

Liquid Limit, Plastic Limit, and Plasticity Index of Soils (ASTM D4318)



Project: Youd

Number: M-00399-003

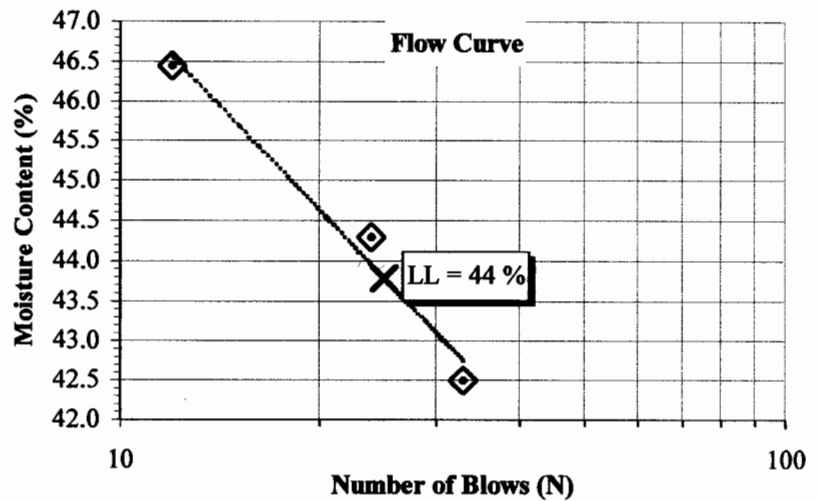
Sample: WLA D-1

Depth: 2.5-4

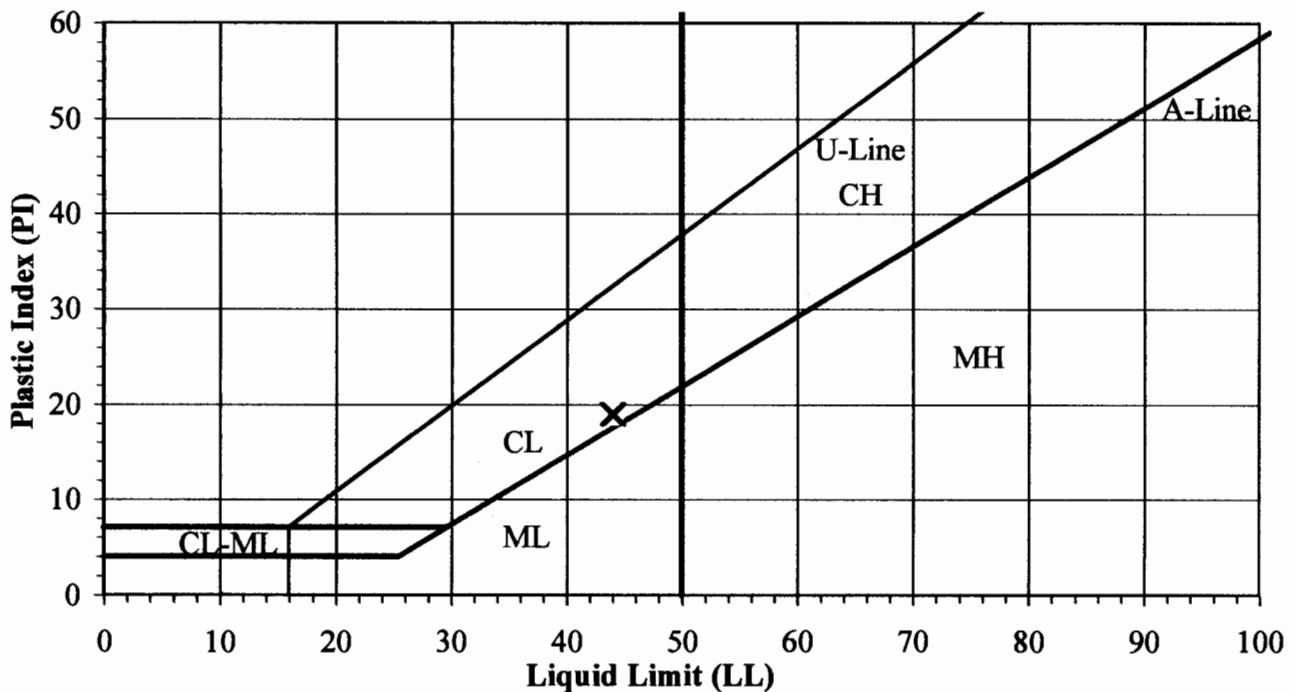
Liquid Limit (%)	44
Plastic Limit (%)	25
Plastic Index (%)	19
Identification	CL

Method: Multipoint

Sample preparation: Air dried



PL Results (%)	24.7	24.8	
Number of blows (N)	33	24	12
LL Results (%)	42.5	44.3	46.4



Comments:

Tested by: BPP

Reviewed: ZR

ATTERBERG LIMITS TEST DATA

ASTM D4318

FIELD CLASSIFICATION

LABORATORY CLASSIFICATION

ICES

JOB NO.

CLIENT/OWNER Youd

LOCATION

BORING WLA D-1 SAMPLE

DEPTH 25-4

FIELD DENSITY BY 1 / 1

DETERMINATION	1	2
NUMBER OF RINGS		
WT OF RINGS + WET SOIL		
WT OF RINGS		
WT OF WET SOIL		
FIELD DENSITY		
DRY DENSITY		

THIS IS A 1/8-INCH THREAD

DETERMINATION	1	2
DISH		
WT OF DISH + WET SOIL		
WT OF DISH + DRY SOIL		
WT OF MOISTURE		
WT OF DISH		
WT OF DRY SOIL		
FIELD MOIST. CONTENT		

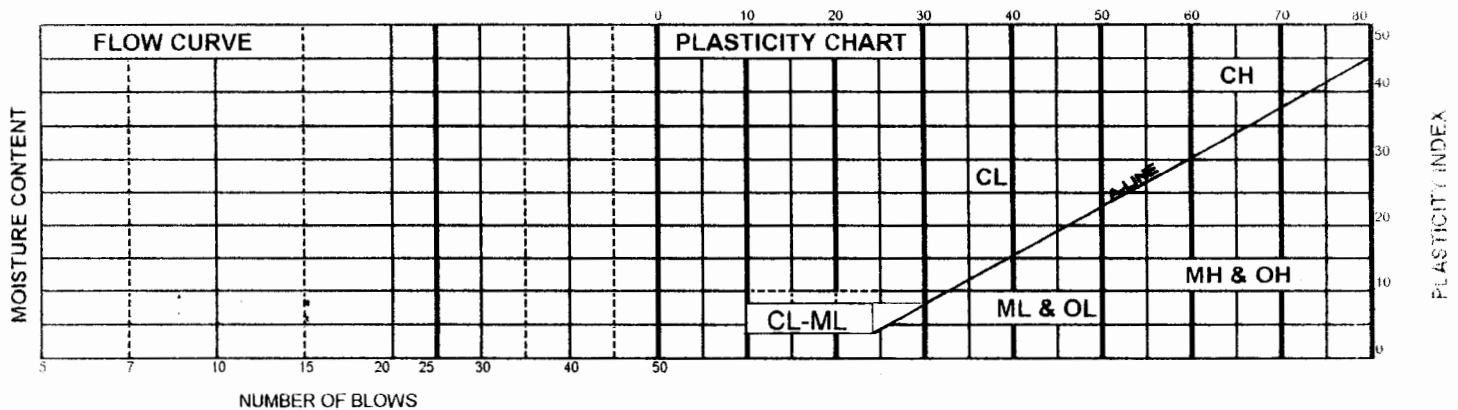
PLASTIC LIMIT BY BRP 2.5.04

DETERMINATION	1	2	3	4	5	6
DISH	<u>9</u>	<u>44</u>				
WT OF DISH + WET SOIL	<u>8.81</u>	<u>5.43</u>				
WT OF DISH + DRY SOIL	<u>7.34</u>	<u>1.63</u>				
WT OF MOISTURE						
WT OF DISH	<u>1.40</u>	<u>1.40</u>				
WT OF DRY SOIL						
MOISTURE CONTENT						

LIQUID LIMIT

DETERMINATION	1	2	3	4	5	6
DISH	<u>76</u>	<u>31</u>	<u>41</u>			
NUMBER OF BLOWS	<u>33</u>	<u>24</u>	<u>12</u>			
WT OF DISH + WET SOIL	<u>10.98</u>	<u>8.85</u>	<u>10.44</u>			
WT OF DISH + DRY SOIL	<u>8.12</u>	<u>6.56</u>	<u>7.57</u>			
WT OF MOISTURE						
WT OF DISH	<u>1.39</u>	<u>1.39</u>	<u>1.39</u>			
WT OF DRY SOIL						
MOISTURE CONTENT						

LIQUID LIMIT



SUMMARY

DRY DENSITY	MOISTURE CONTENT	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	IDENTIFICATION

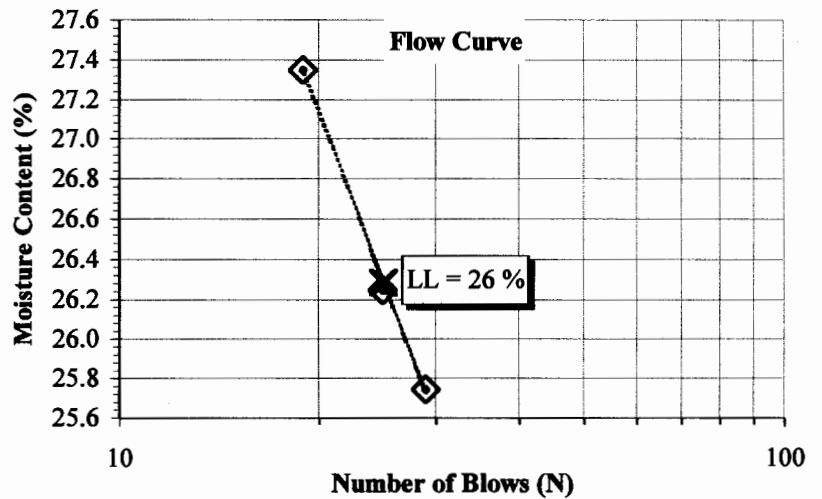
Liquid Limit, Plastic Limit, and Plasticity Index of Soils (ASTM D4318)



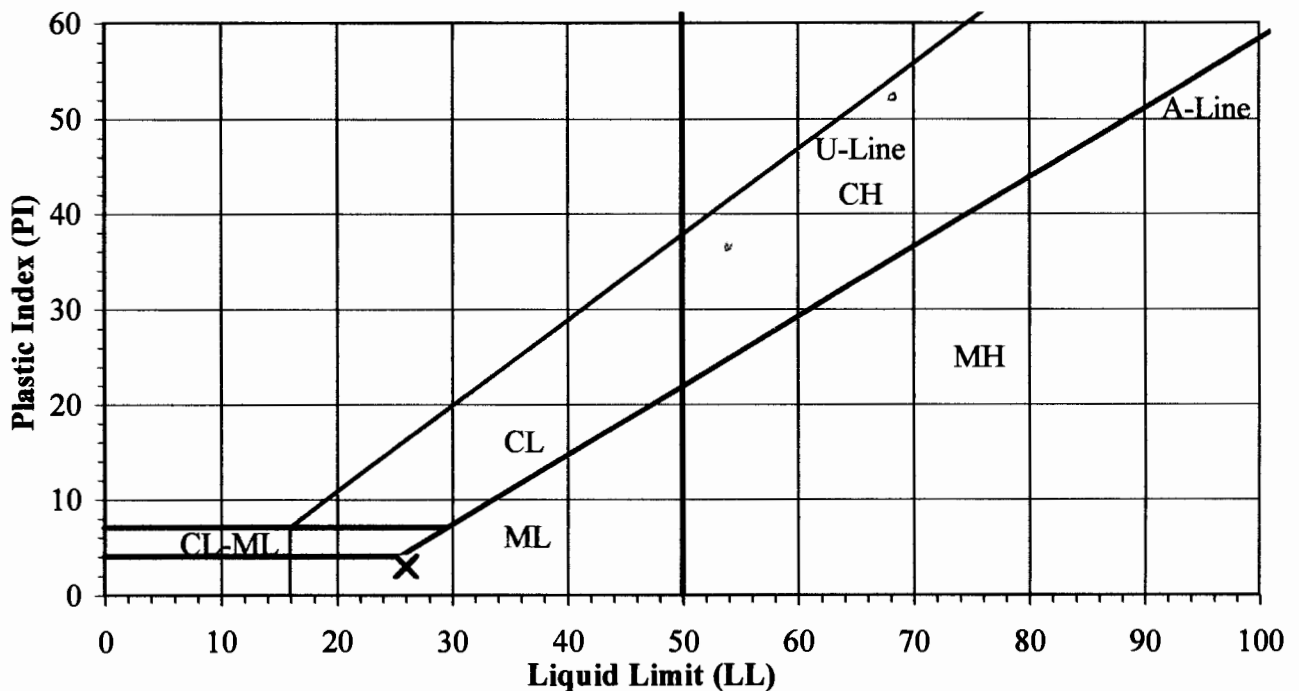
Project: Youd
 Number: M-00399-003
 Sample: WLA D-2
 Depth: 5-7.5

Liquid Limit (%)	26
Plastic Limit (%)	23
Plastic Index (%)	3
Identification	ML

Method: Multipoint
 Sample preparation: Air dried



PL Results (%)	22.7	22.6	
Number of blows (N)	29	25	19
LL Results (%)	25.7	26.2	27.3



Comments:

Tested by: BPP
 Reviewed: RR

ATTERBERG LIMITS TEST DATA

ASTM D4318

ICES

JOB NO.

CLIENT/OWNER

LOCATION

BORING WLADZ SAMPLE

DEPTH 5-7.5

FIELD DENSITY BY

/ /

DETERMINATION	1	2
NUMBER OF RINGS		
WT OF RINGS + WET SOIL		
WT OF RINGS		
WT OF WET SOIL		
FIELD DENSITY		
DRY DENSITY		

THIS IS A 1/8-INCH THREAD

DETERMINATION	1	2
DISH		
WT OF DISH + WET SOIL		
WT OF DISH + DRY SOIL		
WT OF MOISTURE		
WT OF DISH		
WT OF DRY SOIL		
FIELD MOIST. CONTENT		

PLASTIC LIMIT BY

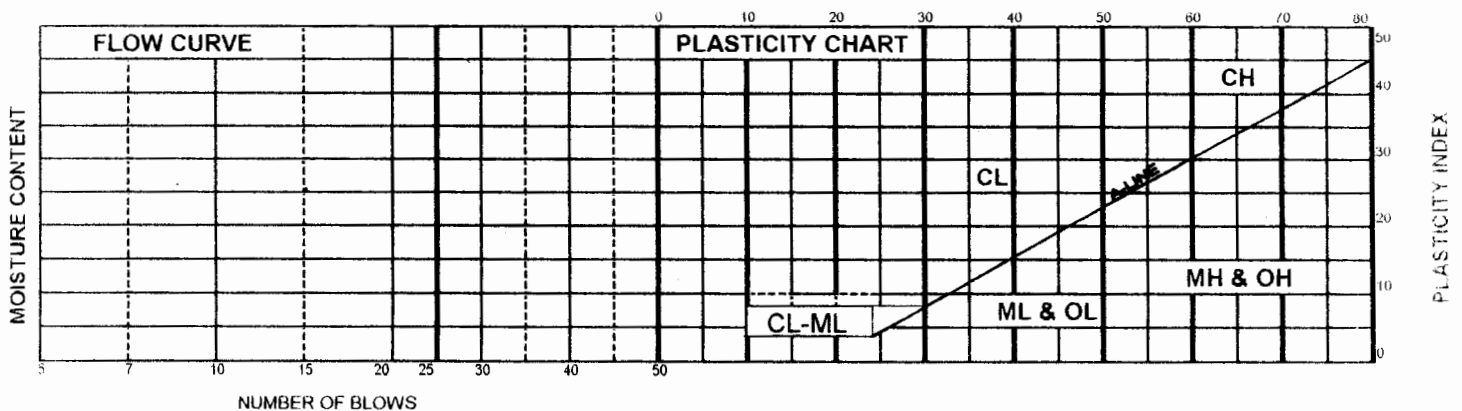
DKR 2.5.04

DETERMINATION	1	2	3	4	5	6
DISH	40	40				
WT OF DISH + WET SOIL	8.59	7.61				
WT OF DISH + DRY SOIL	7.26	6.46				
WT OF MOISTURE						
WT OF DISH	1.39	1.30				
WT OF DRY SOIL						
MOISTURE CONTENT						

LIQUID LIMIT

DETERMINATION	1	2	3	4	5	6
DISH	60	18	1			
NUMBER OF BLOWS	29	25	19			
WT OF DISH + WET SOIL	11.05	8.22	10.73			
WT OF DISH + DRY SOIL	9.06	6.80	8.72			
WT OF MOISTURE						
WT OF DISH	1.33	1.39	1.37			
WT OF DRY SOIL						
MOISTURE CONTENT						

LIQUID LIMIT



SUMMARY

DRY DENSITY	MOISTURE CONTENT	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	IDENTIFICATION

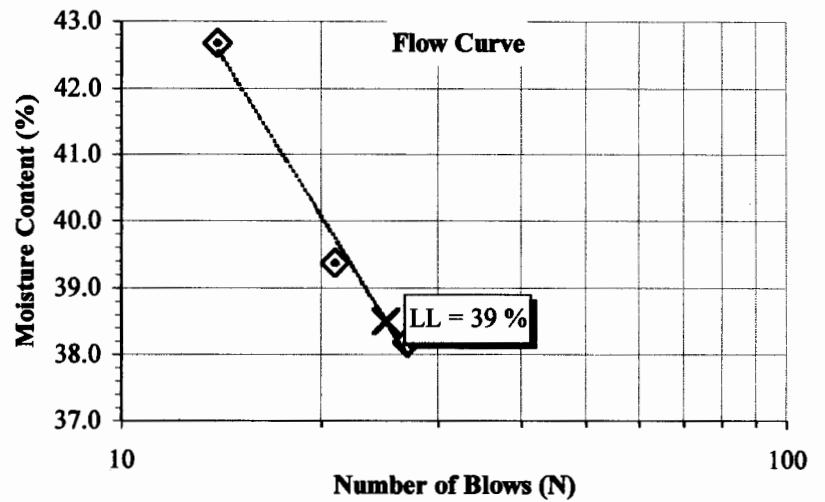
Liquid Limit, Plastic Limit, and Plasticity Index of Soils (ASTM D4318)



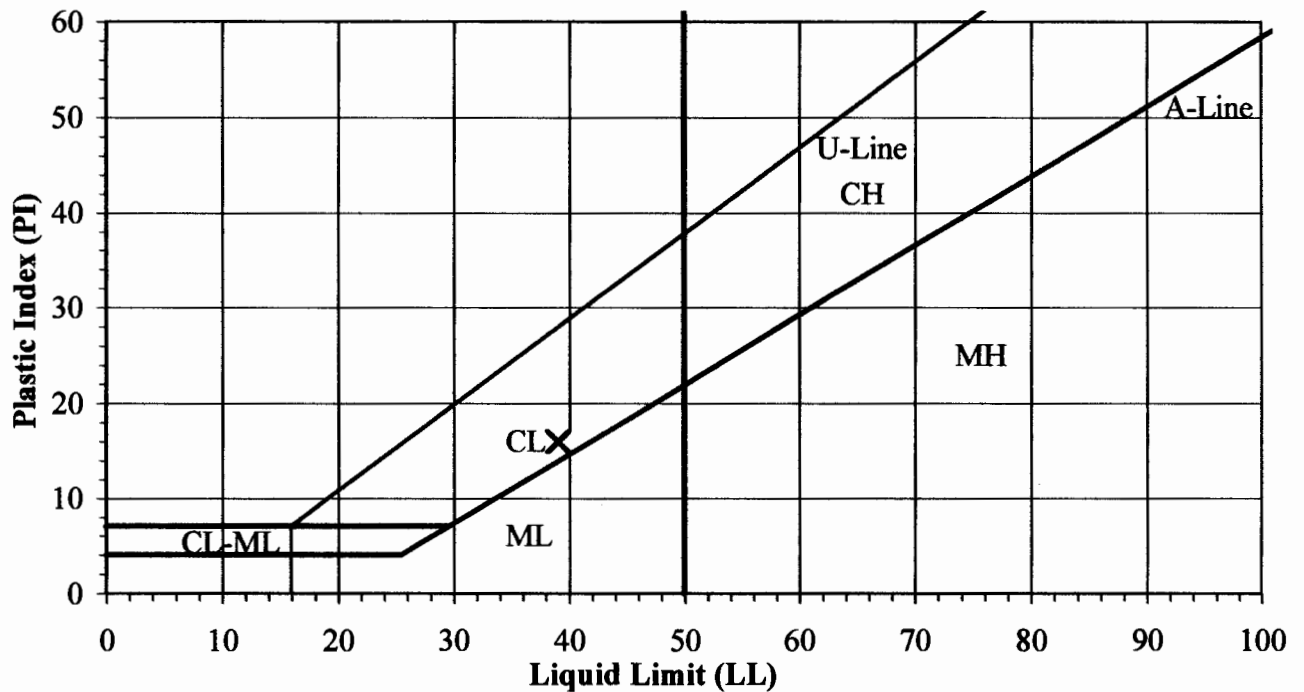
Project: Youd
 Number: M-00399-003
 Sample: WLA D-2
 Depth: 22-24.5

Liquid Limit (%)	39
Plastic Limit (%)	23
Plastic Index (%)	16
Identification	CL

Method: Multipoint
 Sample preparation: Air dried



PL Results (%)	22.8	22.5	
Number of blows (N)	27	21	14
LL Results (%)	38.2	39.4	42.7



Comments:

Tested by: WPP
 Reviewed: RL

ATTERBERG LIMITS TEST DATA

ASTM D4318

FIELD CLASSIFICATION

LABORATORY CLASSIFICATION

FIELD DENSITY BY / /

ICES

JOB NO.

CLIENT/OWNER

LOCATION

BORING WLAD2 SAMPLE

DEPTH 22-24.5

DETERMINATION	1	2
NUMBER OF RINGS		
WT OF RINGS + WET SOIL		
WT OF RINGS		
WT OF WET SOIL		
FIELD DENSITY		
DRY DENSITY		

THIS IS A 1/8-INCH THREAD

DETERMINATION	1	2
DISH		
WT OF DISH + WET SOIL		
WT OF DISH + DRY SOIL		
WT OF MOISTURE		
WT OF DISH		
WT OF DRY SOIL		
FIELD MOIST. CONTENT		

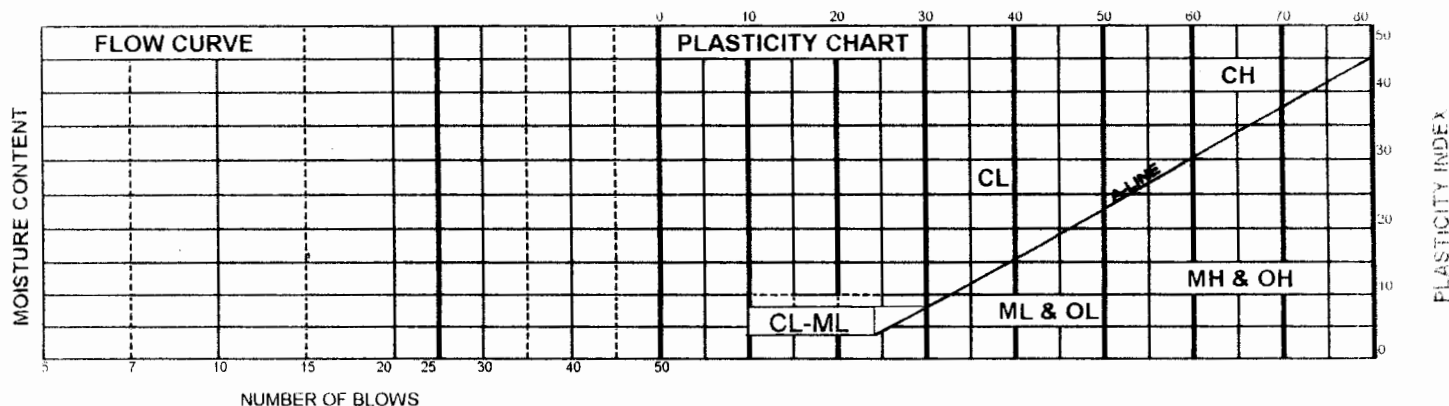
PLASTIC LIMIT BY 2.5.04

DETERMINATION	1	2	3	4	5	6
DISH	59	7				
WT OF DISH + WET SOIL	6.35	6.25				
WT OF DISH + DRY SOIL	7.06	6.99				
WT OF MOISTURE						
WT OF DISH	1.12	1.38				
WT OF DRY SOIL						
MOISTURE CONTENT						

LIQUID LIMIT

DETERMINATION	1	2	3	4	5	6
DISH	22	28	24			
NUMBER OF BLOWS	27	21	14			
WT OF DISH + WET SOIL	11.27	10.22	9.37			
WT OF DISH + DRY SOIL	6.54	7.72	6.98			
WT OF MOISTURE						
WT OF DISH	1.79	1.37	1.38			
WT OF DRY SOIL						
MOISTURE CONTENT						

LIQUID LIMIT



SUMMARY

DRY DENSITY	MOISTURE CONTENT	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	IDENTIFICATION