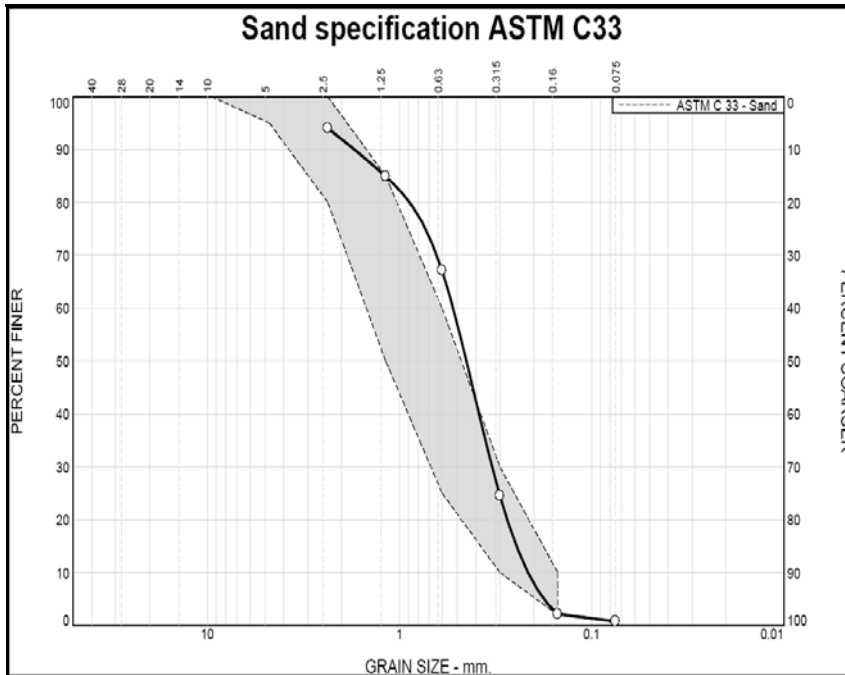


LABORATORY TEST DATA SUMMARY SHEET

HOLE NO. X1050

Page 1 of 1

SUMMARY OF SAND GRADATION FOR THE INTERVAL 3 to 38 feet



Sieve	Wt. % Ret.	% Passing	ASTM C33
No. 4	0.0	100.0	95 - 100
No. 8	6.0	94.0	80 - 100
No. 16	9.1	84.9	50 - 85
No. 30	17.8	67.1	25 - 60
No. 50	42.6	24.5	10 - 30
No. 100	22.3	2.2	2 - 10
No. 200	1.4	0.8	
Pan	0.8		

SUMMARY OF WEIGHTED AVERAGE PERCENT GRAVEL FOR THE INTERVAL 3 to 38 feet

Percent Gravel + 1.5 inch	0.6		
Percent Gravel 1.5 to 0.75 inches	2.4		
Percent Gravel 0.75 inch to #4 sieve	12.0		
Total Percent Gravel		14.9	

SUMMARY OF PERCENT GRAVEL INDIVIDUAL INTERVALS

INDIVIDUAL INTERVALS	PERCENT GRAVEL				Sample Wt. (lbs.)
	Total	+ 1.5 inch	1.5 to 0.75 inch	0.75 inch to #4	
3 - 15	7.3	1.5	1.6	4.2	32.0
15 - 25	3.3	0.0	0.1	3.2	26.4
25 - 30	29.9	0.3	4.3	25.3	39.4
30 - 35	39.2	0.0	5.4	33.8	47.7
35 - 38	18.0	0.0	4.5	13.5	16.7

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Geological Assessment, UMore Park

Prepared for the Board of Regents
of the University of Minnesota

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