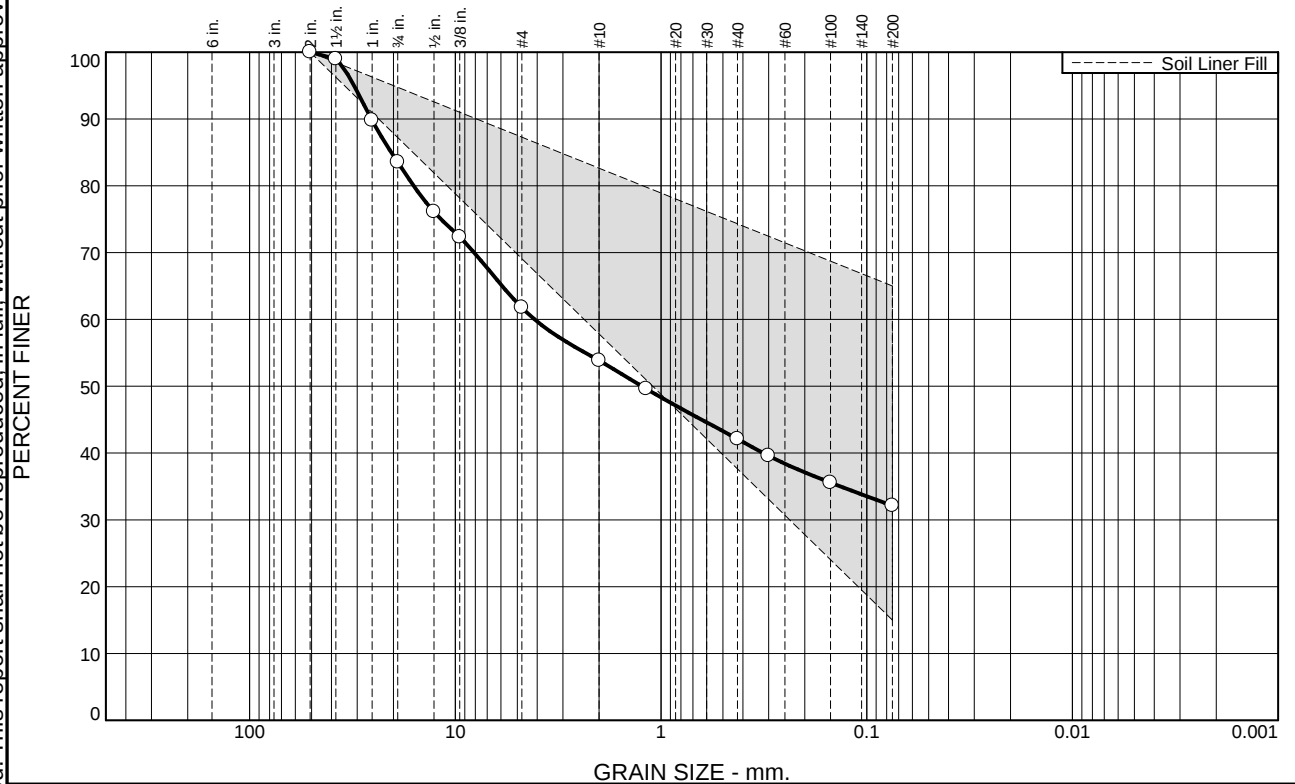


Test results included in this report relate only to the items inspected or tested. This report shall not be reproduced, in full, without prior written approval of NewFields.

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	16.5	21.7	8.0	11.7	10.0	32.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2"	100.0	100.0	
1.5"	99.0		
1"	89.8		
3/4"	83.5		
1/2"	76.1		
3/8"	72.3		
#4	61.8		
#10	53.8		
#16	49.6		
#40	42.1		
#50	39.6		
#100	35.6		
#200	32.1	15.0 - 65.0	

* Soil Liner Fill

Material Description

Brown clayey gravel with sand

Atterberg Limits

PL= 12

LL= 39

PI= 27

Coefficients

D₉₀= 25.6175

D₈₅= 20.4817

D₆₀= 4.1141

D₅₀= 1.2397

D₃₀=

D₁₅=

D₁₀=

C_u=

C_c=

Classification

USCS= GC

AASHTO= A-2-6(3)

Remarks

Location: N 56,834.5 E 37,344.6
Sample Number: NFSLF-128-R

Depth: FG

Date: 05/13/2020

NewFields

Client: CC&V Gold Mining Company

Project: VLF Phase 2B

Project No: 475.0106.032

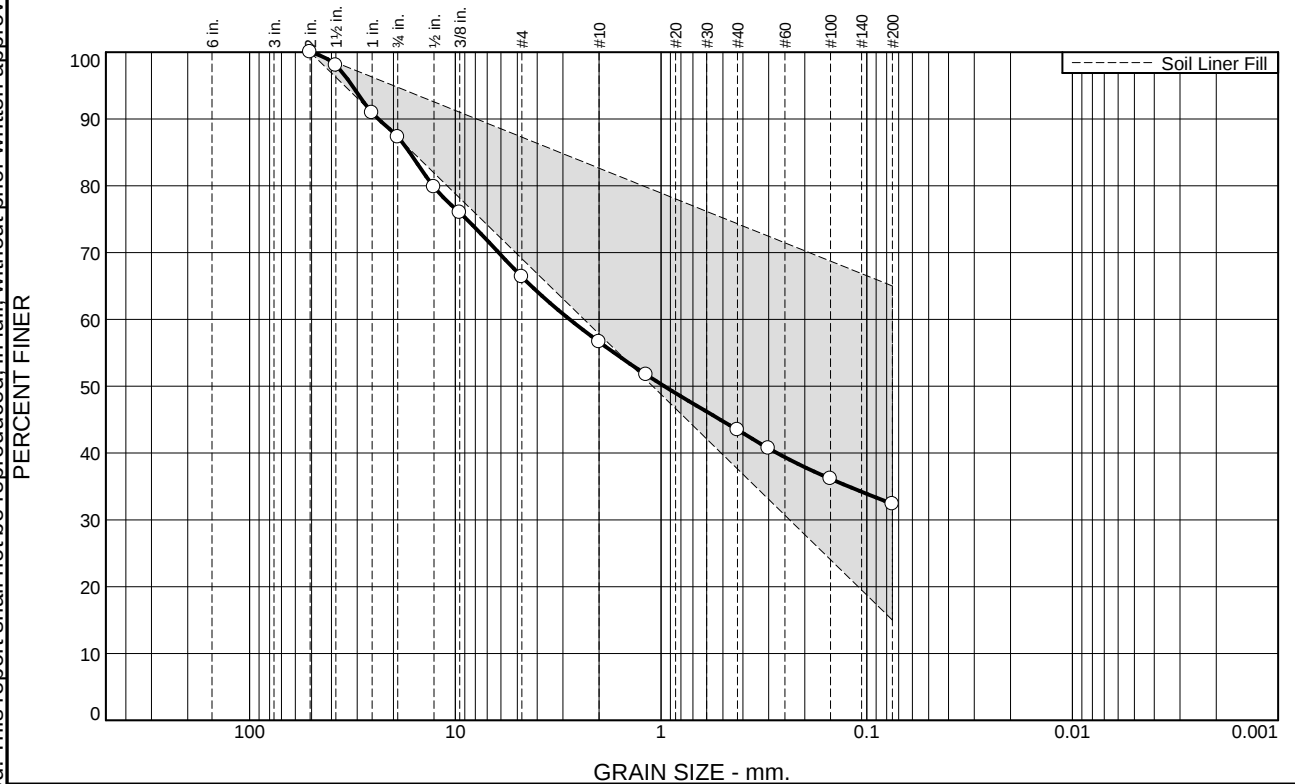
Figure NFSLF128-R

Tested By: TT

Checked By: TW

Test results included in this report relate only to the items inspected or tested. This report shall not be reproduced, in full, without prior written approval of NewFields.

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	12.7	20.9	9.8	13.1	11.1	32.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2"	100.0	100.0	
1.5"	98.0		
1"	90.9		
3/4"	87.3		
1/2"	79.8		
3/8"	76.0		
#4	66.4		
#10	56.6		
#16	51.7		
#40	43.5		
#50	40.7		
#100	36.1		
#200	32.4	15.0 - 65.0	

* Soil Liner Fill

Material Description

Brown clayey sand with gravel

PL= 12

Atterberg Limits

LL= 38

PI= 26

D₉₀= 23.7339

D₅₀= 0.9631

D₁₀=

Coefficients

D₈₅= 16.6753

D₃₀=

C_u=

D₆₀= 2.7792

D₁₅=

C_c=

USCS= SC

Classification

AASHTO= A-2-6(3)

Remarks

Location: N 56,640 E 37,645
Sample Number: NFSLF-129-R

Depth: FG

Date: 05/13/2020

NewFields

Client: CC&V Gold Mining Company
Project: VLF Phase 2B

Project No: 475.0106.032

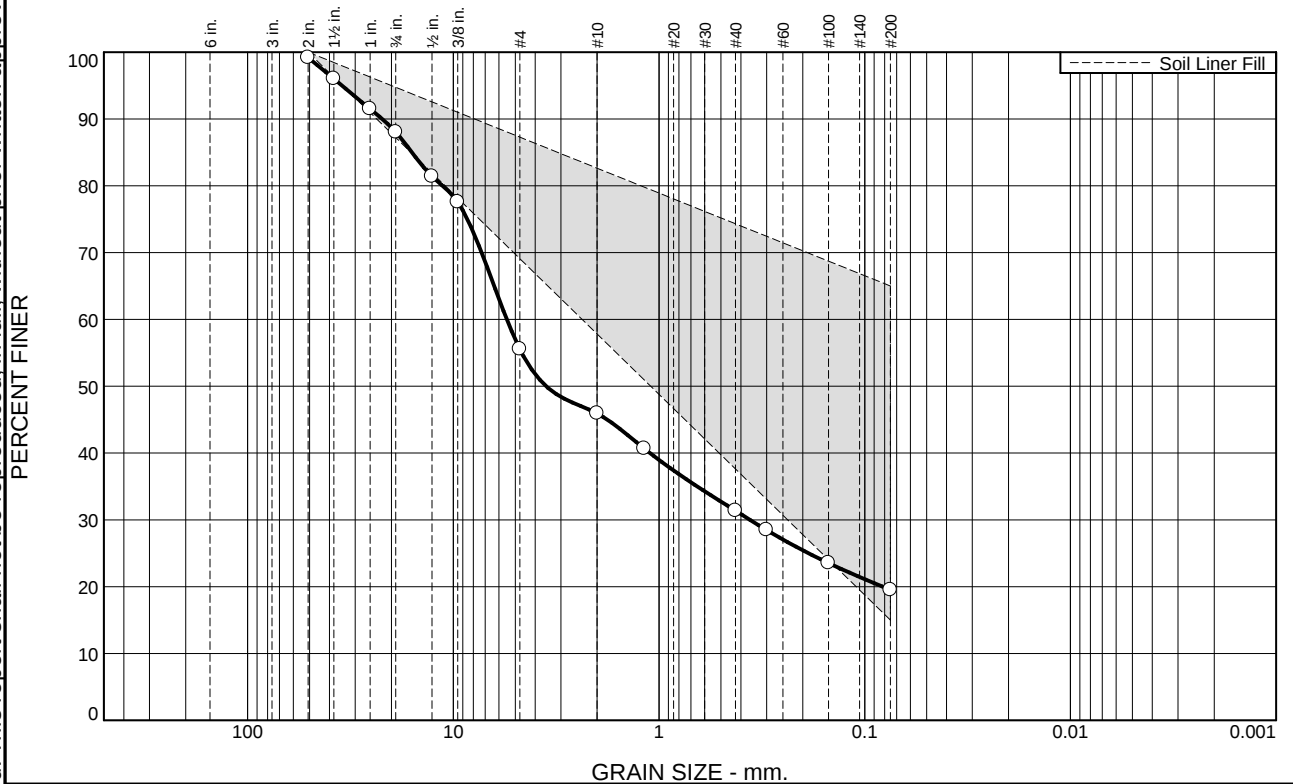
Figure NFSLF129-R

Tested By: TT

Checked By: TW

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Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
		32.5	9.6	14.5	11.9	19.5	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2"	99.2	100.0	X
1.5"	96.0		
1"	91.5		
3/4"	88.0		
1/2"	81.4		
3/8"	77.6		
#4	55.5		
#10	45.9		
#16	40.7		
#40	31.4		
#50	28.5		
#100	23.5		
#200	19.5	15.0 - 65.0	

* Soil Liner Fill

Material Description

Brown clayey gravel with sand

PL= 11 **Atterberg Limits** LL= 36 PI= 25

D₉₀= 22.1693 **Coefficients** D₈₅= 15.8981 D₆₀= 5.4959
D₅₀= 3.5372 D₃₀= 0.3611 D₁₅=
D₁₀= C_u= C_c=

USCS= GC **Classification** AASHTO= A-2-6(1)

Remarks

Location: N 56,661 E 37,750
Sample Number: NFSLF-130-R

Depth: FG

Date: 05/27/2020

NewFields

Client: CC&V Gold Mining Company
Project: VLF Phase 2B

Project No: 475.0106.032

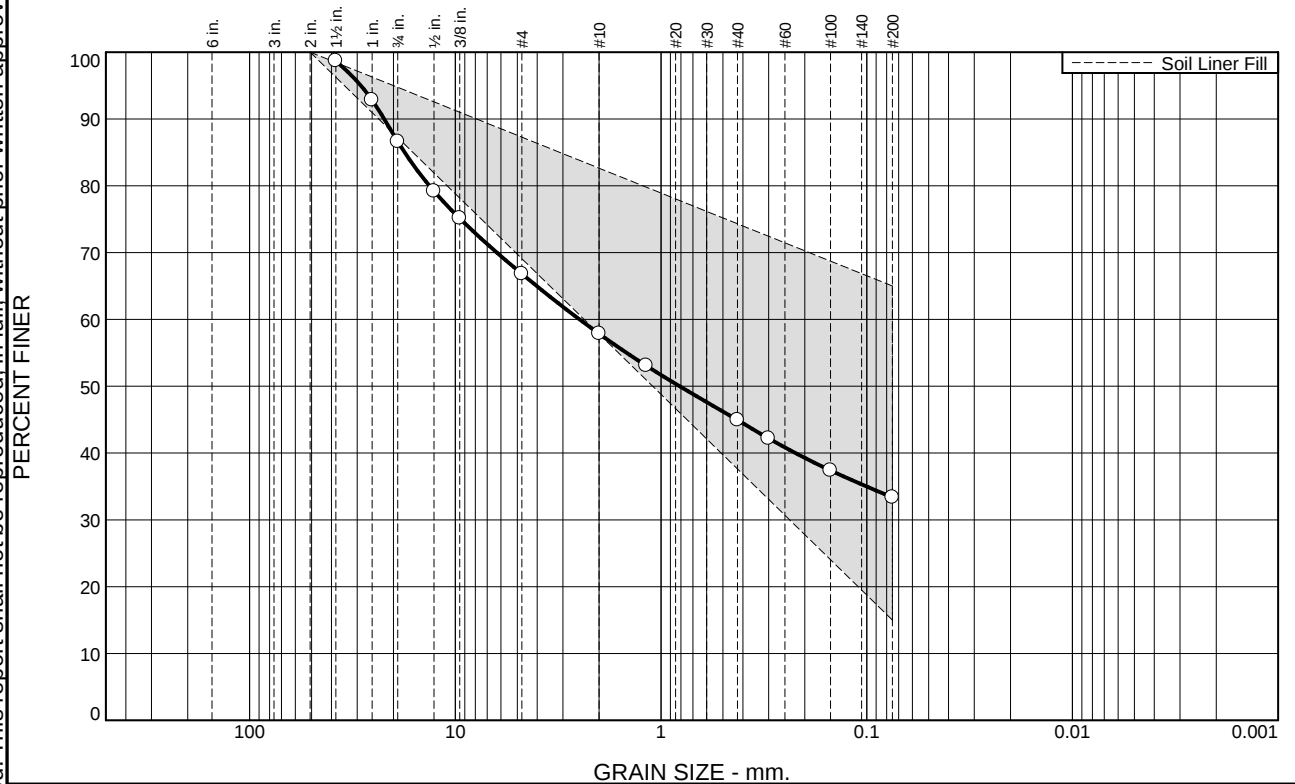
Figure NFSLF130-R

Tested By: TT

Checked By: TW

Test results included in this report relate only to the items inspected or tested. This report shall not be reproduced, in full, without prior written approval of NewFields.

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
		19.8	8.9	13.0	11.5	33.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.5"	98.7		
1"	92.8		
3/4"	86.6		
1/2"	79.2		
3/8"	75.1		
#4	66.8		
#10	57.9		
#16	53.1		
#40	44.9		
#50	42.2		
#100	37.4		
#200	33.4	15.0 - 65.0	

* Soil Liner Fill

Material Description

Brown clayey sand with gravel

PL= 14

Atterberg Limits

LL= 37

PI= 23

D₉₀= 22.1869

D₅₀= 0.8119

D₁₀=

Coefficients

D₈₅= 17.6432

D₃₀=

C_u=

D₆₀= 2.4906

D₁₅=

C_c=

USCS= SC

Classification

AASHTO= A-2-6(2)

Remarks

Location: N 56,935 E 36,883
Sample Number: NFSLF-132-R

Depth: FG

Date: 06/03/2020

NewFields

Client: CC&V Gold Mining Company

Project: VLF Phase 2B

Project No: 475.0106.032

Figure NFSLF132-R

Tested By: DC

Checked By: TW