MOISTURE-DENSITY RELATIONSHIP TESTS

North Dakota Department of Transportation, Materials & Research Division

SFN 10063 (Rev. 09-2015)

Project Number	PCN	Station	Depth Below Grade
Offset From Centerline		Type of Soil	
ND Test Designation	Date	Test Number	

Density

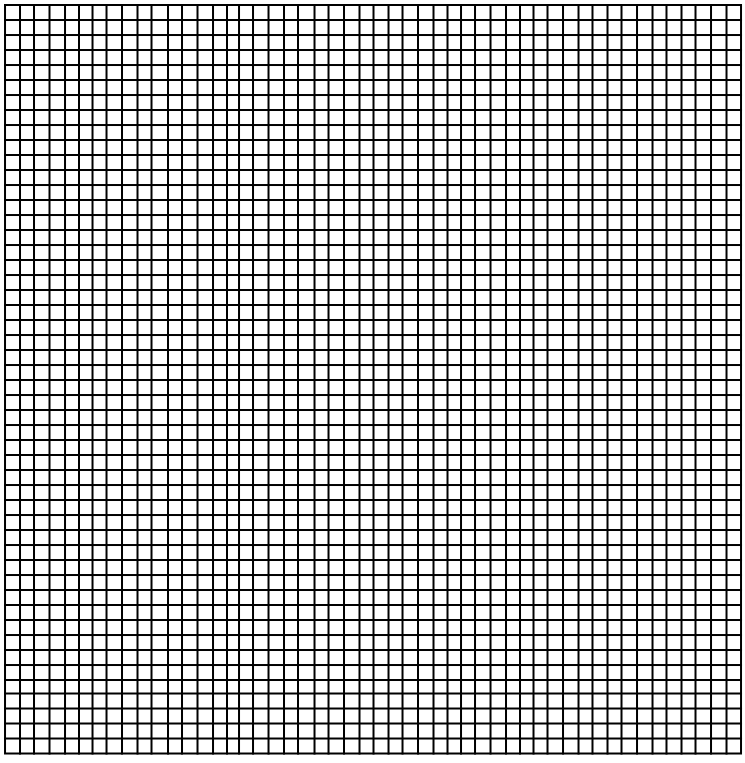
Determination No.		Test Count 1	2	3	4	5
A. Volume of Mold	cu. ft.					
B. Weight of Mold + compacted soil	lbs.					
C. Weight of Mold	lbs.					
D. Weight of Compacted Soil = B - C	lbs.					
E. Wet density = D ÷ A	lbs./cu. ft.					
F. Dry density = (E x 100) ÷ (100 + L)	lbs./cu. ft.					

ND T99 or T180 Tested by _____

Moisture Content

Container No.						
G. Wet Weight + Container	gms.					
H. Dry Weight + Container	gms.					
I. Moisture Loss = G - H	gms.					
J. Weight of Container	gms.					
K. Dry Weight of Soil = H - J	gms.					
L. % Moisture (I ÷ K) x 100						

ND D4643, ND T217 or T-265 Tested by _____



Max. Dry Density	lbs./cu. ft.
Optimum Moisture	%

Remarks: