

### Laboratory Information

Laboratory: PVDJ Soil Lab  
Technician: WM  
Sample By: RA

Test Standard: ASTM-D4318  
Test Date: 2025-05-27  
Report Date: 2025-07-20

Test Method:  
Prep. Method: Manual  
Splitting Method: Air Dried

### Sample Information

Structure: DH-BGC25-001  
Work Area:  
Source:  
Material Type: Soil

Sample Name: DH-BGC25-001#2  
Sample Number: G1  
Sample Date: 2025-05-21  
Elevation:  
Natural Moisture (%):

Depth From: 33.4  
Depth To: 33.60  
North:  
East:

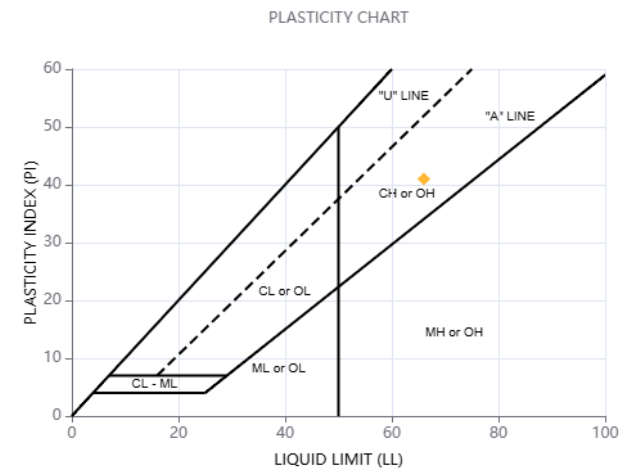
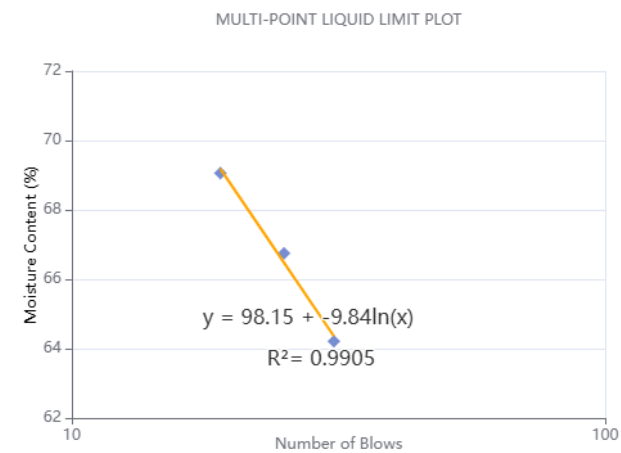
### Testing Information

#### Liquid Limit

| Trial Number            | 1          | 2          | 3          |
|-------------------------|------------|------------|------------|
| No. of Blows            | 31         | 25         | 19         |
| Container               | LAB-075-E4 | LAB-216-B2 | LAB-216-L3 |
| Wt Wet Soil + Tare (gr) | 24.562     | 25.180     | 25.049     |
| Wt Dry Soil + Tare (gr) | 20.995     | 21.460     | 21.195     |
| Wt Water (gr)           | 3.57       | 3.72       | 3.85       |
| Tare (gr)               | 15.440     | 15.887     | 15.614     |
| Wt Dry Soil (gr)        | 5.56       | 5.57       | 5.58       |
| Moisture Content (%)    | 64.21      | 66.75      | 69.06      |

#### Plastic Limit

| Trial Number            | 1          | 2          | 3 |
|-------------------------|------------|------------|---|
| Container               | LAB-216-D3 | LAB-216-H3 |   |
| Wt Wet Soil + Tare (gr) | 23.052     | 23.266     |   |
| Wt Dry Soil + Tare (gr) | 21.527     | 21.752     |   |
| Wt Water (gr)           | 1.52       | 1.51       |   |
| Tare (gr)               | 15.510     | 15.814     |   |
| Wt Dry Soil (gr)        | 6.02       | 5.94       |   |
| Moisture Content (%)    | 25.34      | 25.50      |   |
| Avg. Moisture Content%  | 25.42      |            |   |



#### Summary Atteberg Limit Parameter

|                       |    |
|-----------------------|----|
| Liquid Limit (%):     | 66 |
| Plastic Limit (%):    | 25 |
| Plasticity Index (%): | 41 |
| Liquidity Index (%):  |    |

|                                                                                          |          |
|------------------------------------------------------------------------------------------|----------|
| Soil Classification as per Unified Soil Classification System, ASTM designation D2487-06 | CH OR OH |
|------------------------------------------------------------------------------------------|----------|

#### Laboratory Comments:

Reviewed By: \_\_\_\_\_

Date: \_\_\_\_\_

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_