BGC ENGINEERING INC.
AN APPLIED EARTH SCIENCES COMPANY

Standard Proctor Test
General Revision 2

Project Information		Sample Information						Laboratory Information			
Project Name:		Structure:		Sample #:		Coordinates N or STN, E or O/s, El.		Lab Name:		Test Method:	
Project Number:		Work Area:		Material Type:			Sampled By:	Technician:		Test Start Date:	
Client Name:		Borrow Source:		Depth (m):				Test Standard		Report Date:	

Testing Information

Natural Moisture Content MC(%):		Preparation Method:	
Specific Gravity (Estimated or Measured):		Rammer:	

Sample Number	1	2	3	4	5	6	7
(A) Wt Wet Soil + Mold							
(B) Wt Mold, g							
(C) Wt Wet Soil, g = (A-B)							
(D) Vol Mold, cm^3							
(E) Wet Density, kg/m^3 = (C/D) x 1000							
(F) Dry Density, kg/m^3 = [E/(1+L/100)]							
Dry Density Corrected, kg/m^3							

Sample Number	2	3	4	5	6	6	7
Container							
(G) Wt Wet Soil + Tare, g							
(H) Wt Dry Soil + Tare, g							
(I) Wt Water, g = (G-H)							
(J) Tare, g							
(K) Wt Dry Soil, g = (H-J)							
(L) Moisture Content, % = (I/K) x 100							
Moisture Content Corrected, %							
Max Dry Density, kg/m3 =							
Optimum Moisture Content, % =							

Comparison Information

	CQA	CQC	Diff CQA- CQC
Max Dry Density kg/m3			
Optimum Moisture Content %			

Correction of Unit Weight and Water Content for Soils Containing Oversize Particles ASTM D4718

Wc (%)		γDF (kN/m³)	
Pc (%)		PF (%)	
Gm		γDT (kN/m³)	
γω (KN/m³)			

Corrected Dry unit weight of the total material (combined finer and oversize fractions) (Kg/m³)	
Corrected water content of combined finer and oversize fractions expressed in percent ω_T (%)	

Test condition

Passed	Failed

Corrective actions:

Comments:

Reviewed By:_____ Date: _____ Entered in DB by: _____ DB Checked by: _____