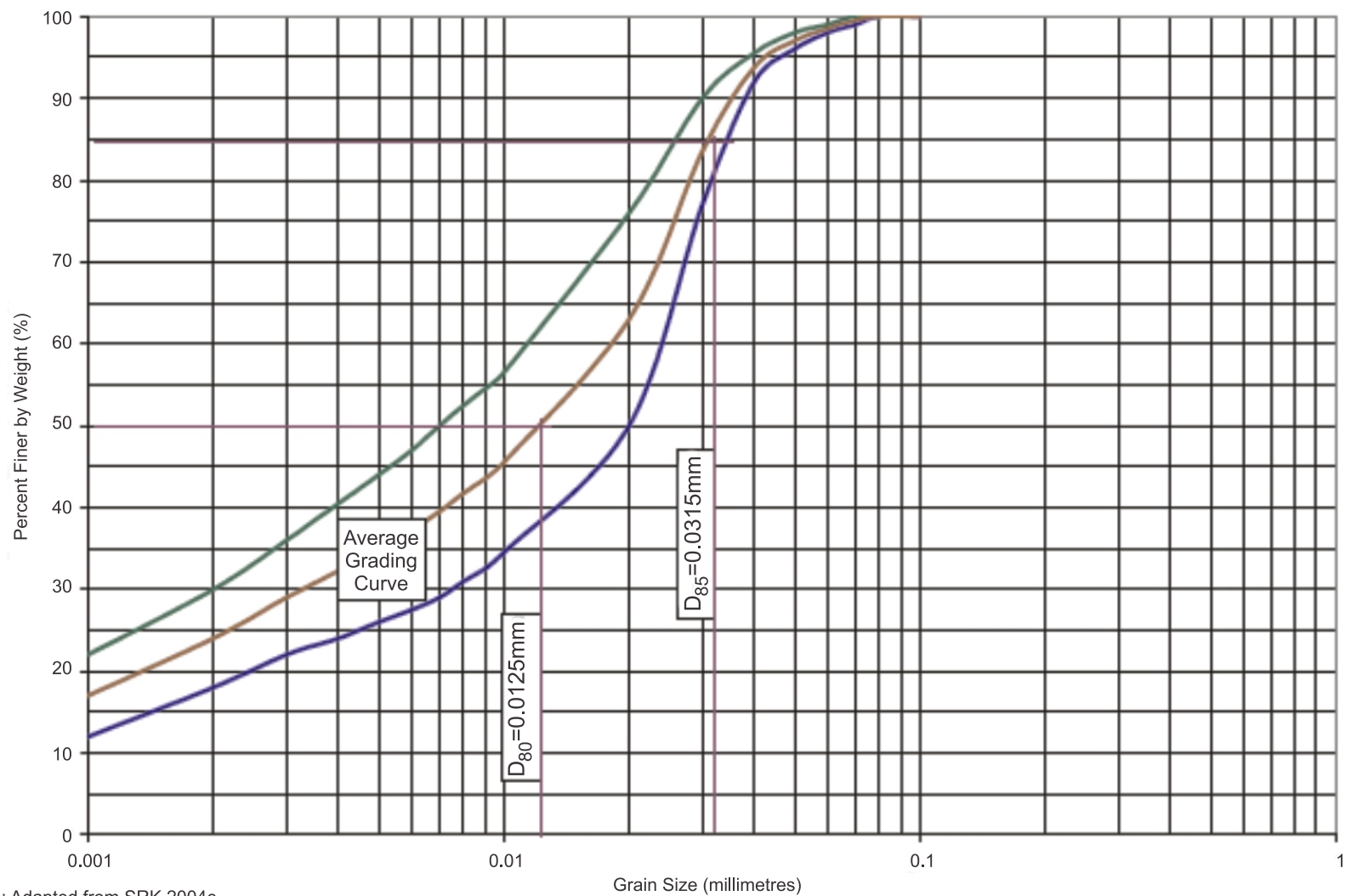




LEGEND

NOTES

STATUS
ISSUED FOR REVIEW

CLIENT

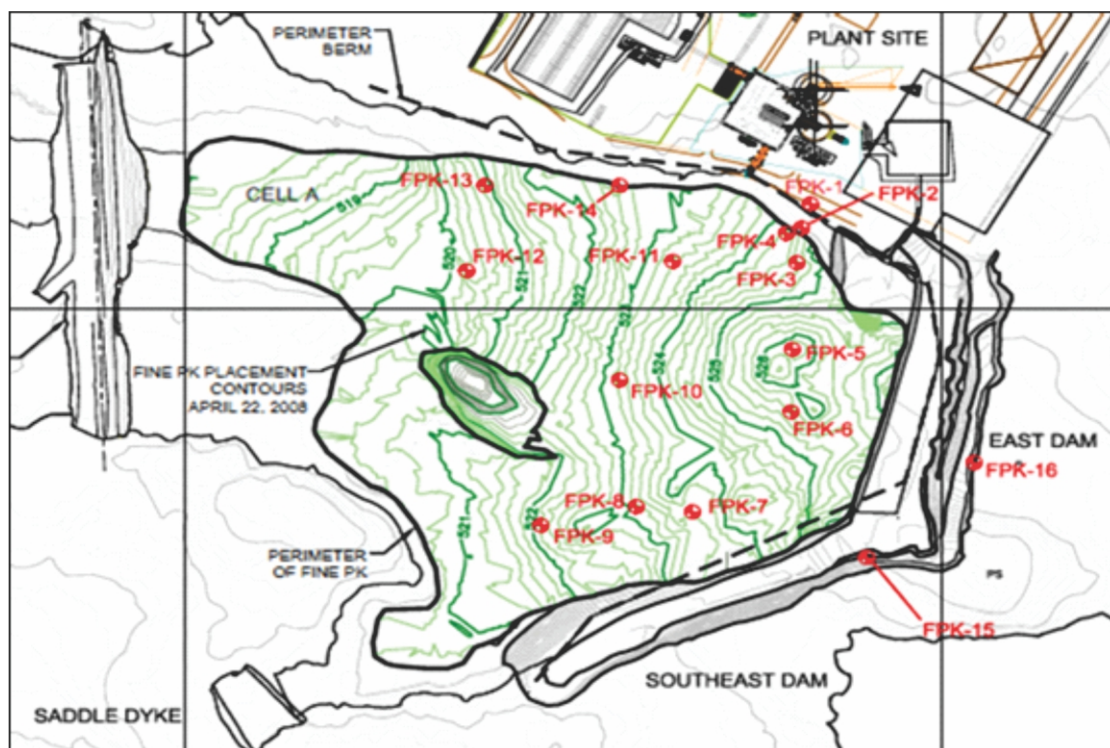
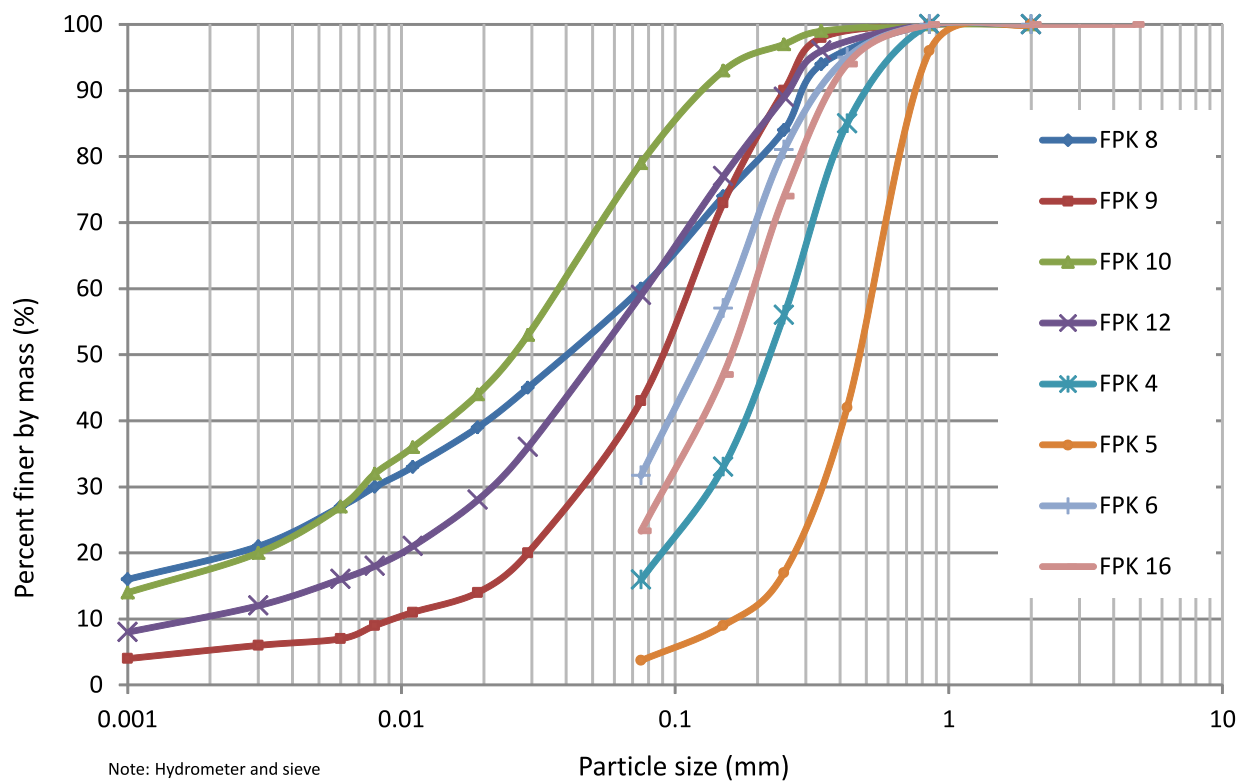


PROCESSED KIMBERLITE MANAGEMENT PLAN JERICHO DIAMOND MINE, NUNAVUT

FINE PK PARTICLE SIZE DISTRIBUTION (1997)

PROJECT NO. E14101140	DWN CLS	CKD NL	APVD NG	REV 0
OFFICE EBA-EDM	DATE August 2011			

Figure 6



LEGEND

NOTES

CLIENT



A TETRA TECH COMPANY

PROCESSED KIMBERLITE MANAGEMENT PLAN JERICO DIAMOND MINE, NUNAVUT

FINE PK PARTICLE SIZE DISTRIBUTION (2011)

PROJECT NO.
E14101140

DWN
CLS

CKD
NL

APVD
NG

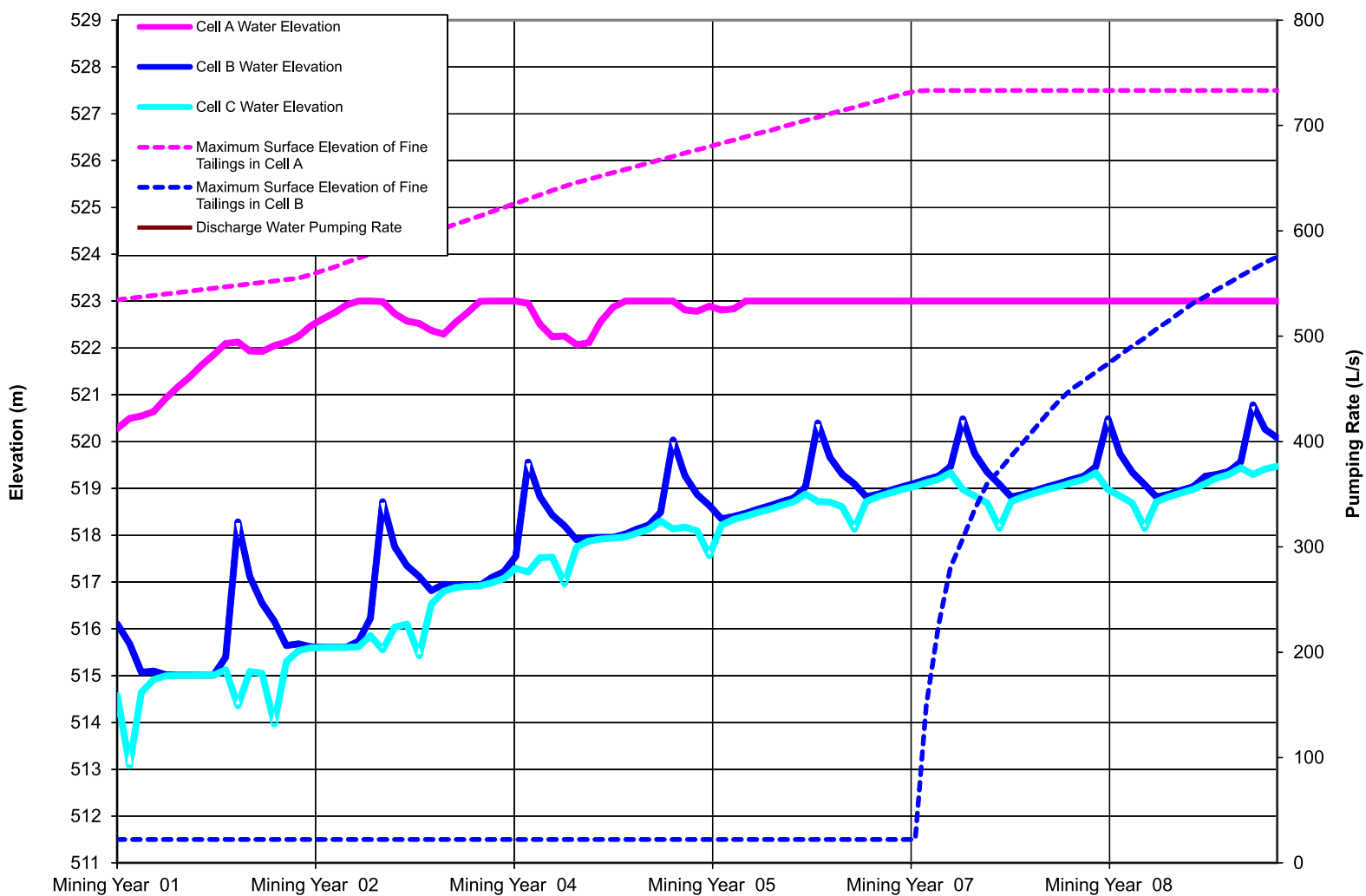
REV
0

OFFICE
EBA-EDM

DATE
August 2011

Figure 7

STATUS
ISSUED FOR REVIEW



NOTES

Cell A Water Elevation
Cell B Water Elevation
Cell C Water Elevation

Cell A Fine PK Average Elevation*
Cell B Fine PK Average Elevation*
Discharge Water Pumping Rate

Note: Fine PK elevations based on level surface of FPK.

Elevations will vary due to surface slope of FPK.

STATUS
ISSUED FOR REVIEW

CLIENT



PROCESSED KIMBERLITE MANAGEMENT PLAN
JERICO DIAMOND MINE, NUNAVUT

WATER LEVELS AND FPK ELEVATIONS FOR MEAN PRECIPITATION YEARS

PROJECT NO.
E14101140

OFFICE
EBA-EDM

DWN
CLS

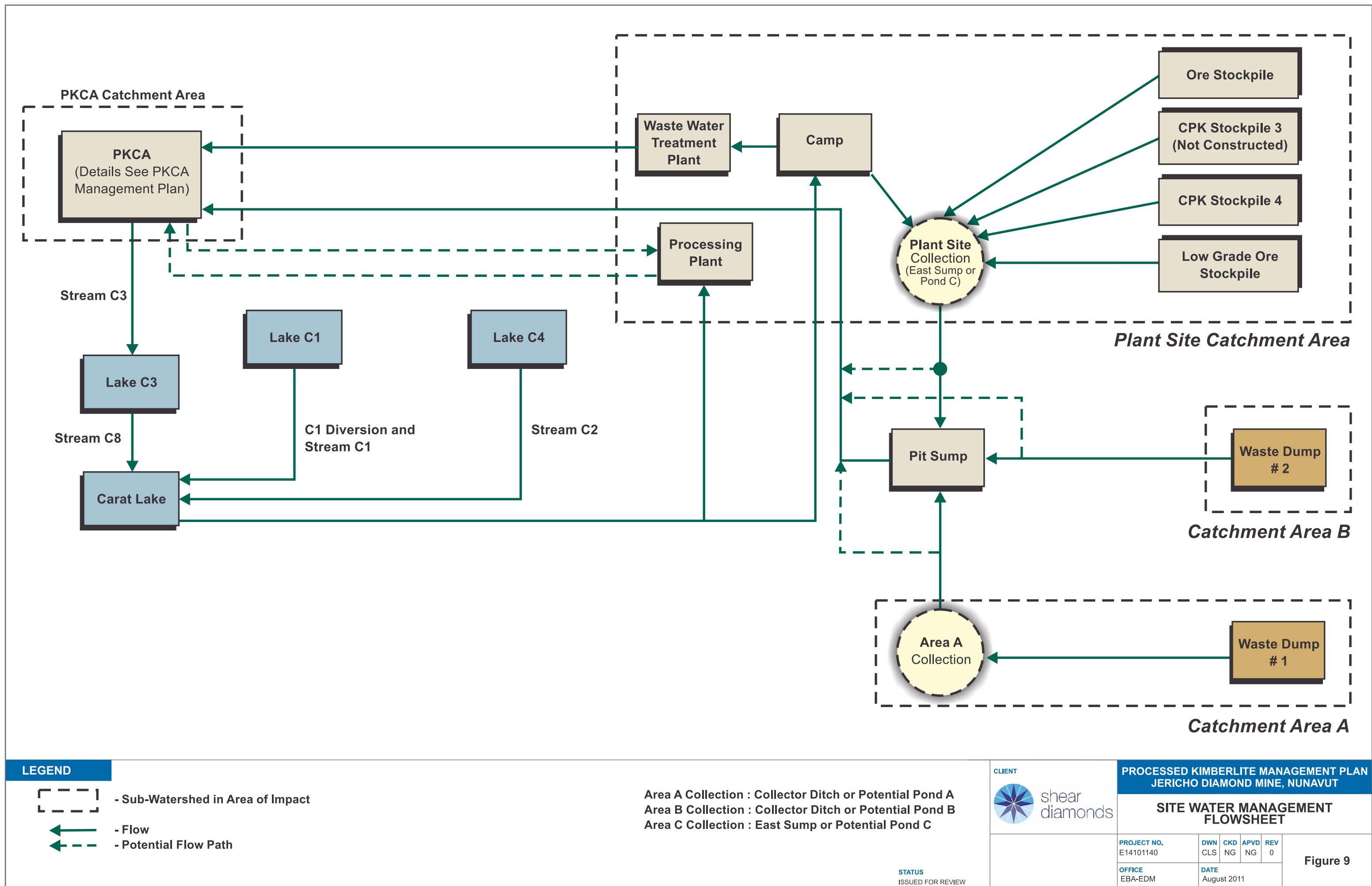
DATE
August 2011

CKD
NL

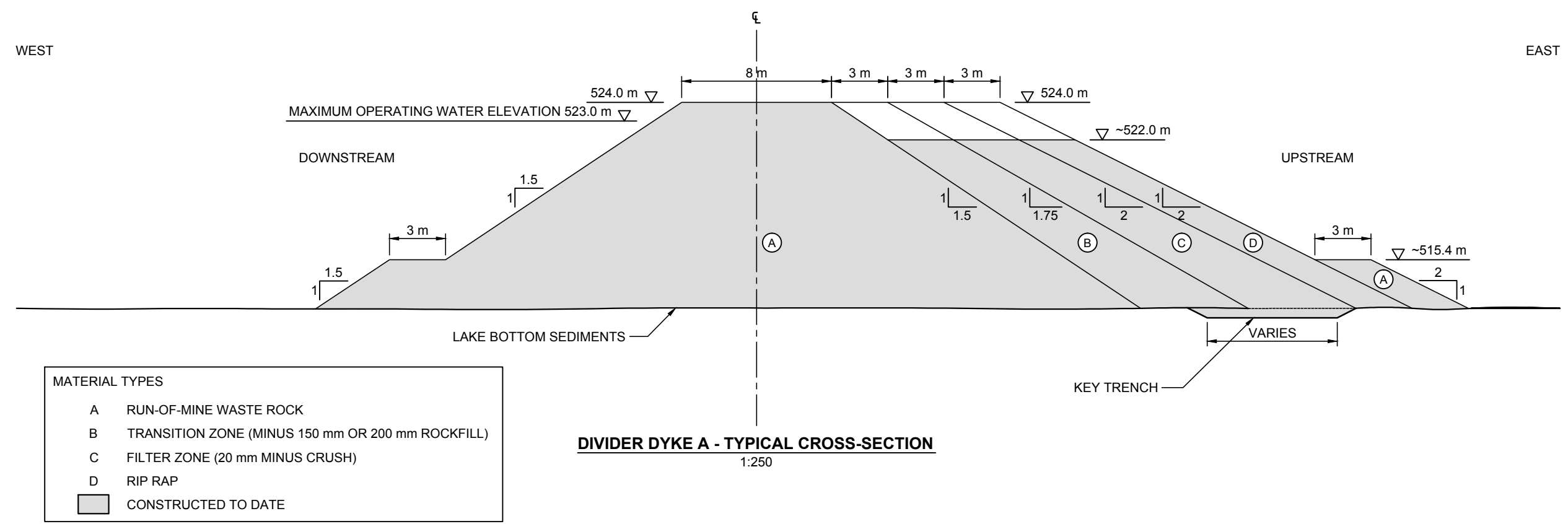
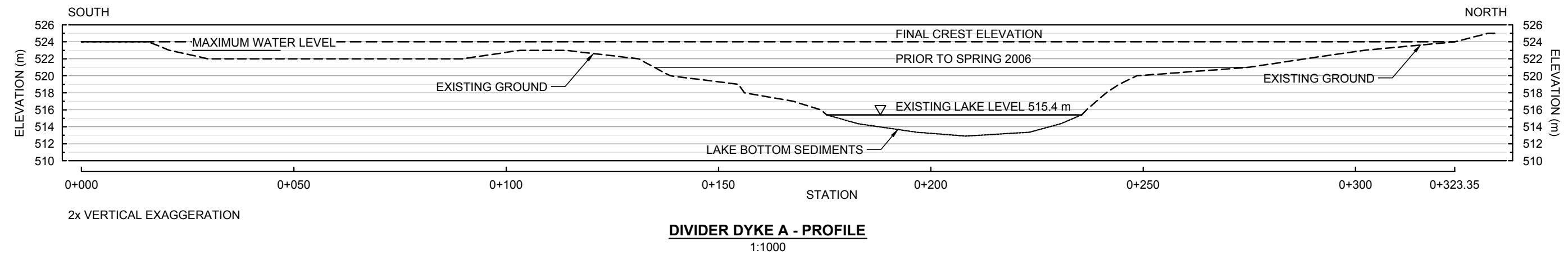
APVD
NG

REV
0

Figure 8

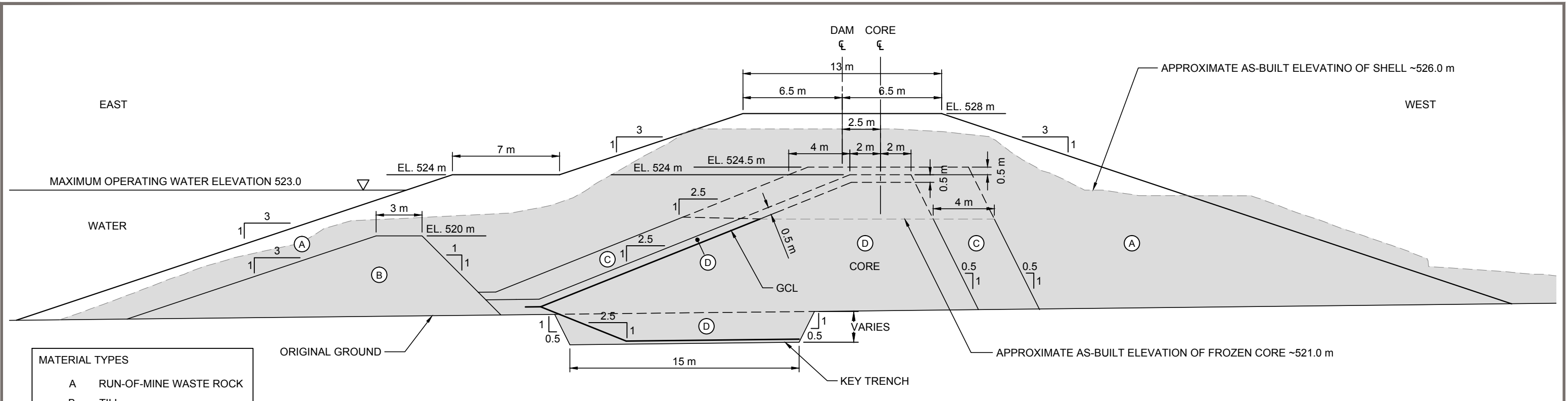


Q:\Edmonton\Drafting\Civil\3D\E14101140\Production Drawings\E14101140_FIG 10-13_R0.dwg [FIGURE 10] August 15, 2011 - 1:13:52 pm (BY: LEE, ELV/N)

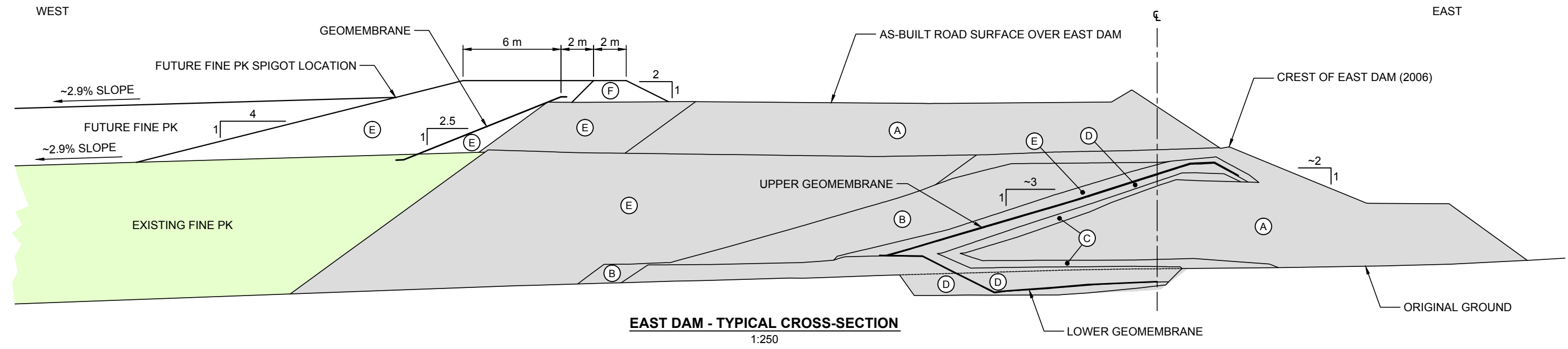


 	PROCESSED KIMBERLITE MANAGEMENT PLAN JERICO DIAMOND MINE, NUNAVUT				
	DIVIDER DYKE A PROFILE AND TYPICAL CROSS-SECTION				
	PROJECT NO. E14101140	DWN EL	CKD NG	REV 0	Figure 10
OFFICE EDM	DATE August 15, 2011				

STATUS
ISSUED FOR USE

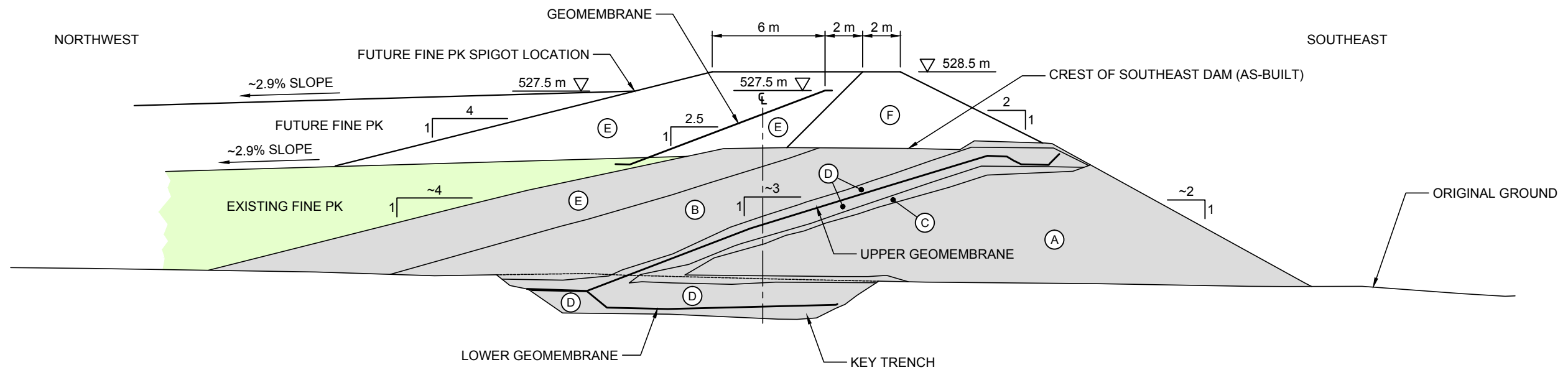


- MATERIAL TYPES**
- A RUN-OF-MINE WASTE ROCK
 - B TILL
 - C 200 mm MINUS ROCKFILL
 - D 20 mm MINUS CRUSH
 - E COARSE PK
 - F 150 mm MINUS ROCKFILL
 - CONSTRUCTED TO DATE

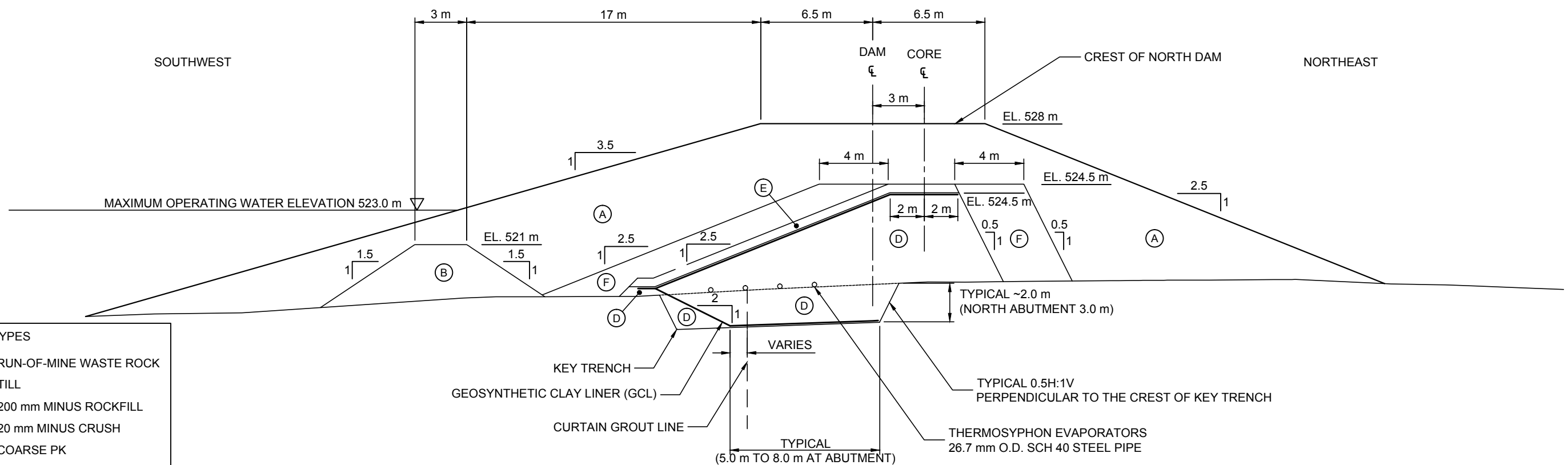


Q:\Edmonton\Drafting\CIVIL\3D\14101140\Production Drawings\14101140_FIG 10-13_R0.dwg [FIGURE 11] August 15, 2011 - 1:16:19 pm (BY: LEE, ELVIN)

CLIENT 		PROCESSED KIMBERLITE MANAGEMENT PLAN JERICO DIAMOND MINE, NUNAVUT					
STATUS ISSUED FOR USE		PROJECT NO. E14101140		DWN EL	CKD NG	REV 0	Figure 11
		OFFICE EDM	DATE August 15, 2011				



RAISED SOUTHEAST DAM - TYPICAL CROSS-SECTION
1:250



NORTH DAM - TYPICAL CROSS-SECTION
1:250

MATERIAL TYPES	
A	RUN-OF-MINE WASTE ROCK
B	TILL
C	200 mm MINUS ROCKFILL
D	20 mm MINUS CRUSH
E	COARSE PK
F	150 mm MINUS ROCKFILL
	CONSTRUCTED TO DATE

STATUS
ISSUED FOR USE

CLIENT



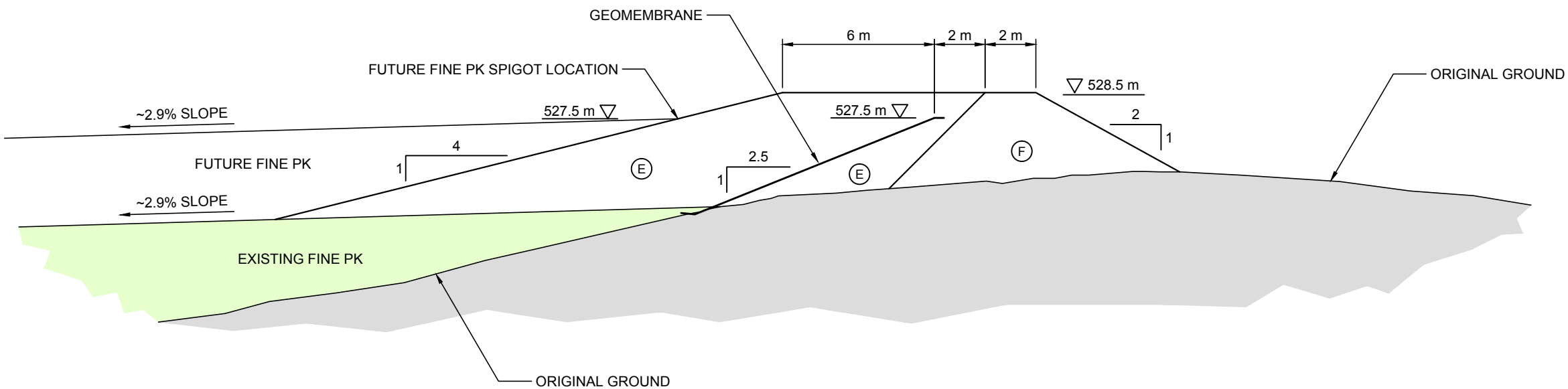
**PROCESSED KIMBERLITE MANAGEMENT PLAN
JERICO DIAMOND MINE, NUNAVUT**

**RAISED SOUTHEAST DAM AND NORTH DAM
TYPICAL CROSS-SECTIONS**

PROJECT NO. E14101140	DWN EL	CKD NG	REV 0
OFFICE EDM	DATE August 15, 2011		

Figure 12

Q:\Edmonton\Drafting\CIVIL3D\E14101140\Production Drawings\E14101140_FIG 10-13_R0.dwg [FIGURE 13] August 15, 2011 - 1:18:19 pm (BY: LEE, ELVN)



PERIMETER BERM - TYPICAL CROSS-SECTION
1:200

MATERIAL TYPES

- A RUN-OF-MINE WASTE ROCK
- B TILL
- C 200 mm MINUS ROCKFILL
- D 20 mm MINUS CRUSH
- E COARSE PK
- F 150 mm MINUS ROCKFILL

STATUS
ISSUED FOR USE



**PROCESSED KIMBERLITE MANAGEMENT PLAN
JERICO DIAMOND MINE, NUNAVUT**

**PERIMETER BERM
TYPICAL CROSS-SECTIONS**

PROJECT NO. E14101140	DWN EL	CKD NG	REV 0
OFFICE EDM	DATE August 15, 2011		

Figure 13

APPENDIX A

APPENDIX A WATER BALANCE SUMMARY

Jericho PKCA Water/Solid Balance

Table A1 Summary of Monthly Water & Fine PK Balance of PKCA for Mean Precipitation Years

Month & Mining Year	Cell A Monthly Water Balance					Cell B Monthly Water Balance						Cell C Monthly Water Balance					Monthly Fine Tailings Balance			
			Runoff Water Collected from Catchments of Areas A and B, Plant Site Area, and Pit Area and Sewage into Cell A	Free Water from Tailings Placed in Cell A	Water Flowing from Cell A to Cell B (Seeping through Divider Dyke A When Fine PK Ele. In Cell A < 523.0 m)		Direct Cell B Percipitation + Runoff from Watershed of Cell B	Runoff Water Collected from Catchments of Areas A and B, Plant Site Area and Sewage into Cell B	Free Water from Tailings Placed in Cell B	Water Flowing from Cell A to Cell B (Seeping through Divider Dyke A When Fine PK Ele. In Cell A < 523.0 m)	Water Flowing from Cell B into Cell C (Seeping through Divider Dyke B after Aug Year 1)		Direct Cell C Percipitation - Evaporation + Runoff from Watershed of Cell C	Water Flowing from Cell B into Cell C (Seeping through Divider Dyke B after Aug Year 1)	Water Reclaimed from Cell C to Plant	Water Release from Cell C to Stream C3				
	Month-End Water Pond Elevation of Cell A	Direct Cell A Percipitation - Evaporation + Runoff from Watershed of Cell A				Month-End Pond Water Elevation of Cell B						Month-End Pond Elevation of Cell C					Month-End Cumulative Volume of Fine Tailings to Cell A	Maximum Surface Elevation of Fine Tailings in Cell A	Month-End Cumulative Volume of Fine Tailings to Cell B	Maximum Surface Elevation of Fine Tailings in Cell B
	(m)	(m³)	(m³)	(m³)	(m³)	(m)	(m³)	(m³)	(m³)	(m³)	(m³)	(m)	(m³)	(m³)	(m³)	(m³)	(m³)	(m)	(m³)	(m)
Jul - Year -1	520.00					516.00						516.00								
Aug - Year 1	520.28	3,458	837	7,013	4,084	516.10	1,584	32,225	0	4,084	34,939	514.57	3,256	34,939	7,300	65,700	587,701	523.03	0	511.50
Sep - Year 1	520.50	5,946	810	6,787	9,028	515.68	3,449	41,892	0	9,028	65,523	513.08	5,437	65,523	7,150	89,400	595,913	523.06	0	511.50
Oct - Year 1	520.55	521	837	7,013	8,908	515.08	310	3,222	0	8,908	26,675	514.64	451	26,675	0	0	604,398	523.09	0	511.50
Nov - Year 1	520.64	0	810	6,787	6,406	515.10	0	0	0	6,406	5,931	514.92	0	5,931	0	0	612,610	523.12	0	511.50
Dec - Year 1	520.92	0	837	7,013	0	515.02	0	0	0	0	1,610	515.00	0	1,610	0	0	621,096	523.15	0	511.50
Jan - Year 1	521.17	0	837	7,013	0	515.01	0	0	0	0	250	515.01	0	250	0	0	629,581	523.18	0	511.50
Feb - Year 1	521.39	0	756	6,334	0	515.01	0	0	0	0	53	515.01	0	53	0	0	637,245	523.21	0	511.50
Mar - Year 1	521.63	0	837	7,013	0	515.01	0	0	0	0	17	515.01	0	17	0	0	645,731	523.24	0	511.50
Apr - Year 1	521.86	0	810	6,787	0	515.01	0	0	0	0	7	515.01	0	7	0	0	653,942	523.27	0	511.50
May - Year 1	522.10	794	837	7,013	0	515.39	623	9,667	0	0	1,765	515.13	1,047	1,765	0	0	662,428	523.31	0	511.50
Jun - Year 1	522.13	26,476	810	6,787	37,920	518.28	15,687	183,681	0	37,920	141,630	514.36	24,287	141,630	7,150	175,200	670,639	523.34	0	511.50
Jul - Year 1	521.94	3,148	837	7,013	28,658	517.12	1,545	51,560	0	28,658	127,370	515.09	5,039	127,370	7,300	109,500	679,125	523.37	0	511.50
Aug - Year 2	521.93	2,438	837	7,013	16,519	516.55	1,374	32,225	0	16,519	68,776	515.05	3,216	68,776	7,300	65,700	687,610	523.40	0	511.50
Sep - Year 2	522.05	5,765	810	6,787	12,724	516.16	3,421	41,892	0	12,724	69,345	513.97	5,406	69,345	7,150	89,400	695,822	523.43	0	511.50
Oct - Year 2	522.13	540	837	7,013	9,901	515.65	314	3,222	0	9,901	27,337	515.30	455	27,337	0	0	704,307	523.46	0	511.50
Nov - Year 2	522.25	0	810	6,787	6,715	515.68	0	0	0	6,715	5,898	515.54	0	5,898	0	0	712,519	523.49	0	511.50
Dec - Year 2	522.47	0	837	7,013	0	515.62	0	0	0	0	1,581	515.60	0	1,581	0	0	721,004	523.56	0	511.50
Jan - Year 2	522.62	0	837	7,013	0	515.61	0	0	0	0	227	515.60	0	227	0	0	729,490	523.65	0	511.50
Feb - Year 2	522.76	0	756	6,334	0	515.61	0	0	0	0	42	515.61	0	42	0	0	737,154	523.74	0	511.50
Mar - Year 2	522.92	0	837	7,013	0	515.61	0	0	0	0	13	515.61	0	13	0	0	745,639	523.83	0	511.50
Apr - Year 2	523.00	0	810	6,787	0	515.74	0	0	0	0	391	515.62	0	391	0	0	753,851	523.92	0	511.50
May - Year 2	523.00	587	837	7,013	0	516.23	563	9,667	0	0	5,295	515.85	1,003	5,295	0	0	762,336	524.01	0	511.50
Jun - Year 2	522.99	26,219	810	6,787	33,507	518.71	15,596	183,681	0	33,507	149,958	515.55	24,185	149,958	7,150	175,200	770,548	524.10	0	511.50
Jul - Year 2	522.73	2,306	837	7,013	30,170	517.76	1,157	51,560	0	30,170	125,344	516.03	4,603	125,344	7,300	109,500	779,033	524.19	0	511.50
Aug - Year 3	522.57	2,249	837	7,013	23,259	517.35	1,126	32,225	0	23,259	72,013	516.10	2,965	72,013	7,300	65,700	787,519	524.28	0	511.50
Sep - Year 3	522.52	5,794	810	6,787	19,444	517.12	3,362	41,892	0	19,444	72,958	515.43	5,334	72,958	7,150	89,400	795,731	524.37	0	511.50
Oct - Year 3	522.37	529	837	7,013	16,908	516.82	321	3,222	0	16,908	30,457	516.53	462	30,457	0	0	804,216	524.46	0	511.50
Nov - Year 3	522.29	0	810	6,787	12,833	516.95	0	0	0	12,833	8,445	516.80	0	8,445	0	0	812,428	524.55	0	511.50
Dec - Year 3	522.54	0	837	7,013	2,082	516.94	0	0	0	2,082	2,543	516.88	0	2,543	0	0	820,913	524.64	0	511.50
Jan - Year 3	522.76	0	837	7,013	747	516.94	0	0	0	747	851	516.91	0	851	0	0	829,398	524.73	0	511.50
Feb - Year 3	522.99	0	783	6,560	0	516.93	0	0	0	0	321	516.92	0	321	0	0	837,336	524.82	0	511.50
Mar - Year 3	523.00	0	837	7,013	0	517.10	0	0	0	0	1,824	516.98	0	1,824	0	0	845,822	524.91	0	511.50
Apr - Year 3	523.00	0	810	6,787	0	517.22	0	0	0	0	3,308	517.08	0	3,308	0	0	854,033	525.00	0	511.50
May - Year 3	523.00	918	837	7,013	0	517.55	464	9,667	0	0	6,787	517.30	921	6,787	0	0	862,519	525.09	0	511.50
Jun - Year 3	522.95	26,784	810	6,787	39,995	519.56	15,406	183,681	0	39,995	155,413	517.21	24,039	155,413	7,150	175,200	870,731	525.18	0	511.50
Jul - Year 3	522.51	5,106	837	7,013	31,916	518.82	265	51,560	0	31,916	124,047	517.52	3,697	124,047	7,300	109,500	879,216	525.27	0	511.50

Aug - Year 4	522.24	3,976	837	7,013	19,047	518.43	631	32,225	0	19,047	71,105	517.53	2,437	71,105	7,300	65,700	887,701	525.36	0	511.50
Sep - Year 4	522.25	6,150	810	6,787	15,957	518.20	3,261	41,892	0	15,957	71,323	516.97	5,246	71,323	7,150	89,400	895,913	525.45	0	511.50
Oct - Year 4	522.07	495	837	7,013	11,995	517.90	330	3,222	0	11,995	28,201	517.75	473	28,201	0	0	904,398	525.53	0	511.50
Nov - Year 4	522.11	0	810	6,787	7,174	517.95	0	0	0	7,174	5,529	517.88	0	5,529	0	0	912,610	525.60	0	511.50
Dec - Year 4	522.56	0	837	7,013	2,018	517.96	0	0	0	2,018	1,639	517.92	0	1,639	0	0	921,096	525.67	0	511.50
Jan - Year 4	522.87	0	837	7,013	777	517.96	0	0	0	777	782	517.94	0	782	0	0	929,581	525.75	0	511.50
Feb - Year 4	523.00	0	756	6,334	0	518.03	0	0	0	0	1,064	517.96	0	1,064	0	0	937,245	525.81	0	511.50
Mar - Year 4	523.00	0	837	7,013	0	518.13	0	0	0	0	3,341	518.04	0	3,341	0	0	945,731	525.88	0	511.50
Apr - Year 4	523.00	0	810	6,787	0	518.22	0	0	0	0	3,735	518.13	0	3,735	0	0	953,942	525.95	0	511.50
May - Year 4	523.00	1,149	837	7,013	0	518.49	368	9,667	0	0	6,953	518.30	823	6,953	0	0	962,428	526.02	0	511.50
Jun - Year 4	523.00	27,136	810	6,787	23,222	520.03	15,279	183,681	0	23,222	150,933	518.13	23,855	150,933	7,150	175,200	970,639	526.09	0	511.50
Jul - Year 4	522.81	5,951	837	7,013	17,669	519.27	-181	51,560	0	17,669	115,403	518.18	3,362	115,403	7,300	109,500	979,125	526.16	0	511.50
Aug - Year 5	522.78	3,934	837	7,013	12,842	518.87	394	32,225	0	12,842	67,098	518.10	2,297	67,098	7,300	65,700	987,610	526.23	0	511.50
Sep - Year 5	522.89	6,093	810	6,787	12,427	518.63	3,210	41,892	0	12,427	69,145	517.56	5,185	69,145	7,150	89,400	995,822	526.30	0	511.50
Oct - Year 5	522.81	504	837	7,013	10,315	518.35	335	3,222	0	10,315	27,164	518.22	476	27,164	0	0	1,004,307	526.37	0	511.50
Nov - Year 5	522.84	0	810	6,787	7,738	518.40	0	0	0	7,738	5,399	518.34	0	5,399	0	0	1,012,519	526.44	0	511.50
Dec - Year 5	523.00	0	837	7,013	0	518.47	0	0	0	0	2,739	518.40	0	2,739	0	0	1,021,004	526.51	0	511.50
Jan - Year 5	523.00	0	837	7,013	0	518.55	0	0	0	0	3,735	518.49	0	3,735	0	0	1,029,490	526.58	0	511.50
Feb - Year 5	523.00	0	756	6,334	0	518.63	0	0	0	0	3,118	518.56	0	3,118	0	0	1,037,154	526.65	0	511.50
Mar - Year 5	523.00	0	837	7,013	0	518.72	0	0	0	0	3,780	518.64	0	3,780	0	0	1,045,639	526.72	0	511.50
Apr - Year 5	523.00	0	810	6,787	0	518.79	0	0	0	0	3,705	518.72	0	3,705	0	0	1,053,851	526.79	0	511.50
May - Year 5	523.00	1,308	837	7,013	0	519.04	298	9,667	0	0	6,827	518.88	785	6,827	0	0	1,062,336	526.86	0	511.50
Jun - Year 5	523.00	27,397	810	6,787	864	520.40	15,192	183,681	0	864	151,092	518.72	23,793	151,092	7,150	175,200	1,070,548	526.93	0	511.50
Jul - Year 5	523.00	6,869	837	7,013	0	519.67	-541	51,560	0	0	113,129	518.71	3,101	113,129	7,300	109,500	1,079,033	527.00	0	511.50
Aug - Year 6	523.00	4,391	837	7,013	0	519.30	165	32,225	0	0	66,151	518.61	2,154	66,151	7,300	65,700	1,087,519	527.07	0	511.50
Sep - Year 6	523.00	6,211	810	6,787	0	519.10	3,156	41,892	0	0	70,172	518.13	5,155	70,172	7,150	89,400	1,095,731	527.14	0	511.50
Oct - Year 6	523.00	492	837	7,013	0	518.83	341	3,222	0	0	26,003	518.72	480	26,003	0	0	1,104,216	527.21	0	511.50
Nov - Year 6	523.00	0	810	6,787	0	518.88	0	0	0	0	4,952	518.83	0	4,952	0	0	1,112,428	527.28	0	511.50
Dec - Year 6	523.00	0	837	7,013	0	518.96	0	0	0	0	3,640	518.90	0	3,640	0	0	1,120,913	527.35	0	511.50
Jan - Year 6	523.00	0	837	7,013	0	519.04	0	0	0	0	3,761	518.98	0	3,761	0	0	1,129,398	527.42	0	511.50
Feb - Year 6	523.00	0	756	6,334	0	519.11	0	0	0	0	3,036	519.05	0	3,036	0	0	1,137,063	527.48	0	511.50
Mar - Year 6	523.00	0	162	1,357	0	519.19	0	675	5,655	0	3,684	519.12	0	3,684	0	0	1,138,957	527.50	6,591	514.37
Apr - Year 6	523.00	0	0	0	0	519.26	0	810	6,787	0	3,610	519.19	0	3,610	0	0	1,138,957	527.50	14,803	516.09
May - Year 6	523.00	1,454	0	0	0	519.46	242	10,504	7,013	0	6,293	519.33	755	6,293	0	0	1,138,957	527.50	23,288	517.31
Jun - Year 6	523.00	27,620	0	0	0	520.49	15,147	184,491	6,787	0	140,791	518.98	23,750	140,791	7,150	175,200	1,138,957	527.50	31,500	517.92
Jul - Year 6	523.00	7,753	0	0	0	519.74	-628	52,397	7,013	0	107,540	518.84	3,015	107,540	7,300	109,500	1,138,957	527.50	39,985	518.56
Aug - Year 7	523.00	4,846	0	0	0	519.35	129	33,062	7,013	0	63,676	518.69	2,125	63,676	7,300	65,700	1,138,957	527.50	48,471	519.09
Sep - Year 7	523.00	6,299	0	0	0	519.08	3,154	42,702	6,787	0	67,356	518.15	5,151	67,356	7,150	89,400	1,138,957	527.50	56,682	519.39
Oct - Year 7	523.00	485	0	0	0	518.82	341	4,059	7,013	0	25,003	518.72	480	25,003	0	0	1,138,957	527.50	65,168	519.70
Nov - Year 7	523.00	0	0	0	0	518.88	0	810	6,787	0	4,857	518.82	0	4,857	0	0	1,138,957	527.50	73,380	519.99
Dec - Year 7	523.00	0	0	0	0	518.96	0	837	7,013	0	3,637	518.90	0	3,637	0	0	1,138,957	527.50	81,865	520.30
Jan - Year 7	523.00	0	0	0	0	519.04	0	837	7,013	0	3,769	518.98	0	3,769	0	0	1,138,957	527.50	90,350	520.61
Feb - Year 7	523.00	0	0	0	0	519.11	0	783	6,560	0	3,150	519.05	0	3,150	0	0	1,138,957	527.50	98,288	520.89
Mar - Year 7	523.00	0	0	0	0	519.19	0	837	7,013	0	3,687	519.12	0	3,687	0	0	1,138,957	527.50	106,774	521.12
Apr - Year 7	523.00	0	0	0	0	519.26	0	810	6,787	0	3,611	519.19	0	3,611	0	0	1,138,957	527.50	114,985	521.30
May - Year 7	523.00	1,454	0	0	0	519.46	242	10,504	7,013	0	6,292	519.33	755	6,292	0	0	1,138,957	527.50	123,471	521.49
Jun - Year 7	523.00	27,620	0	0	0	520.49	15,147	184,491	6,787	0	140,788	518.97	23,750	140,788	7,150	175,200	1,138,957	527.50	131,682	521.67
Jul - Year 7	523.00	7,753	0	0	0	519.74	-627	52,397	7,013	0	107,541	518.84	3,016	107,541	7,300	109,500	1,138,957	527.50	140,168	521.85
Aug - Year 8	523.00	4,846	0	0	0	519.35	130	33,062	7,013	0	63,677	518.69	2,125	63,677	7,300	65,700	1,138,957	527.50	148,653	522.04
Sep - Year 8	523.00	6,299	0	0	0	519.08	3,154	42,702	6,787	0	67,356	518.15	5,151	67,356	7,150	89,400	1,138,957	527.50	156,865	522.22
Oct - Year 8	523.00	485	0	0	0	518.82	341	4,059	7,013	0	25,003	518.72	480	25,003	0	0	1,138,957	527.50	165,350	522.40

Nov - Year 8	523.00	0	0	0	0	518.87	0	810	6,787	0	4,858	518.82	0	4,858	0	0	1,138,957	527.50	173,562	522.58
Dec - Year 8	523.00	0	0	0	0	518.96	0	837	7,013	0	3,637	518.90	0	3,637	0	0	1,138,957	527.50	182,047	522.77
Jan - Year 8	523.00	0	0	0	0	519.04	0	837	7,013	0	3,771	518.98	0	3,771	0	0	1,138,957	527.50	190,533	522.96
Feb - Year 8	523.00	0	0	0	11,575	519.26	0	756	6,334	11,575	6,057	519.10	0	6,057	0	0	1,138,957	527.50	198,197	523.10
Mar - Year 8	523.00	0	0	0	0	519.30	0	837	7,013	0	5,896	519.22	0	5,896	0	0	1,138,957	527.50	206,682	523.25
Apr - Year 8	523.00	0	0	0	0	519.36	0	810	6,787	0	3,851	519.30	0	3,851	0	0	1,138,957	527.50	214,894	523.39
May - Year 8	523.00	613	0	0	0	519.56	228	10,504	7,013	0	6,292	519.44	748	6,292	0	0	1,138,957	527.50	223,380	523.54
Jun - Year 8	523.00	26,130	0	0	26,726	520.79	15,105	184,491	6,787	26,726	151,593	519.30	23,729	151,593	7,150	175,200	1,138,957	527.50	231,591	523.68
Jul - Year 8	523.00	1,873	0	0	24,701	520.26	-1,008	52,397	7,013	24,701	119,828	519.41	2,803	119,828	7,300	109,500	1,138,957	527.50	240,077	523.83
Aug - Year 9	523.00	1,547	0	0	14,480	520.08	-170	25,596	5,429	14,480	57,938	519.47	1,501	57,938	5,652	50,865	1,138,957	527.50	246,646	523.94

TABLE 8: ANNUAL INFLOWS AND OUTFLOWS TO CELLS UNDER MEAN PRECIPITATION YEARS

Month Beginning Year	Cell A Yearly Water Balance					Cell B Yearly Water Balance						Cell C Yearly Water Balance				
	Year-End Pond Water of Cell A*	Direct Cell A Precipitation – Evaporation + Runoff from Watershed of Cell A	Runoff Water Collected from Catchmen ts of Areas A and B, Plant Site Area, and Pit Area and Sewage into Cell A	Free Water from Tailings Placed in Cell A	Water Flowing from Cell A to Cell B (Seeping through Divider Dyke A when Fine PK Ele. In Cell A <524.0 m	Year End Pond Water Elevation of Cell B	Direct Cell B Precipitation -- Evaporation + Runoff from Watershed of Cell B	Runoff Water Collected from Catchments of Areas A and B, Plant Site Area, and Pit Area and Sewage into Cell B	Free Water from Tailings Placed in Cell B	Water Flowing from Cell A to Cell B (Seeping through Divider Dyke A when fine PK Ele. In Cell A <524.0 m)	Water Flowing from Cell B into Cell C (Seeping through Divider Dyke B after Year 1	Year End Pond Water Elevation of Cell C	Direct Cell C Precipitation – Evaporation + Runoff from Watershed of Cell C	Water Flowing from Cell B to Cell C (Seeping through Divider Dyke B after Year 1	Water Reclaimed from Cell C to Plant	Water Release from Cell C to Stream C3
	(m)	(m ³)	(m ³)	(m ³)	(m ³)	(m)	(m ³)	(m ³)	(m ³)	(m ³)	(m ³)	(m)	(m ³)	(m ³)	(m ³)	(m ³)
Aug-Year 1	520.28	40,343	9,855	82,570	95,003	516.10	23,197	322,247	0	95,003	405,769	514.57	39,517	405,769	28,900	439,800
Aug-Year 2	521.93	37,854	9,855	82,570	109,535	516.55	22,424	322,247	0	109,535	454,206	515.05	38,867	454,206	28,900	439,800
Aug-Year 3	522.57	41,380	9,882	82,796	147,184	517.35	20,943	322,247	0	147,184	478,967	516.10	37,417	478,967	28,900	439,800
Aug-Year 4	522.24	44,856	9,855	82,570	97,859	518.43	19,688	322,247	0	97,859	460,008	517.53	36,196	460,008	28,900	439,800
Aug-Year 5	522.78	46,105	9,855	82,570	44,185	518.87	18,889	322,247	0	44,185	456,932	518.10	35,637	456,932	28,900	439,800
Aug-Year 6	523.00	47,920	5,886	49,316	0	519.30	18,421	326,216	33,254	0	439,634	518.61	35,309	439,634	28,900	439,800
Aug-Year 7	523.00	48,455	0	0	0	519.35	18,385	332,129	82,796	0	433,367	518.69	35,277	433,367	28,900	439,800
Aug-Year 8	523.00	40,246	0	0	63,002	519.35	17,949	332,102	82,570	63,002	461,819	518.69	35,036	461,819	28,900	439,800
Aug-Year 9	523.00	1,547	0	0	14,480	520.08	-170	25,596	5,429	14,480	57,938	519.47	1,501	57,938	5,652	50,865

APPENDIX B

APPENDIX B FLOCCULANT DATA SHEETS
