Laboratory Information

Laboratory: **QA-LAB**
Technician:
Sample By

Test Standard:
Test Date:
Report Date:

Test Method:
Prep. Method.
Dispersion Device

Hydrometer Type:
Mixing Method:
Specific Gravity was:

Sample Information

Structure:
Work Area
Source
Material Type:

Sample Name:
Sample Number:
Sample Date:
Elevation

Depth From
Depth To:
North
East

Hydrometer Analysis

Dispersing Agent	
Amount used (g)	
Temperature of test, T (ºC)	
Viscosity of water (g*s/cm2)	
Mass density of water Calibrated (ρc)	
Acceleration (cm/s2)	
Volume of suspension (Vsp) cm3	
Meniscus Correction, Cm	
Percent Passing No. 200 sieve	

Atterber Limit Results

Liquid Limit (%)	
Plasticity Index (%)	

Specific Gravity

SG	

Moisture Content Test

Trial No.	
Tare Name.	
Oven Temperature (°C)	
Tare Plus Wet Soil (gr)	
Tare Plus Dry Soil (gr)	
Water, Ww (gr)	
Tare (gr)	
Dry Soil, Ws (gr)	
Moisture Content (%)	

Container	
Wt Wet Soil + Tare (gr)	
Wt Dry Soil + Tare (gr)	
Tare (gr)	
Wt Dry Soil (gr)	
Wt Washed (gr)	
Wt Wash Pan (gr)	

Screen	(mm)	Wt Ret	% Ret	Cum % Ret	% Pass
2.5	63				
2	50.8				
1.5	37.5				
1	25.0				
3/4"	19.0				
1/2"	12.50				
3/8"	9.5				
No. 4	4.75				
10	2.00				
16	1.18				
20	0.85				
50	0.3				
60	0.25				
100	0.15				
140	0.106				
200	0.075				
Pan					
Total Pan					

Hydrometer Calibration:		Hydrometer measure of fluid:	
Hydrometer ID:		Hydrometer ID:	
Temperature (ºC)	Actual Reading	Temperature (ºC)	Actual Reading

Classification of Soils as per USCS, ASTM designation D 2487-06

Summary Grain Size Distribution Parameter

Coarser than Gravel%	
Gravel%	
Sand%	
Fines%	
D10 (mm) =	
D15 (mm) =	
D30 (mm) =	
D60 (mm) =	
D85 (mm) =	
Cc:	
Cu:	

Reading #	Date	Hour	Reading Time, T (min)	Temp °C	Hydrometer Readings (Rm)	A or B depending of the Hydrometer type	Offset at Reading (r_{dm})	*Mass Percent Finer (N_m) (%)*	Effective Length(H_m)	*D*, mm	passing percentage respect to the total sample

Laboratory Comments:

Reviewed by: _____

Date: _____