

Sampling & Testing Guide-Minimum Frequency

**ROADWAY & BORROW EXCAVATION & EMBANKMENTS**  
Section 2102 & 2107

Matls. IM 204  
Appendix A (Metric) Units

October 16, 2007  
Supersedes October 17, 2006

MATERIAL OR CONSTRUCTION ITEM	TESTS	METHOD OF ACCEPTANCE & RELATED IMs	QUALITY CONTROL					INDEPENDENT ASSURANCE & VERIFICATION S&T						REMARKS
			SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	S&T TYPE	SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	
<b>SOURCE INSPECTION</b>														
Special Backfill														
Crushed Stone (4132.02)		AS 209												
Crushed Concrete (4132.02)		209												
RAP (2303.02)														
Gravel (4132.03)		AS 209												
Granular Backfill		AS 209												
Engineering Fabric (4196)	Quality	AS 496.01												
<b>GRADE INSPECTION</b>														
Special & Select Backfill	Moisture	309, 310						V	RCE	1/lift/450 m	0.5 kg	RCE	Field Book	
Moisture & Density Compaction Control	Density (Proctor) Moisture	309, 310						V	RCE	1/soil class 1/lift/450 m	12 kg 0.5 kg	RCE	Field Book	
Compacted Materials	Density	311, 326, 334						V	RCE	1/lift/1.5 km or 1/1150 m <sup>3</sup>		RCE		Unless otherwise specified or directed
AS-Approved Source ASD-Approved Shop Drawing S&T-Sampling & Testing			Cert A-Type A Certification Cert C-Type C Certification Cert D-Type D Certification				RCE-Resident Construction Engineer/Project Engineer DME-District Materials Engineer CTRL-Central Materials Office CONTR-Contractor				IA-Independent Assurance V-Verification			