

Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-TD-13-01**

Sample No. **ARD-03**

Depth **1.0 m**

Location **TSF-Dam**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

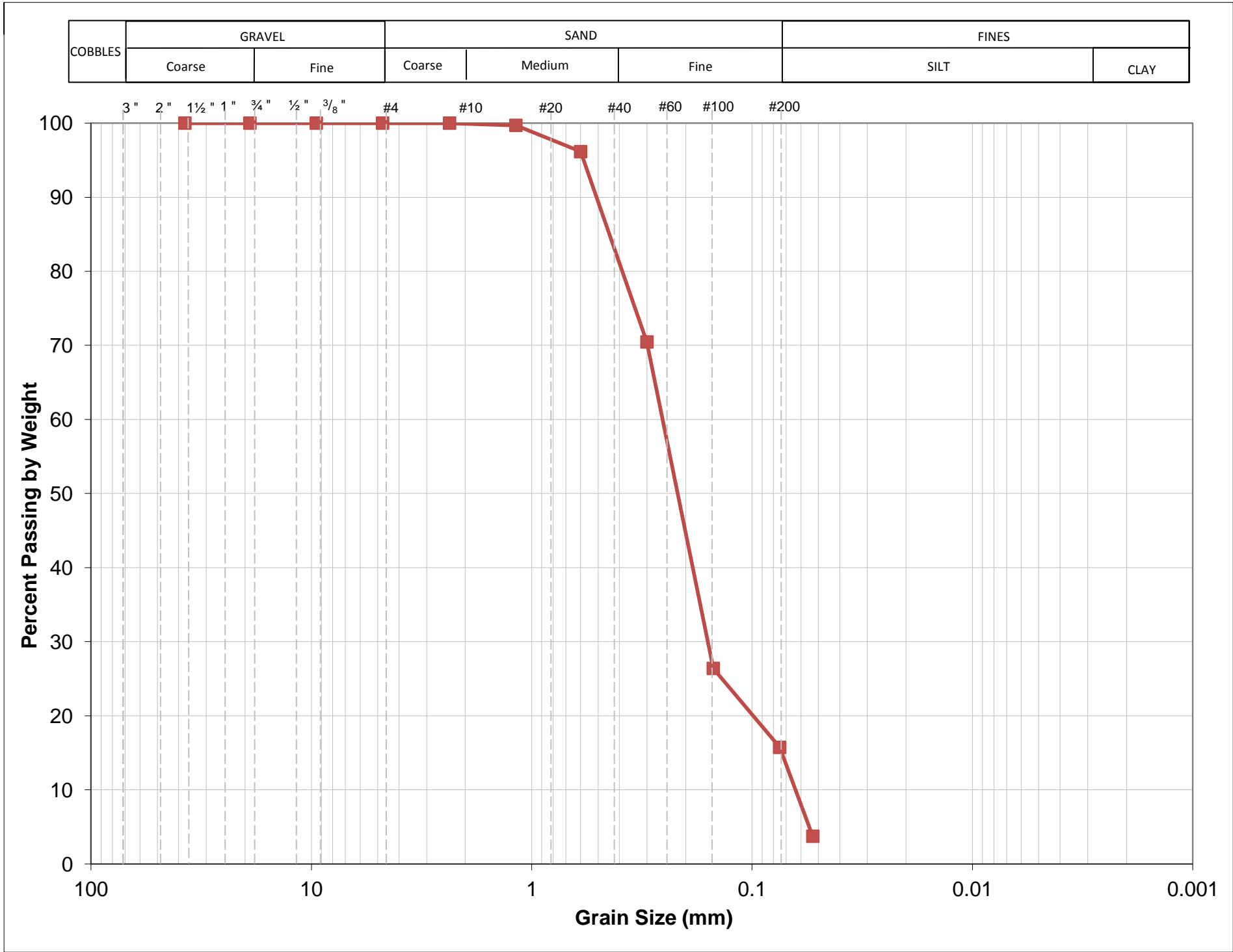
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	0	100.0
#14	1.18	0.3	99.7
#30	0.6	3.55	96.2
#48	0.3	25.69	70.5
#100	0.15	44.07	26.4
#200	0.075	10.66	15.7
#270	0.053	12	3.7
Pan		3.73	0.0

Gravel (%)	0.0
Sand (%)	84.3
Fines (%)	15.7

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-TD-13-02**

Sample No. **ARD-01**

Depth **1.1 m**

Location **TSF-Dam**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

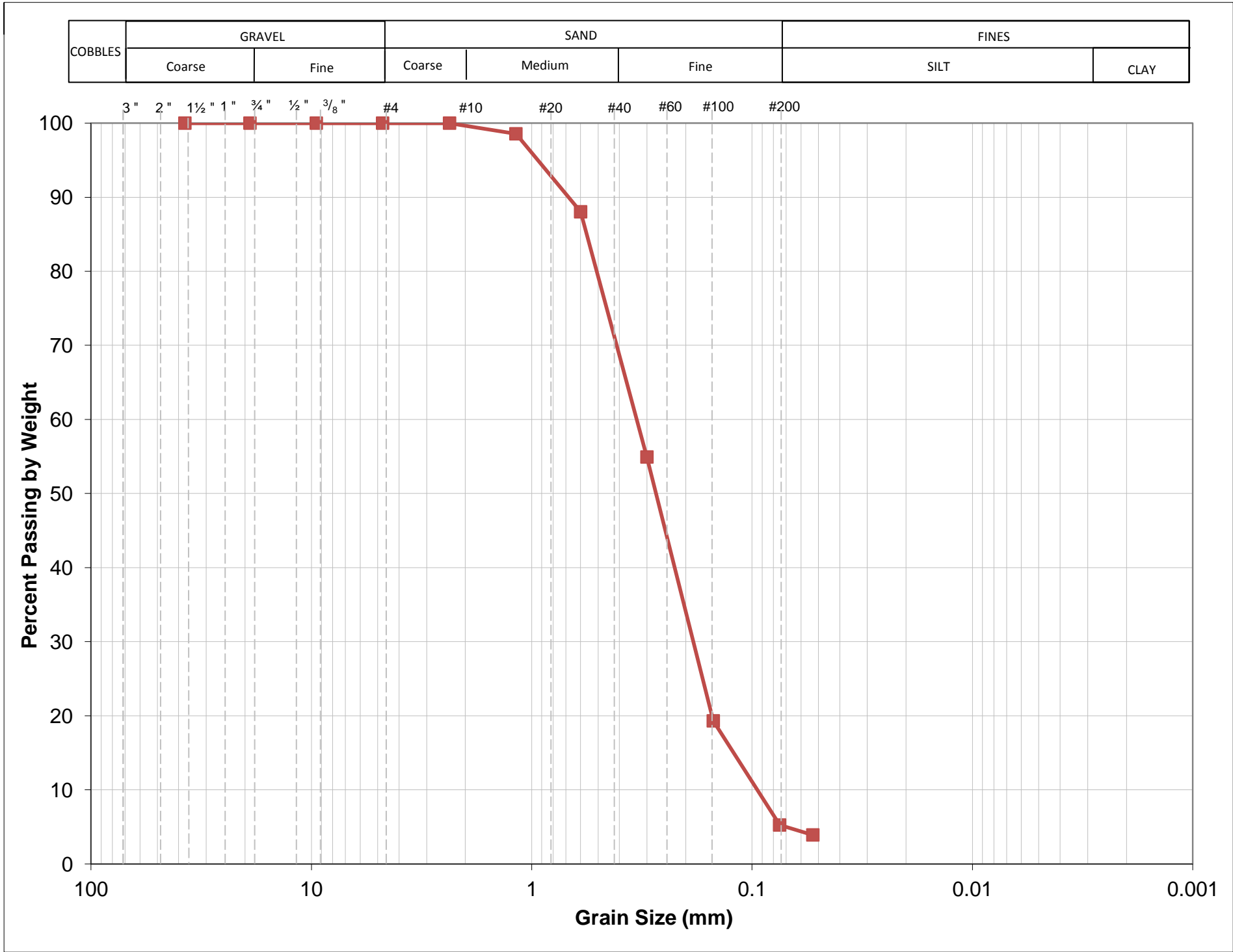
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	0	100.0
#14	1.18	1.44	98.6
#30	0.6	10.53	88.0
#48	0.3	33.1	54.9
#100	0.15	35.62	19.3
#200	0.075	14.06	5.3
#270	0.053	1.34	3.9
Pan		3.91	0.0

Gravel (%)	0.0
Sand (%)	94.8
Fines (%)	5.3

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-TD-13-02**

Sample No. **ARD-04**

Depth **5.0 m**

Location **TSF-Dam**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

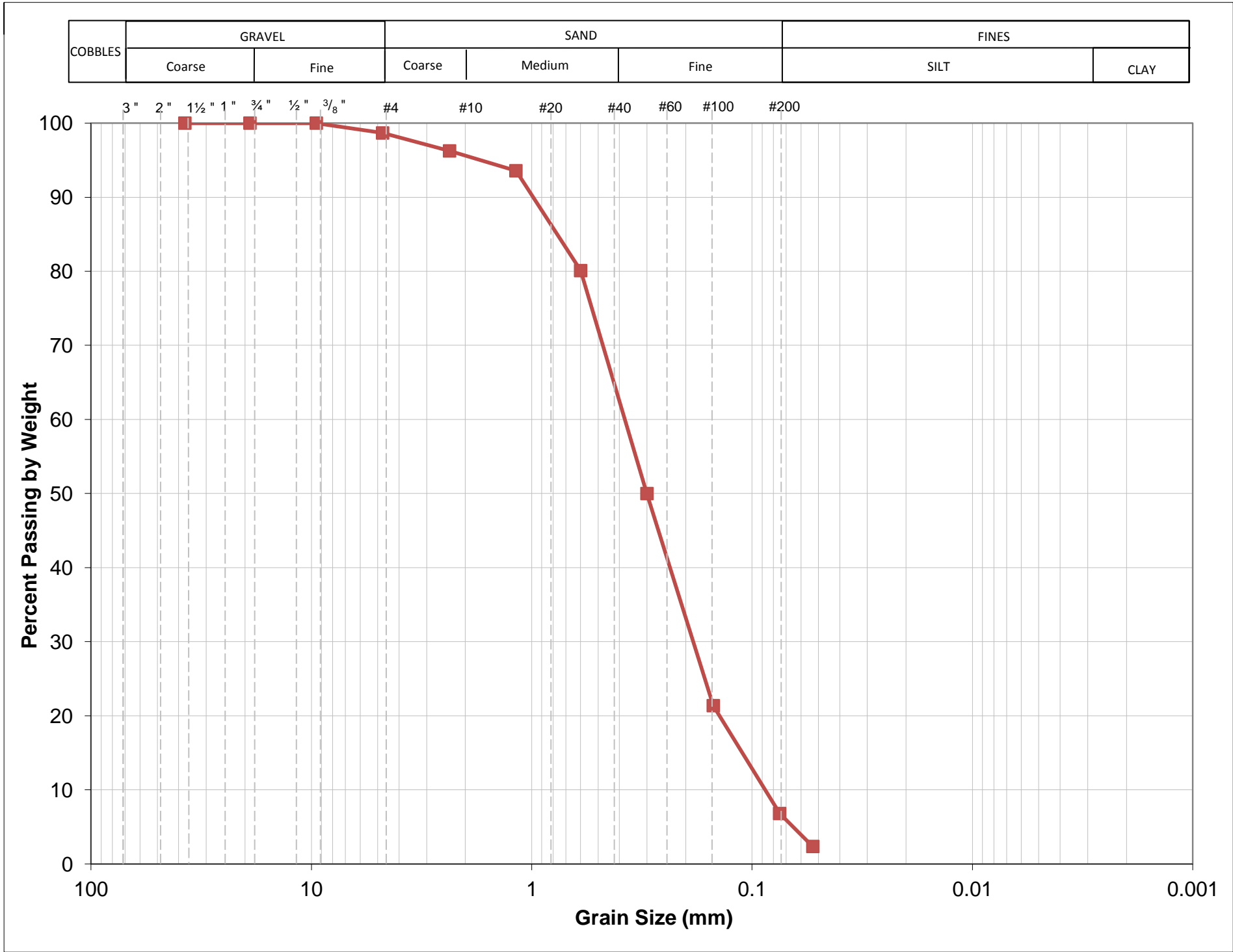
Sieve Initial weight (g)	100
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Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	1.33	98.7
#8	2.36	2.42	96.3
#14	1.18	2.68	93.6
#30	0.6	13.48	80.1
#48	0.3	30.1	50.0
#100	0.15	28.63	21.4
#200	0.075	14.56	6.8
#270	0.053	4.45	2.4
Pan		2.35	0.0

Gravel (%)	1.3
Sand (%)	91.9
Fines (%)	6.8

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-TD-13-03**

Sample No. **ARD-02**

Depth **2.0 m**

Location **TSF-Dam**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

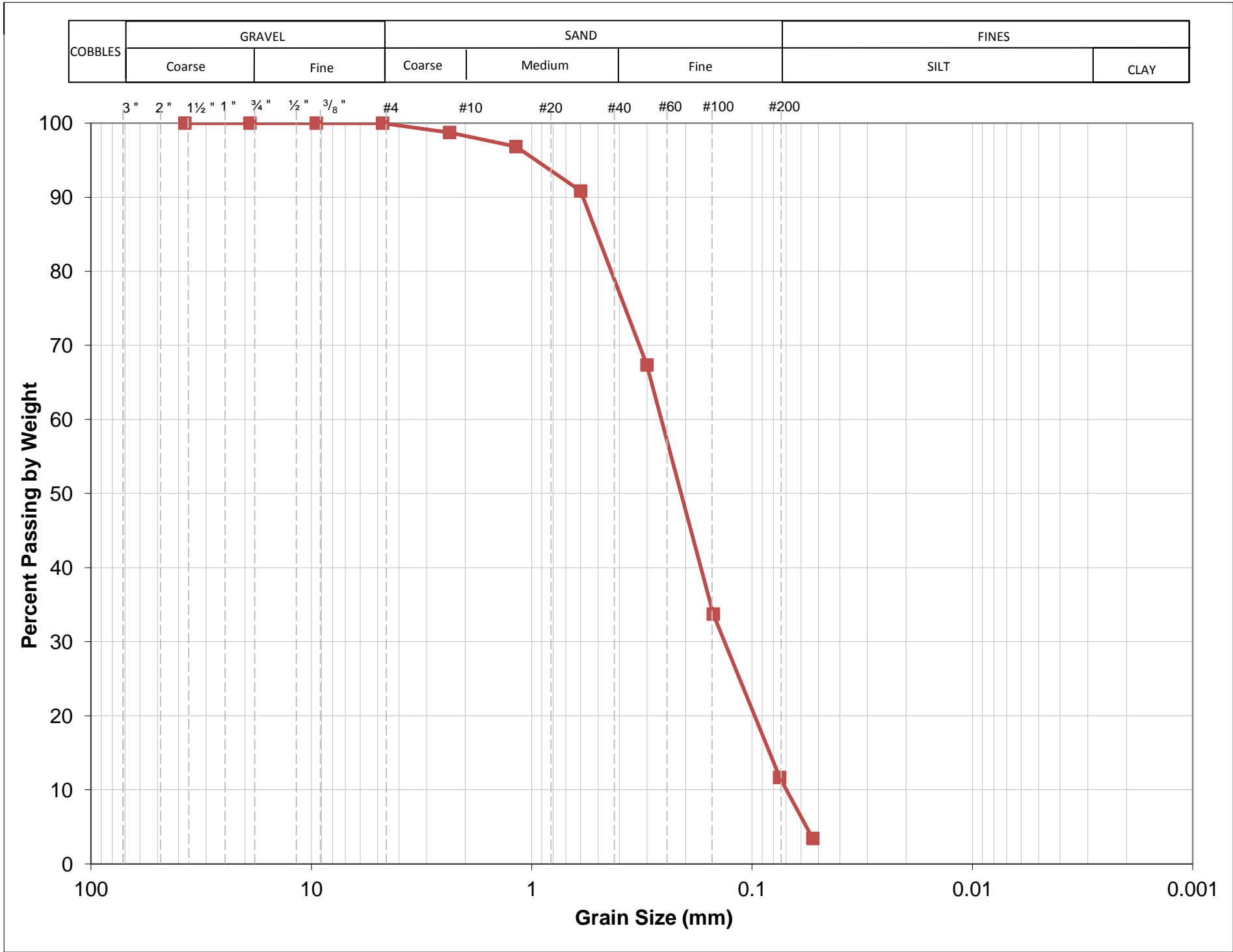
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	1.26	98.7
#14	1.18	1.91	96.8
#30	0.6	6	90.8
#48	0.3	23.48	67.4
#100	0.15	33.63	33.7
#200	0.075	22.05	11.7
#270	0.053	8.24	3.4
Pan		3.43	0.0

Gravel (%)	0.0
Sand (%)	88.3
Fines (%)	11.7

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-TD-13-03**

Sample No. **ARD-06**

Depth **5.8 m**

Location **TSF-Dam**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

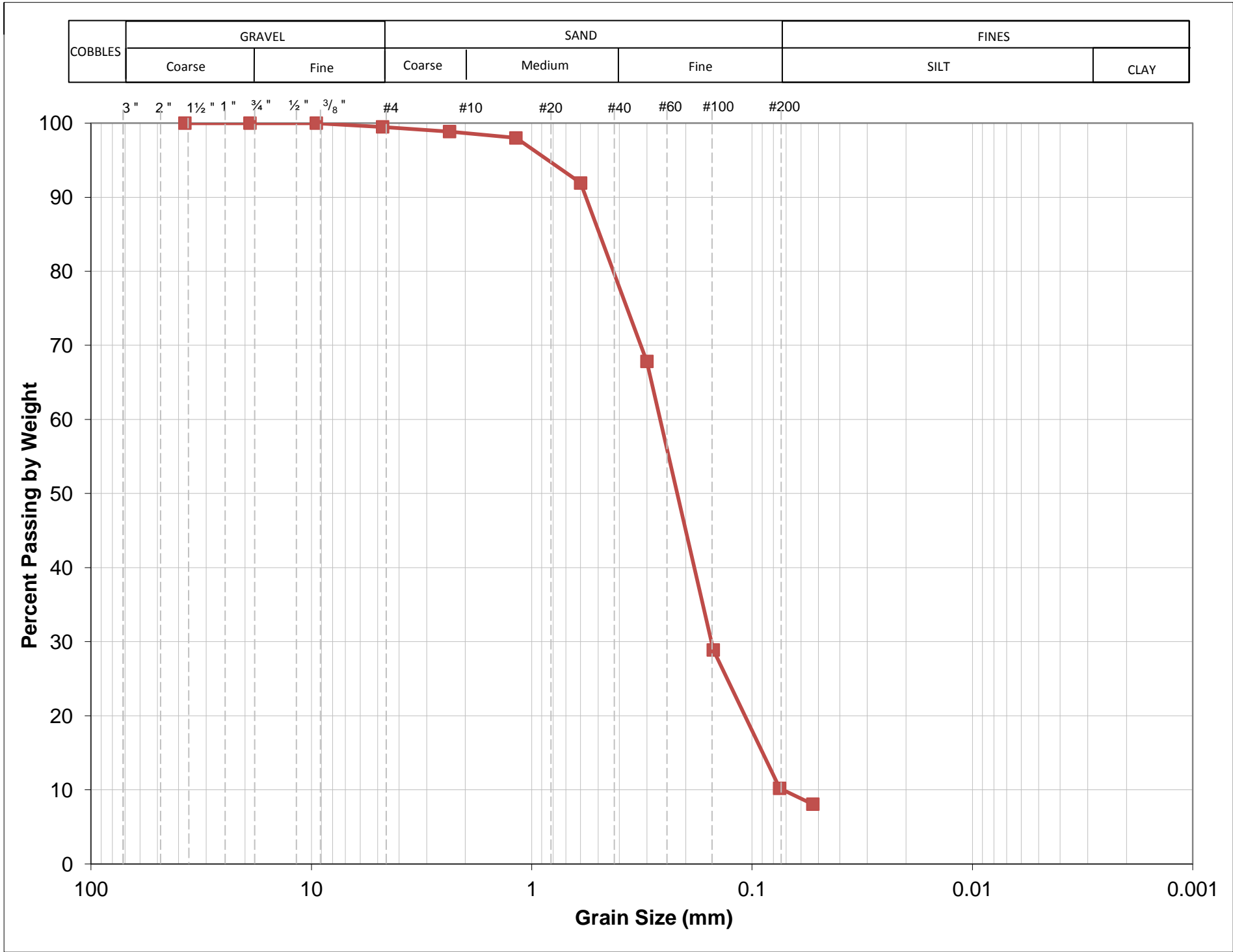
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0.5	99.5
#8	2.36	0.64	98.9
#14	1.18	0.86	98.0
#30	0.6	6.09	91.9
#48	0.3	24.08	67.8
#100	0.15	38.95	28.9
#200	0.075	18.68	10.2
#270	0.053	2.14	8.1
Pan		8.06	0.0

Gravel (%)	0.5
Sand (%)	89.3
Fines (%)	10.2

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **BH-TD-13-01**

Sample No. **ARD-03**

Depth **2.0 m**

Location **TSF-Dam**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

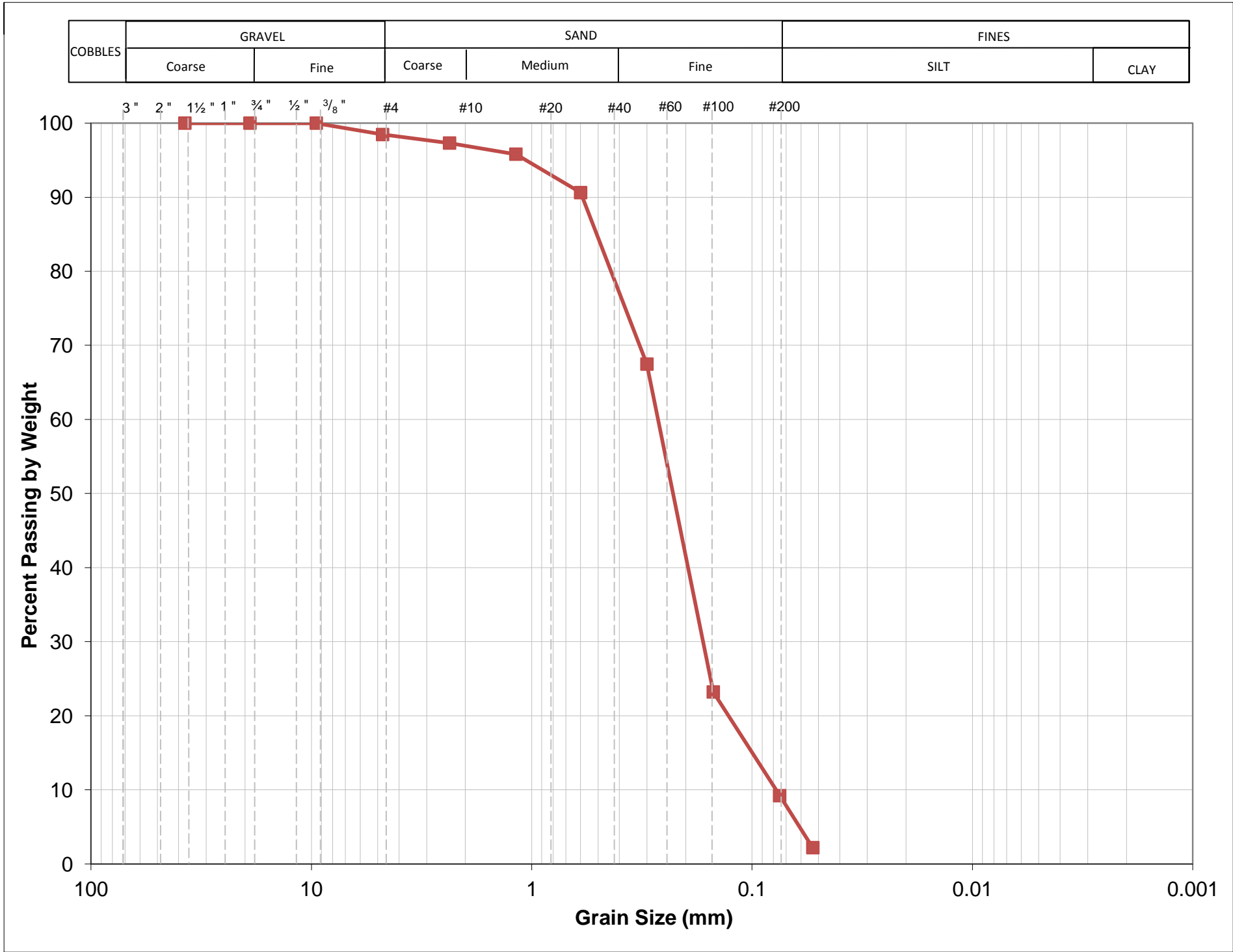
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	1.54	98.5
#8	2.36	1.15	97.3
#14	1.18	1.5	95.8
#30	0.6	5.19	90.6
#48	0.3	23.15	67.5
#100	0.15	44.26	23.2
#200	0.075	14	9.2
#270	0.053	7.02	2.2
Pan		2.19	0.0

Gravel (%)	1.5
Sand (%)	89.3
Fines (%)	9.2

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **BH-TD-13-01**

Sample No. **ARD-08**

Depth **7.5 m**

Location **TSF-Dam**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

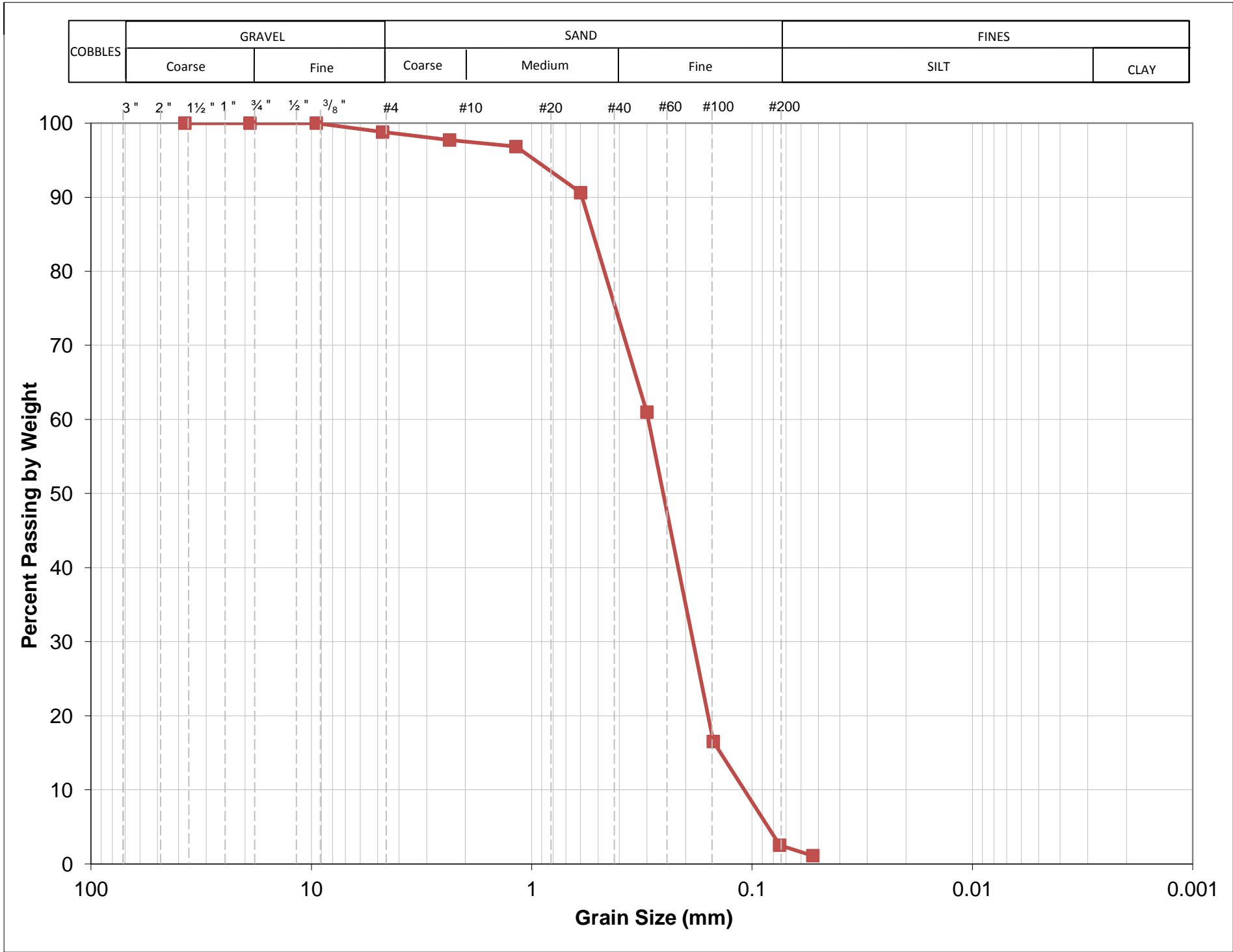
Sieve Initial weight (g)	100
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Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	1.21	98.8
#8	2.36	1.07	97.7
#14	1.18	0.89	96.8
#30	0.6	6.22	90.6
#48	0.3	29.62	61.0
#100	0.15	44.47	16.5
#200	0.075	14	2.5
#270	0.053	1.41	1.1
Pan		1.11	0.0

Gravel (%)	1.2
Sand (%)	96.3
Fines (%)	2.5

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **BH-TD-13-01**

Sample No. **ARD-10**

Depth **10.5 m**

Location **TSF-Dam**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

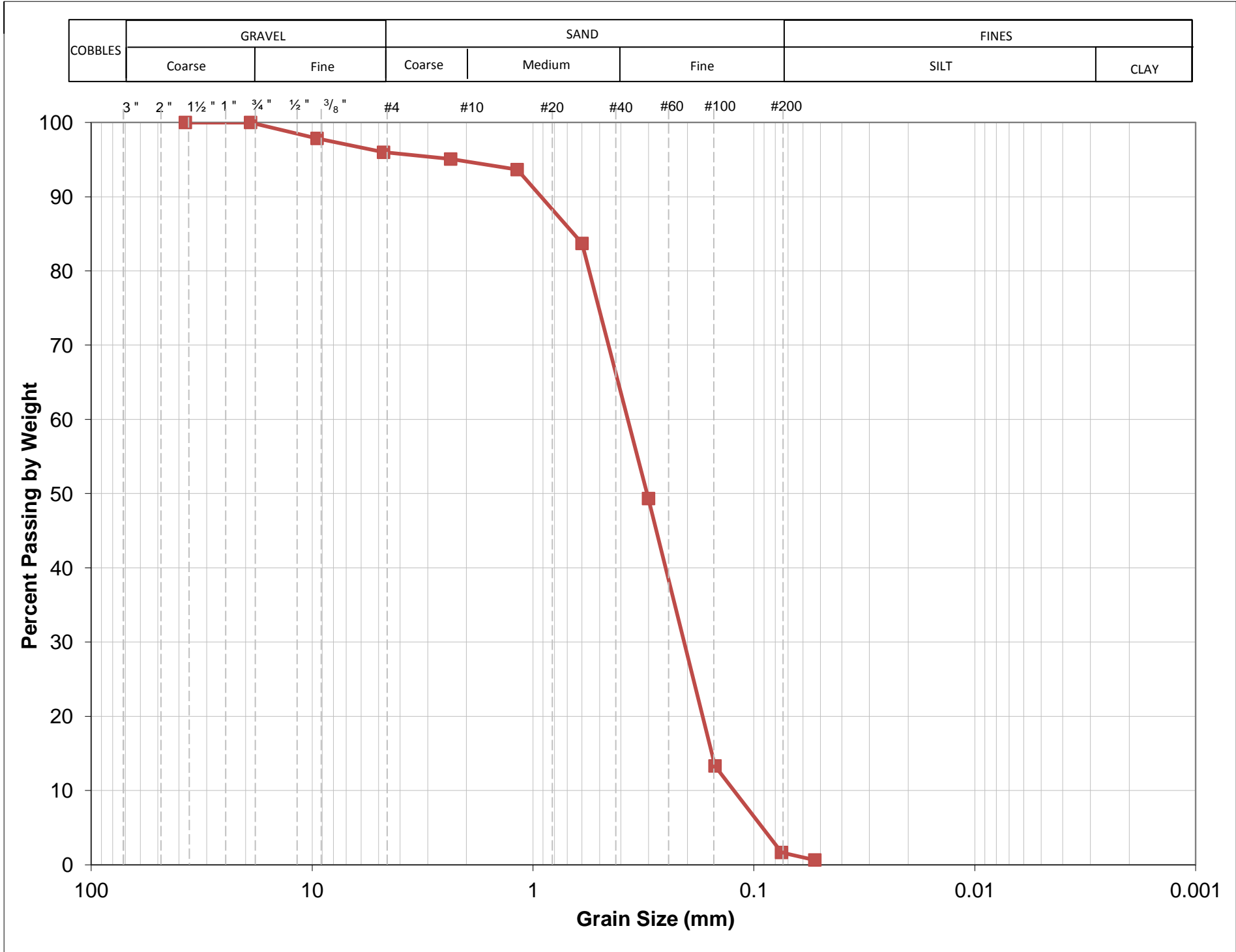
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	2.15	97.9
#4	4.75	1.87	96.0
#8	2.36	0.91	95.1
#14	1.18	1.42	93.7
#30	0.6	9.95	83.7
#48	0.3	34.37	49.3
#100	0.15	36.02	13.3
#200	0.075	11.66	1.6
#270	0.053	1.01	0.6
Pan		0.64	0.0

Gravel (%)	4.0
Sand (%)	94.3
Fines (%)	1.6

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-T-13-01**

Sample No. **ARD-01**

Depth **2.1 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

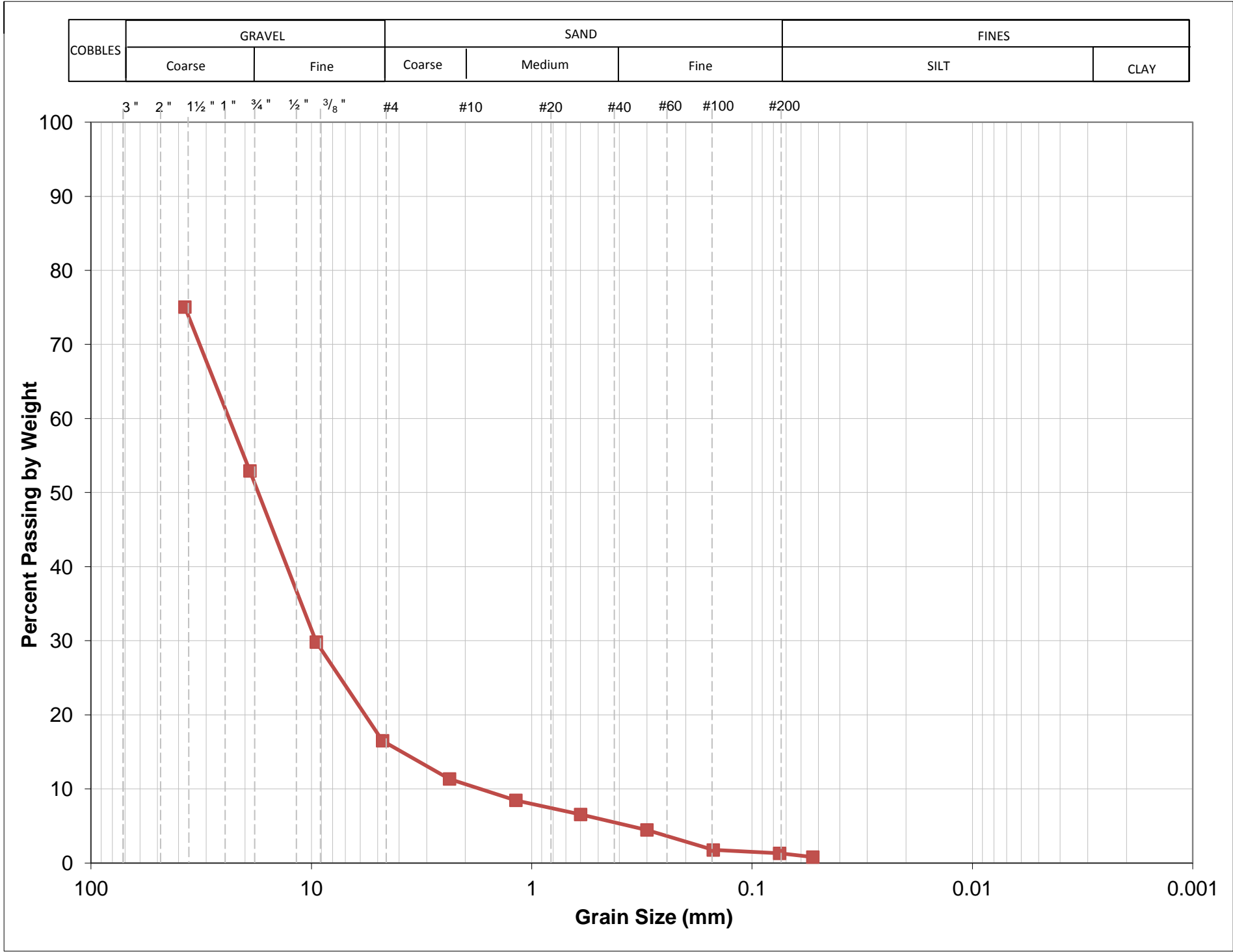
500

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	124.8	75.0
3/4"	19	110.6	52.9
3/8"	9.5	115.54	29.8
#4	4.75	66.58	16.5
#8	2.36	25.81	11.3
#14	1.18	14.42	8.5
#30	0.6	9.55	6.5
#48	0.3	10.43	4.5
#100	0.15	13.55	1.7
#200	0.075	2.26	1.3
#270	0.053	2.51	0.8
Pan		3.95	0.0

Gravel (%)	83.5
Sand (%)	15.2
Fines (%)	1.3

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-T-13-02**

Sample No. **ARD-02**

Depth **4.0 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

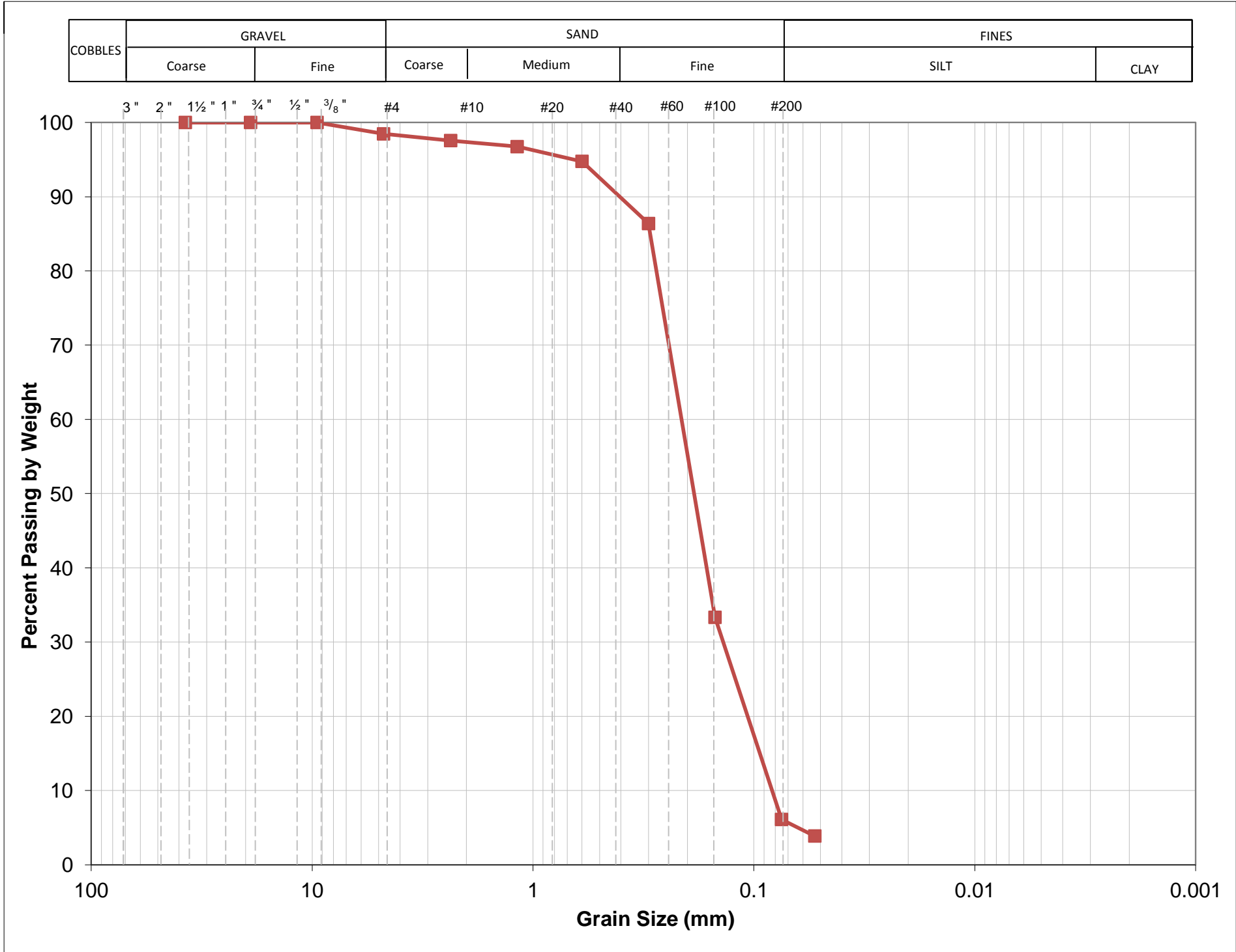
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	1.54	98.5
#8	2.36	0.9	97.6
#14	1.18	0.82	96.7
#30	0.6	1.98	94.8
#48	0.3	8.38	86.4
#100	0.15	53.05	33.3
#200	0.075	27.23	6.1
#270	0.053	2.23	3.9
Pan		3.87	0.0

Gravel (%)	1.5
Sand (%)	92.4
Fines (%)	6.1

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-T-13-02**

Sample No. **ARD-03**

Depth **4.7 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

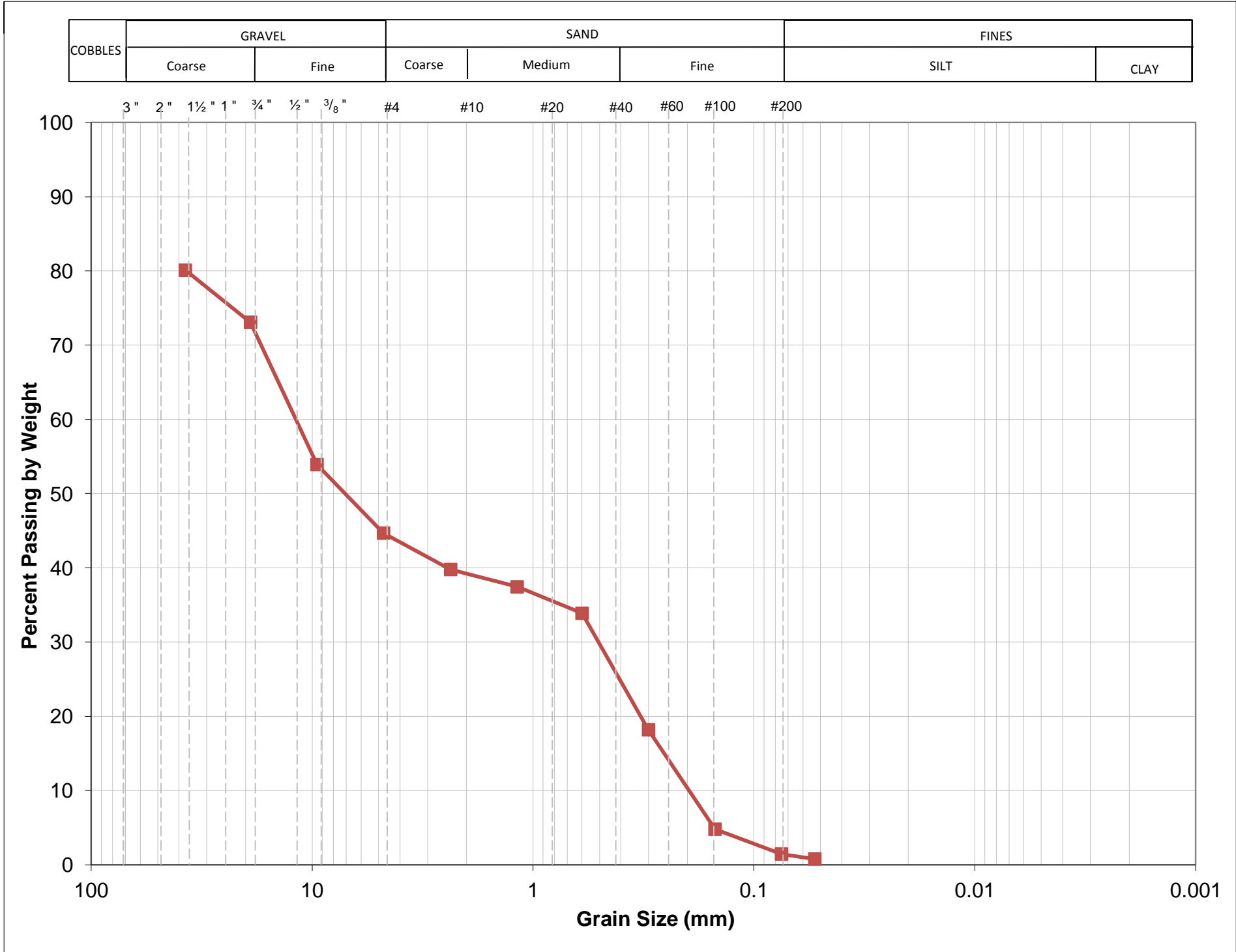
500

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	99.53	80.1
3/4"	19	35.08	73.1
3/8"	9.5	95.87	53.9
#4	4.75	46.15	44.7
#8	2.36	24.5	39.8
#14	1.18	11.69	37.4
#30	0.6	17.82	33.9
#48	0.3	78.48	18.2
#100	0.15	66.97	4.8
#200	0.075	16.67	1.4
#270	0.053	3.43	0.8
Pan		3.81	0.0

Gravel (%)	55.3
Sand (%)	43.2
Fines (%)	1.4

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-T-13-04**

Sample No. **ARD-01**

Depth **3.4 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

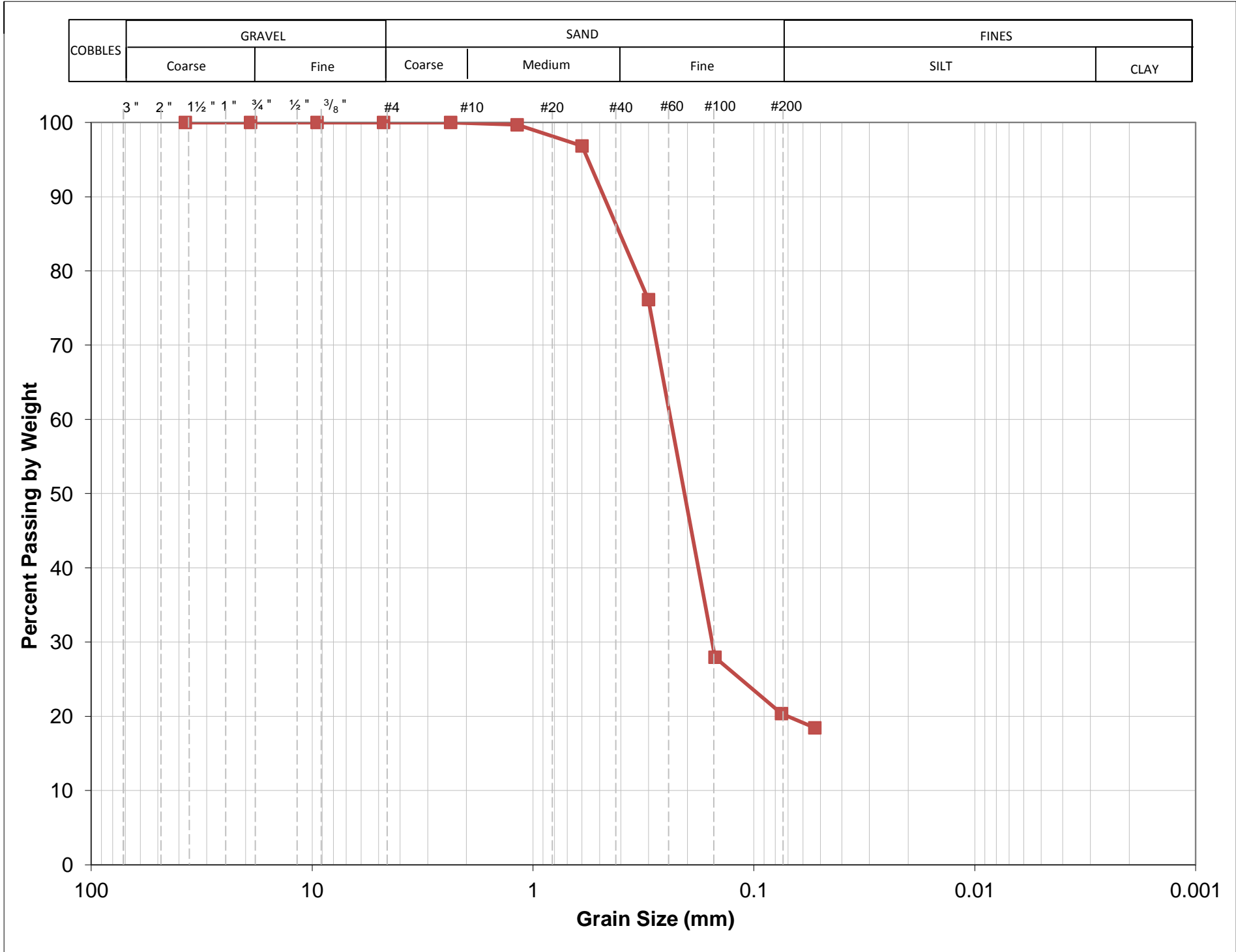
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	0	100.0
#14	1.18	0.32	99.7
#30	0.6	2.85	96.8
#48	0.3	20.7	76.1
#100	0.15	48.18	28.0
#200	0.075	7.59	20.4
#270	0.053	1.92	18.4
Pan		18.44	0.0

Gravel (%)	0.0
Sand (%)	79.6
Fines (%)	20.4

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-T-13-04**

Sample No. **ARD-02**

Depth **5.0 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

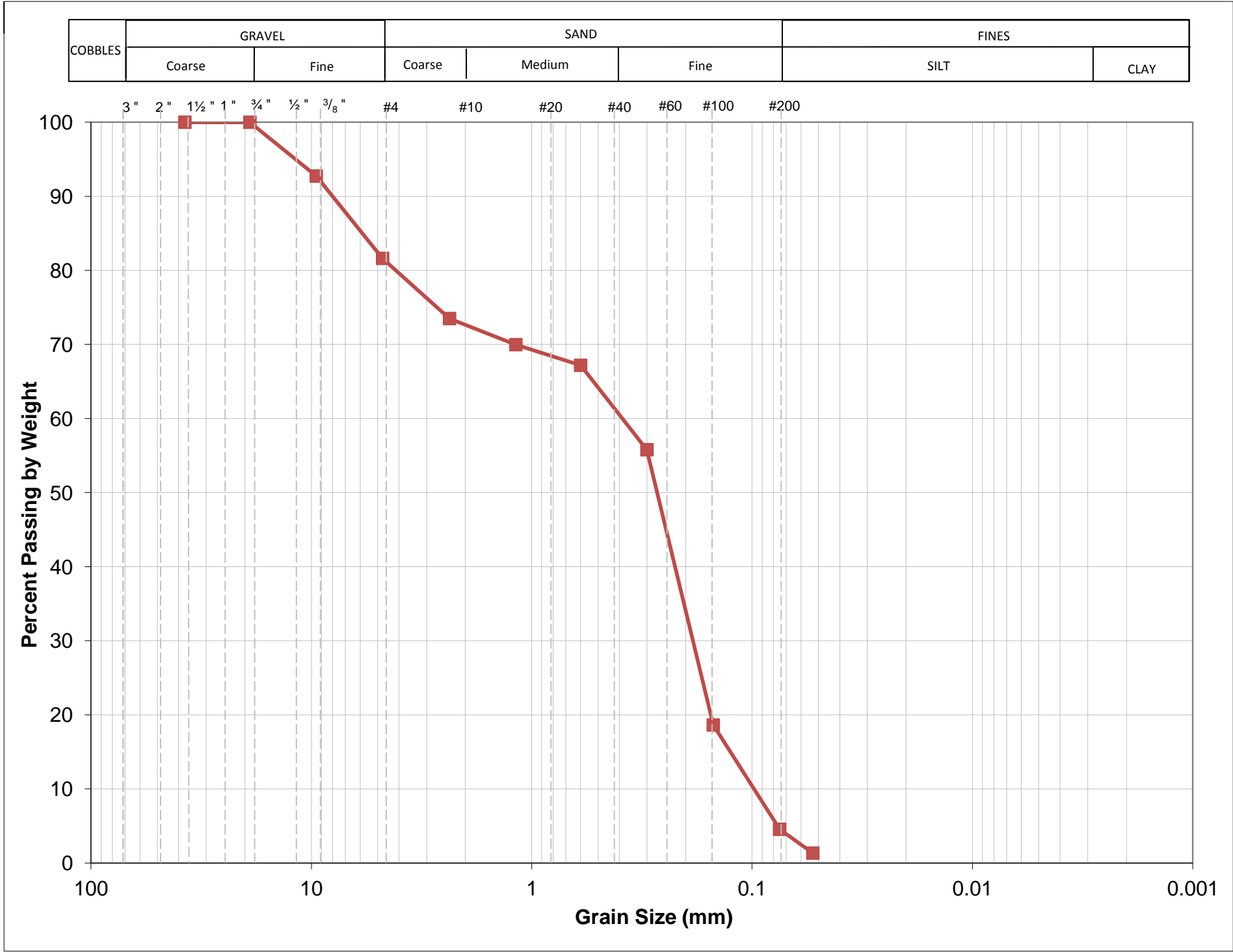
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	7.27	92.7
#4	4.75	11.11	81.6
#8	2.36	8.13	73.5
#14	1.18	3.52	70.0
#30	0.6	2.79	67.2
#48	0.3	11.39	55.8
#100	0.15	37.17	18.6
#200	0.075	14.08	4.5
#270	0.053	3.21	1.3
Pan		1.33	0.0

Gravel (%)	18.4
Sand (%)	77.1
Fines (%)	4.5

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-T-13-06**

Sample No. **ARD-02**

Depth **2.1 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

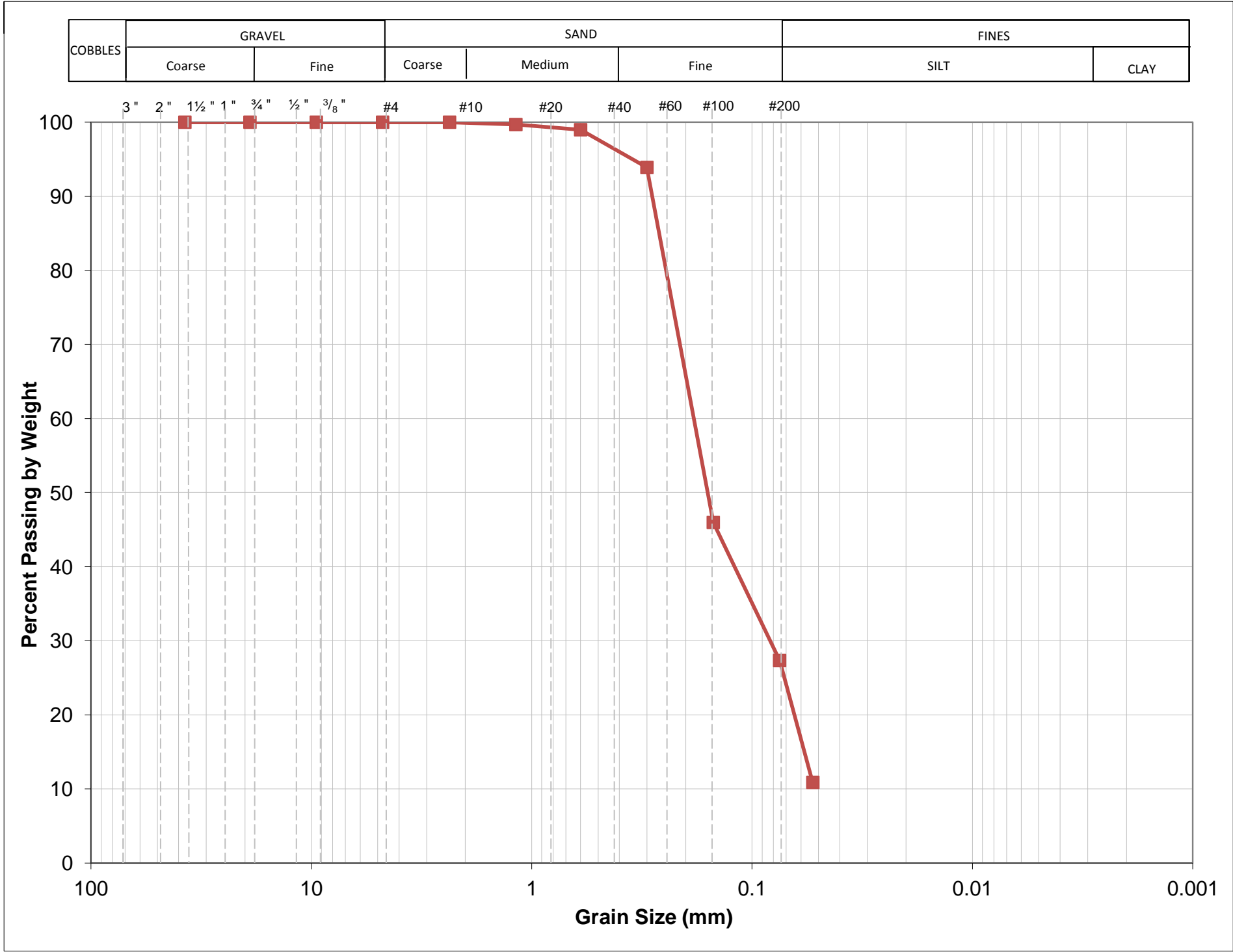
Sieve Initial weight (g)	100
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Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	0	100.0
#14	1.18	0.32	99.7
#30	0.6	0.7	99.0
#48	0.3	5.09	93.9
#100	0.15	47.92	46.0
#200	0.075	18.65	27.3
#270	0.053	16.44	10.9
Pan		10.88	0.0

Gravel (%)	0.0
Sand (%)	72.7
Fines (%)	27.3

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **BH-T-13-01**

Sample No. **ARD-01**

Depth **1.1 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

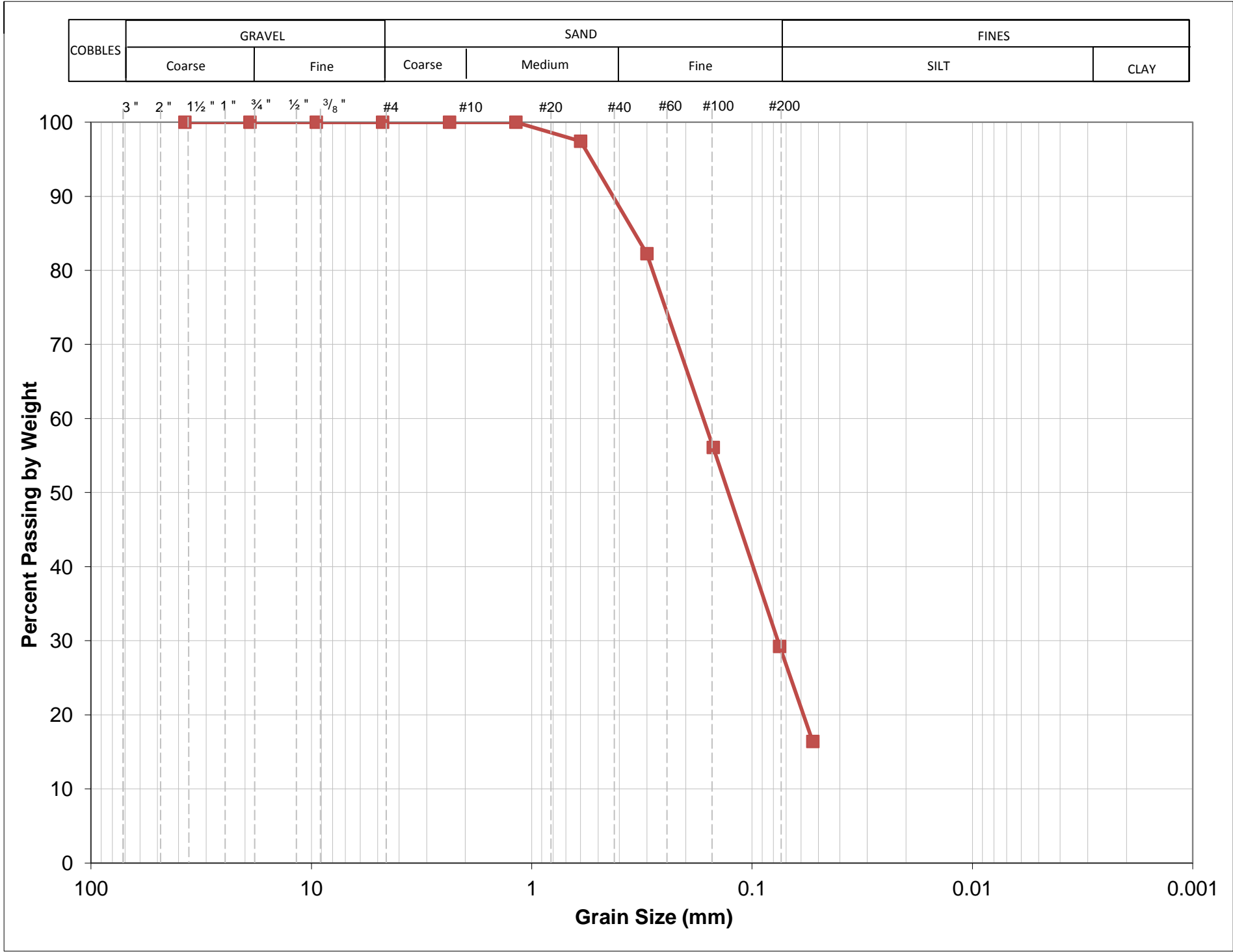
Sieve Initial weight (g)	100
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Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	0	100.0
#14	1.18	0	100.0
#30	0.6	2.57	97.4
#48	0.3	15.18	82.3
#100	0.15	26.16	56.1
#200	0.075	26.86	29.2
#270	0.053	12.83	16.4
Pan		16.4	0.0

Gravel (%)	0.0
Sand (%)	70.8
Fines (%)	29.2

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **BH-T-13-01**

Sample No. **ARD-03**

Depth **5.1 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

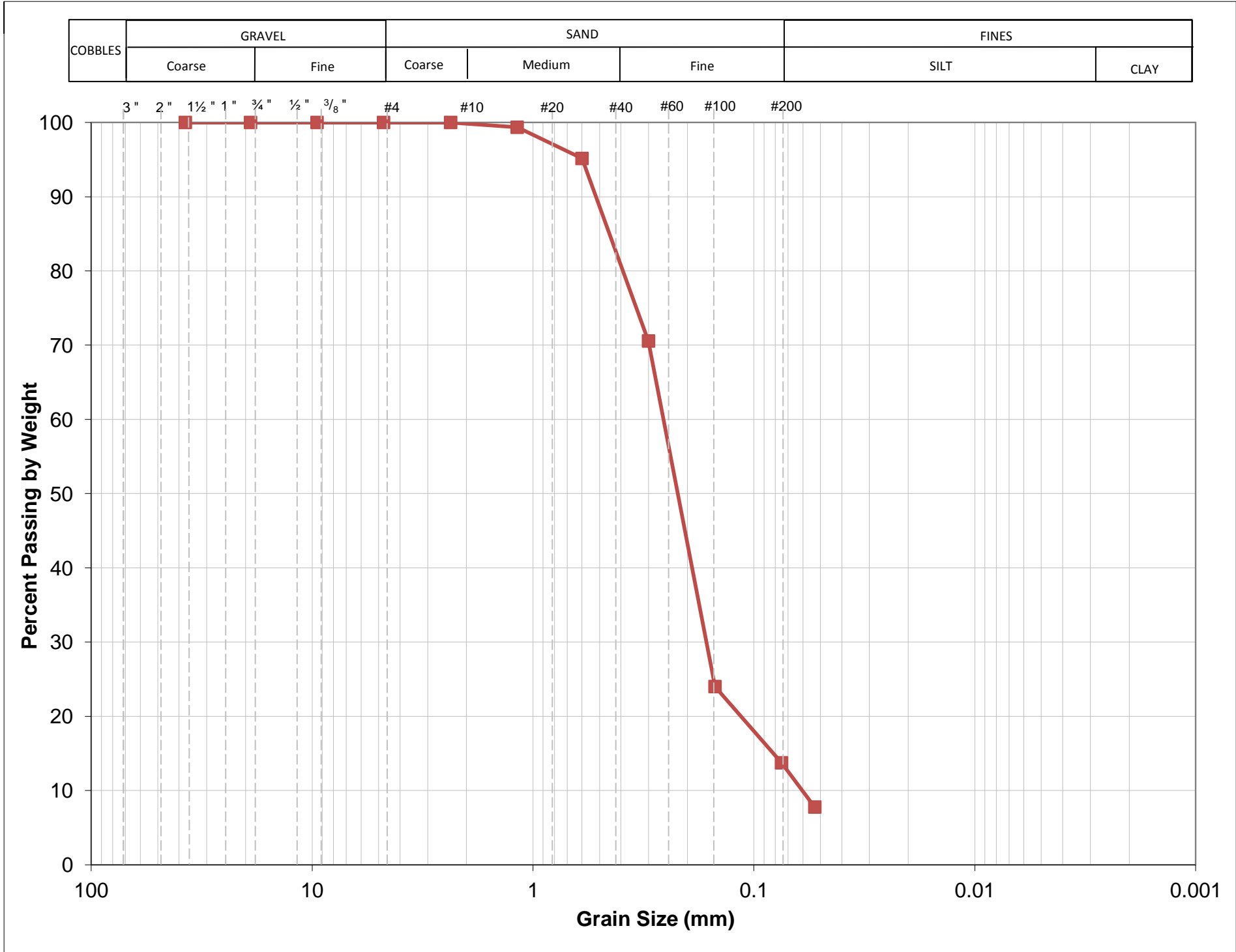
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	0	100.0
#14	1.18	0.65	99.4
#30	0.6	4.2	95.2
#48	0.3	24.59	70.6
#100	0.15	46.56	24.0
#200	0.075	10.27	13.7
#270	0.053	5.96	7.8
Pan		7.77	0.0

Gravel (%)	0.0
Sand (%)	86.3
Fines (%)	13.7

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **BH-T-13-01**

Sample No. **ARD-05**

Depth **8.1 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

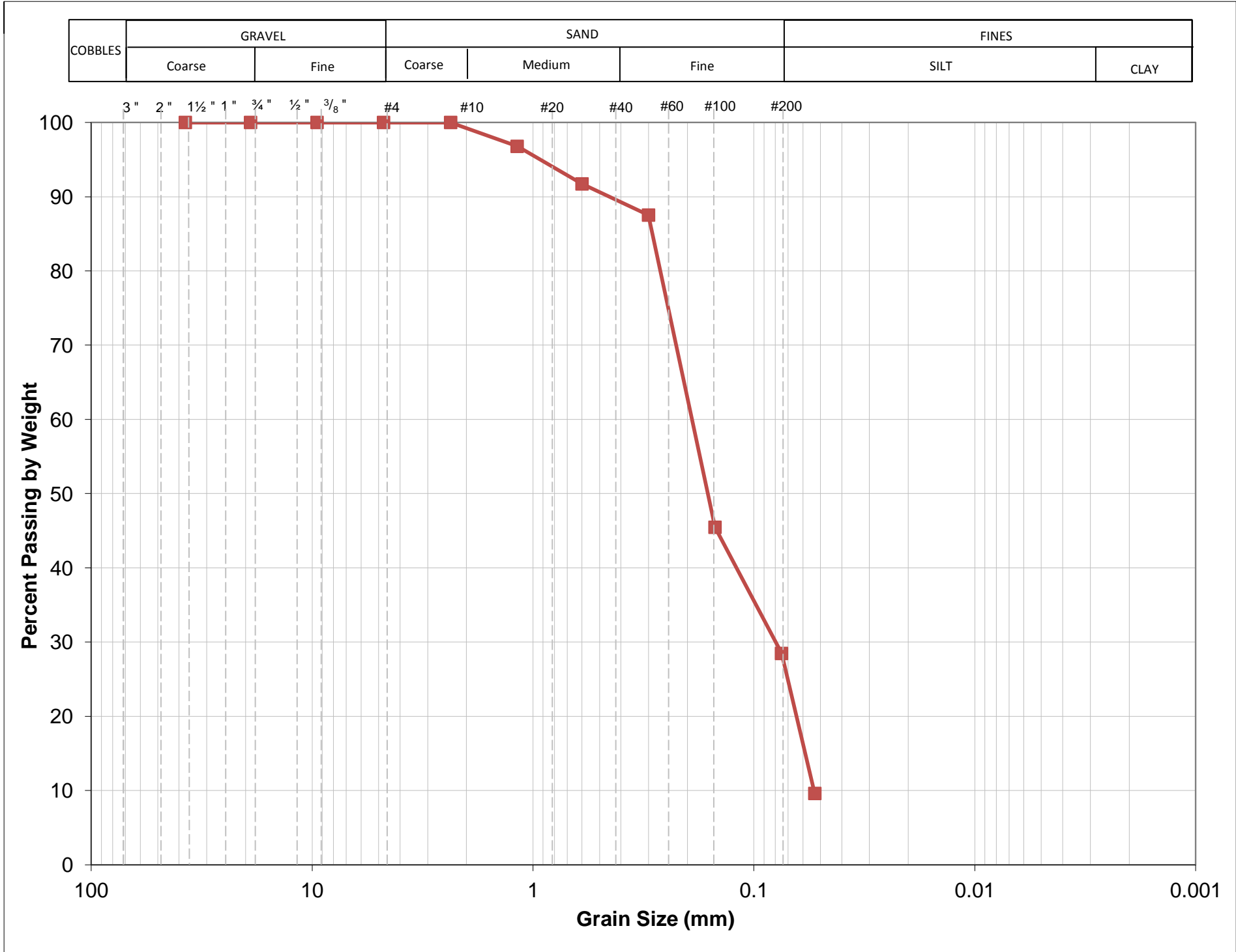
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	0	100.0
#14	1.18	3.22	96.8
#30	0.6	5.06	91.7
#48	0.3	4.2	87.5
#100	0.15	42.06	45.5
#200	0.075	17	28.5
#270	0.053	18.86	9.6
Pan		9.6	0.0

Gravel (%)	0.0
Sand (%)	71.5
Fines (%)	28.5

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **BH-T-13-02**

Sample No. **ARD-01**

Depth **2.1 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

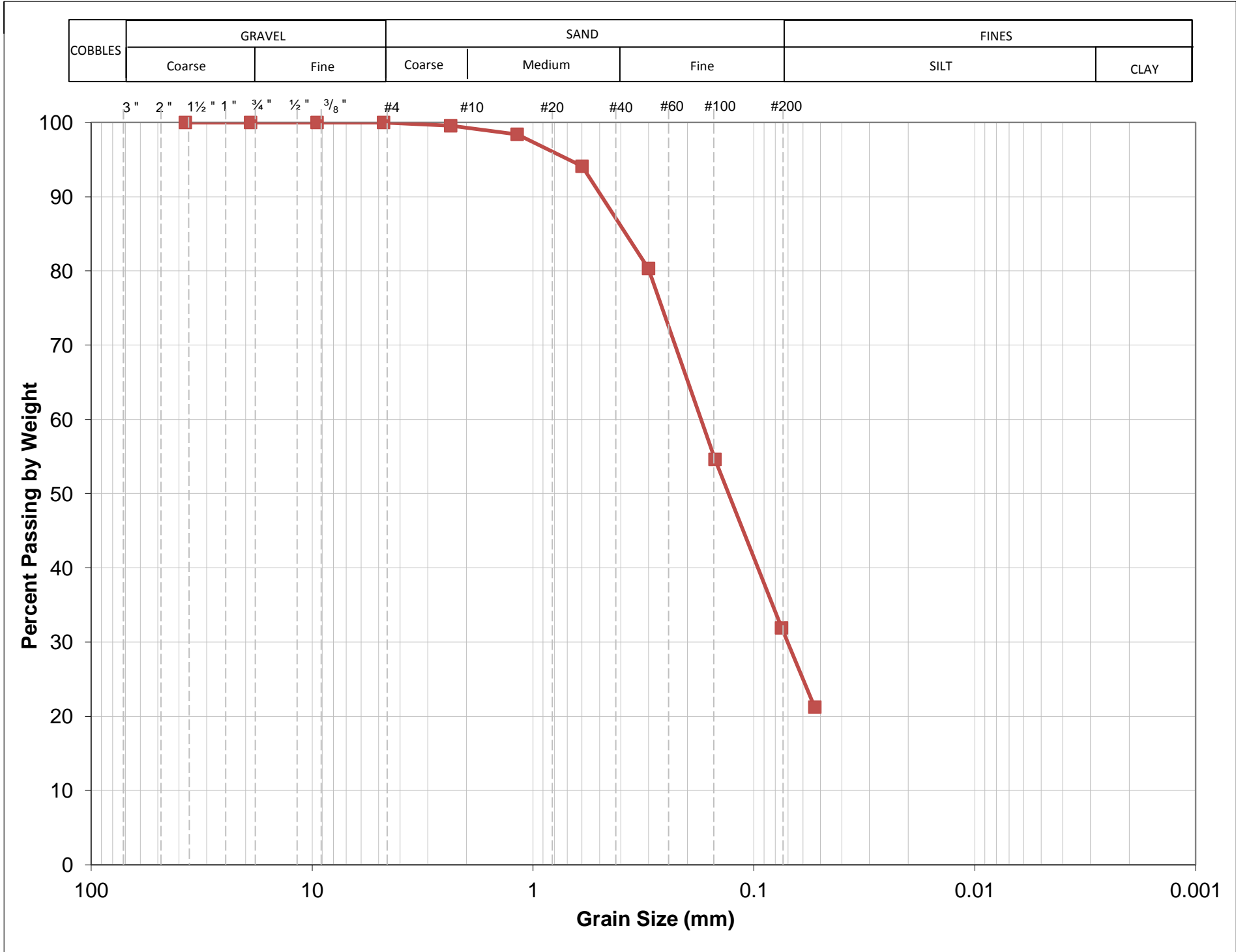
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	0.45	99.6
#14	1.18	1.14	98.4
#30	0.6	4.31	94.1
#48	0.3	13.77	80.3
#100	0.15	25.72	54.6
#200	0.075	22.7	31.9
#270	0.053	10.68	21.2
Pan		21.23	0.0

Gravel (%)	0.0
Sand (%)	68.1
Fines (%)	31.9

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **BH-T-13-02**

Sample No. **ARD-02**

Depth **3.5 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

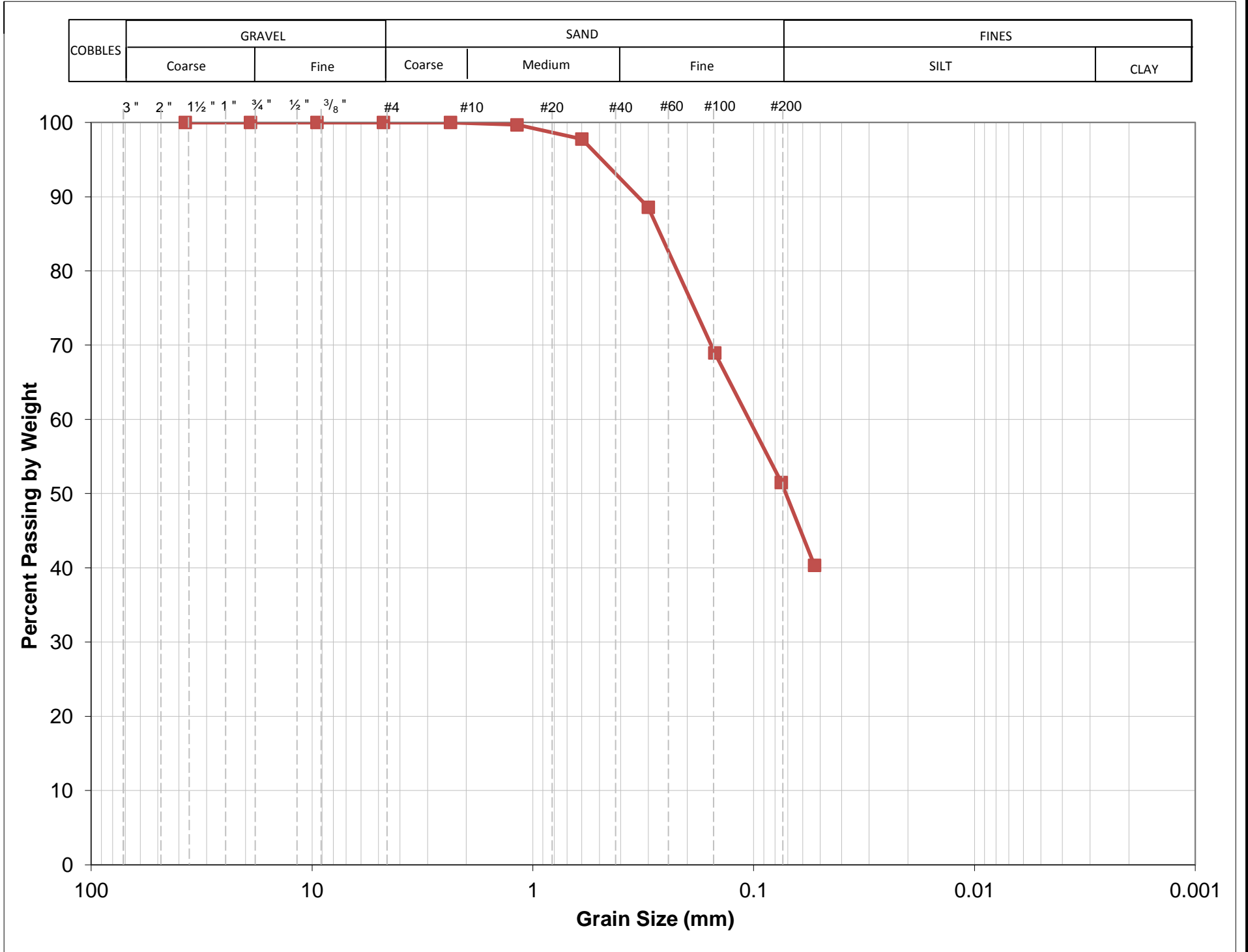
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	0	100.0
#14	1.18	0.33	99.7
#30	0.6	1.91	97.8
#48	0.3	9.19	88.6
#100	0.15	19.62	69.0
#200	0.075	17.46	51.5
#270	0.053	11.16	40.3
Pan		40.33	0.0

Gravel (%)	0.0
Sand (%)	48.5
Fines (%)	51.5

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **BH-T-13-02**

Sample No. **ARD-04**

Depth **6.5 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

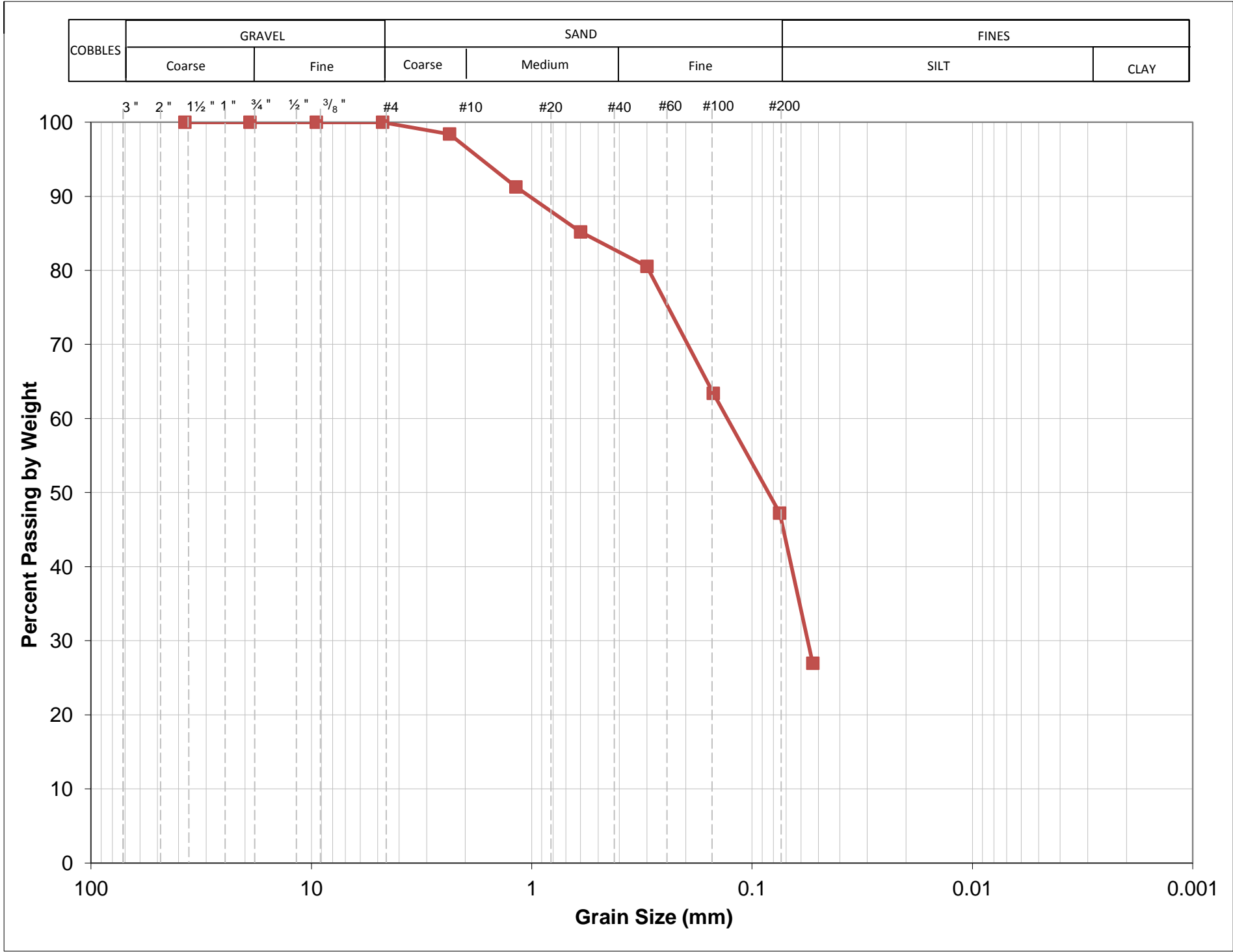
Sieve Initial weight (g)	100
--------------------------	-----

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	1.59	98.4
#14	1.18	7.15	91.3
#30	0.6	6.07	85.2
#48	0.3	4.65	80.5
#100	0.15	17.14	63.4
#200	0.075	16.17	47.2
#270	0.053	20.27	27.0
Pan		26.96	0.0

Gravel (%)	0.0
Sand (%)	52.8
Fines (%)	47.2

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **BH-T-13-02**

Sample No. **ARD-06**

Depth **9.5 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

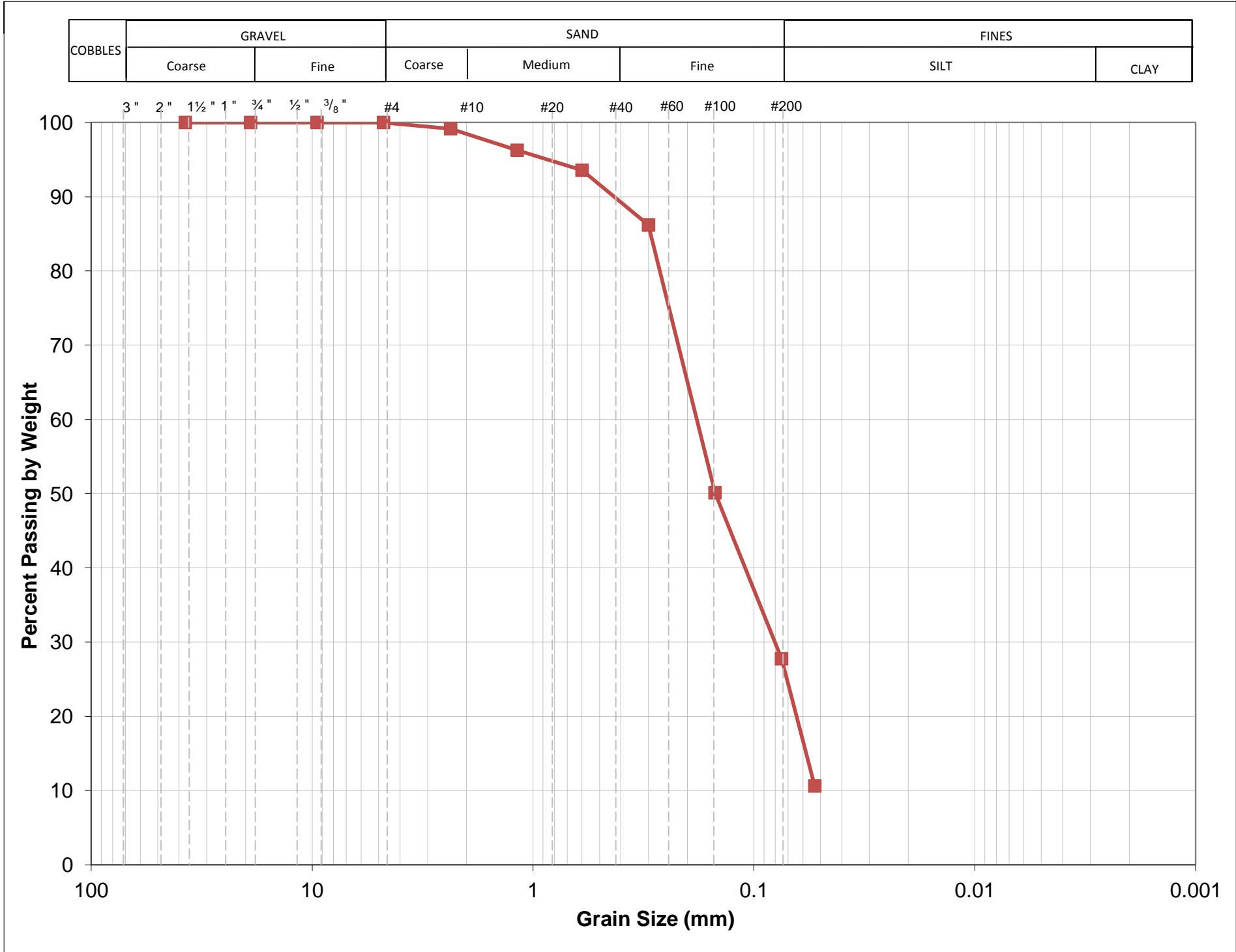
Sieve Initial weight (g)	100
--------------------------	-----

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	0.84	99.2
#14	1.18	2.91	96.3
#30	0.6	2.69	93.6
#48	0.3	7.38	86.2
#100	0.15	36.07	50.1
#200	0.075	22.37	27.7
#270	0.053	17.13	10.6
Pan		10.61	0.0

Gravel (%)	0.0
Sand (%)	72.3
Fines (%)	27.7

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **BH-T-13-02**

Sample No. **ARD-07**

Depth **11.1 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

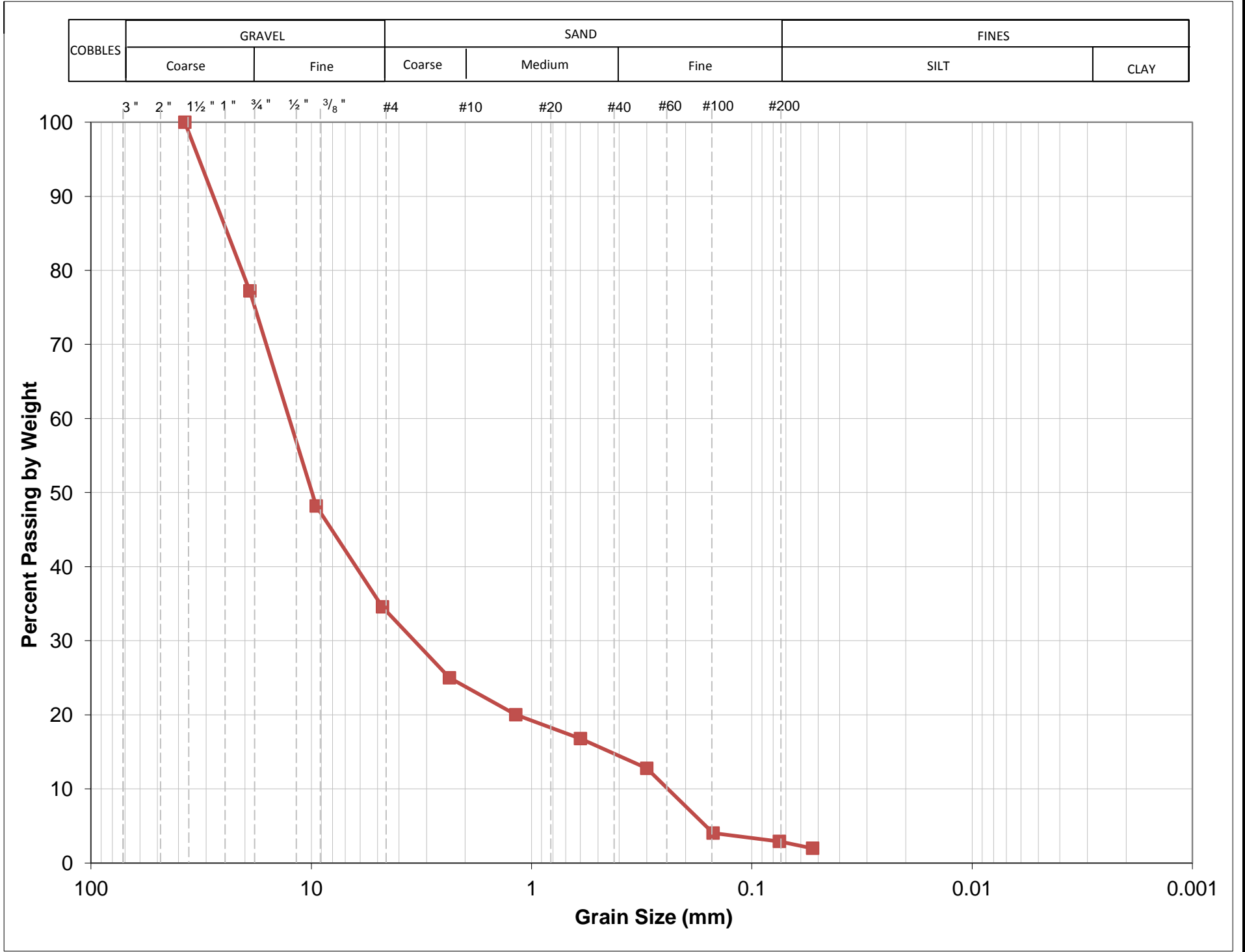
500

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	113.85	77.2
3/8"	9.5	145.2	48.2
#4	4.75	68.05	34.6
#8	2.36	47.91	25.0
#14	1.18	24.92	20.0
#30	0.6	16.1	16.8
#48	0.3	20.08	12.8
#100	0.15	43.71	4.0
#200	0.075	5.6	2.9
#270	0.053	4.63	2.0
Pan		9.95	0.0

Gravel (%)	65.4
Sand (%)	31.7
Fines (%)	2.9

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **BH-T-13-03**

Sample No. **ARD-02**

Depth **6.5 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

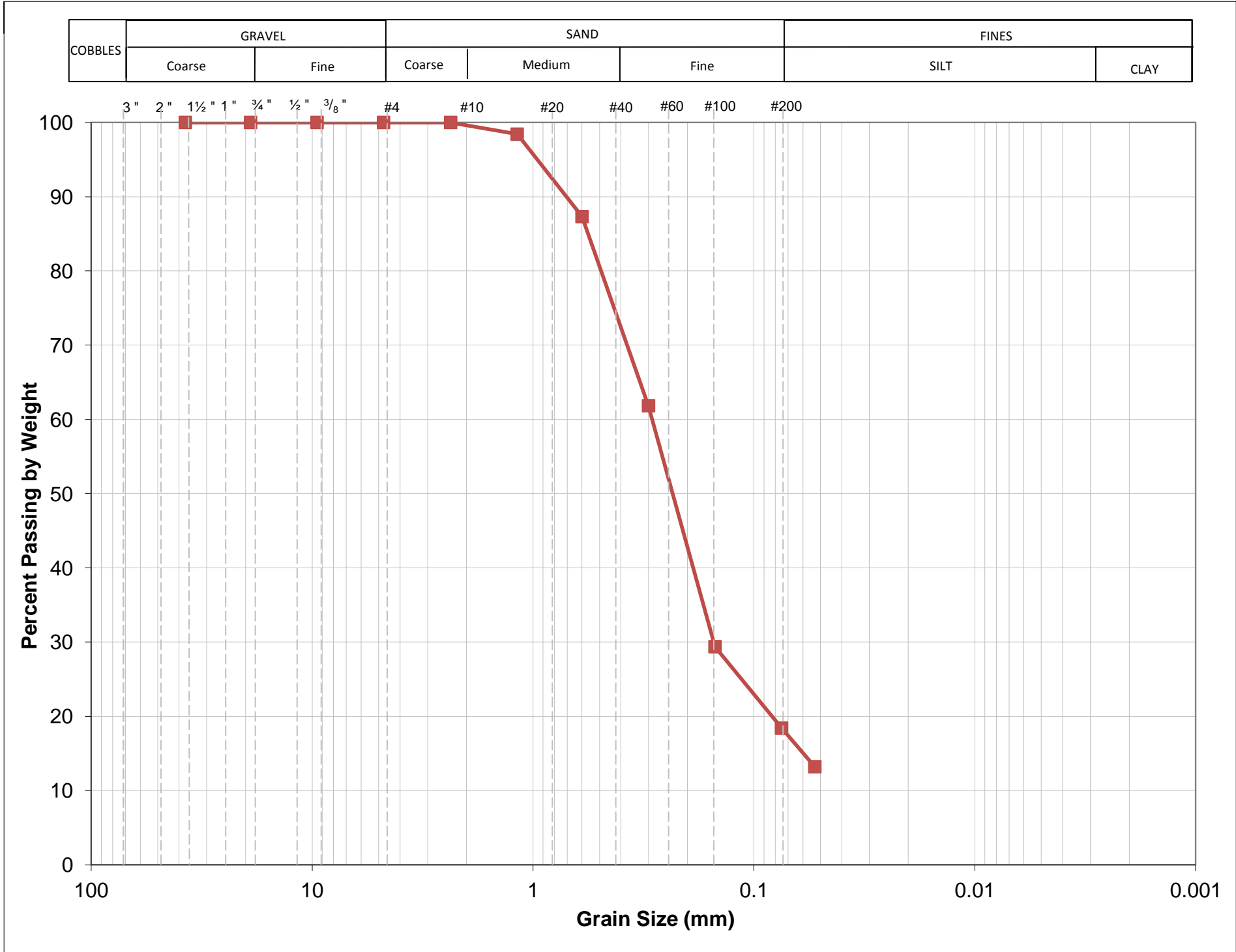
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	0	100.0
#14	1.18	1.58	98.4
#30	0.6	11.1	87.3
#48	0.3	25.48	61.8
#100	0.15	32.47	29.4
#200	0.075	10.97	18.4
#270	0.053	5.2	13.2
Pan		13.2	0.0

Gravel (%)	0.0
Sand (%)	81.6
Fines (%)	18.4

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **BH-T-13-04**

Sample No. **ARD-02**

Depth **7.0 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

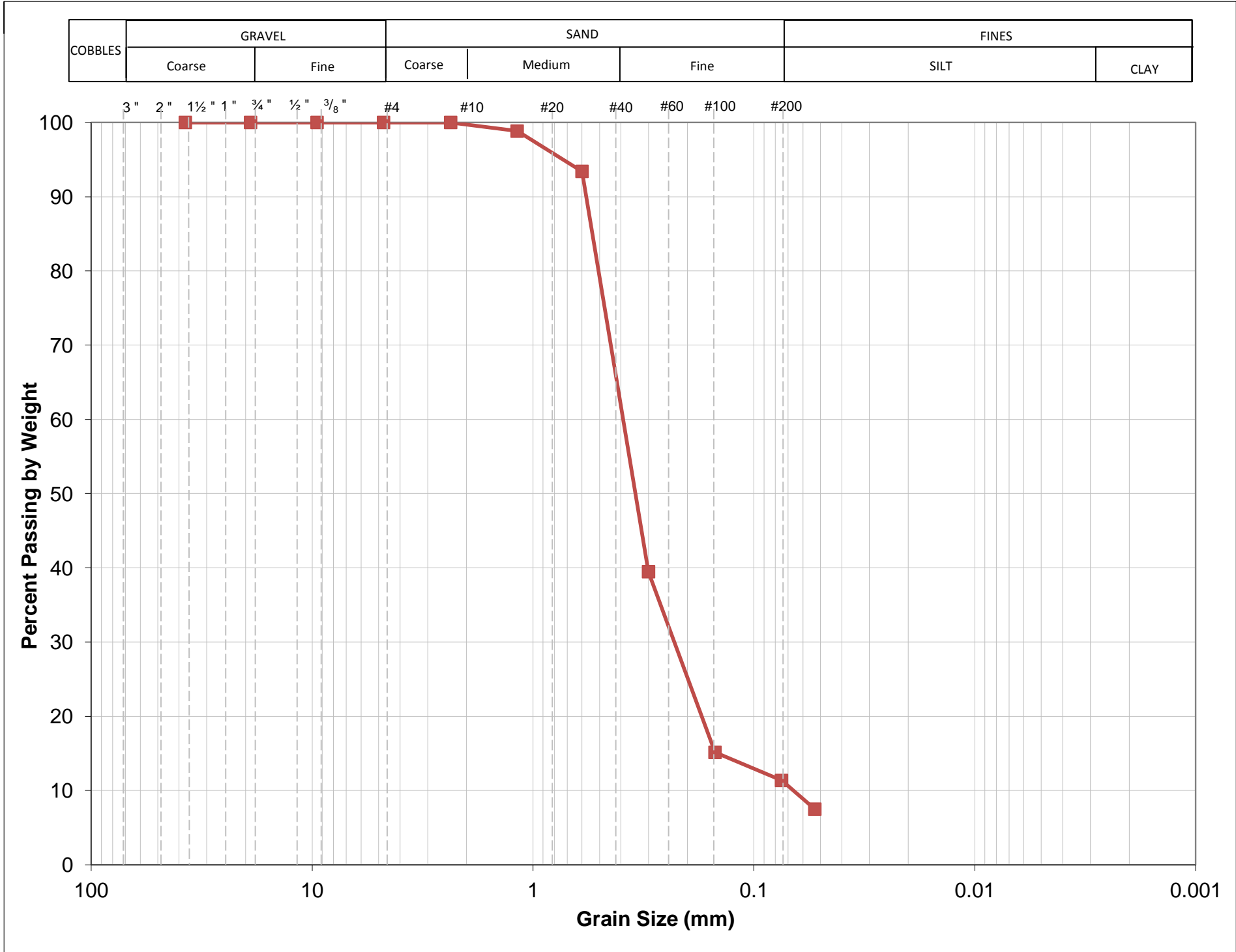
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	0	100.0
#14	1.18	1.17	98.8
#30	0.6	5.42	93.4
#48	0.3	53.93	39.5
#100	0.15	24.35	15.1
#200	0.075	3.78	11.4
#270	0.053	3.86	7.5
Pan		7.49	0.0

Gravel (%)	0.0
Sand (%)	88.7
Fines (%)	11.4

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project

Mount Nansen - 2013 Site Investigation

Project No.

VM00605

Sample Information

Borehole ID

BH-T-13-04

Sample No.

ARD-04

Depth

10.6 m

Location

TSF-Tailings

Date

December 5, 2013

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

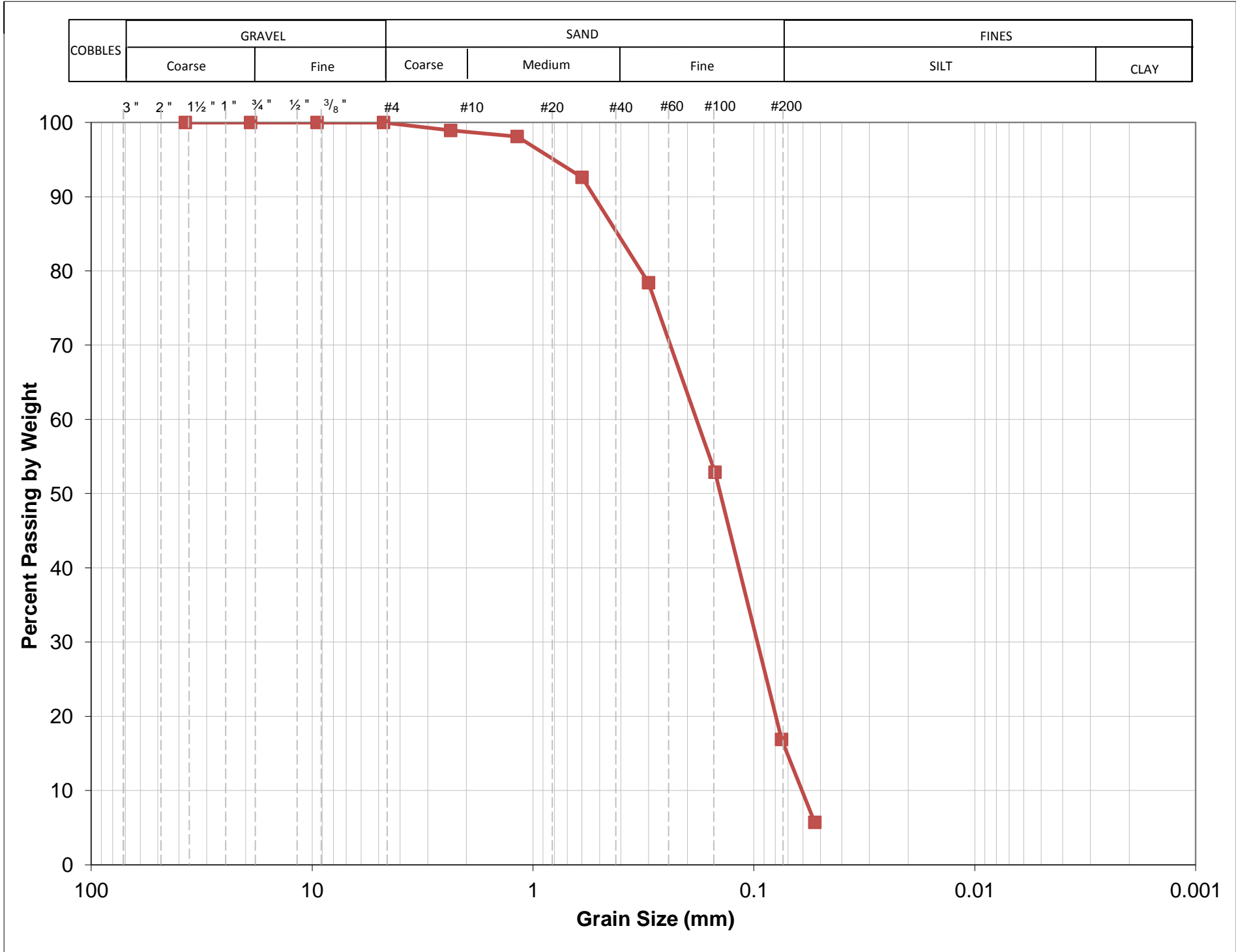
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	1.08	98.9
#14	1.18	0.81	98.1
#30	0.6	5.5	92.6
#48	0.3	14.2	78.4
#100	0.15	25.53	52.9
#200	0.075	36	16.9
#270	0.053	11.17	5.7
Pan		5.71	0.0

Gravel (%)	0.0
Sand (%)	83.1
Fines (%)	16.9

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project

Mount Nansen - 2013 Site Investigation

Project No.

VM00605

Sample Information

Borehole ID

BH-T-13-04

Sample No.

ARD-06

Depth

13.6 m

Location

TSF-Tailings

Date

December 5, 2013

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

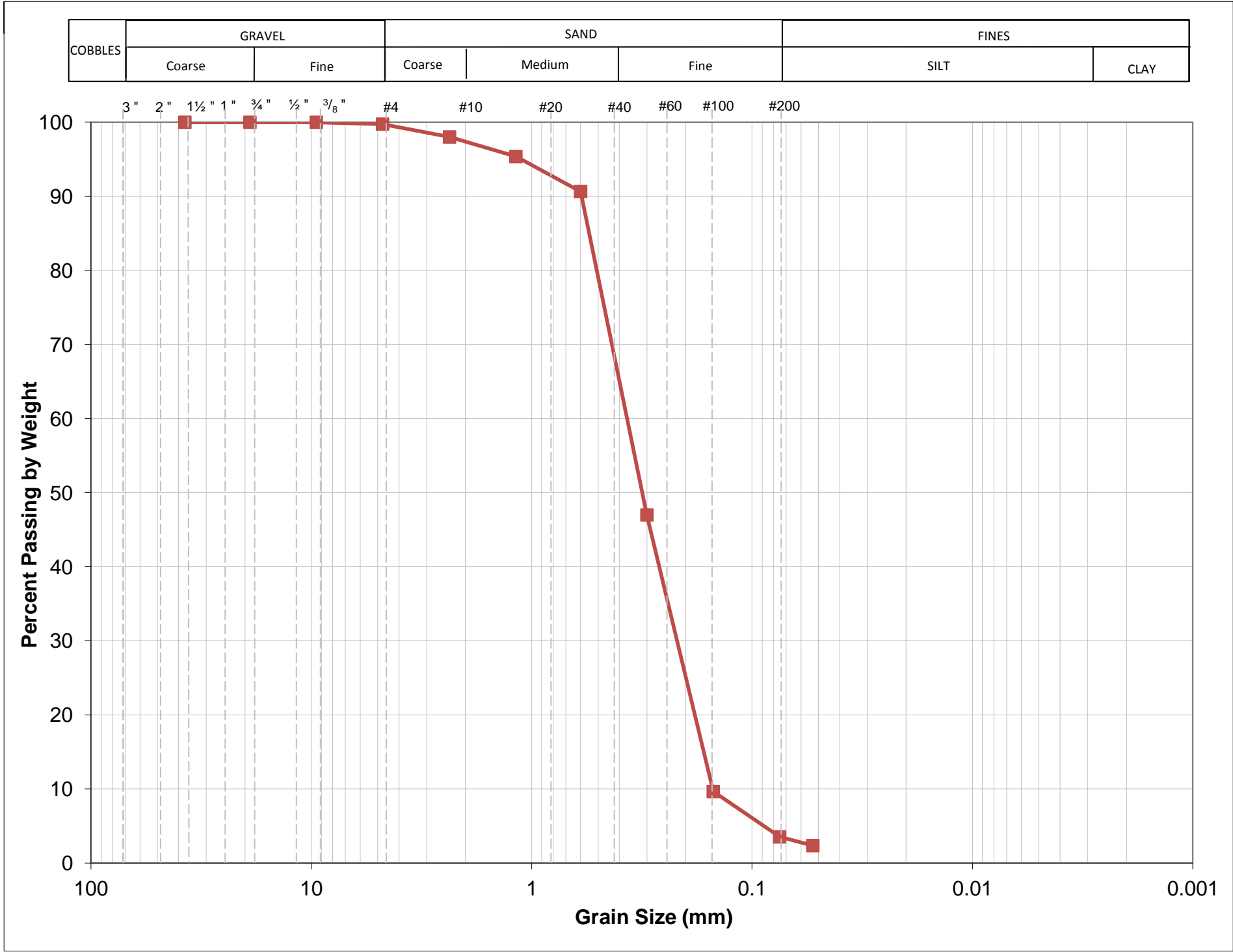
Sieve Initial weight (g)	100
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Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0.25	99.8
#8	2.36	1.74	98.0
#14	1.18	2.66	95.4
#30	0.6	4.7	90.7
#48	0.3	43.67	47.0
#100	0.15	37.34	9.6
#200	0.075	6.12	3.5
#270	0.053	1.18	2.3
Pan		2.34	0.0

Gravel (%)	0.3
Sand (%)	96.2
Fines (%)	3.5

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **BH-T-13-04**

Sample No. **ARD-08**

Depth **17.1 m**

Location **TSF-Tailings**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

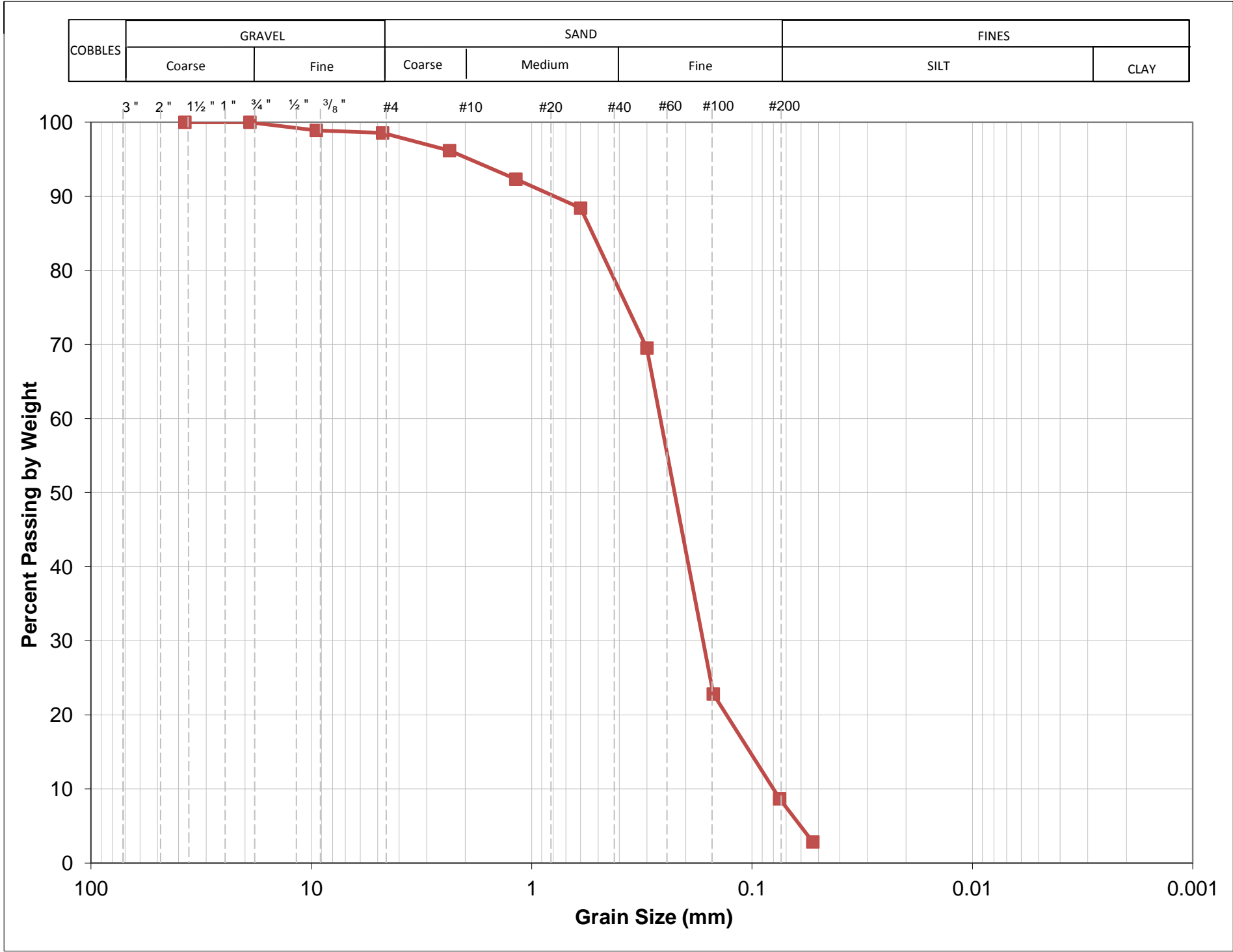
Sieve Initial weight (g)	100
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Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	1.12	98.9
#4	4.75	0.33	98.6
#8	2.36	2.39	96.2
#14	1.18	3.86	92.3
#30	0.6	3.9	88.4
#48	0.3	18.9	69.5
#100	0.15	46.7	22.8
#200	0.075	14.14	8.7
#270	0.053	5.82	2.8
Pan		2.84	0.0

Gravel (%)	1.5
Sand (%)	89.9
Fines (%)	8.7

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project

Mount Nansen - 2013 Site Investigation

Project No.

VM00605

Sample Information

Borehole ID

TP-WA-13-02

Sample No.

ARD-02

Depth

2.1 m

Location

Waste Area

Date

December 5, 2013

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

500

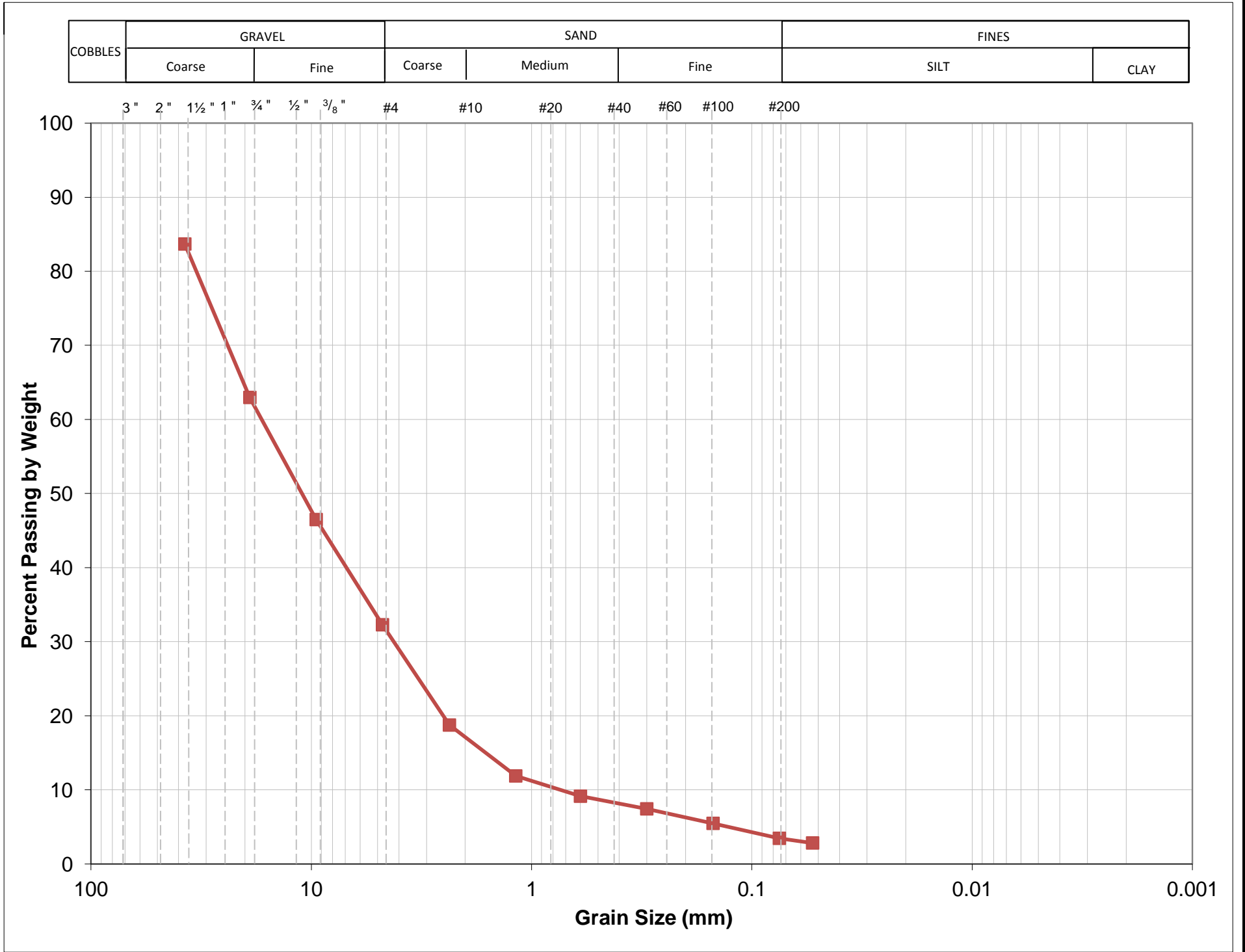
Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	81.58	83.7
3/4"	19	103.57	63.0
3/8"	9.5	82.43	46.5
#4	4.75	71.01	32.3
#8	2.36	67.69	18.7
#14	1.18	34.37	11.9
#30	0.6	13.66	9.1
#48	0.3	8.55	7.4
#100	0.15	9.78	5.5
#200	0.075	10.09	3.5
#270	0.053	3.14	2.8
Pan		14.13	0.0

Gravel (%)	67.7
Sand (%)	28.8
Fines (%)	3.5

Notes:

1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-WA-13-03**

Sample No. **ARD-02**

Depth **2.0 m**

Location **Waste Area**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

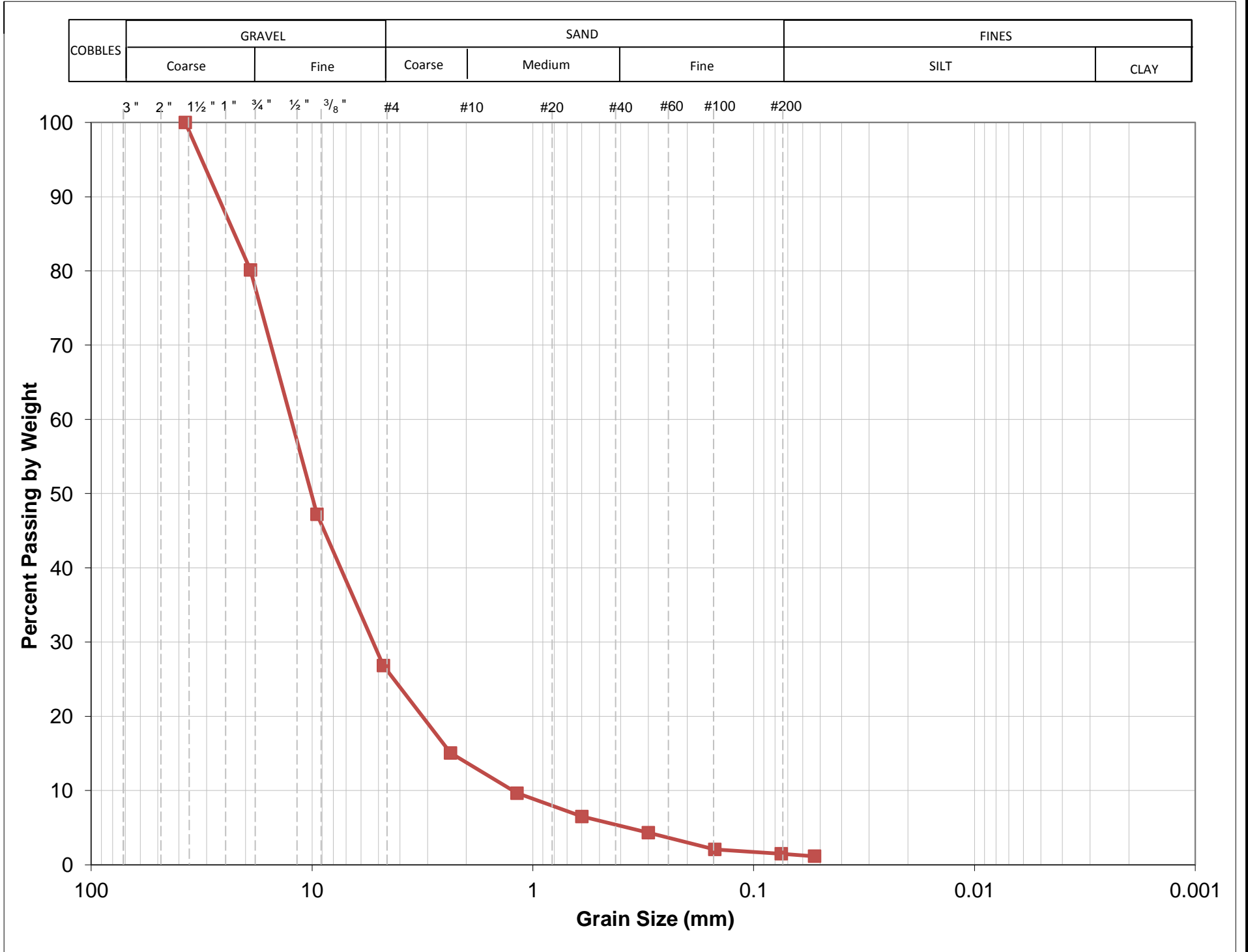
500

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	99.34	80.1
3/8"	9.5	164.6	47.2
#4	4.75	101.89	26.8
#8	2.36	58.9	15.1
#14	1.18	27.1	9.6
#30	0.6	15.7	6.5
#48	0.3	10.87	4.3
#100	0.15	11.27	2.1
#200	0.075	2.92	1.5
#270	0.053	1.63	1.2
Pan		5.78	0.0

Gravel (%)	73.2
Sand (%)	25.4
Fines (%)	1.5

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-WA-13-05**

Sample No. **ARD-02**

Depth **2.0 m**

Location **Waste Area**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

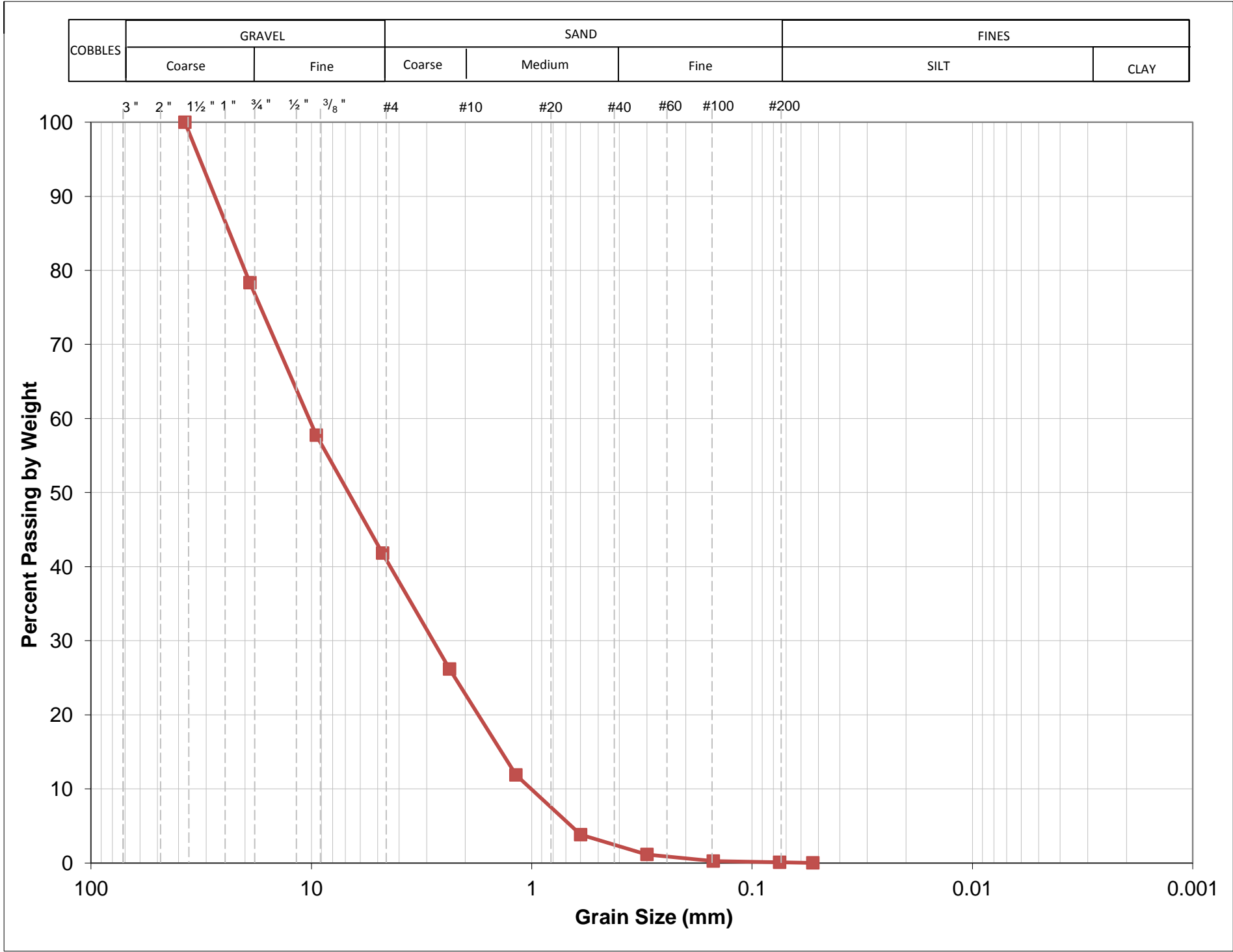
530

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	114.8	78.3
3/8"	9.5	109.1	57.8
#4	4.75	84.37	41.8
#8	2.36	82.95	26.2
#14	1.18	75.77	11.9
#30	0.6	42.76	3.8
#48	0.3	14.15	1.2
#100	0.15	4.73	0.3
#200	0.075	0.87	0.1
#270	0.053	0.4	0.0
Pan		0.1	0.0

Gravel (%)	58.2
Sand (%)	41.7
Fines (%)	0.1

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-WA-13-06**

Sample No. **ARD-01**

Depth **1.0 m**

Location **Waste Area**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

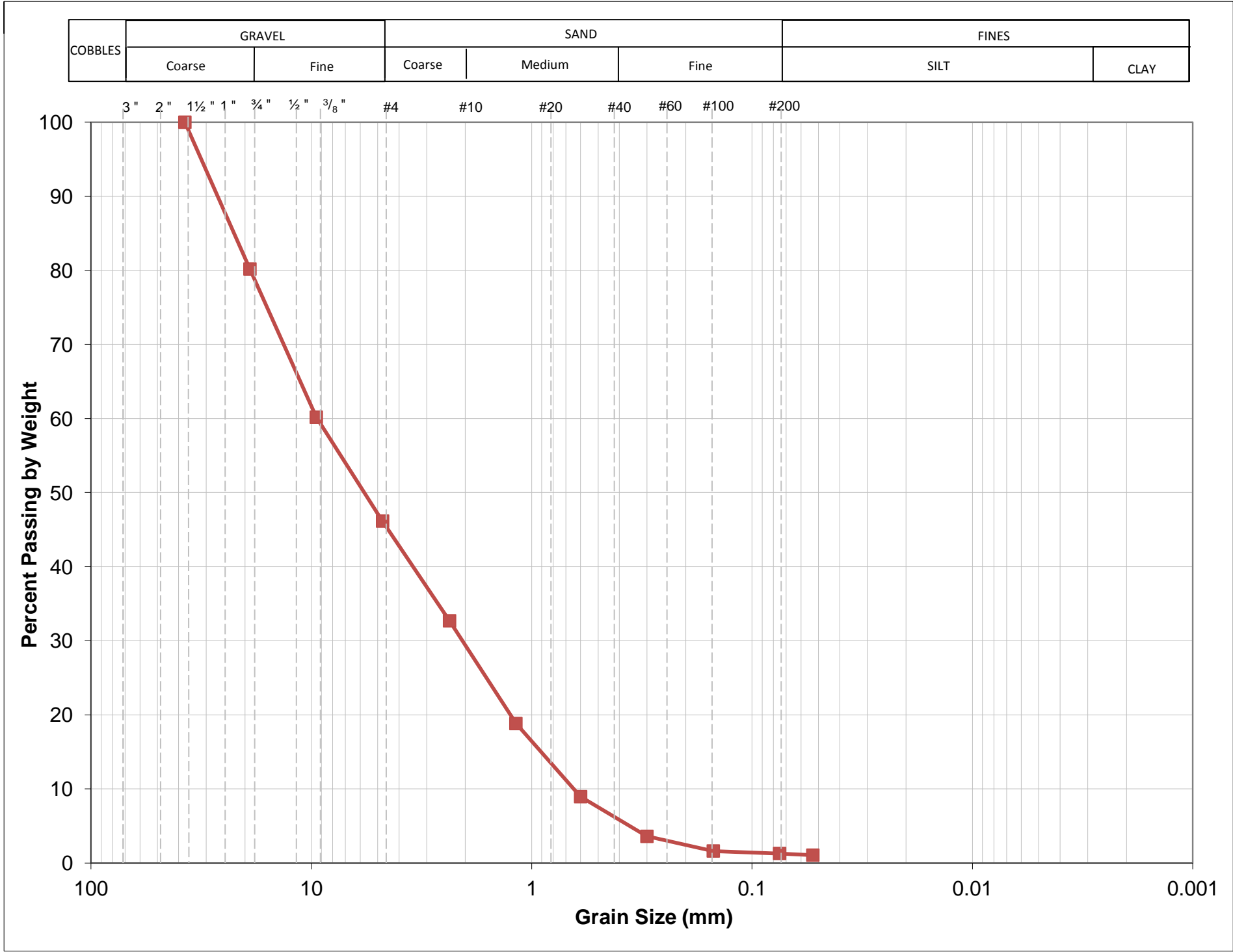
Sieve Initial weight (g)	500
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Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	99.09	80.2
3/8"	9.5	100.06	60.2
#4	4.75	70.12	46.1
#8	2.36	67.28	32.7
#14	1.18	69.36	18.8
#30	0.6	49.35	8.9
#48	0.3	26.78	3.6
#100	0.15	9.88	1.6
#200	0.075	1.68	1.3
#270	0.053	1.14	1.1
Pan		5.26	0.0

Gravel (%)	53.9
Sand (%)	44.9
Fines (%)	1.3

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project

Mount Nansen - 2013 Site Investigation

Project No.

VM00605

Sample Information

Borehole ID

TP-WA-13-06

Sample No.

ARD-04

Depth

4.0 m

Location

Waste Area

Date

December 5, 2013

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

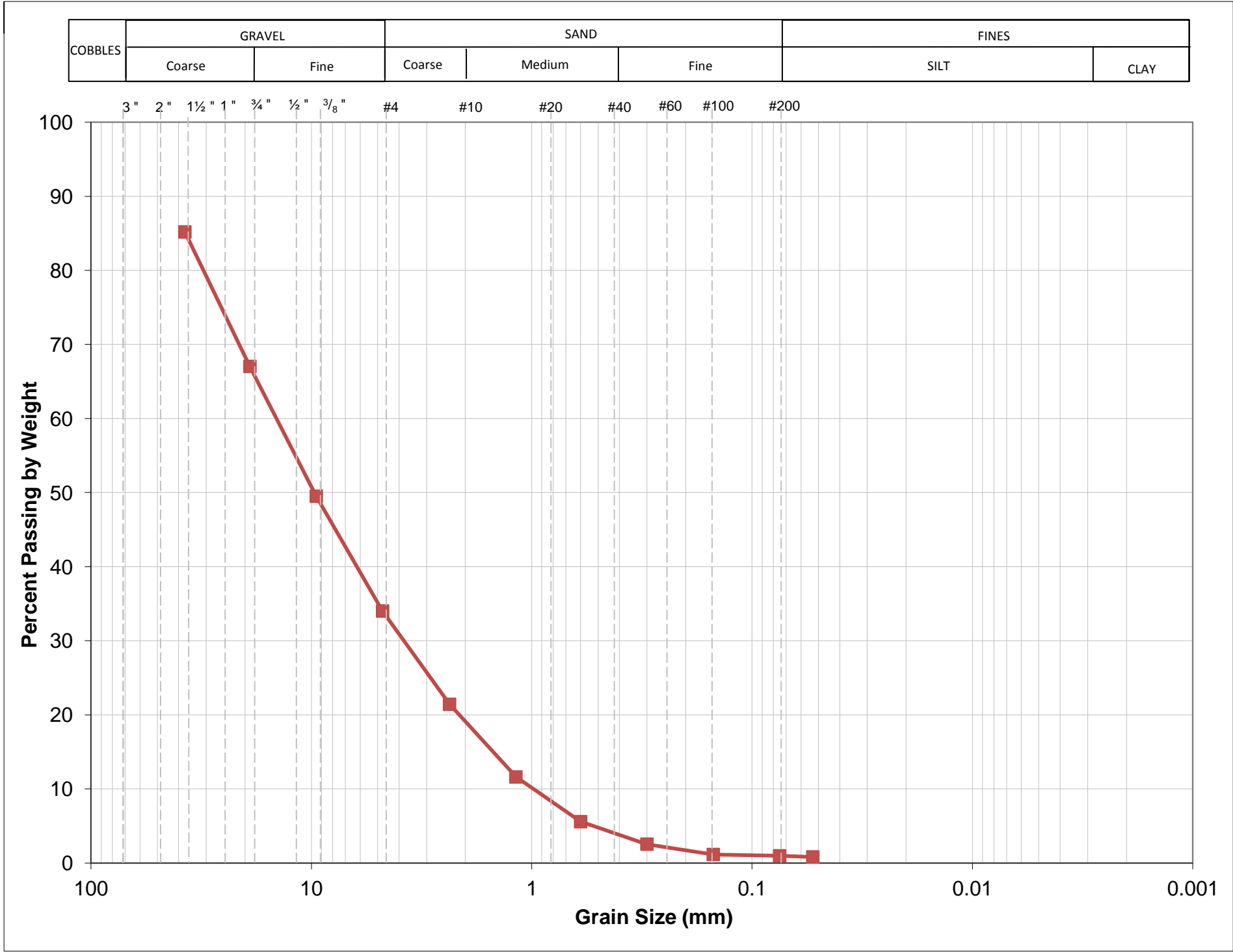
500

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	74.07	85.2
3/4"	19	90.77	67.0
3/8"	9.5	87.63	49.5
#4	4.75	77.47	34.0
#8	2.36	62.98	21.4
#14	1.18	49.04	11.6
#30	0.6	30.17	5.6
#48	0.3	15.17	2.5
#100	0.15	6.99	1.1
#200	0.075	0.89	1.0
#270	0.053	0.73	0.8
Pan		4.09	0.0

Gravel (%)	66.0
Sand (%)	33.0
Fines (%)	1.0

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-WA-13-08**

Sample No. **ARD-02**

Depth **2.0 m**

Location **Waste Area**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

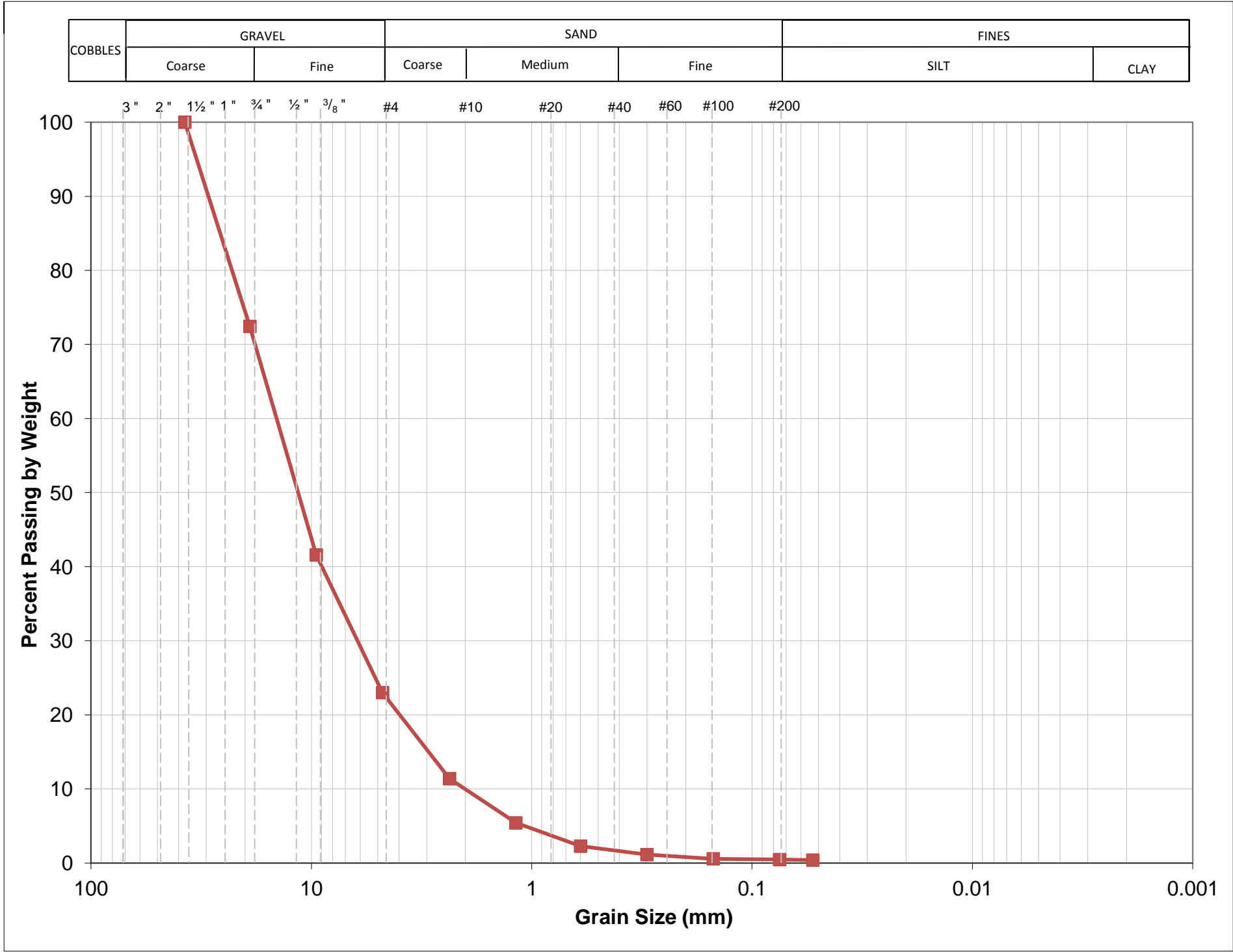
Sieve Initial weight (g)	500
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Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	137.85	72.4
3/8"	9.5	154.26	41.6
#4	4.75	92.93	23.0
#8	2.36	58.11	11.4
#14	1.18	29.83	5.4
#30	0.6	15.72	2.3
#48	0.3	5.68	1.1
#100	0.15	2.84	0.6
#200	0.075	0.54	0.4
#270	0.053	0.35	0.4
Pan		1.89	0.0

Gravel (%)	77.0
Sand (%)	22.5
Fines (%)	0.4

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-WA-13-09**

Sample No. **ARD-04**

Depth **3.0 m**

Location **Waste Area**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

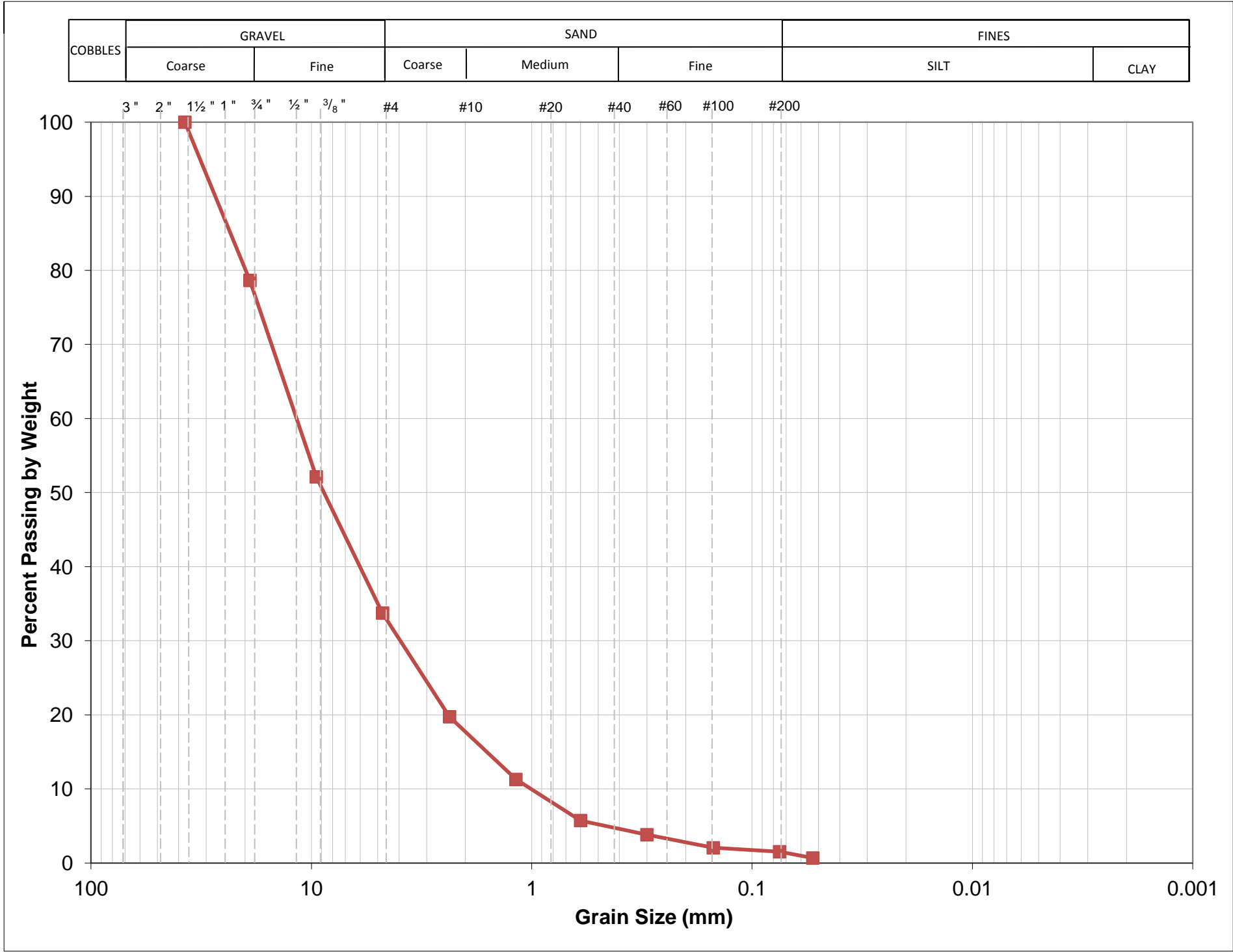
Sieve Initial weight (g)	505
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Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	107.87	78.6
3/8"	9.5	133.93	52.1
#4	4.75	92.86	33.7
#8	2.36	70.7	19.7
#14	1.18	42.75	11.3
#30	0.6	27.99	5.7
#48	0.3	9.67	3.8
#100	0.15	8.94	2.0
#200	0.075	2.68	1.5
#270	0.053	4.27	0.7
Pan		3.34	0.0

Gravel (%)	66.3
Sand (%)	32.2
Fines (%)	1.5

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **TP-WA-13-10**

Sample No. **ARD-02**

Depth **2.0 m**

Location **Waste Area**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

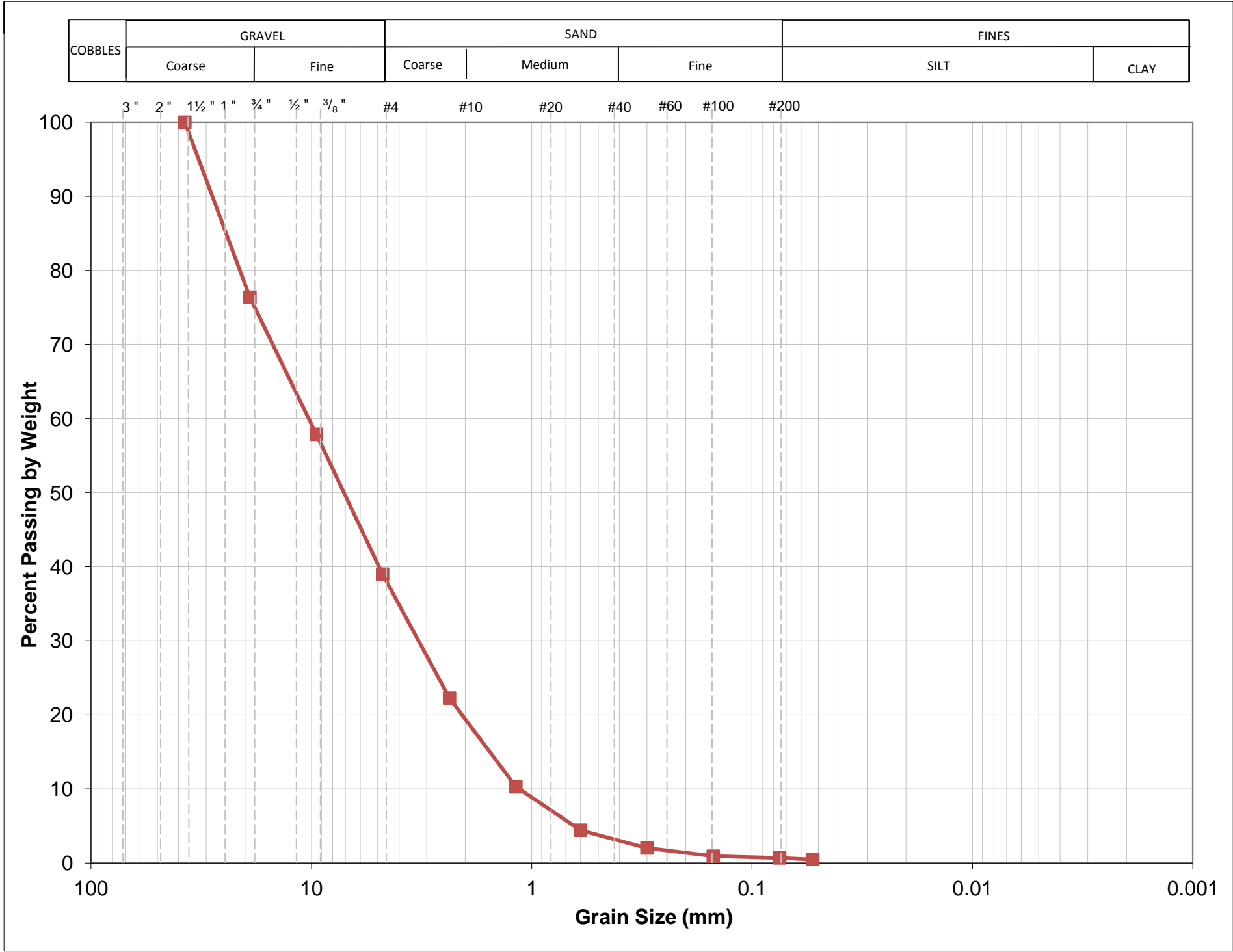
500

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	118.14	76.4
3/8"	9.5	92.49	57.9
#4	4.75	94.41	39.0
#8	2.36	83.72	22.2
#14	1.18	59.87	10.3
#30	0.6	29.26	4.4
#48	0.3	11.99	2.0
#100	0.15	5.55	0.9
#200	0.075	1.18	0.7
#270	0.053	1.01	0.5
Pan		2.38	0.0

Gravel (%)	61.0
Sand (%)	38.3
Fines (%)	0.7

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project

Mount Nansen - 2013 Site Investigation

Project No.

VM00605

Sample Information

Borehole ID

TP-WA-13-11

Sample No.

ARD-02

Depth

2.0 m

Location

Waste Area

Date

December 5, 2013

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

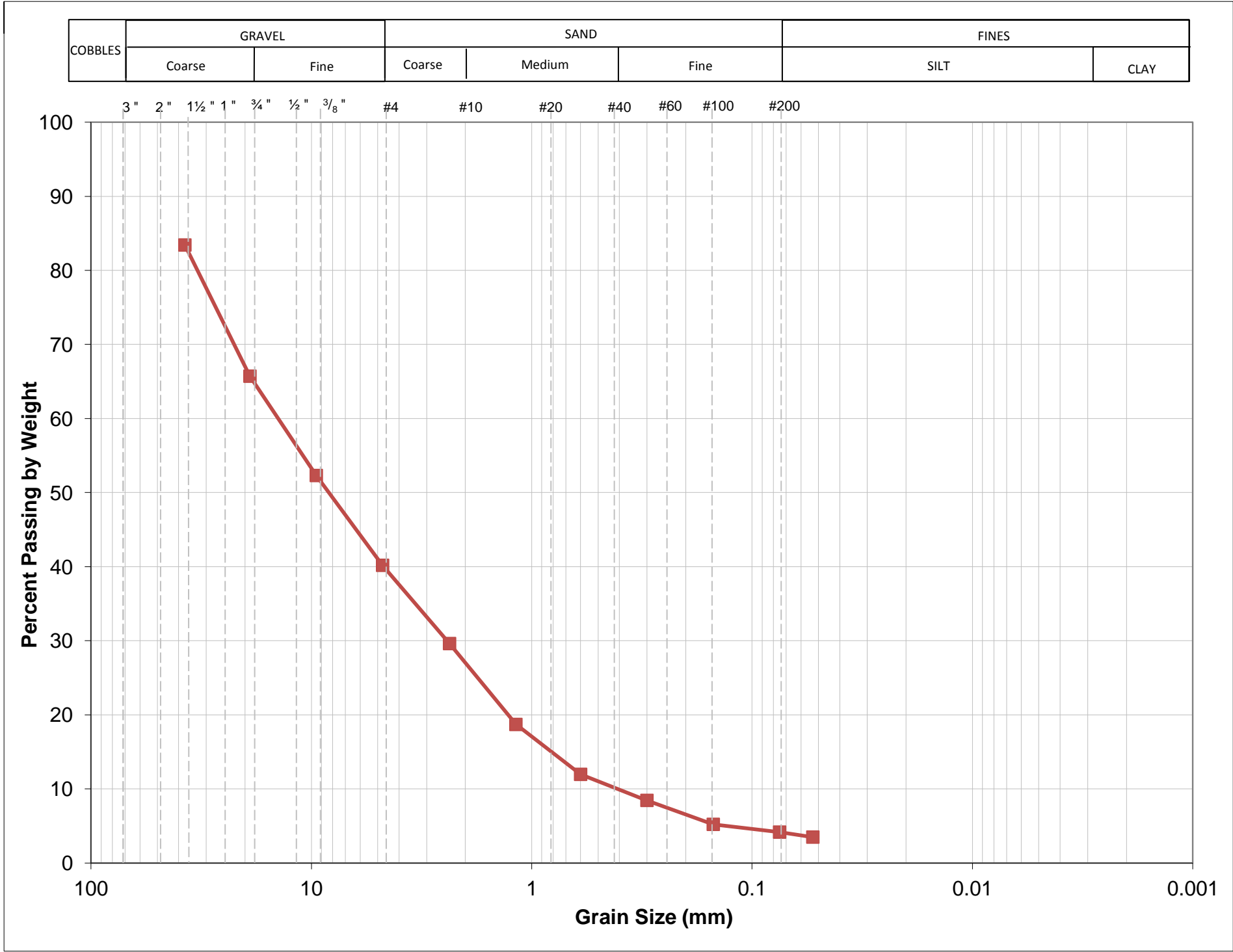
Sieve Initial weight (g)	500
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Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	82.89	83.4
3/4"	19	88.55	65.7
3/8"	9.5	67.04	52.3
#4	4.75	60.62	40.2
#8	2.36	52.82	29.6
#14	1.18	54.6	18.7
#30	0.6	33.68	12.0
#48	0.3	17.57	8.4
#100	0.15	16.17	5.2
#200	0.075	5.24	4.2
#270	0.053	3.37	3.5
Pan		17.45	0.0

Gravel (%)	59.8
Sand (%)	36.0
Fines (%)	4.2

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project

Mount Nansen - 2013 Site Investigation

Project No.

VM00605

Sample Information

Borehole ID

TP-WA-13-11

Sample No.

ARD-05

Depth

4.9 m

Location

Waste Area

Date

December 5, 2013

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

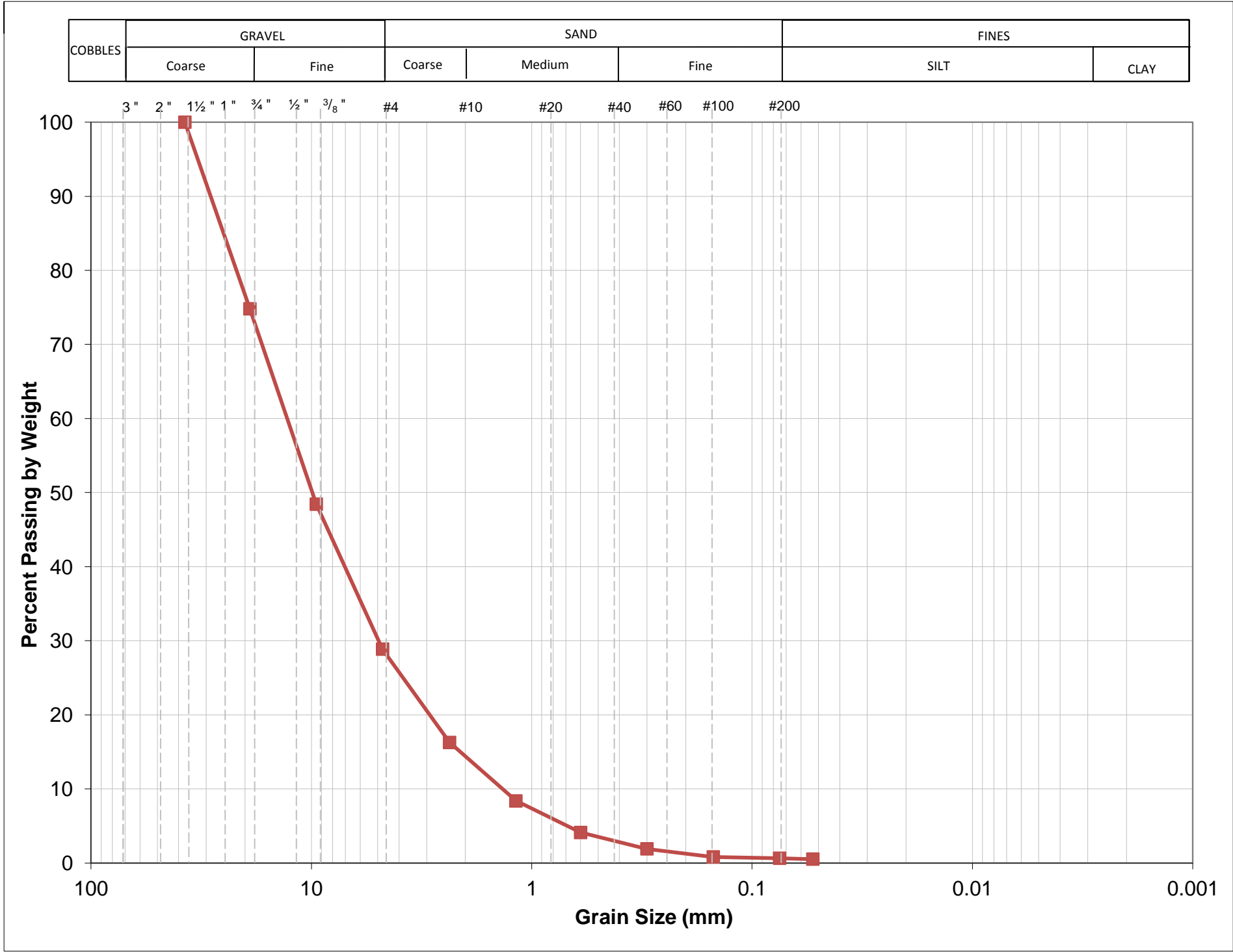
500

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	125.95	74.8
3/8"	9.5	131.88	48.4
#4	4.75	97.84	28.9
#8	2.36	63.01	16.3
#14	1.18	39.47	8.4
#30	0.6	21.29	4.1
#48	0.3	11.03	1.9
#100	0.15	5.45	0.8
#200	0.075	0.91	0.6
#270	0.053	0.57	0.5
Pan		2.6	0.0

Gravel (%)	71.1
Sand (%)	28.2
Fines (%)	0.6

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **HA-BA-13-01**

Sample No. **2-3 m**

Depth **2.0 m**

Location **Borrow Area**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)

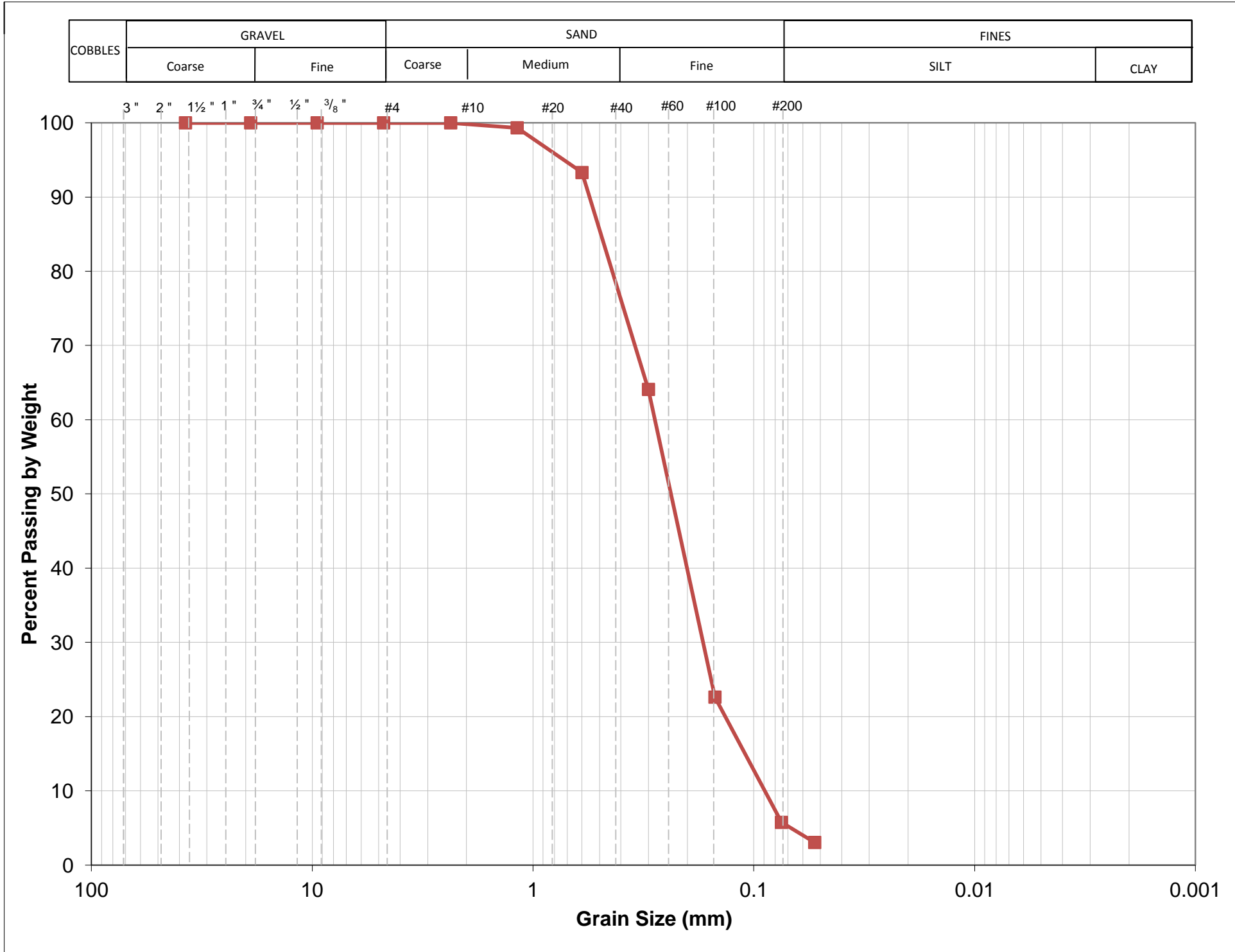
100

Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	0	100.0
#14	1.18	0.67	99.3
#30	0.6	6.03	93.3
#48	0.3	29.22	64.1
#100	0.15	41.46	22.6
#200	0.075	16.88	5.7
#270	0.053	2.7	3.0
Pan		3.04	0.0

Gravel (%)	0.0
Sand (%)	94.3
Fines (%)	5.7

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.



Project **Mount Nansen - 2013 Site Investigation**

Project No. **VM00605**

Sample Information

Borehole ID **HA-BA-13-02**

Sample No. **0-1 m**

Depth **0.0 m**

Location **Borrow Area**

Date **December 5, 2013**

SIEVE ANALYSIS RESULTS^{Note 1}

Sample Details

Sieve Initial weight (g)	100
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Sieve Results

Nominal Sieve Size	Sieve Size (mm)	Weight Retained (g)	% Passing
1 1/2"	37.5	0	100.0
3/4"	19	0	100.0
3/8"	9.5	0	100.0
#4	4.75	0	100.0
#8	2.36	0.29	99.7
#14	1.18	0.43	99.3
#30	0.6	2.47	96.8
#48	0.3	25.89	70.9
#100	0.15	45.39	25.5
#200	0.075	21.22	4.3
#270	0.053	3.05	1.3
Pan		1.26	0.0

Gravel (%)	0.0
Sand (%)	95.7
Fines (%)	4.3

Notes:
1. Sieve test performed by SGS Canada Inc., presented by AMEC E&I.

