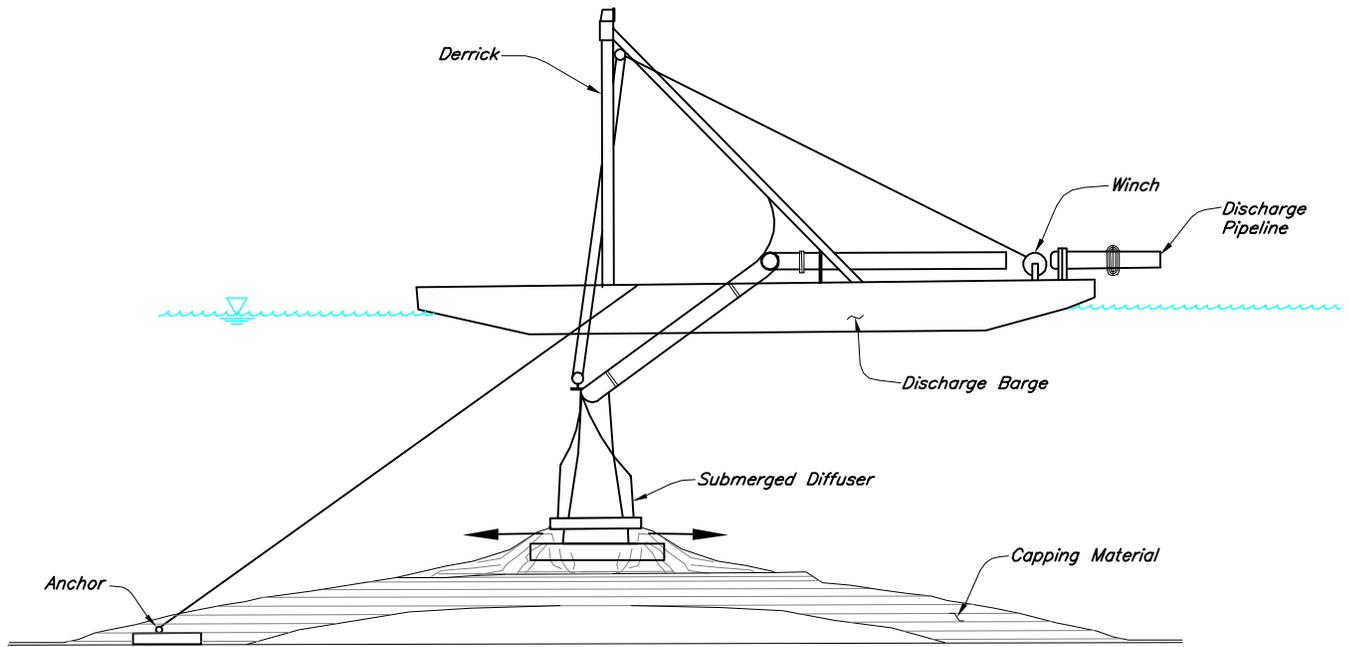


Appendix C

Kensington Project Tailings Storage Facility Design Figures



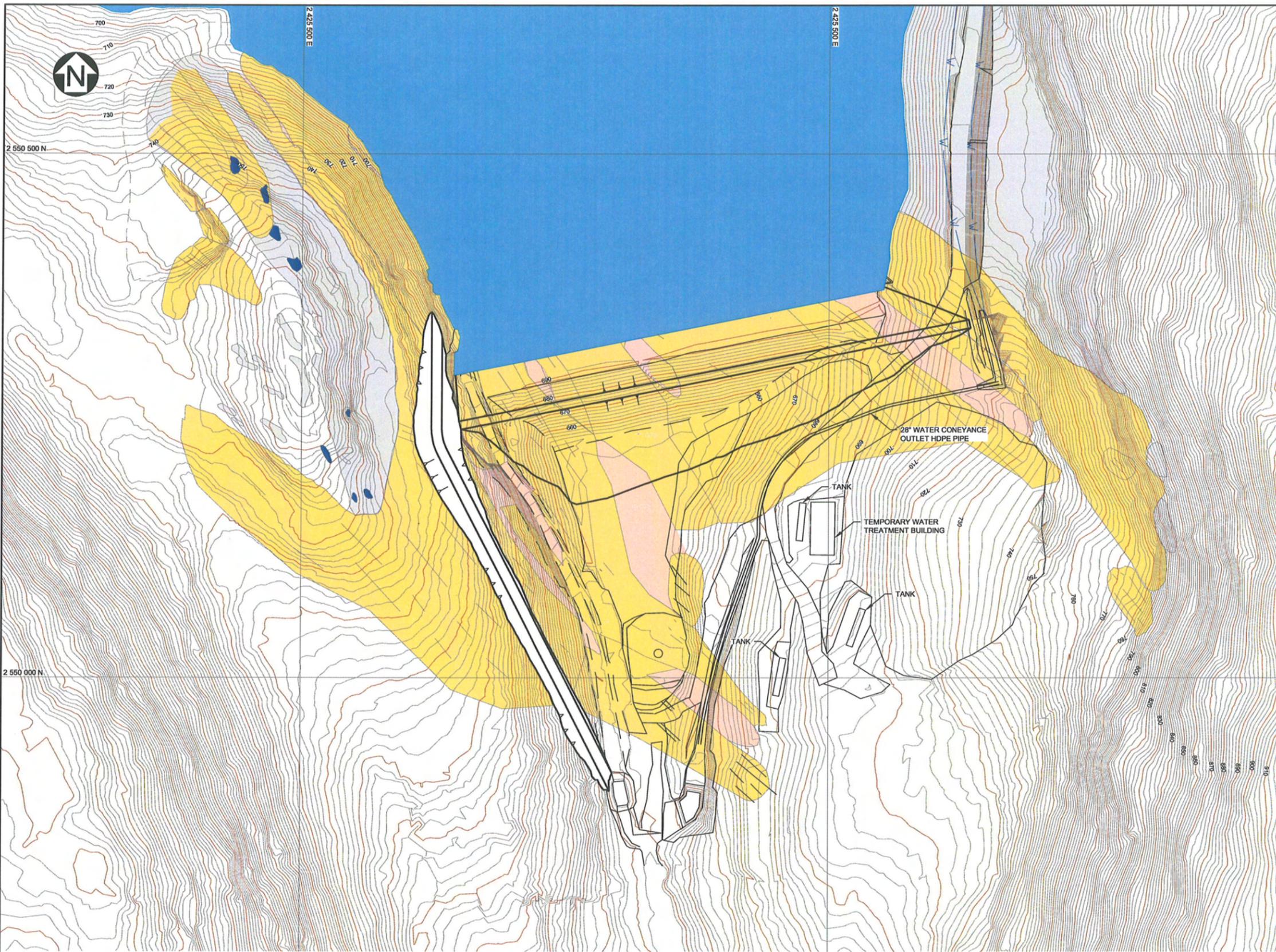
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COEUR ALASKA INC.		
KENSINGTON PROJECT		
LOWER SLATE LAKE – TTF CONCEPT FOR SUB-AQUEOUS CAPPING		
<i>Knight Piésold</i> CONSULTING	PROJECT/ASSIGNMENT NO. VA101-20/8	REF. NO. 1014
	FIGURE 1	
REV. 0	13OCT'04	ISSUED FOR MEMO

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LEGEND:

- MIXED CHLORITIC/GRAPHITIC PHYLLITE AND CARBONACEOUS QUARTZITE
- GRAPHITIC PHYLLITE
- QUARTZ VEINING
- CHLORITIC BED
- PYRITE

NOTES:

1. COORDINATE GRID IS UTM (NAD27) ALASKA STATE PLANE, ZONE 1.
2. PLAN BASED ON INFORMATION PROVIDED BY COEUR ALASKA INC.
3. CONTOUR INTERVAL IS 2 FEET.
4. DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.
5. INTERIM SPILLWAY EXCAVATED IN ROCK.
6. ALL EXCAVATED ROCK SURFACES COVERED WITH SHOTCRETE IF REQUIRED AS PER FIELD INSTRUCTION.

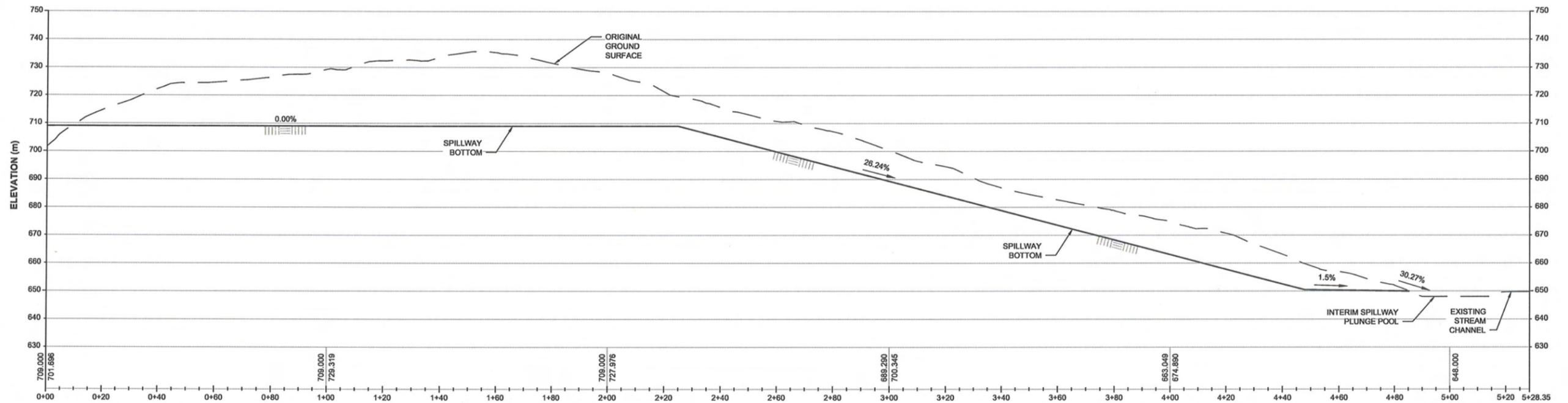
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KENSINGTON PROJECT							
TAILING TREATMENT FACILITY STAGE 2 INTERIM SPILLWAY PLAN							
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P/A NO. VA101-20/5	REF NO. -						
FIGURE 1							
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PROFILE
INTERIM SPILLWAY
 SCALE A

NOTES:

1. COORDINATE GRID IS UTM (NAD27) ALASKA STATE PLANE, ZONE 1.
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5. INTERIM SPILLWAY EXCAVATED IN ROCK.
6. ALL EXCAVATED ROCK SURFACES COVERED WITH SHOTCRETE IF REQUIRED AS PER FIELD INSTRUCTION.

PROGRESS PRINT
NOV. 05, 2010 (4:17 PM)

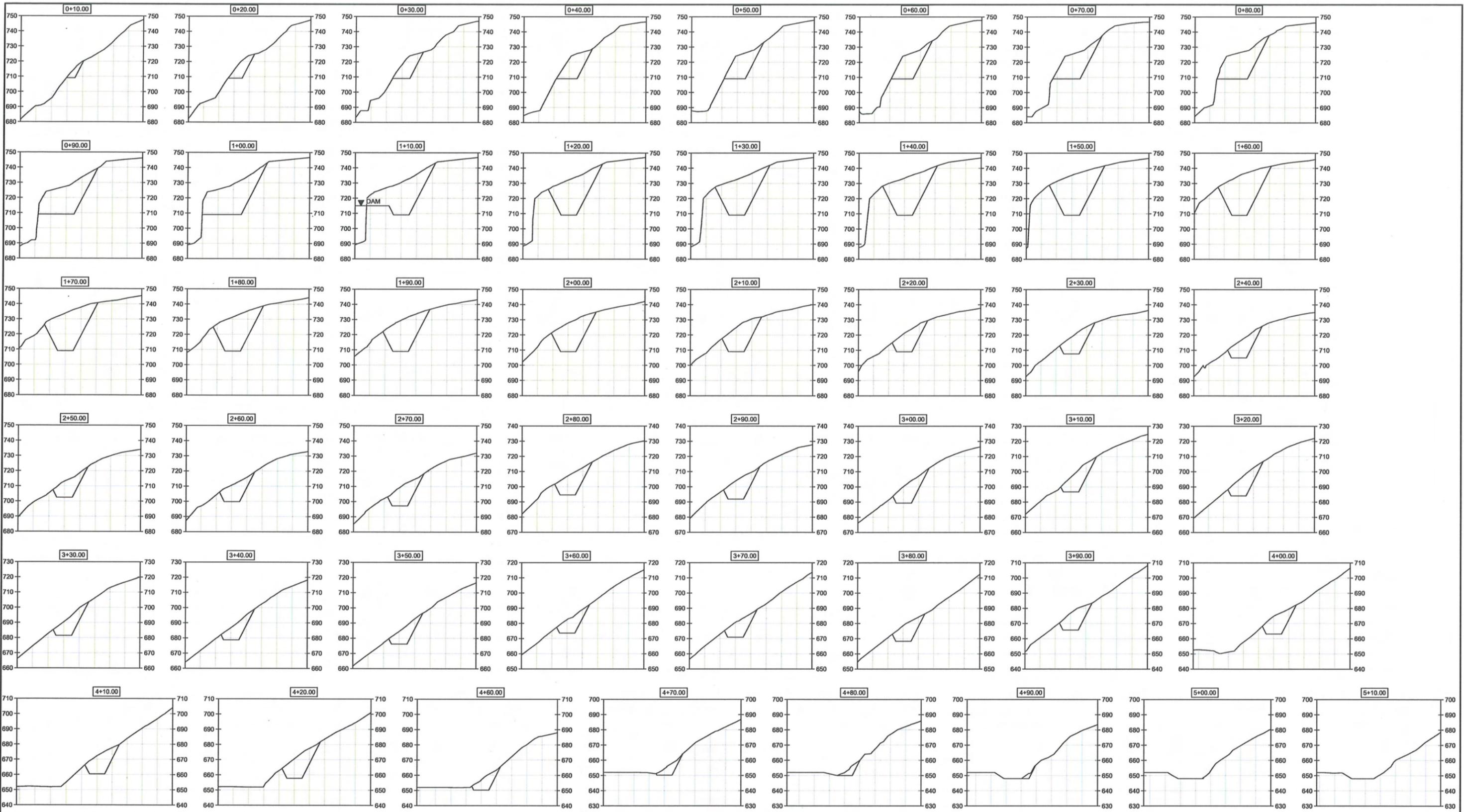


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KENSINGTON PROJECT							
TAILING TREATMENT FACILITY STAGE 2 INTERIM SPILLWAY PROFILE							
<i>Knight Piésold</i> CONSULTING	<table border="1"> <tr> <td>P/A NO. VA101-20/5</td> <td>REF NO. -</td> </tr> <tr> <td colspan="2" style="text-align: center;">FIGURE 2</td> </tr> <tr> <td>REV A</td> <td></td> </tr> </table>	P/A NO. VA101-20/5	REF NO. -	FIGURE 2		REV A	
P/A NO. VA101-20/5	REF NO. -						
FIGURE 2							
REV A							

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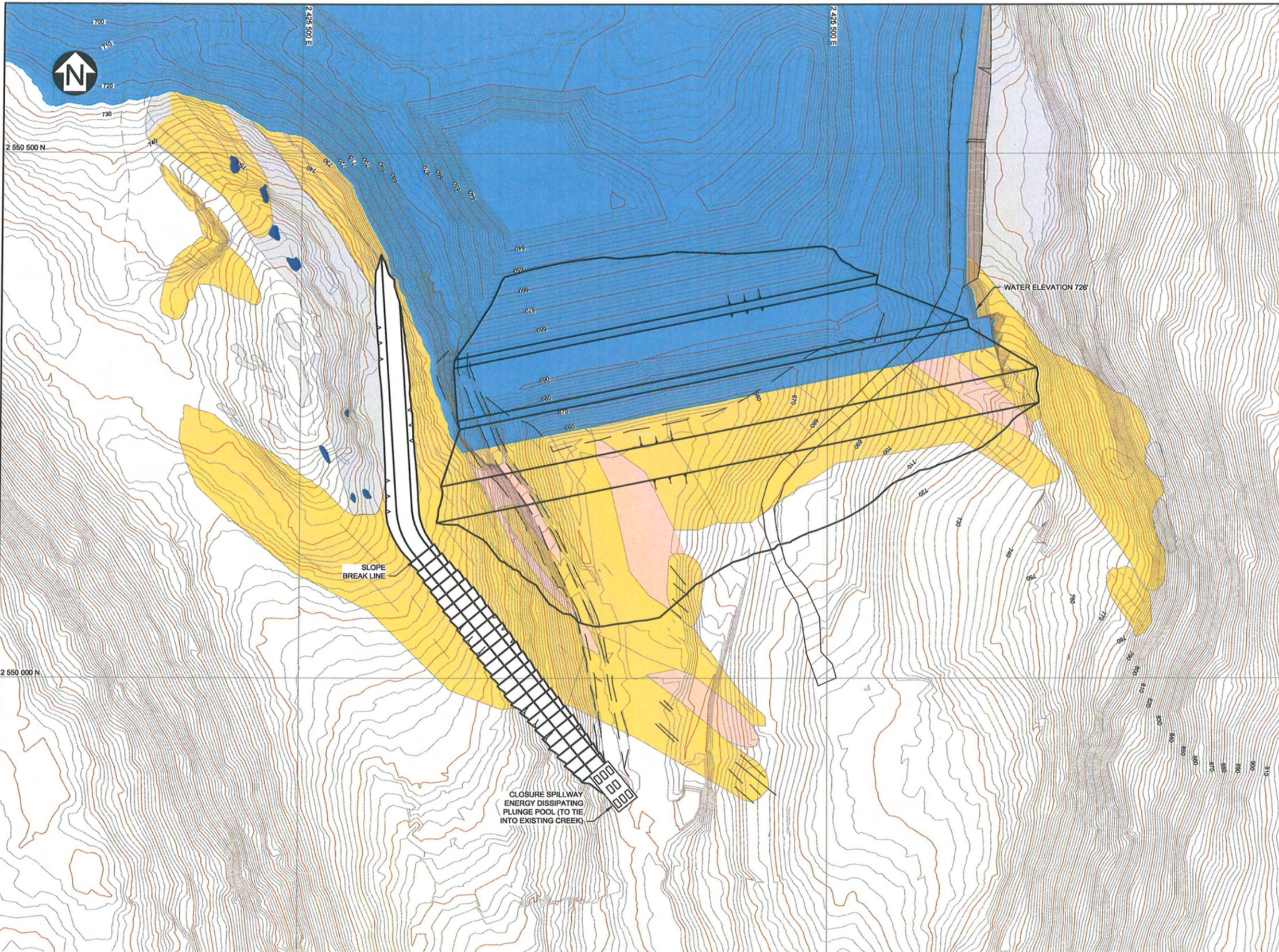


NOTES:

1. COORDINATE GRID IS UTM (NAD27) ALASKA STATE PLANE, ZONE 1.
2. PLAN BASED ON INFORMATION PROVIDED BY COEUR ALASKA INC.
3. CONTOUR INTERVAL IS 2 FEET.
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5. INTERIM SPILLWAY EXCAVATED IN ROCK.
6. ALL EXCAVATED ROCK SURFACES COVERED WITH SHOTCRETE IF REQUIRED AS PER FIELD INSTRUCTION.

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COEUR ALASKA INC.					
KENSINGTON PROJECT					
TAILING TREATMENT FACILITY STAGE 2 INTERIM SPILLWAY SECTIONS					
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P/A NO.	REF NO.				
VA101-20/5	-				
FIGURE 3					
REV	A				



LEGEND:

- MIXED CHLORITIC/GRAPHITIC PHYLLITE AND CARBONACEOUS QUARTZITE
- GRAPHITIC PHYLLITE
- QUARTZ VEINING
- CHLORITIC BED
- PYRITE

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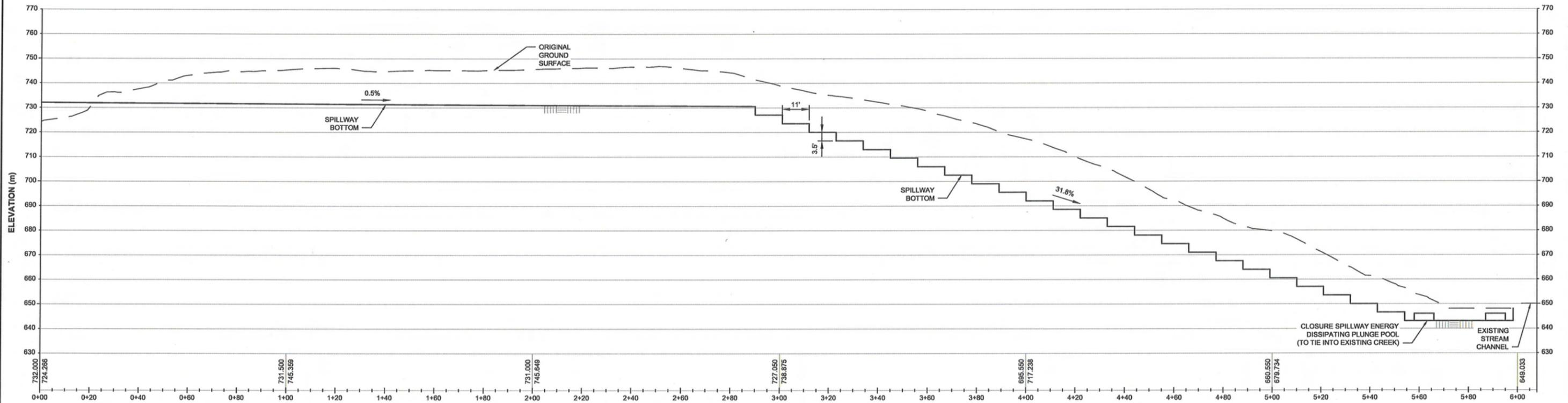
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COEUR ALASKA INC.							
KENSINGTON PROJECT							
TAILING TREATMENT FACILITY CLOSURE SPILLWAY PLAN							
<i>Knight Piésold</i> CONSULTING	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">P/A NO. VA101-20/5</td> <td style="font-size: small;">REF NO. -</td> </tr> <tr> <td colspan="2" style="text-align: center;">FIGURE 4</td> </tr> <tr> <td style="font-size: x-small;">REV A</td> <td style="font-size: x-small;">APP'D</td> </tr> </table>	P/A NO. VA101-20/5	REF NO. -	FIGURE 4		REV A	APP'D
P/A NO. VA101-20/5	REF NO. -						
FIGURE 4							
REV A	APP'D						

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REV	DATE	DESCRIPTION	DESIGNED	DRAWN	CHKD	APP'D



**PROFILE
INTERIM SPILLWAY
SCALE A**

NOTES:

1. COORDINATE GRID IS UTM (NAD27) ALASKA STATE PLANE, ZONE 1.
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3. CONTOUR INTERVAL IS 2 FEET.
4. DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.
5. CLOSURE SPILLWAY EXCAVATED IN ROCK.
6. ALL EXCAVATED ROCK SURFACES COVERED WITH SHOTCRETE IF REQUIRED AS PER FIELD INSTRUCTION.

**PROGRESS PRINT
NOV. 10, 2010 (5:12 PM)**



COEUR ALASKA INC.							
KENSINGTON PROJECT							
TAILING TREATMENT FACILITY CLOSURE SPILLWAY PROFILE							
<i>Knight Piésold</i> CONSULTING	<table border="1"> <tr> <td>P/A NO. VA101-20/5</td> <td>REF NO. -</td> </tr> <tr> <td colspan="2">FIGURE 5</td> </tr> <tr> <td></td> <td>REV A</td> </tr> </table>	P/A NO. VA101-20/5	REF NO. -	FIGURE 5			REV A
P/A NO. VA101-20/5	REF NO. -						
FIGURE 5							
	REV A						

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TABLE 1

COEUR ALASKA INC
KENSINGTON PROJECT

COST ESTIMATE
STAGE 2 CLOSURE SPILLWAY

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Item	Description	Units	Unit Cost	Quantity	Cost
SPILLWAY - UPGRADED FOR CLOSURE CONDITIONS					
1	Drill and Blast	cy	\$5	6,500	\$32,500
2	Excavation	cy	\$10	6,500	\$65,000
3	Haulage and Disposal	cy	\$15	6,500	\$97,500
4	Shotcrete	cy	\$150	400	\$60,000
5	Concrete	cy	\$250	100	\$25,000
6	Reinforced Concrete (Steps/Plunge Pool)	cy	\$1,000	400	\$400,000
7	Riprap	cy	\$30	2,000	\$60,000
8	Outlet Berm	cy	\$20	2,000	\$40,000
EMBANKMENT FACE EROSION PROTECTION					
9	Zone D	cy	\$30	1,250	\$37,500
10	Zone F	cy	\$30	1,250	\$37,500
11	Riprap	cy	\$30	3,500	\$105,000
Total					\$960,000

C:\Documents and Settings\Administrator\Desktop\[Spillway Cost Estimates_rC (Revised based on review comments).xls]Stage 2

1. DRILL AND BLAST, EXCAVATION, AND HAULAGE AND DISPOSAL QUANTITY ESTIMATES DETERMINED USING AUTOCAD CIVIL 3D USING CHANNEL CONFIGURATION AND ALIGNMENT SHOWN ON FIGURES 1-3. VOLUME REPORTED IN TABLE 1 IS THE ADDITIONAL VOLUME OF EXCAVATION REQUIRED TO UPGRADE STAGE 2 INTERIM SPILLWAY FOR CLOSURE CONDITIONS. TOTAL VOLUME IS APPROXIMATELY 11,500 CUBIC METERS.
2. SHOTCRETE QUANTITY ESTIMATED BASED ON THE SURFACE AREA OF CHANNEL SIDE SLOPES COVERED WITH 6" OF SHOTCRETE.
3. CONCRETE QUANTITY ESTIMATED BASE ON THE AREA OF CHANNEL SURFACE THAT WOULD BE COVERED WITH 6" OF CONCRETE.
4. THE QUANTITY OF CONCRETE REQUIRED FOR REINFORCED CONCRETE STEPS IS BASED ON DIMENSIONS ILLUSTRATED ON FIGURE 2.

B	24NOV'11	ISSUED WITH INFORMATION	BH	-	-
A	4FEB'11	ISSUED WITH INFORMATION	BH	-	-
REV	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D

TABLE 2

COEUR ALASKA INC
KENSINGTON PROJECT

COST ESTIMATE
STAGE 3 CLOSURE SPILLWAY

Print Nov/25/11 10:26:22

Item	Description	Units	Unit Cost	Quantity	Cost
SPILLWAY					
1	Drill and Blast	cy	\$5	15,000	\$75,000
2	Excavation	cy	\$10	15,000	\$150,000
3	Haulage and Disposal	cy	\$15	15,000	\$225,000
4	Shotcrete	cy	\$150	700	\$105,000
5	Concrete	cy	\$250	125	\$31,250
6	Reinforced Concrete (Steps/Plunge Pool)	cy	\$1,000	500	\$500,000
7	Riprap	cy	\$30	2,000	\$60,000
8	Outlet Berm	cy	\$20	2,000	\$40,000
EMBANKMENT EROSION PROTECTION					
9	Zone D	cy	\$30	1,500	\$45,000
10	Zone F	cy	\$30	1,500	\$45,000
11	Riprap	cy	\$30	4,000	\$120,000
Grand Total					\$1,396,250

C:\Documents and Settings\Administrator\Desktop\[Spillway Cost Estimates_rC (Revised based on review comments).xls]Closure

1. DRILL AND BLAST, EXCAVATION, AND HAULAGE AND DISPOSAL QUANTITY ESTIMATES DETERMINED USING AUTOCAD CIVIL 3D USING CHANNEL CONFIGURATION AND ALIGNMENT SHOWN ON FIGURES 4-6.
2. SHOTCRETE QUANTITY ESTIMATED BASED ON THE SURFACE AREA OF CHANNEL SIDE SLOPES COVERED WITH 6" OF SHOTCRETE.
3. CONCRETE QUANTITY ESTIMATED BASE ON THE AREA OF CHANNEL SURFACE THAT WOULD BE COVERED WITH 6" OF CONCRETE.
4. THE QUANTITY OF CONCRETE REQUIRED FOR REINFORCED CONCRETE STEPS IS BASED ON DIMENSIONS ILLUSTRATED ON FIGURE 5.

B	24NOV'11	ISSUED WITH INFORMATION	BH	-	-
A	4FEB'11	ISSUED WITH INFORMATION	BH	-	-
REV	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D