COARSE AGGREGATE GRADING

<u>**Minimum Frequency**</u> – MONTHLY *(Not required if supplier is QEC)*

1. Obtain a manufacturer's test certificate, or sample and test coarse aggregate for grading. *(Retain test certificate)*
2. Use the supplier's submitted grading as the target. Apply the allowable limits of deviation from AS2758.1 Table 1 to establish the acceptable grading envelope
3. Record test details and compare to minimum acceptable specifications.
4. Identify whether the result for each sieve size is a pass or a failure.

<u>Notes</u>:
i) The results of a NATA endorsed lab report shall be used to complete this form for all new suppliers or new type prior to delivery.
ii) A reference sample is maintained for comparative purposes and use in supplier investigation.
iii) SS = Single Sized   G = Graded

<u>**If non-conforming do the following:**</u>

a. Advise the designated quality coordinator of non-conformance and provide them with a copy of this form. – *NCR shall be raised.*
b. Outside AS 2758.1 Tables 1 & 2 (values indicated by * asterisk):
   - Isolate material and remove from bins.
c. Within AS 2758.1 but significant variation from Rocla specification or acceptable grading envelope (where applicable):
   - Investigate with supplier and if required agree upon a new acceptable grading envelope.
   - If required contact Engineering Department for further assistance with developing an approved mix.
   - Where an approved mix is developed record the agreed acceptable grading envelope of the new aggregate.

<u>Informative Note</u>:
Any deviation from the Civilmart Poles specification may compromise product quality, mix workability and may result in increased cement usage.

SIZE:			Graded or single size (circle one)		TEST No.		TEST DATE:		DELIVERY DATE:
SUPPLIER			Manufacturer's Test Certificate? Y / N				Coarse agg □		
			Submitted grading attached? Y / N				Fine agg □	Natural □	
								Manufactured □	

SIEVE SIZE	RETAINED MATERIAL			% PASSING						
				TEST SAMPLE	CIVILMART POLES SPECIFICATION					
	Mass	%	Cum. %		Supplier's submitted grading	Limits of deviation from AS2758.1 Table 1	Acceptable Grading Envelope		Pass / Fail	
							Lower limit	Upper limit		
26.5										
19.0										
13.2										
9.5										
6.7										
4.75										
2.36										
0.075										
PAN										
Sample Mass										

GRADING

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