

Appendix 9

Andesite Pit Stockpile Gradation Results

November 1, 2016



PROJECT NO. 2331-20126-11

CLIENT Ministry of Transportation
C.C.

TO
Ministry of Transportation
#213 - 1011 4th Avenue
Prince George, BC
V2L 3H9

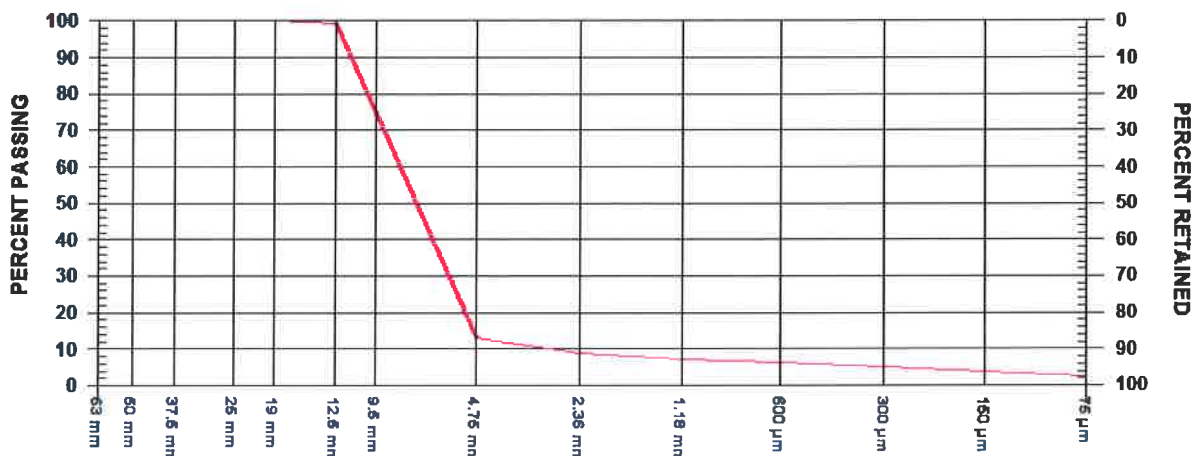
PROJECT MoTI Aggregate
Andesite Pit

CONTRACTOR

SIEVE TEST NO. 25 DATE RECEIVED 30/Sep/2016 DATE TESTED 31/Oct/2016 DATE SAMPLED 20/Sep/2016

SUPPLIER Stockpile A
SOURCE
SPECIFICATION
MATERIAL TYPE 19 mm Minus

SAMPLED BY T. Wilkes
TESTED BY L. Bell
TEST METHOD WASHED



GRAVEL SIZES	PERCENT PASSING	GRADATION LIMITS
63 mm		
50 mm		
37.5 mm		
25 mm		
19 mm	100.0	
12.5 mm	99.3	
9.5 mm	74.9	

SAND SIZES AND FINES	PERCENT PASSING	GRADATION LIMITS
4.75 mm	13.1	
2.36 mm	9.0	
1.18 mm	7.2	
600 µm	6.2	
300 µm	5.1	
150 µm	3.8	
75 µm	2.7	

COMMENTS

Percent Passing 75 mm Sieve = 100%. Tested as per ASTM C117 and C136 Standards.



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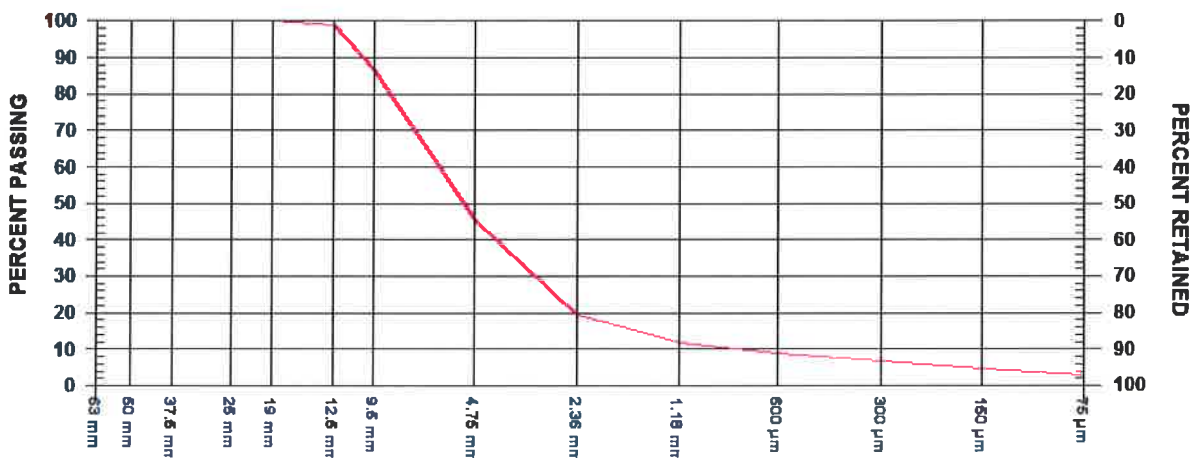
TO
 Ministry of Transportation
 #213 - 1011 4th Avenue
 Prince George, BC
 V2L 3H9

PROJECT MoTI Aggregate
 Andesite Pit

CONTRACTOR

SIEVE TEST NO. 27 DATE RECEIVED 30/Sep/2016 DATE TESTED 31/Oct/2016 DATE SAMPLED 20/Sep/2016

SUPPLIER	Stockpile C	SAMPLED BY	T.Wilkes
SOURCE		TESTED BY	L.Bell
SPECIFICATION		TEST METHOD	WASHED
MATERIAL TYPE	19 mm Minus		



GRAVEL SIZES	PERCENT PASSING	GRADATION LIMITS
63 mm		
50 mm		
37.5 mm		
25 mm		
19 mm	100.0	
12.5 mm	99.1	
9.5 mm	86.8	

SAND SIZES AND FINES	PERCENT PASSING	GRADATION LIMITS
4.75 mm	45.8	
2.36 mm	19.5	
1.18 mm	12.0	
600 µm	9.0	
300 µm	6.7	
150 µm	4.7	
75 µm	3.0	

COMMENTS
 Percent Passing 75 mm Sieve = 100%. Tested as per ASTM C117 and C136 Standards.