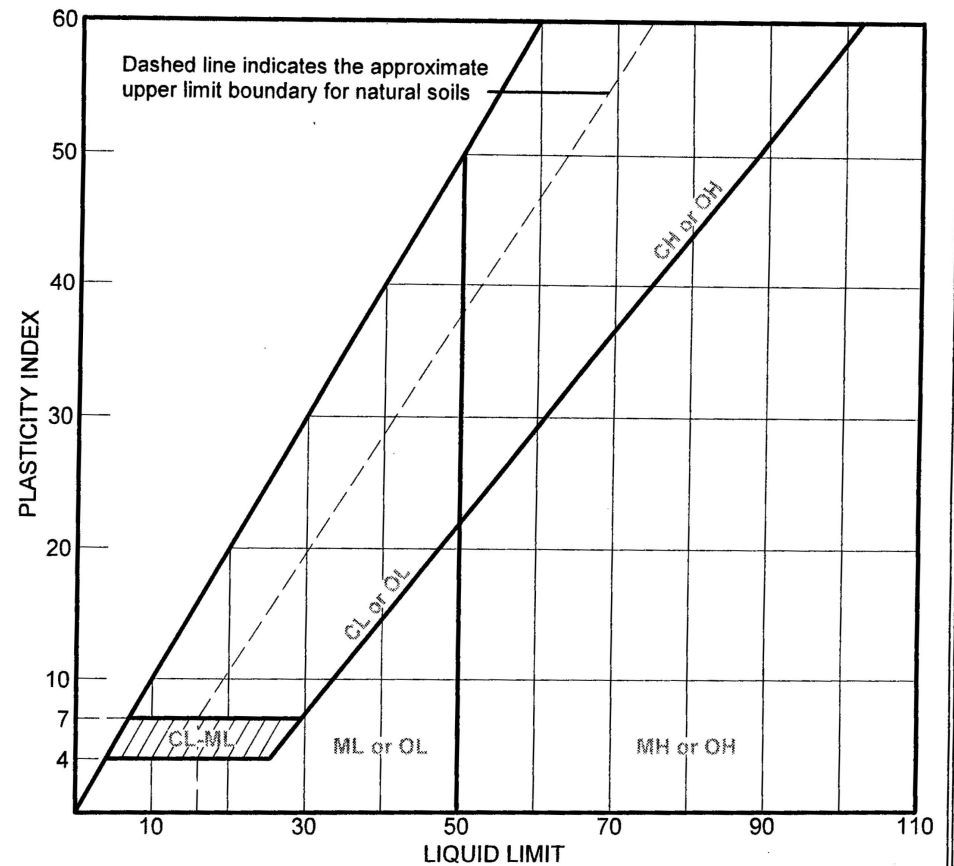


LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-217	2	1.5'	8/3/06	ML	SILT Sandy (ML); Red, Micaceous	26.6	NV	NP

Client Bechtel Power Corporation

Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.

Charlotte, North Carolina

Tested by: FHM Reviewed by: JRS
ASTM D4318-05

JRS
11-17-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-217

Sample No.: 2

Elev. or Depth: 1.5'

Sample Length(in./cm.):

Location:

Description: SILT Sandy (ML); Red, Micaceous

Date: 8/3/06

Natural Moisture: 26.6

USCS Class.: ML

AASHTO Class.:

Testing Remarks: Tested by: FHM

Reviewed by: JRS

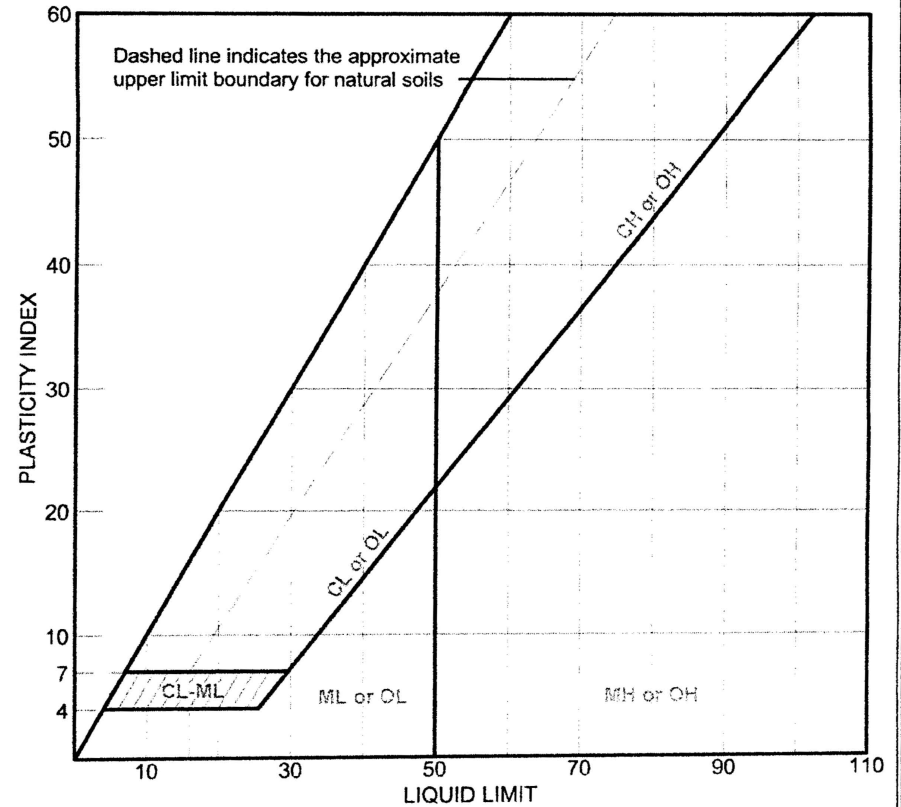
ASTM D4318-05

Liquid Limit= NV

Plastic Limit= NP

Plasticity Index= NP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-217	UD-1	8.5 Ft.	11/10/6	SM	Silty sand	N/A	NV	NP

Client
 Project SCE&G COL
 Project No. 6234-06-3534S

**MACTEC ENGINEERING
 AND
 CONSULTING, INC.**

• Tested by: JM Reviewed by: HJ ASTM D 4318-05

JR 11/24/06

LIQUID AND PLASTIC LIMIT TEST DATA

Client:

Project: SCE&G COL

Project Number: 6234-06-3534S

Sample Data

Source: B-217

Sample No.: UD-1

Elev. or Depth: 8.5 Ft.

Sample Length(in./cm.): 5380

Location: B-217

Description: Silty sand

Date: 11/10/6

Natural Moisture: N/A

USCS Class.: SM

AASHTO Class.: N/A

Testing Remarks: Tested by: JM

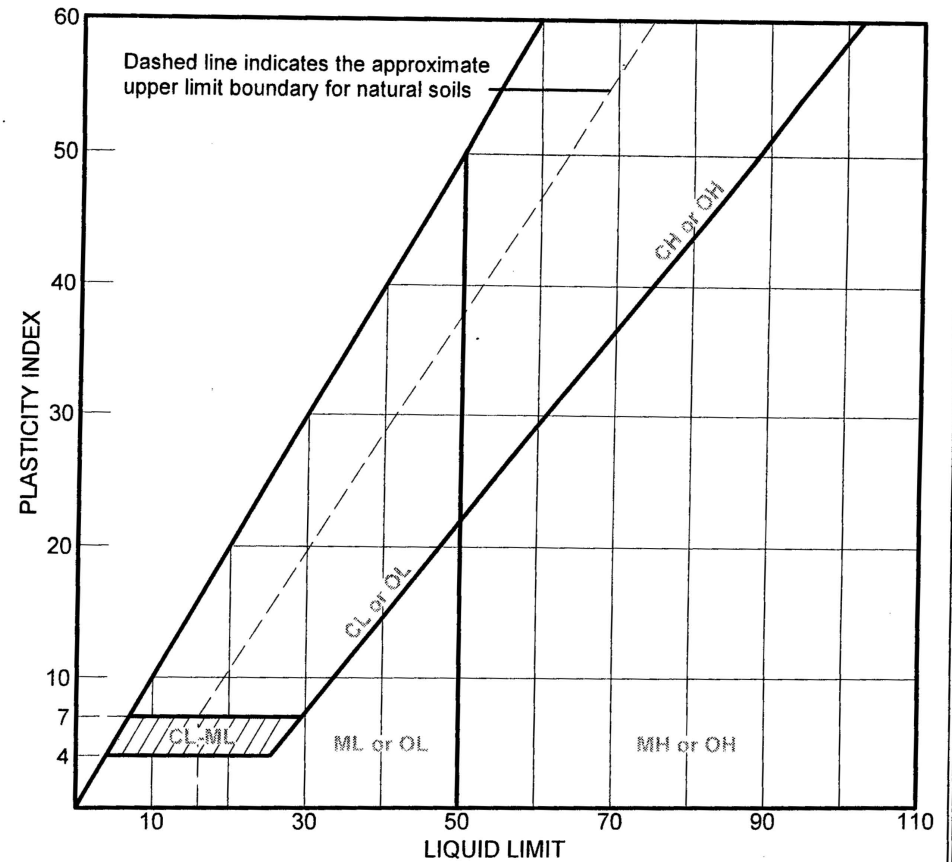
Reviewed by: HJ ASTM D 4318-05

Liquid Limit= _____

Plastic Limit= _____ NP

Plasticity Index= _____ NP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-217	5	10.5'	8/3/06	SM	SAND Silty (SM); Light Olive Brown, White, Light Gray, Micaceous	21.3	NV	NP

Client Bechtel Power Corporation

Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.

Charlotte, North Carolina

• Tested by: FHM Reviewed by: JRS
ASTM D4318-05

JRS
11-17-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-217

Sample No.: 5

Elev. or Depth: 10.5'

Sample Length(in./cm.):

Location:

Description: SAND Silty (SM); Light Olive Brown, White, Light Gray, Micaceous

Date: 8/3/06

Natural Moisture: 21.3

USCS Class.: SM

AASHTO Class.:

Testing Remarks: Tested by: FHM

Reviewed by: JRS

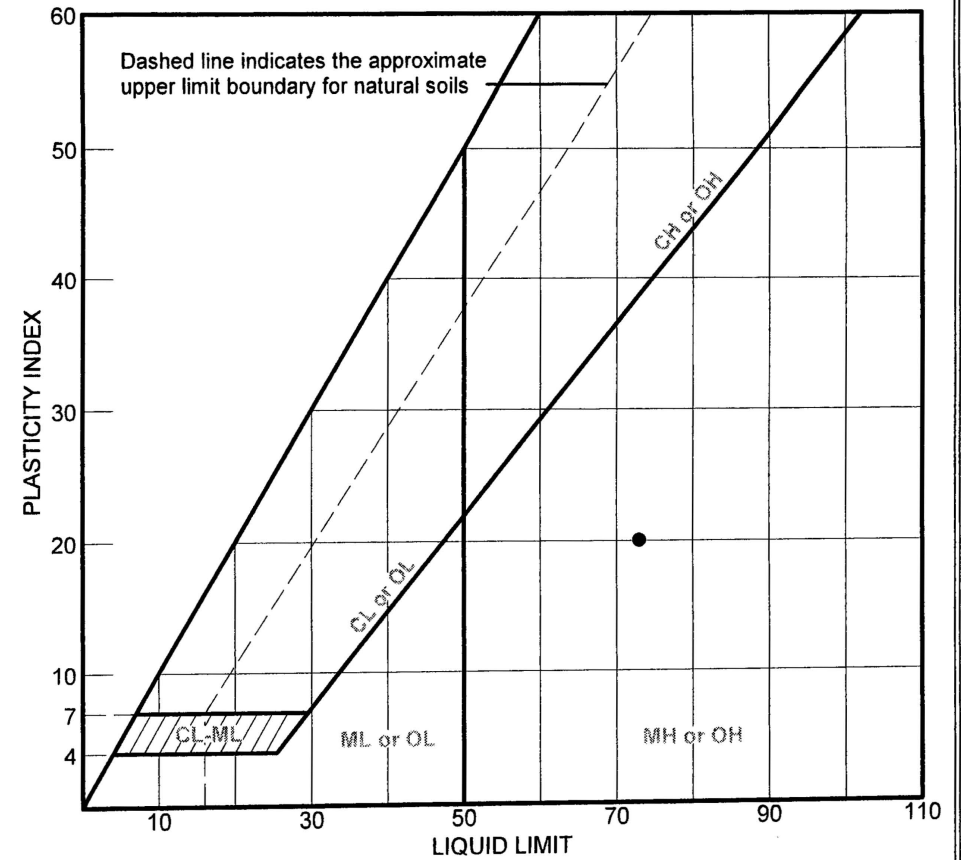
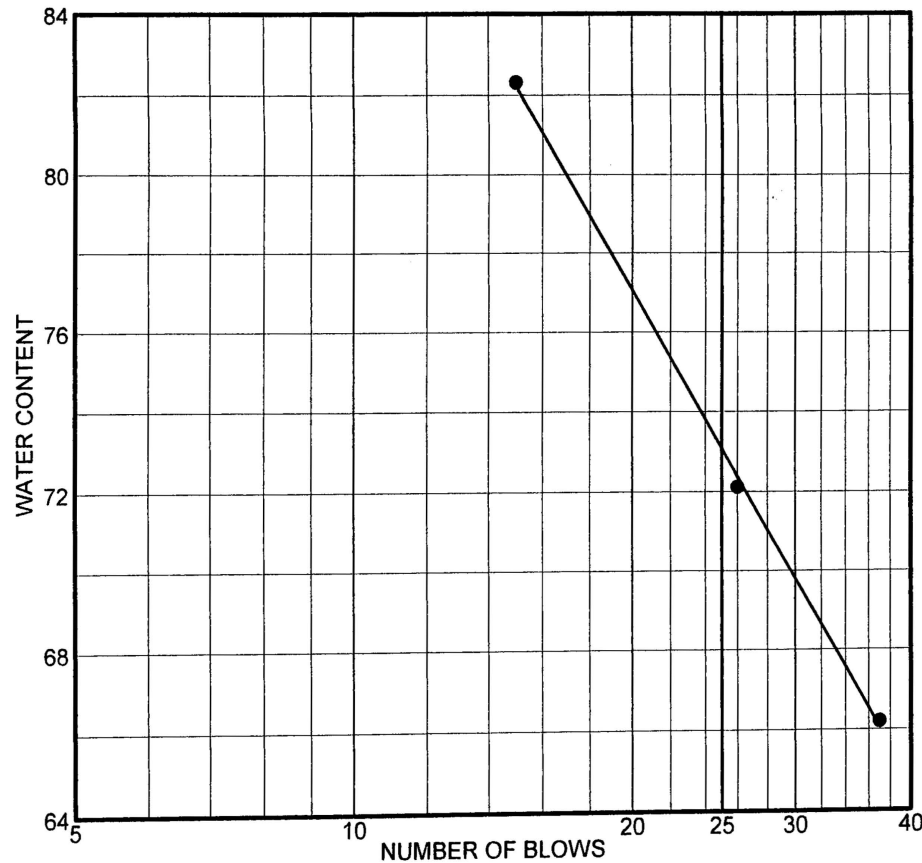
ASTM D4318-05

Liquid Limit= NV

Plastic Limit= NP

Plasticity Index= NP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-220	4	6.0'	8/6/06		SILT Clayey (MH); Red	25.1	73	20

Client Bechtel Power Corporation
Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.
Charlotte, North Carolina

• Tested by: FHM Reviewed by: JRS
ASTM D4318-05

JRS
11-17-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-220

Sample No.: 4

Elev. or Depth: 6.0'

Sample Length(in./cm.):

Location:

Description: SILT Clayey (MH); Red

Date: 8/6/06

Natural Moisture: 25.1

USCS Class.:

AASHTO Class.:

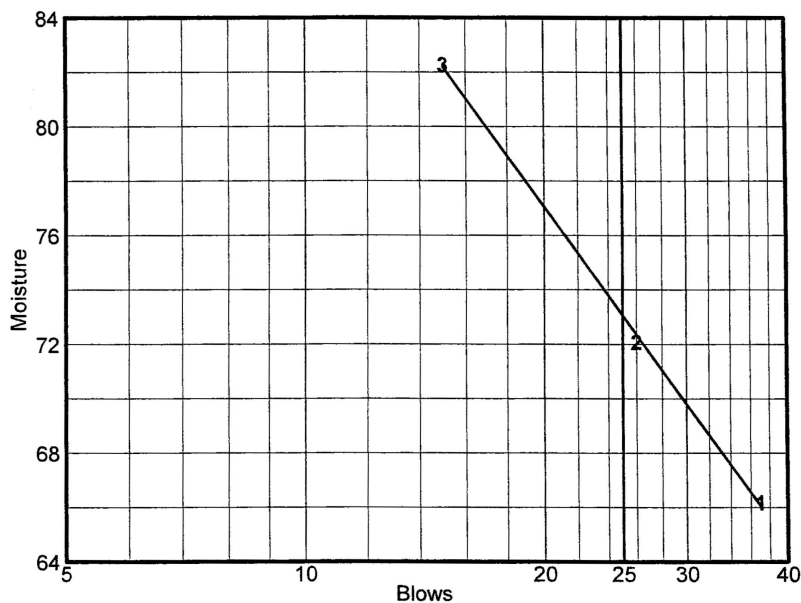
Testing Remarks: Tested by: FHM

Reviewed by: JRS

ASTM D4318-05

Liquid Limit Data

Run No.	1	2	3	4	5	6
Wet+Tare	30.86	33.16	36.68			
Dry+Tare	22.95	23.90	25.03			
Tare	11.01	11.05	10.87			
# Blows	37	26	15			
Moisture	66.2	72.1	82.3			

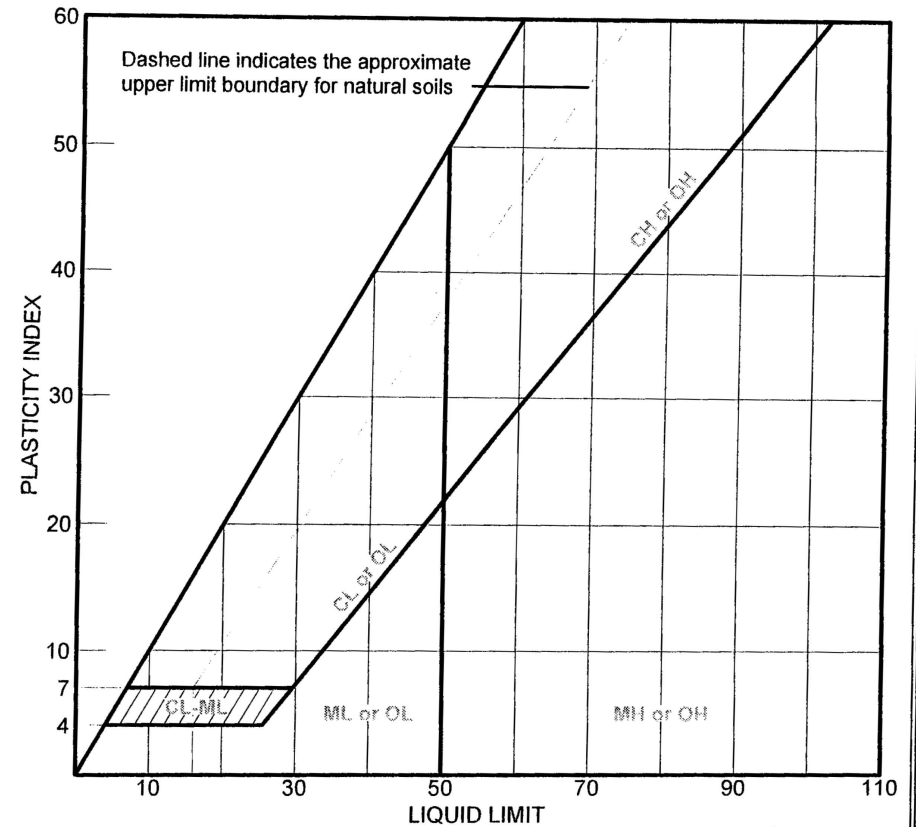


Liquid Limit= 73
 Plastic Limit= 53
 Plasticity Index= 20

Plastic Limit Data

Run No.	1	2	3	4	
Wet+Tare	17.94	17.58			
Dry+Tare	15.47	15.44			
Tare	10.84	11.45			
Moisture	53.3	53.6			

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-222	UD-1	8.5 Ft	10/9/06	N/A		N/A	NV	NP

Client _____
 Project SCE&G COL
 Project No. 6234-06-3534S Figure _____

**MACTEC ENGINEERING
AND
CONSULTING, INC.**

• Tested by: JM Reviewed by: HJ
 ASTM D 4318-05

JPA
11/21/06

LIQUID AND PLASTIC LIMIT TEST DATA

Client:

Project: SCE&G COL

Project Number: 6234-06-3534S

Sample Data

Source: B-222

Sample No.: UD-1

Elev. or Depth: 8.5 Ft

Sample Length(in./cm.): 5384

Location: B-222

Description:

Date: 10/9/06

Natural Moisture: N/A

USCS Class.: N/A

AASHTO Class.: N/A

Testing Remarks: Tested by: JM

Reviewed by: HJ

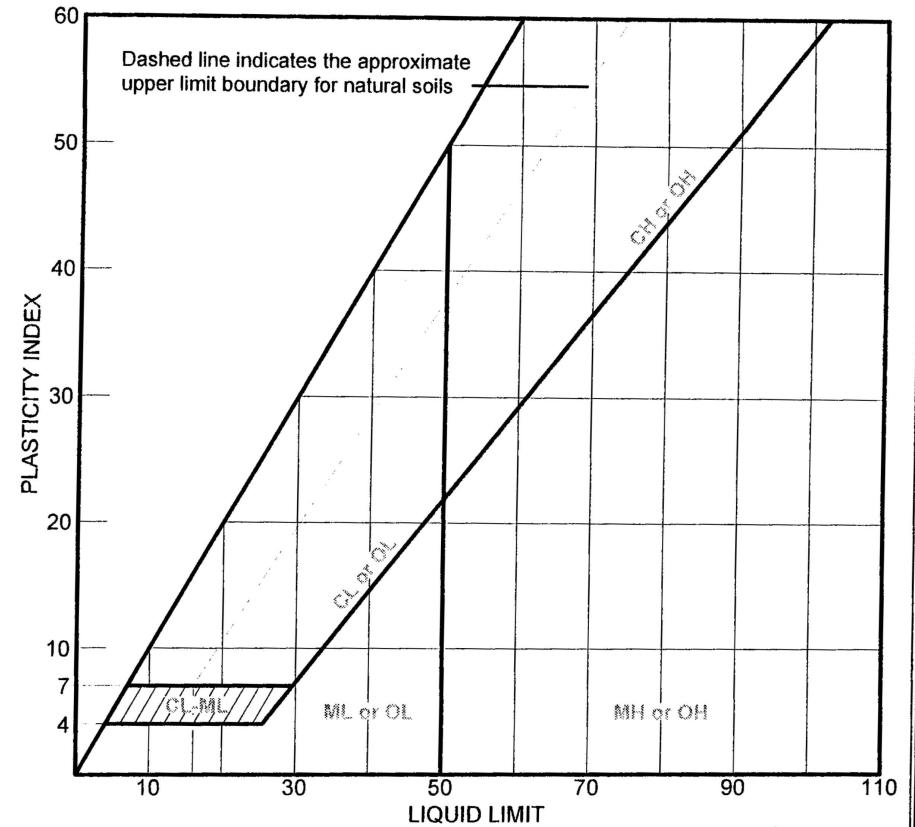
ASTM D 4318-05

Liquid Limit= NV

Plastic Limit= NP

Plasticity Index= NP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-222	UD-2	18.5 Ft.	10/3/06	N/A		N/A	NV	NP

Client
 Project SCE&G COL
 Project No. 6234-06-3534S

**MACTEC ENGINEERING
 AND
 CONSULTING, INC.**

• Tested by: JM Reviewed by: HJ
 ASTM D 4318-05

[Signature]
 11/24/06

LIQUID AND PLASTIC LIMIT TEST DATA

Client:

Project: SCE&G COL

Project Number: 6234-06-3534S

Sample Data

Source: B-222

Sample No.: UD-2

Elev. or Depth: 18.5 Ft.

Sample Length(in./cm.): 5385

Location: B-222

Description:

Date: 10/3/06

Natural Moisture: N/A

USCS Class.: N/A

AASHTO Class.: N/A

Testing Remarks: Tested by: JM

Reviewed by: HJ

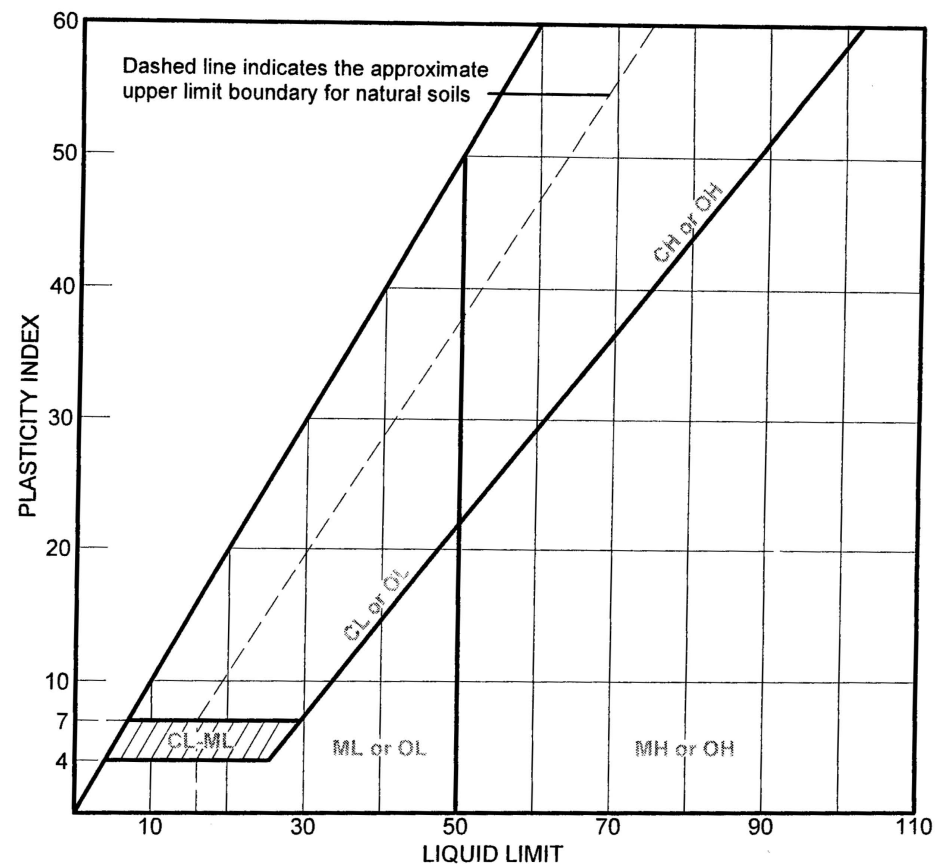
ASTM D 4318-05

Liquid Limit= NV

Plastic Limit= NP

Plasticity Index= NP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-301	3A	3.5'	9/15/06		3A: SAND Silty (SM); Strong Brown	varies	NV	NP
					3B: CLAY Sandy (CH); White (Insufficient material)			

Client Bechtel Power Corporation

Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.

Charlotte, North Carolina

• Tested by: FHM Reviewed by: JRS
 3A Moisture Content= 12.6%
 3B Moisture Content= 62.6%
 Atterberg limits test performed on sample 3A only.
 Insufficient sample for Atterberg limit determination on 3B.

JRS
11/16/06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-301

Sample No.: 3A

Elev. or Depth: 3.5'

Sample Length(in./cm.):

Location:

Description: 3A:SAND Silty (SM); Strong Brown

3B:CLAY Sandy (CH); White (Insufficient material)

Date: 9/15/06

Natural Moisture: varies

USCS Class.:

AASHTO Class.:

Testing Remarks: Tested by: FHM Reviewed by: JRS

3A Moisture Content= 12.6%

3B Moisture Content= 62.6%

Atterberg limits test performed on sample 3A only.

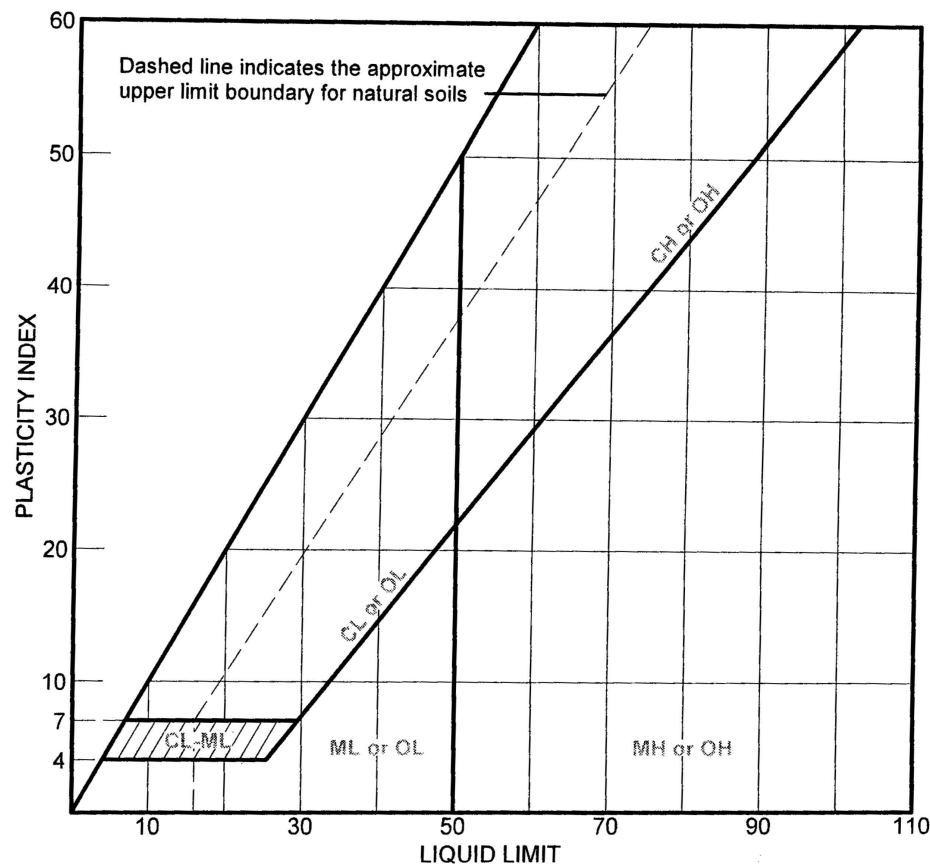
Insufficient sample for Atterberg limit determination on 3B.

Liquid Limit= NV

Plastic Limit= NP

Plasticity Index= NP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-301	7	13.5'	8/6/06	SM	SAND Silty (SM); Brown, Micaceous	15.9	NV	NP

Client Bechtel Power Corporation

Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.

Charlotte, North Carolina

• Tested by: FHM/JA Reviewed by: JRS
ASTM D4318-05

JRS.
11-16-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-301

Sample No.: 7

Elev. or Depth: 13.5'

Sample Length(in./cm.):

Location:

Description: SAND Silty (SM); Brown, Micaceous

Date: 8/6/06 **Natural Moisture:** 15.9

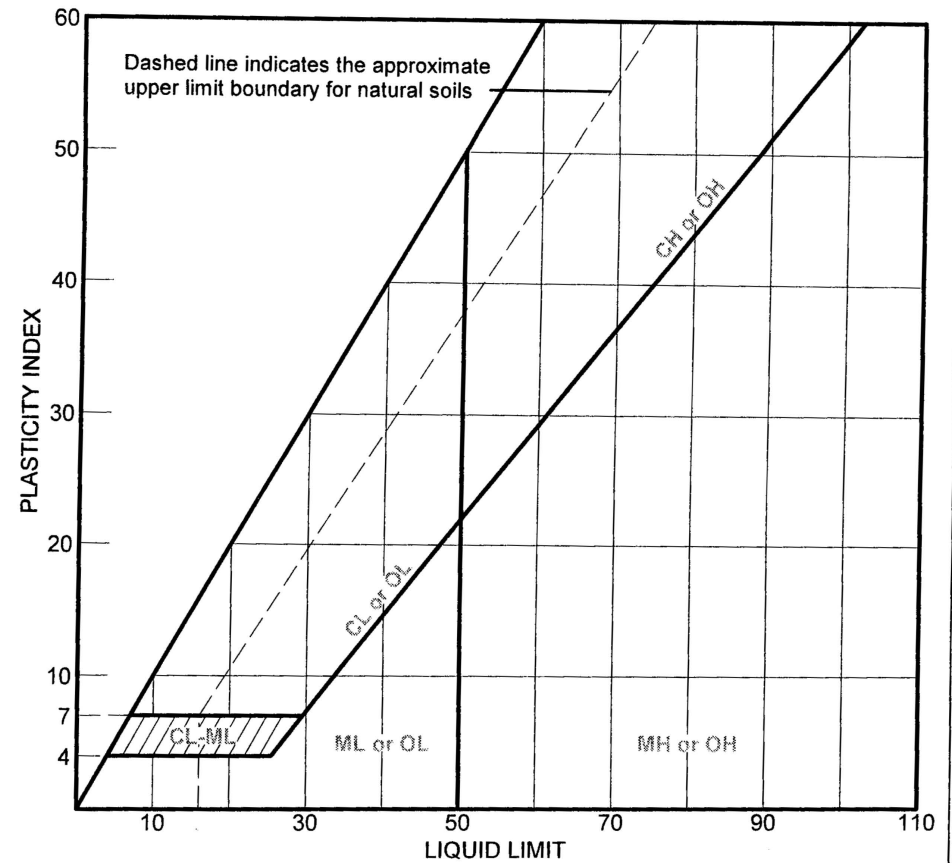
USCS Class.: SM

AASHTO Class.:

Testing Remarks: Tested by: FHM/JA Reviewed by: JRS
ASTM D4318-05

Liquid Limit= NV
Plastic Limit= NP
Plasticity Index= NP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-301	10	28.5'	8/6/06	SM	SAND Silty (SM); Brown, Micaceous	15.9	NV	NP

Client Bechtel Power Corporation

Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.

Charlotte, North Carolina

• Tested by: FHM Reviewed by: JRS
ASTM D4318-05

JRS
11-16-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-301

Sample No.: 10

Elev. or Depth: 28.5'

Sample Length(in./cm.):

Location:

Description: SAND Silty (SM); Brown, Micaceous

Date: 8/6/06

Natural Moisture: 15.9

USCS Class.: SM

AASHTO Class.:

Testing Remarks: Tested by: FHM

Reviewed by: JRS

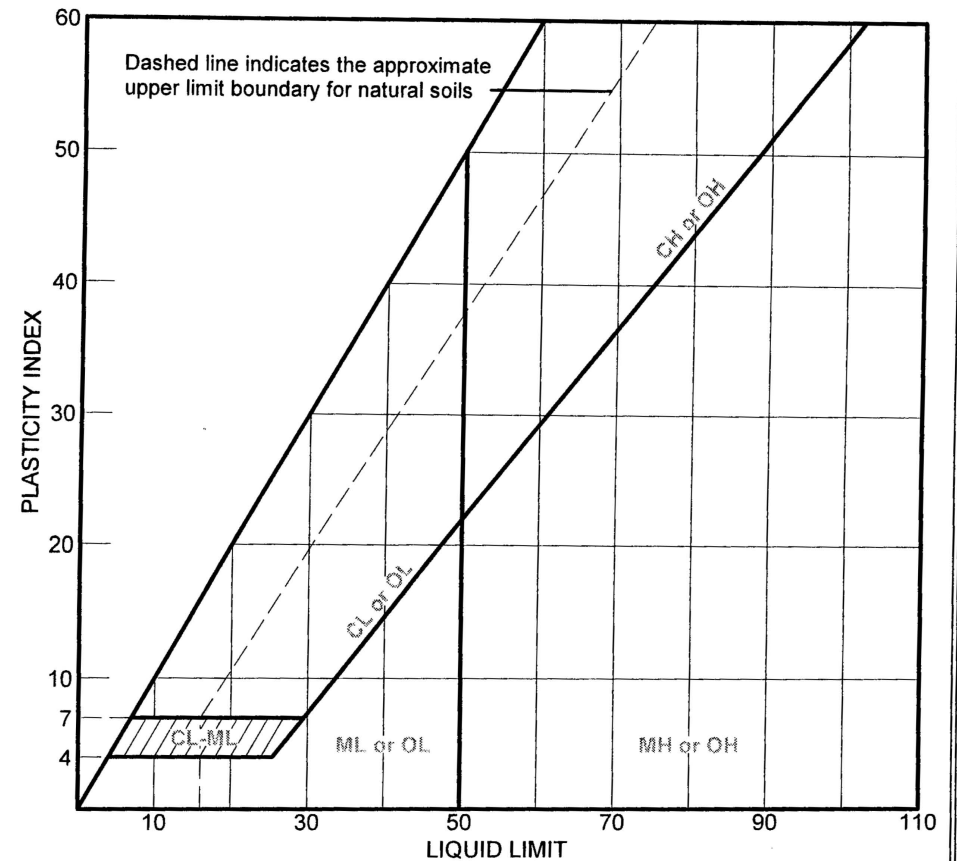
ASTM D4318-05

Liquid Limit= NV

Plastic Limit= NP

Plasticity Index= NP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-301	14	48.5'	8/6/06	SM	SAND Silty (SM); Yellowish Brown, Micaceous	18.4	NV	NP

Client Bechtel Power Corporation

Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.

Charlotte, North Carolina

• Tested by: FHM Reviewed by: JRS
ASTM D4318-05

JRS.
11-16-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-301

Sample No.: 14

Elev. or Depth: 48.5'

Sample Length(in./cm.):

Location:

Description: SAND Silty (SM); Yellowish Brown, Micaceous

Date: 8/6/06

Natural Moisture: 18.4

USCS Class.: SM

AASHTO Class.:

Testing Remarks: Tested by: FHM

Reviewed by: JRS

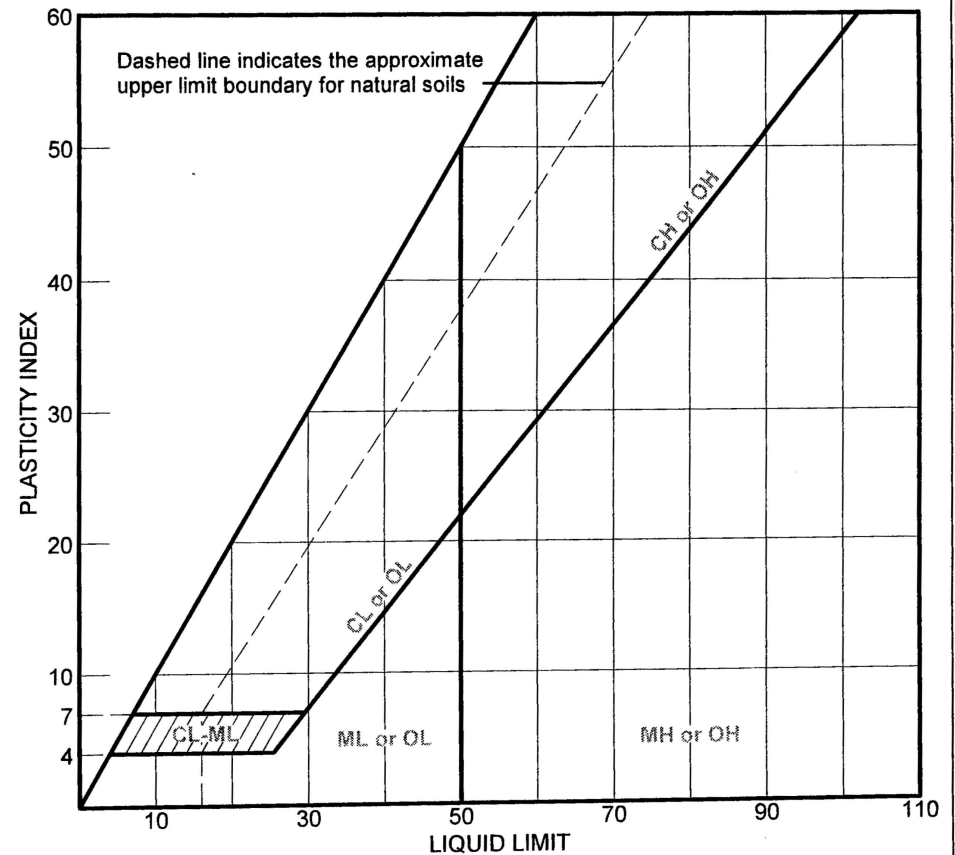
ASTM D4318-05

Liquid Limit= NV

Plastic Limit= NP

Plasticity Index= NP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-305	3	3.5'	8/6/06	SM	SAND Silty (SM); Red, Micaceous	30.3	NV	NP

Client Bechtel Power Corporation		MACTEC, INC. Charlotte, North Carolina	Tested by: FHM Reviewed by: JRS ASTM D4318-05 <i>JRS</i> 11-15-06
Project SCE&G COL			
Project No. 6234-06-3534	Figure		

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-305

Sample No.: 3

Elev. or Depth: 3.5'

Sample Length(in./cm.):

Location:

Description: SAND Silty (SM); Red, Micaceous

Date: 8/6/06 **Natural Moisture:** 30.3

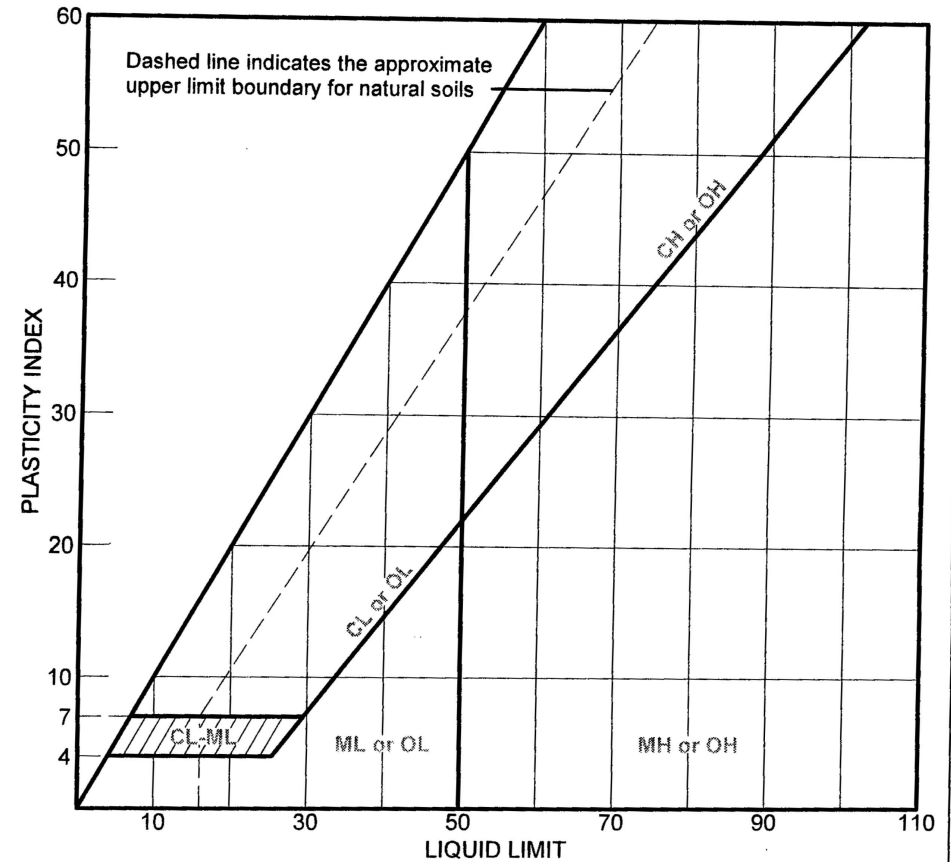
USCS Class.: SM

AASHTO Class.:

Testing Remarks: Tested by: FHM Reviewed by: JRS
ASTM D4318-05

Liquid Limit= NV
Plastic Limit= NP
Plasticity Index= NP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-306	2	1.5'	8/24/06	ML	SILT Sandy with Clay (ML); Red	29.9	NV	NP

Client Bechtel Power Corporation
Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.

Charlotte, North Carolina

• Tested by: JA Reviewed by: JRS
ASTM D4318-05

JRS
11-14-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-306

Sample No.: 2

Elev. or Depth: 1.5'

Sample Length(in./cm.):

Location:

Description: SILT Sandy with Clay (ML); Red

Date: 8/24/06 **Natural Moisture:** 29.9

USCS Class.: ML

AASHTO Class.:

Testing Remarks: Tested by: JA
ASTM D4318-05

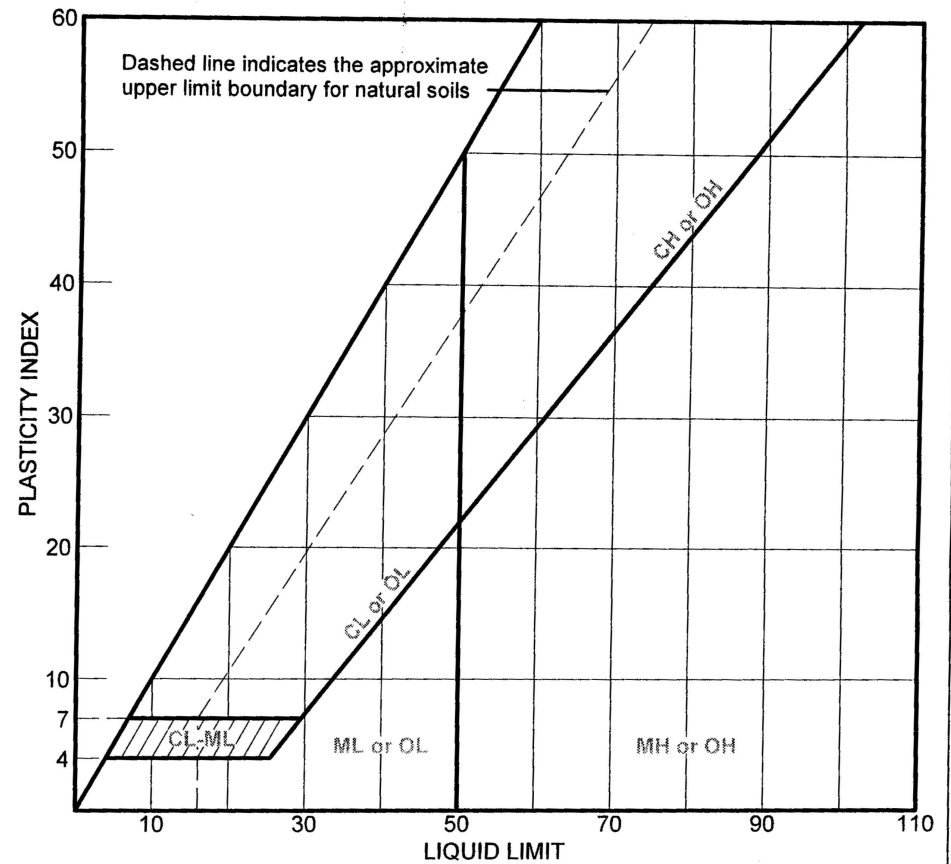
Reviewed by: JRS

Liquid Limit= NV

Plastic Limit= NP

Plasticity Index= NP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-306	6	11.0'	9/12/06	SM	SAND Silty (SM); Red	29.9	NV	NP

Client Bechtel Power Corporation

Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.

Charlotte, North Carolina

• Tested by: FHM Reviewed by: JRS
ASTM D4318-05

JRS
11-14-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-306

Sample No.: 6

Elev. or Depth: 11.0'

Sample Length(in./cm.):

Location:

Description: SAND Silty (SM); Red

Date: 9/12/06

Natural Moisture: 29.9

USCS Class.: SM

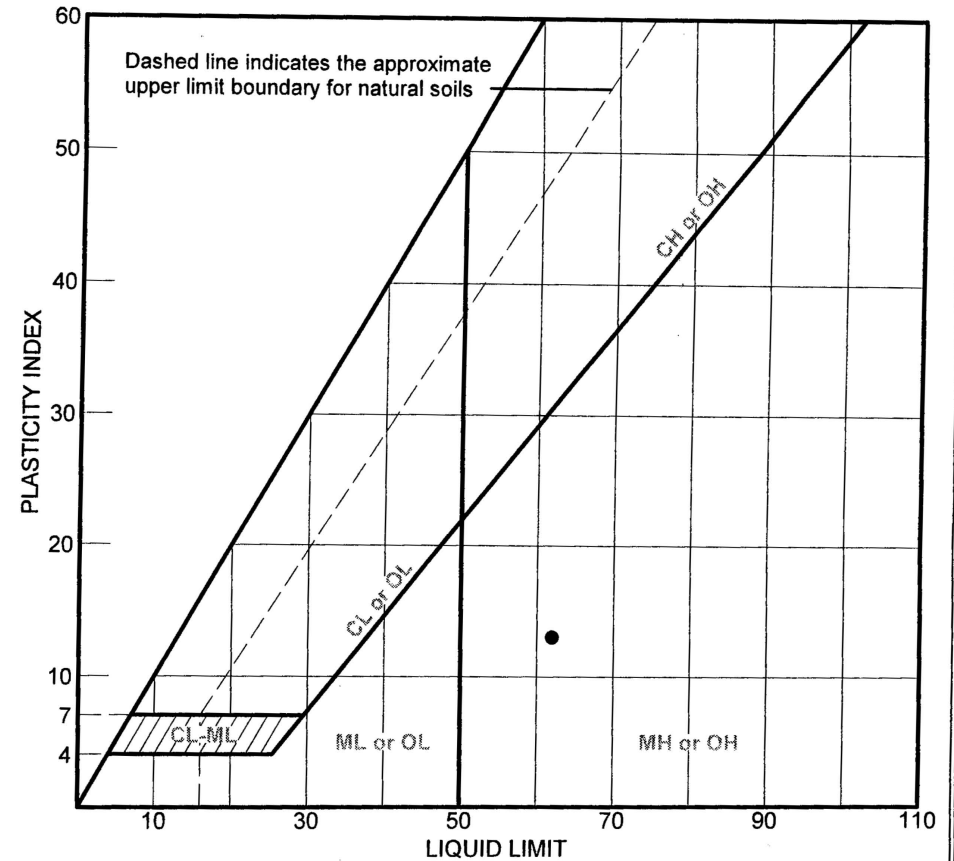
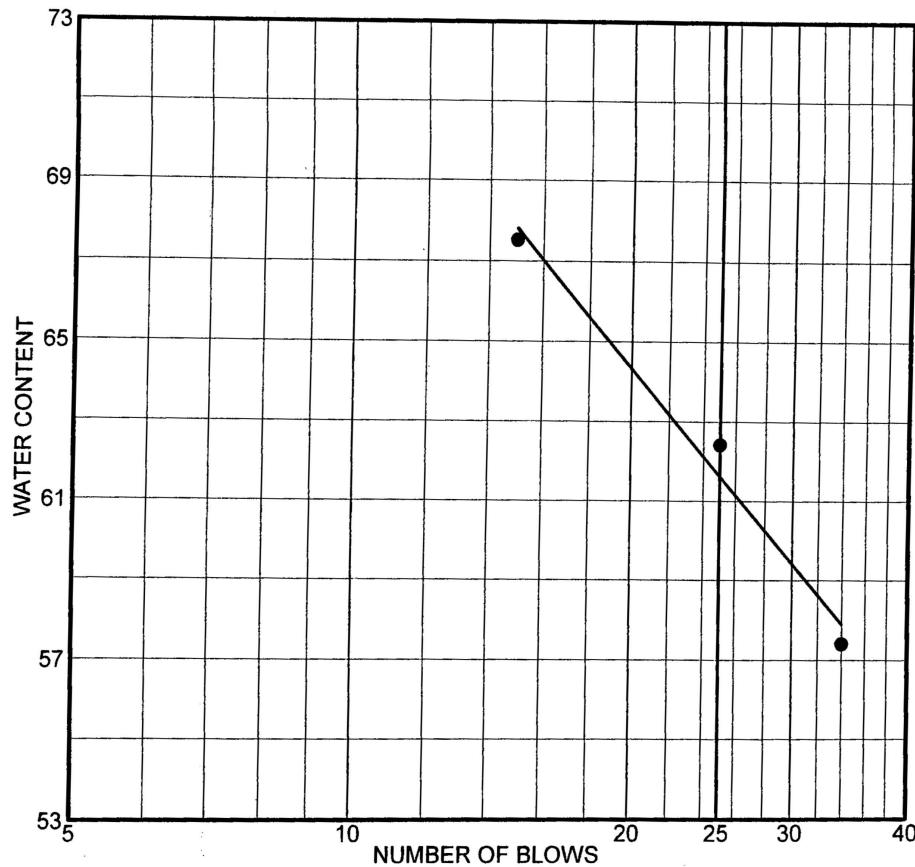
AASHTO Class.:

Testing Remarks: Tested by: FHM
ASTM D4318-05

Reviewed by: JRS

Liquid Limit= NV
Plastic Limit= NP
Plasticity Index= NP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-306	9	23.5'	9/21/06	MH	SILT Clayey with sand (MH); Brownish Yellow	52.1	62	13

Client Bechtel Power Corporation
 Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.
 Charlotte, North Carolina

• Tested by: FHM Reviewed by: JRS
 ASTM D4318-05

JRS
 11-14-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-306

Sample No.: 9

Elev. or Depth: 23.5'

Sample Length(in./cm.):

Location:

Description: SILT Clayey with sand (MH); Brownish Yellow

Date: 9/21/06

Natural Moisture: 52.1

USCS Class.: MH

AASHTO Class.:

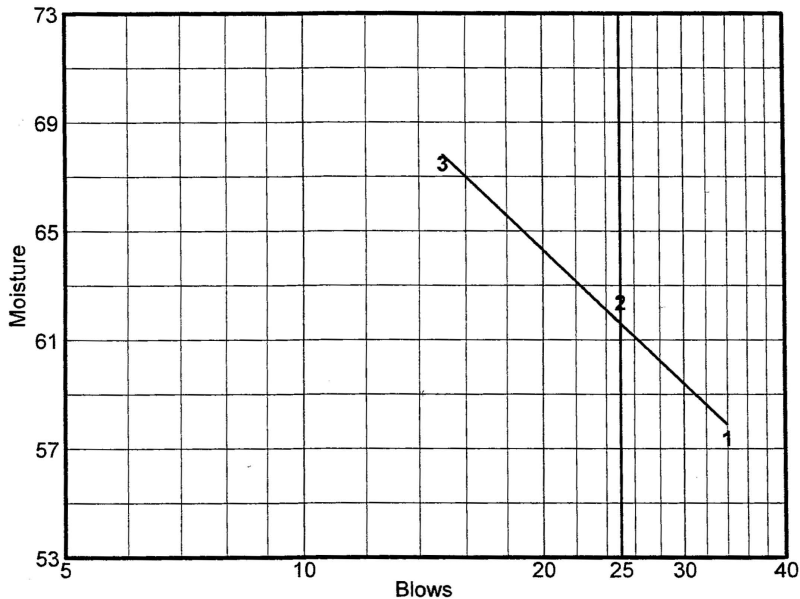
Testing Remarks: Tested by: FHM

Reviewed by: JRS

ASTM D4318-05

Liquid Limit Data

Run No.	1	2	3	4	5	6
Wet+Tare	37.00	26.21	29.97			
Dry+Tare	27.48	20.32	22.29			
Tare	10.89	10.88	10.91			
# Blows	34	25	15			
Moisture	57.4	62.4	67.5			

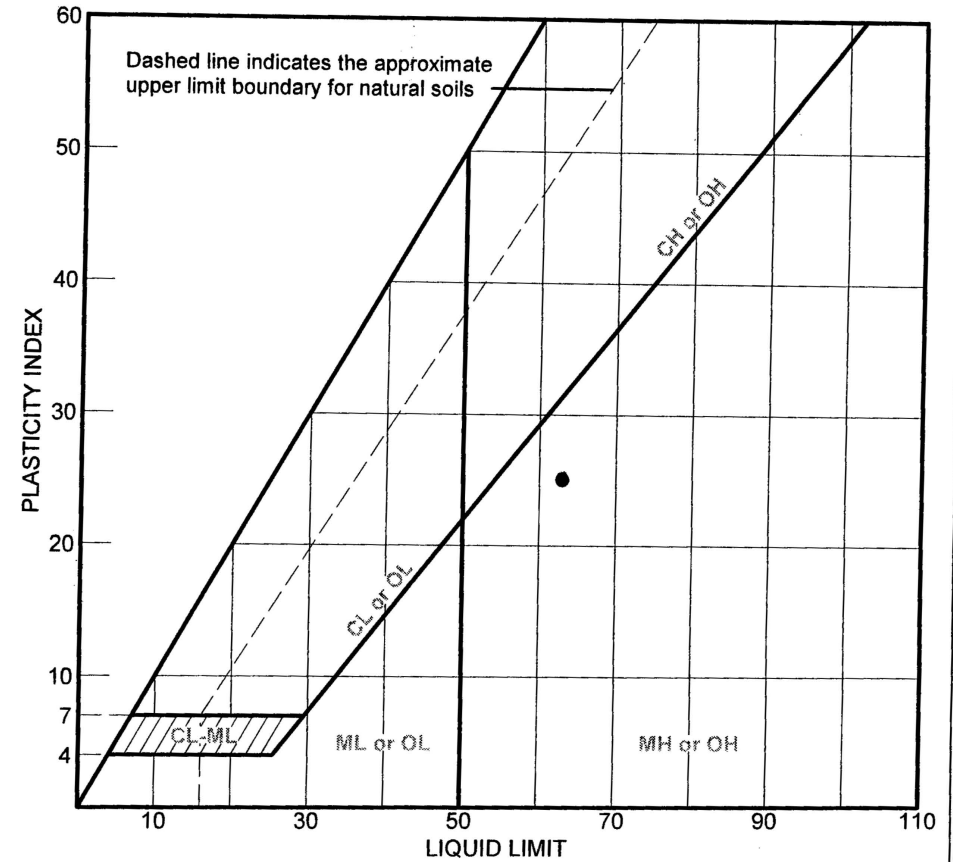
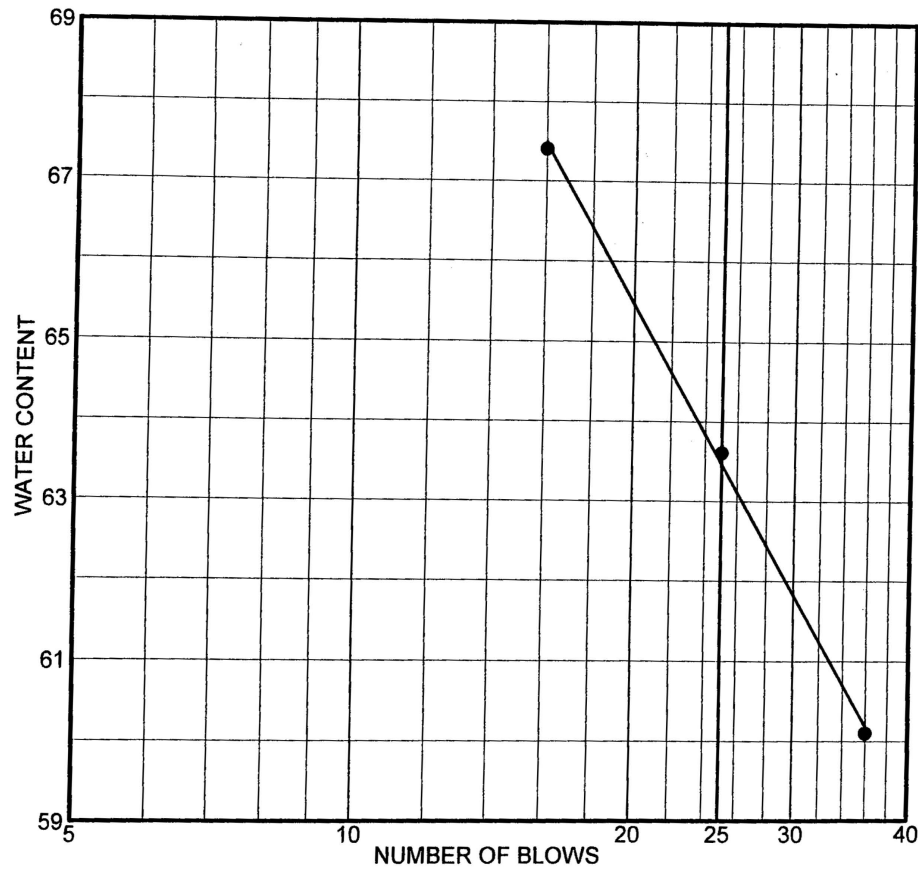


Liquid Limit= 62
 Plastic Limit= 49
 Plasticity Index= 13

Plastic Limit Data

Run No.	1	2	3	4	
Wet+Tare	10.09	10.46			
Dry+Tare	8.13	8.51			
Tare	4.23	4.36			
Moisture	50.3	47.0			

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-307	1	0.0'	9-21-06		SILT Clayey with Sand (MH); Dark Red	34.7	63	25

Client Bechtel Power Corporation

Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.

Charlotte, North Carolina

Tested by: FHM
ASTM D4318-05

Reviewed by: JRS

JRS
11-14-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-307

Sample No.: 1

Elev. or Depth: 0.0'

Sample Length(in./cm.):

Location:

Description: SILT Clayey with Sand (MH); Dark Red

Date: 9-21-06

Natural Moisture: 34.7

USCS Class.:

AASHTO Class.:

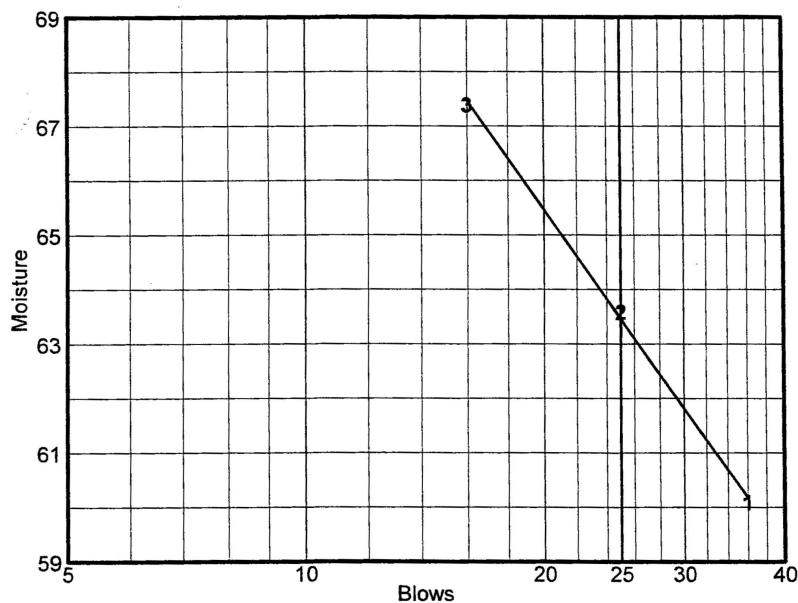
Testing Remarks: Tested by: FHM

Reviewed by: JRS

ASTM D4318-05

Liquid Limit Data

Run No.	1	2	3	4	5	6
Wet+Tare	35.54	36.44	37.55			
Dry+Tare	26.20	26.78	27.11			
Tare	10.66	11.58	11.61			
# Blows	36	25	16			
Moisture	60.1	63.6	67.4			

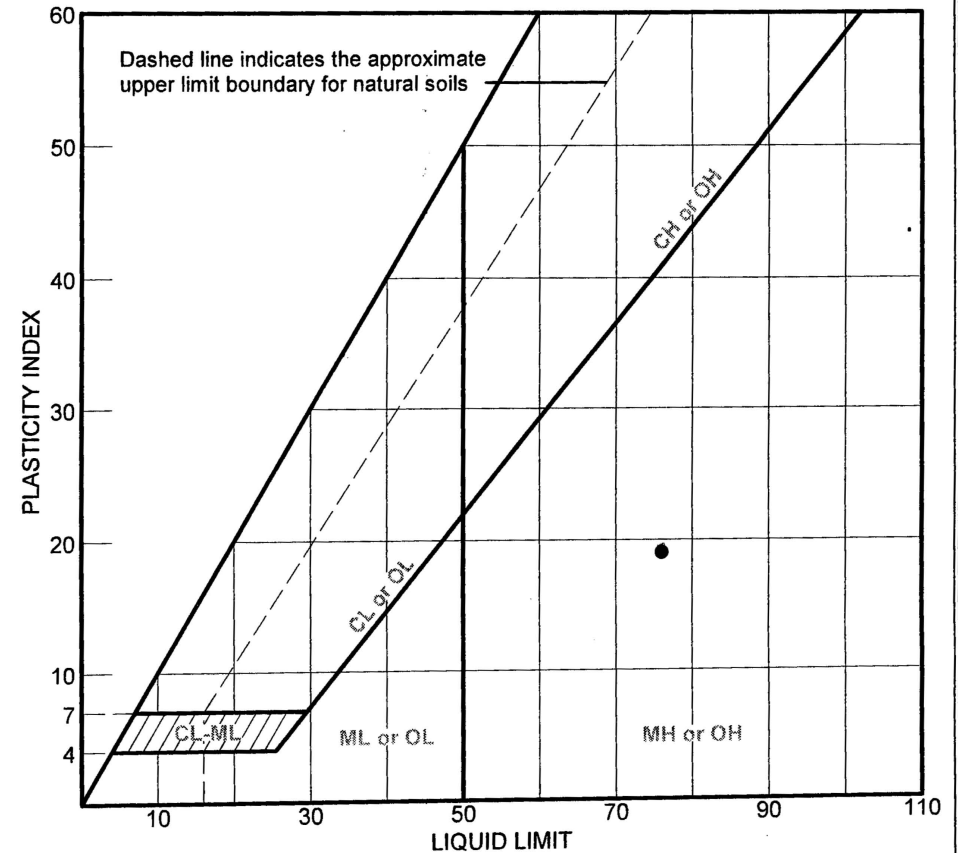
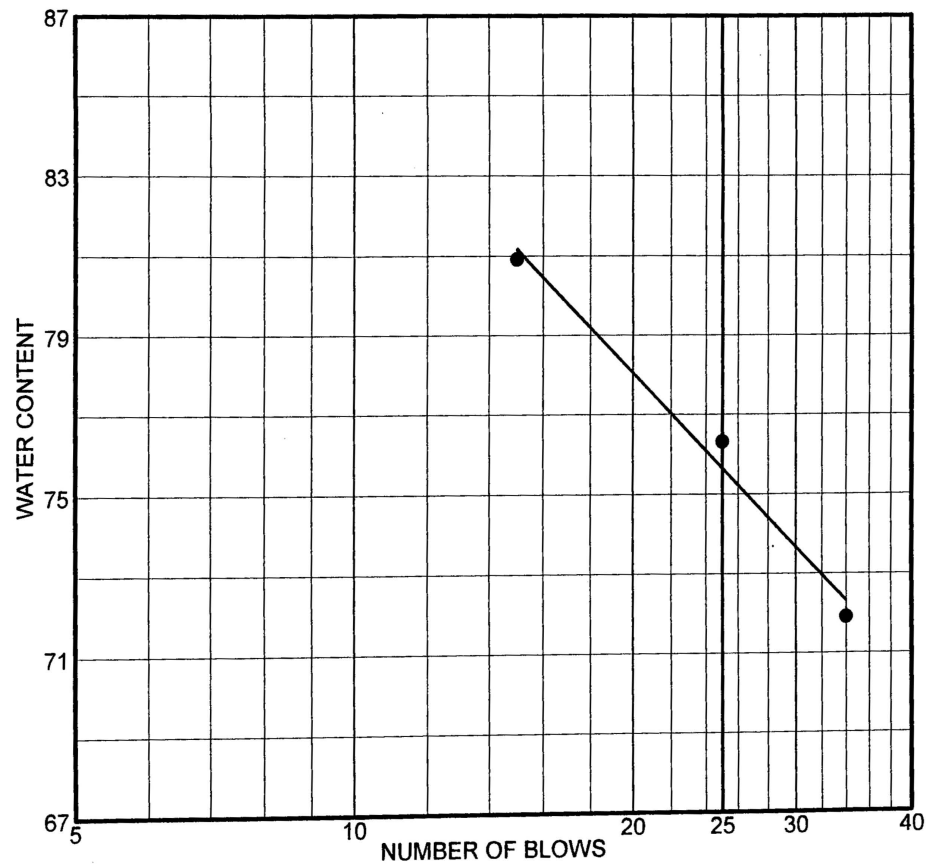


Liquid Limit= 63
Plastic Limit= 38
Plasticity Index= 25

Plastic Limit Data

Run No.	1	2	3	4
Wet+Tare	20.25	20.38		
Dry+Tare	17.90	17.80		
Tare	11.63	11.04		
Moisture	37.5	38.2		

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-307	2	1.5'	09/18/06	MH	SILT Clayey with Sand (MH); Dark Red	29.3	76	19

Client Bechtel Power Corporation

Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.

Charlotte, North Carolina

Tested by: FHM
ASTM D4318-05

Reviewed by: JRS

JRS
11-14-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-307

Sample No.: 2

Elev. or Depth: 1.5'

Sample Length(in./cm.):

Location:

Description: SILT Clayey with Sand (MH); Dark Red

Date: 09/18/06

Natural Moisture: 29.3

USCS Class.: MH

AASHTO Class.:

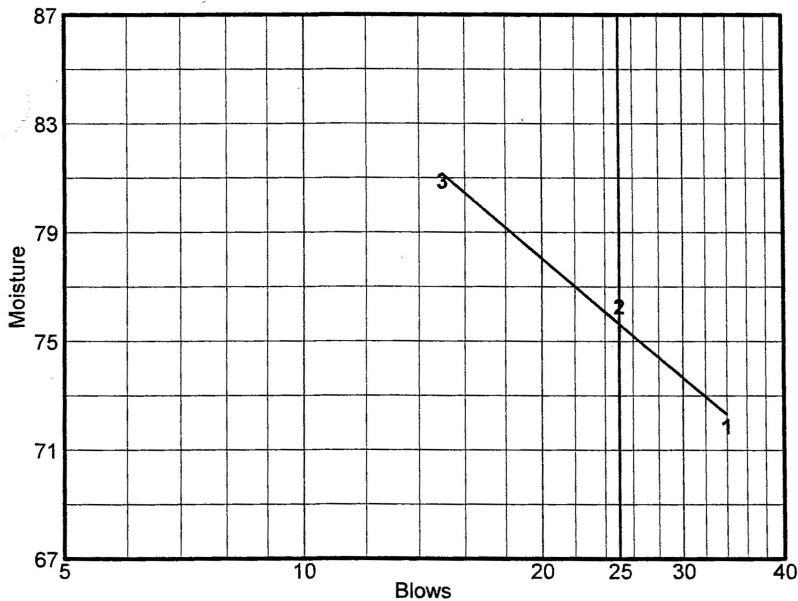
Testing Remarks: Tested by: FHM

Reviewed by: JRS

ASTM D4318-05

Liquid Limit Data

Run No.	1	2	3	4	5	6
Wet+Tare	30.16	34.42	35.46			
Dry+Tare	21.98	24.53	24.51			
Tare	10.61	11.57	10.98			
# Blows	34	25	15			
Moisture	71.9	76.3	80.9			

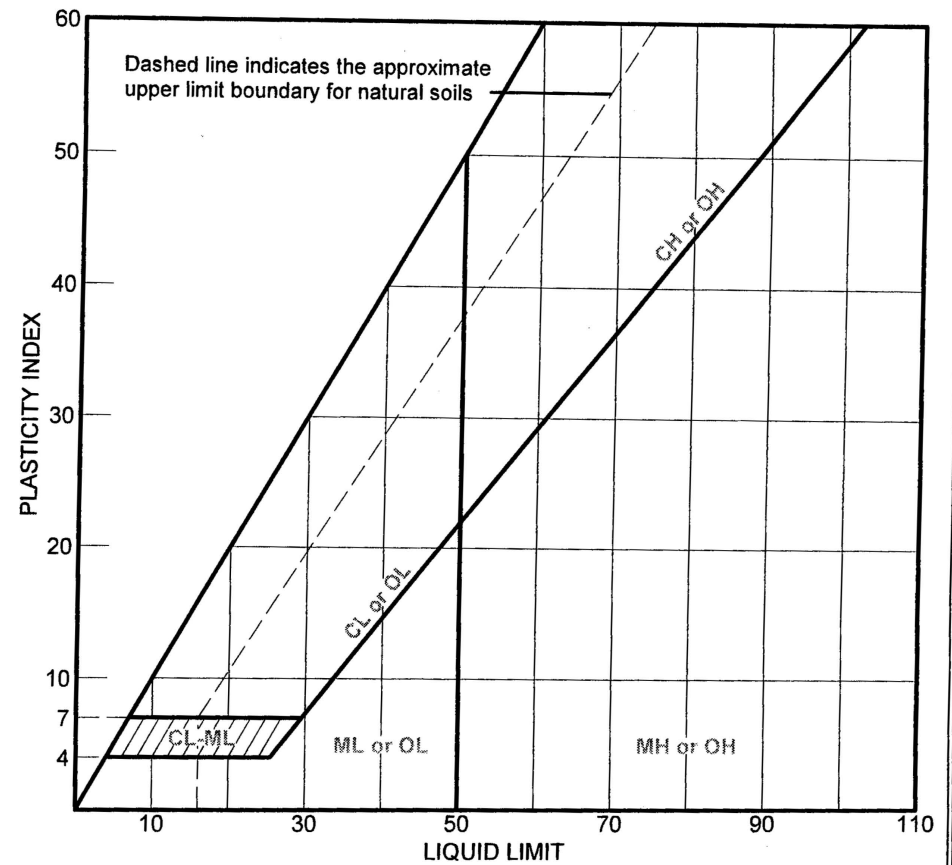


Liquid Limit= 76
Plastic Limit= 57
Plasticity Index= 19

Plastic Limit Data

Run No.	1	2	3	4	
Wet+Tare	11.31	10.76			
Dry+Tare	8.76	8.45			
Tare	4.34	4.30			
Moisture	57.7	55.7			

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-307	7A	16.0'	9-12-06	ML	SILT Sandy (ML); Dark Red, Micaceous	46.5	NV	NP

Client Bechtel Power Corporation
 Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.
 Charlotte, North Carolina

• Tested by: FHM Reviewed by: JRS
 ASTM D4318-05

JRS
 11-14-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-307

Sample No.: 7A

Elev. or Depth: 16.0'

Sample Length(in./cm.):

Location:

Description: SILT Sandy (ML); Dark Red, Micaceous

Date: 9-12-06 **Natural Moisture:** 46.5

USCS Class.: ML

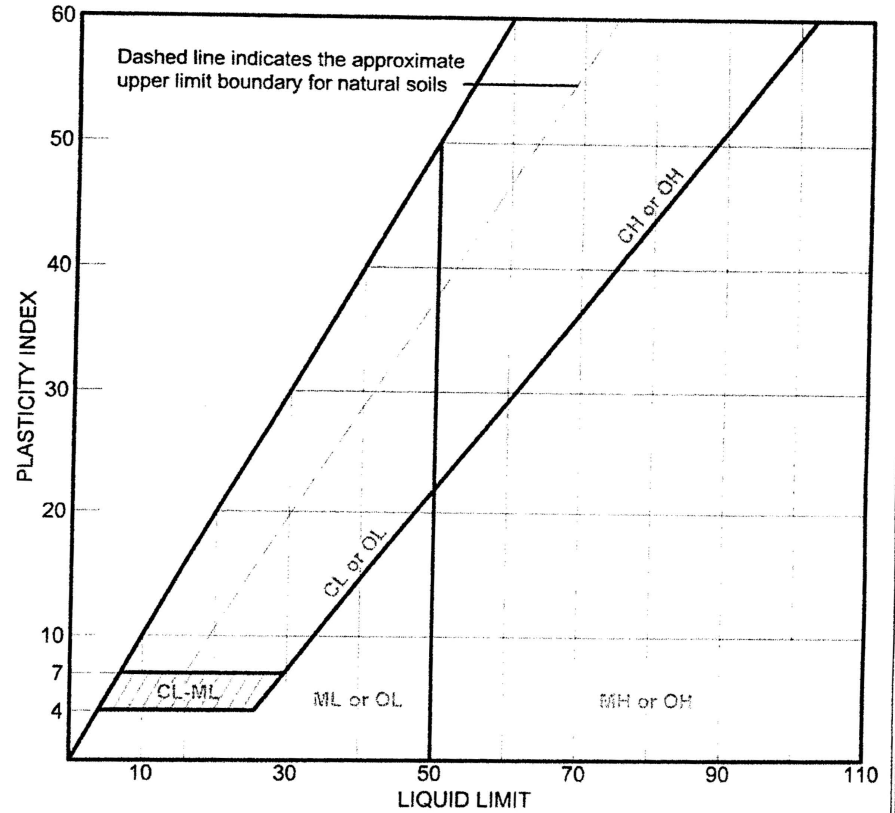
AASHTO Class.:

Testing Remarks: Tested by: FHM
ASTM D4318-05

Reviewed by: JRS

Liquid Limit= NV
Plastic Limit= NP
Plasticity Index= NP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-309	UD-1	8.5 Ft.	11/10/6	SM	Silty sand	N/A	NV	NP

Client
 Project SCE&G COL
 Project No. 6234-06-3534S

**MACTEC ENGINEERING
 AND
 CONSULTING, INC.**

• Tested by: JM Reviewed by: HJ ASTM D 4318-05

JR 11/24/06

LIQUID AND PLASTIC LIMIT TEST DATA

Client:

Project: SCE&G COL

Project Number: 6234-06-3534S

Sample Data

Source: B-309

Sample No.: UD-1

Elev. or Depth: 8.5 Ft.

Sample Length(in./cm.): 5388

Location: B-309

Description: Silty sand

Date: 11/10/6 Natural Moisture: N/A

USCS Class.: SM

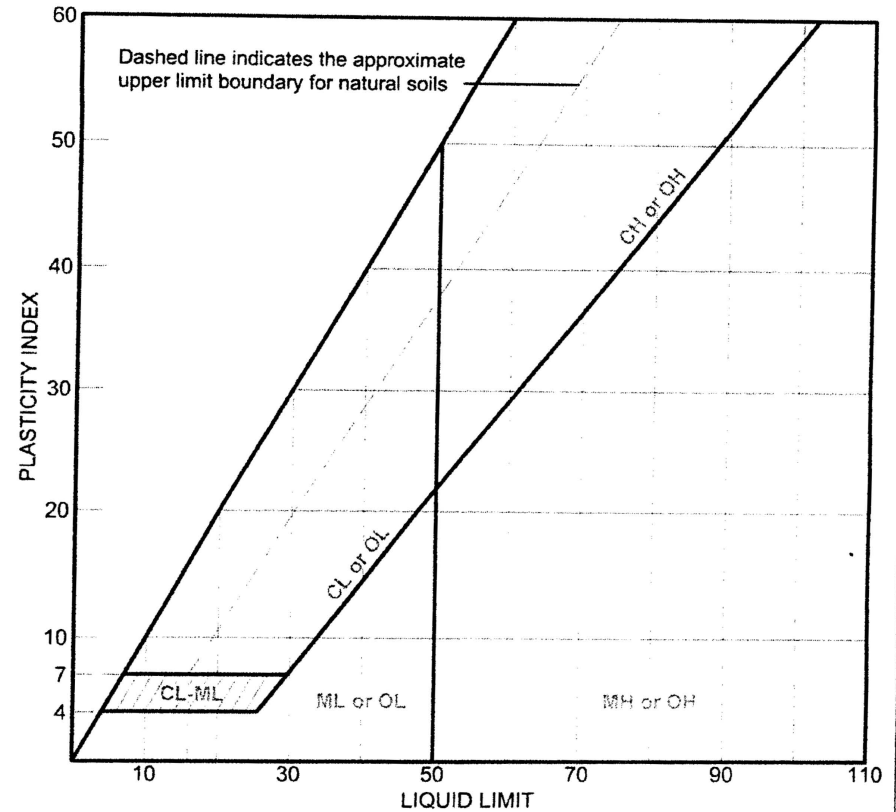
AASHTO Class.: N/A

Testing Remarks: Tested by: JM

Reviewed by: HJ ASTM D 4318-05

Liquid Limit= NV
Plastic Limit= NP
Plasticity Index= NP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-309	UD-3	28.5 Ft.	11/10/6	ML	Silt with sand	N/A	NV	NP

Client
Project SCE&G COL
Project No. 6234-06-3534S

**MACTEC ENGINEERING
AND
CONSULTING, INC.**

• Tested by: JM Reviewed by: HJ
ASTM D 4318-05

JL 11/29/06

LIQUID AND PLASTIC LIMIT TEST DATA

Client:

Project: SCE&G COL

Project Number: 6234-06-3534S

Sample Data

Source: B-309

Sample No.: UD-3

Elev. or Depth: 28.5 Ft.

Sample Length(in./cm.): 5390

Location: B-309

Description: Silt with sand

Date: 11/10/6

Natural Moisture: N/A

USCS Class.: ML

AASHTO Class.: N/A

Testing Remarks: Tested by: JM

Reviewed by: HJ

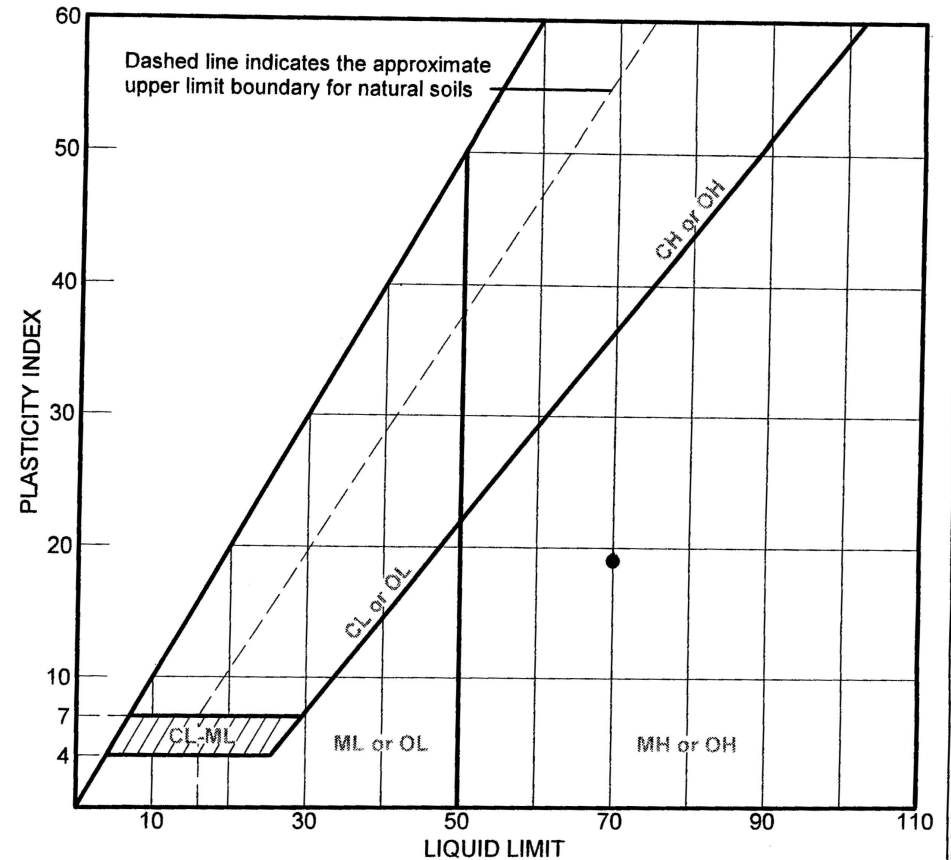
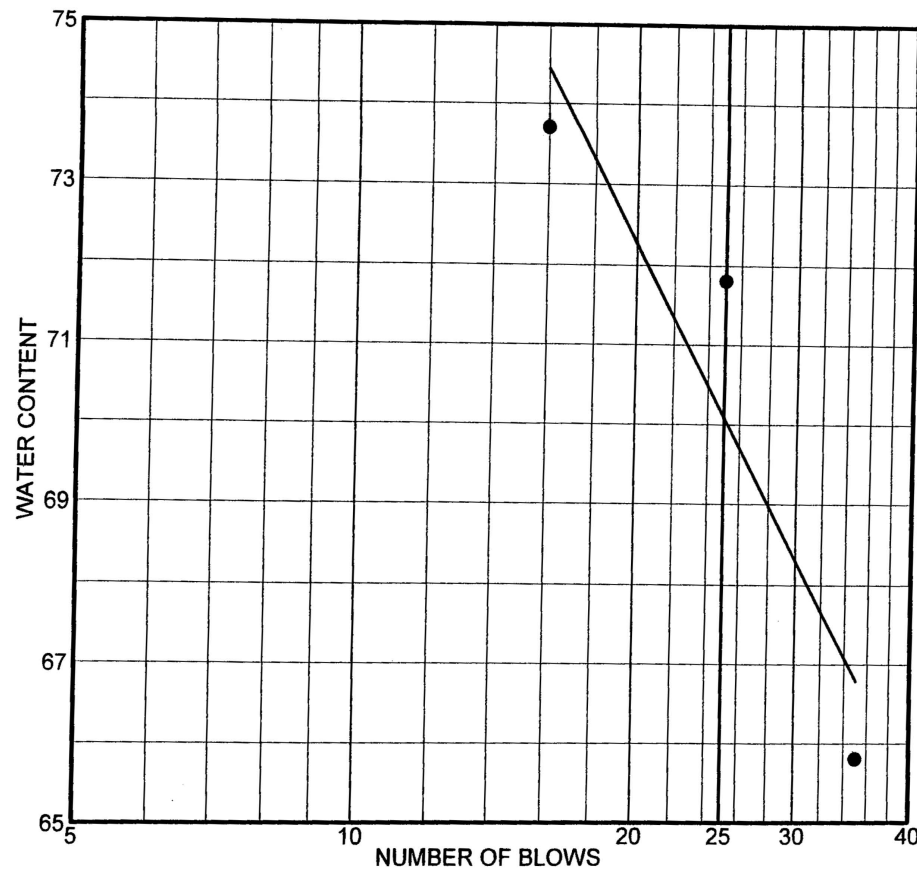
ASTM D 4318-05

Liquid Limit= _____

Plastic Limit= _____ NP

Plasticity Index= _____ NP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-311	1	0.0	9-28-06	MH	SILT Clayey (MH); Red, Micaceous	30.9	70	19

Client Bechtel Power Corporation
Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.
Charlotte, North Carolina

• Tested by: FHM Reviewed by: JRS
ASTM D4318-05

JRS
11-14-06

LIQUID AND PLASTIC LIMIT TEST DATA

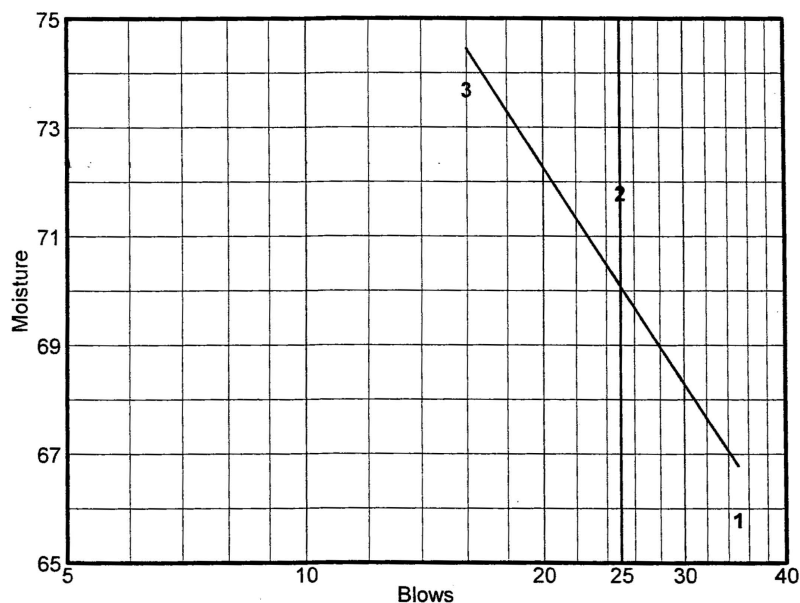
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-311
Sample No.: 1
Elev. or Depth: 0.0 **Sample Length(in./cm.):**
Location:
Description: SILT Clayey (MH); Red, Micaceous
Date: 9-28-06 **Natural Moisture:** 30.9
USCS Class.: MH **AASHTO Class.:**
Testing Remarks: Tested by: FHM Reviewed by: JRS
ASTM D4318-05

Liquid Limit Data

Run No.	1	2	3	4	5	6
Wet+Tare	33.53	31.20	40.92			
Dry+Tare	24.50	22.68	28.21			
Tare	10.78	10.82	10.97			
# Blows	35	25	16			
Moisture	65.8	71.8	73.7			

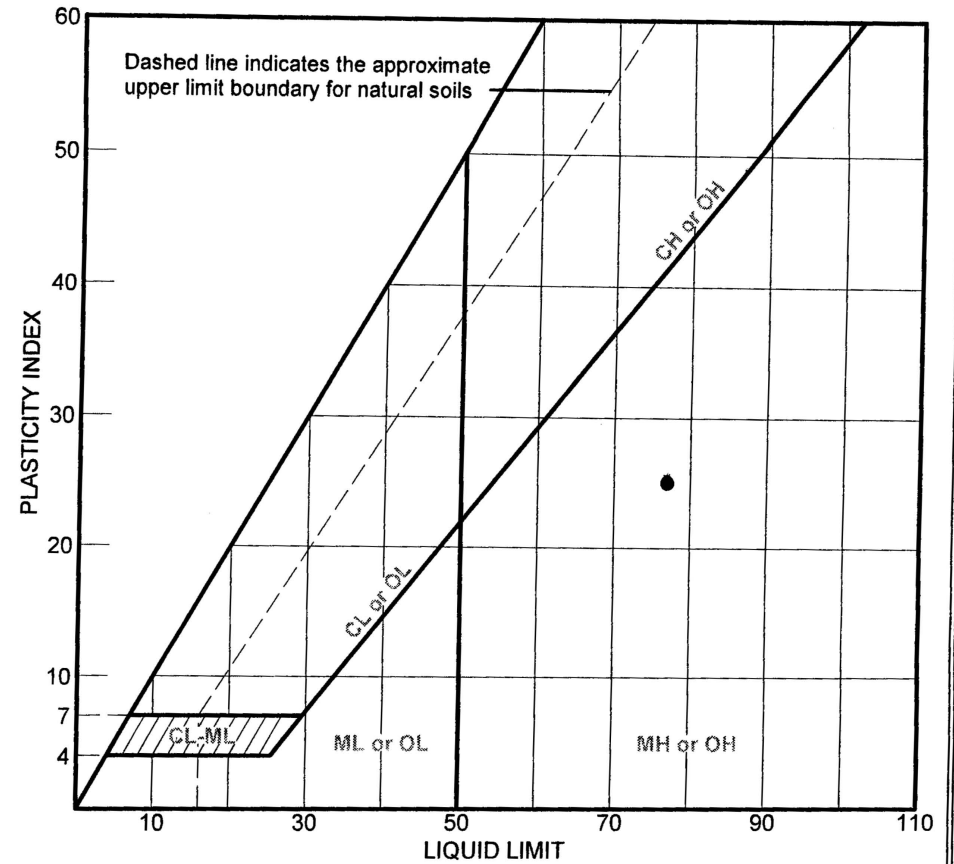
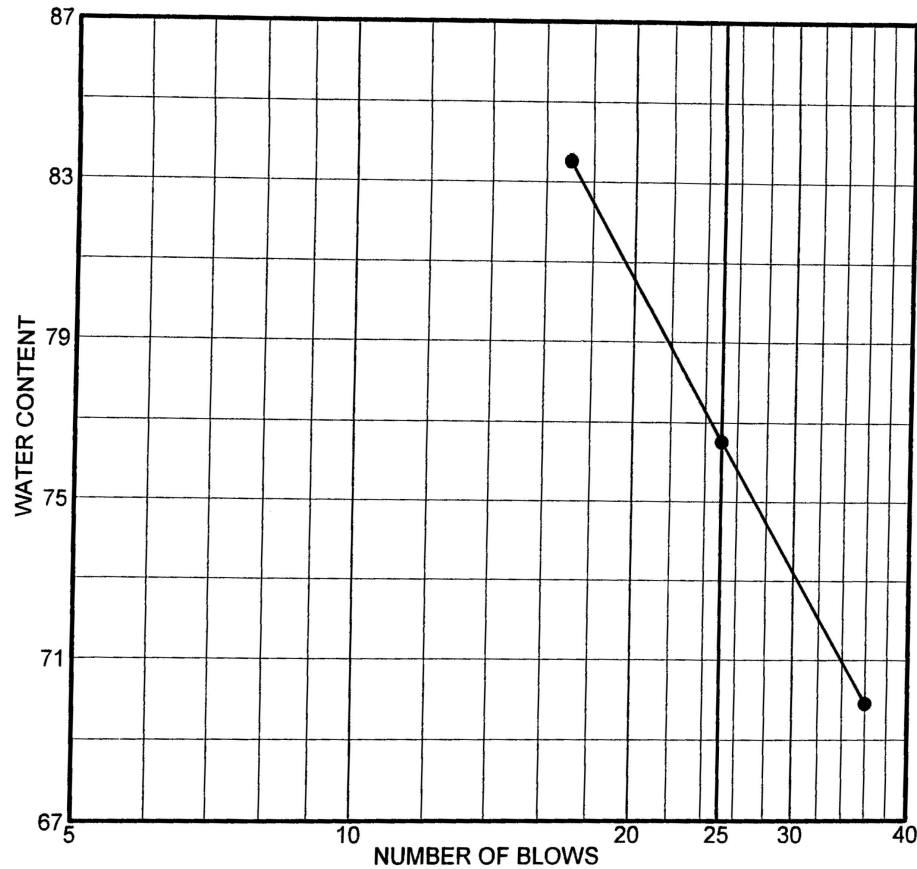


Liquid Limit= 70
 Plastic Limit= 51
 Plasticity Index= 19

Plastic Limit Data

Run No.	1	2	3	4	
Wet+Tare	11.50	11.31			
Dry+Tare	9.10	8.98			
Tare	4.39	4.40			
Moisture	51.0	50.9			

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-311	3	3.5'	09/18/06	MH	SILT Clayey with Sand (MH); Red, Micaceous	30.5	77	25

Client Bechtel Power Corporation
Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.
Charlotte, North Carolina

• Tested by: FHM Reviewed by: JRS
ASTM D4318-05

JRS.
11-14-06

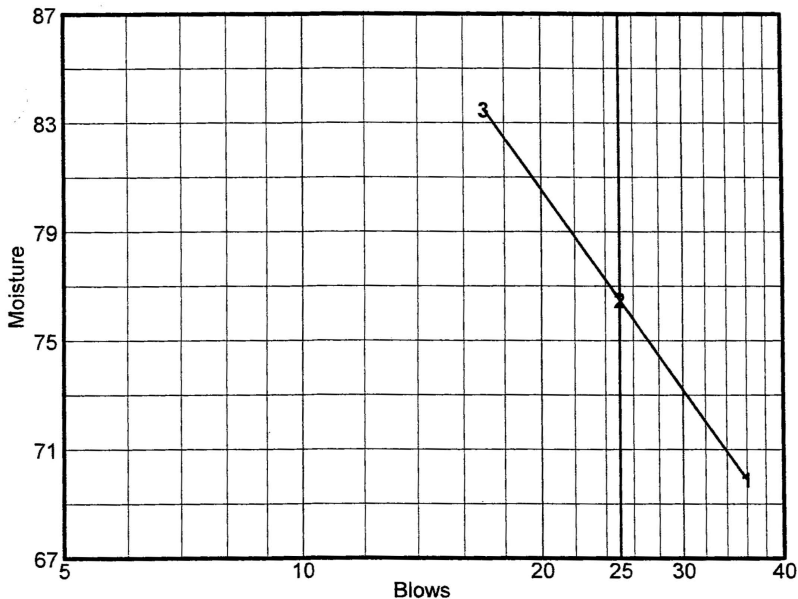
LIQUID AND PLASTIC LIMIT TEST DATA**Client:** Bechtel Power Corporation**Project:** SCE&G COL**Project Number:** 6234-06-3534**Sample Data****Source:** B-311**Sample No.:** 3**Elev. or Depth:** 3.5'**Sample Length(in./cm.):****Location:****Description:** SILT Clayey with Sand (MH); Red, Micaceous**Date:** 09/18/06 **Natural Moisture:** 30.5**USCS Class.:** MH**AASHTO Class.:****Testing Remarks:** Tested by: FHM

Reviewed by: JRS

ASTM D4318-05

Liquid Limit Data

Run No.	1	2	3	4	5	6
Wet+Tare	36.61	38.55	32.14			
Dry+Tare	26.23	26.52	22.49			
Tare	11.39	10.80	10.93			
# Blows	36	25	17			
Moisture	69.9	76.5	83.5			

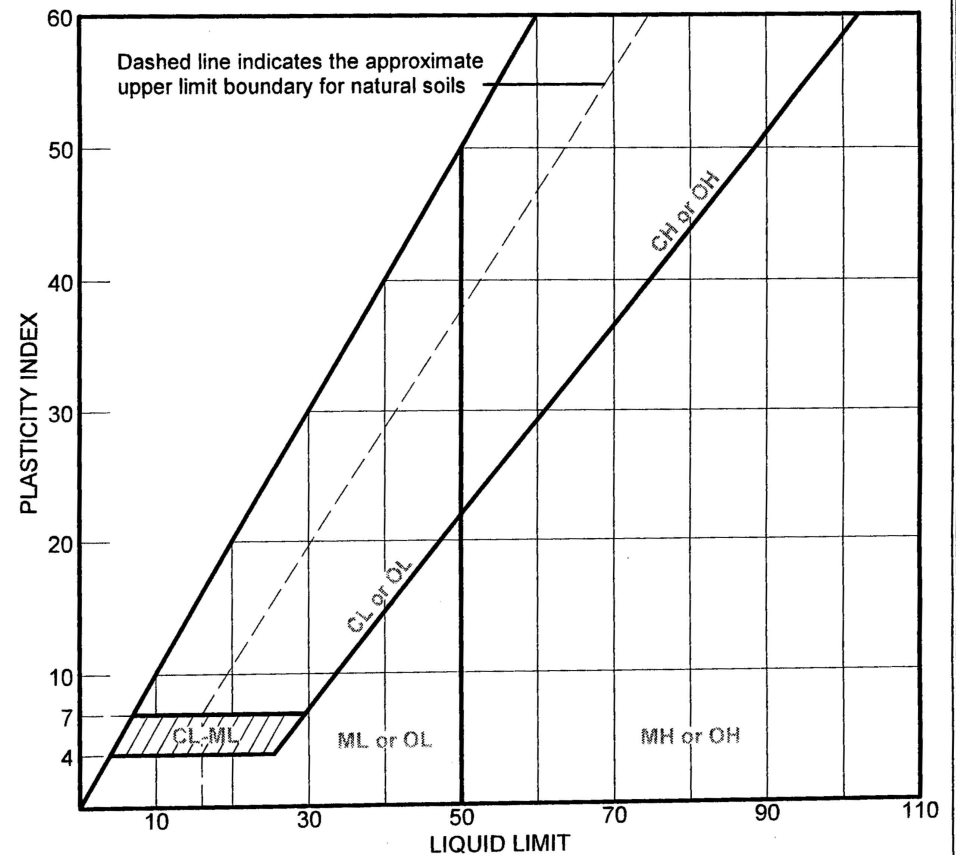


Liquid Limit= 77
Plastic Limit= 52
Plasticity Index= 25

Plastic Limit Data

Run No.	1	2	3	4	
Wet+Tare	18.15	17.28			
Dry+Tare	15.74	15.36			
Tare	11.16	11.68			
Moisture	52.6	52.2			

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-311	5	8.5'	09/18/06	ML	SILT Sandy with Clay (ML); Red, Micaceous	29.1	NV	NP

Client Bechtel Power Corporation	MACTEC, INC. Charlotte, North Carolina	Tested by: FHM ASTM D4318-05 Reviewed by: JRS <i>JRS</i> 11-14-06
Project SCE&G COL		
Project No. 6234-06-3534		
Figure		

LIQUID AND PLASTIC LIMIT TEST DATA

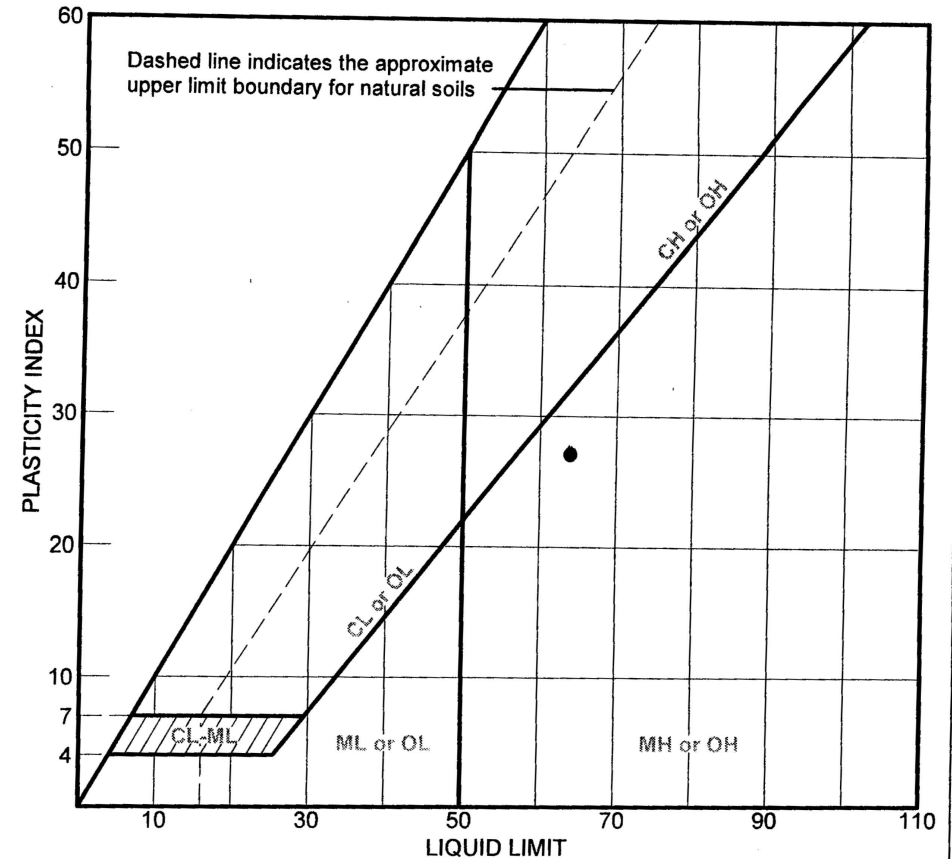
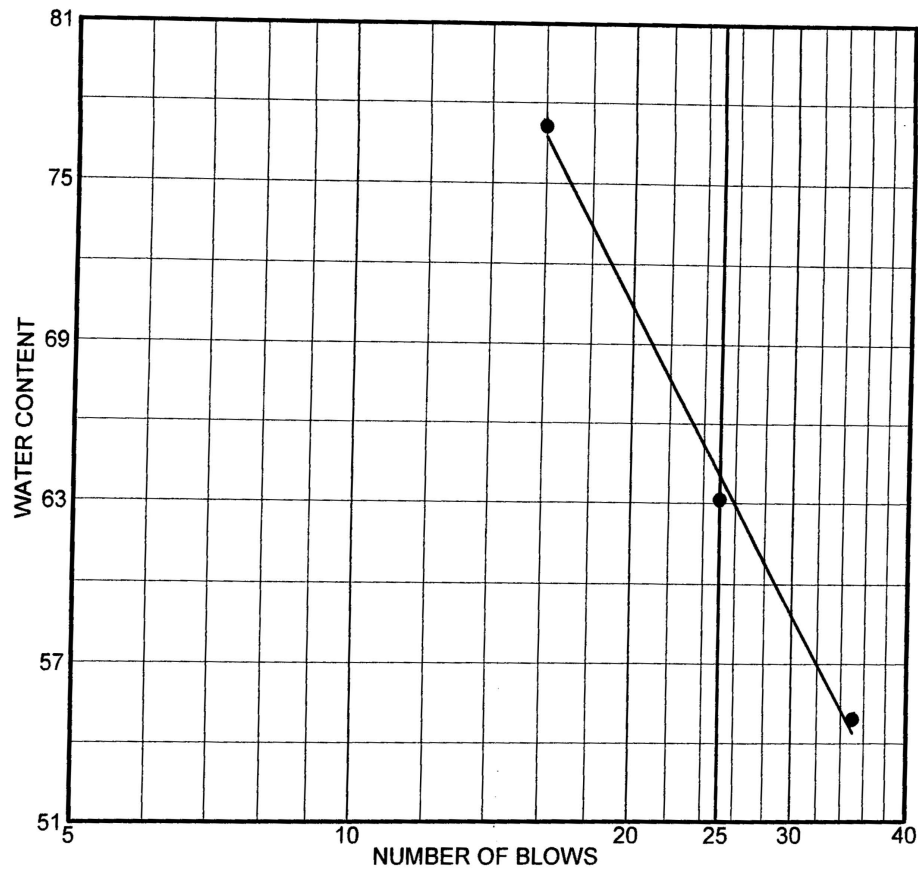
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-311
Sample No.: 5
Elev. or Depth: 8.5' **Sample Length(in./cm.):**
Location:
Description: SILT Sandy with Clay (ML); Red, Micaceous
Date: 09/18/06 **Natural Moisture:** 29.1
USCS Class.: ML **AASHTO Class.:**
Testing Remarks: Tested by: FHM Reviewed by: JRS
ASTM D4318-05

Liquid Limit= NV
Plastic Limit= NP
Plasticity Index= NP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-317	1	0.0			SILT Clayey (MH); Dark Red	28.5	64	27

Client Bechtel Power Corporation
Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.
Charlotte, North Carolina

• Tested by: FHM Reviewed by: JRS
ASTM D4318-05

JRS
11-14-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-317

Sample No.: 1

Elev. or Depth: 0.0

Sample Length(in./cm.):

Location:

Description: SILT Clayey (MH); Dark Red

Date: **Natural Moisture:** 28.5

USCS Class.:

AASHTO Class.:

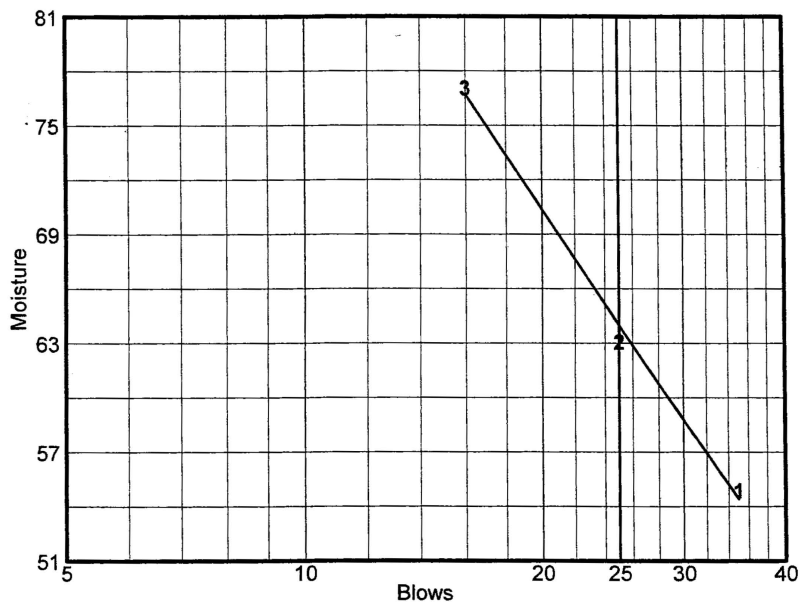
Testing Remarks: Tested by: FHM

Reviewed by: JRS

ASTM D4318-05

Liquid Limit Data

Run No.	1	2	3	4	5	6
Wet+Tare	32.10	31.33	33.84			
Dry+Tare	24.60	23.65	23.82			
Tare	10.95	11.48	10.82			
# Blows	35	25	16			
Moisture	54.9	63.1	77.1			

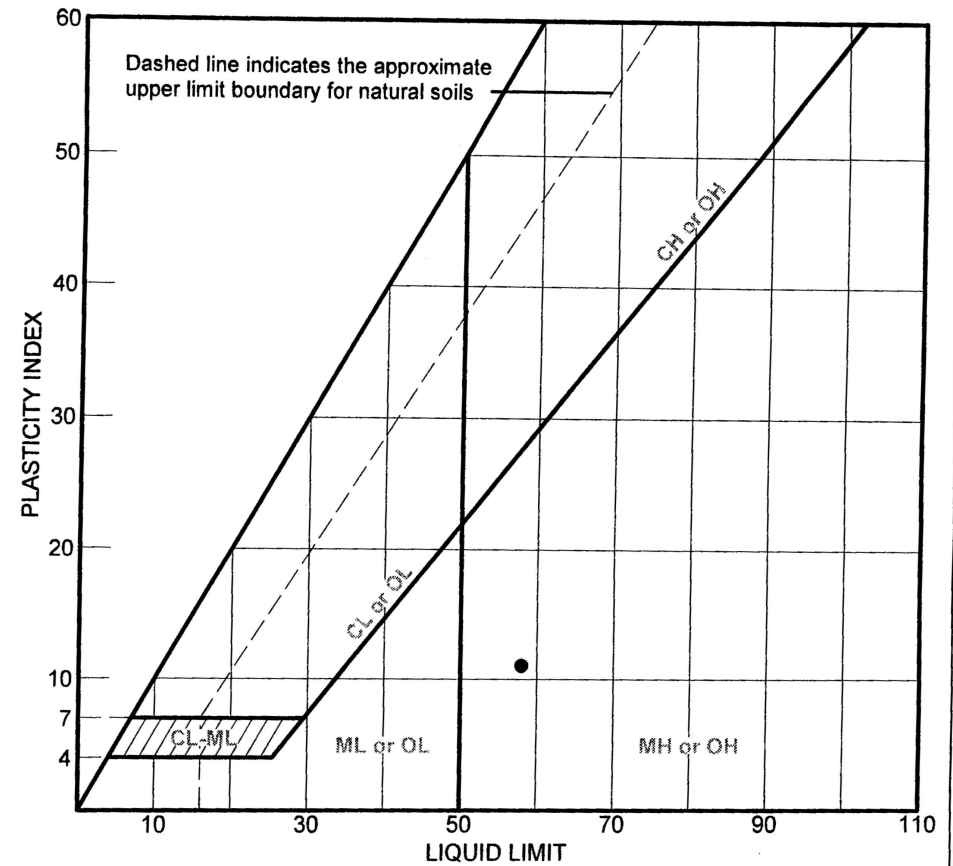
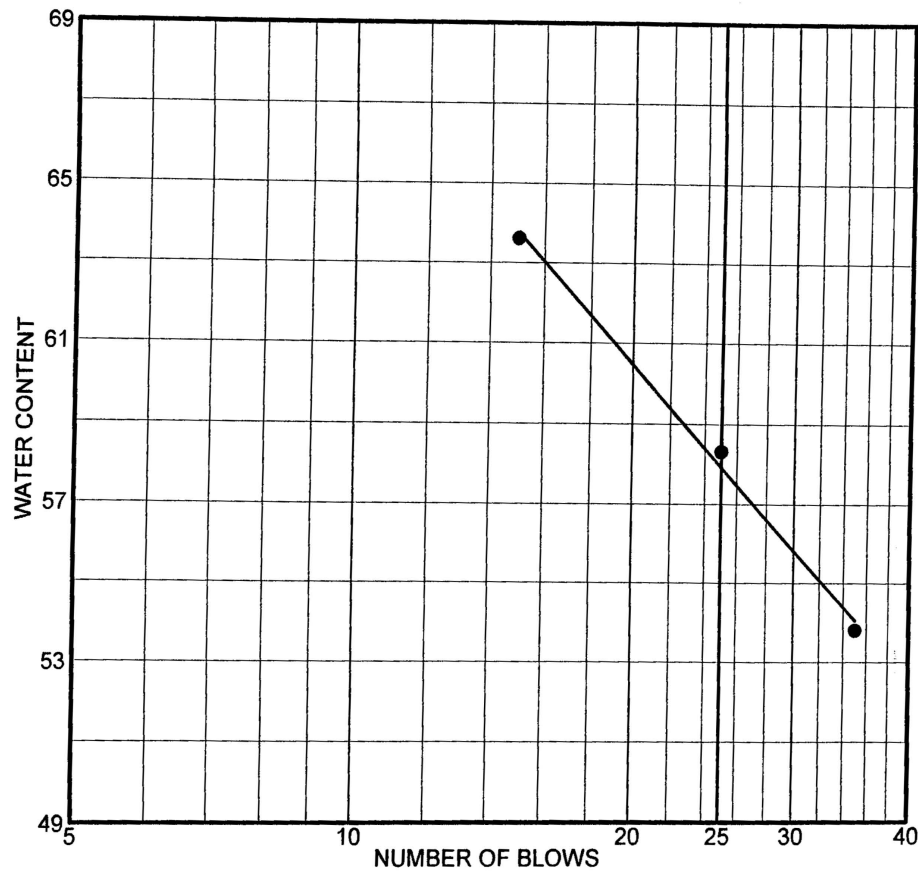


Liquid Limit= 64
 Plastic Limit= 37
 Plasticity Index= 27

Plastic Limit Data

Run No.	1	2	3	4	
Wet+Tare	20.42	20.20			
Dry+Tare	17.82	17.71			
Tare	10.76	11.05			
Moisture	36.8	37.4			

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-317	3	3.5'	9-28-06	MH	SILT Clayey with Sand (MH); Yellowish Red	26.1	58	11

Client Bechtel Power Corporation

Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.

Charlotte, North Carolina

• Tested by: FHM Reviewed by: JRS
ASTM D4318-05

JRS
11-14-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-317

Sample No.: 3

Elev. or Depth: 3.5'

Sample Length(in./cm.):

Location:

Description: SILT Clayey with Sand (MH); Yellowish Red

Date: 9-28-06

Natural Moisture: 26.1

USCS Class.: MH

AASHTO Class.:

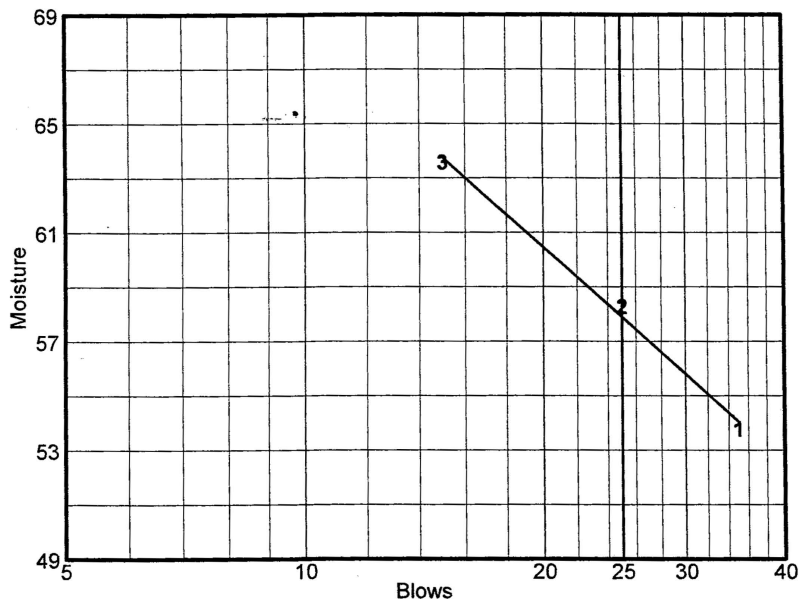
Testing Remarks: Tested by: FHM

Reviewed by: JRS

ASTM D4318-05

Liquid Limit Data

Run No.	1	2	3	4	5	6
Wet+Tare	34.70	32.88	36.21			
Dry+Tare	26.38	24.72	26.60			
Tare	10.92	10.72	11.49			
# Blows	35	25	15			
Moisture	53.8	58.3	63.6			

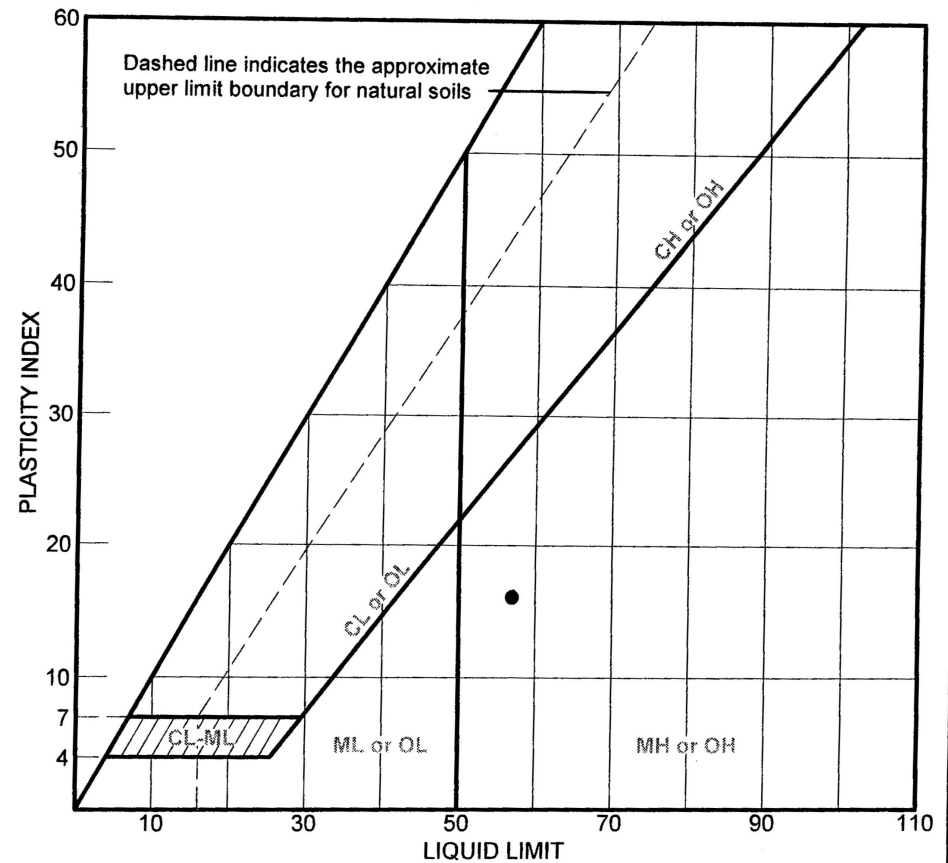
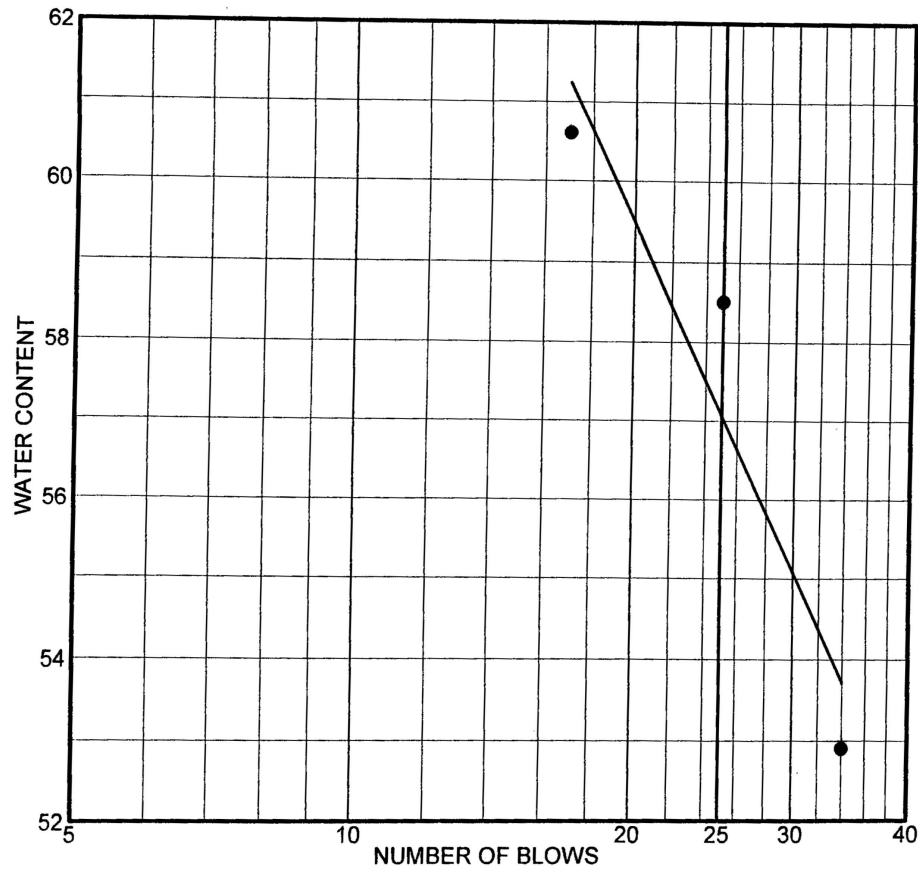


Liquid Limit= 58
 Plastic Limit= 47
 Plasticity Index= 11

Plastic Limit Data

Run No.	1	2	3	4	
Wet+Tare	17.69	18.13			
Dry+Tare	15.56	16.02			
Tare	11.0	11.58			
Moisture	46.7	47.5			

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-317	7	13.5'	9-28-06	MH	SILT Sandy (MH); Red, Yellowish Red, Black, Micaceous	33.2	57	16

Client Bechtel Power Corporation

Project SCE&G COL

Project No. 6234-06-3534

Figure

MACTEC, INC.

Charlotte, North Carolina

• Tested by: FHM
ASTM D4318-05

Reviewed by: JRS

JRS
11-14-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-317

Sample No.: 7

Elev. or Depth: 13.5'

Sample Length(in./cm.):

Location:

Description: SILT Sandy (MH); Red, Yellowish Red, Black, Micaceous

Date: 9-28-06

Natural Moisture: 33.2

USCS Class.: MH

AASHTO Class.:

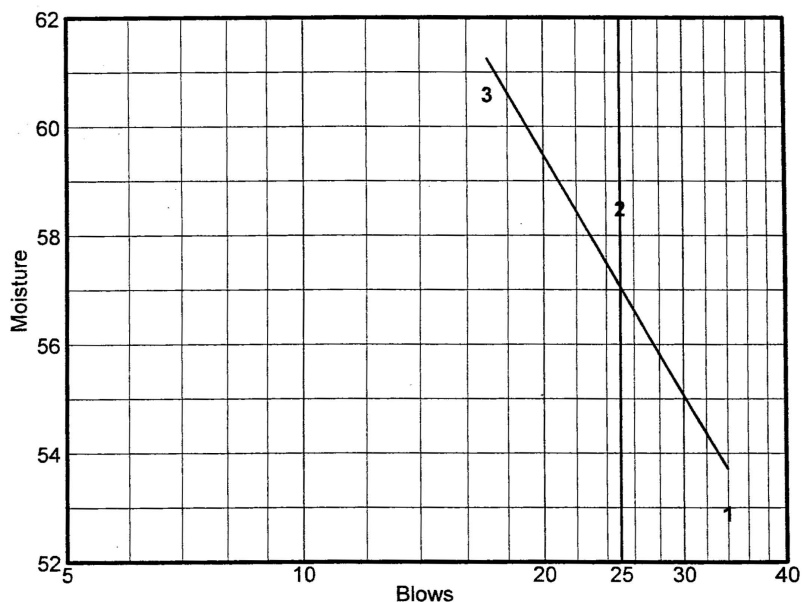
Testing Remarks: Tested by: FHM

Reviewed by: JRS

ASTM D4318-05

Liquid Limit Data

Run No.	1	2	3	4	5	6
Wet+Tare	35.13	34.37	34.03			
Dry+Tare	26.74	25.76	25.36			
Tare	10.87	11.04	11.05			
# Blows	34	25	17			
Moisture	52.9	58.5	60.6			

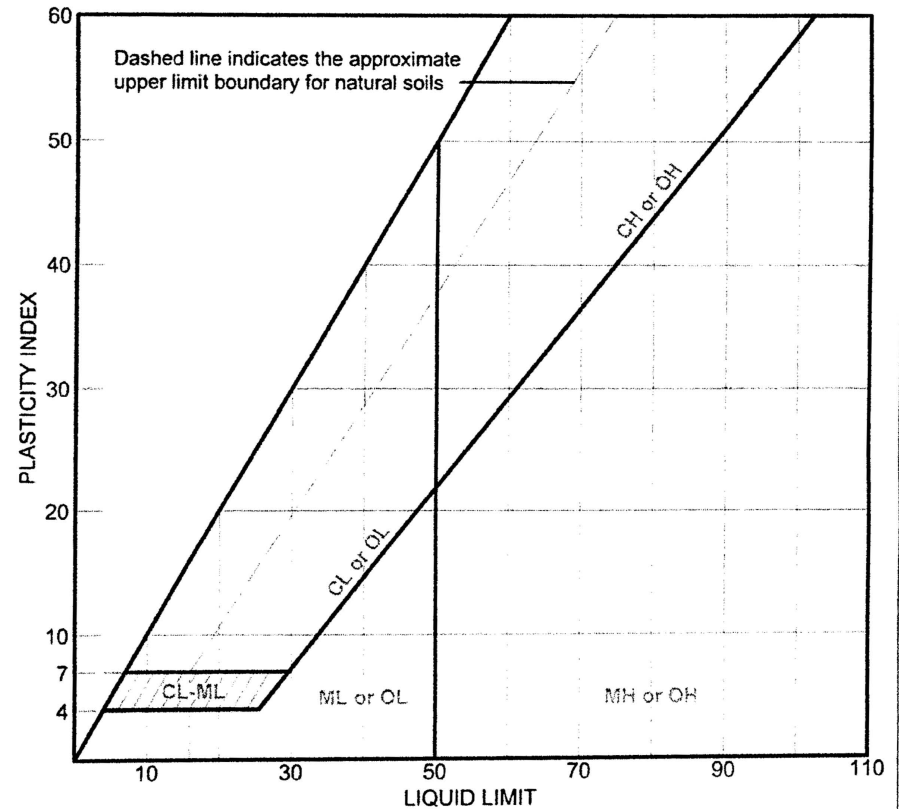


Liquid Limit= 57
Plastic Limit= 41
Plasticity Index= 16

Plastic Limit Data

Run No.	1	2	3	4	
Wet+Tare	20.63	20.53			
Dry+Tare	17.98	17.73			
Tare	11.38	10.91			
Moisture	40.2	41.1			

LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-319	UD-3	28.5 Ft.	10/9/06	N/A		N/A	NV	NP

Client
Project SCE&G COL
Project No. 6234-06-3534S

**MACTEC ENGINEERING
AND
CONSULTING, INC.**

• Tested by: JM Reviewed by: HJ
ASTM D 4318-05

JR 11/21/06

LIQUID AND PLASTIC LIMIT TEST DATA

Client:

Project: SCE&G COL

Project Number: 6234-06-3534S

Sample Data

Source: B-319

Sample No.: UD-3

Elev. or Depth: 28.5 Ft.

Sample Length(in./cm.): 5394

Location: B-319

Description:

Date: 10/9/06

Natural Moisture: N/A

USCS Class.: N/A

AASHTO Class.: N/A

Testing Remarks: Tested by: JM

Reviewed by: HJ

ASTM D 4318-05

Liquid Limit= _____

Plastic Limit= _____ NP

Plasticity Index= _____ NP