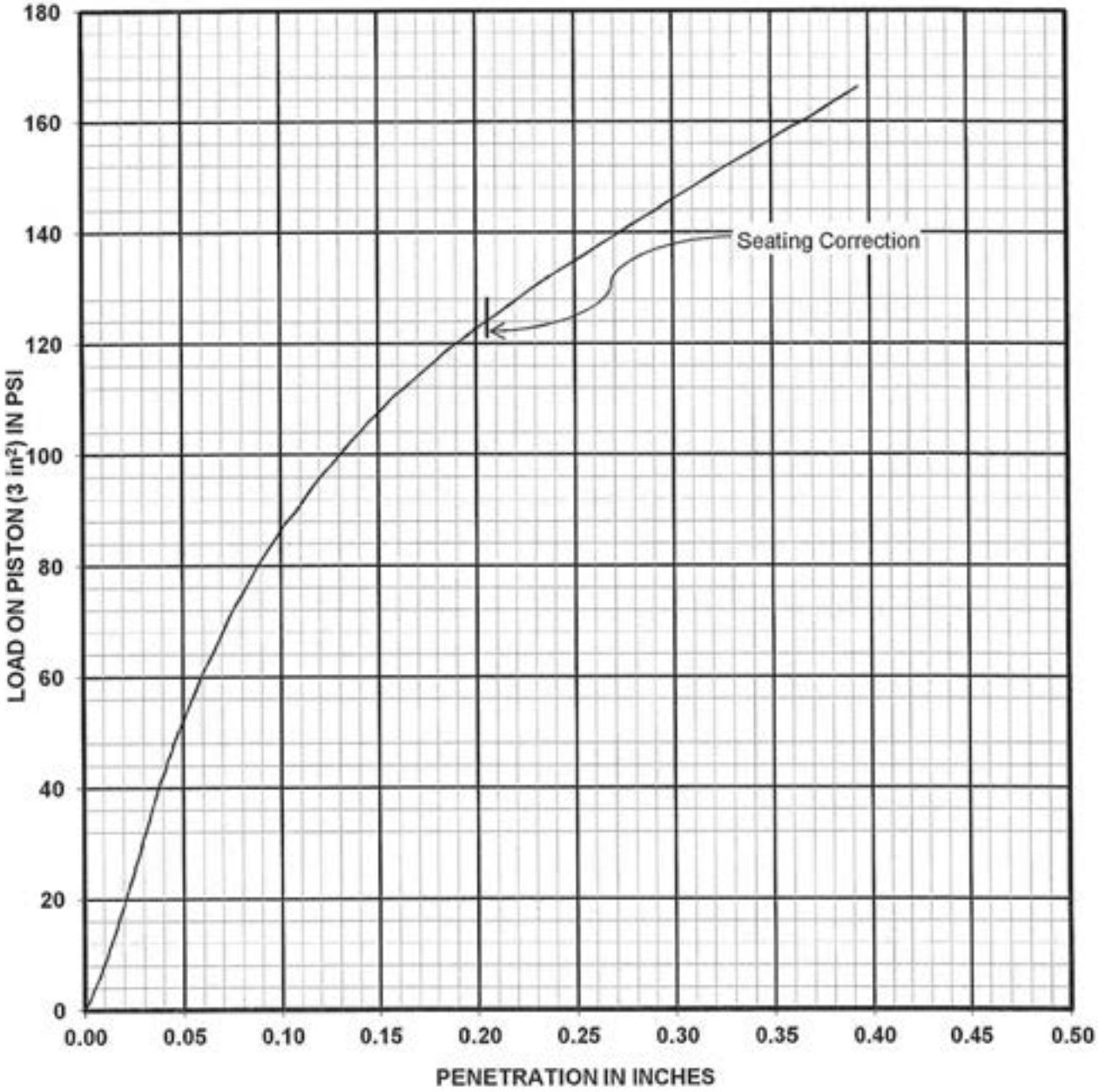
Moisture Content: as molded 15 percent
top 1-inch after soaking 18 percent
average after soaking 18 percent

Swell: after soaking 0.2 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 5.9* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 114

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: CBR 1-3 at 1' to 3' CS#: 13306 QC
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 96 hours

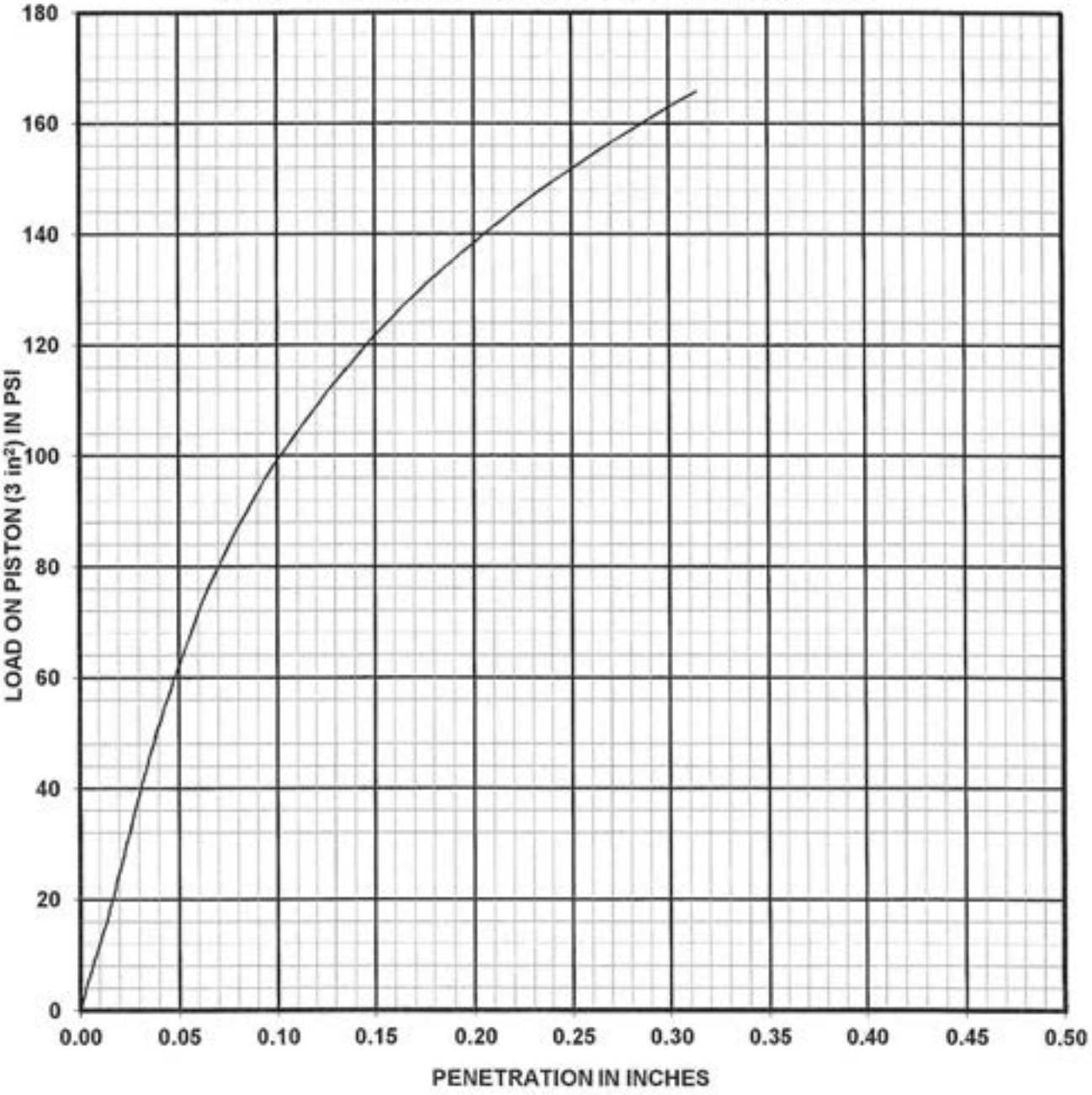
Dry Density: as molded 102 pcf
after soaking 103 pcf
Swell: after soaking 0.3 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 19 percent
top 1-inch after soaking 20 percent
average after soaking 20 percent

Bearing Ratio of Sample, CBR = 4.1* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 115

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: CBR 1-4 at 1' to 3' CS#: 13307 QC
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 88 hours

Dry Density: as molded 101 pcf
after soaking 101 pcf
Swell: after soaking 0.1 percent

Moisture Content: as molded 20 percent
top 1-inch after soaking 22 percent
average after soaking 22 percent

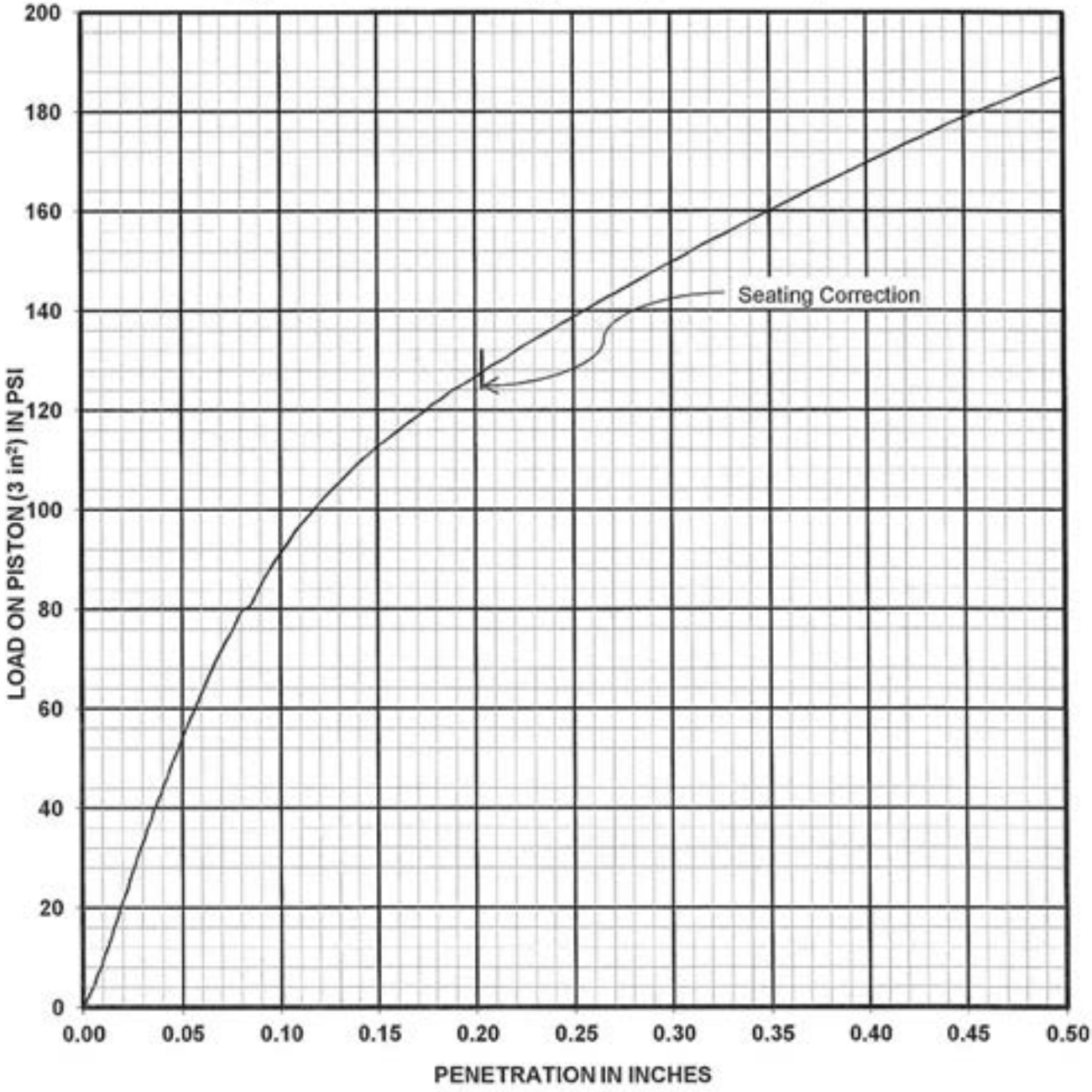
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 4.9* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 116

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: CBR 1-5 at 1' to 3' CS#: 13308 QC
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 86 hours

Dry Density: as molded 100 pcf
after soaking 100 pcf

Moisture Content: as molded 20 percent
top 1-inch after soaking 23 percent
average after soaking 23 percent

Swell: after soaking 0.8 percent

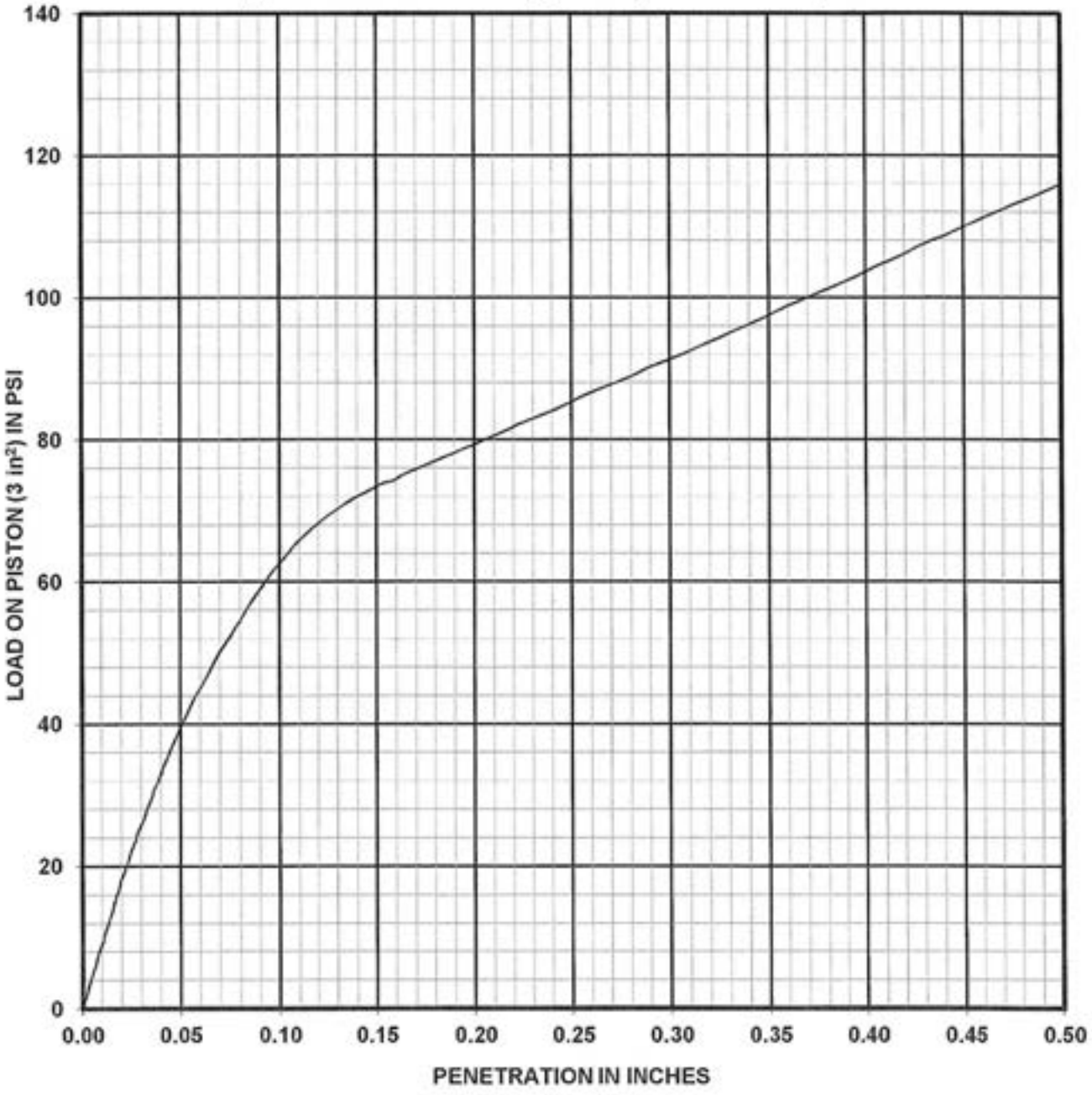
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 4.6* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 117

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: CBR 1-6 at 1' to 3' CS#: 13309 QC
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 97 hours

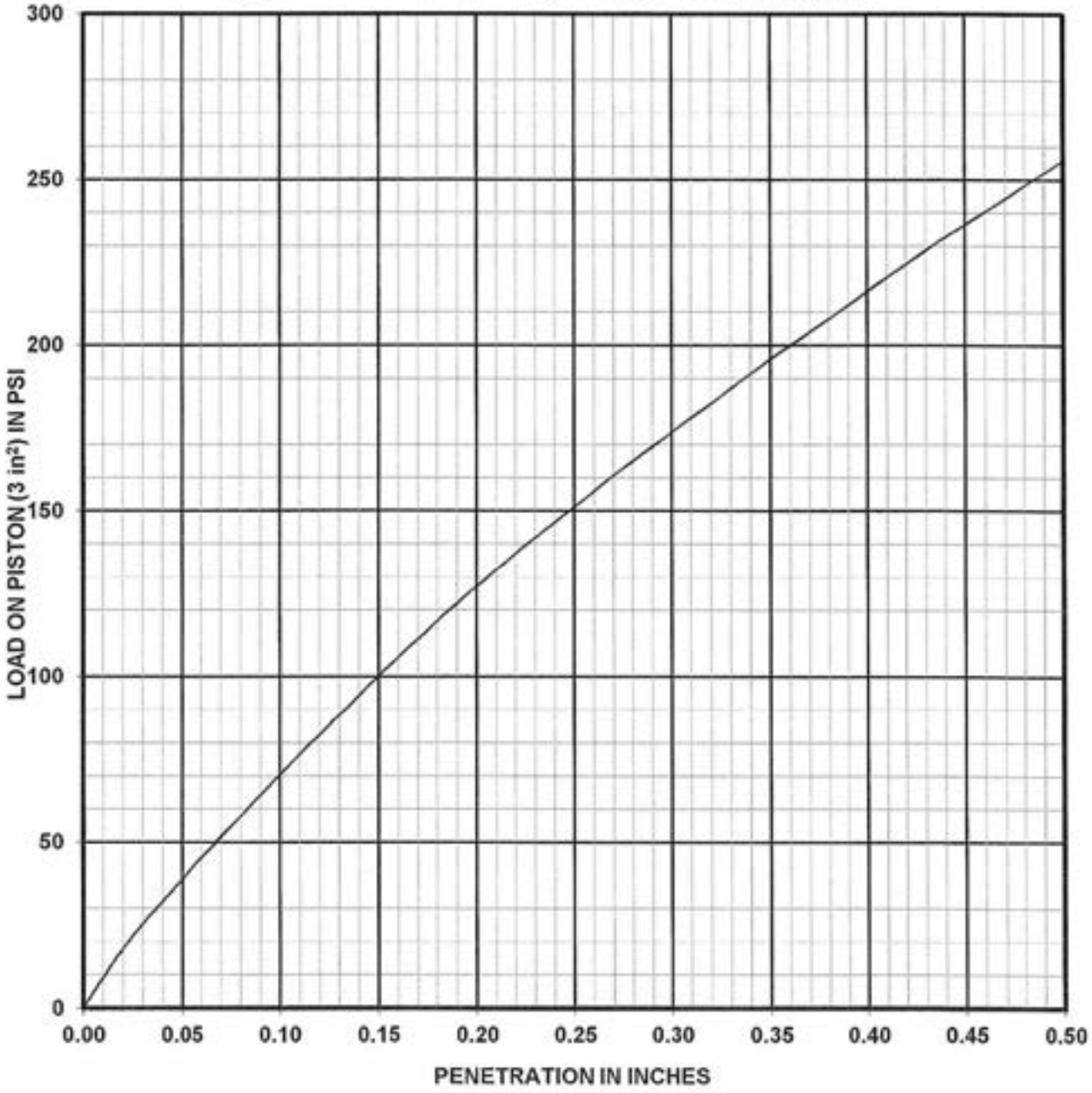
Dry Density: as molded 113 pcf
after soaking 113 pcf
Swell: after soaking 0.9 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 20 percent
top 1-inch after soaking 24 percent
average after soaking 24 percent

Bearing Ratio of Sample, CBR = 3.1* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 118

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: TP 2-1 at 1' to 2' CS#: 13326
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 100 hours

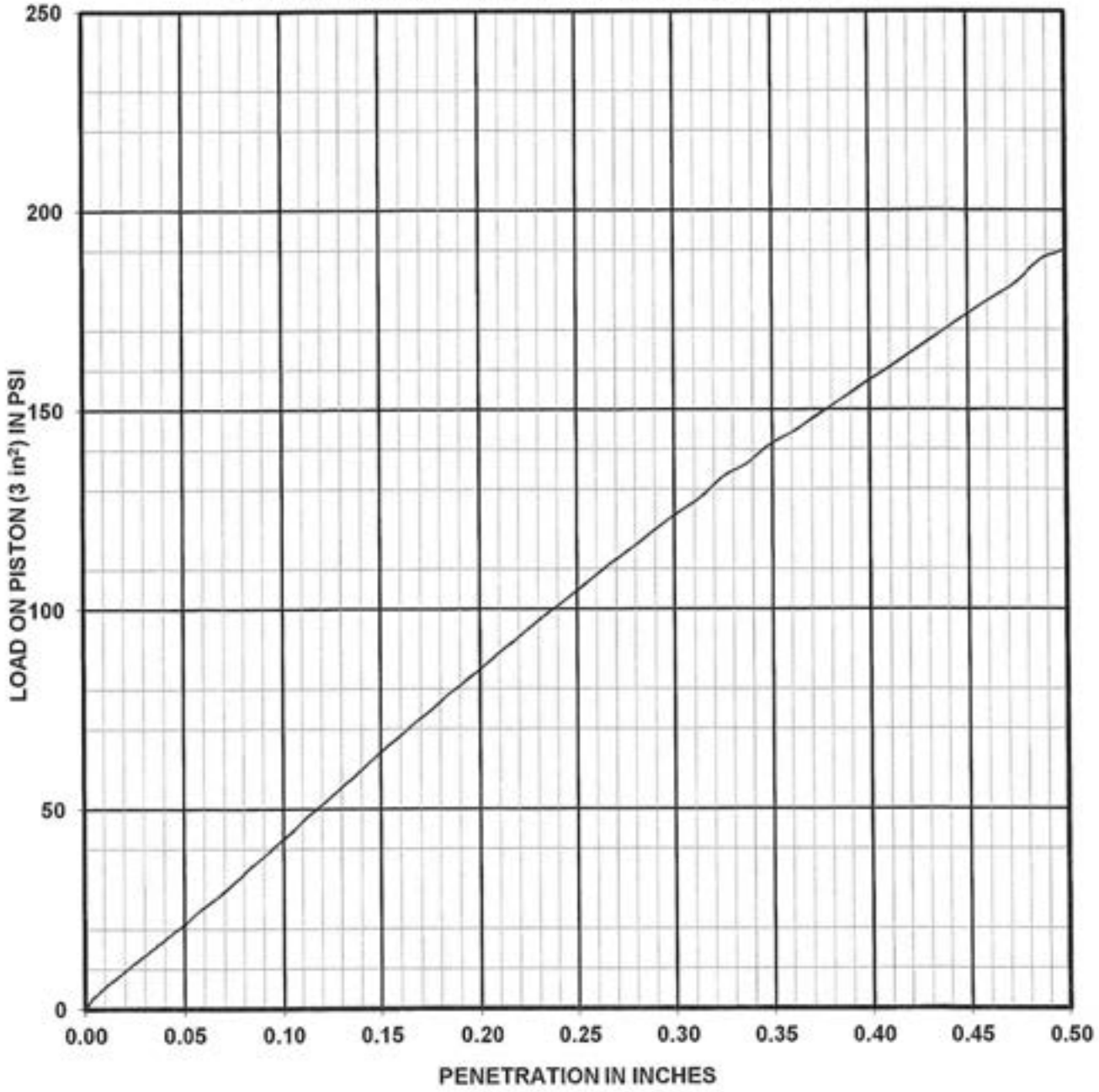
Dry Density: as molded 109 pcf
after soaking 110 pcf
Swell: after soaking 0.1 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 17 percent
top 1-inch after soaking 16 percent
average after soaking 17 percent

Bearing Ratio of Sample, CBR = 4.3* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 119

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Silt (ML)
Location: TP 2-2 at 1' to 2' CS#: 13327
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 88 hours

Dry Density: as molded 107 pcf
after soaking 108 pcf
Swell: after soaking 0.3 percent

Moisture Content: as molded 17 percent
top 1-inch after soaking 17 percent
average after soaking 17 percent

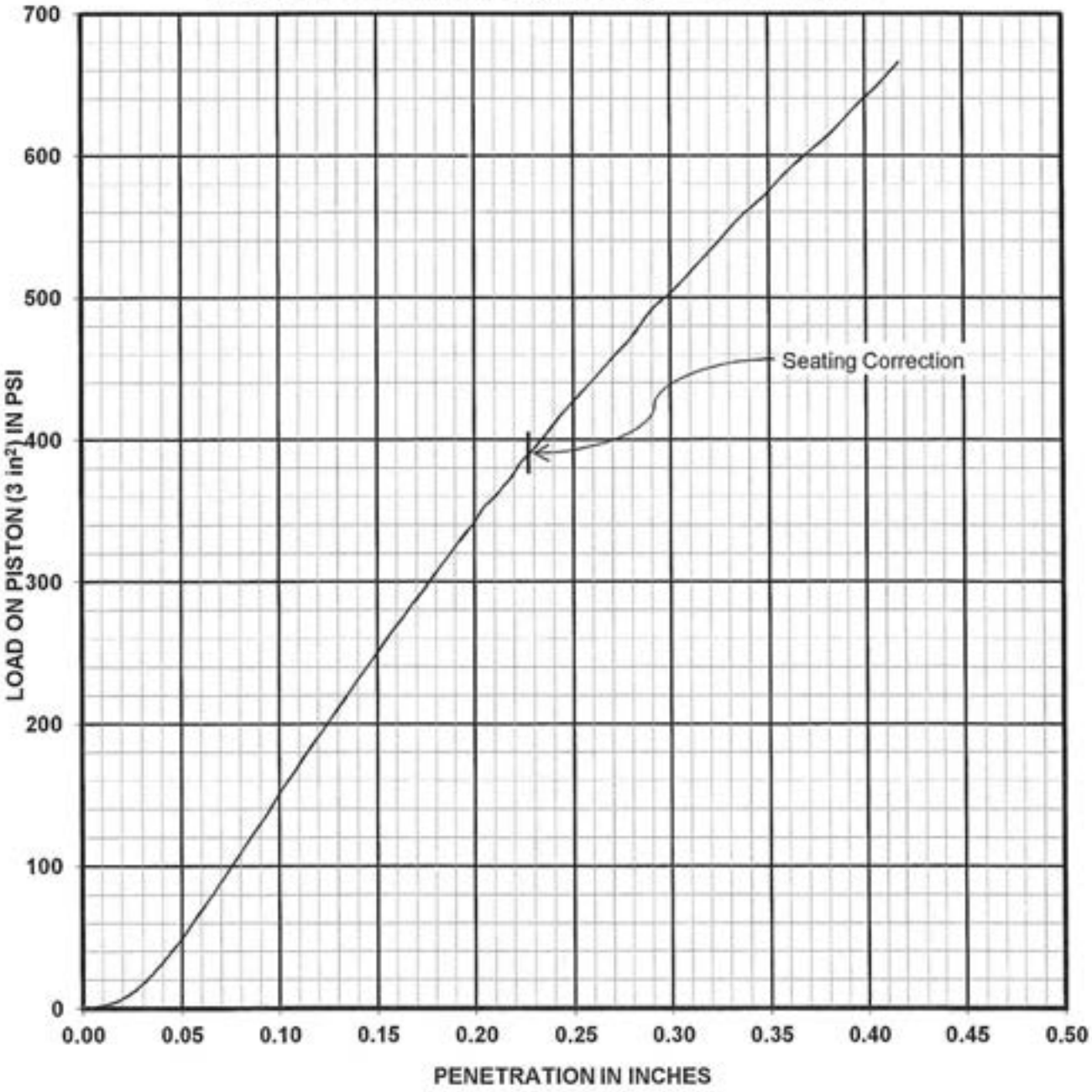
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 3.5* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 120

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Silt (ML)
Location: TP 2-3 at 1' to 2' CS#: 13328
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 92 hours

Dry Density: as molded 109 pcf
after soaking 110 pcf
Swell: after soaking -0.1 percent

Moisture Content: as molded 14 percent
top 1-inch after soaking 16 percent
average after soaking 16 percent

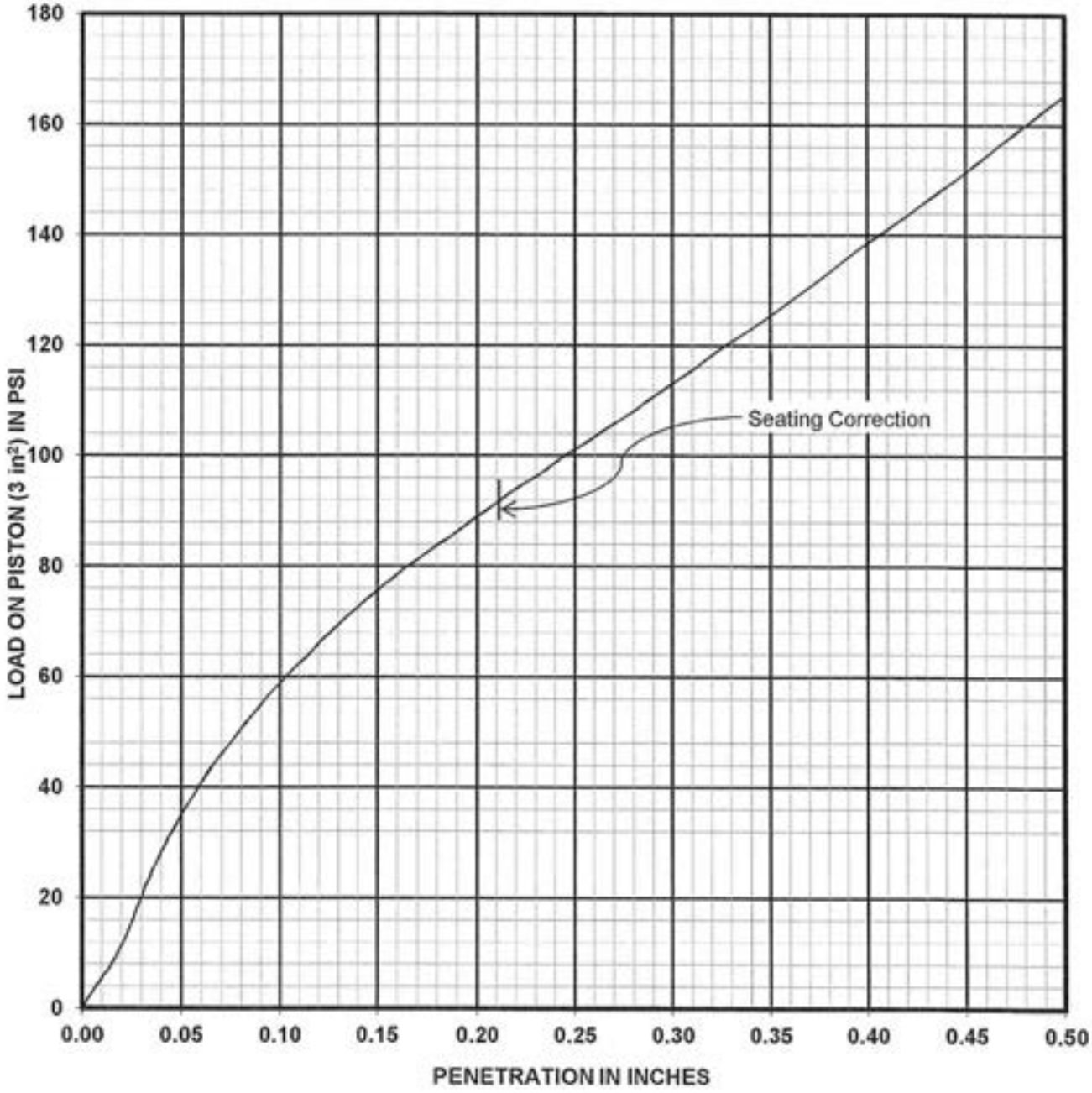
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 16* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 121

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: TP 2-4 at 1' to 2' CS#: 13329
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 94 hours

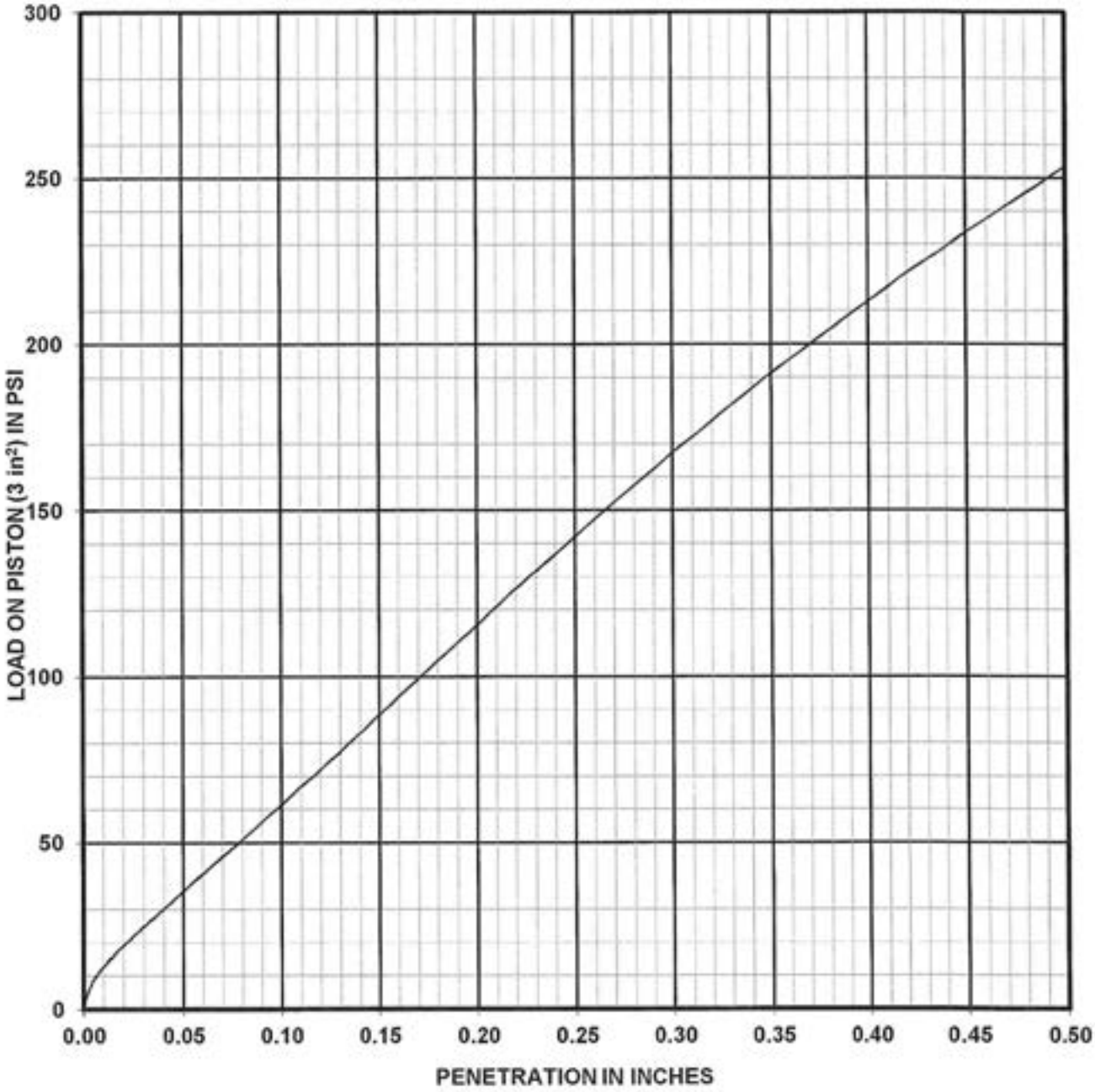
Dry Density:	as molded	106 pcf	Moisture Content:	as molded	19 percent
	after soaking	108 pcf		top 1-inch after soaking	19 percent
Swell:	after soaking	0.1 percent		average after soaking	19 percent

(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 3.1* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 122

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: TP 2-5 at 1' to 2' CS#: 13337
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 95 hours

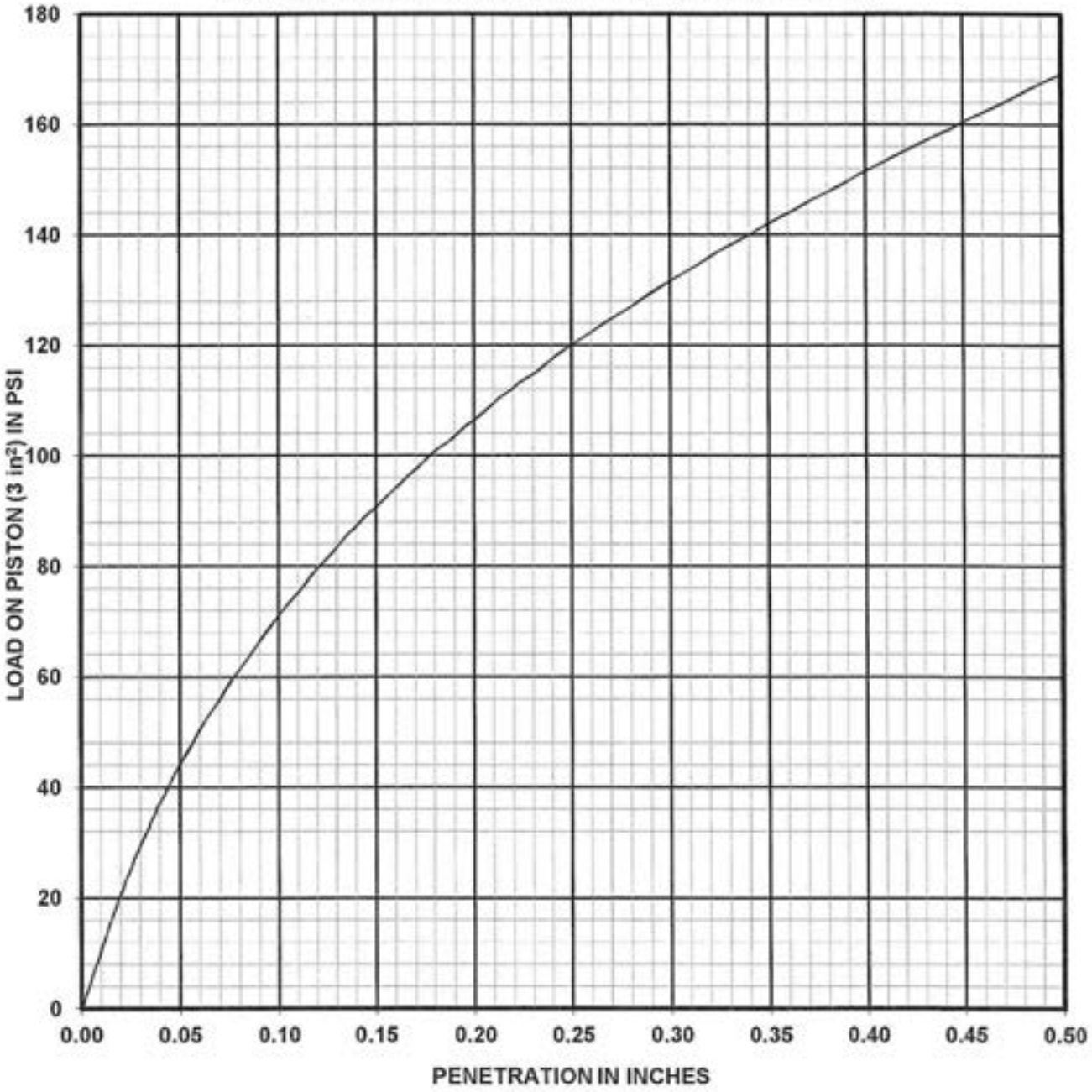
Dry Density: as molded 111 pcf
after soaking 113 pcf
Swell: after soaking -0.4 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 16 percent
top 1-inch after soaking 16 percent
average after soaking 16 percent

Bearing Ratio of Sample, CBR = 4.6* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 123

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: TP 2-6 at 1' to 2' CS#: 13338
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 90 hours

Dry Density: as molded 103 pcf
after soaking 103 pcf
Swell: after soaking 0.2 percent

Moisture Content: as molded 19 percent
top 1-inch after soaking 21 percent
average after soaking 22 percent

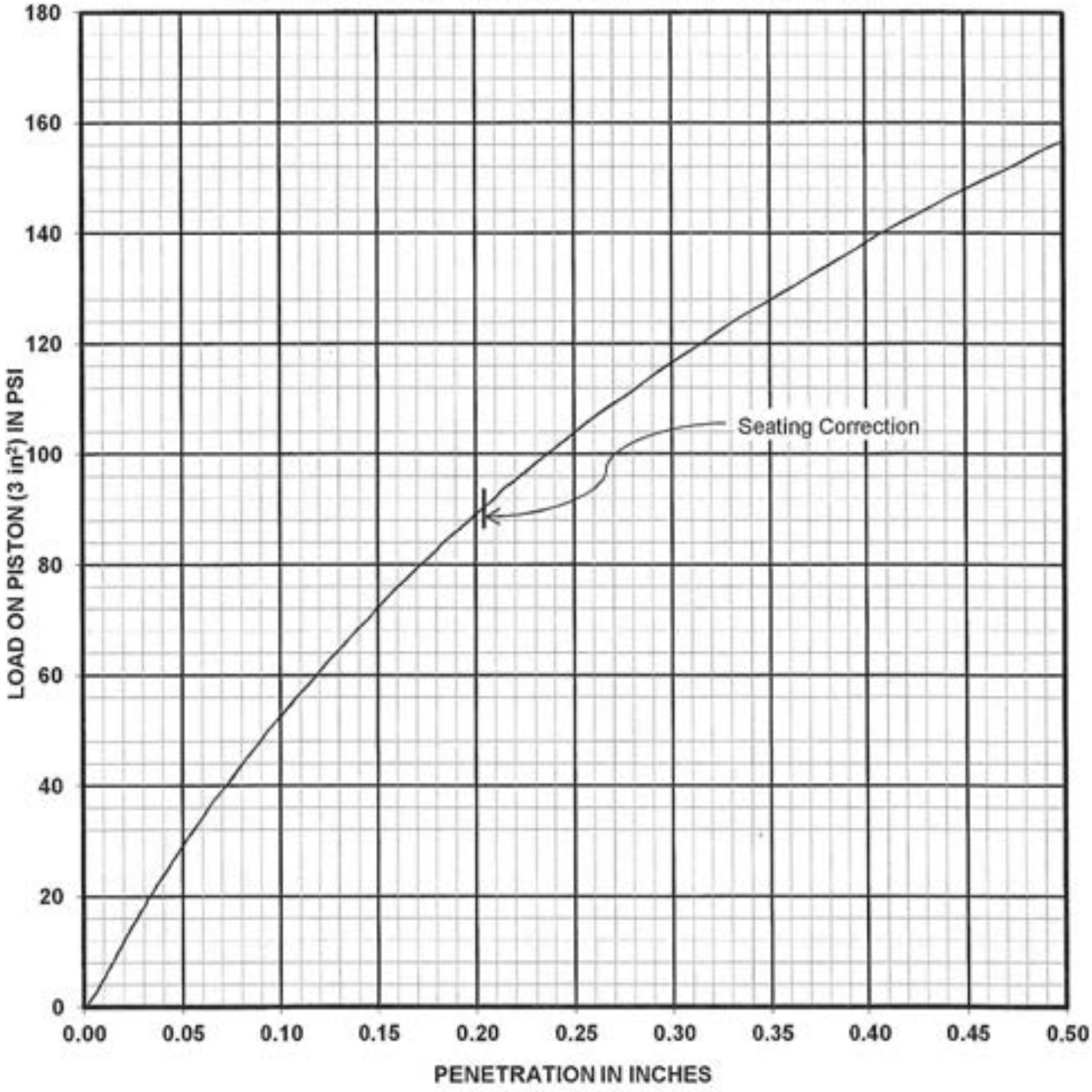
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR** = 3.7* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 124

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: TP 2-7 at 1' to 2' CS#: 13339
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 89 hours

Dry Density: as molded 110 pcf
after soaking 110 pcf
Swell: after soaking 0.3 percent

Moisture Content: as molded 17 percent
top 1-inch after soaking 18 percent
average after soaking 18 percent

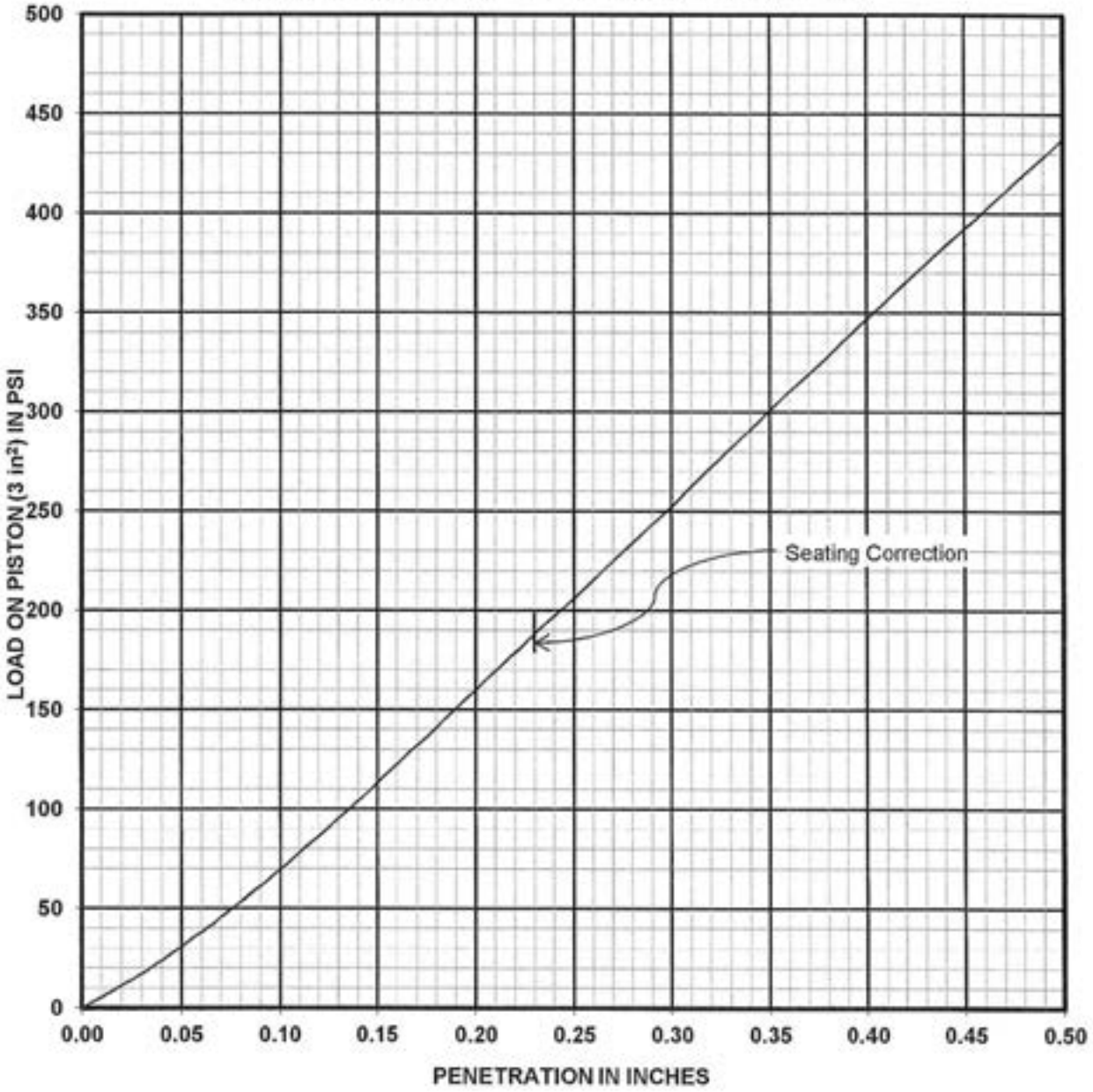
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR =** 3.6* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 125

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: TP 2-8 at 1' to 2' CS#: 13340
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 90 hours

Dry Density: as molded 109 pcf
after soaking 110 pcf
Swell: after soaking 0.0 percent

Moisture Content: as molded 15 percent
top 1-inch after soaking 16 percent
average after soaking 16 percent

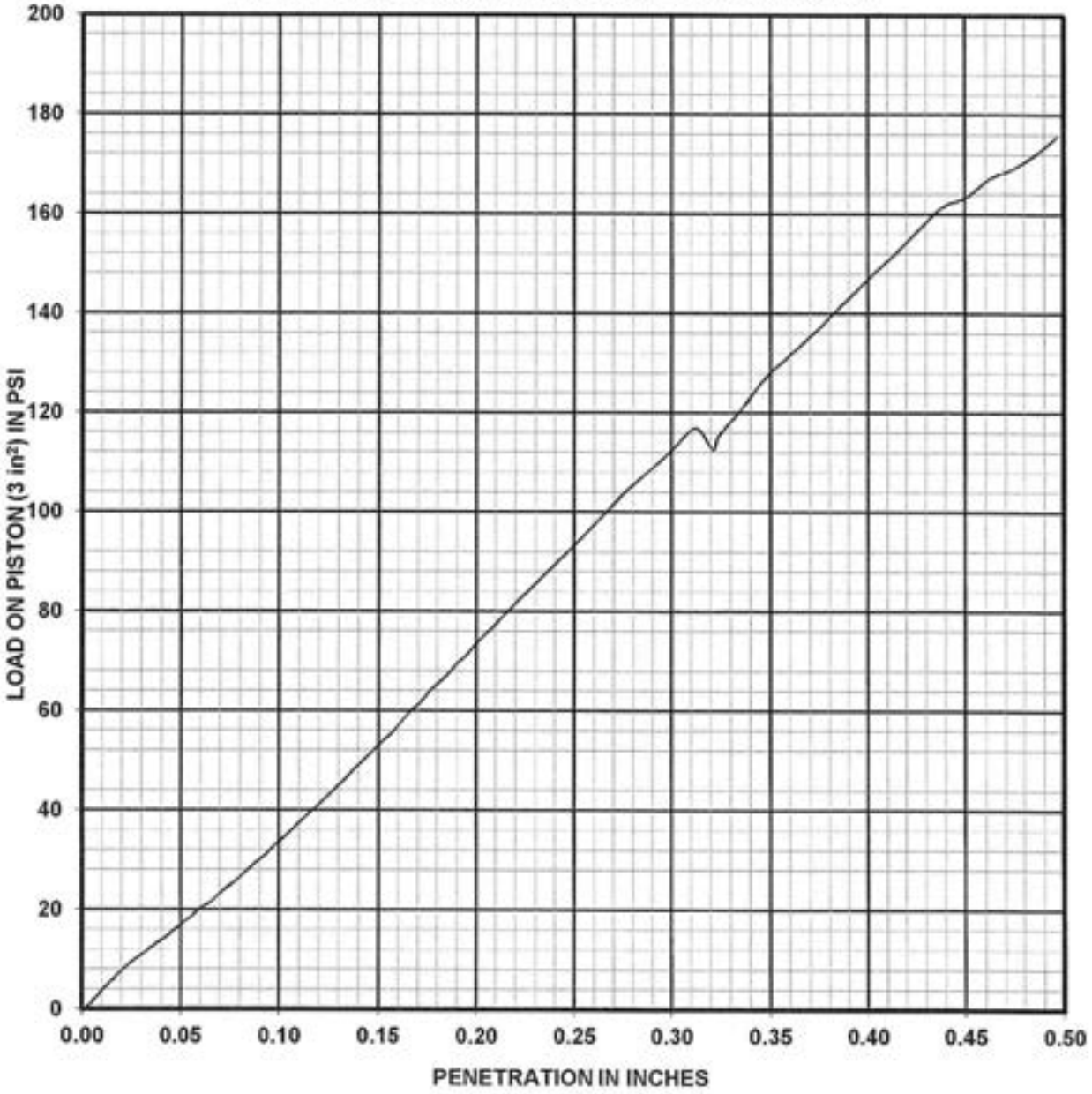
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 7.6* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 12B

Applied Geotechnical Engineering Consultants, Inc.



Sample of Clayey Gravel with Sand (GC)
Location: TP 2-9 at 1' to 2' CS#: 13341
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99D, Scalp&Replace

Sample penetration after soaking for 93 hours

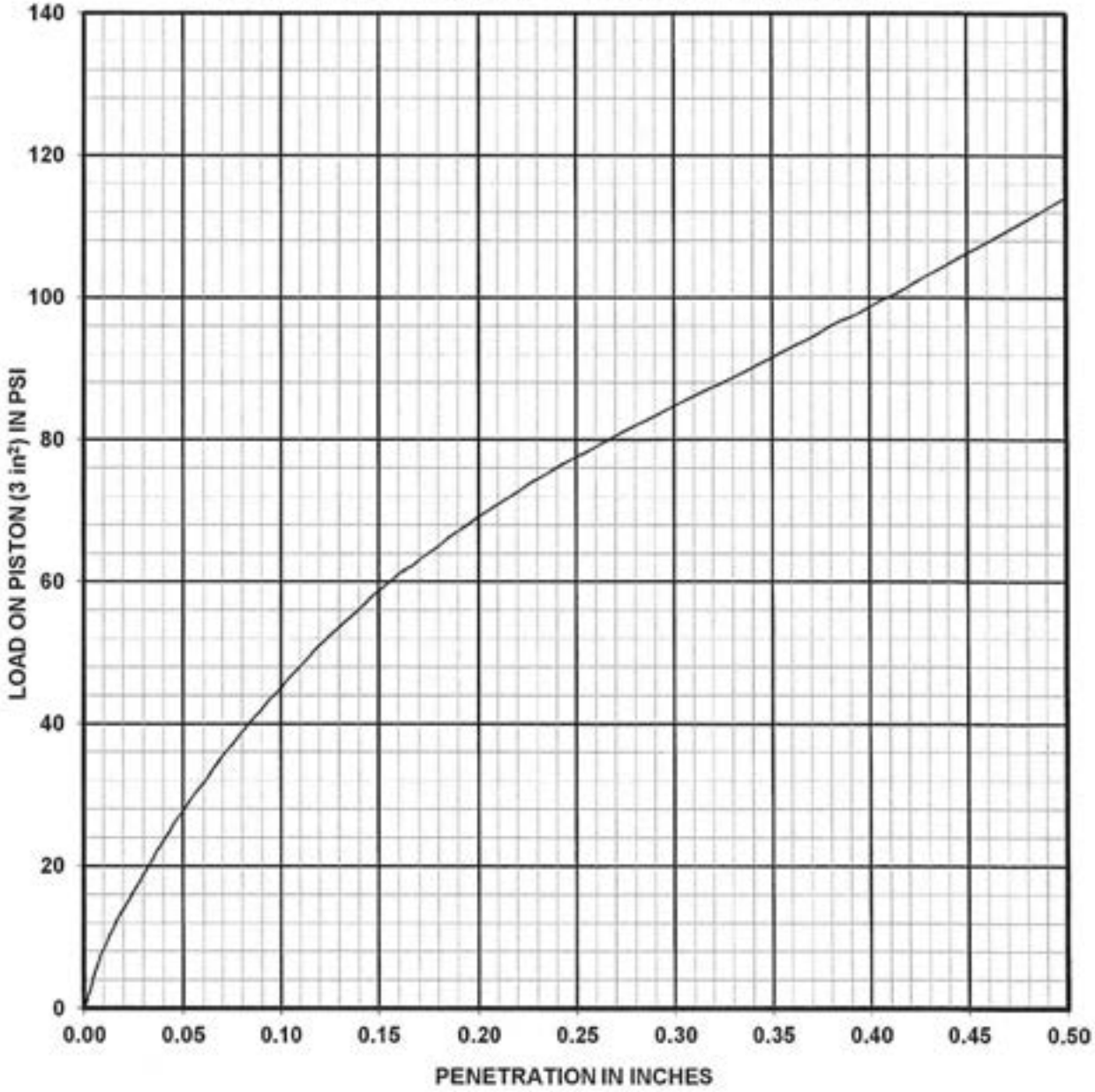
Dry Density: as molded 121 pcf
after soaking 122 pcf
Swell: after soaking -0.4 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 12 percent
top 1-inch after soaking 13 percent
average after soaking 13 percent

Bearing Ratio of Sample, **CBR = 2.9*** percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 127

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: TP 2-10 at 1' to 2' CS#: 13342
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 93 hours

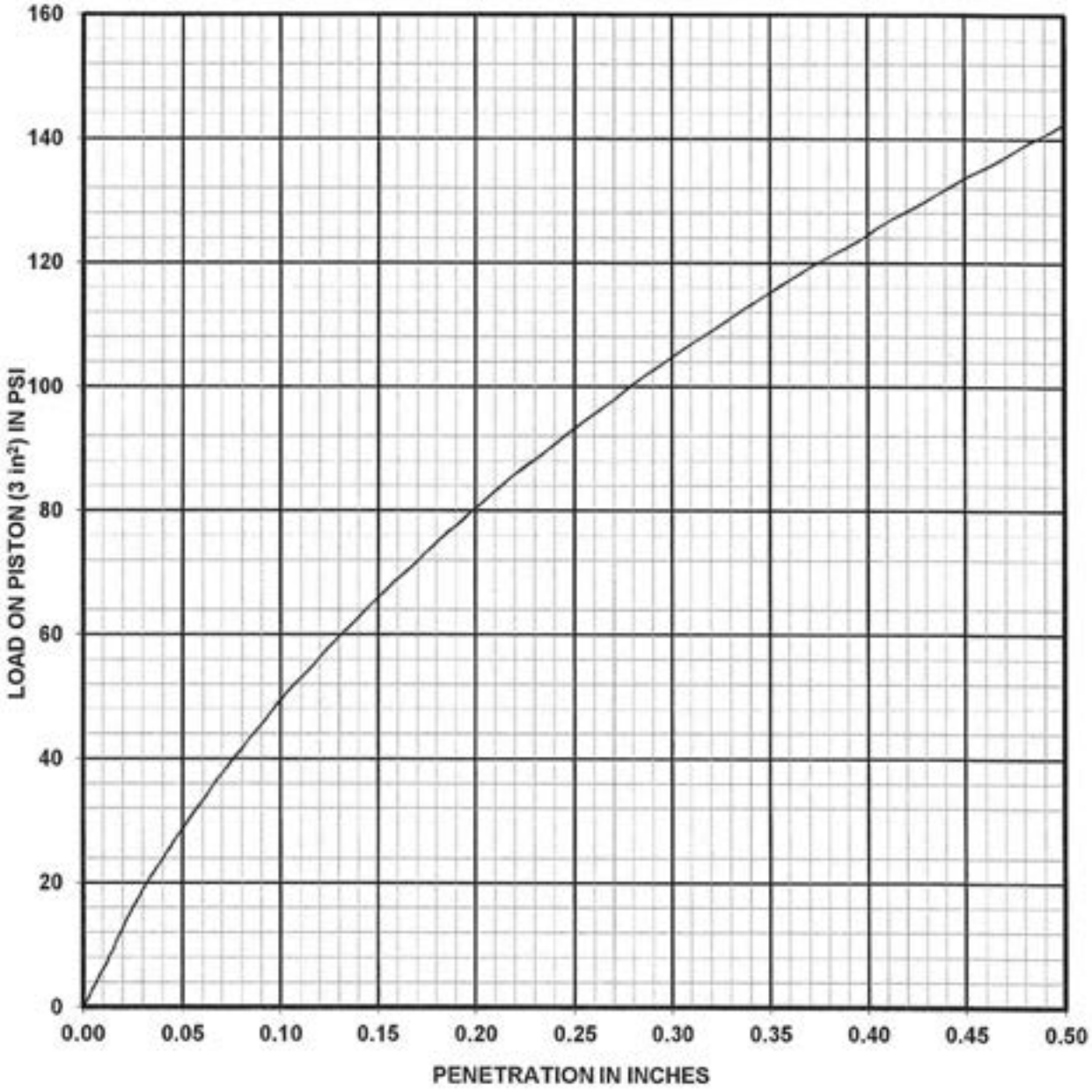
Dry Density: as molded 97 pcf
after soaking 98 pcf
Swell: after soaking 0.0 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 24 percent
top 1-inch after soaking 24 percent
average after soaking 24 percent

Bearing Ratio of Sample, CBR = 2.3* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 128

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: TP 2-11 at 1' to 2' CS#: 13345
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 89 hours

Dry Density:	as molded	102 pcf	Moisture Content:	as molded	20 percent
	after soaking	103 pcf		top 1-inch after soaking	21 percent
Swell:	after soaking	0.1 percent		average after soaking	21 percent

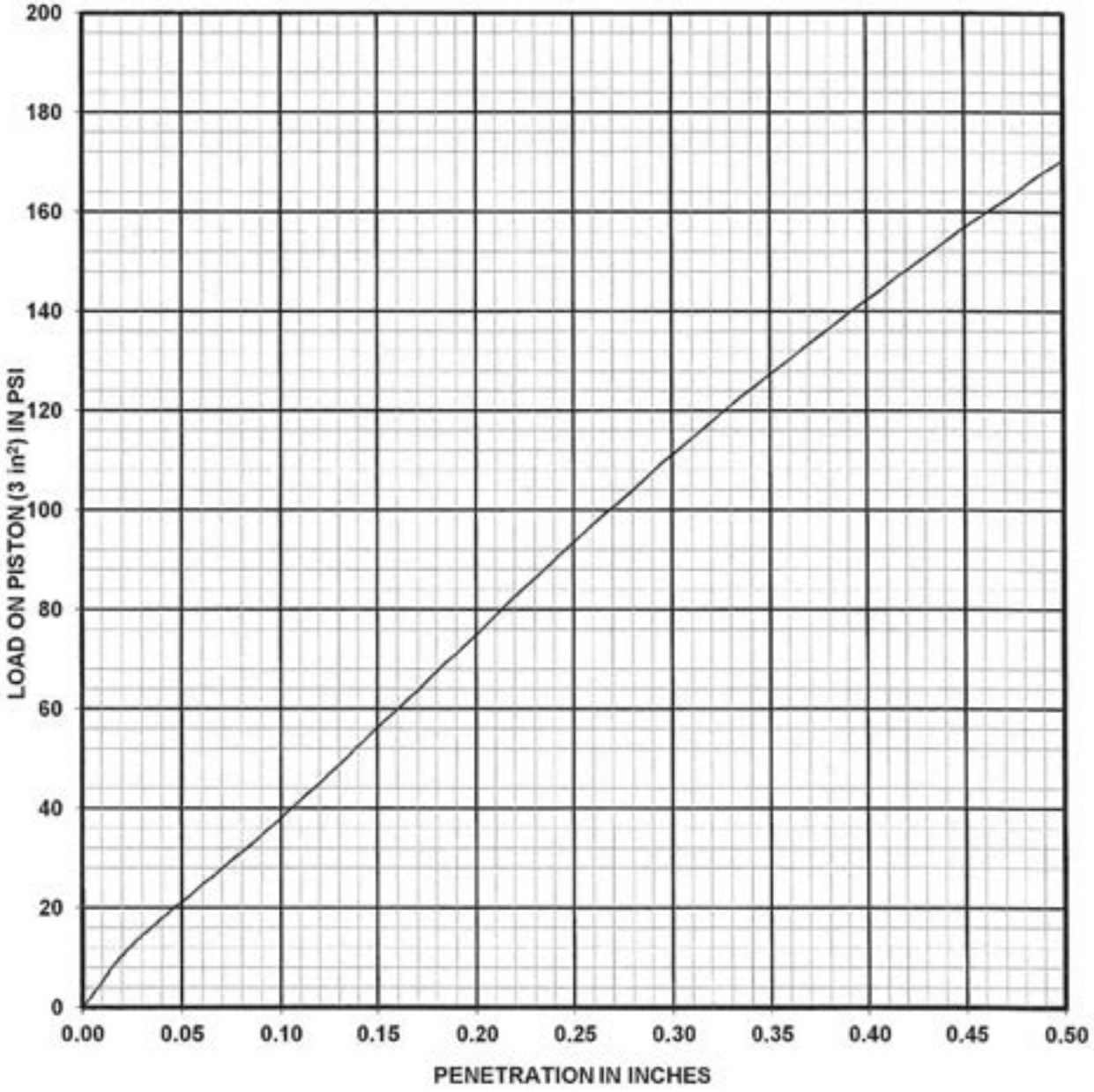
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR =** 2.7* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 129

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: TP 2-12 at 1' to 2' CS#: 13346
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 90 hours

Dry Density:	as molded	107 pcf	Moisture Content:	as molded	18	percent
	after soaking	109 pcf		top 1-inch after soaking	18	percent
Swell:	after soaking	-0.3 percent		average after soaking	18	percent

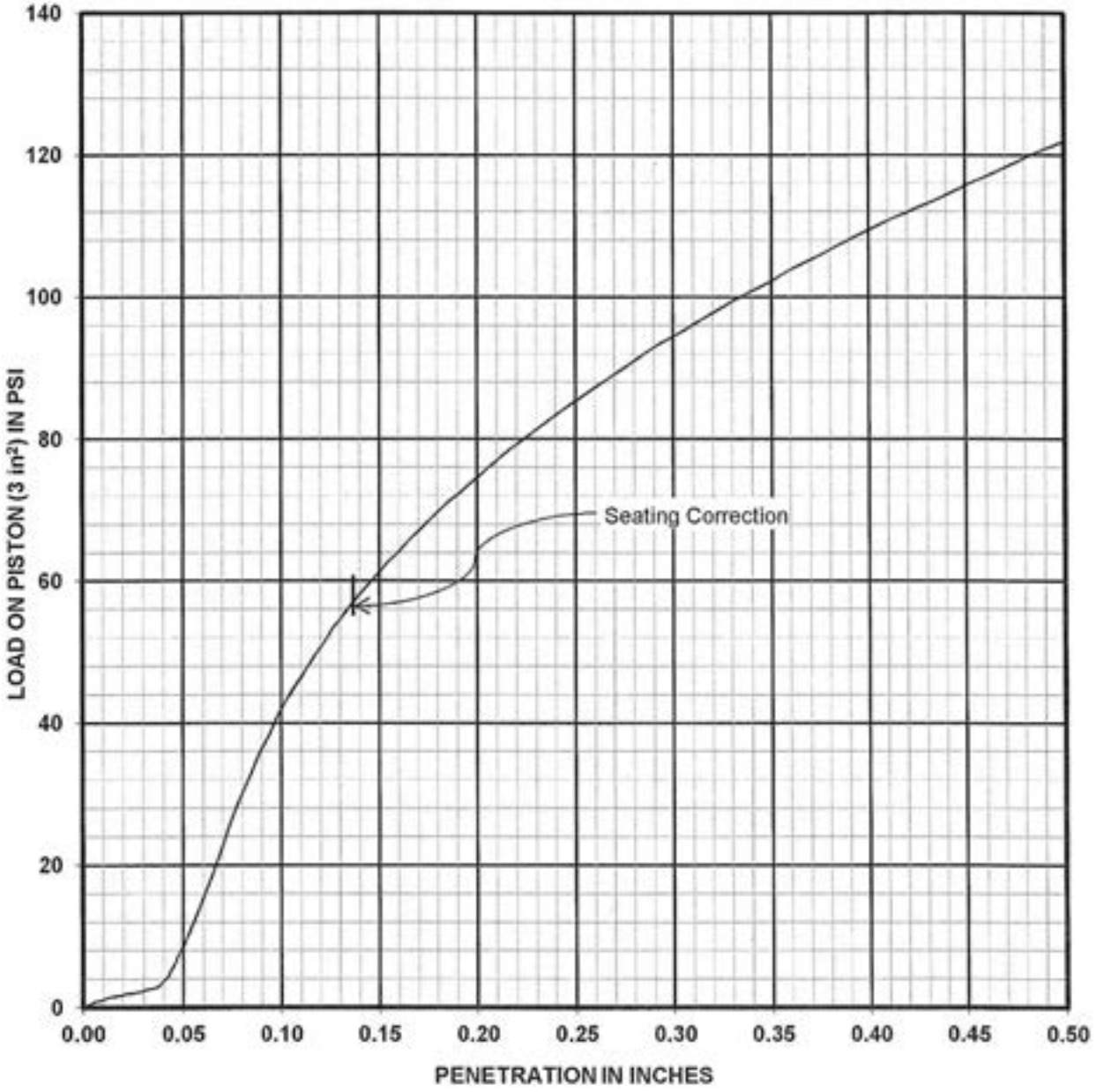
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR = 2.8*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 130

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: TP 2-13 at 1' to 2' CS#: 13347
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 89 hours

Dry Density:	as molded	99 pcf	Moisture Content:	as molded	24	percent
	after soaking	99 pcf		top 1-inch after soaking	24	percent
Swell:	after soaking	0.2 percent		average after soaking	24	percent

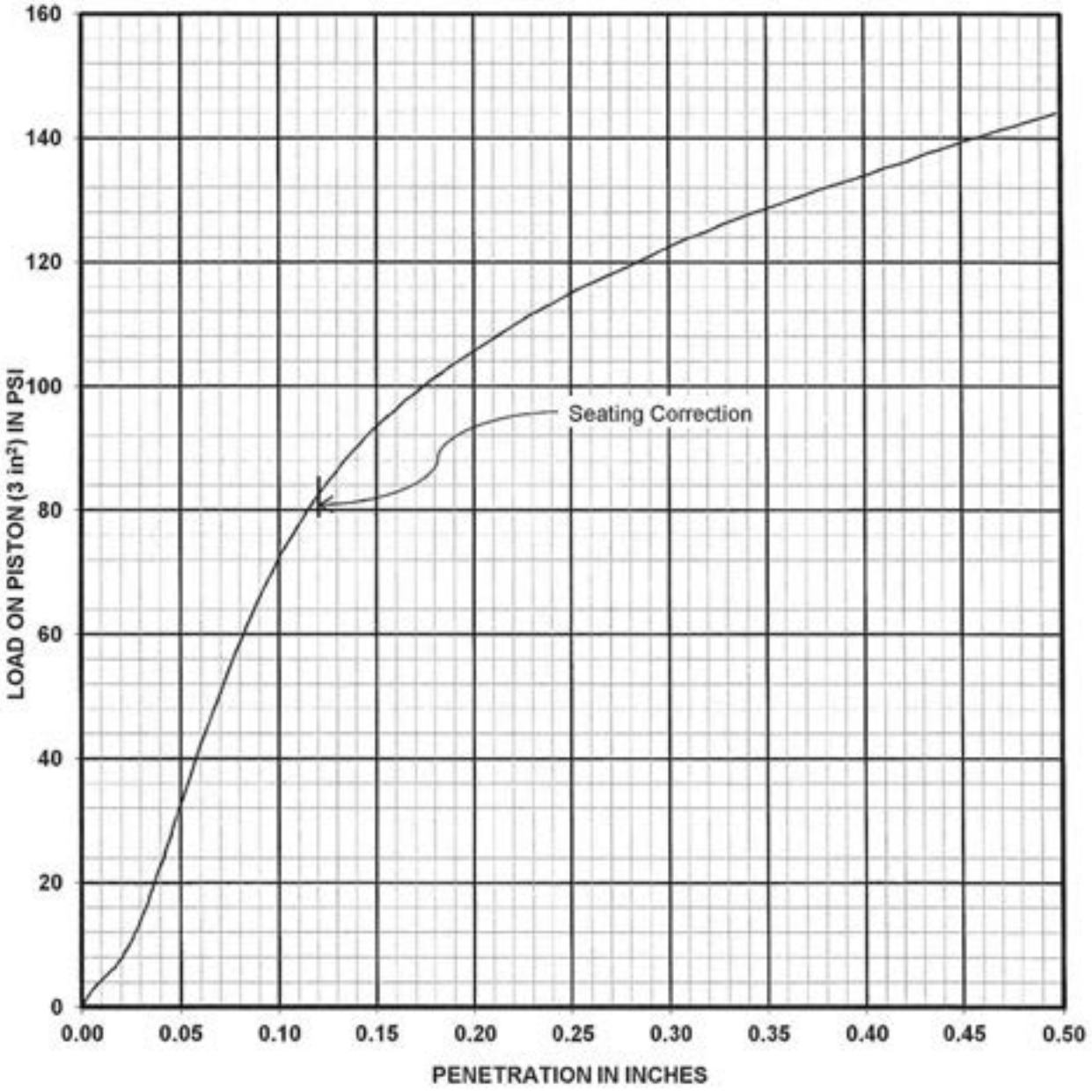
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR = 2.9*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140650 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 131

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: TP 2-14 at 1' to 2' CS#: 13348
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 91 hours

Dry Density:	as molded 97 pcf		Moisture Content:	as molded 22	percent
	after soaking 98 pcf			top 1-inch after soaking 24	percent
Swell:	after soaking 0.5 percent			average after soaking 24	percent

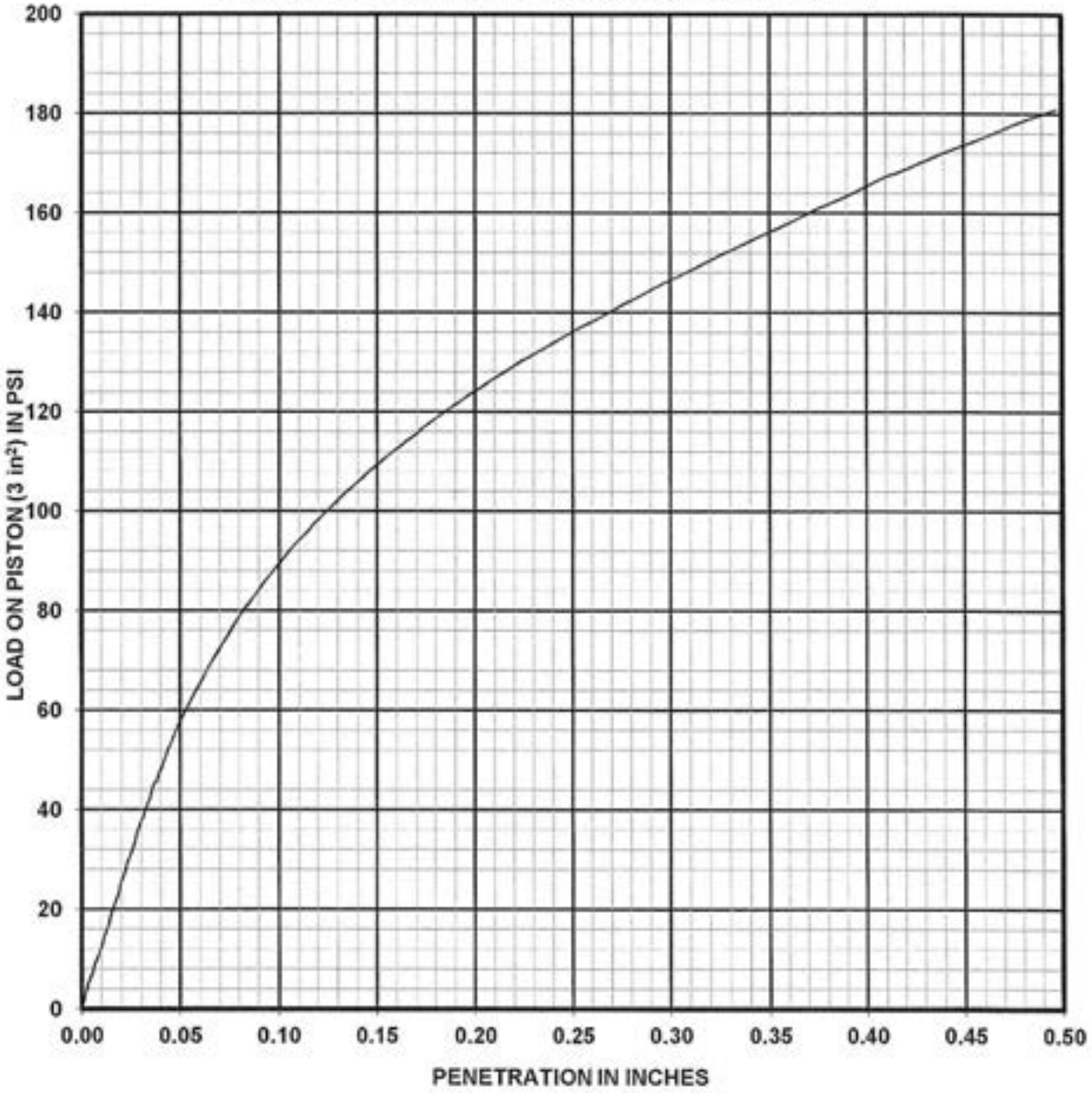
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 4.1* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 132

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: TP 2-15 at 1' to 2' CS#: 13349
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 91 hours

Dry Density:	as molded	103 pcf	Moisture Content:	as molded	20	percent
	after soaking	107 pcf		top 1-inch after soaking	21	percent
Swell:	after soaking	-1.8 percent		average after soaking	21	percent

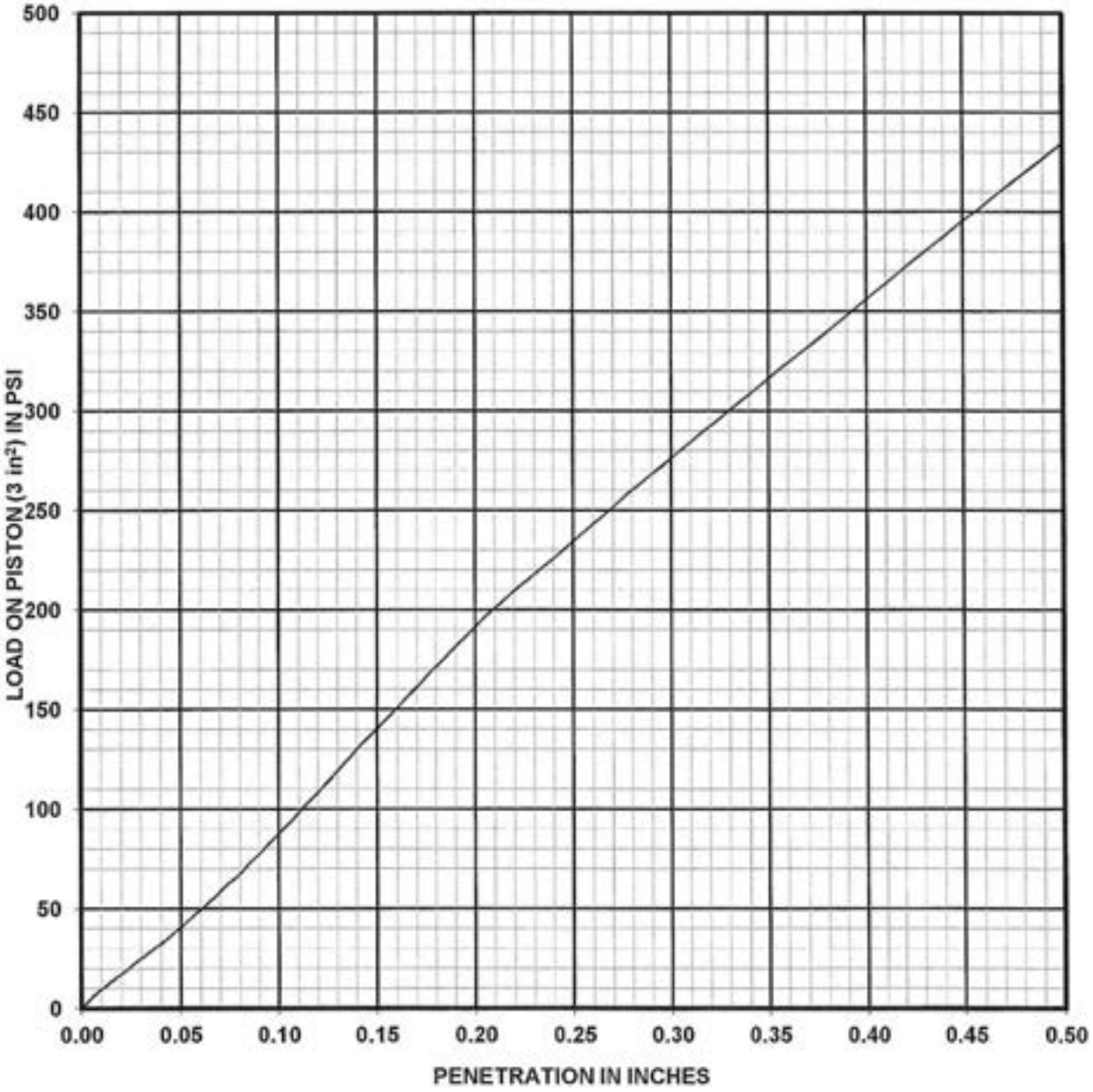
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR = 4.5*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 133

Applied Geotechnical Engineering Consultants, Inc.



Sample of Clayey Sand (SC)
Location: TP 2-16 at 1' to 2' CS#: 13350
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 91 hours

Dry Density:	as molded	114 pcf	Moisture Content:	as molded	14	percent
	after soaking	115 pcf		top 1-inch after soaking	14	percent
Swell:	after soaking	-0.2 percent		average after soaking	14	percent

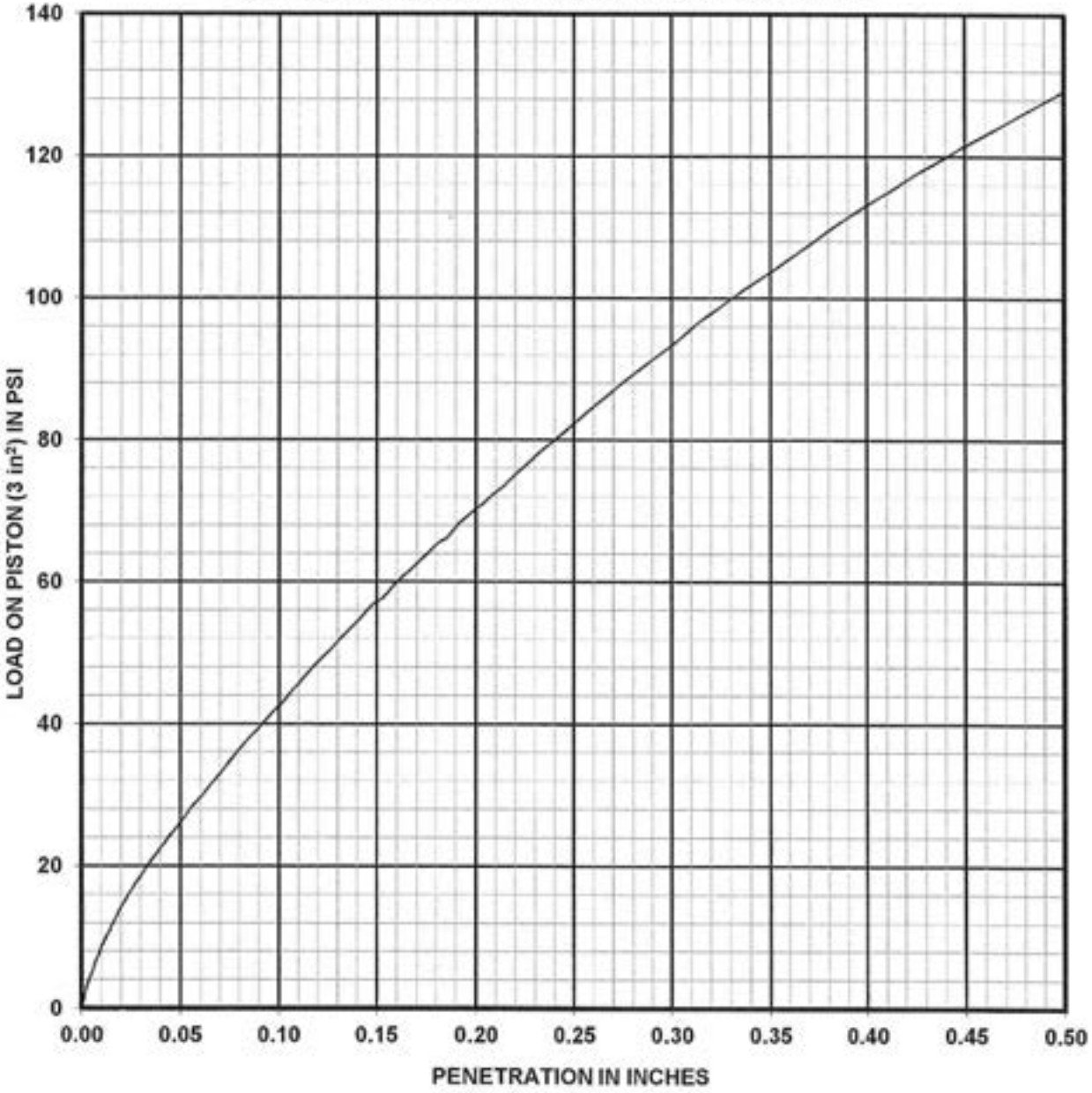
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR = 9.5*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 134

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: TP 2-17 at 1' to 2' CS#: 13351
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 93 hours

Dry Density:	as molded	110 pcf	Moisture Content:	as molded	18 percent
	after soaking	111 pcf		top 1-inch after soaking	18 percent
Swell:	after soaking	-0.1 percent		average after soaking	18 percent

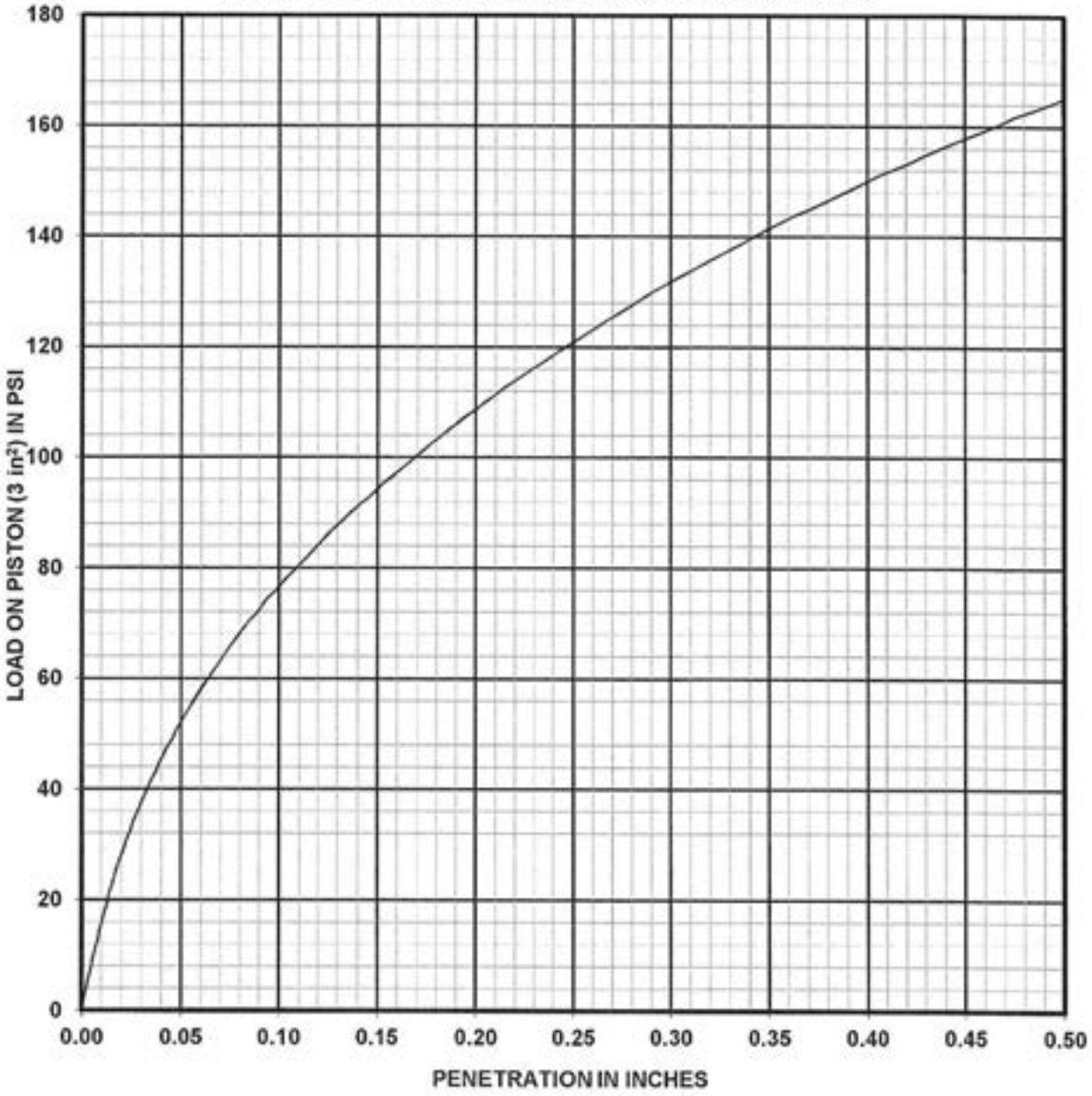
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR = 2.8*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 135

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: TP 2-18 at 1' to 2' CS#: 13352
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 94 hours

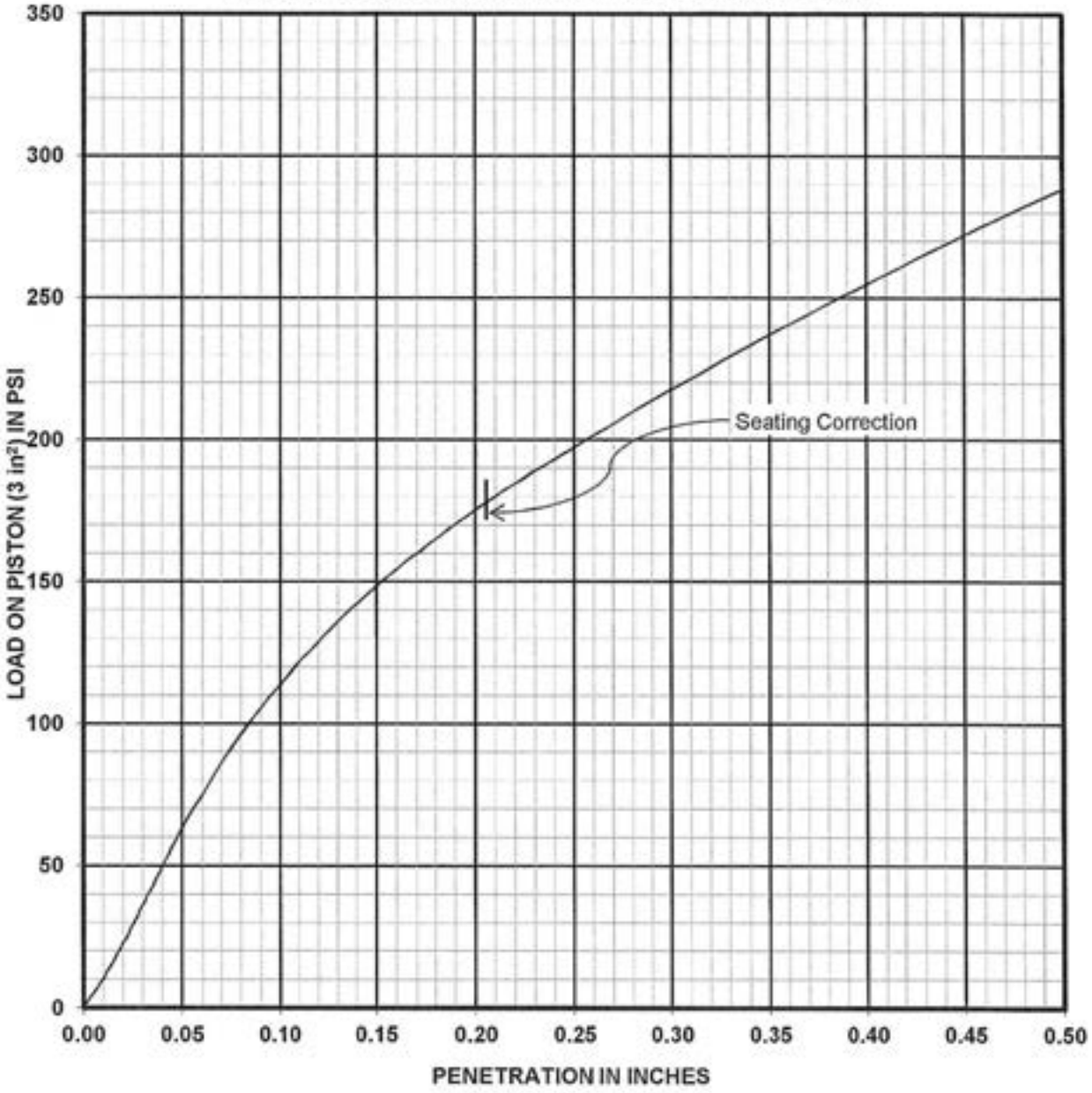
Dry Density: as molded 107 pcf
after soaking 109 pcf
Swell: after soaking 0.0 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 18 percent
top 1-inch after soaking 18 percent
average after soaking 18 percent

Bearing Ratio of Sample, CBR = 3.8* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 136

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: TP 2-19 at 1' to 2' CS#: 13353
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 93 hours

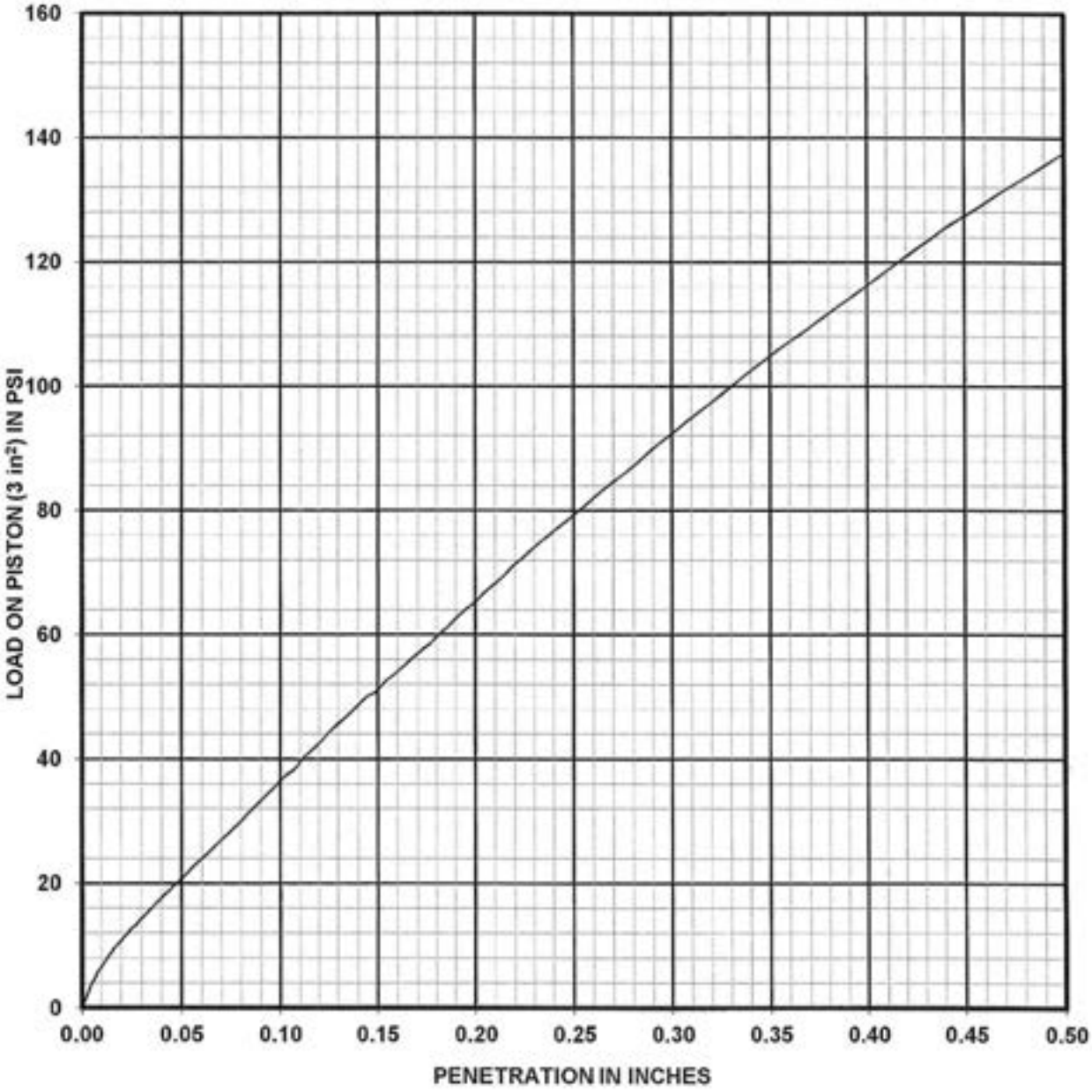
Dry Density: as molded 102 pcf
after soaking 103 pcf
Swell: after soaking 0.3 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 19 percent
top 1-inch after soaking 21 percent
average after soaking 21 percent

Bearing Ratio of Sample, **CBR = 5.9*** percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 137

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: TP 2-20 at 1' to 2' CS#: 13354
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 89 hours

Dry Density:	as molded	104 pcf	Moisture Content:	as molded	20 percent
	after soaking	105 pcf		top 1-inch after soaking	20 percent
Swell:	after soaking	-0.1 percent		average after soaking	20 percent

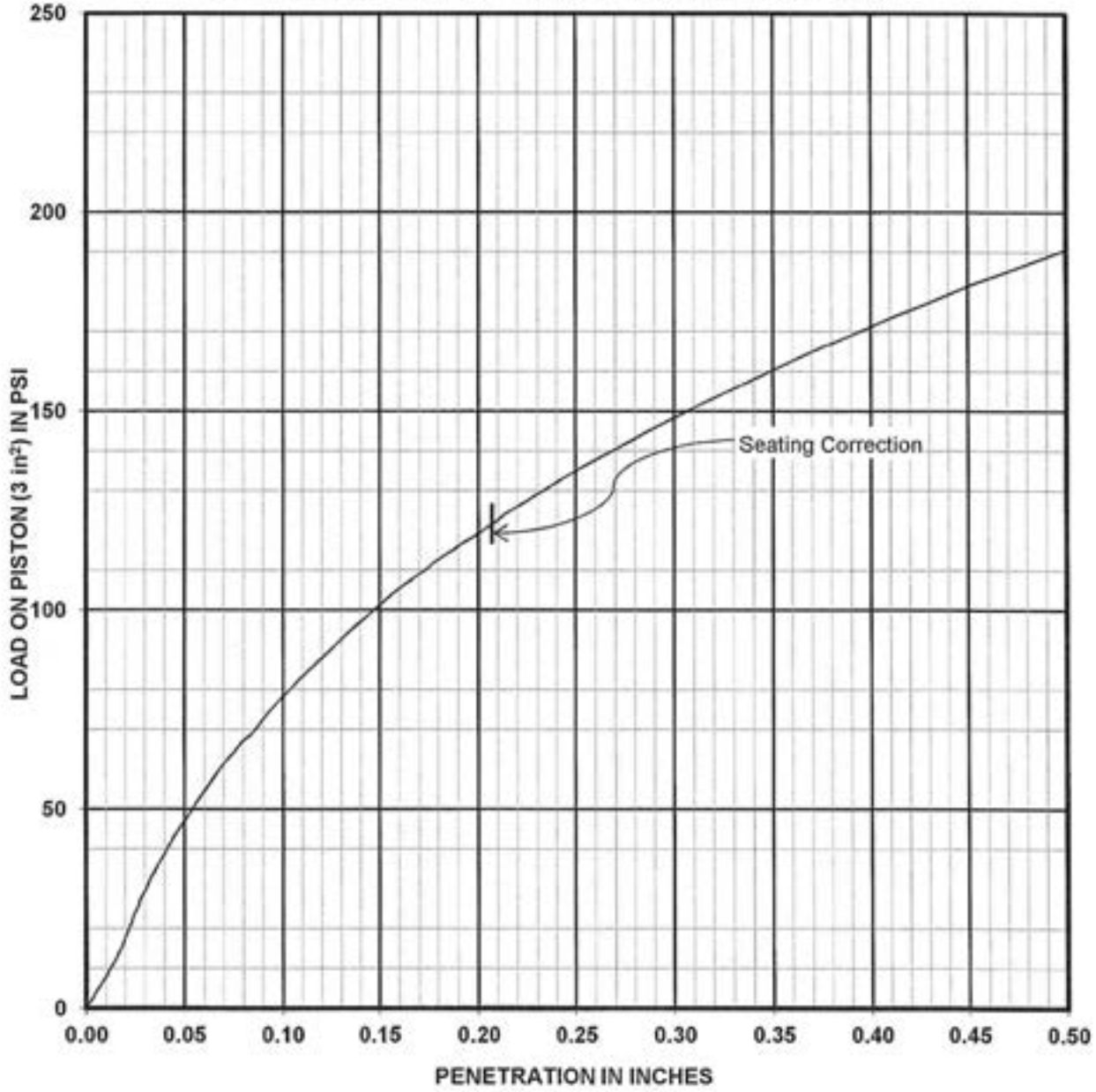
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 2.1* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 138

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: TP 2-21 at 1' to 2' CS#: 13355
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 93 hours

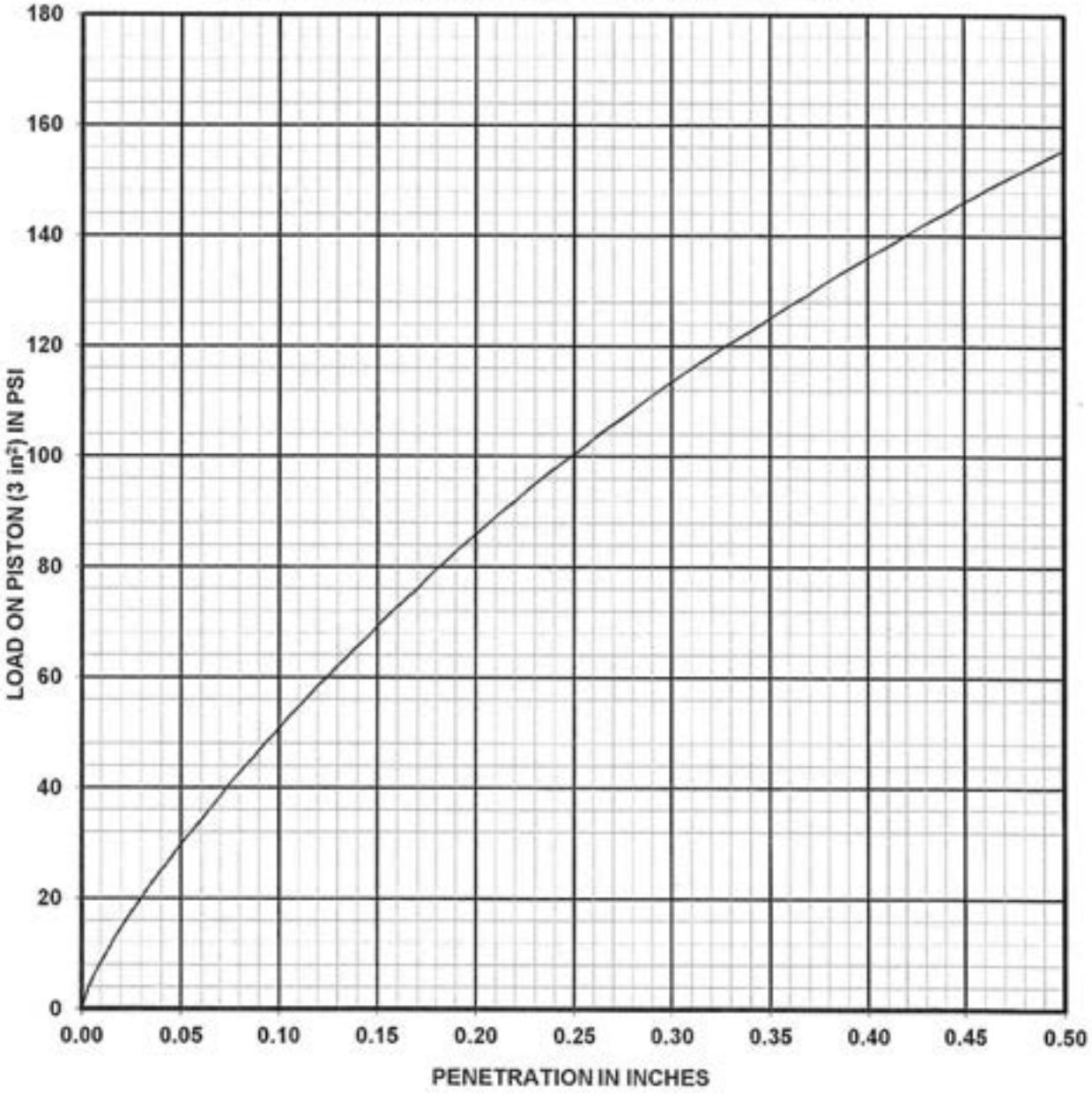
Dry Density: as molded 108 pcf
after soaking 110 pcf
Swell: after soaking 0.1 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 18 percent
top 1-inch after soaking 17 percent
average after soaking 17 percent

Bearing Ratio of Sample, CBR = 4.7* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 139

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay
Location: TP 2-22 at 1' to 2' CS#: 13356
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for -8664 hours

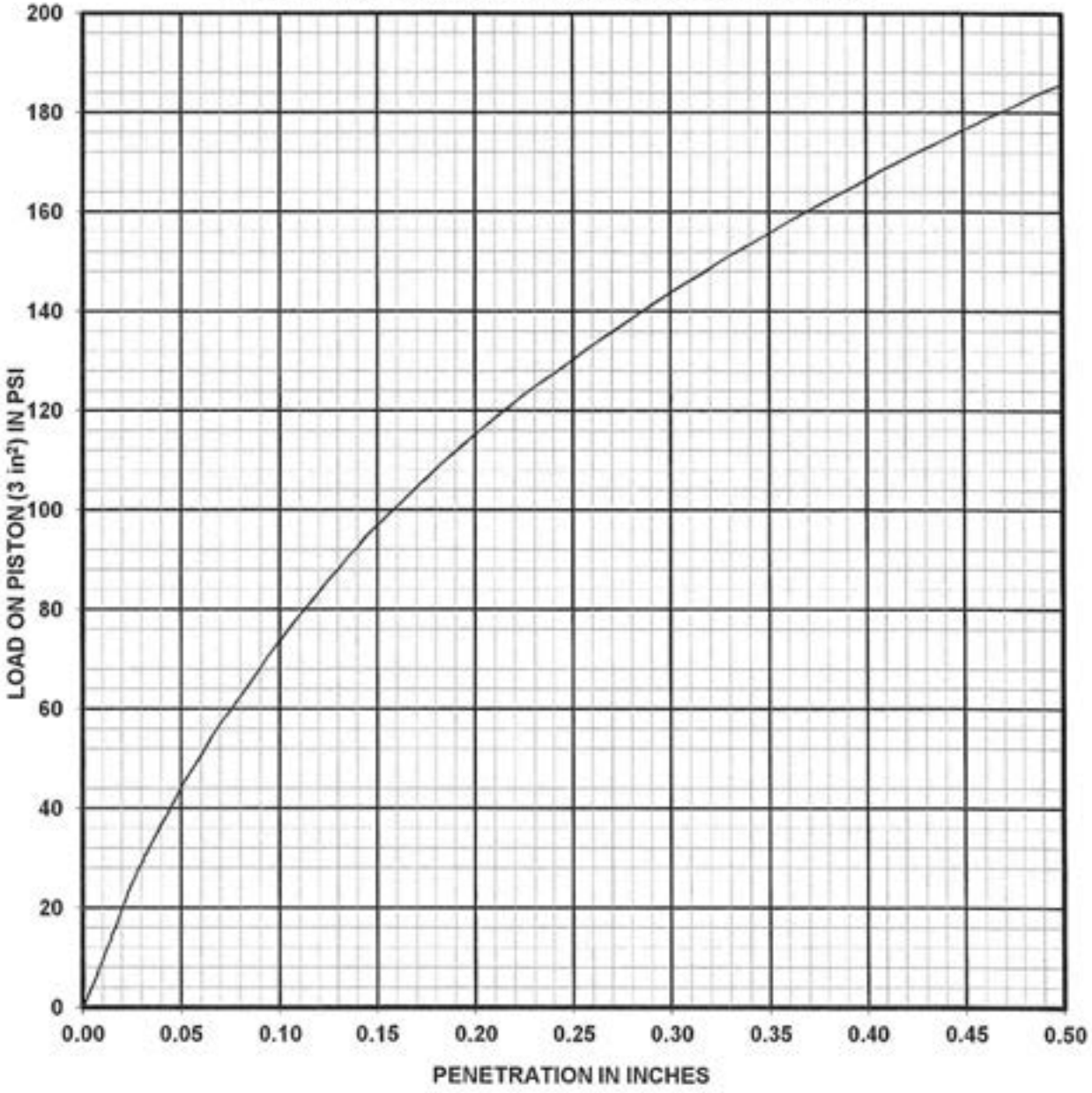
Dry Density: as molded 102 pcf
after soaking 104 pcf
Swell: after soaking 0.0 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 21 percent
top 1-inch after soaking 21 percent
average after soaking 21 percent

Bearing Ratio of Sample, **CBR = 3.0*** percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 140

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: TP 2-23 at 1' to 2' CS#: 13357
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 98 hours

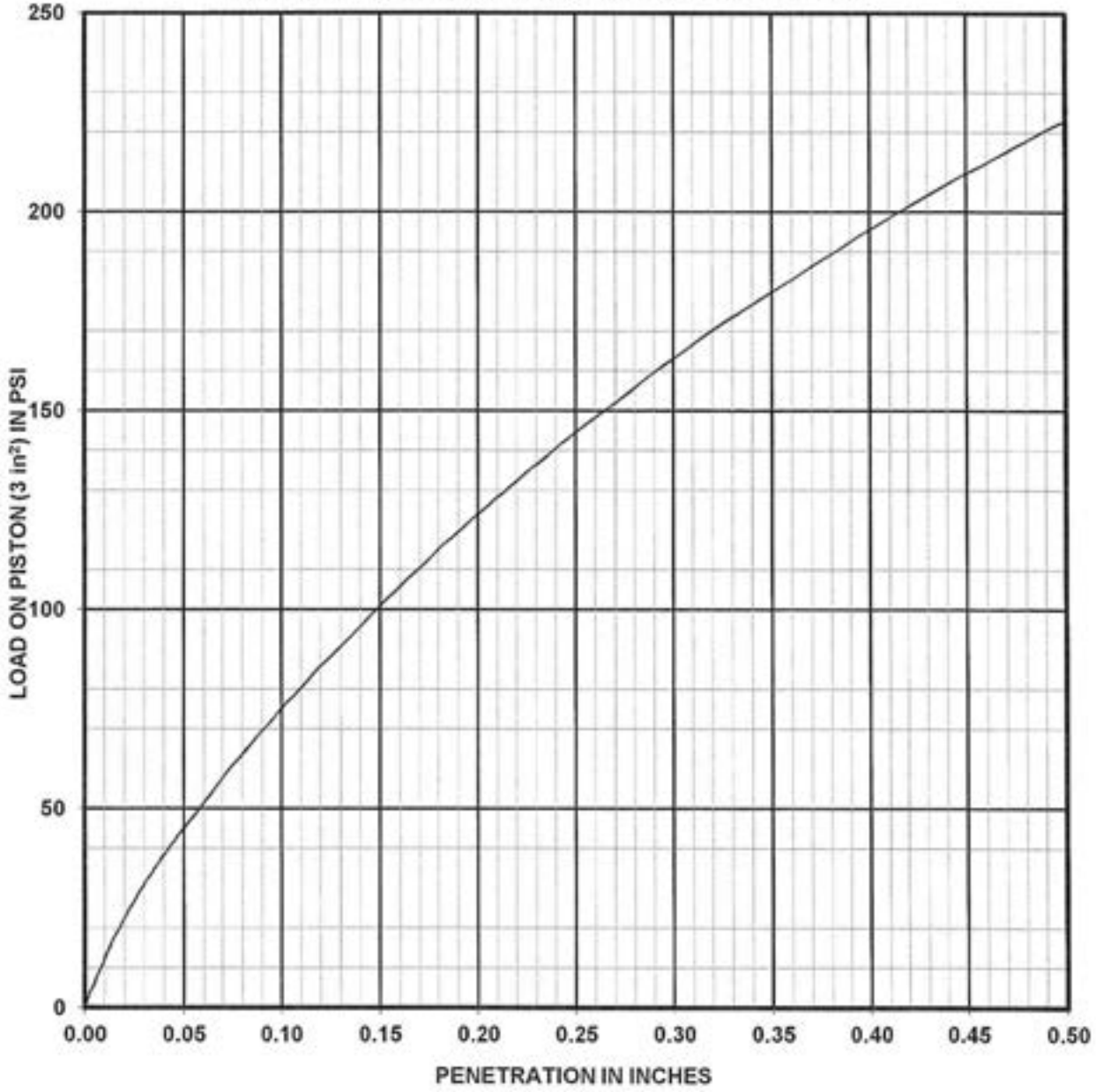
Dry Density:	as molded	109 pcf	Moisture Content:	as molded	17	percent
	after soaking	111 pcf		top 1-inch after soaking	17	percent
Swell:	after soaking	0.1 percent		average after soaking	17	percent

(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 3.9* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 141

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: TP 2-24 at 1' to 2' CS#: 13358
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 90 hours

Dry Density:	as molded	109 pcf	Moisture Content:	as molded	18 percent
	after soaking	110 pcf		top 1-inch after soaking	18 percent
Swell:	after soaking	0.0 percent		average after soaking	18 percent

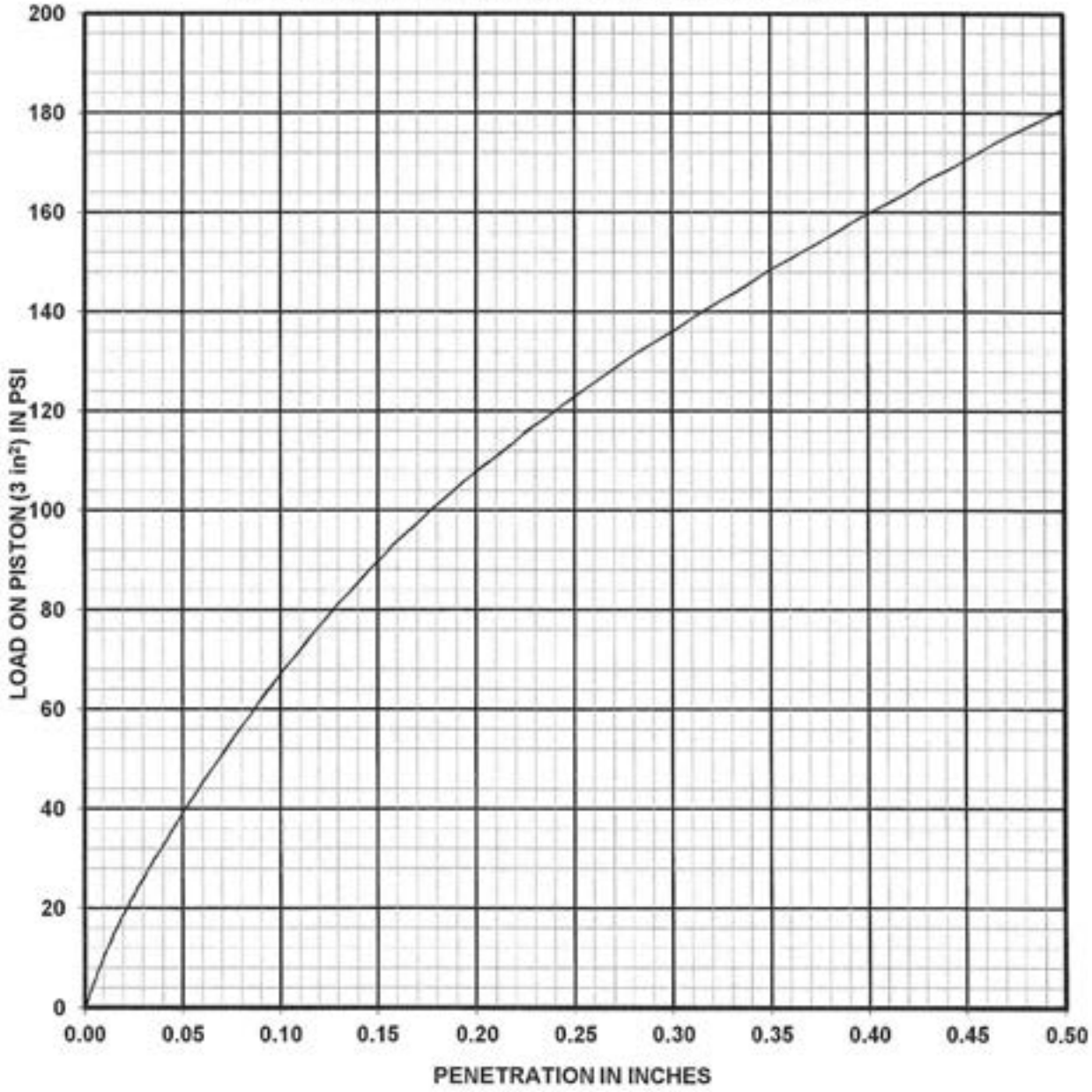
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR = 4.2*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 142

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: TP 2-25 at 1' to 2' CS#: 13359
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 97 hours

Dry Density:	as molded	100 pcf	Moisture Content:	as molded	20	percent
	after soaking	102 pcf		top 1-inch after soaking	21	percent
Swell:	after soaking	0.1 percent		average after soaking	21	percent

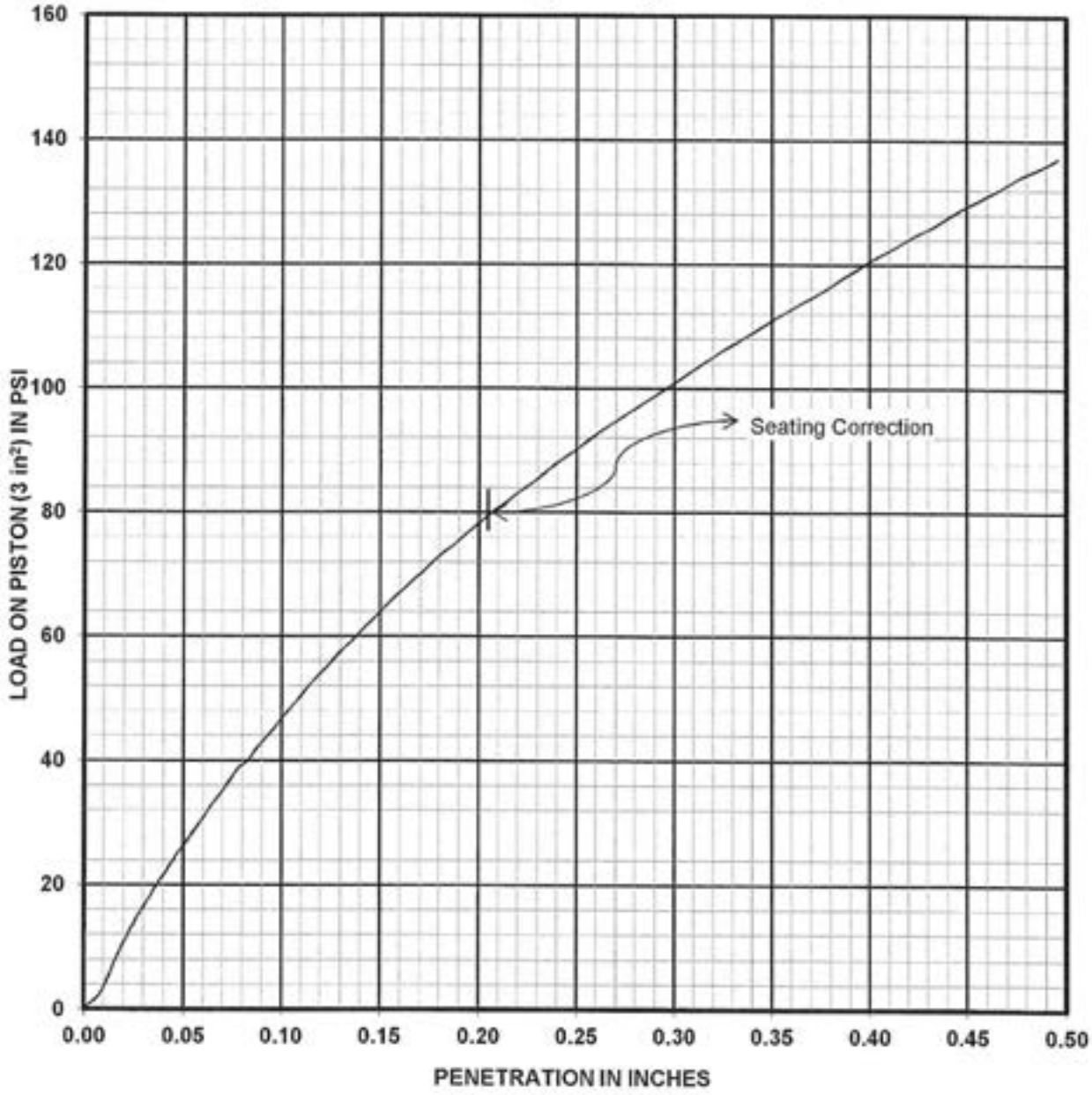
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 3.6* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 143

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: TP 2-26 at 1' to 2' CS#: 13360
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 101 hours

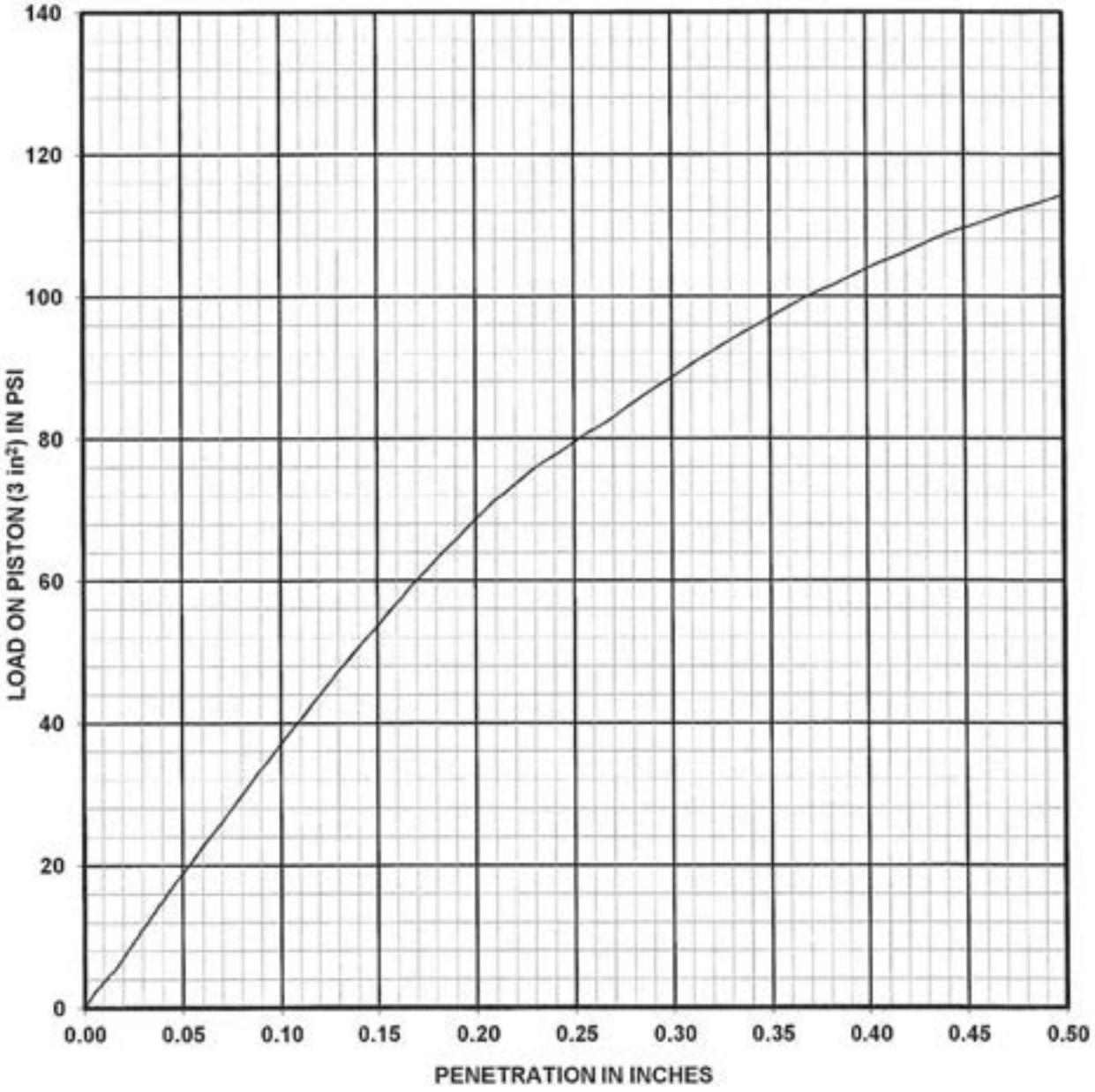
Dry Density: as molded 102 pcf
after soaking 106 pcf
Swell: after soaking -2.1 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 20 percent
top 1-inch after soaking 20 percent
average after soaking 20 percent

Bearing Ratio of Sample, CBR = 2.7* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 144

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: TP 2-27 at 1' to 2' CS#: 13361
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 92 hours

Dry Density: as molded 109 pcf
after soaking 110 pcf
Swell: after soaking 0.0 percent

Moisture Content: as molded 17 percent
top 1-inch after soaking 17 percent
average after soaking 18 percent

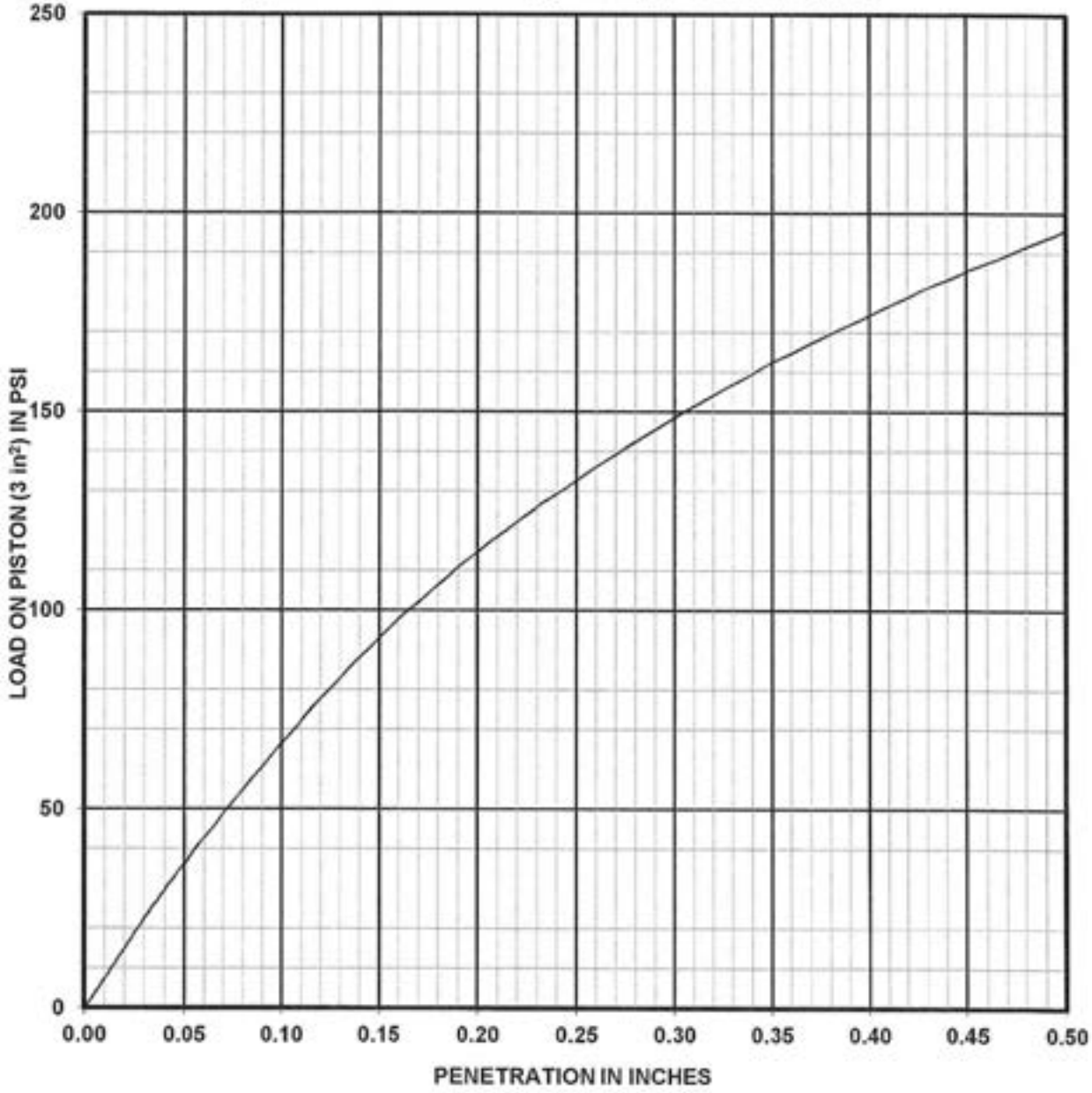
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 2.3* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 145

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: TP 2-28 at 1' to 2' CS#: 13362
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 95 hours

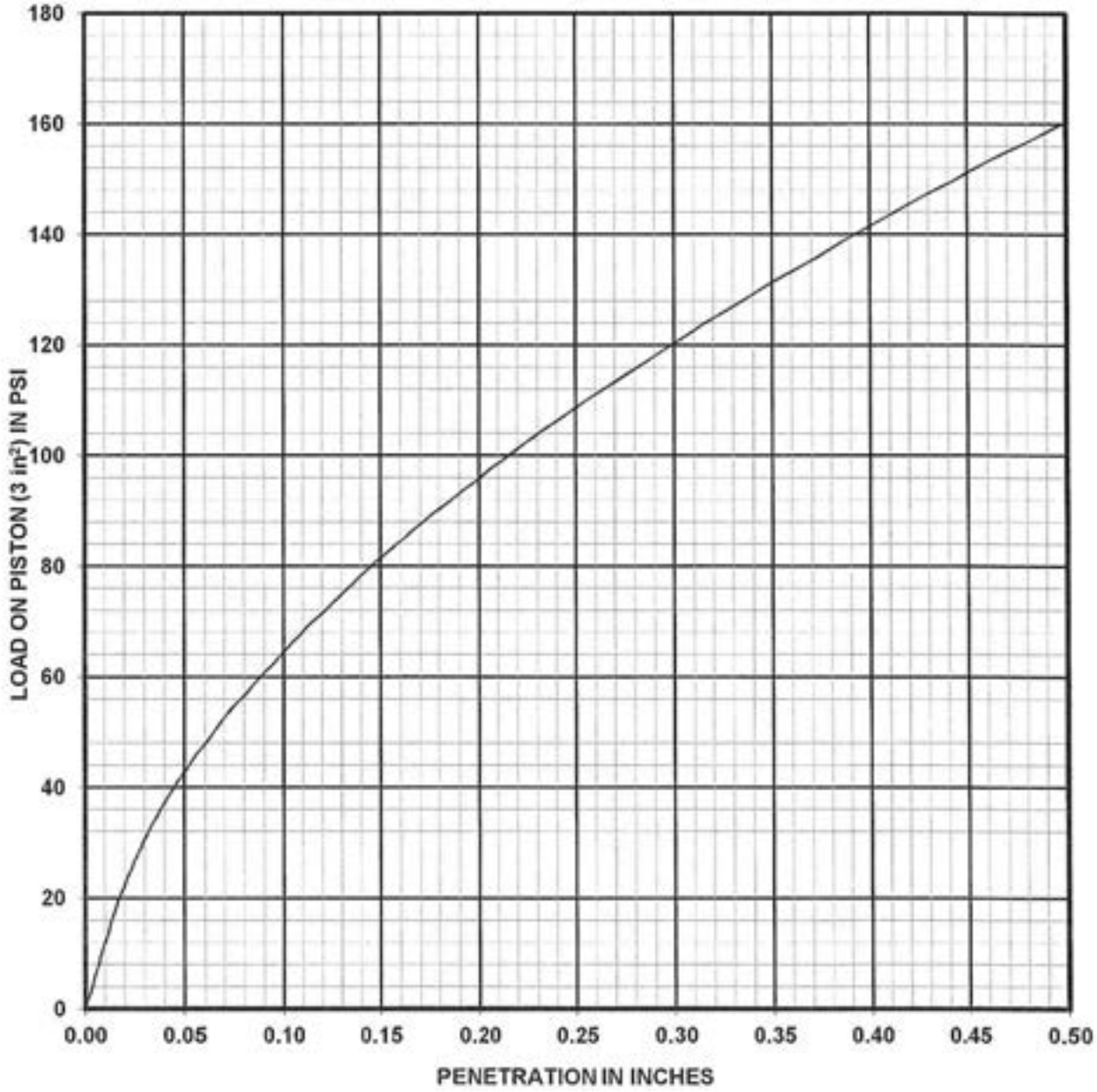
Dry Density: as molded 107 pcf
after soaking 108 pcf
Swell: after soaking 0.0 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 18 percent
top 1-inch after soaking 19 percent
average after soaking 18 percent

Bearing Ratio of Sample, **CBR = 4.6*** percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 146

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: TP 2-29 at 1' to 2' CS#: 13363
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 102 hours

Dry Density:	as molded	104 pcf	Moisture Content:	as molded	20	percent
	after soaking	105 pcf		top 1-inch after soaking	22	percent
Swell:	after soaking	0.5 percent		average after soaking	21	percent

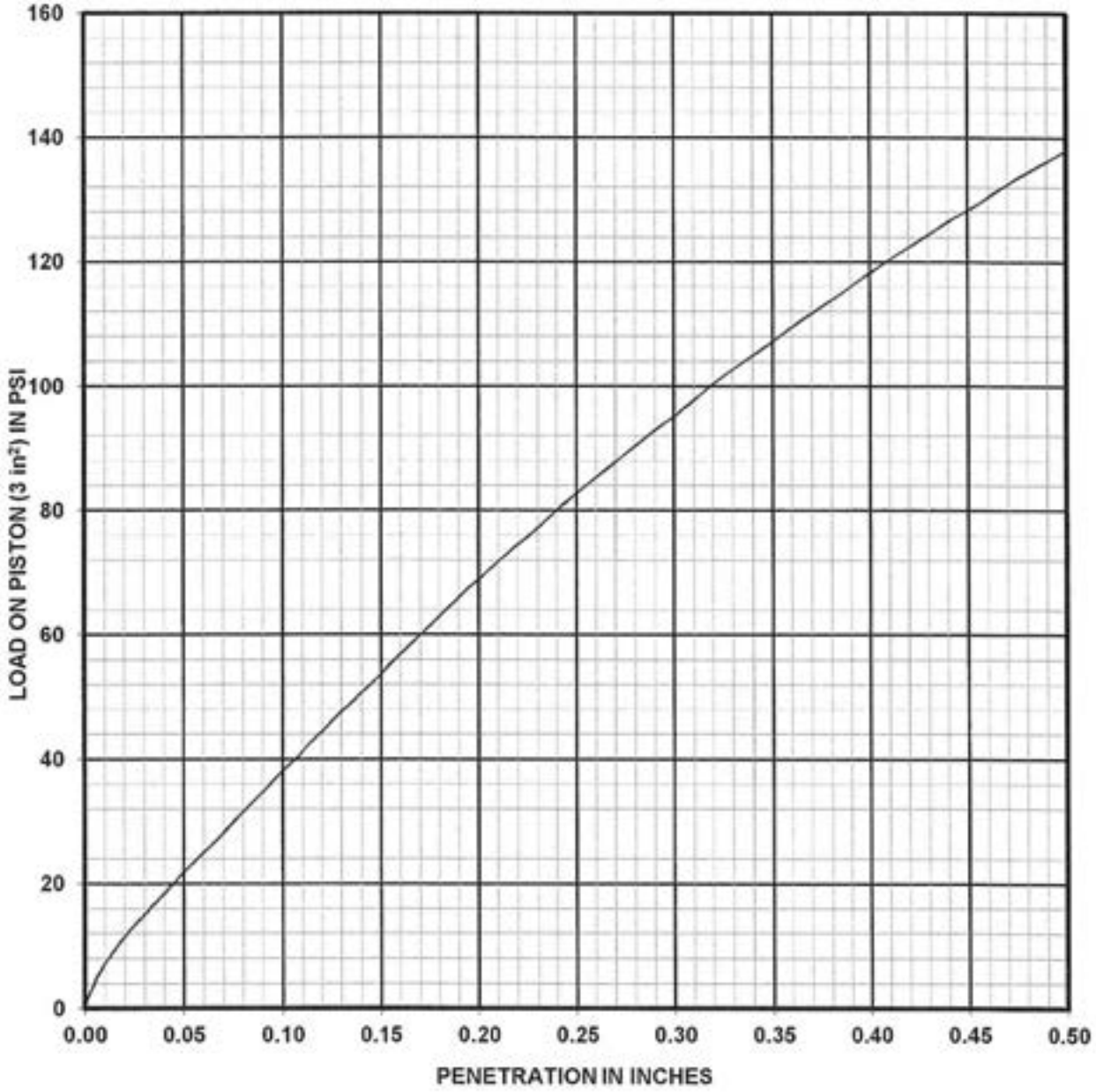
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR** = **3.2*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 147

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: TP 2-30 at 1' to 2' CS#: 13364
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 102 hours

Dry Density:	as molded	108 pcf	Moisture Content:	as molded	18	percent
	after soaking	110 pcf		top 1-inch after soaking	18	percent
Swell:	after soaking	-0.1 percent		average after soaking	18	percent

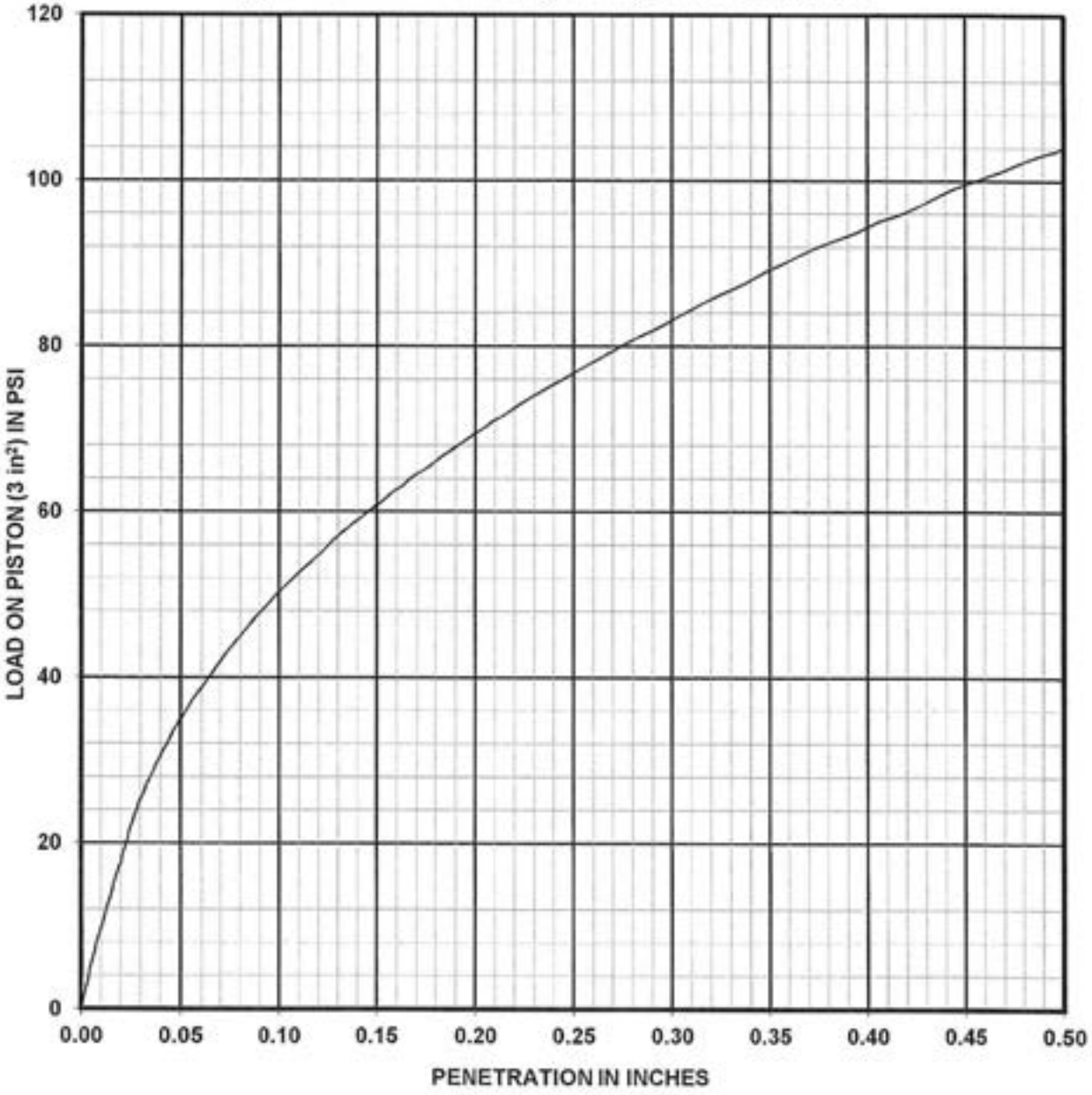
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 2.3* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 148

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: TP 2-31 at 1' to 2' CS#: 13366
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 89 hours

Dry Density:	as molded	100 pcf	Moisture Content:	as molded	23	percent
	after soaking	101 pcf		top 1-inch after soaking	24	percent
Swell:	after soaking	0.0 percent		average after soaking	23	percent

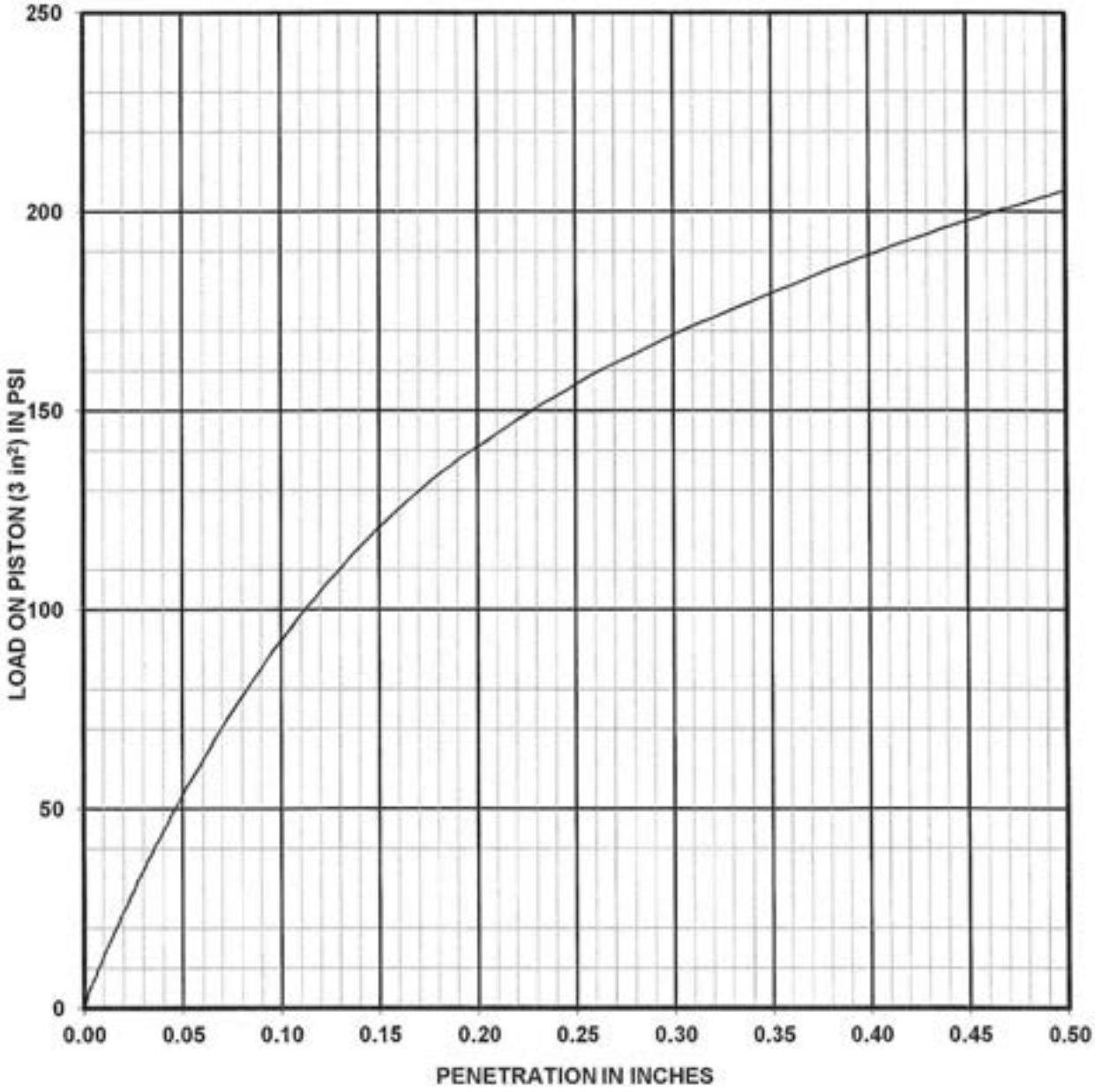
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 2.5* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 149

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: TP 2-32 at 1' to 2' CS#: 13367
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 89 hours

Dry Density:	as molded	106 pcf	Moisture Content:	as molded	18	percent
	after soaking	106 pcf		top 1-inch after soaking	19	percent
Swell:	after soaking	0.3 percent		average after soaking	19	percent

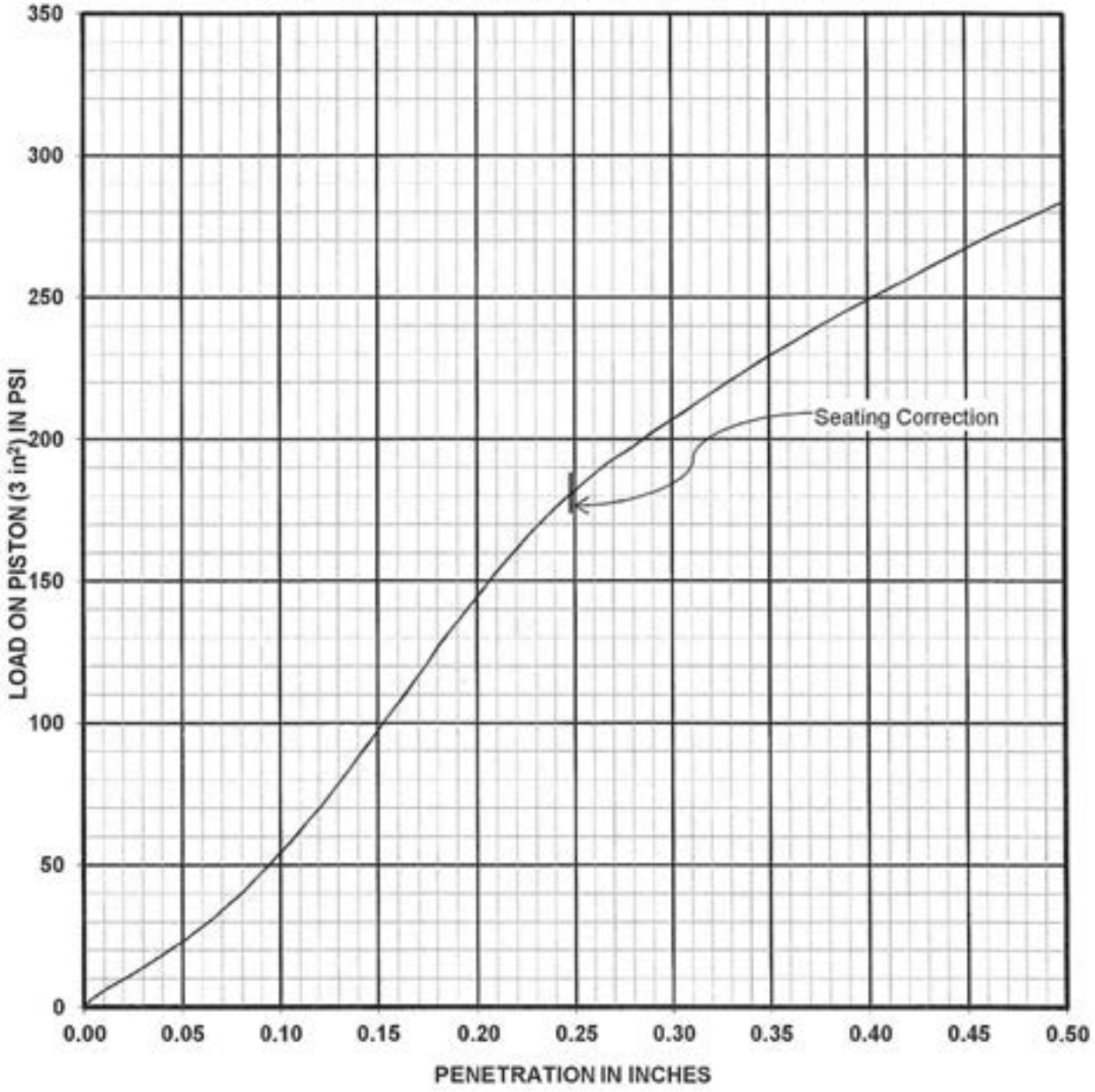
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 4.2* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 150

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: TP 2-33 at 1' to 2' CS#: 13368
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 91 hours

Dry Density:	as molded	106 pcf	Moisture Content:	as molded	16	percent
	after soaking	107 pcf		top 1-inch after soaking	18	percent
Swell:	after soaking	0.3 percent		average after soaking	18	percent

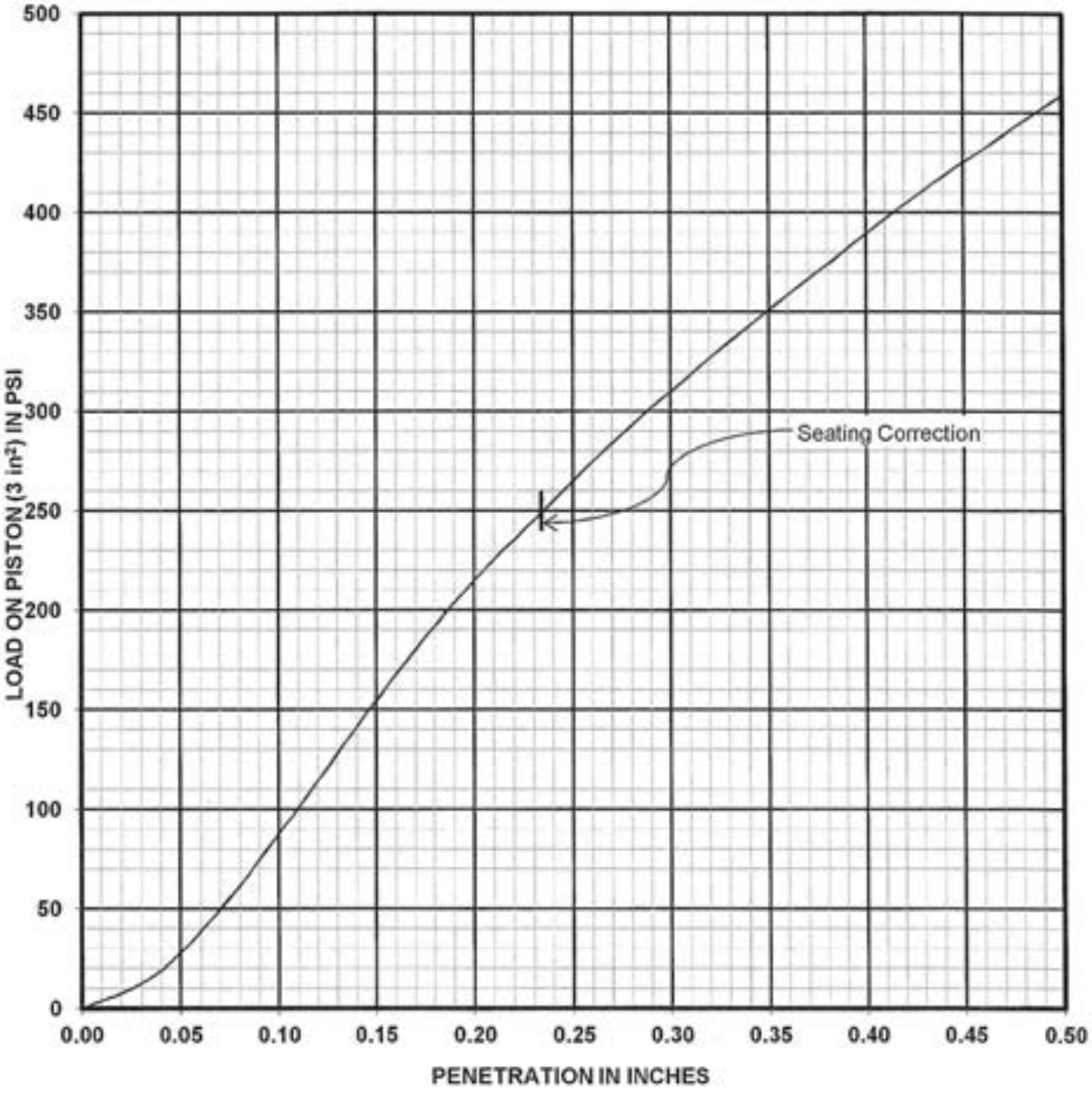
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 6.0* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 151

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: TP 2-34 at 1' to 2' CS#: 13369
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 92 hours

Dry Density:	as molded	111 pcf	Moisture Content:	as molded	15	percent
	after soaking	112 pcf		top 1-inch after soaking	16	percent
Swell:	after soaking	0.0 percent		average after soaking	16	percent

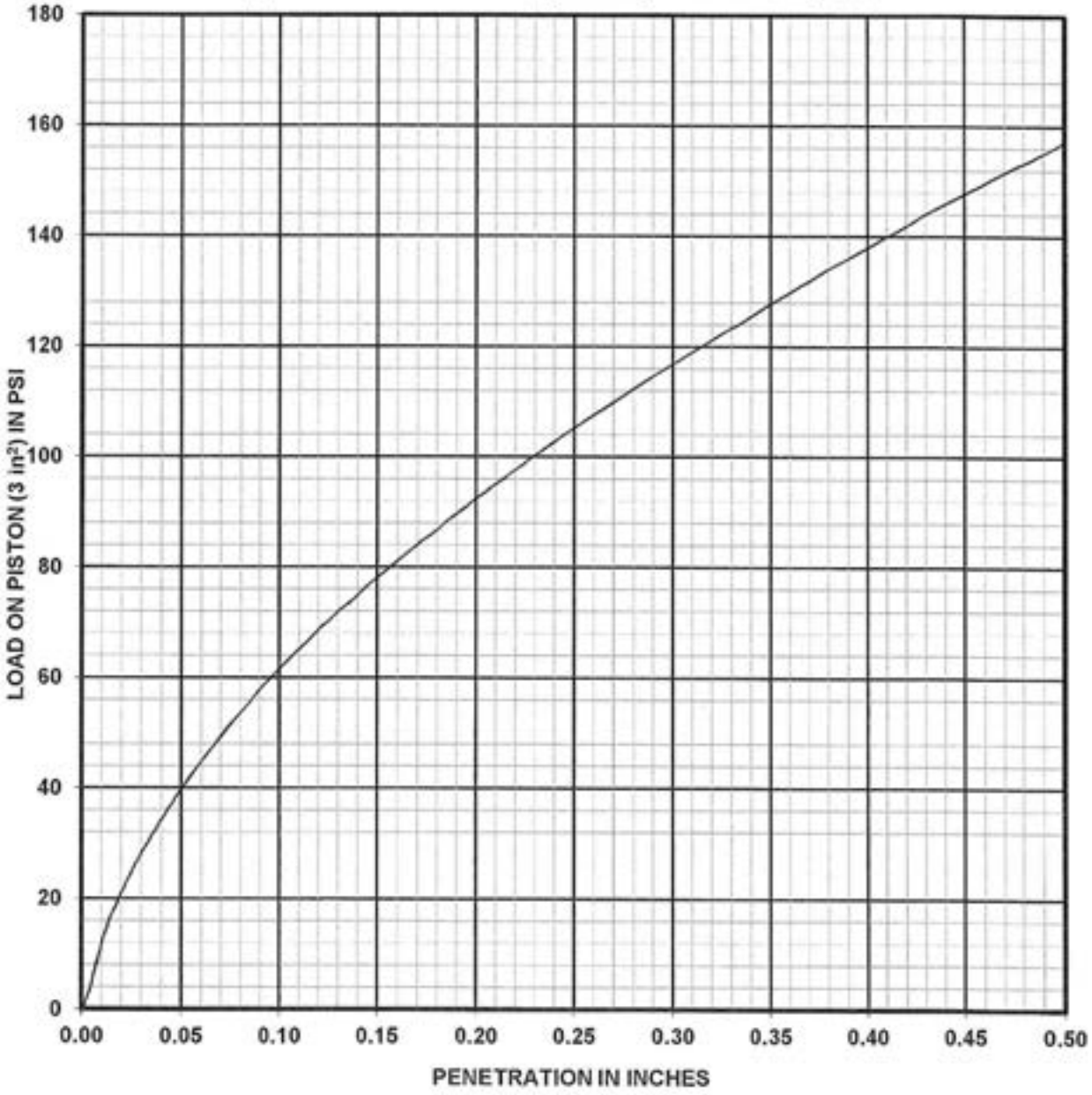
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 10* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 152

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: TP 2-35 at 1' to 2' CS#: 13370
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 92 hours

Dry Density:	as molded	106 pcf	Moisture Content:	as molded	18 percent
	after soaking	107 pcf		top 1-inch after soaking	18 percent
Swell:	after soaking	0.0 percent		average after soaking	19 percent

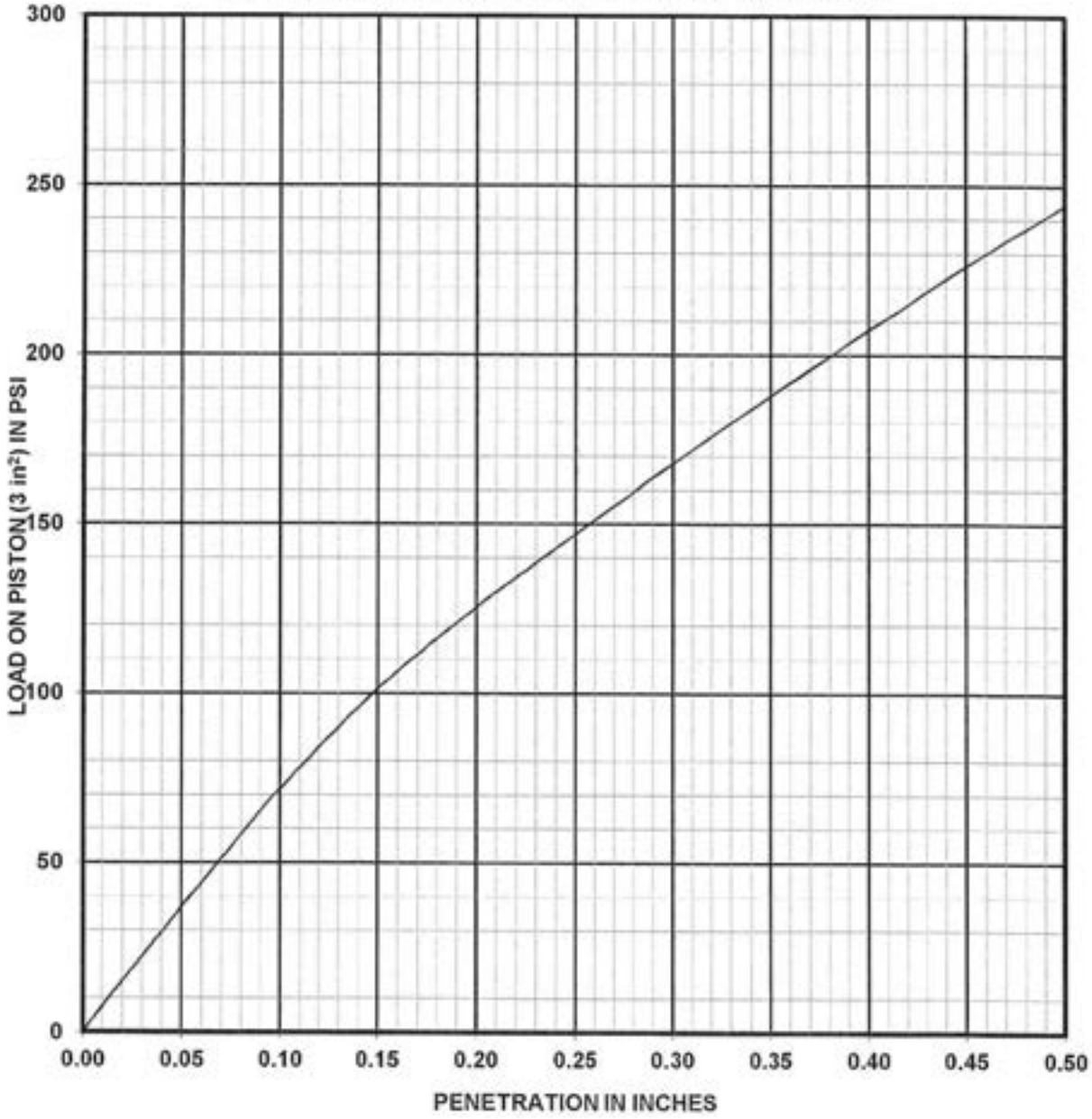
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR** = **3.1*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 153

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: CBR 2-1 1' to 3' CS#: 13173
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per AASHTO T-99 B

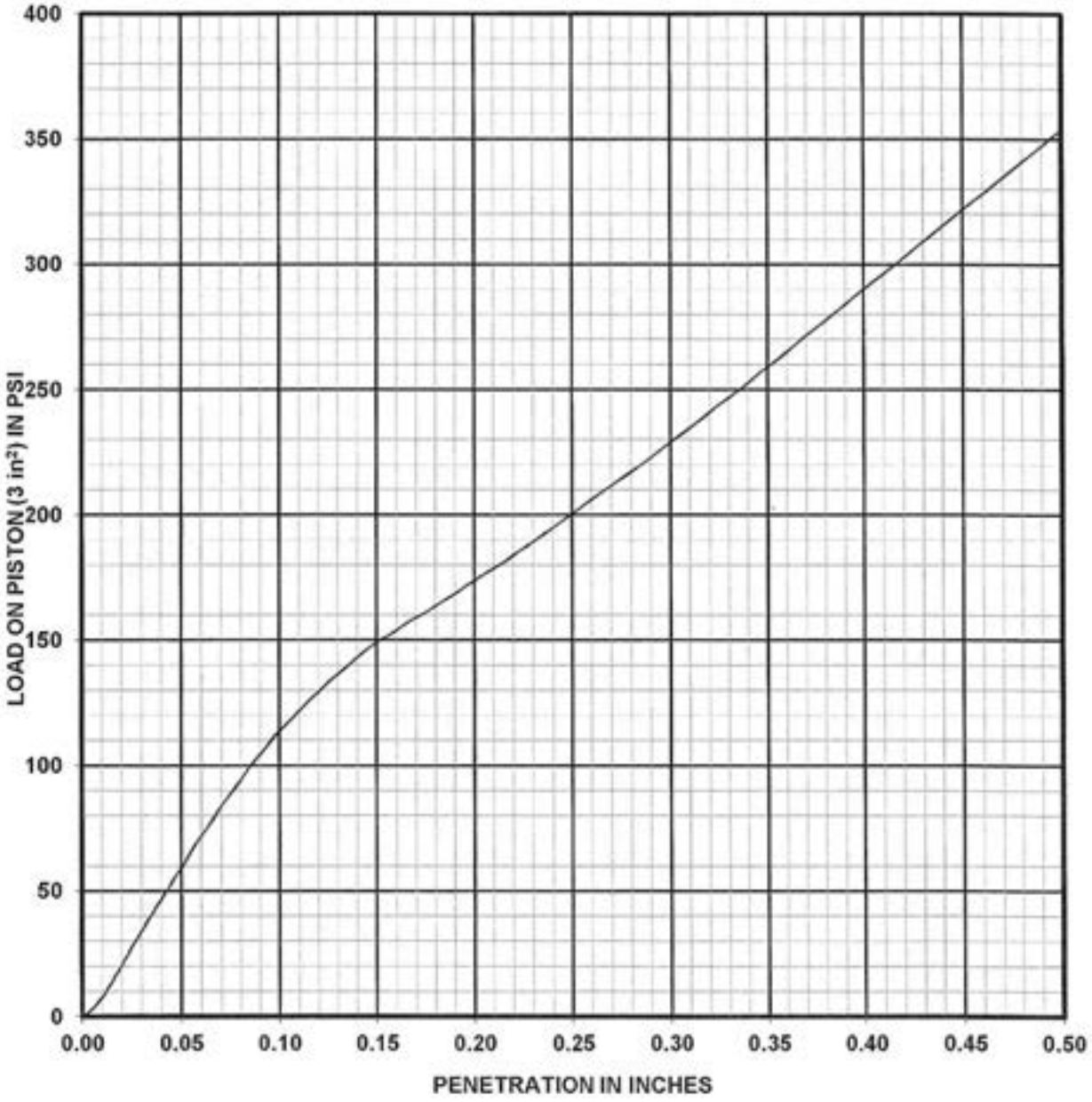
Sample penetration after soaking for 88 hours

Dry Density:	as molded	105 pcf	Moisture Content:	as molded	17	percent
	after soaking	95 pcf		top 1-inch after soaking	18	percent
Swell:	after soaking	0.2 percent		average after soaking	19	percent

Bearing Ratio of Sample, **CBR = 4.2*** percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 154

Applied Geotechnical Engineering Consultants, Inc.



Sample of Silty Sand (SM)
Location: CBR 2-2 at 1' to 3' CS #: 13174
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 84 hours

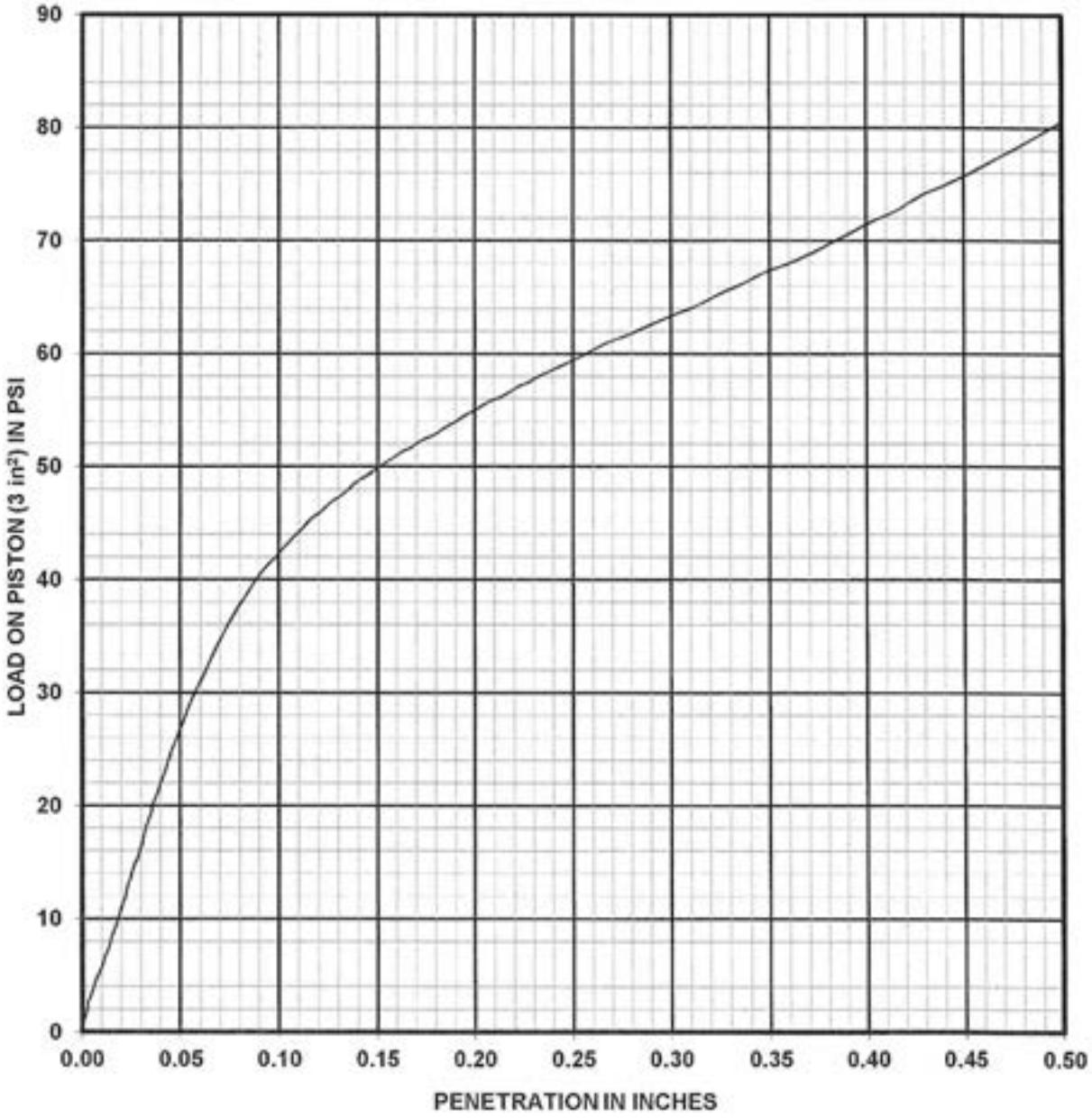
Dry Density: as molded 104 pcf
after soaking 106 pcf
Swell: after soaking 0.0 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 16 percent
top 1-inch after soaking 17 percent
average after soaking 17 percent

Bearing Ratio of Sample, **CBR = 8.7*** percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 155

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: CBR 2-3 1' to 3' CS#: 13144
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per AASHTO T-99 B

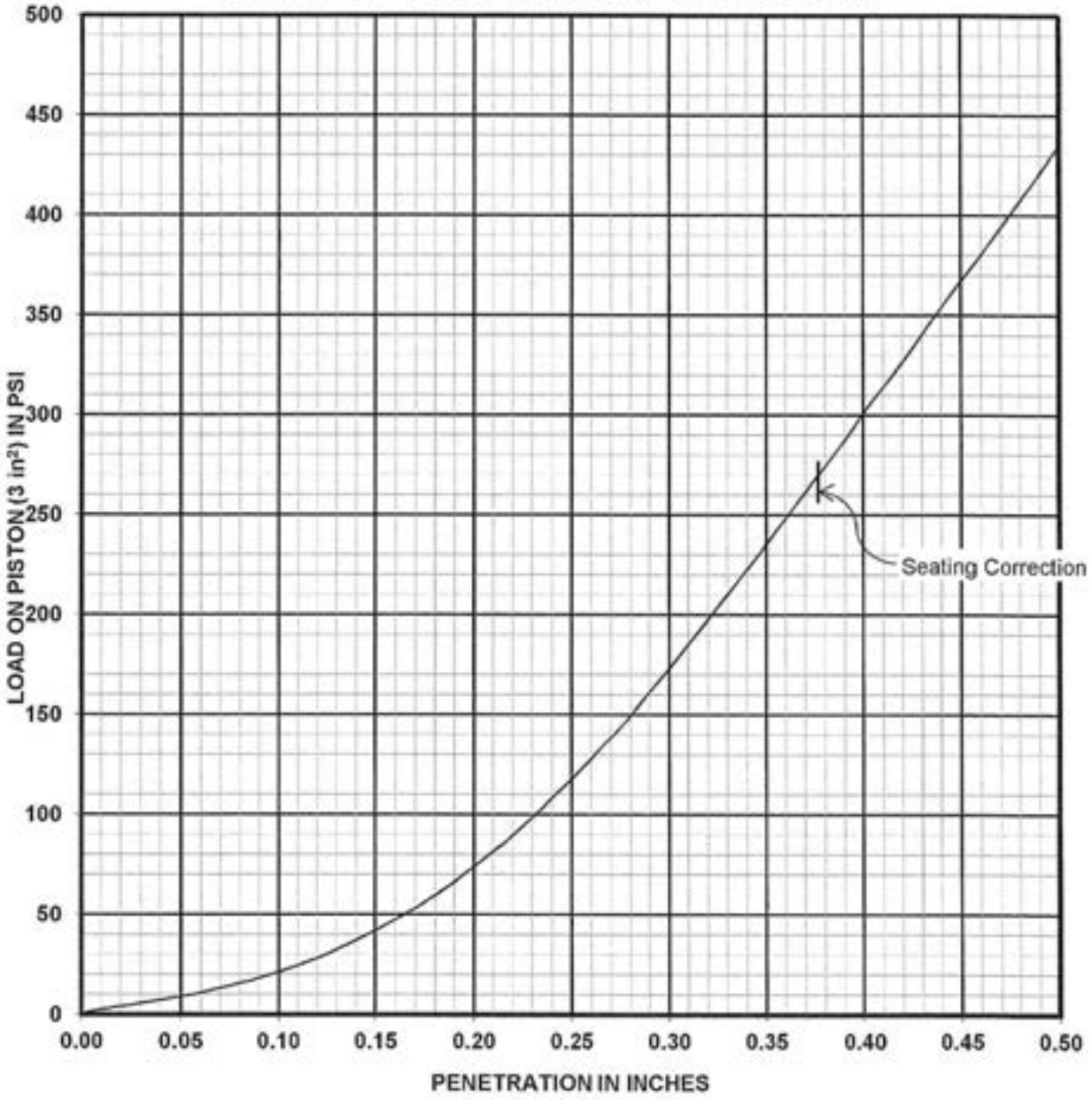
Sample penetration after soaking for 89 hours

Dry Density:	as molded	106 pcf	Moisture Content:	as molded	18	percent
	after soaking	109 pcf		top 1-inch after soaking	21	percent
Swell:	after soaking	-0.8 percent		average after soaking	21	percent

Bearing Ratio of Sample, CBR = 2.2* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 156

Applied Geotechnical Engineering Consultants, Inc.



Sample of Silty Sand (SM)
Location: CBR 2-4 at 1' to 2' CS #: 13175
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 90 hours

Dry Density:	as molded	109 pcf	Moisture Content:	as molded	14 percent
	after soaking	112 pcf		top 1-inch after soaking	14 percent
Swell:	after soaking	-0.1 percent		average after soaking	14 percent

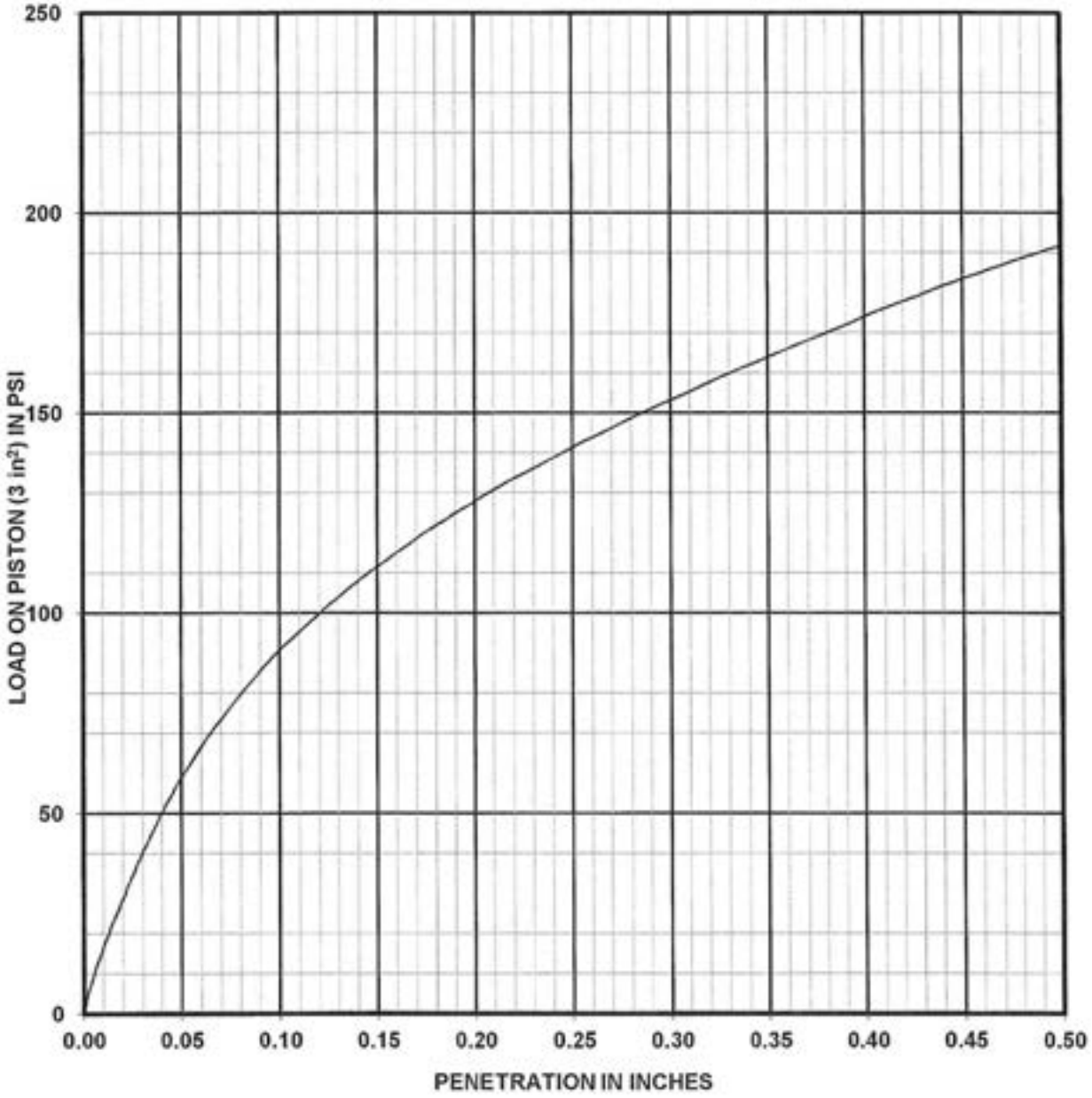
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR = 14*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 157

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: CBR 2-5 at 1' to 2' CS #: 13176
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 91 hours

Dry Density: as molded 103 pcf Moisture Content: as molded 19 percent
after soaking 104 pcf top 1-inch after soaking 19 percent
Swell: after soaking 0.7 percent average after soaking 20 percent

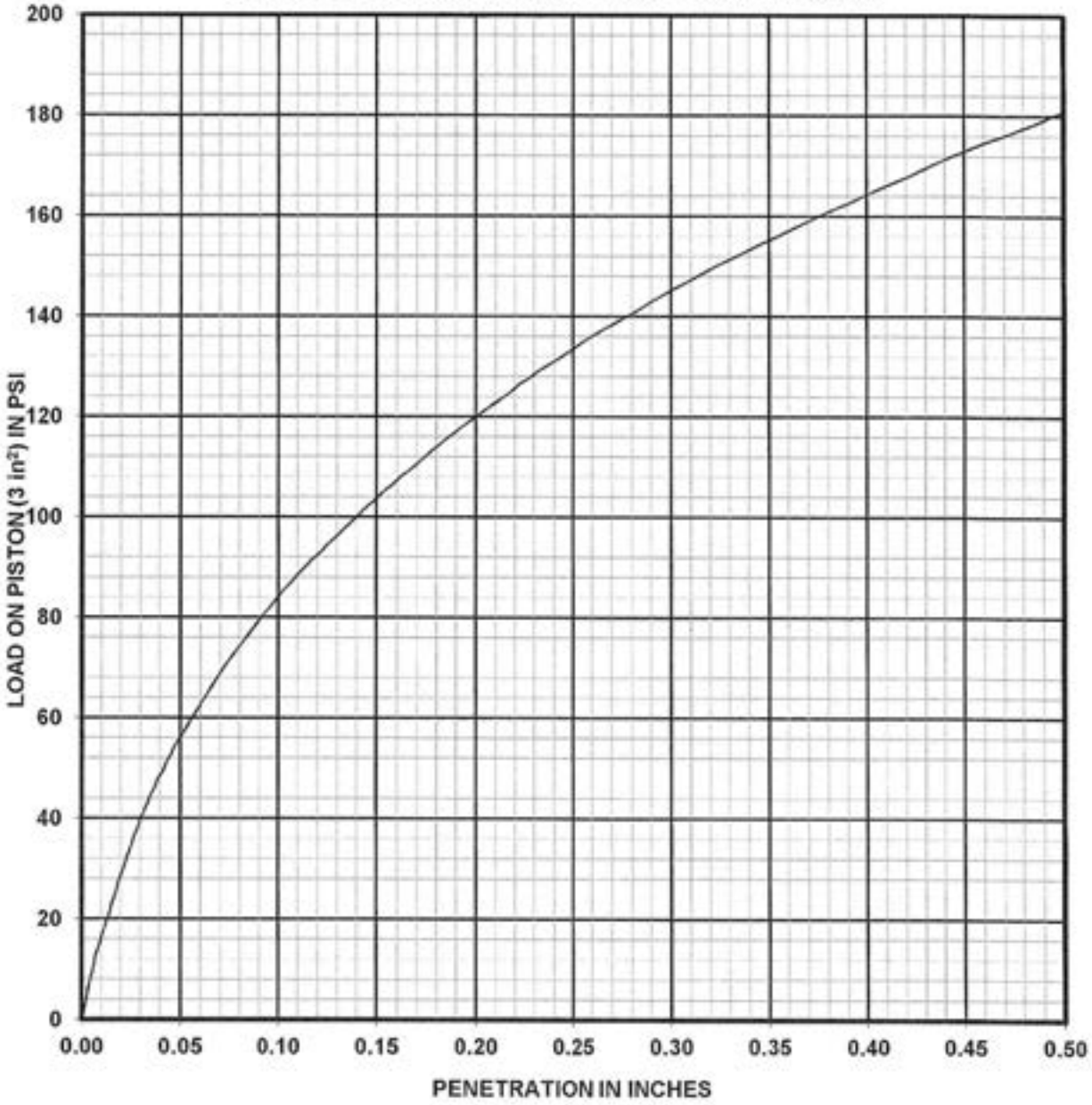
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR = 5.4*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 158

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: CBR 2-6 at 1' to 3' CS #: 13177
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 89 hours

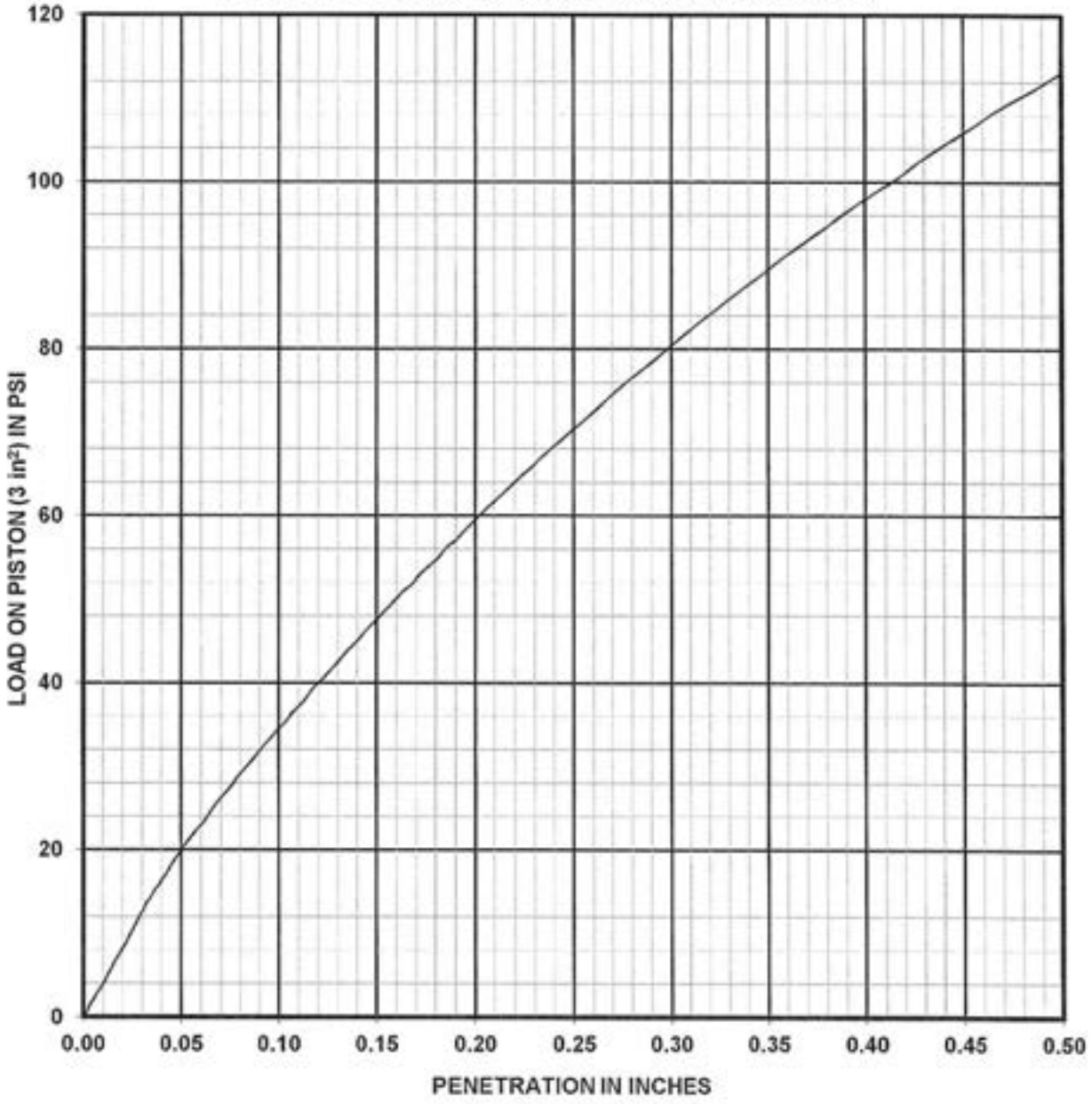
Dry Density: as molded 101 pcf
after soaking 102 pcf
Swell: after soaking 0.3 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 22 percent
top 1-inch after soaking 22 percent
average after soaking 22 percent

Bearing Ratio of Sample, **CBR = 4.2*** percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 159

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: CBR 2-7 at 1' to 3' CS #: 13178
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 66 hours

Dry Density:	as molded	105 pcf	Moisture Content:	as molded	20 percent
	after soaking	106 pcf		top 1-inch after soaking	21 percent
Swell:	after soaking	-0.1 percent		average after soaking	21 percent

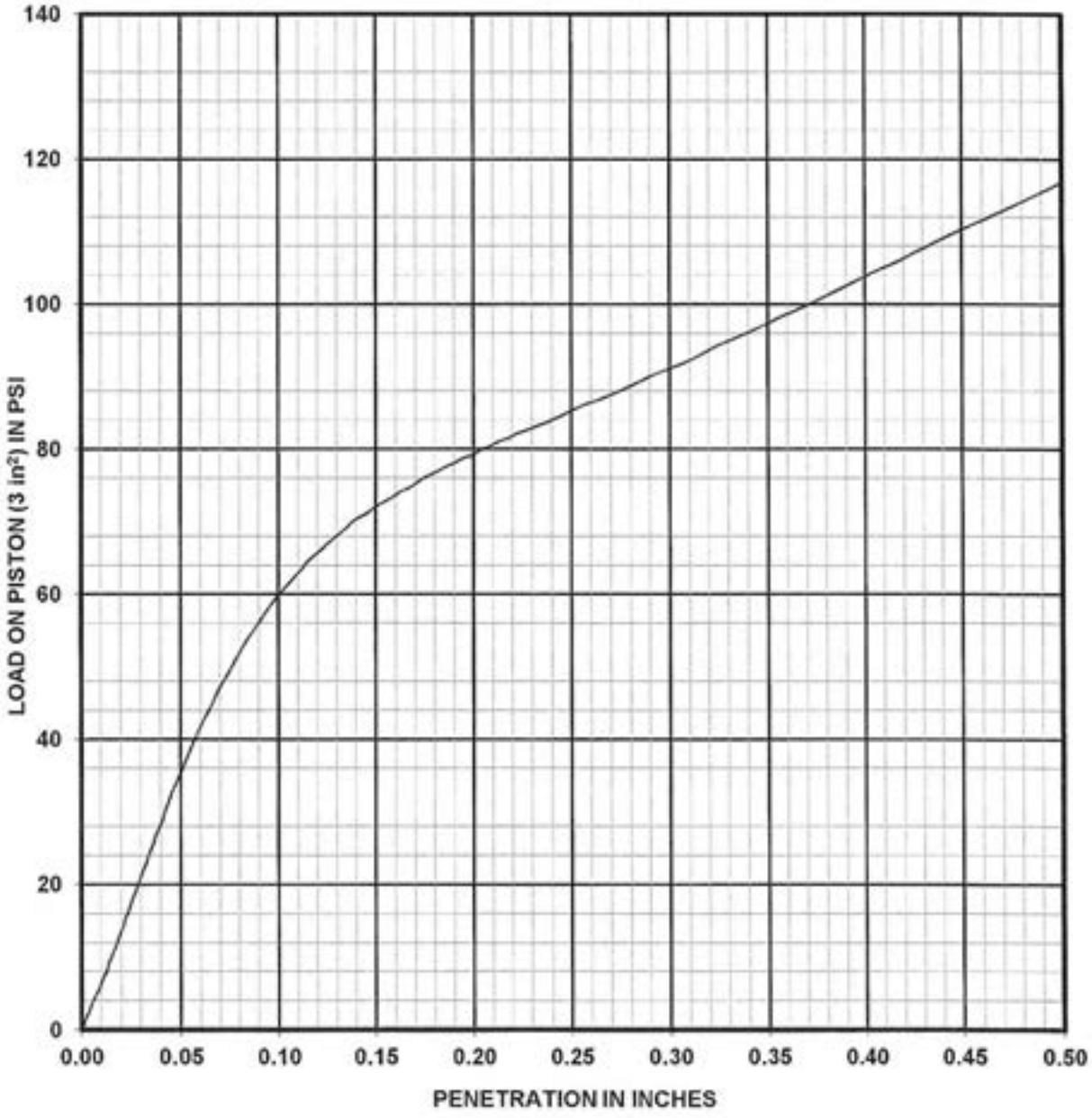
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR = 2.0*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 160

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: CBR 2-8 at 1' to 3' CS#: 13145
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per AASHTO T-99 B

Sample penetration after soaking for 93 hours

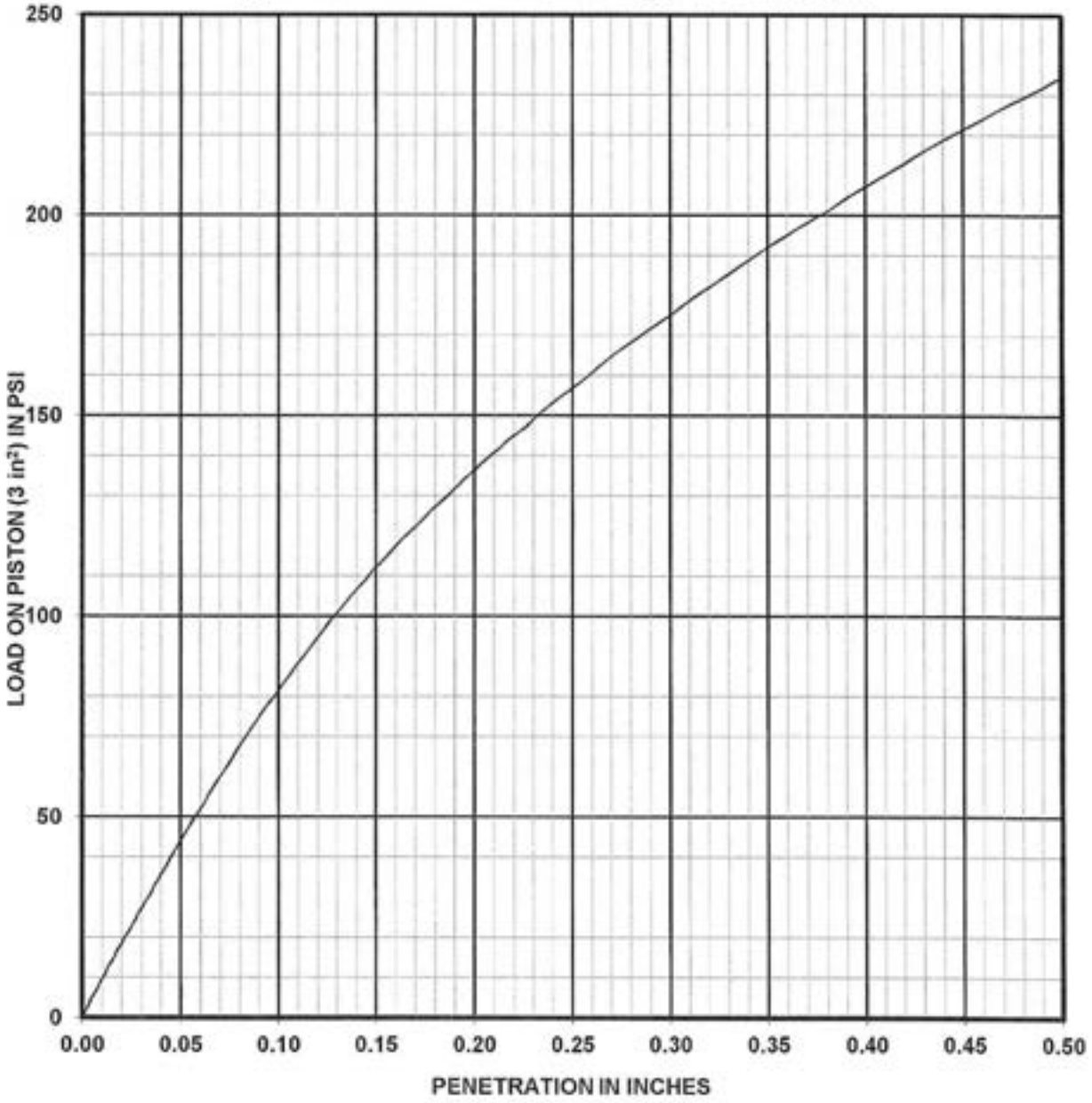
Dry Density:	as molded	97 pcf	Moisture Content:	as molded	21	percent
	after soaking	98 pcf		top 1-inch after soaking	21	percent
Swell:	after soaking	1.0 percent		average after soaking	23	percent

Bearing Ratio of Sample, **CBR =** 3.0* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 161

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: CBR 2-9 at 1' to 2' CS #: 13179
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 91 hours

Dry Density: as molded 107 pcf Moisture Content: as molded 17 percent
after soaking 109 pcf top 1-inch after soaking 18 percent
Swell: after soaking 0.0 percent average after soaking 17 percent

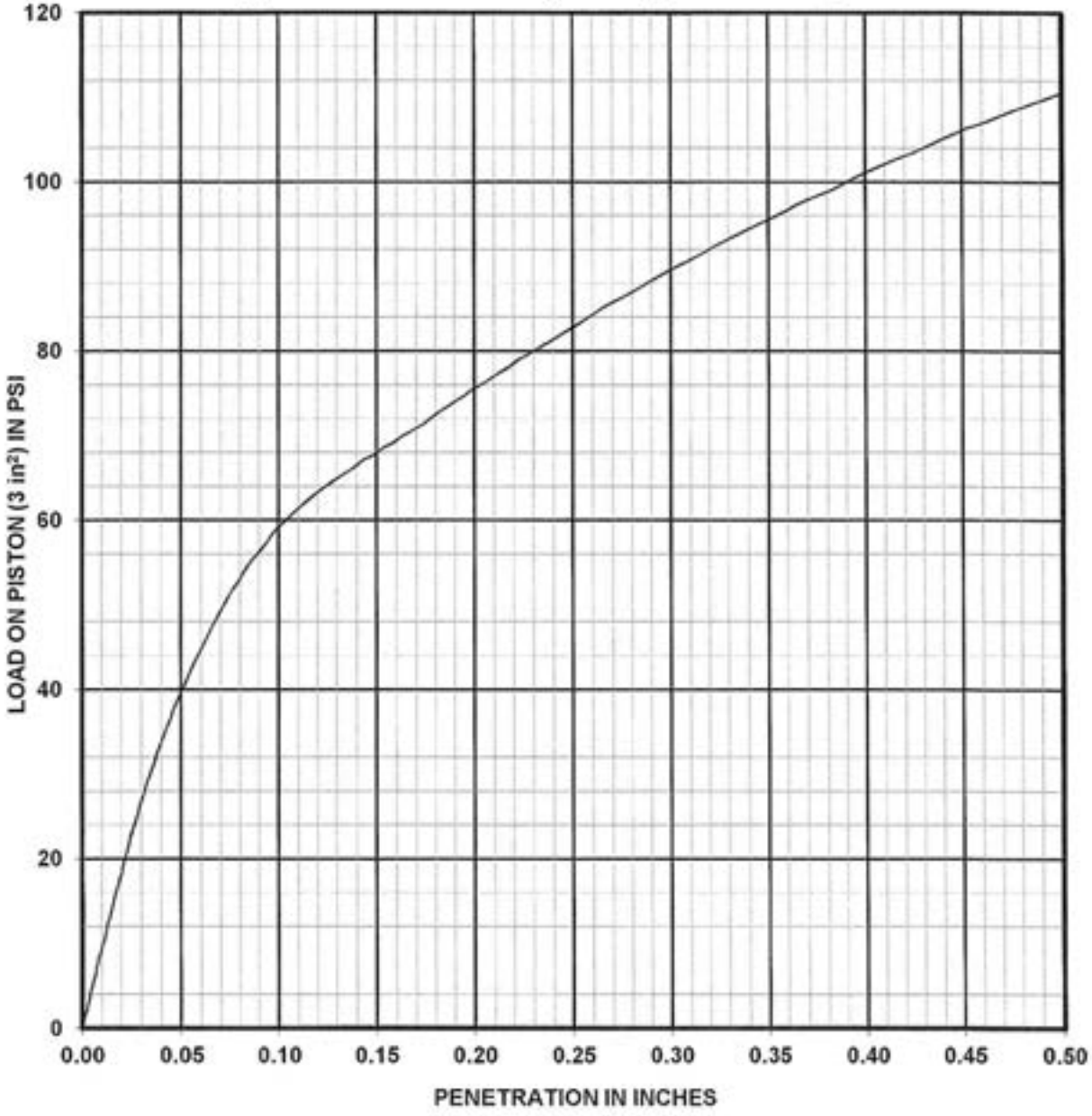
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 4.6* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 162

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: CBR 2-10 at 1' to 3' CS#: 13146
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per AASHTO T-99 B

Sample penetration after soaking for 87 hours

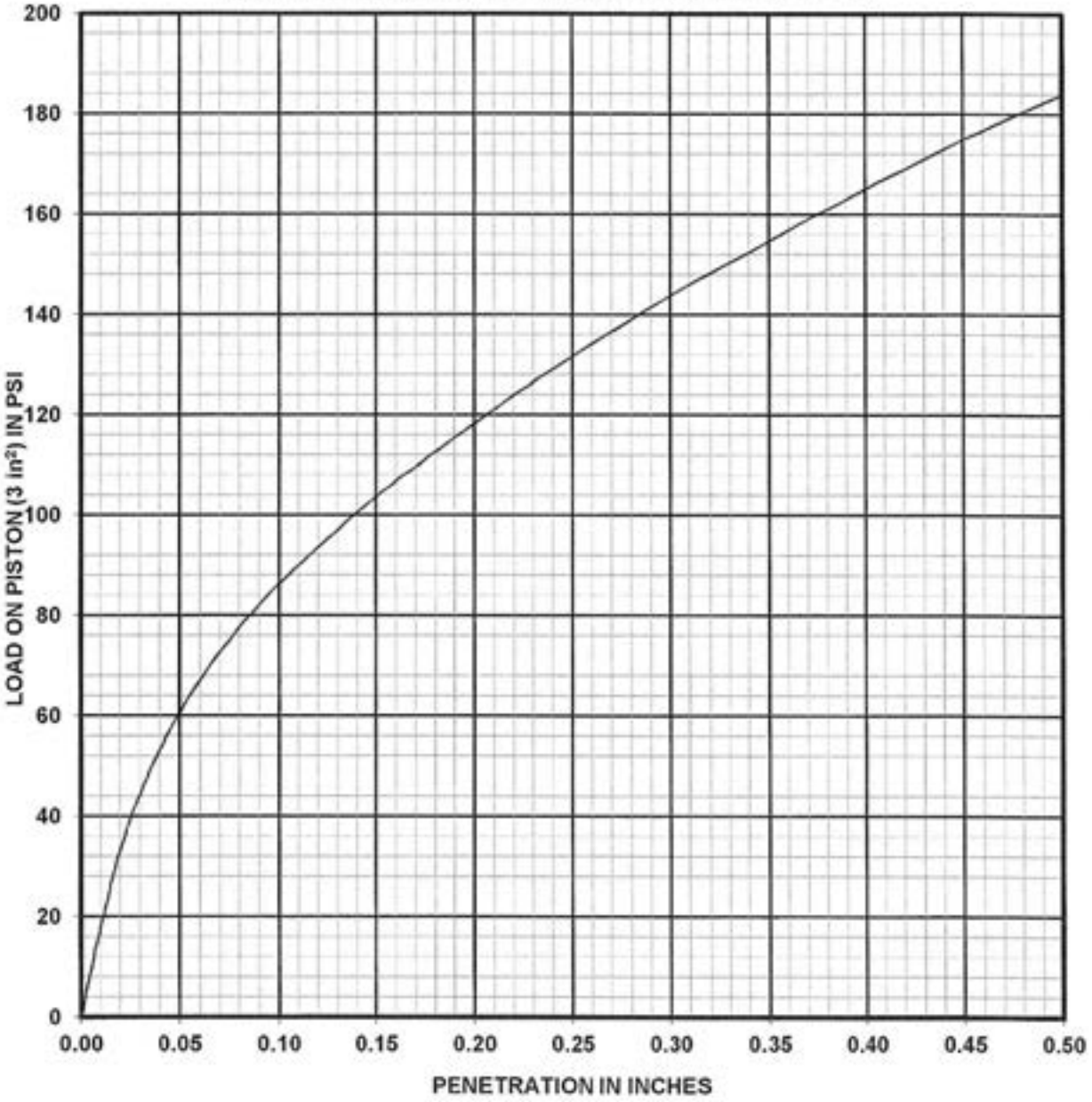
Dry Density:	as molded	97 pcf	Moisture Content:	as molded	22	percent
	after soaking	100 pcf		top 1-inch after soaking	24	percent
Swell:	after soaking	0.6 percent		average after soaking	23	percent

Bearing Ratio of Sample, **CBR = 3.0*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 163

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: CBR 2-11 at 1' to 3' CS #: 13147
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 84 hours

Dry Density:	as molded	106	pcf	Moisture Content:	as molded	18	percent
	after soaking	106	pcf		top 1-inch after soaking	23	percent
Swell:	after soaking	0.0	percent		average after soaking	21	percent

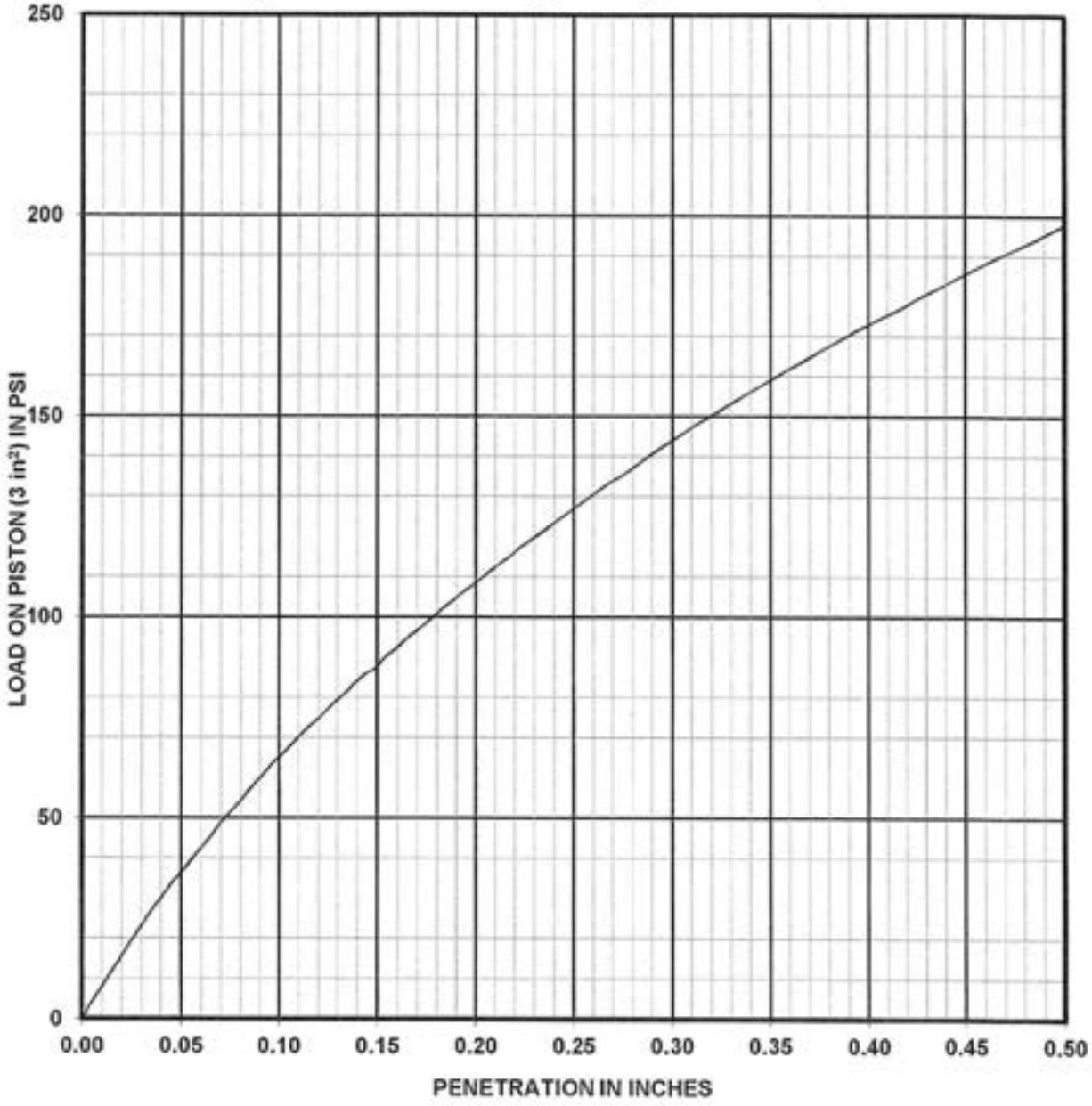
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR = 4.3*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 164

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: CBR 2-12 at 1' to 2' CS #: 13186
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 91 hours

Dry Density:	as molded 112 pcf		Moisture Content:	as molded 15	percent
	after soaking 113 pcf			top 1-inch after soaking 16	percent
Swell:	after soaking -0.1 percent			average after soaking 16	percent

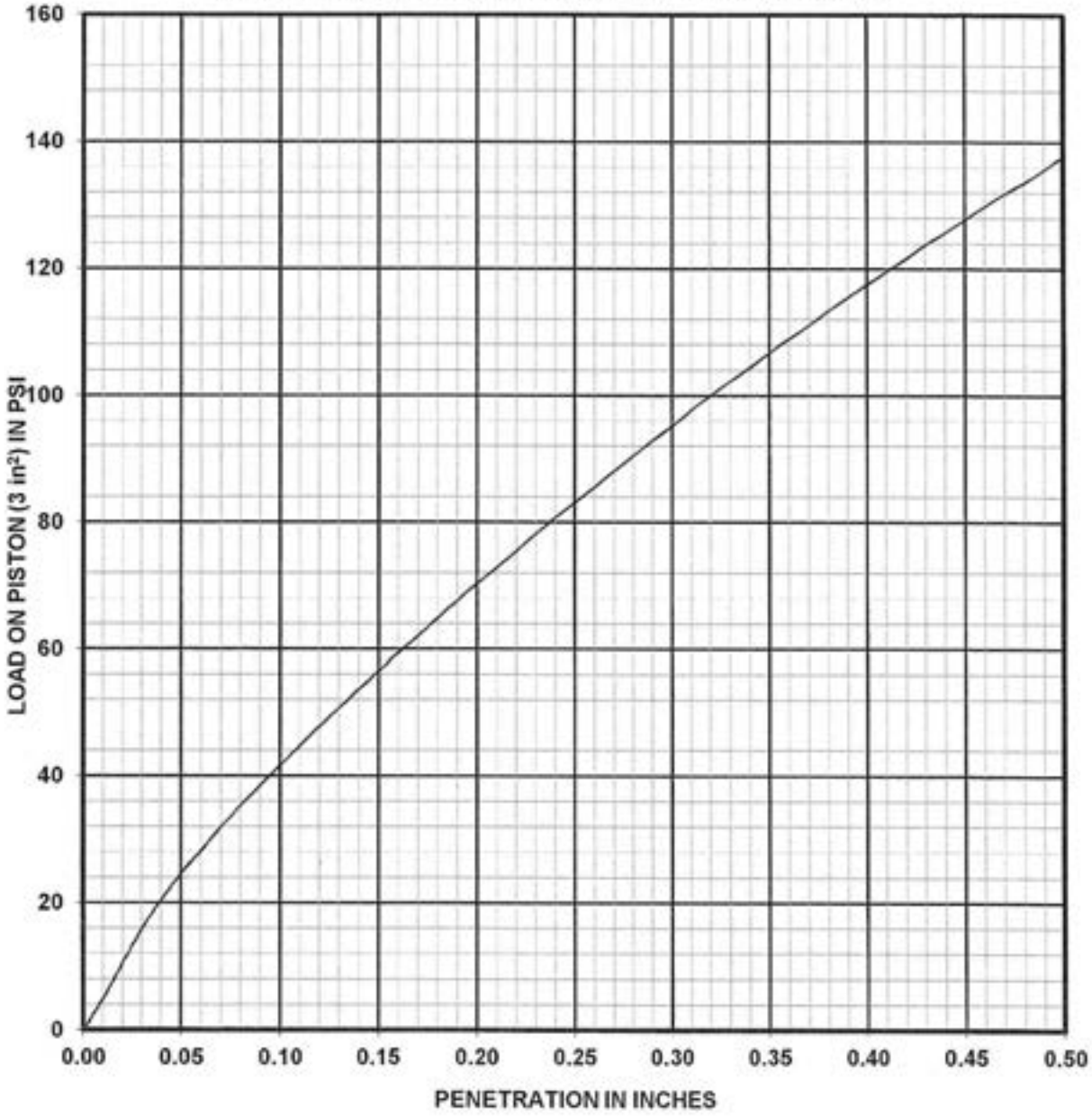
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 3.6* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 165

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: CBR 2-13 at 1' to 3' CS#: 13148
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per AASHTO T-99 B

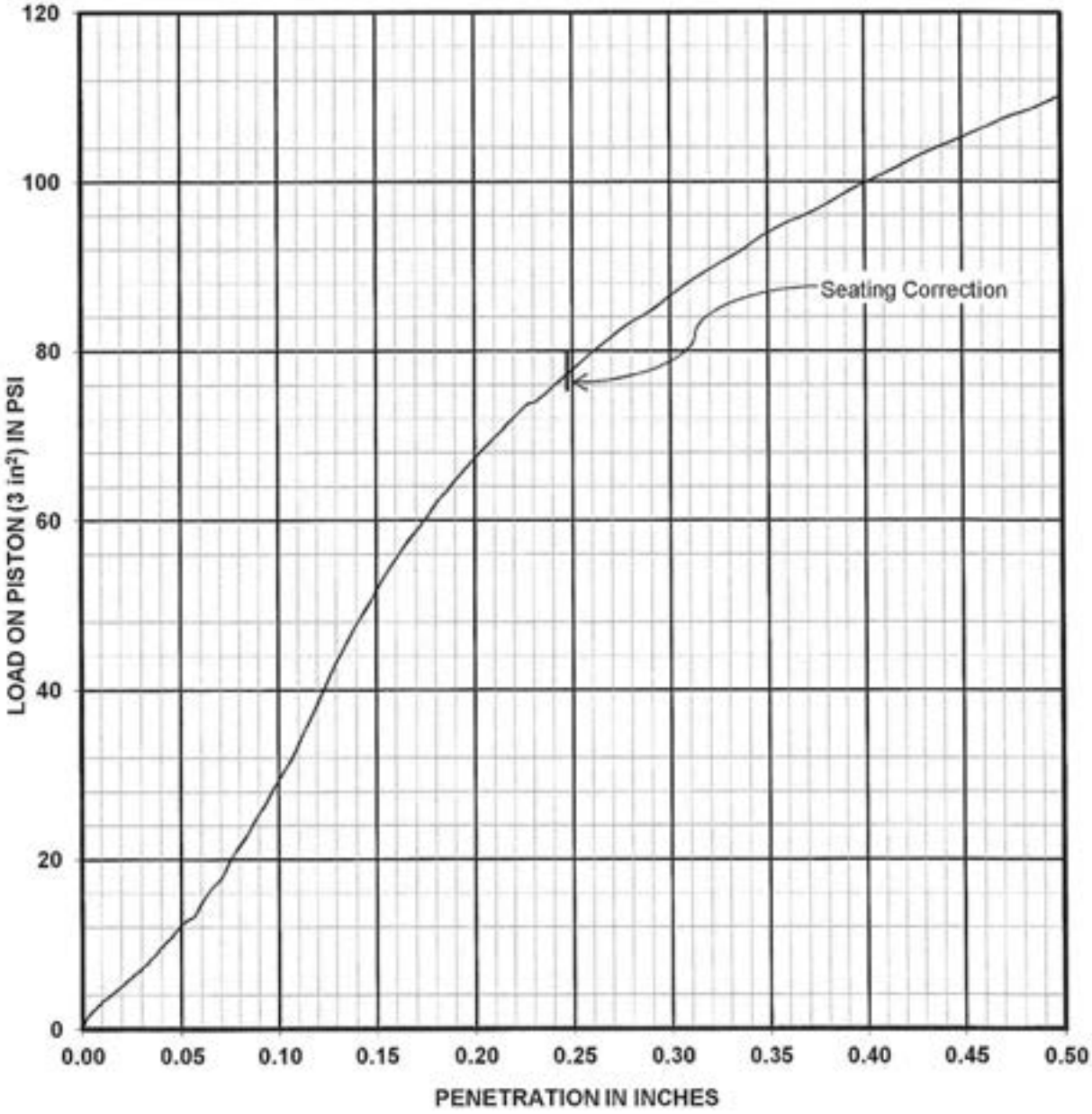
Sample penetration after soaking for 90 hours

Dry Density:	as molded	102 pcf	Moisture Content:	as molded	21	percent
	after soaking	102 pcf		top 1-inch after soaking	21	percent
Swell:	after soaking	0.1 percent		average after soaking	21	percent

Bearing Ratio of Sample, **CBR =** 2.4* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 166

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: CBR 2-14 at 1' to 3' CS#: 13149
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per AASHTO T-99 B

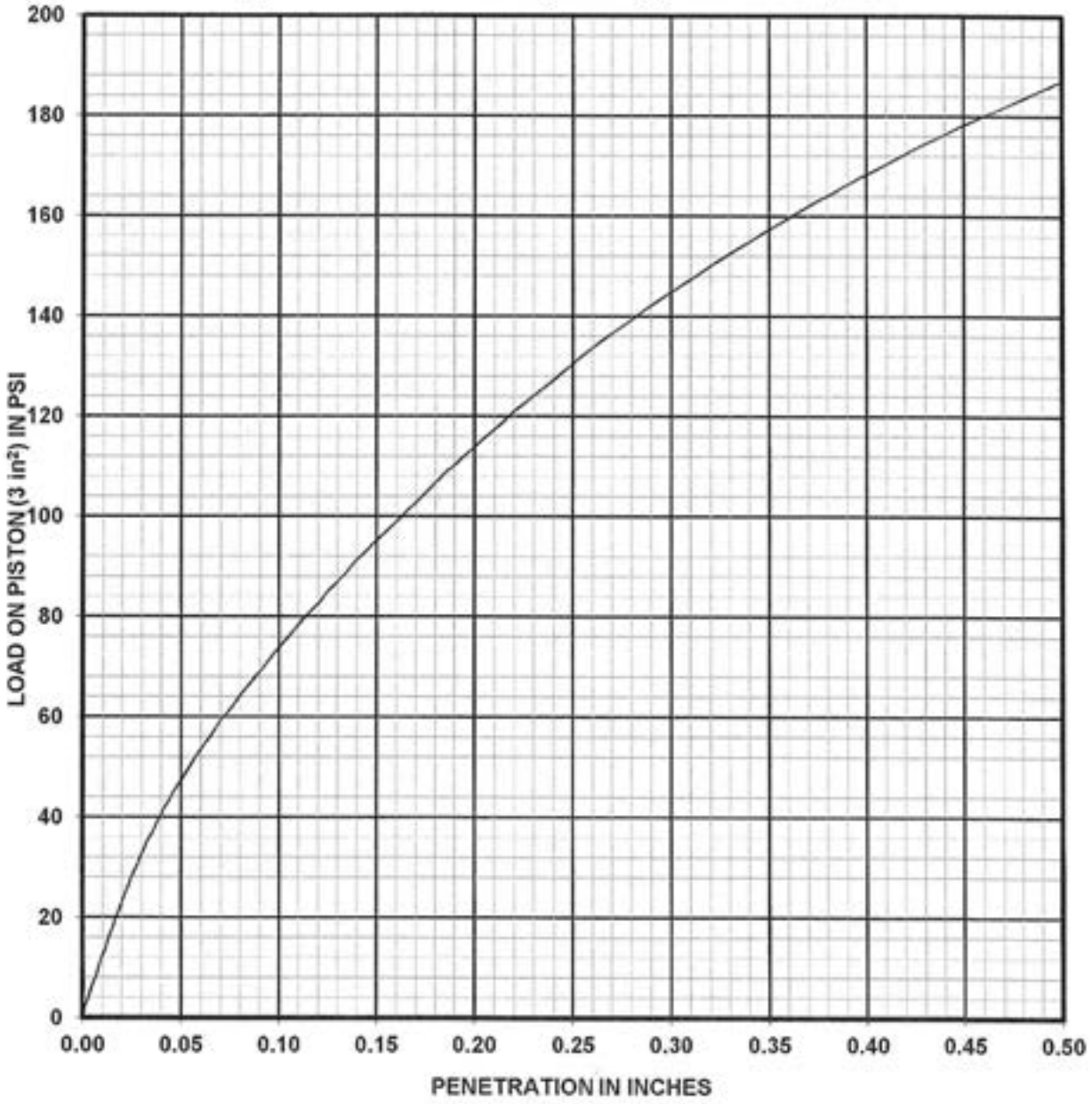
Sample penetration after soaking for 90 hours

Dry Density:	as molded	101 pcf	Moisture Content:	as molded	19	percent
	after soaking	98 pcf		top 1-inch after soaking	20	percent
Swell:	after soaking	5.5 percent		average after soaking	20	percent

Bearing Ratio of Sample, **CBR** = **2.6*** percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 167

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: CBR 2-15 at 1' to 2' CS #: 13187
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 89 hours

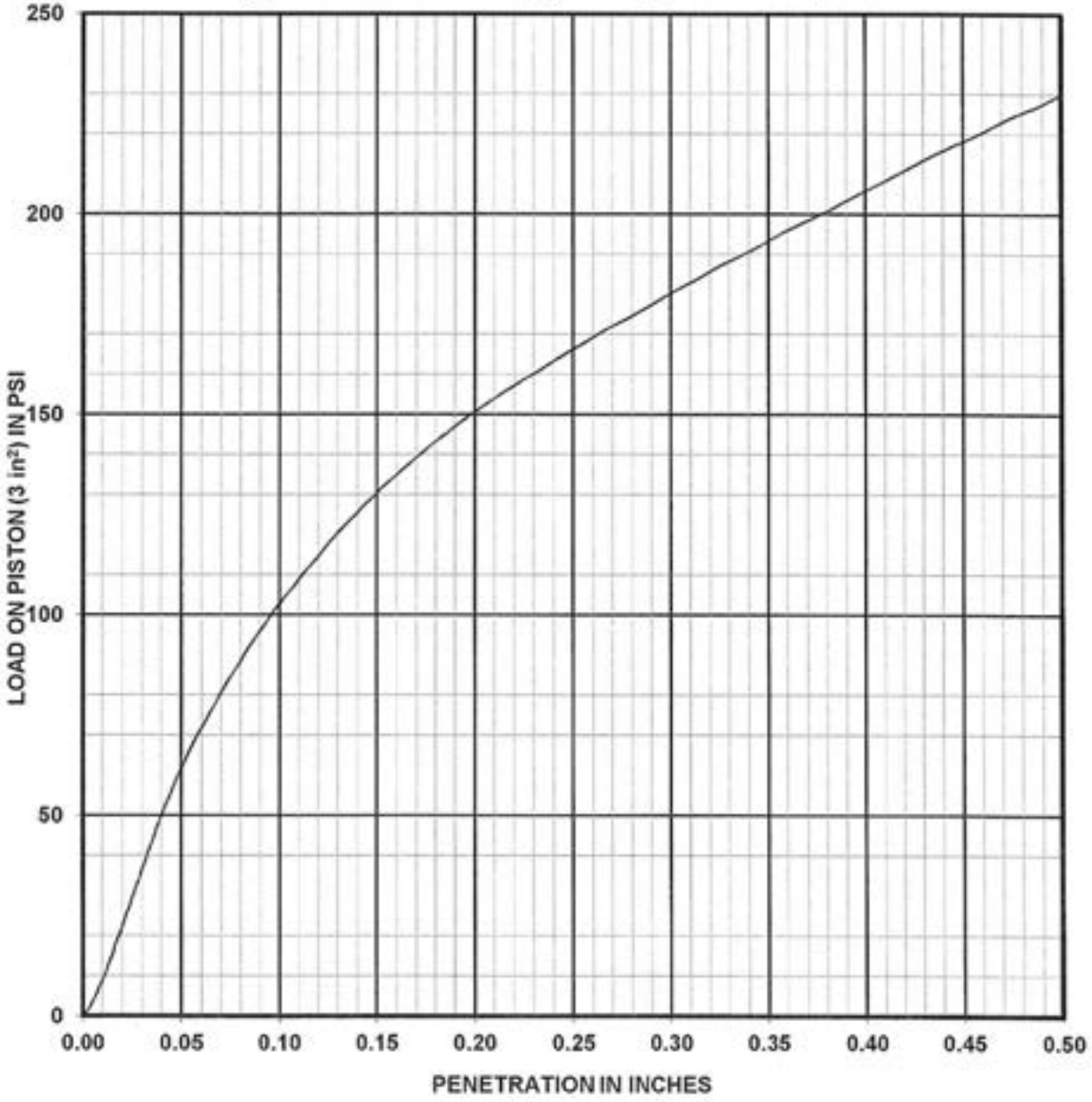
Dry Density: as molded 109 pcf
after soaking 106 pcf
Swell: after soaking 0.0 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 17 percent
top 1-inch after soaking 17 percent
average after soaking 17 percent

Bearing Ratio of Sample, **CBR** = **4.6*** percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 168

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: CBR 2-16 at 1' to 2' CS #: 13188
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 91 hours

Dry Density:	as molded 108 pcf		Moisture Content:	as molded 15	percent
	after soaking 110 pcf			top 1-inch after soaking 16	percent
Swell:	after soaking 0.1 percent			average after soaking 17	percent

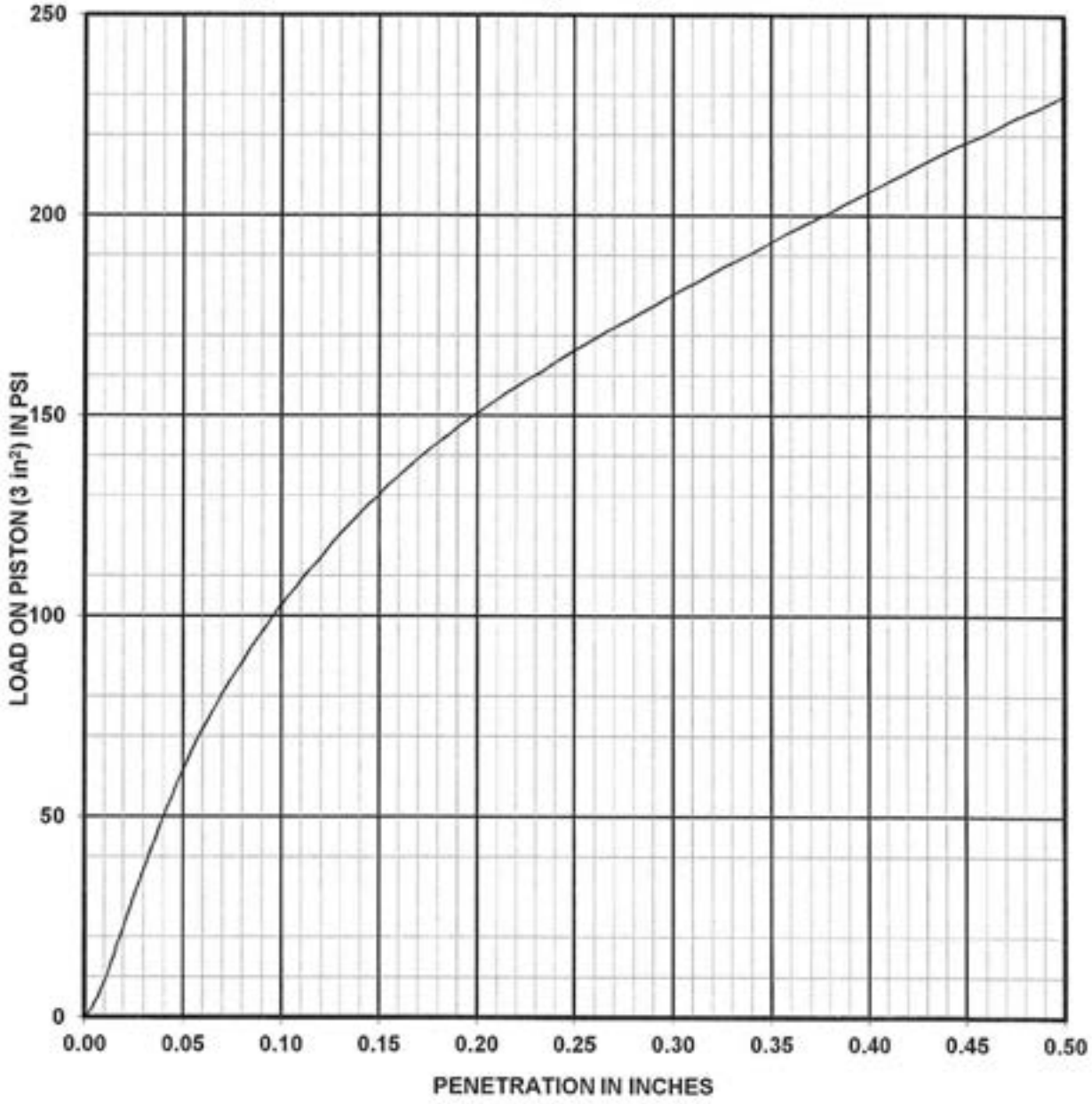
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR = 6.2*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 169

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: CBR 2-17 at 1' to 2' CS #: 13189
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 92 hours

Dry Density:	as molded 106 pcf		Moisture Content:	as molded 17	percent
	after soaking 106 pcf			top 1-inch after soaking 19	percent
Swell:	after soaking -0.1	percent		average after soaking 18	percent

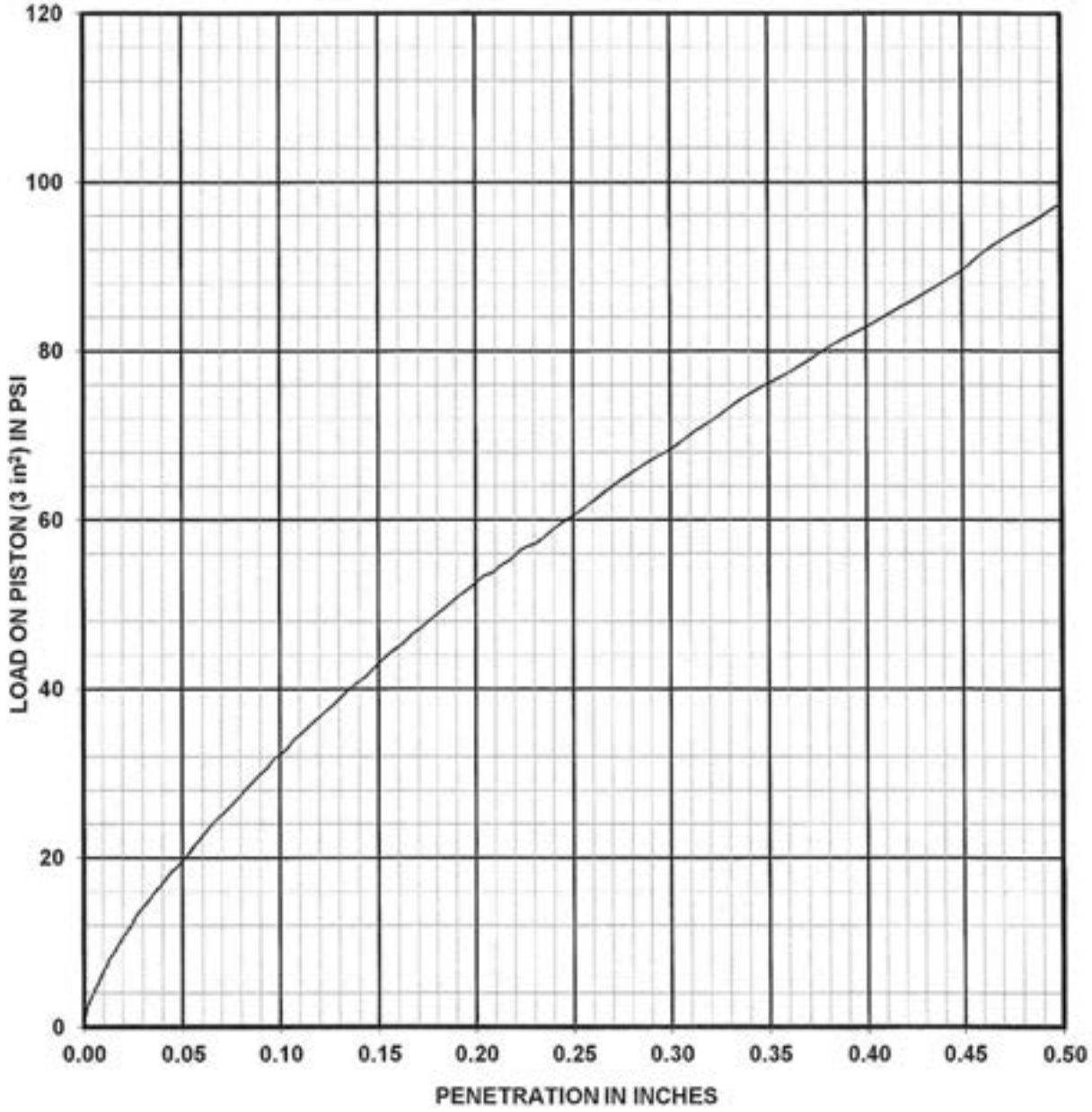
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 6.2* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 170

Applied Geotechnical Engineering Consultants, Inc.



Sample of Clayey Gravel with Sand (GC)
Location: CBR 2-18 at 1' to 3' CS#: 13150
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per AASHTO T-99 D, Scalp & Replace

Sample penetration after soaking for 85 hours

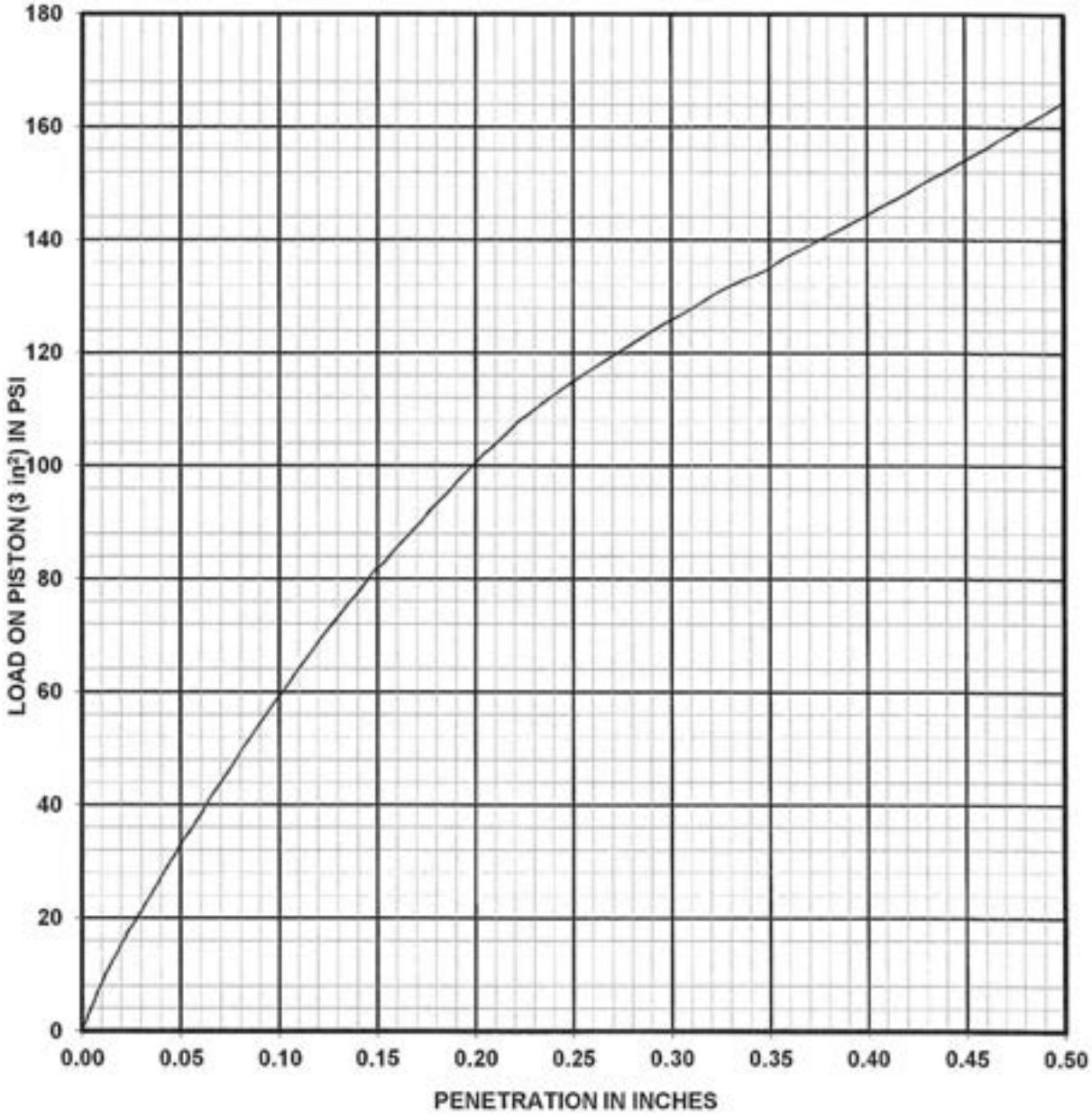
Dry Density:	as molded	121 pcf	Moisture Content:	as molded	12	percent
	after soaking	122 pcf		top 1-inch after soaking	12	percent
Swell:	after soaking	-0.3 percent		average after soaking	12	percent

Bearing Ratio of Sample, **CBR =** 2.6* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 171

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: CBR 2-19 at 1' to 3' CS#: 13151
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per AASHTO T-99 B

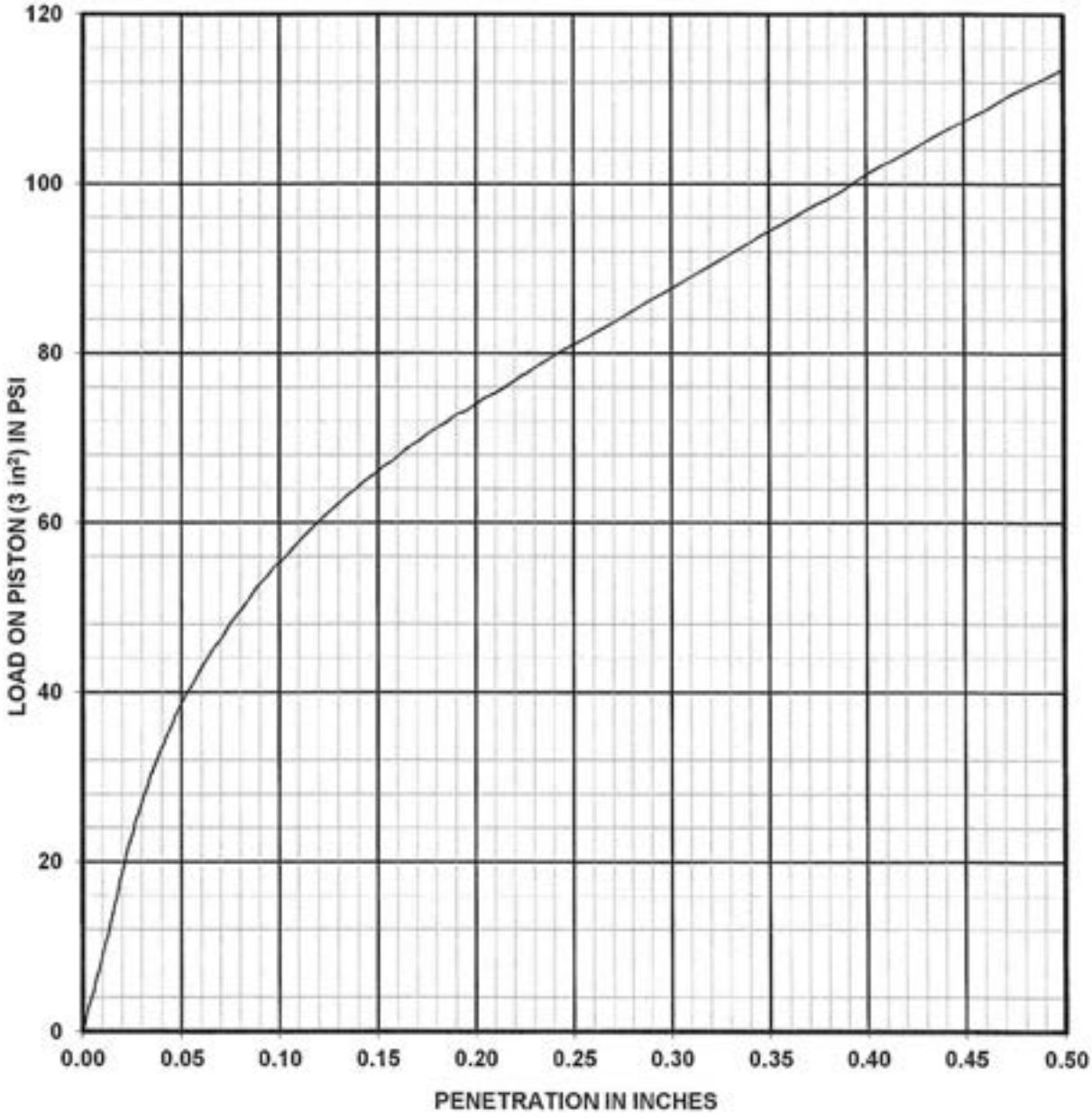
Sample penetration after soaking for 84 hours

Dry Density:	as molded	107 pcf	Moisture Content:	as molded	16	percent
	after soaking	108 pcf		top 1-inch after soaking	16	percent
Swell:	after soaking	0.1 percent		average after soaking	17	percent

Bearing Ratio of Sample, **CBR =** 3.4* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 172

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: CBR 2-20 at 1' to 3' CS#: 13152
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per AASHTO T-99 B

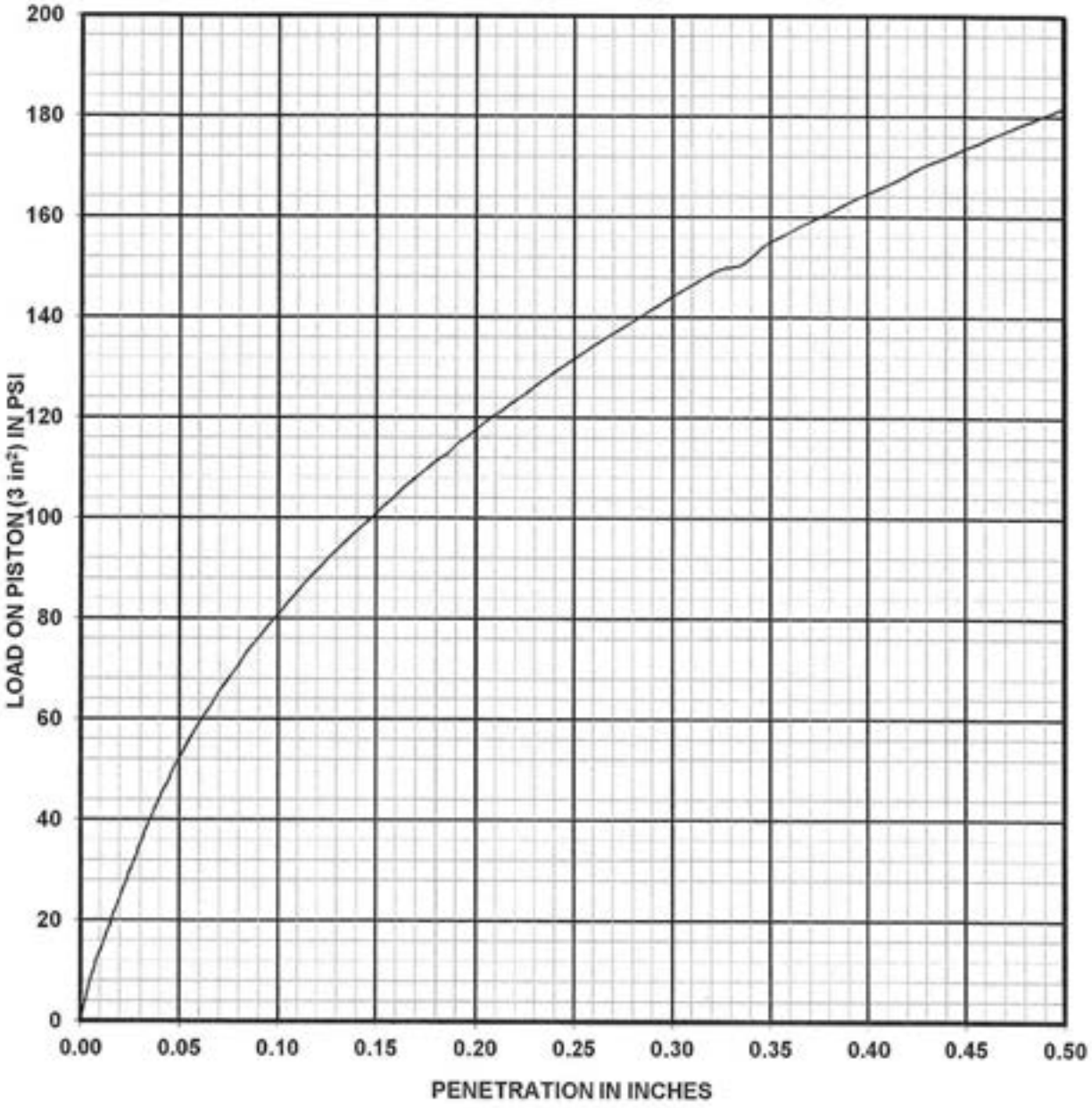
Sample penetration after soaking for 91 hours

Dry Density:	as molded	101 pcf	Moisture Content:	as molded	20	percent
	after soaking	103 pcf		top 1-inch after soaking	21	percent
Swell:	after soaking	0.5 percent		average after soaking	21	percent

Bearing Ratio of Sample, CBR = 2.8* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 173

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: CBR 2-21 at 1' to 2' CS #: 13221
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 89 hours

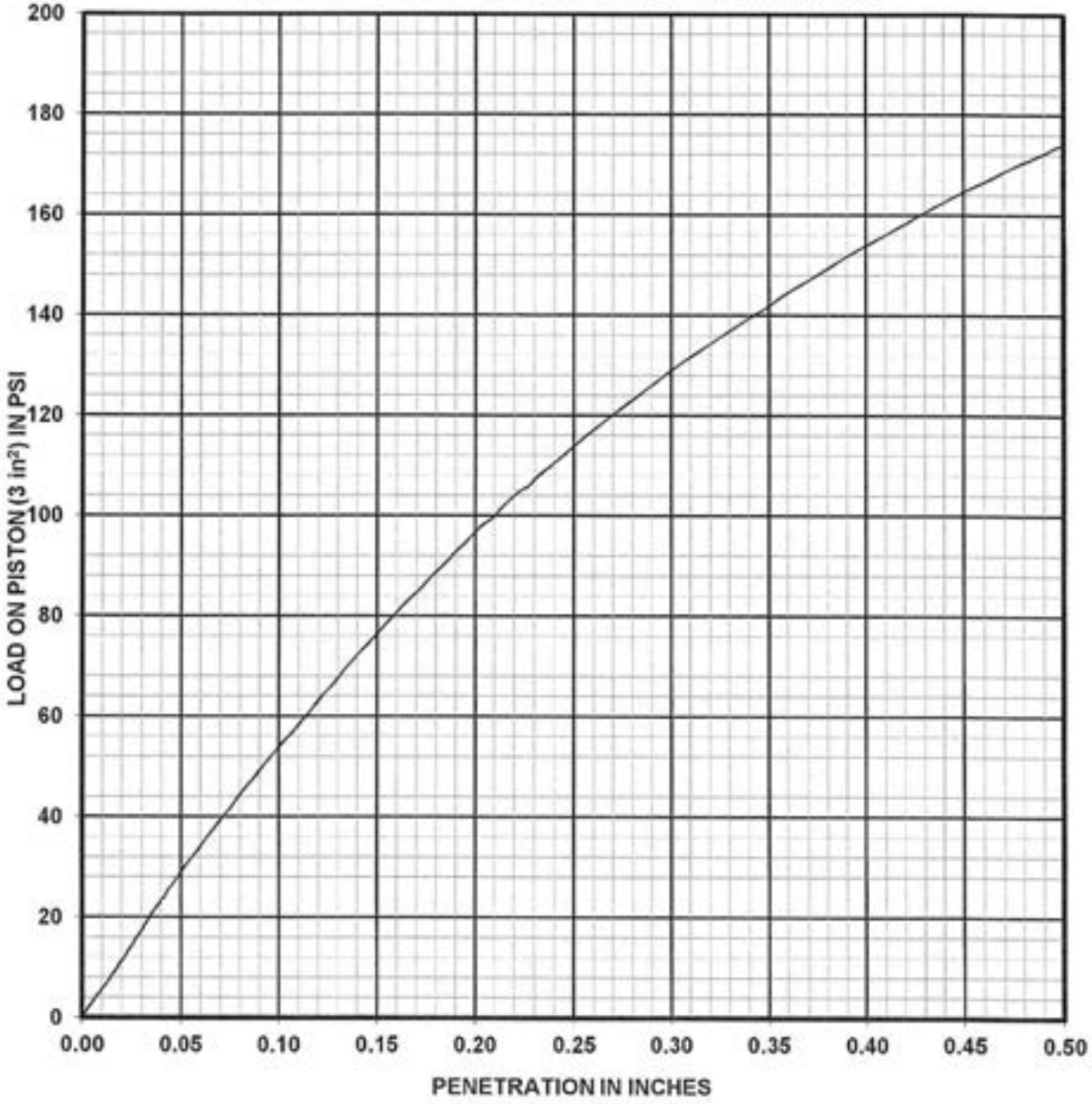
Dry Density: as molded 104 pcf
after soaking 105 pcf
Swell: after soaking 0.5 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 20 percent
top 1-inch after soaking 21 percent
average after soaking 21 percent

Bearing Ratio of Sample, **CBR = 4.8*** percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 174

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: CBR 2-22 at 1' to 2' CS #: 13222
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 89 hours

Dry Density:	as molded 110 pcf		Moisture Content:	as molded 17	percent
	after soaking 110 pcf			top 1-inch after soaking 17	percent
Swell:	after soaking 0.0 percent			average after soaking 18	percent

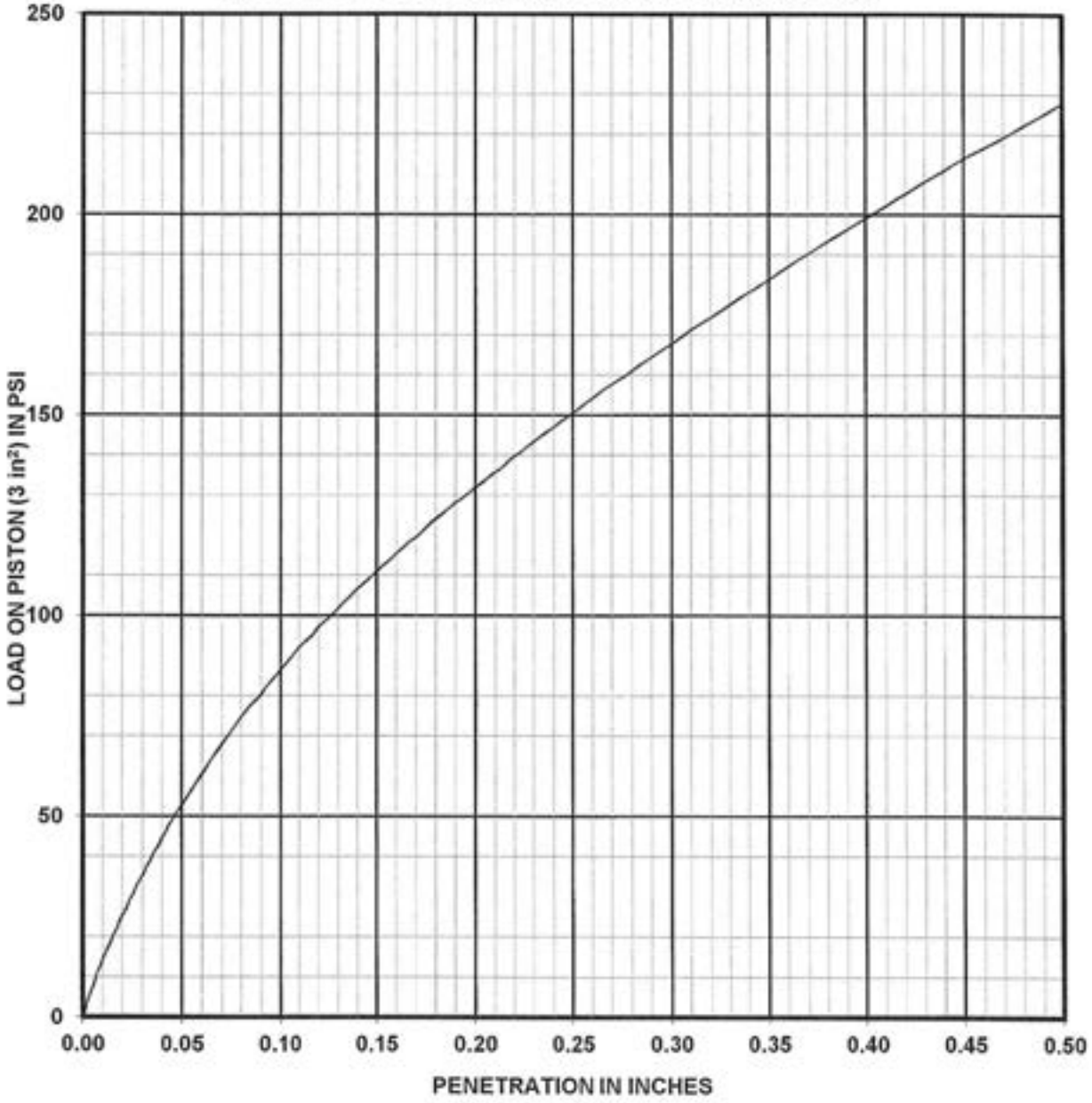
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR = 3.2*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 175

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: CBR 2-23 at 1' to 2' CS #: 13223
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 89 hours

Dry Density: as molded 110 pcf
after soaking 110 pcf
Swell: after soaking 0.0 percent

Moisture Content: as molded 15 percent
top 1-inch after soaking 16 percent
average after soaking 16 percent

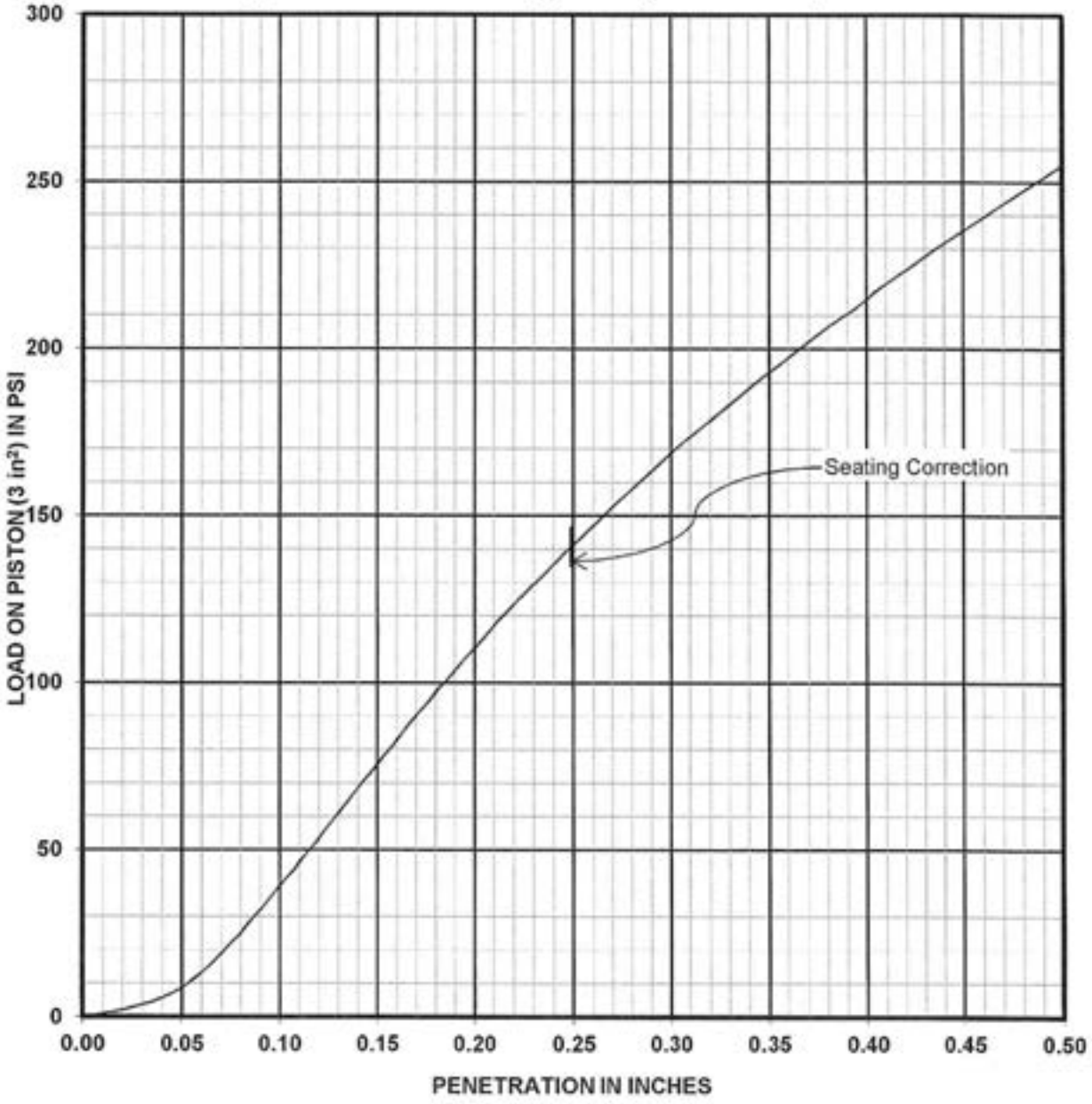
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR = 4.3*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 176

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: CBR 2-24 at 1' to 2' CS #: 13224
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 86 hours

Dry Density:	as molded	108 pcf	Moisture Content:	as molded	16 percent
	after soaking	108 pcf		top 1-inch after soaking	17 percent
Swell:	after soaking	-0.1 percent		average after soaking	18 percent

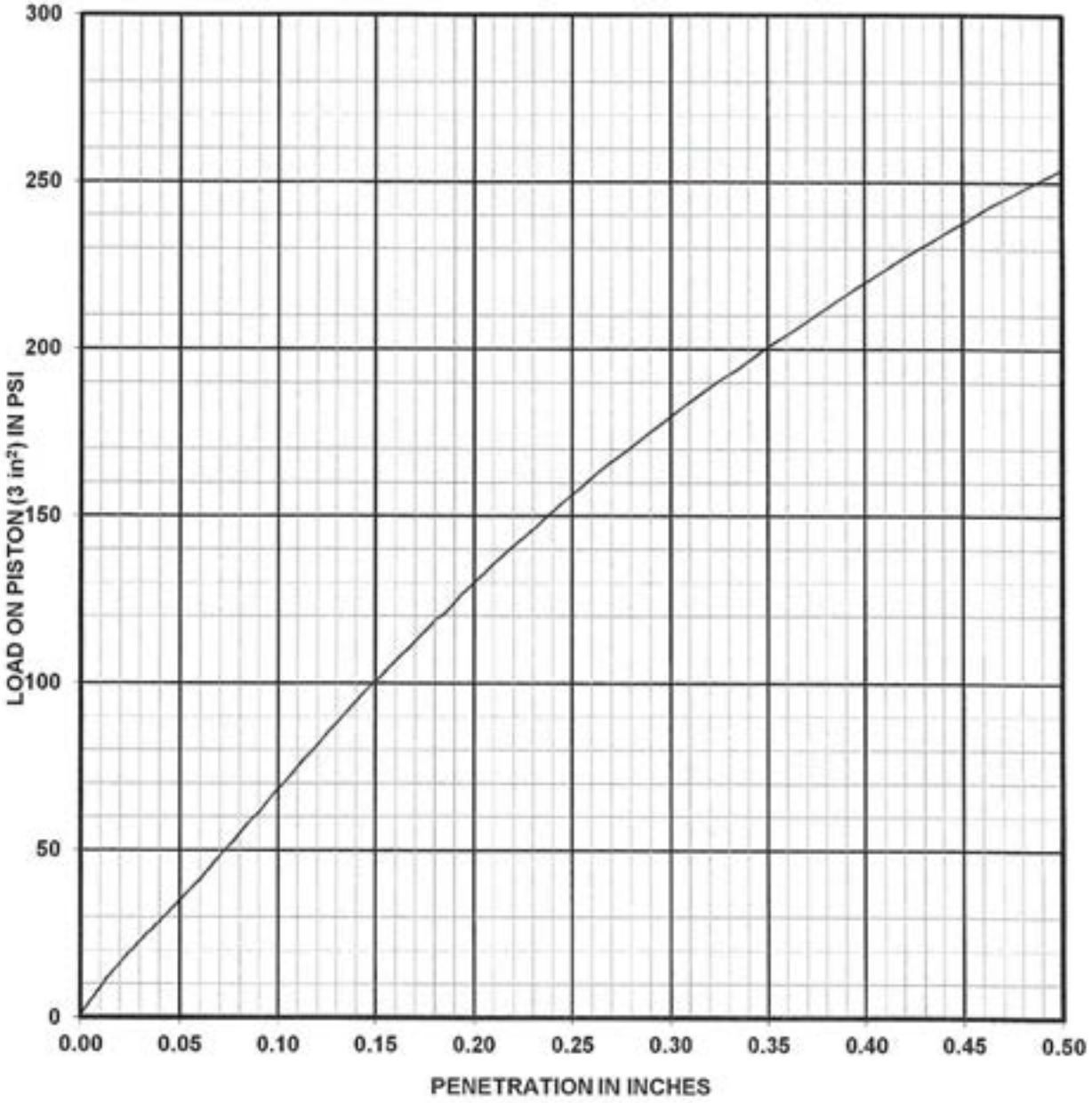
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR = 5.6*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 177

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: CBR 2-25 at 1' to 2' CS #: 13225
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 90 hours

Dry Density:	as molded	110 pcf	Moisture Content:	as molded	16 percent
	after soaking	111 pcf		top 1-inch after soaking	16 percent
Swell:	after soaking	0.1 percent		average after soaking	16 percent

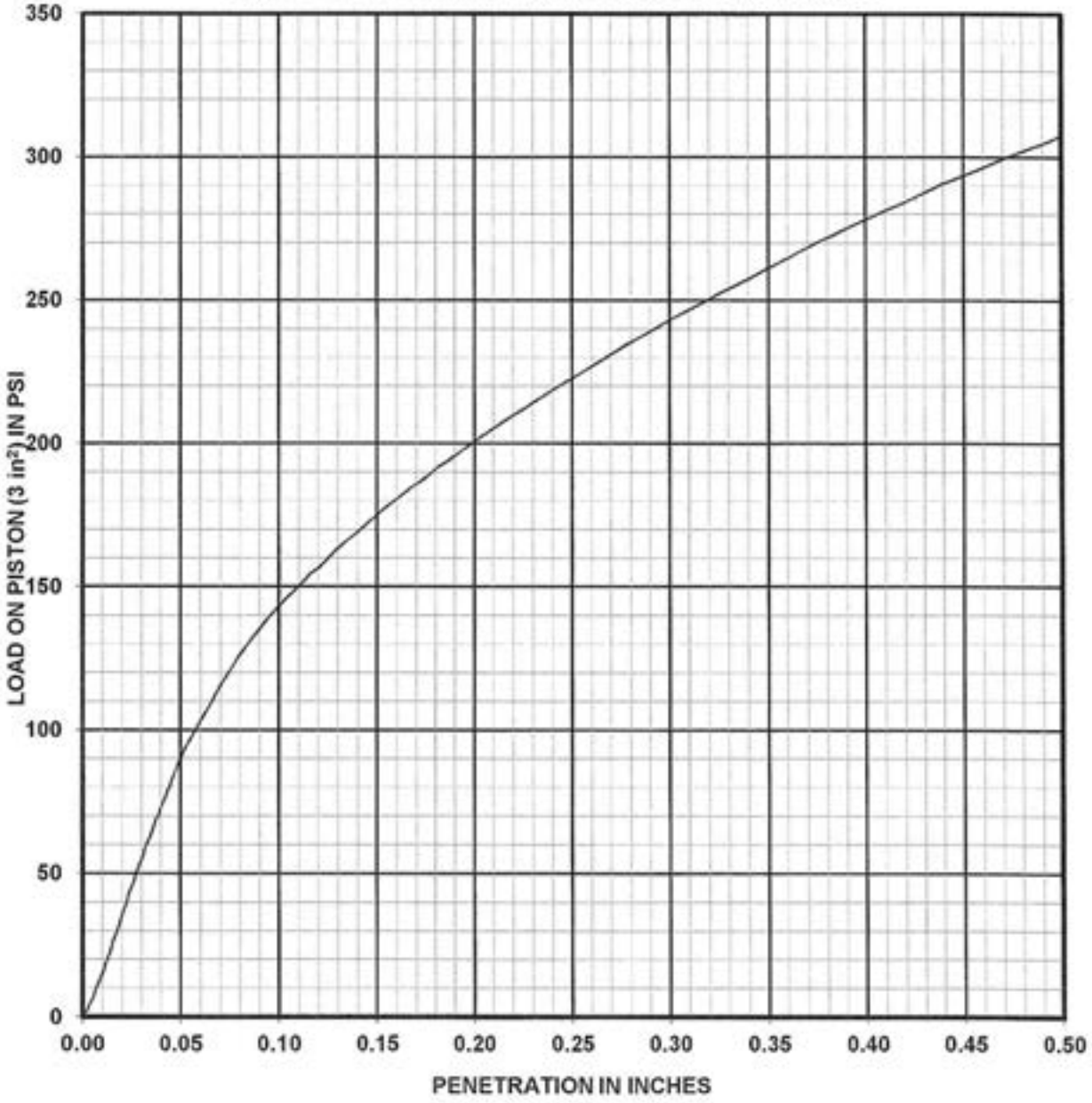
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR =** 5.2* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 178

Applied Geotechnical Engineering Consultants, Inc.



Sample of Sandy Lean Clay (CL)
Location: B 2-1 at 3' to 5' CS #: 13246
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 90 hours

Dry Density:	as molded	114 pcf	Moisture Content:	as molded	14	percent
	after soaking	116 pcf		top 1-inch after soaking	15	percent
Swell:	after soaking	0.1 percent		average after soaking	15	percent

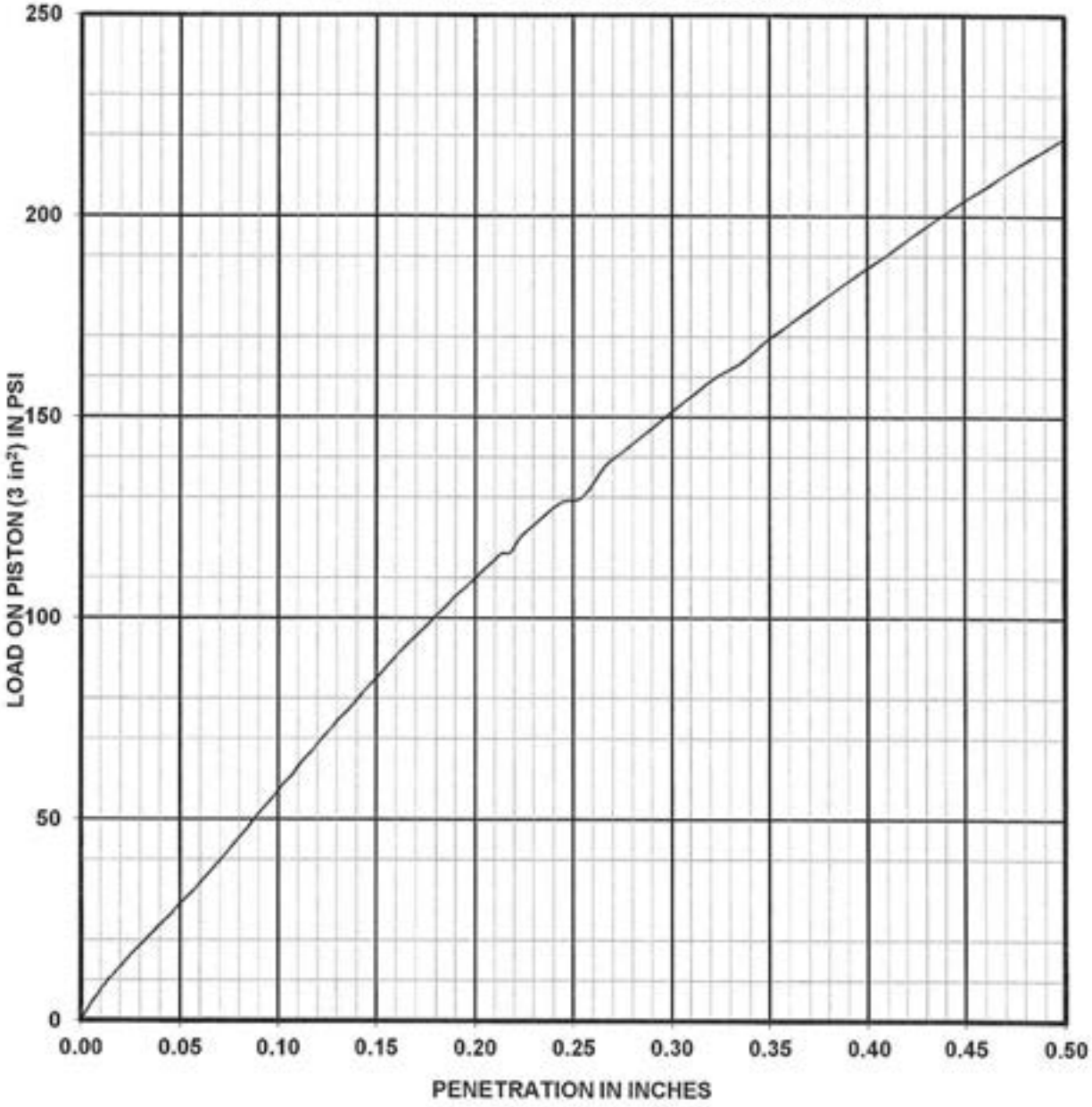
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, **CBR = 8.6*** percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 179

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: B 2-2 at 2' to 4' CS #: 13247
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 91 hours

Dry Density:	as molded	101 pcf	Moisture Content:	as molded	21 percent
	after soaking	101 pcf		top 1-inch after soaking	21 percent
Swell:	after soaking	0.2 percent		average after soaking	22 percent

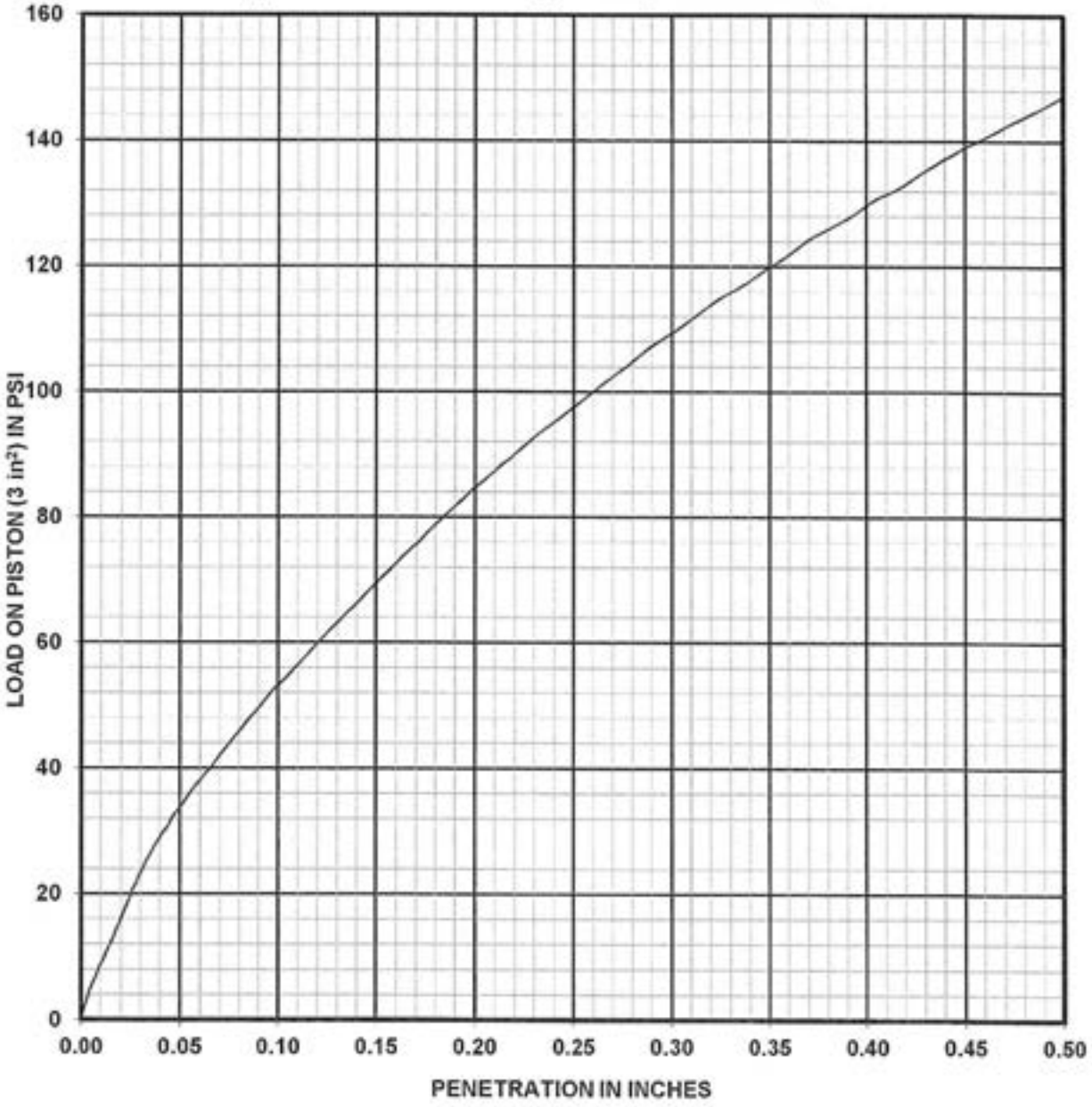
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 3.7* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 180

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: B 2-3 at 3' to 5' CS #: 13248
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 92 hours

Dry Density: as molded 110 pcf Moisture Content: as molded 17 percent
after soaking 111 pcf top 1-inch after soaking 17 percent
Swell: after soaking 0.0 percent average after soaking 17 percent

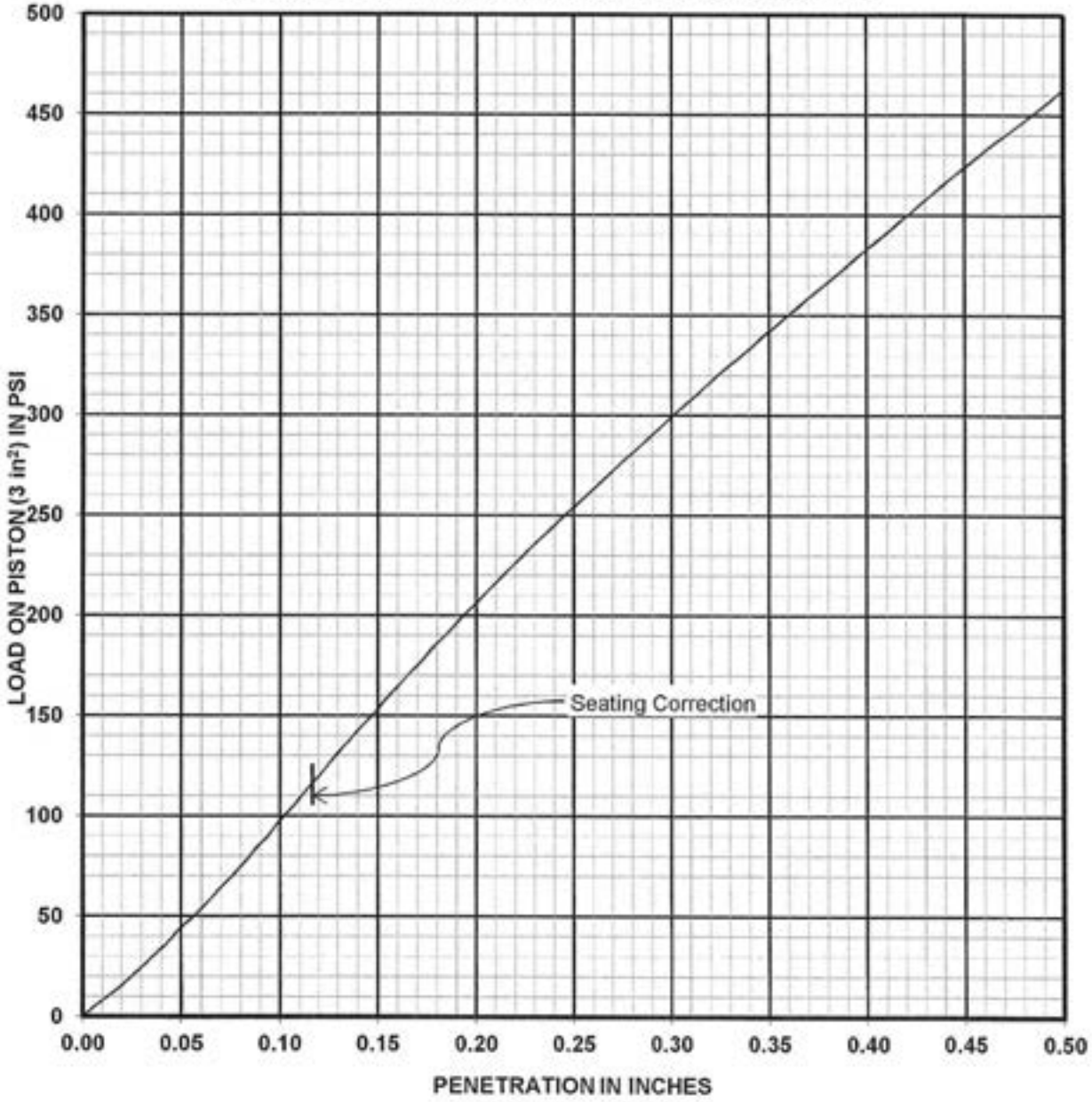
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 2.8* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 181

Applied Geotechnical Engineering Consultants, Inc.



Sample of Clayey Sand (SC)
Location: B 2-4 at 2' to 4' CS #: 13249
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 89 hours

Dry Density: as molded 120 pcf
after soaking 120 pcf
Swell: after soaking -0.1 percent

Moisture Content: as molded 11 percent
top 1-inch after soaking 11 percent
average after soaking 11 percent

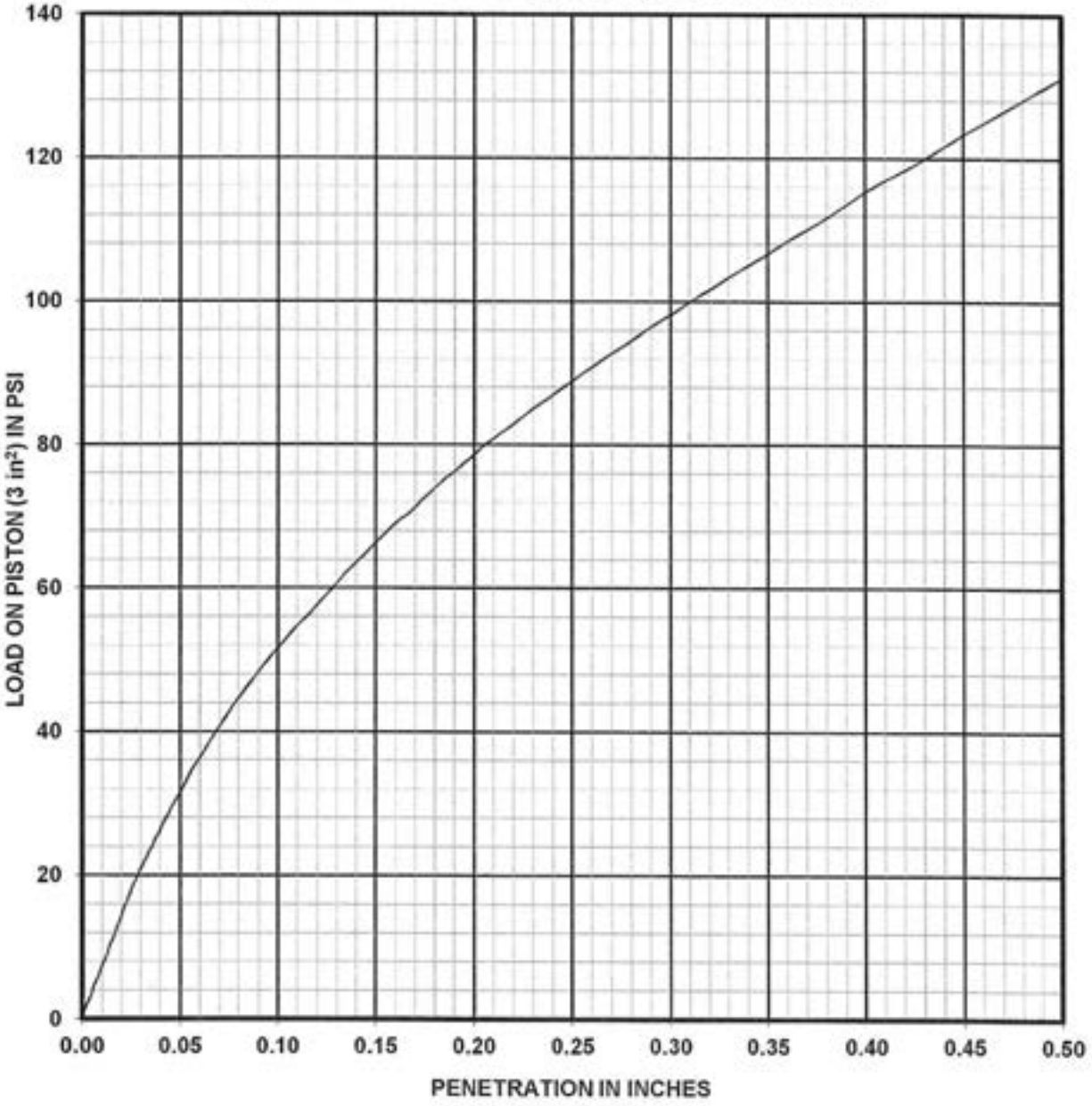
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 7.0* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 182

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: B 2-5 at 3' to 5' CS #: 13250
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content per T-99B

Sample penetration after soaking for 92 hours

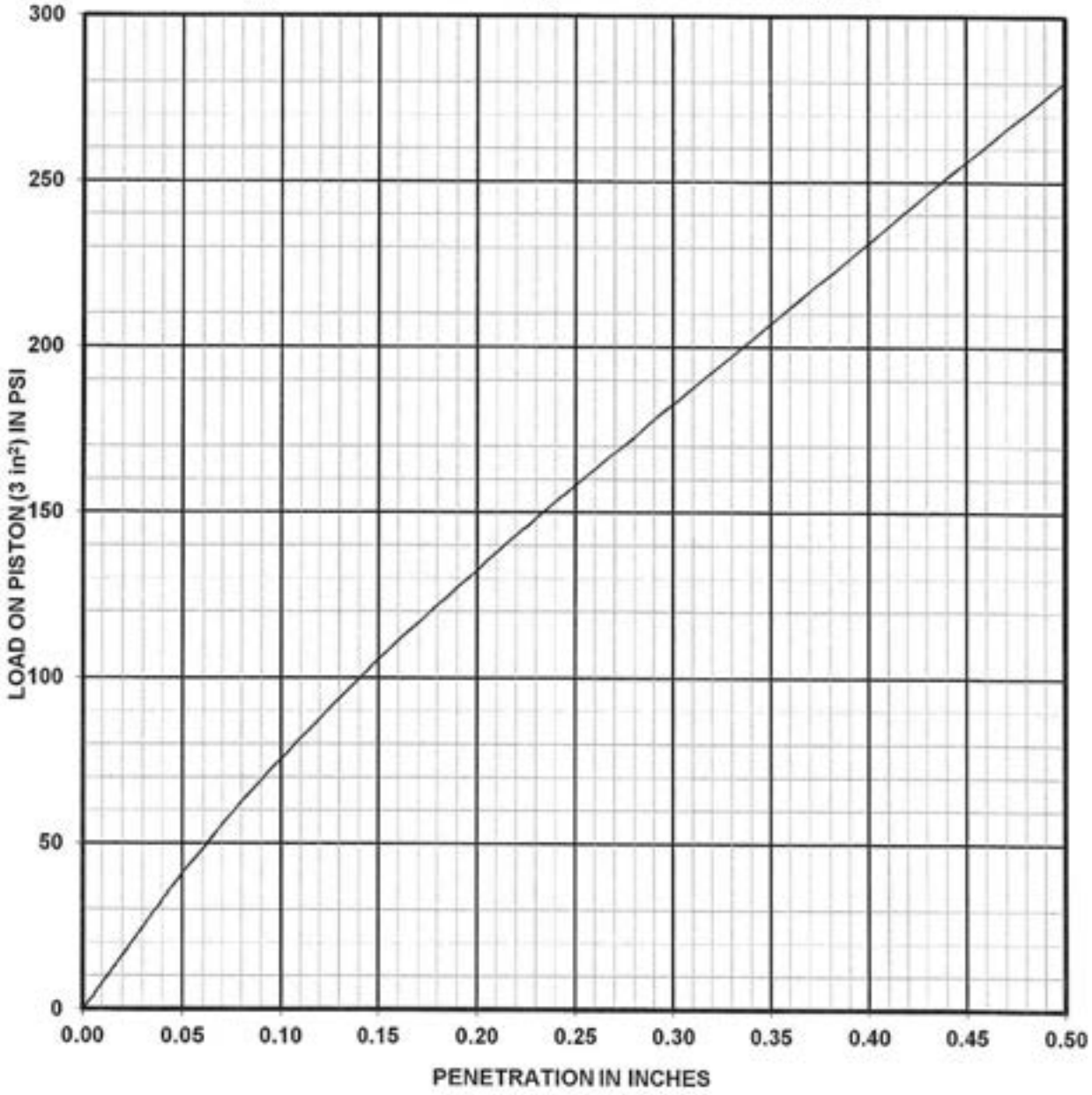
Dry Density: as molded 103 pcf Moisture Content: as molded 19 percent
after soaking 103 pcf top 1-inch after soaking 22 percent
Swell: after soaking 1.3 percent average after soaking 21 percent

(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 2.6* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 183

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay with Sand (CL)
Location: TP 3-1 at 1' to 2' CS#: 13373
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 96 hours

Dry Density: as molded 109 pcf Moisture Content: as molded 16 percent
after soaking 110 pcf top 1-inch after soaking 18 percent
Swell: after soaking 0.1 percent average after soaking 17 percent

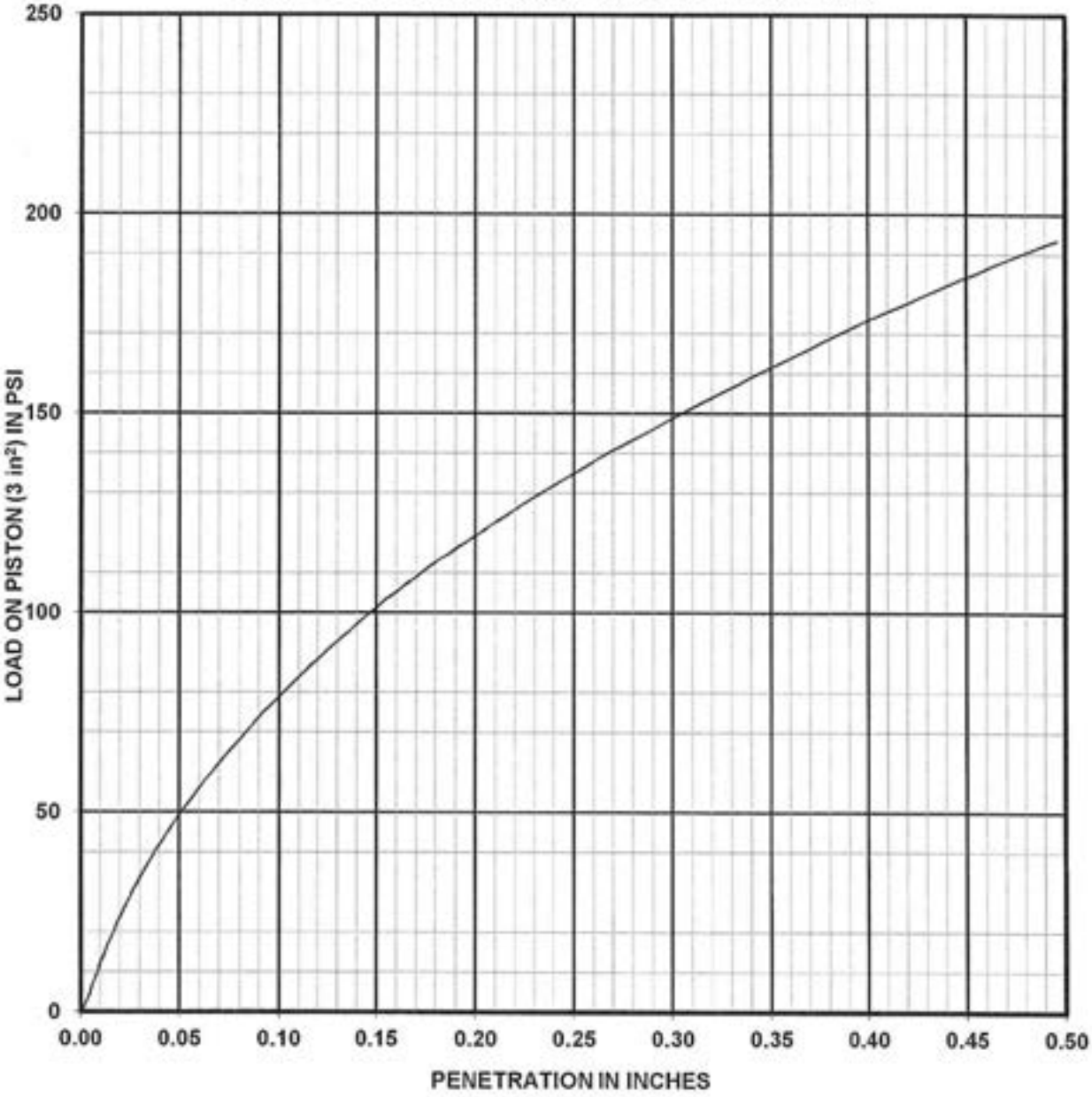
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 4.5* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 184

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: TP 3-2 at 1' to 2' CS#: 13374
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 88 hours

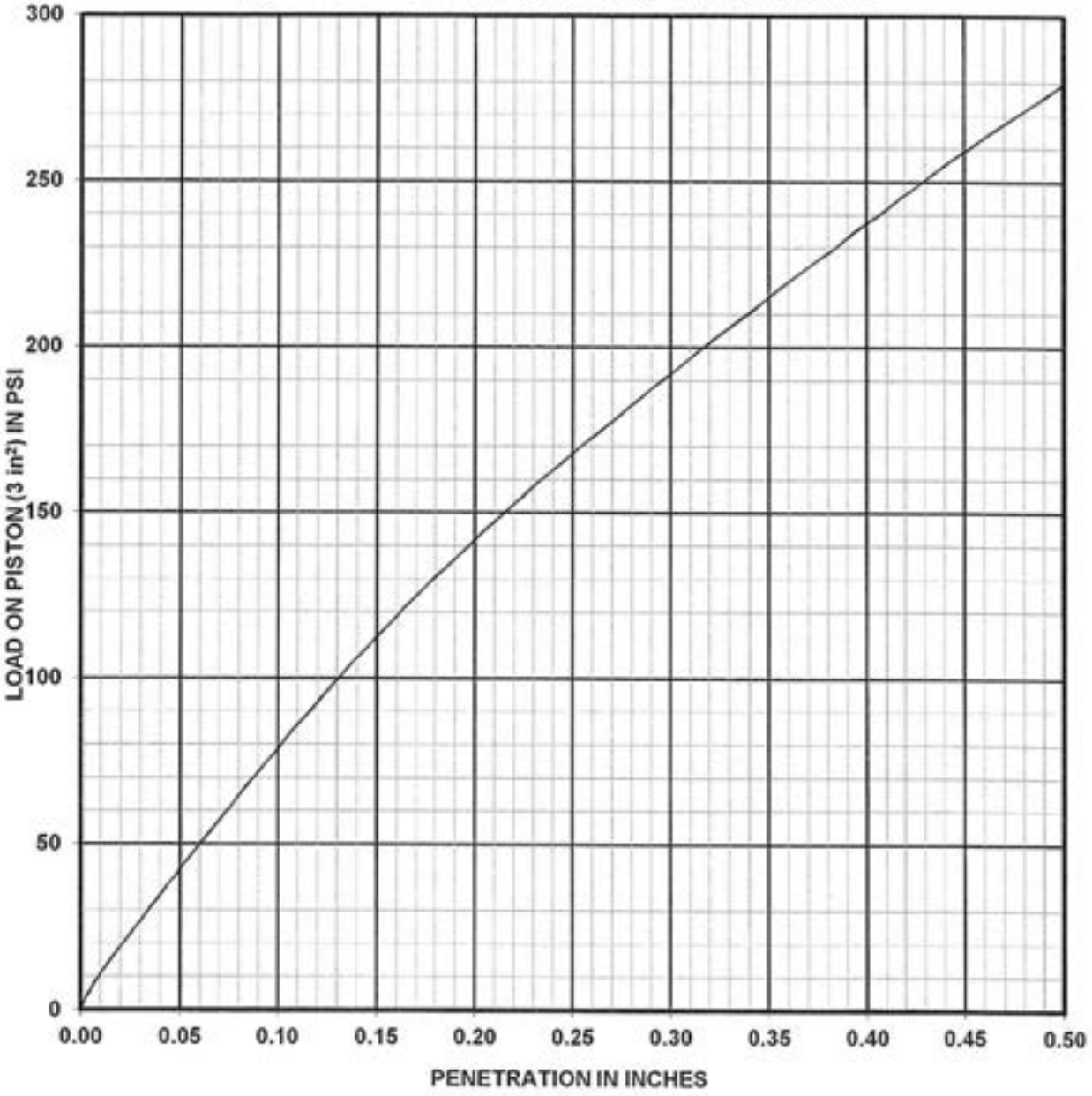
Dry Density: as molded 106 pcf
after soaking 106 pcf
Swell: after soaking 1.1 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 19 percent
top 1-inch after soaking 19 percent
average after soaking 19 percent

Bearing Ratio of Sample, **CBR = 4.3*** percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 185

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: TP 3-3 at 1' to 2' CS#: 13375
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 88 hours

Dry Density:	as molded	107 pcf	Moisture Content:	as molded	17	percent
	after soaking	109 pcf		top 1-inch after soaking	18	percent
Swell:	after soaking	0.0 percent		average after soaking	18	percent

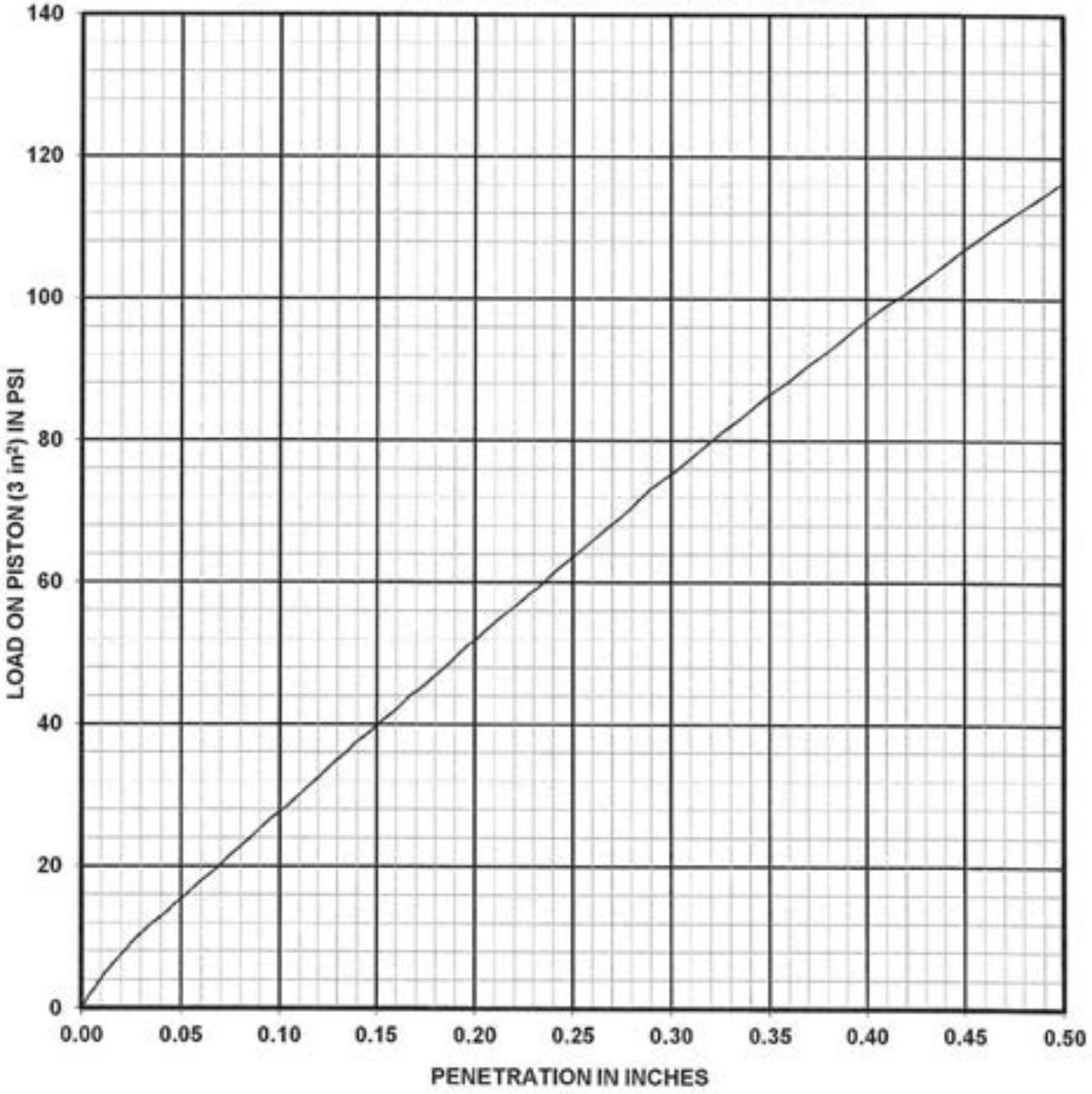
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Bearing Ratio of Sample, CBR = 4.8* percent with a surcharge of 20 lb

* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 186

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: CBR 3-1 at 1' to 2' CS#: 13372
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 93 hours

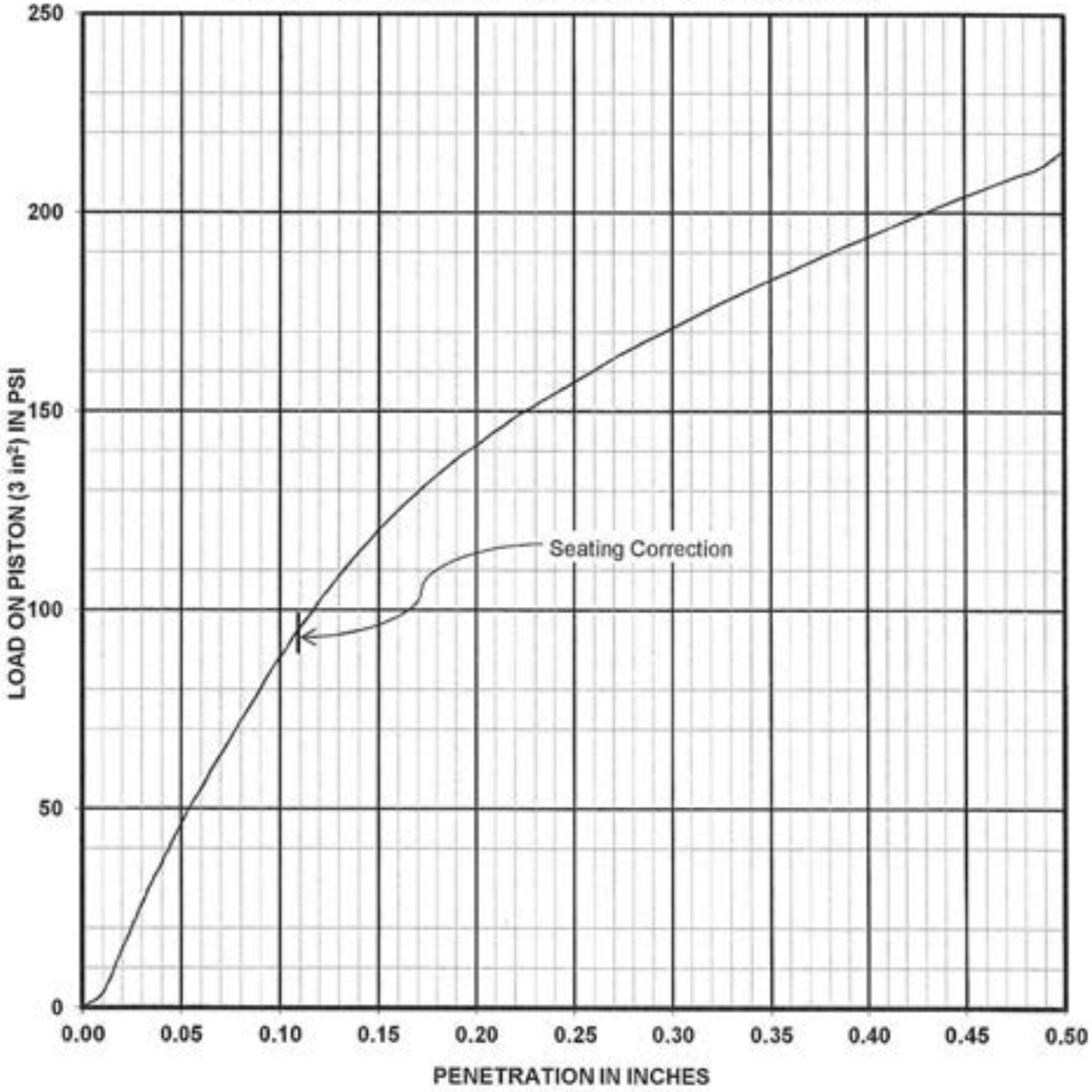
Dry Density: as molded 105 pcf
after soaking 107 pcf
Swell: after soaking -0.2 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 20 percent
top 1-inch after soaking 20 percent
average after soaking 20 percent

Bearing Ratio of Sample, CBR = 1.8* percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 187

Applied Geotechnical Engineering Consultants, Inc.



Sample of Lean Clay (CL)
Location: B 3-1 at 2' to 5' CS#: 13376
Method of sample preparation: Sample remolded to approximately 100% Maximum Dry Density at approximate Optimum Moisture Content using AASHTO T-99B

Sample penetration after soaking for 87 hours

Dry Density: as molded 104 pcf
after soaking 105 pcf
Swell: after soaking 0.2 percent
(Swell Expressed as Positive Value, Compression Expressed as Negative Value)

Moisture Content: as molded 19 percent
top 1-inch after soaking 23 percent
average after soaking 22 percent

Bearing Ratio of Sample, **CBR = 4.8*** percent with a surcharge of 20 lb
* Adjusted to represent 95% compaction

Proj. No. 1140850 **CALIFORNIA BEARING RATIO TEST RESULTS** Figure 188

APPLIED GEOTECHNICAL ENGINEERING CONSULTANTS, INC.

TABLE I

SUMMARY OF LABORATORY TEST RESULTS

PROJECT NUMBER 1140850

SAMPLE LOCATION		GRADATION			ATTERBERG LIMITS		STANDARD PROCTOR		CALIFORNIA BEARING RATIO (%)	SAMPLE CLASSIFICATION
BORING OR TEST PIT	DEPTH (FEET)	GRAVEL (%)	SAND (%)	SILT/ CLAY (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	MAXIMUM DRY DENSITY (PCF)	OPTIMUM MOISTURE CONTENT (%)		
TP 1-1	1-2	34	29	37			103.5	20	5.9	Clayey Gravel with Sand (GC)
TP 1-2	1-2	23	46	31			116.7	10.4	14	Clayey Sand with Gravel (SC)
TP 1-3	1-2	0	13	87			93.5	23.1	3.2	Silt (ML)
TP 1-4	1-2	4	44	52			109	15.5	5.8	Sandy Lean Clay (CL)
TP 1-5	1-2	4	29	67			106.8	15.9	5.6	Sandy Lean Clay (CL)
TP 1-6	1-2	7	53	40			110	13.9	9.7	Silty Sand (SM)
TP 1-7	1-2	0	12	88			90.8	25.5	3.5	Lean Clay (CL)
TP 1-8	1-2	7	36	57			107.5	14.5	7.6	Sandy Lean Clay (CL)
TP 1-9	1-2	0	15	85			105.2	17.5	2.4	Lean Clay with Sand (CL)
TP 1-10	1-2	0	67	33			109.2	16.3	7.3	Silty Sand (SM)
TP 1-11	1-2	4	53	43			110.2	14.5	6.3	Clayey Sand (SC)
TP 1-12	1-2	0	13	87			102.7	17.9	4.8	Lean Clay (CL)
TP 1-13	1-2	3	28	69			105.6	17	6.4	Sandy Lean Clay (CL)
TP 1-14	1-2	0	6	94			101.3	19.8	4.3	Lean Clay (CL)
TP 1-15	1-2	5	38	57			111.2	15	7.1	Sandy Lean Clay (CL)
TP 1-16	1-2	29	19	52			109.7	15	4.5	Gravelly Lean Clay with Sand (CL)
TP 1-17	1-2	1	15	84			102.7	20	3.0	Lean Clay with Sand (CL)
TP 1-18	1-2	0	5	95			95	22.1	3.2	Lean Clay (CL)
CBR 1-1	1-2	32	56	12	34	13	117.7	13.2	7.9	Poorly-graded Sand with Clay and Gravel (SP-SC)
CBR 1-2	1-2	4	49	47	40	23	110	15.3	5.9	Clayey Sand (SC)

APPLIED GEOTECHNICAL ENGINEERING CONSULTANTS, INC.

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SUMMARY OF LABORATORY TEST RESULTS

PROJECT NUMBER 1140850

SAMPLE LOCATION		GRADATION			ATTERBERG LIMITS		STANDARD PROCTOR		CALIFORNIA BEARING RATIO (%)	SAMPLE CLASSIFICATION
BORING OR TEST PIT	DEPTH (FEET)	GRAVEL (%)	SAND (%)	SILT/ CLAY (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	MAXIMUM DRY DENSITY (PCF)	OPTIMUM MOISTURE CONTENT (%)		
CBR 1-3	1-3	1	32	67	33	19	101.9	19.2	4.1	Sandy Lean Clay (CL)
CBR 1-4	1-3	1	32	67	38	20	101	21	4.9	Sandy Lean Clay (CL)
CBR 1-5	1-3	0	30	70	40	21	99.5	19.8	4.6	Sandy Lean Clay (CL)
CBR 1-6	1-3	1	24	75	43	26	100	19.8	3.1	Lean Clay with Sand (CL)
TP 2-1	1-2	2	23	75			108.8	17.2	4.3	Lean Clay with Sand (CL)
TP 2-2	1-2	0	48	52			106.7	17	3.5	Sandy Silt (ML)
TP 2-3	1-2	0	47	53			109.1	14.3	16	Sandy Silt (ML)
TP 2-4	1-2	0	6	94			106.5	18.3	3.1	Lean Clay (CL)
TP 2-5	1-2	0	50	50			111.2	15.5	4.6	Sandy Lean Clay (CL)
TP 2-6	1-2	0	22	78	31	15	103.1	18.9	3.7	Lean Clay with Sand (CL)
TP 2-7	1-2	8	33	59			109.9	16.4	3.6	Sandy Lean Clay (CL)
TP 2-8	1-2	0	45	55	37	17	109.4	15	7.6	Sandy Lean Clay (CL)
TP 2-9	1-2	34	32	34			120.7	12.4	2.9	Clayey Gravel with Sand (GC)
TP 2-10	1-2	0	17	83			97.2	23.1	2.3	Lean Clay with Sand (CL)
TP 2-11	1-2	0	12	88			102	20.8	2.7	Lean Clay (CL)
TP 2-12	1-2	1	22	77			107.6	16.9	2.8	Lean Clay with Sand (CL)
TP 2-13	1-2	0	6	94			99	23	2.9	Lean Clay (CL)
TP 2-14	1-2	0	12	88			96.1	22.5	4.1	Lean Clay (CL)
TP 2-15	1-2	0	10	90			103.2	20.4	4.5	Lean Clay (CL)
TP 2-16	1-2	2	50	48			113.6	13.8	9.5	Clayey Sand (SC)

APPLIED GEOTECHNICAL ENGINEERING CONSULTANTS, INC.

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SUMMARY OF LABORATORY TEST RESULTS

PROJECT NUMBER 1140850

SAMPLE LOCATION		GRADATION			ATTERBERG LIMITS		STANDARD PROCTOR		CALIFORNIA BEARING RATIO (%)	SAMPLE CLASSIFICATION
BORING OR TEST PIT	DEPTH (FEET)	GRAVEL (%)	SAND (%)	SILT/ CLAY (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	MAXIMUM DRY DENSITY (PCF)	OPTIMUM MOISTURE CONTENT (%)		
TP 2-17	1-2	0	30	70			109.9	17.2	2.8	Sandy Lean Clay (CL)
TP 2-18	1-2	0	28	72			107.4	17.7	3.8	Lean Clay with Sand (CL)
TP 2-19	1-2	0	7	93			102.4	19.1	5.9	Lean Clay (CL)
TP 2-20	1-2	4	12	84			103.6	20	2.1	Lean Clay with Sand (CL)
TP 2-21	1-2	0	35	65			108.4	17.6	4.7	Sandy Lean Clay (CL)
TP 2-22	1-2	0	8	92			102.4	21.4	3.0	Lean Clay (CL)
TP 2-23	1-2	0	26	74			109.3	16.5	3.9	Lean Clay with Sand (CL)
TP 2-24	1-2	0	9	91			108.5	17.9	4.2	Lean Clay (CL)
TP 2-25	1-2	0	9	91			100.4	20.5	3.6	Lean Clay (CL)
TP 2-26	1-2	0	18	82			102.8	20.1	2.7	Lean Clay with Sand (CL)
TP 2-27	1-2	0	24	76			109	17	2.3	Lean Clay with Sand (CL)
TP 2-28	1-2	0	36	64			107.3	17.5	4.6	Sandy Lean Clay (CL)
TP 2-29	1-2	0	6	94			104.2	19.3	3.2	Lean Clay (CL)
TP 2-30	1-2	0	25	75			107.8	17.9	2.3	Lean Clay with Sand (CL)
TP 2-31	1-2	0	8	92			100.5	23	2.5	Lean Clay (CL)
TP 2-32	1-2	0	20	80			106.5	18.1	4.2	Lean Clay with Sand (CL)
TP 2-33	1-2	0	27	73			106.2	16.2	6.0	Lean Clay with Sand (CL)
TP 2-34	1-2	0	35	65			111.2	14.5	10	Sandy Lean Clay (CL)
TP 2-35	1-2	0	17	83			106.3	18.2	3.1	Lean Clay with Sand (CL)
CBR 2-1	1-3	0	24	76	29	12	104.8	17.5	4.2	Lean Clay with Sand (CL)

APPLIED GEOTECHNICAL ENGINEERING CONSULTANTS, INC.

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SUMMARY OF LABORATORY TEST RESULTS

PROJECT NUMBER 1140850

SAMPLE LOCATION		GRADATION			ATTERBERG LIMITS		STANDARD PROCTOR		CALIFORNIA BEARING RATIO (%)	SAMPLE CLASSIFICATION
BORING OR TEST PIT	DEPTH (FEET)	GRAVEL (%)	SAND (%)	SILT/ CLAY (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	MAXIMUM DRY DENSITY (PCF)	OPTIMUM MOISTURE CONTENT (%)		
CBR 2-2	1-3	0	56	44			104	16	8.7	Silty Sand (SM)
CBR 2-3	1-3	0	15	85	31	15	102	19.1	2.2	Lean Clay with Sand (CL)
CBR 2-4	1-2	0	73	27			109	14	14	Silty Sand (SM)
CBR 2-5	1-2	0	32	68			102.4	19.5	5.4	Sandy Lean Clay (CL)
CBR 2-6	1-3	1	10	89			99.6	22.5	4.2	Lean Clay (CL)
CBR 2-7	1-3	0	18	82			104.6	20.4	2.0	Lean Clay with Sand (CL)
CBR 2-8	1-3	0	8	92	33	15	96.8	21	3.0	Lean Clay (CL)
CBR 2-9	1-2	0	21	79			106.7	16.5	4.6	Lean Clay with Sand (CL)
CBR 2-10	1-3	0	13	87	37	17	97.2	22.8	3.0	Lean Clay (CL)
CBR 2-11	1-3	0	26	74			106.3	18.2	4.3	Lean Clay with Sand (CL)
CBR 2-12	1-2	0	28	72			111.4	15.2	3.6	Lean Clay with Sand (CL)
CBR 2-13	1-3	0	6	94	35	16	101	20.5	2.4	Lean Clay (CL)
CBR 2-14	1-3	0	18	82			101.4	19.5	2.6	Lean Clay with Sand (CL)
CBR 2-15	1-2	0	30	70			108.2	16.1	4.6	Sandy Lean Clay (CL)
CBR 2-16	1-2	3	37	60	28	12	109.2	15.2	6.2	Sandy Lean Clay (CL)
CBR 2-17	1-2	0	33	67			106.3	17	6.2	Sandy Lean Clay (CL)
CBR 2-18	1-3	50	21	29			119.8	12.9	2.6	Clayey Gravel with Sand (GC)
CBR 2-19	1-3	1	39	60			106.8	16.5	3.4	Sandy Lean Clay (CL)
CBR 2-20	1-3	0	6	94	36	18	100.8	19.4	2.8	Lean Clay (CL)
CBR 2-21	1-2	0	8	92			103.6	19	4.8	Lean Clay (CL)

APPLIED GEOTECHNICAL ENGINEERING CONSULTANTS, INC.

TABLE I

SHEET 5 OF 5

SUMMARY OF LABORATORY TEST RESULTS

PROJECT NUMBER 1140850

SAMPLE LOCATION		GRADATION			ATTERBERG LIMITS		STANDARD PROCTOR		CALIFORNIA BEARING RATIO (%)	SAMPLE CLASSIFICATION
BORING OR TEST PIT	DEPTH (FEET)	GRAVEL (%)	SAND (%)	SILT/ CLAY (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	MAXIMUM DRY DENSITY (PCF)	OPTIMUM MOISTURE CONTENT (%)		
CBR 2-22	1-2	1	24	75			109.4	16.1	3.2	Lean Clay with Sand (CL)
CBR 2-23	1-2	0	20	80	30	15	110	15.2	4.3	Lean Clay with Sand (CL)
CBR 2-24	1-2	0	30	70			108.1	17.4	5.6	Sandy Lean Clay (CL)
CBR 2-25	1-2	0	32	68			109.9	16	5.2	Sandy Lean Clay (CL)
B 2-1	3-5	1	35	64			113.8	13.9	8.6	Sandy Lean Clay (CL)
B 2-2	2-4	0	8	92			101	20	3.7	Lean Clay (CL)
B 2-3	3-5	3	23	74			109.7	17.2	2.8	Lean Clay with Sand (CL)
B 2-4	2-4	8	58	34			120.7	10.5	7.0	Clayey Sand (SC)
B 2-5	3-5	0	5	95	42	25	102.8	20.1	2.6	Lean Clay (CL)
TP 3-1	1-2	0	20	80	26	10	109	16.3	4.5	Lean Clay with Sand (CL)
TP 3-2	1-2	0	6	94			105.8	19.5	4.3	Lean Clay (CL)
TP 3-3	1-2	0	13	87			106.9	17.2	4.8	Lean Clay (CL)
CBR 3-1	1-2	0	12	88			105.8	18.1	1.8	Lean Clay (CL)
B 3-1	2-5	0	1	99	40	21	103.9	18.8	4.8	Lean Clay (CL)