

MOISTURE-DENSITY RELATIONSHIP TESTS

North Dakota Department of Transportation, Materials & Research
SFN 10063 (6-2018)

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	6
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.						

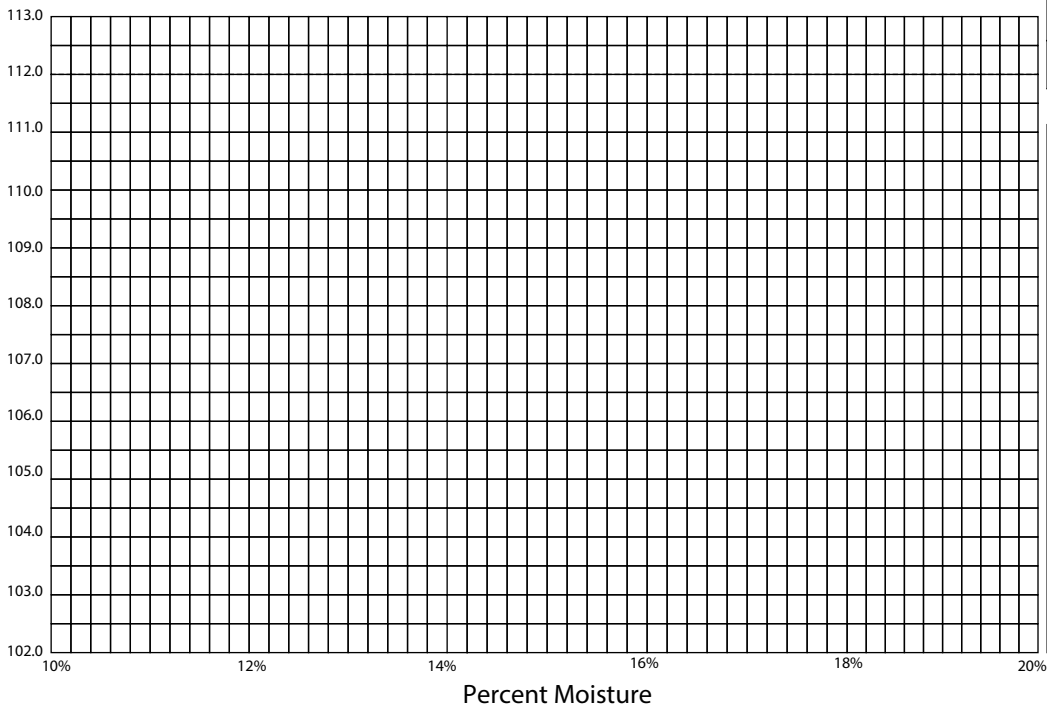
ND T99 or T180 Tested by _____

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. Tare Dry Weight of Soil = H - J gms.						
L. % Moisture (I / K) x 100						

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

Moisture Density Relationship



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

Remarks: