

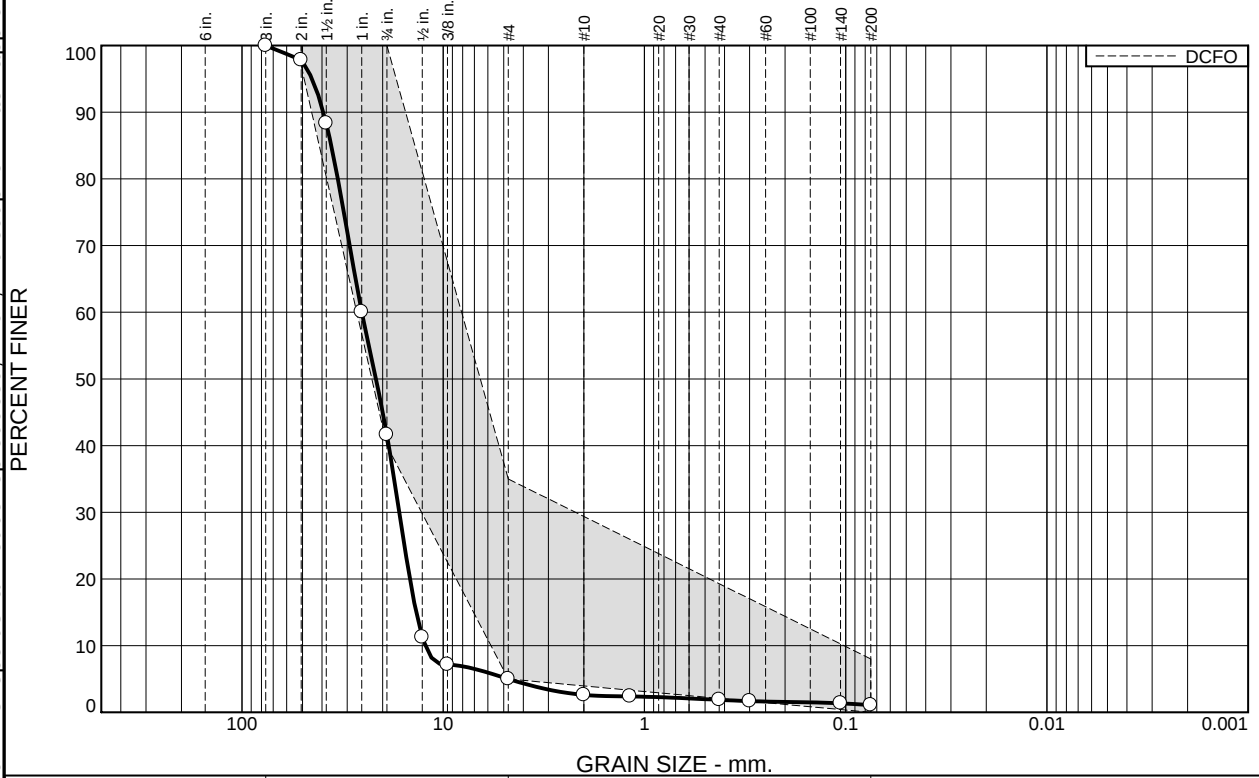
Table 8
Cripple Creek & Victor Gold Mining Company
Squaw Gulch Valley Leach Facility
Phase 2B Part 1 Record of Construction
CQA Earthworks Testing Summary - Drain Cover Fill (Crushed Ore)

SAMPLE NUMBER	DATE SAMPLED	LOCATION		ELEVATION (FT)	NATURAL MOISTURE (%)	GRAIN SIZE DISTRIBUTION - PERCENT PASSING														USCS	ATTERBERG LIMITS				
						3"	2"	1.5"	1.0"	0.75"	0.5"	0.375"	#4	#10	#16	#40	#50	#100	#200		PLASTIC LIMIT	LIQUID LIMIT	PLASTIC INDEX		
		PHASE				LINER PANEL NUMBER		SPECIFICATION - PERCENT PASSING														SPECIFICATION			
								100	97	-	-	40-100	-	-	5-35	-	-	-	-		-	-	0-8	-	-
DCFO-5-R	6/24/2020	2B	P-3285	FG	-	100	97.8	88.3	60.1	41.6	11.3	7.2	5	2.6	2.4	1.9	1.7	1.3	1.1	GP	NP	NV	NP		
DCFO-6-R	6/30/2020	2B	P-3307	FG	-	100	100	97.1	71.2	44.9	29.7	21.3	13.2	8.4	6.6	4.2	3.5	2.5	1.9	GW	NP	NV	NP		
DCFO-7-R	7/6/2020	2B	P-3325	FG	-	100	100	96.6	73.5	59.9	44.4	37	24.1	14.1	10.5	6.6	5.7	4.4	3.4	GW	NP	NV	NP		
DCFO-8-R	7/23/2020	2B	P-3421	FG	-	100	100	98.5	85.7	71.8	54.3	46.1	32	19.9	15.3	9.5	8	6	4.7	GW	NP	NV	NP		
DCFO-9-R	8/4/2020	2B	P-3459	FG	-	100	100	97.2	83.6	69.2	54.7	47.4	35	25.8	20.5	13.4	11.5	8.7	6.7	GP-GM	NP	NV	NP		

1. Samples with a Plasticity Index less than 5 are reported as Non Plastic 2. Samples DCFO-1 thru DCFO-4 were documented in a previous report.

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	58.4	36.6	2.4	0.7	0.8	1.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3	100.0	100.0	
2	97.8	97.0	
1.5	88.3		
1	60.1		
.75	41.6	40.0 - 100.0	
.5	11.3		
.375	7.2		
#4	5.0	5.0 - 35.0	
#10	2.6		
#16	2.4		
#40	1.9		
#50	1.7		
#140	1.3		
#200	1.1	0.0 - 8.0	

* DCFO

Material Description

Grey well-graded gravel

Atterberg Limits

PL= NP

LL= NV

PI= NP

Coefficients

D₉₀= 39.3697

D₈₅= 35.9831

D₆₀= 25.3806

D₅₀= 21.5996

D₃₀= 16.5231

D₁₅= 13.6188

D₁₀= 12.2942

C_u= 2.06

C_c= 0.87

Classification

USCS= GP

AASHTO= A-1-a

Remarks

Location: P-3285

Sample Number: DCFO-5-R

Depth: FG

Date: 6/24/2020

NewFields

Client: CC&V Gold Mining Company

Project: VLF Phase 2B

Project No: 475.0106.032

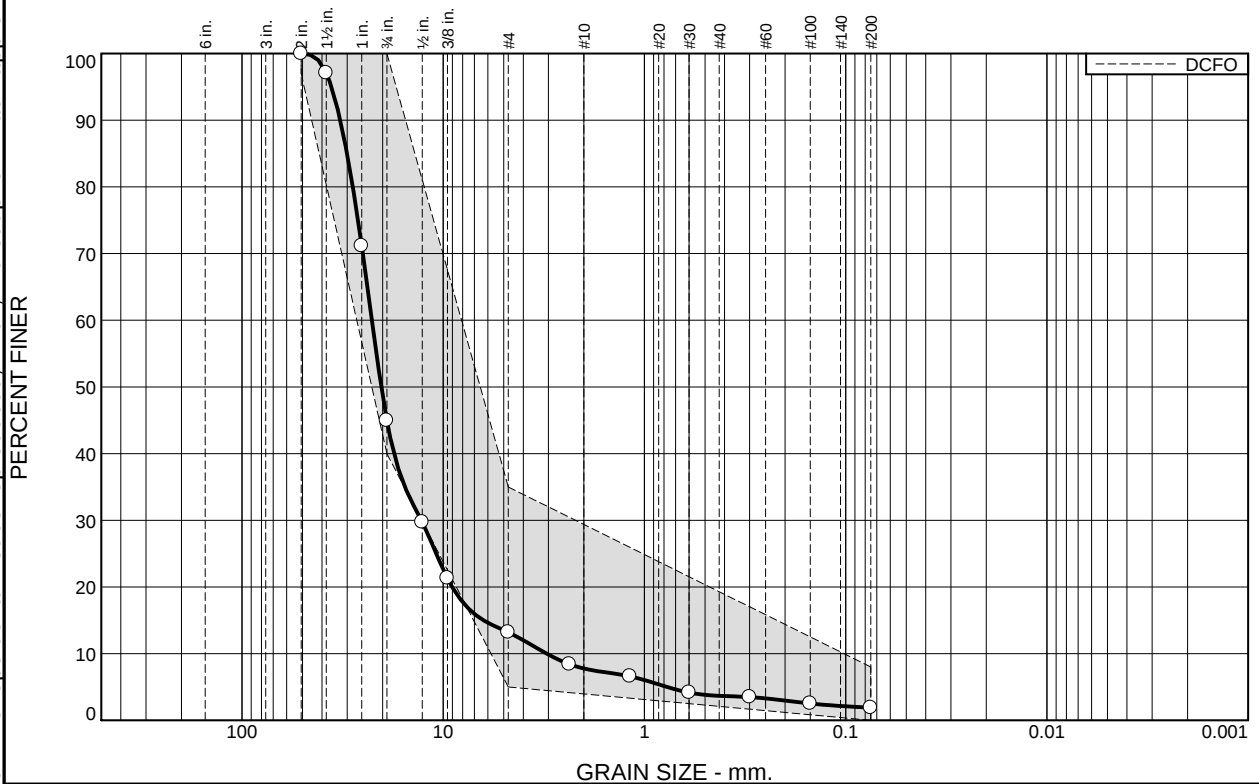
Figure DCFO-5-R

Tested By: DC

Checked By: TW

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Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	55.1	31.7	5.4	4.1	1.8	1.9	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2	100.0	97.0	
1.5	97.1		
1	71.2		
.75	44.9	40.0 - 100.0	
1/2"	29.7		
.375	21.3		
#4	13.2	5.0 - 35.0	
#8	8.4		
#16	6.6		
#30	4.2		
#50	3.5		
#100	2.5		
#200	1.9	0.0 - 8.0	

* DCFO

Material Description

Gray well-graded gravel

Atterberg Limits

PL= NP

LL= NV

PI= NP

Coefficients

D₉₀= 32.4663

D₈₅= 30.0510

D₆₀= 22.6343

D₅₀= 20.3187

D₃₀= 12.8363

D₁₅= 6.3061

D₁₀= 3.0544

C_u= 7.41

C_c= 2.38

Classification

USCS= GW

AASHTO= A-1-a

Remarks

Location: P-3307

Sample Number: DCFO-6-R

Depth: FG

Date: 6/30/2020

NewFields

Client: CC&V Gold Mining Company

Project: VLF Phase 2B

Project No: 475.0106.032

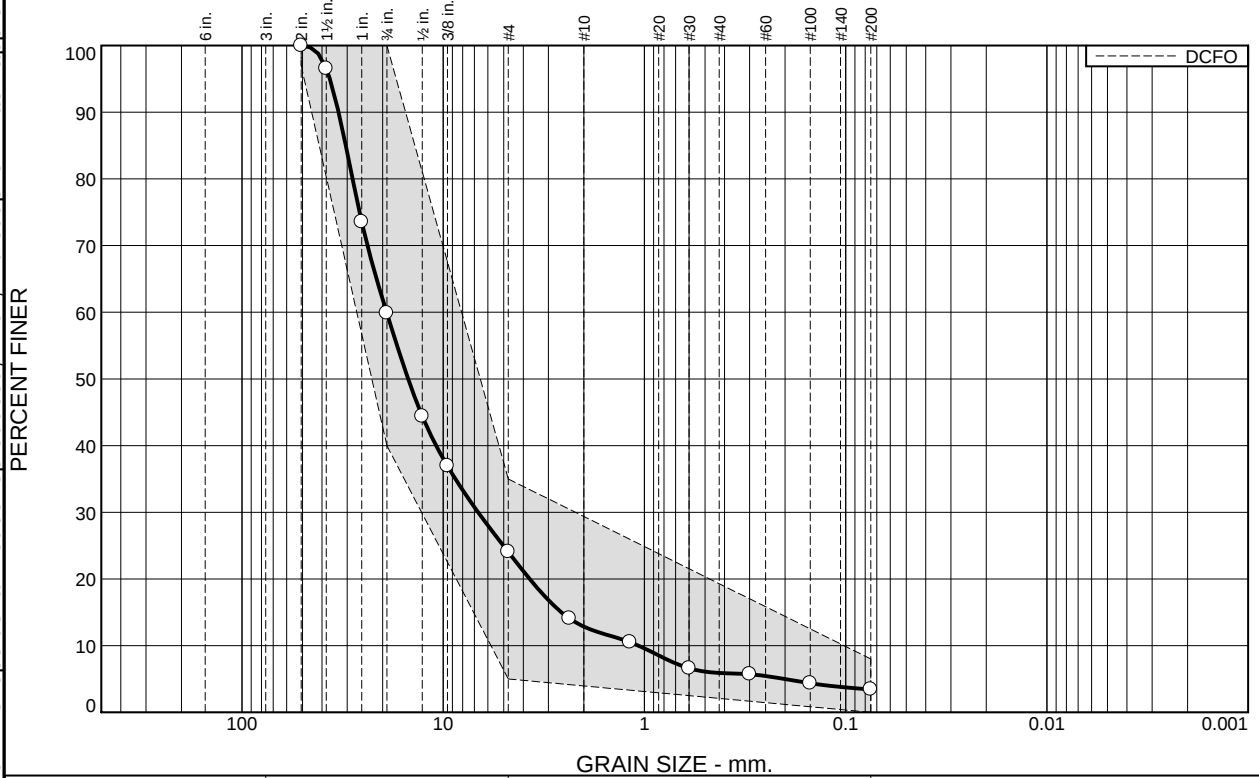
Figure DCFO-6-R

Tested By: DC

Checked By: TW

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Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	40.1	35.8	11.3	6.9	2.5	3.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2	100.0	97.0	
1-1/2"	96.6		
1"	73.5		
3/4"	59.9	40.0 - 100.0	
1/2"	44.4		
3/8"	37.0		
#4	24.1	5.0 - 35.0	
#8	14.1		
#16	10.5		
#30	6.6		
#50	5.7		
#100	4.4		
#200	3.4	0.0 - 8.0	

* DCFO

Material Description

Light brown well-graded gravel with sand

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D₉₀= 33.1038 D₈₅= 30.4851 D₆₀= 19.1073
D₅₀= 14.9233 D₃₀= 6.7076 D₁₅= 2.5856
D₁₀= 1.0713 C_u= 17.84 C_c= 2.20

Classification

USCS= GW AASHTO= A-1-a

Remarks

Location: P-3325

Sample Number: DCFO-7-R

Depth: FG

Date: 7/6/2020



Client: CC&V Gold Mining Company

Project: VLF Phase 2B

Project No: 475.0106.032

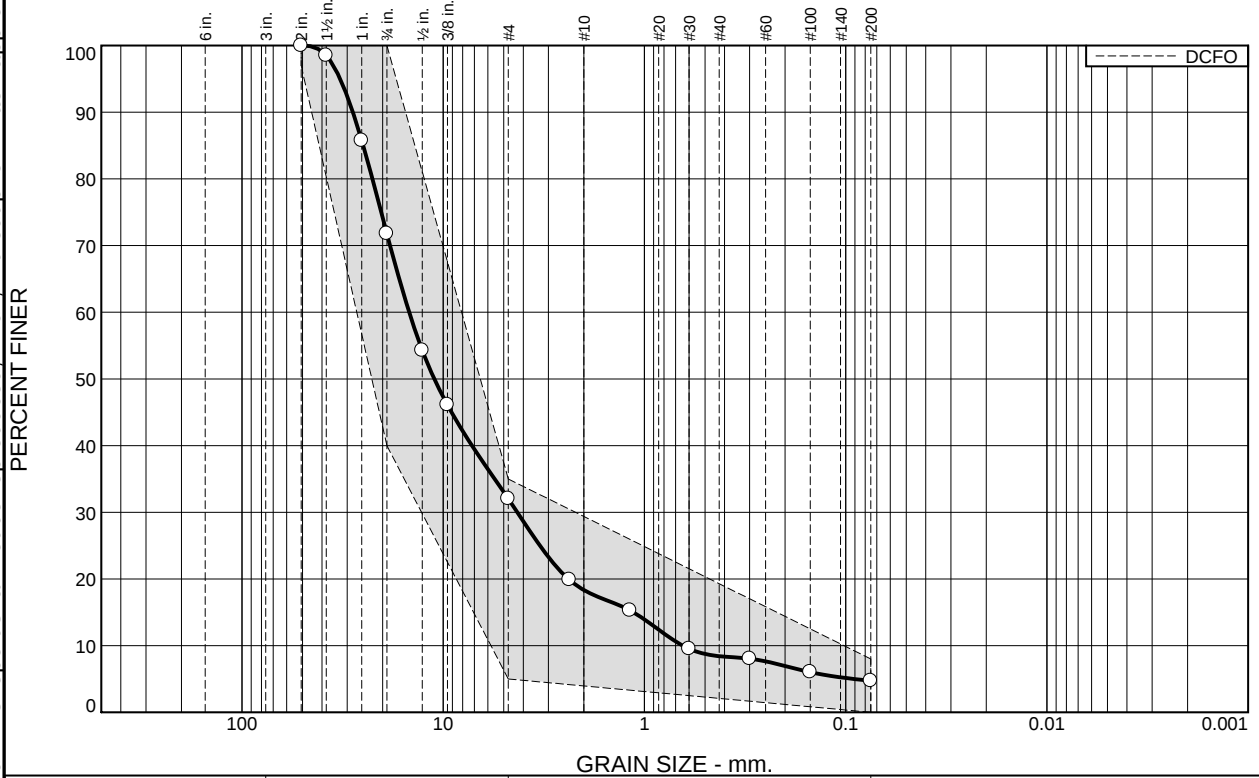
Figure DCFO-7-R

Tested By: DC

Checked By: TW

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Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	28.2	39.8	13.7	9.9	3.7	4.7	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2	100.0	97.0	
1.5	98.5		
1	85.7		
.75	71.8	40.0 - 100.0	
1/2"	54.3		
3/8"	46.1		
#4	32.0	5.0 - 35.0	
#8	19.9		
#16	15.3		
#30	9.5		
#50	8.0		
#100	6.0		
#200	4.7	0.0 - 8.0	

* DCFO

Material Description

Gray well-graded gravel with sand

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D₉₀= 28.1053 D₈₅= 24.9873 D₆₀= 14.7479
D₅₀= 11.0783 D₃₀= 4.2814 D₁₅= 1.1350
D₁₀= 0.6453 C_u= 22.85 C_c= 1.93

Classification

USCS= GW AASHTO= A-1-a

Remarks

Location: P-3421

Sample Number: DCF0-8-R

Depth: FG

Date: 7/23/2020

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Client: CC&V Gold Mining Company

Project: VLF Phase 2B

Project No: 475.0106.032

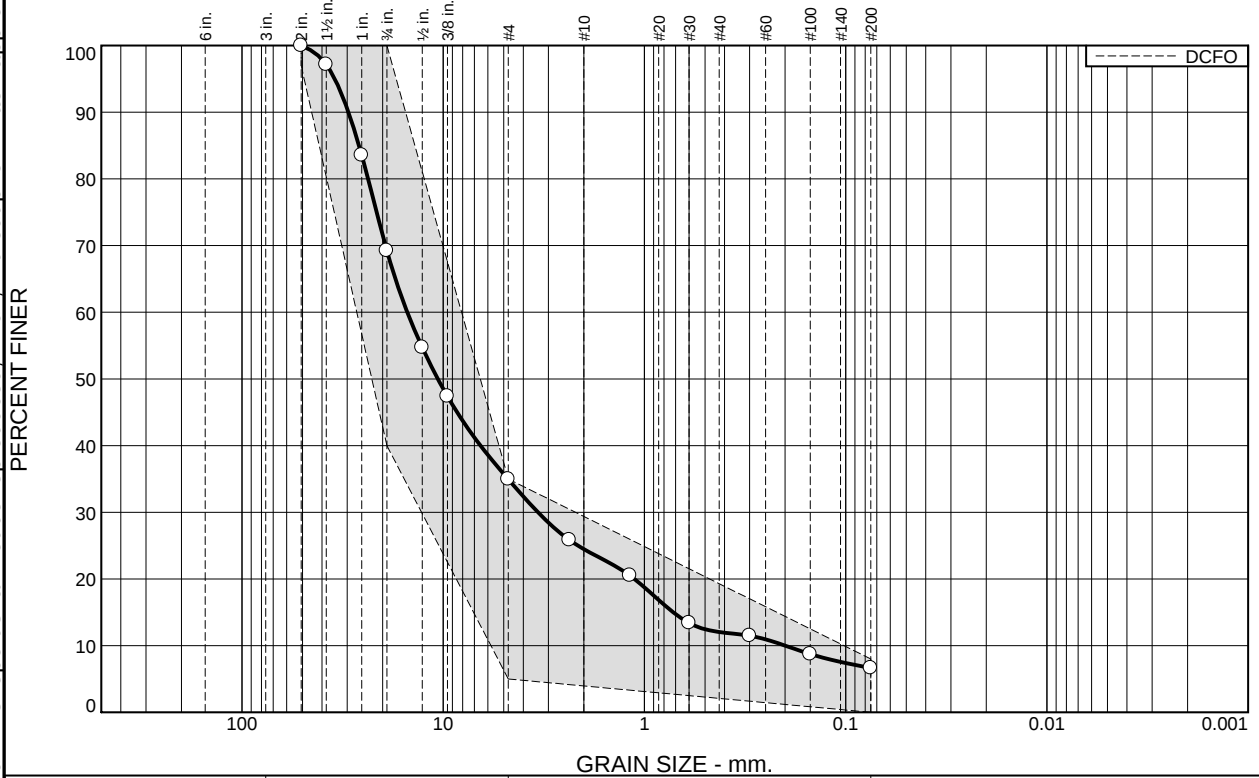
Figure DCF0-8-R

Tested By: DC

Checked By: TW

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Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	30.8	34.2	10.5	12.5	5.3	6.7	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2"	100.0	97.0	
1-1/2"	97.2		
1"	83.6		
3/4"	69.2	40.0 - 100.0	
1/2"	54.7		
3/8"	47.4		
#4	35.0	5.0 - 35.0	
#8	25.8		
#16	20.5		
#30	13.4		
#50	11.5		
#100	8.7		
#200	6.7	0.0 - 8.0	

* DCFO

Material Description

Light red poorly graded gravel with silt and sand

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D₉₀= 29.5548 D₈₅= 26.2067 D₆₀= 15.0746
D₅₀= 10.6365 D₃₀= 3.3763 D₁₅= 0.7193
D₁₀= 0.1999 C_u= 75.40 C_c= 3.78

Classification

USCS= GP-GM AASHTO= A-1-a

Remarks

Location: P-3459

Sample Number: DCF0-9-R

Depth: FG

Date: 8/3/2020



Client: CC&V Gold Mining Company

Project: VLF Phase 2B

Project No: 475.0106.032

Figure DCF0-9-R

Tested By: DC

Checked By: TW