UNCOMPACTED VOID CONTENT OF FINE AGGREGATE

North Dakota Department of Transportation, Materials & Research
SFN 51701 (7-2017)

Project	PCN
District	Engineer
Contractor	Submitted By
Date Sampled	Material
Specification	Size or Class
Sample From	Field Sample Number

Pit Location

Sand	Gravel
Aggregate	Pit Owner

Sample Number			
Dry bulk specific gravity (G)			
Volume of cylinder, mL (V)			
Weight of cylinder, gram (A)			
Wt. of cylinder + aggregate, gram (B)			
Wt. of aggregate, gram (F) = B - A			Average*
Uncompacted void content $U = \frac{V - (F/G)}{V} \times 100$			

*round and report to whole number

ND T 304, Method A Tested by

Sieve Size	Mass, gram
No. 16 (1.18mm)	44
No. 30 (600 µm)	57
No. 50 (300 µm)	72
No. 100 (150 µm)	17
Total	190