ITEM NO.	EQUIPMENT NUMBER	PRODUCT PUMPED	PUMP SERVICE		MATERIAL								PIPE						HEAD										PUMP												MTR.		DRIVE						REMARKS	ITEM NO.
			FROM	TO	DRY SOLIDS M.T.P.H.	SOLIDS S.G.	TEMPERATURE	SLURRY % SOLIDS (w/w)	SOLIDS SIZE (mm)	SLURRY S.G.	OPERATING FLOW m3/h	DESIGN FLOW m3/h	PIPE LINE MATERIAL	PIPE SCHEDULE	NOMINAL DIAMETER (mm)	ACTUAL I.D. (mm)	FLOW VELOCITY mps	EQUIVALENT PIPE LENGTH (METRES)	"C" VALUE	FRICTION m/100m	FRICTION LOSS METRES	SUCTION LIFT METRES	STATIC DISCHARGE HEAD	PRESSURE HEAD METRES	VELOCITY HEAD METRES	OPERATING T.D.H. METRES	T.D.H. FACTOR	DESIGN T.D.H. METRES	PUMP TYPE	PUMP MANUFACTURER	MODEL NO.	PUMP SIZE (mm)	CASING & IMPELLER MATERIAL	IMPELLER TYPE	IMPELLER DIAMETER (mm)	PUMP SPEED R.P.M.	TYPE OF SEAL	OPERATING EFFICIENCY %	OPERATING bkW	DESIGN bkW	MOTOR kW	MOTOR R.P.M.	DRIVE RATIO	MOTOR SHEAVE DIA.	PUMP SHEAVE DIA.	SHEAVE CENTERS	BELT LENGTH	NUMBER OF BELTS		
1	100-63-01	FINE COAL SLURRY	FINE COAL PUMPBOX 100-82-01	HYDRO CYCLONE 051	28	1.5	AMB	10.7	1.0	1.1		252																23	A.H. SLURRY	WARMAN	DAH	150 x 100	METAL	CLOSED	385	1000	CENT.	76		22	30	1800								1
2																																																		2
3	100-63-02	DENSE MEDIUM COAL SLURRY	MIXING PUMPBOX 100-82-02	DENSE MEDIUM CYCLONES 100-22-01 & 02	128	-	AMB		50	1.68		450																29	A.H. SLURRY	WARMAN	EAH	200 x 150	METAL	CLOSED	510	880	CENT.	70		101	113	1800								3
4																																																		4
5	100-63-03	MAGNETITE SLURRY	CIRCULATING MEDIUM PUMPBOX 100-82-03	MIXING PUMPBOX 100-82-02	-	-	AMB		-	1.7		458																20	SLURRY	WARMAN	EM	200	METAL	CLOSED	549	695	CENT.	64		76.5	94	1800								5
6																																																		6
7	100-63-04	EFFLUENT	EFFLUENT PUMPBOX 100-82-04	EXISTING REJECT PUMPBOX	-	-	AMB		-	1.0		339																8.7	SLURRY	WARMAN	EMU	200	METAL	CLOSED	549	443	CENT.	70		11.6	15	1800								7
8																																																		8
9	100-63-05	FINE COAL SLURRY	CLASSIFYING CYCLONE PUMPBOX 100-82-05	CLASSIFYING CYCLONE 100-22-03 & 04	25	-	AMB		1.0	1.1		244																31.4	SLURRY	WARMAN	DAH	150 x 100	METAL	CLOSED	385	1130	CENT.	75		29	38	1800								9
10																																																		10
11	100-63-06	RAW COAL SLURRY	PRE-WET SCREEN U/F PUMPBOX	DESLIMING SIEVE BENDS	168	1.5	AMB	40	50	1.16		350																13.9	SLURRY	WARMAN	EAH	200 x 150	METAL	CLOSED	510	585	CENT.	71		24.8	30	1800								11
12																																																		12
13	100-63-07	TAILING	EAGLE WASH. TAILING PUMPBOX	TAILING POND	20.5	1.5	AMB	6	1.0	1.02		340																47.5	SLURRY	WARMAN	EMU	200	METAL	CLOSED	549	382	CENT.	70		11.3	15	1800								13
14																																																		14
15	100-63-08	EFFLUENT	EAGLE WASH. MAG. SEP. EFFLUENT	CL. COAL D&R SCREEN 100-11-08					1.0																																							BY OWNER	15
16																																																		16
17	100-63-09	PROCESS WATER	PROCESS WATER TANK	P.M. PLANT P.W HEAD TANK	-	-	AMB	-	-	1.0		291.																																						17
18																																																		18
19																																																		19
20																																																		20
21	100-64-01	COAL SLURRY	FLOOR SUMP 100-82-01	REFUSE D & R SCREEN 100-11-10			AMB	25	15	1.5		25																15.0	SLURRY	WARMAN	QUSP	65				1140		35		6.2	7.5	1800								21
22																																																		22
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NOT FOR CONSTRUCTION

ENGINEERING DATA CONTAINED HEREIN ARE RESTRICTED IN USE FOR THE ORIGINAL PURPOSE FOR WHICH THEY ARE PREPARED

DWG.NO	REFERENCE DRAWINGS

No.	DESCRIPTION	DATE	BY
	REVISIONS		
	REVISIONS		
A	DRAWINGS RE-ISSUED - NO CHANGES TO PREVIOUS ISSUE	JUN95	GWL
	REVISIONS		

SECTION: MECHANICAL
SCALE: NONE — DATE
DESIGNED BY: GWL — JUL'93
DRAWN BY: GWL — JUL'93
CHECKED BY:
APPROVED BY:

CLIENT: BRINCO COAL MINING CORPORATION
Division of Hillsborough Resources Limited
LOCATION: CAMPBELL RIVER B.C.

KILBORN

TITLE
QUINSAM COAL - WASH PLANT EXPANSION
PROCESS PUMP
DATA SHEET

ACCT. No.
PROJECT No.: 8537
DWGN No.: 25
DRAWING NUMBER: 100-16-004
REV: A

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