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CURRAGH RESOURCES INC.
FARO DEPOSIT
U/G EXPLORATION, DEVELOPMENT, & MINING
JULY 1987

**CANADIAN
MINE
DEVELOPMENT**

**ENGINEERS
CONTRACTORS
SERVING THE MINING INDUSTRY**

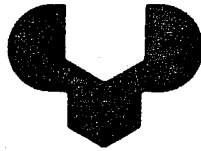
CURRAGH RESOURCES INC.
FARO DEPOSIT
U/G EXPLORATION, DEVELOPMENT, & MINING

INDEX

COVERING LETTER

COSTS SUMMARY
 MOBILIZATION, COLLAR EXCAVATION
 DECLINE
 RAISES
 MINING - TRACKLESS
 MINING - SLUSHER STOPES

DRAWINGS



CANADIAN MINE DEVELOPMENT

July 21st, 1987

Mr. M. Pelly, Vice President
Curragh Resources Inc.
202 - 2131 2nd Avenue
WHITEHORSE, YT
Y1A 1C3

Dear Mr. Pelly:

**RE: CURRAGH RESOURCES - FARO DEPOSIT
UNDERGROUND EXPLORATION, DEVELOPMENT, AND MINING**

Attached is our proposal for the above project covering layouts, schedules, and budget prices. Prices are based on work done by a contractor.

In order to achieve a production of 500,000 tonnes per year as of the second quarter 1989, preproduction development must commence in the third quarter 1988.

PREPRODUCTION DEVELOPMENT

The orebody would be opened by a decline, 3.35 m high and 6 m wide, driven at -15%. (Drawing Nos. 87-30-005 and 006) The decline would be driven in ore except for the first 185 metres. Two ventilation raises would provide fresh air and a second exitway.

MINING

We have divided the reserves as follows:

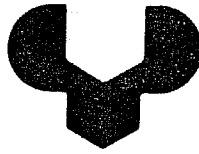
MORE THAN 3 METRES THICK	1,800,000 tonnes
NARROW ZONES	200,000 tonnes

Mining Thick Zone

Mining method would be room and pillar, modified to suit the trackless mobile equipment. The size of pillars would be flexible, according to ground conditions.

In general, mining would proceed by driving a series of drifts, up to 10 metres wide, and a series of 6 metre wide connecting crosscuts, leaving pillars 10 m x 10 m.

The drifts and crosscuts would be driven up dip at 15% inclination.



Mr. M. Pelly

- 2 -

July 21st, 1987

The backs of the drifts would follow the hangingwall contact of the ore. Ore thicker than the height of the drifts would be benched.

The overall ore extractions, as laid out, would be in the order of 72-75%, influenced by ground conditions.

Mining Narrow Zones

Mining narrow zones would be by slusher stopes, leaving up dip pillars. We have sized the room width 10 metres, leaving 4 metre wide pillars.

PRICES

Prices do not include cost of electric power and air heating (estimated at \$100,000 per year). Room and board costed in the prices is \$25 per manday, as we have ignored the cost of accommodation.

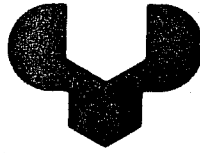
Owner would provide the geological control.

The unit prices were calculated as follows:

Mobilization & Surface Setup		\$ 395,000.00
Collar		\$ 25,000.00
Access Ramp	- in waste	\$ 500.33
	- in ore	\$ 504.85
Haulage Drifts	- single heading	\$ 504.85
	- multiple heading	\$ 438.61
Ventilation Raise	- per foot	\$ 264.43
Alimak Raise	- per foot	\$ 279.35

SCOPE OF PREPRODUCTION WORK

<u>Description</u>	<u>Feet</u>
Collar	30
Ramp in Waste	573
Ramp in Ore	1,511
Lower Haulage Drift No. 1	1,420
Lower Haulage Drift No. 2	1,360
Crosscuts (Remuck Station) (4)	140
Upper Haulage Drift No. 1	950
Upper Haulage Drift No. 2	790
Crosscuts (Remuck Station) (2)	70
Remuck	120
Total Drifts	6,964 feet
	2,123 metres
In Ore Total	6,361 feet
	1,939 metres
Tonnes of Ore	118,000 tonnes



Mr. M. Pelly

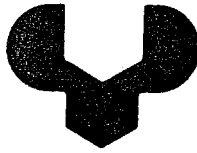
- 3 -

July 21st, 1987

MANPOWER

Preproduction Development Shift	<u>D</u>	<u>A</u>	<u>N</u>	<u>Total</u>
Project Superintendent	1	-	-	1
Shiftboss	1	1	1	3
Mechanic	1	1	1	3
Electrician	1	-	-	1
Surveyor	1	-	-	1
Clerk	1	-	-	1
Miner	3	3	3	9
Total	9	5	5	19

Mining 1,500 TPD Shift	<u>D</u>	<u>A</u>	<u>N</u>	<u>G</u>	<u>Total</u>
Project Manager	1	-	-	-	1
Night Captain	-	-	1	-	1
Shiftboss	1	1	-	1	3
Engineer/Surveyor	2	-	-	-	2
Master Mechanic	1	-	-	-	1
Chief Electrician	1	-	-	-	1
Clerk	1	-	-	-	1
Mechanic	1	1	1	1	4
Electrician	-	-	1	-	1
Miners:					
Drill Jumbo	2	2	-	2	6
Scoop Operator	1	1	-	1	3
Truck Operator	1	1	-	1	3
Rockbolter	1	1	-	1	3
Load/Blast	2	2	-	2	6
Services, Grader	2	-	2	-	4
Total	17	9	5	9	40



Mr. M. Pelly

- 4 -

July 21st, 1987

POWER REQUIREMENTS

Preproduction Development

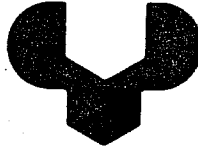
Power Requirements	Peak HP	Actual Load HP	Hours Operating	HP Hours
3 boom electric/hydraulic jumbo	4 x 50	125	12	1,500
600 CFM electric compressor	125	75	24	1,800
Fresh water pump	10	6	24	144
Discharge pumps	43	27	24	648
Fans	3 x 75	135	24	3,240
Surface Plant	50	30	24	720
	<u>653</u>	<u>398</u>		<u>8,052</u>

Peak HP = 653 HP = 487 KW
 Actual HP = 398 HP = 297 KW
 Consumption = $8,052 \div 24 = 336$ HP = 258 KWh/hour

Mining

Power Requirements	Peak HP	Actual Load HP	Hours Operating	HP Hours
3 boom electric/hydraulic jumbo	4 x 50	125	20	2,500
600 CFM electric compressor	125	75	24	1,800
Fresh water pump	10	6	24	144
Discharge pumps	120	70	24	1,680
Fans	6 x 75	270	24	6,480
Surface Plant	75	45	24	1,080
	<u>980</u>	<u>591</u>		<u>13,684</u>

Peak HP = 980 HP = 731 KW
 Actual HP = 591 HP = 441 KW
 Consumption = $13,684 \div 24 = 570$ HP = 425 KWh/hour



Mr. M. Pelly

- 5 -

July 21st, 1987

We would like to emphasize that these prices are for budget purposes only. A site visit and detailed surface arrangement layouts are required to refine the proposal.

We hope that the information will serve your needs.

As discussed on the phone, we will be pleased to discuss the proposal with you or answer any questions you may have, during your visit to Toronto.

Yours very truly,

CANADIAN MINE DEVELOPMENT

J. I. TATAK, P.Eng.
Vice President - Engineering

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CURRAGH RESOURCES INC.
 FARO DEPOSIT
 PRODUCTION & COST BY QUARTERS

	YEAR	1988				1989				1990				1991				1992			1993			TOTAL
	QUARTER	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2				
TONNES MINED																								
PREPRODUCTION DEVELOPMENT		0	53,500	64,500																		118,000		
MINING 1989					125,000	125,000																250,000		
1990							125,000	125,000	125,000	125,000												500,000		
1991											125,000	125,000	125,000	125,000								500,000		
1992 (JUMBO) (SLUSHER)															125,000	125,000	125,000	73,000				448,000		
1993 (SLUSHER)																		52,000		125,000	23,000	148,000		
TOTAL TONNES ORE PRODUCED		0	53,500	64,500	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	23,000	2,016,000		
C O S T	\$	\$714,803	\$1,408,686	\$1,660,791	\$3,274,122	\$3,213,750	\$3,213,750	\$3,213,750	\$3,213,750	\$3,213,750	\$3,213,750	\$3,213,750	\$3,213,750	\$3,213,750	\$3,213,750	\$3,213,750	\$3,213,750	\$3,566,830	\$4,062,500	\$747,500	\$54,000,232			

DATE: 16-Jul 1987

CURRAGH RESOURCES INC.
 FARD DEPOSIT
 EXPLORATION PHASE
 SCOPE OF WORK

FARDSCOP	1988				1989							
	4 TH QUARTER				1 ST QUARTER			2 ND QUARTER				
	DESCRIPTION	LENGTH (VOLUME)	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6	MONTH 7	MONTH 8	MONTH 9	
1)	MOBILIZATION	1 L.S.	100%									
2)	SETUP CONTRACTOR'S FACILITIES	1 L.S.	50%	50%								
3)	SUPPLY 40 x 100 ATCO FOLDAWAY	1 L.S.		100%								
4)	PREPURCHASE SUPPLIES FOR FIRST 1,000 FT OF EXCAVATION	1 L.S.	100%									
5)	COLLAR TO 30 FEET	30 ft		30 ft								
6)	ACCESS RAMP IN WASTE (0 - 1,000 FT RATE)	573 ft			300 ft	273 ft						
7)	DRIVE RAMP IN ORE (0 - 1,000 FT RATE)	427 ft				427 ft						
	DRIVE RAMP IN ORE (BEYOND 1,000 FT RATE)	1,084 ft				247 ft	837 ft					
8)	DRIVE LOWER HAULAGE DRIFT - SINGLE HEADING	620 ft						50 ft			570 ft	
	DRIVE LOWER HAULAGE DRIFT - MULTIPLE HEADING	2,300 ft						590 ft	650 ft	810 ft	250 ft	
9)	DRIVE UPPER HAULAGE DRIFT - SINGLE HEADING	50 ft						50 ft				
	DRIVE UPPER HAULAGE DRIFT - MULTIPLE HEADING	1,760 ft						590 ft	515 ft	405 ft	250 ft	
10)	EXCAVATE REMICKS (VENT. DRIFTS)	120 ft				80 ft	40 ft					
11)	DRIVE VENT. RAISE. CRIBBED	125 ft				62 ft	63 ft					
12)	ALIMAK SETUP/TEARDOWN	1 L.S.							100%			
13)	DRIVE VENT. RAISE, ALIMAK	360 ft							90 ft	270 ft		
							53,500 tonnes ore			64,500 tonnes ore		

DATE: 21-Jul 1987

CURRAGH RESOURCES INC.
 FARO DEPOSIT
 EXPLORATION PHASE
 CASH FLOW

FARFLO	DESCRIPTION	LENGTH (VOLUME)	1988			1989						TOTAL	
			4 TH QUARTER			1 ST QUARTER			2 ND QUARTER				
			MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6	MONTH 7	MONTH 8	MONTH 9		
1)	MOBILIZATION	1 L.S.	\$216,728										\$216,728
2)	SETUP CONTRACTOR'S FACILITIES	1 L.S.	\$52,049	\$52,049									\$104,097
3)	SUPPLY 40 x 100 ATCO FOLDWAY	1 L.S.		\$74,015									\$74,015
4)	PREPURCHASE SUPPLIES FOR FIRST 1,000 FT OF EXCAVATION	1 L.S.	\$205,752										\$205,752
5)	COLLAR TO 30 FEET	30 ft		\$25,198									\$25,198
6)	ACCESS RAMP IN WASTE (0 - 1,000 FT RATE)	573 ft			\$89,013	\$81,002							\$170,015
7)	DRIVE RAMP IN ORE (0 - 1,000 FT RATE)	427 ft				\$126,695							\$126,695
	DRIVE RAMP IN ORE (BEYOND 1,000 FT RATE)	1,084 ft				\$124,698	\$422,559						\$547,257
8)	DRIVE LOWER HAULAGE DRIFT - SINGLE HEADING	620 ft						\$25,243				\$287,765	\$313,007
	DRIVE LOWER HAULAGE DRIFT - MULTIPLE HEADINGS	2,300 ft						\$258,780	\$285,097	\$355,274	\$109,653		\$1,008,803
9)	DRIVE UPPER HAULAGE DRIFT - SINGLE HEADING	50 ft						\$25,243					\$25,243
	DRIVE UPPER HAULAGE DRIFT - MULTIPLE HEADING	1,760 ft						\$258,780	\$225,884	\$177,637	\$109,653		\$771,954
10)	EXCAVATE REMUCKS (VENT. DRIFTS)	120 ft				\$35,089	\$17,544						\$52,633
11)	DRIVE VENT. RAISE. CRIBBED	125 ft				\$16,395	\$16,659						\$33,054
12)	ALIMAK SETUP/TEARDOWN	1 L.S.							\$9,264				\$9,264
13)	DRIVE VENT. RAISE, ALIMAK	360 ft							\$25,142	\$75,425			\$100,566
			\$474,529	\$151,261	\$89,013	\$383,878	\$456,763	\$568,045	\$545,386	\$608,336	\$507,070		\$3,784,280
				\$714,803			\$1,408,686			\$1,660,791			

 ELECTRIC CABLE COST

ITEMS	3C #12			3C #6 (PUMP)			3C #2			3C #4/0			BLAST LINE (2C #18)		
	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE
ELECTRIC CABLE	0	\$0.87	\$0.00	1	\$2.29	\$2.29	0	\$4.29	\$0.00	1	\$10.40	\$10.40	1	\$0.50	\$0.50
SUBTOTAL			\$0.00			\$2.29			\$0.00			\$10.40			\$0.50
DAMAGE @ 10%			\$0.00			\$0.23			\$0.00			\$10.40			\$0.05
F.S.T. @ 12%			\$0.00			\$0.30			\$0.00			\$1.04			\$0.07
P.S.T. @ 0%			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00
TOTALS			\$0.00			\$2.82			\$0.00			\$12.81			\$0.62
COST/FT = \$16.25			\$0.00 /FT			\$2.82 /FT			\$0.00 /FT			\$12.81 /FT			\$0.62

PIPE & ACCESSORY COST

ITEMS	2" LINE			4" LINE (AIR)			4" LINE			6" LINE (PUMP)			8" LINE		
	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE
PIPES	100	\$1.39	\$139.00	100	\$3.45	\$345.00	0	\$3.45	\$0.00	100	\$4.80	\$480.00	0	\$0.00	\$0.00
COUPLING	7	\$4.80	\$33.60	7	\$9.60	\$67.20	0	\$9.60	\$0.00	5	\$16.55	\$82.75	0	\$0.00	\$0.00
VALVES	1	\$39.99	\$39.99	1/500'	\$105.80	\$21.16	0	\$105.80	\$0.00	1/500'	\$198.85	\$39.77	0	\$0.00	\$0.00
ELBOMS 90 DEG	0	\$6.40	\$0.00	0	\$18.05	\$0.00	0	\$18.05	\$0.00	1/200'	\$45.65	\$22.83	0	\$0.00	\$0.00
ELBOMS 45 DEG	0	\$6.40	\$0.00	0	\$18.05	\$0.00	0	\$18.05	\$0.00	1/200'	\$45.65	\$22.83	0	\$0.00	\$0.00
TEES	1	\$6.40	\$6.40	1/500'	\$27.85	\$5.57	0	\$27.85	\$0.00	1/500'	\$73.55	\$14.71	0	\$0.00	\$0.00
REDUCERS	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
CHAIN HANGERS	7	\$2.92	\$20.44	7	\$2.92	\$20.44	0	\$2.92	\$0.00	5	\$2.92	\$14.60	0	\$0.00	\$0.00
3/16 CHAIN	50	\$0.32	\$16.00	50	\$0.32	\$16.00	0	\$0.32	\$0.00	50	\$0.32	\$16.00	0	\$0.00	\$0.00
SUBTOTAL			\$255.43			\$475.37			\$0.00			\$693.48			\$0.00
DAMAGE @ 10%			\$25.54			\$47.54			\$0.00			\$69.35			\$0.00
F.S.T. @ 6%			\$16.86			\$31.37			\$0.00			\$45.77			\$0.00
P.S.T. @ 0%			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00
TOTALS			\$297.83			\$554.28			\$0.00			\$808.60			\$0.00

COST/FT = \$16.61 / FT \$2.98 / FT \$5.54 / FT \$0.00 / FT \$8.09 / FT \$0.00

VENTILATION & ACCESSORIES COST

ITEMS	12" DIA.			30" DIA.			36" DIA.			42" DIA.			48" DIA.		
	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE
VENTILATION PIPE	0	\$2.39	\$0.00	0	\$0.00	\$0.00	0	\$5.65	\$0.00	0	\$6.81	\$0.00	50	\$7.85	\$392.50
VENTILATION TUBE	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
PIPE COUPLING	0	\$2.10	\$0.00	0	\$0.00	\$0.00	0	\$2.25	\$0.00	0	\$2.10	\$0.00	3	\$2.10	\$6.30
PIPE HANGERS	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
PIPE ELBOMS	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
PIPE TEES	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
TUBE COUPLING	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
TUBE HANGER	0	\$2.85	\$0.00	0	\$0.00	\$0.00	0	\$2.92	\$0.00	0	\$2.85	\$0.00	3	\$2.85	\$8.55
MESSENGER WIRE	0	\$0.33	\$0.00	0	\$0.00	\$0.00	0	\$0.32	\$0.00	0	\$0.33	\$0.00	50	\$0.33	\$16.50
SUBTOTAL			\$0.00			\$0.00			\$0.00			\$0.00			\$423.85
DAMAGE @ 20%			\$0.00			\$0.00			\$0.00			\$0.00			\$84.77
F.S.T. @ 12%			\$0.00			\$0.00			\$0.00			\$0.00			\$61.03
P.S.T. @ 0%			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00
TOTALS			\$0.00			\$0.00			\$0.00			\$0.00			\$569.65

COST/FT = \$11.39 / FT \$0.00 / FT \$0.00 / FT \$0.00 / FT \$0.00 / FT \$11.39

EQUIPMENT RENTAL AND REPAIR COST

EQUIPMENT DESCRIPTION	COMMENTS	RENT PER UNIT	NO. OF UNITS REQ'D	TOTAL RENTAL COST/MONTH	REPAIR COST PER HR., M.	HRS. OPERATING PER DAY OR M. DRILLED	REPAIR COST PER DAY	RENTAL COST PER DAY	REPAIR COST PER DAY
3 BOOM ELECTRIC/HYDRAULIC JUMBO		\$10,000	1	\$10,000	\$15.00	3 HR	\$45.00	\$333.33	\$45.00
DRILL REPAIR		-	-	-	\$0.15	476 FT	\$71.43	\$0.00	\$71.43
ST - 8 SCOOPTRAM		\$10,000	2	\$20,000	\$29.00	4 HR	\$116.00	\$666.67	\$116.00
CM 1824 TRUCK		\$8,700	1	\$8,700	\$23.00	0 HR	\$0.00	\$290.00	\$0.00
ROCKBOLT JUMBO		\$3,500	1	\$3,500	\$18.00	0 HR	\$0.00	\$116.67	\$0.00
600 CFM ELECT. COMPRESSOR		\$2,100	1	\$2,100	\$1.50	10 HR	\$15.00	\$70.00	\$15.00
FRESHWATER PUMP - ELECTRIC		\$210	1	\$210	\$0.25	24 HR	\$6.00	\$7.00	\$6.00
WAREHOUSE TRAILER		\$300	1	\$300	\$0.00	0 HR	\$0.00	\$10.00	\$0.00
OFFICE/DRY TRAILER		\$600	1	\$600	\$0.00	0 HR	\$0.00	\$20.00	\$0.00
MINE LIGHTS & CHARGER		\$10	20	\$200	\$1.25	0 HR	\$0.00	\$6.67	\$0.00
38 " x 75 HP JOY FAN		\$450	1	\$450	\$0.25	0 HR	\$0.00	\$15.00	\$0.00
OXY & ACET TORCHES		\$50	1	\$50	\$1.00	8 HR	\$8.00	\$1.67	\$8.00
SAFETY GEAR		\$100	1	\$100	\$0.00	0 HR	\$0.00	\$3.33	\$0.00
FIRST AID GEAR		\$150	1	\$150	\$0.00	0 HR	\$0.00	\$5.00	\$0.00
SURVEY GEAR		\$450	1	\$450	\$1.00	8 HR	\$8.00	\$15.00	\$8.00
SHOP TOOLS		\$1,000	1	\$1,000	\$0.00	0 HR	\$0.00	\$33.33	\$0.00
SURVEY GEAR		\$450	1	\$450	\$1.00	2 HR	\$2.00	\$15.00	\$2.00
POWDER/CAP MAGAZINE		\$750	1	\$750	\$0.00	0 HR	\$0.00	\$25.00	\$0.00
PICKUP / CREW VAN		\$1,000	4	\$4,000	\$4.50	12 HR	\$54.00	\$133.33	\$54.00
JACKLEG / STOPER		\$220	4	\$880	\$1.00	8 HR	\$8.00	\$29.33	\$8.00
400 AMP WELDER		\$150	1	\$150	\$0.25	8 HR	\$2.00	\$5.00	\$2.00
POWDER/CAP MAGAZINE		\$700	1	\$700	\$0.00	0 HR	\$0.00	\$23.33	\$0.00
U/G PUMPS (13,30 HP)		\$1,000	2	\$2,000	\$3.00	0 HR	\$0.00	\$66.67	\$0.00
GROUT PUMP		\$1,000	1	\$1,000	\$0.00	0 HR	\$0.00	\$33.33	\$0.00
GRADER/DOZER		\$4,000	1	\$4,000	\$15.00	3 HR	\$45.00	\$133.33	\$45.00
INTERMEDIATE LOADER		\$200	1	\$200	\$0.25	2 HR	\$0.50	\$6.67	\$0.50
TOTALS				\$61,940 PER MONTH				\$2,064.67	\$380.93
							TAKE 50% ADVANCE PER DAY	\$1,032.33	4.29 FT/DAY
							COST/FT	\$240.64	REPAIRS \$88.79

FUEL / LUBE COST

EQUIPMENT DESCRIPTION	ENGINE	NUMBER OF UNITS REQ'D	OPERATING HOURS PER DAY PER UNIT	TOTAL OPERATING HOURS PER DAY	FUEL REQ'D PER HOUR	TOTAL FUEL PER DAY	FUEL COST PER LITRE	FUEL COST PER DAY	LUBE COST @ 15% OF FUEL COST	TOTAL OPER. COST PER DAY
3 BOOM ELECT/HYD JUMBO		1	3	3	16.7 LT	50.0	\$0.40	\$19.99	\$3.00	\$22.99
ST - 8 SCOOPTRAM		2	2	4	48.0 LT	192.0	\$0.40	\$76.80	\$11.52	\$88.32
CM 1824 TRUCK		1	0	0	48.0 LT	0.0	\$0.40	\$0.00	\$0.00	\$0.00
ROCKBOLT JUMBO		1	0	0	16.7 LT	0.0	\$0.40	\$0.00	\$0.00	\$0.00
GRADER/DOZER		1	3	3	16.7 LT	50.0	\$0.40	\$19.99	\$3.00	\$22.99
PICKUP / CREW VAN		2	3	6	15.0 LT	90.0	\$0.60	\$54.00	\$8.10	\$62.10

OPERATING COST = \$196.40 /DAY @ 4.29 FT/DAY = \$45.78 COST/FT \$196.40

 HEADING SIZE = 11.0 x 20.0 FT

 DRILL STEEL & BIT COST

HOLES DRILLED PER ROUND	HOLE TOTAL FT DRILLED		STEEL & BIT COST PER FT DRILLED	TOTAL STEEL & BITS COST	AVERAGE BREAK PER ROUND	STEEL & BITS COST PER FT
	DEPTH	PER ROUND				
108	12.00	1296 FT	\$0.40	\$518.40	11.00 FT	\$47.13
3 (REARMED)	12.00	36 FT	\$0.50	\$18.00	11.00 FT	\$1.64
TOTAL						\$48.76 /FT

 EXPLOSIVES & ACCESSORIES COST

HEADING SIZE = 11.0 x 20.0 FT
 HOLES DRILLED = 111
 HOLES BLASTED = 48
 HOLE DIAMETER = 1 3/4 "
 POWDER TO BE USED = AMEX, CILGEL 70%, XACTEX
 AVERAGE BREAK/RND = 11.00 FEET

DESCRIPTION	NO. OF HOLES	STICKS PER HOLE	TOTAL STICKS	STICKS /CASE	CASE REQ'D	COST PER CASE	TOTAL COST
PERIMETER XACTEX	15	4	60	100	0.60	\$147.95	\$88.77
LIFTERS & H.E.	19	16	304	125	2.43	\$97.86	\$238.00
CUT H.E.	3	16	48	125	0.38	\$97.86	\$37.58
BLASTHOLES AMEX	11	1.04 (LB/FT)	137 (LB.)	-	-	\$0.45 /LB.	\$61.78
SUBTOTAL							\$463.70
12.00% F. B. T.							\$55.64
0.00% P. S. T.							\$0.00
TOTAL							\$519.34

DESCRIPTION	NO. OF HOLES	CAPS PER HOLE	TOTAL CAPS OR FUSE	COST PER CAP	COST PER ROUND	COST OF MISC.	TOTAL COST
12.00% F. S. T.							\$12.93
0.00% P. S. T.							\$0.00
TOTAL							\$120.65

TOTAL EXPLOSIVES COST = \$519.34
 TOTAL DETONATORS COST = \$120.65

TOTAL COST = \$639.99 PER RND / 11.00 FT = \$58.18 / FT

(B:FARCOLL)

VARIABLES

S/T HOURS	40 /WK	LABOUR	QUANTITY	RATE/HR	BONUS/HR	EXPLOSIVES COSTS	STKS/CSE	# LIFTERS	19	
DAYS/WK	7 /WK	PROJ. SUPT	0	\$17.00	\$0.00	CILSEL	\$97.86 PER CSE.	125		
O/T HOURS	30 /WK	SHIFTBOSS	0	\$16.25	\$0.00	AMEX	\$0.45 PER LB.	1.04		
O/T RATE	1.50	MECHANIC	0	\$16.00	\$0.00	XRCTEX	\$147.95 PER CSE.	100		
BONUS	\$0.00 /HR	ELECT.	0	\$16.00	\$0.00	CAPS	\$2.14 EACH	-		
HRLY FRNG	20%	MINER	2	\$15.00	\$0.00	MISC	\$5.00	-		
STAFF FRG	20%	SURVEYDR	0	\$14.00	\$0.00					
RM+BD	\$25.00 /DAY	CLERK	0	\$10.00	\$0.00	GAS COST	\$0.600 /LITRE			
HOLES/RND	111	EXPEDITOR	0	\$12.50	\$0.00	FUEL COST	\$0.400 /LITRE			
HOLE/DEPT	12 FEET					G & A	15.00%	HOSES	1.00%	
AVER BRK	11.00 FEET	STEEL & BITS COST/FT		\$0.40		MARGIN	10.00%	INS/COMM	1.00%	
MONTH	30 DAYS							FREIGHT	3.00%	
ADVANCE	4.29 FEET/DAY									

CURRAGH-FARO DEPOSIT
11FT X 20FT COLLAR

DIRECT LABOUR COSTS

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	DAILY WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL									
MINER	\$15.00	40	30	85	\$1,275.00	\$182.14	\$0.00	\$182.14	\$36.43	\$25.00	\$243.57	2	\$487.14

DIRECT LABOUR COST = \$487.14 /DAY @ 4.29 FT/DAY = \$113.55 /FT

SUPPORT LABOUR COST

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	DAILY WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL									
PROJ. SUPT	\$17.00	40	30	85	\$1,445.00	\$206.43	\$0.00	\$206.43	\$41.29	\$25.00	\$272.71	0	\$0.00
SHIFTBOSS	\$16.25	40	30	85	\$1,381.25	\$197.32	\$0.00	\$197.32	\$39.46	\$25.00	\$261.79	0	\$0.00
MECHANIC	\$16.00	40	30	85	\$1,360.00	\$194.29	\$0.00	\$194.29	\$38.86	\$25.00	\$258.14	0	\$0.00
ELECT.	\$16.00	40	30	85	\$1,360.00	\$194.29	\$0.00	\$194.29	\$38.86	\$25.00	\$258.14	0	\$0.00
SURVEYDR	\$14.00	40	30	85	\$1,190.00	\$170.00	\$0.00	\$170.00	\$34.00	\$25.00	\$229.00	0	\$0.00
CLERK	\$10.00	40	30	85	\$850.00	\$121.43	\$0.00	\$121.43	\$24.29	\$25.00	\$170.71	0	\$0.00
EXPEDITOR	\$12.50	40	30	85	\$1,062.50	\$151.79	\$0.00	\$151.79	\$30.36	\$25.00	\$207.14	0	\$0.00

SUPPORT LABOUR COST = \$0.00 /DAY @ 4.29 FT/DAY = \$0.00 /FT

CURRAGH - FARO DEPOSIT

11.0 x 20.0 FT COLLAR

BID SUMMARY SHEET

<u>CATEGORY</u>	<u>COST / FT</u>
DIRECT LABOUR	\$113.55
SUPPORT LABOUR	\$0.00
STEEL & BITS	\$48.76
EXPLOSIVES & ACCESSORIES	\$58.18
EQUIPMENT RENTAL	\$240.64
EQUIPMENT REPAIR	\$88.79
FUEL & LUBE	\$45.78
PIPE & ACCESSORIES	\$16.61
VENTILATION & ACCESSORIES	\$11.39
ELECTRIC CABLE	\$16.25
HOSES, SMALL TOOLS	\$6.40
INSURANCE, COMMUNICATION	\$6.40
FREIGHT DURING CONTRACT	\$19.20
<hr/>	
SUBTOTAL	\$671.96
G & A 15.0%	\$100.79
<hr/>	
TOTAL COST	\$772.75
MARGIN 10.0%	\$67.20
PRICE	\$839.95 /FT

CURRAGH RESOURCES LIMITED

F A R O D E P O S I T
M O B I L I Z A T I O N
M I N I N G P H A S E

1/ FREIGHT

Load # 1 - 3 Boom Drill Jumbo		
	Brampton - Site	7,500.00
Load # 2 - ST 8 Scooptram		
	Brampton - Site	7,500.00
Load # 3 - CM 1824 Truck		
	Brampton - Site	7,500.00
Load # 4 - 16 Man Carrier & 2 Man Carrier		
	Brampton - Site	7,500.00
Load # 5 - Additional Compressors for Slusher Stopping		
	Brampton - Site	7,500.00
	SUBTOTAL	\$37,500.00

2/ SITE UNLOADING

- Estimate 1 load = 1 manday @ \$285.34	
- 5 loads x \$285.34 =	\$1,426.70

3/ UPGRADE MINE DRY TO ACCOMMODATE 40 PEOPLE

- Add 1 more dry trailer	
Modify CMD trailer - allow	\$7,000.00
Freight - Brampton - Site	\$7,500.00

SUBTOTAL \$53,426.70

G & A 6.5% \$3,472.74

TOTAL COST \$56,899.44

MARGIN 6.5% \$3,472.74

TOTAL \$60,372.17

CURRAGH RESOURCES LIMITED

FARO DEPOSIT

ATCO SHOP PURCHASE

1/ ATCO FOLDAWAY PURCHASE

- 40 x 100 ft, used	40,000.00
- Freight - 3 loads @ \$7,500 ea.	22,500.00

2/ CRANE RENTAL TO ERECT SHOP

- Say 40 Hrs @ \$75.00/hr =	3,000.00
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	SUBTOTAL	\$65,500.00
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	G & A	6.5%	\$4,257.50
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	MARGIN	6.5%	\$4,257.50
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	TOTAL	\$74,015.00
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CURRAGH RESOURCES LIMITED
 FARD DEPOSIT
 SETUP CONTRACTOR'S FACILITIES

1/ PRELIMINARY SITE SETUP

- Setup comp., gensets, office/dry trailers, Shop, Etc.	11,413.60
- Labour : Estimate 4 men x 10 days x \$285.34 =	1,000.00
- Materials : Allow \$1,000 for genset. lean-to, shop sills, etc.	----- 12,413.60

2/ MODIFY DRY TRAILER

- Allow \$7,000 to convert CMD trailer into a Dry Trailer	7,000.00
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3/ SETUP SEPTIC SYSTEM

- Material - say	1,500.00
- Excavating Equipment, sand, gravel, etc.	3,000.00
- Labour - 3 days @ \$ 285.34/day x 2 men	1,712.04
	----- 6,212.04

4/ INSTALL F.W. PUMP & 2" INSULATED WATER LINE

- 2" line - \$1.81/ft x 1,000 ft (incl. couplings)	1,810.00
- Insul., Heat Tracing - \$6.00/ft x 1,000 ft	6,000.00
- Pump House - say	500.00
- Electric cable \$2.50/ft x 1,000 ft	2,500.00
- 15 kw Transformer, Misc. Electrics	1,000.00
- Labour - Install 200 ft/manday 5 days x \$285.34/day	1,426.70
	----- 13,236.70

5/ SETUP SURFACE ELECTRICS

- Material :	
- Lighting Transformers - 3 @ \$1,000 ea	3,000.00
- Starters - #4 -2 @ \$2,000 ea	4,000.00
- Switch Gear - say	5,000.00
- Power Rack - say	1,000.00
- Misc. Supplies - say	500.00
- Lights, Etc. - say	1,000.00
- Surface Cables - 500 ft @ \$17.23/ft	8,615.00
- Labour :	
- Say 1 Elect. 21 ms @ \$285.34/day	5,992.14
- Plus Helper 14 ms @ \$285.34/day	3,994.76
	----- 33,101.90

3/ FARES & TRAVEL EXPENSES

Job Length = approx. 240 days = 5 rotations (45 days ea.)
plus one trip at Xmas = 6 rotations
Crew size = 17 from Sudbury, Ont.
Return fare to Sudbury = \$1,100
Cost = 17 men x \$1,100 x 6 trips = 112,200.00

4/ SITE UNLOADING

- Estimate 1 load = 1 manday @ \$285.34
- 12 loads x \$285.34 = 3,424.08

	SUBTOTAL	\$191,795.08
G & A	6.5%	\$12,466.68
TOTAL COST		\$204,261.76
MARGIN	6.5%	\$12,466.68
	TOTAL	\$216,728.44

CURRAGH RESOURCES LIMITED
 FARO DEPOSIT
 MOBILIZATION
 EXPLORATION PHASE

1/ PREMOB LABOUR

- This includes purchasing, packaging and shipping of
 supplies and materials to site.

LABOUR - Estimate 15 mandays @ \$13.50/hr.
 = \$13.50/hr. x 8 hrs. x 1.34 x 15 days = \$ 2,171.00

2/ FREIGHT

Load # 1 - 3 Boom Drill Jumbo	Brampton - Site	7,500.00
Load # 2 - ST 8 Scooptram	Brampton - Site	7,500.00
Load # 3 - CM 1824 Truck	Brampton - Site	7,500.00
Load # 4 - CM 1824 Truck	Brampton - Site	7,500.00
Load # 5 - Grader & Misc. gear	Vancouver - Site	4,500.00
Load # 6 - ST 8 Scooptram	Brampton - Site	7,500.00
Load # 7 - Office/Dry Trailer	Whitehorse - Site	1,000.00
Load # 8 - Powder/Cap Magazines	Whitehorse - Site	1,000.00
Load # 9 - Electrics & Misc. Gear	Brampton - Site	7,500.00
Load # 10 - Warehouse Trailer & Misc. Gear	Brampton - Site	7,500.00
Load # 11 - Rockbolt Jumbo	Brampton - Site	7,500.00
Load # 12 - Alimak c/w Rails	Brampton - Site	7,500.00

SUBTOTAL \$74,000.00

 ELECTRIC CABLE COST

ITEMS	3C #12			3C #6 (PUMP)			3C #2			3C #4/0			BLAST LINE (2C #18)		
	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE
ELECTRIC CABLE	0	\$0.87	\$0.00	1	\$2.29	\$2.29	0	\$4.29	\$0.00	1	\$10.40	\$10.40	1	\$0.50	\$0.50
SUBTOTAL			\$0.00			\$2.29			\$0.00			\$10.40			\$0.50
DAMAGE @ 10%			\$0.00			\$0.23			\$0.00			\$1.04			\$0.05
F.S.T. @ 12%			\$0.00			\$0.30			\$0.00			\$1.37			\$0.07
P.S.T. @ 0%			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00
TOTALS			\$0.00			\$2.82			\$0.00			\$12.81			\$0.62
COST/FT = \$16.25			\$0.00 /FT			\$2.82 /FT			\$0.00 /FT			\$12.81 /FT			\$0.62

PIPE & ACCESSORY COST

ITEMS	2" LINE			4" LINE (AIR)			4" LINE			6" LINE (PUMP)			8" LINE		
	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE
PIPES	100	\$1.39	\$139.00	100	\$3.45	\$345.00	0	\$3.45	\$0.00	100	\$4.80	\$480.00	0	\$0.00	\$0.00
COUPLING	7	\$4.80	\$33.60	7	\$9.60	\$67.20	0	\$9.60	\$0.00	5	\$16.55	\$82.75	0	\$0.00	\$0.00
VALVES	1	\$39.99	\$39.99	1/500'	\$105.80	\$21.16	0	\$105.80	\$0.00	1/500'	\$198.85	\$39.77	0	\$0.00	\$0.00
ELBOMS 90 DEG	0	\$6.40	\$0.00	0	\$18.05	\$0.00	0	\$18.05	\$0.00	1/200'	\$45.65	\$22.83	0	\$0.00	\$0.00
ELBOMS 45 DEG	0	\$6.40	\$0.00	0	\$18.05	\$0.00	0	\$18.05	\$0.00	1/200'	\$45.65	\$22.83	0	\$0.00	\$0.00
TEES	1	\$6.40	\$6.40	1/500'	\$27.85	\$5.57	0	\$27.85	\$0.00	1/500'	\$73.55	\$14.71	0	\$0.00	\$0.00
REDUCERS	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
CHAIN HANGERS	7	\$2.92	\$20.44	7	\$2.92	\$20.44	0	\$2.92	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
3/16 CHAIN	50	\$0.32	\$16.00	50	\$0.32	\$16.00	0	\$0.32	\$0.00	5	\$2.92	\$14.60	0	\$0.00	\$0.00
SUBTOTAL			\$255.43			\$475.37			\$0.00			\$693.48			\$0.00
DAMAGE @ 10%			\$25.54			\$47.54			\$0.00			\$69.35			\$0.00
F.S.T. @ 6%			\$16.86			\$31.37			\$0.00			\$45.77			\$0.00
P.S.T. @ 0%			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00
TOTALS			\$297.83			\$554.28			\$0.00			\$808.60			\$0.00
COST/FT =		\$16.61 / FT		\$2.98 / FT		\$5.54 / FT		\$0.00 / FT		\$8.09 / FT		\$0.00			\$0.00

VENTILATION & ACCESSORIES COST

ITEMS	12" DIA.			30" DIA.			36" DIA.			42" DIA.			48" DIA.		
	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE
VENTILATION PIPE	0	\$2.39	\$0.00	0	\$0.00	\$0.00	0	\$5.65	\$0.00	0	\$6.81	\$0.00	50	\$7.85	\$392.50
VENTILATION TUBE	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
PIPE COUPLING	0	\$2.10	\$0.00	0	\$0.00	\$0.00	0	\$2.25	\$0.00	0	\$2.10	\$0.00	3	\$2.10	\$6.30
PIPE HANGERS	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
PIPE ELBOMS	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
PIPE TEES	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
TUBE COUPLING	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
TUBE HANGER	0	\$2.85	\$0.00	0	\$0.00	\$0.00	0	\$2.92	\$0.00	0	\$2.85	\$0.00	3	\$2.85	\$8.55
MESSENGER WIRE	0	\$0.33	\$0.00	0	\$0.00	\$0.00	0	\$0.32	\$0.00	0	\$0.33	\$0.00	50	\$0.33	\$16.50
SUBTOTAL			\$0.00			\$0.00			\$0.00			\$0.00			\$423.85
DAMAGE @ 20%			\$0.00			\$0.00			\$0.00			\$0.00			\$84.77
F.S.T. @ 12%			\$0.00			\$0.00			\$0.00			\$0.00			\$61.03
P.S.T. @ 0%			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00
TOTALS			\$0.00			\$0.00			\$0.00			\$0.00			\$569.65
COST/FT =		\$11.39 / FT		\$0.00 / FT		\$0.00 / FT		\$0.00 / FT		\$0.00 / FT		\$0.00 / FT			\$11.39

EQUIPMENT RENTAL AND REPAIR COST

EQUIPMENT DESCRIPTION	COMMENTS	RENT PER UNIT	NO. OF UNITS RED, D	TOTAL RENTAL COST/MONTH	REPAIR COST PER HR., M.	HRS. OPERATING PER DAY OR M. DRILLED	REPAIR COST PER DAY	RENTAL COST PER DAY	REPAIR COST PER DAY
3 BOOM ELECTRIC/HYDRAULIC JUMBO		\$10,000	1	\$10,000	\$15.00	4 HR	\$60.00	\$333.33	\$60.00
DRILL REPAIR		-	-	-	\$0.15	2750 FT	\$412.50	\$0.00	\$412.50
ST - 8 SCOOPTRAM		\$10,000	2	\$20,000	\$29.00	18 HR	\$522.00	\$666.67	\$522.00
CM 1824 TRUCK		\$8,700	2	\$17,400	\$23.00	18 HR	\$414.00	\$580.00	\$414.00
ROCKBOLT JUMBO		\$3,500	1	\$3,500	\$18.00	8 HR	\$144.00	\$116.67	\$144.00
600 CFM ELECT. COMPRESSOR		\$2,100	1	\$2,100	\$1.50	24 HR	\$36.00	\$70.00	\$36.00
FRESHWATER PUMP - ELECTRIC		\$210	1	\$210	\$0.25	24 HR	\$6.00	\$7.00	\$6.00
WAREHOUSE TRAILER		\$300	1	\$300	\$0.00	0 HR	\$0.00	\$10.00	\$0.00
OFFICE/DRY TRAILER		\$600	1	\$600	\$0.00	0 HR	\$0.00	\$20.00	\$0.00
MINE LIGHTS & CHARGER		\$10	20	\$200	\$1.25	24 HR	\$30.00	\$6.67	\$30.00
38 " x 75 HP JOY FAN		\$450	1	\$450	\$0.25	24 HR	\$6.00	\$15.00	\$6.00
OXY & ACET TORCHES		\$50	1	\$50	\$1.00	8 HR	\$8.00	\$1.67	\$8.00
SAFETY GEAR		\$100	1	\$100	\$0.00	8 HR	\$0.00	\$3.33	\$0.00
FIRST AID GEAR		\$150	1	\$150	\$0.00	8 HR	\$0.00	\$5.00	\$0.00
SHOP TOOLS		\$1,000	1	\$1,000	\$0.00	0 HR	\$0.00	\$33.33	\$0.00
SURVEY GEAR		\$450	1	\$450	\$1.00	8 HR	\$8.00	\$15.00	\$8.00
POWDER/CAP MAGAZINE		\$750	1	\$750	\$0.00	0 HR	\$0.00	\$25.00	\$0.00
PICKUP / CREW VAN		\$1,000	4	\$4,000	\$4.50	12 HR	\$54.00	\$133.33	\$54.00
JACKLEG / STOPPER		\$220	4	\$880	\$1.00	8 HR	\$8.00	\$29.33	\$8.00
400 AMP WELDER		\$150	1	\$150	\$0.25	8 HR	\$2.00	\$5.00	\$2.00
1/8 PUMPS (13,30 HP)		\$1,000	5	\$5,000	\$3.00	24 HR	\$72.00	\$166.67	\$72.00
BROUT PUMP		\$1,000	1	\$1,000	\$0.00	0 HR	\$0.00	\$33.33	\$0.00
GRADER/DOZER		\$4,000	1	\$4,000	\$15.00	3 HR	\$45.00	\$133.33	\$45.00
INTERMEDIATE LOADER		\$200	1	\$200	\$0.25	8 HR	\$2.00	\$6.67	\$2.00
TOTALS				\$72,490 PER MONTH				\$2,416.33	\$1,829.50

ADVANCE PER DAY
 COST/FT RENTALS 50.00 FT/DAY
 \$48.33 REPAIRS
 \$36.59

FUEL / LUBE COST

EQUIPMENT DESCRIPTION	ENGINE	NUMBER OF UNITS RED'D	OPERATING HOURS PER DAY PER UNIT	TOTAL OPERATING HOURS PER DAY	FUEL REQ'D PER HOUR	TOTAL FUEL PER DAY	FUEL COST PER LITRE	FUEL COST PER DAY	LUBE COST @ 15% OF FUEL COST	TOTAL OPER. COST PER DAY
3 BOOM ELECT/HYD JUMBO		1	4	4	16.7 LT	66.6	\$0.40	\$26.66	\$4.00	\$30.66
ST - 8 SCOOPTRAM		2	9	18	48.0 LT	864.0	\$0.40	\$345.60	\$51.84	\$397.44
CM 1824 TRUCK		1	18	18	48.0 LT	864.0	\$0.40	\$345.60	\$51.84	\$397.44
ROCKBOLT JUMBO		1	8	8	16.7 LT	133.3	\$0.40	\$53.31	\$8.00	\$61.31
GRADER/DOZER		1	3	3	16.7 LT	50.0	\$0.40	\$19.99	\$3.00	\$22.99
PICKUP / CREW VAN		2	3	6	15.0 LT	90.0	\$0.60	\$54.00	\$8.10	\$62.10

OPERATING COST = \$971.93 /DAY @ 50.00 FT/DAY = \$19.44 COST/FT

\$971.93

 HEADING SIZE = 11.0 x 20.0 FT

 DRILL STEEL & BIT COST

HOLES DRILLED PER ROUND	HOLE TOTAL FT DRILLED		STEEL & BIT COST PER FT DRILLED	TOTAL STEEL & BITS COST	AVERAGE BREAK PER ROUND	STEEL & BITS COST PER FT
	DEPTH	PER ROUND				
52	14.00	728 FT	\$0.40	\$291.20	12.50 FT	\$23.30
3 (REAMED)	14.00	42 FT	\$0.50	\$21.00	12.50 FT	\$1.68
TOTAL						\$24.98 /FT

 EXPLOSIVES & ACCESSORIES COST

HEADING SIZE = 11.0 x 20.0 FT
 HOLES DRILLED = 55
 HOLES BLASTED = 52
 HOLE DIAMETER = 1 3/4 "
 POWDER TO BE USED = AMEX, CILGEL 70X, XACTEX
 AVERAGE BREAK/RND = 12.50 FEET

DESCRIPTION	NO. OF HOLES	STICKS PER HOLE	TOTAL STICKS	BTCKS /CASE	CASE REQ'D	COST PER CASE	TOTAL COST
PRIMER H.E.	52	1	52	125	0.42	\$97.86	\$40.71
PERIMETER XACTEX	15	4	60	100	0.60	\$147.95	\$88.77
LIFTERS & H.E.	19	16	304	125	2.43	\$97.86	\$238.00
CUT H.E.	3	16	48	125	0.38	\$97.86	\$37.58
BLASTHOLES AMEX	11	1.04 (LB/FT)	160 (LB.)	-	-	\$0.45 /LB.	\$72.07
SUBTOTAL							\$477.13
12.00% F.S.T.							\$57.26
0.00% P.S.T.							\$0.00
TOTAL							\$534.38

DESCRIPTION	NO. OF HOLES	CAPS PER HOLE	TOTAL CAPS OR FUSE	COST PER CAP	COST PER ROUND	COST OF MISC.	TOTAL COST
DETONATORS	52	1	52	\$2.14	\$111.28	\$5.00	\$116.28

12.00% F.S.T. \$13.95
 0.00% P.S.T. \$0.00

TOTAL \$130.23

TOTAL EXPLOSIVES COST = \$534.38
 TOTAL DETONATORS COST = \$130.23

TOTAL COST = \$664.61 PER RND / 12.50 FT = \$53.17 / FT

(B:FARAMP)

VARIABLES

S/T HOURS	40 /WK	LABOUR	QUANTITY	RATE/HR	BONUS/HR	EXPLOSIVES COSTS	STKS/CSE	# LIFTERS	19
DAYS/WK	7 /WK	PROJ.SUPT	1	\$17.00	\$12.00	CILGEL \$97.86 PER CSE.	125	# PROHOLE	11 HALF AMEX
O/T HOURS	16 /WK	SHIFTBOSS	3	\$16.25	\$12.00	ANEX \$0.45 PER LB.	1.04	# PERIM	15
O/T RATE	1.50	MECHANIC	3	\$16.00	\$6.00	XACTEX \$147.95 PER CSE.	100	# CUT	3
BONUS	\$12.00 /HR	ELECT.	1	\$16.00	\$6.00	CAPS \$2.14 EACH	-	TOTAL	48
HRLY FRNG	20%	MINER	9	\$15.00	\$12.00	MISC \$3.00	-	DR REPAIR	\$0.15 /FT
STAFF FRG	20%	SURVEYOR	1	\$14.00	\$0.00	BAS COST \$0.600 /LITRE			
RM+RD	\$25.00 /DAY	CLERK	1	\$10.00	\$0.00	FUEL COST \$0.400 /LITRE			
HOLES/RND	55	EXPEDITOR	0	\$12.50	\$0.00	G & A 15.00%	HOBES 1.00%		
HOLE/DEPT	14 FEET					MARGIN 10.00%	INS/COMM 1.00%		
AVER BRK	12.50 FEET	STEEL & BITS COST/FT			\$0.40		FREIGHT 3.00%		
MONTH	30 DAYS								
ADVANCE	50.00 FEET/DAY								

CURRAGH-FARO DEPOSIT
11FT X 20FT RAMP

DIRECT LABOUR COSTS

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL									
MINER	\$15.00	40	16	64	\$960.00	\$137.14	\$96.00	\$233.14	\$46.63	\$25.00	\$304.77	9	\$2,742.94

DIRECT LABOUR COST = \$2,742.94 /DAY @ 50.00 FT/DAY = \$54.86 /FT

SUPPORT LABOUR COST

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL									
PROJ.SUPT	\$17.00	40	16	64	\$1,088.00	\$153.43	\$96.00	\$251.43	\$50.29	\$25.00	\$326.71	1	\$326.71
SHIFTBOSS	\$16.25	40	16	64	\$1,040.00	\$148.57	\$96.00	\$244.57	\$48.91	\$25.00	\$318.49	3	\$953.46
MECHANIC	\$16.00	40	16	64	\$1,024.00	\$146.29	\$48.00	\$194.29	\$38.86	\$25.00	\$258.14	3	\$774.43
ELECT.	\$16.00	40	16	64	\$1,024.00	\$146.29	\$48.00	\$194.29	\$38.86	\$25.00	\$258.14	1	\$258.14
SURVEYOR	\$14.00	40	16	64	\$896.00	\$128.00	\$0.00	\$128.00	\$25.60	\$25.00	\$178.60	1	\$178.60
CLERK	\$10.00	40	16	64	\$640.00	\$91.43	\$0.00	\$91.43	\$18.29	\$25.00	\$134.71	1	\$134.71
EXPEDITOR	\$12.50	40	16	64	\$800.00	\$114.29	\$0.00	\$114.29	\$22.86	\$25.00	\$162.14	0	\$0.00

SUPPORT LABOUR COST = \$2,628.06 /DAY @ 50.00 FT/DAY = \$52.56 /FT

10 \$2,628.06

CURRAGH - FARD DEPOSIT

11.0 x 20.0 FT

RAMP

SHANTY BACK

BID SUMMARY SHEET

<u>CATEGORY</u>		<u>COST / FT</u>
DIRECT LABOUR		\$54.86
SUPPORT LABOUR		\$52.56
STEEL & BITS		\$24.98
EXPLOSIVES & ACCESSORIES		\$53.17
EQUIPMENT RENTAL		\$48.33
EQUIPMENT REPAIR		\$36.59
FUEL & LUBE		\$19.44
PIPE & ACCESSORIES		\$16.61
VENTILATION & ACCESSORIES		\$11.39
ELECTRIC CABLE		\$16.25
HOSES, SMALL TOOLS		\$3.34
INSURANCE, COMMUNICATION		\$3.34
FREIGHT DURING CONTRACT		\$10.03
		<hr/>
SUBTOTAL		\$350.88
G & A	15.0%	\$52.63
		<hr/>
TOTAL COST		\$403.51
MARGIN	10.0%	\$35.09
PRICE		\$438.60 /FT

ELECTRIC CABLE COST

ITEMS	3C #12			3C #6 (PUMP)			3C #2			3C #4/0			BLAST LINE (2C #18)		
	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE
ELECTRIC CABLE	0	\$0.87	\$0.00	1	\$2.29	\$2.29	0	\$4.29	\$0.00	1	\$10.40	\$10.40	1	\$0.50	\$0.50
SUBTOTAL			\$0.00			\$2.29			\$0.00			\$10.40			\$0.50
DAMAGE @ 10%			\$0.00			\$0.23			\$0.00			\$1.04			\$0.05
F.S.T. @ 12%			\$0.00			\$0.30			\$0.00			\$1.37			\$0.07
P.S.T. @ 0%			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00
TOTALS			\$0.00			\$2.82			\$0.00			\$12.81			\$0.62
COST/FT = \$16.25			\$0.00 /FT			\$2.82 /FT			\$0.00 /FT			\$12.81 /FT			\$0.62

PIPE & ACCESSORY COST

ITEMS	2" LINE			4" LINE (AIR)			4" LINE			6" LINE (PUMP)			8" LINE		
	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE
PIPES	100	\$1.39	\$139.00	100	\$3.45	\$345.00	0	\$3.45	\$0.00	100	\$4.80	\$480.00	0	\$0.00	\$0.00
COUPLING	7	\$4.80	\$33.60	7	\$9.60	\$67.20	0	\$9.60	\$0.00	5	\$16.55	\$82.75	0	\$0.00	\$0.00
VALVES	1	\$39.99	\$39.99	1/500"	\$105.80	\$21.16	0	\$105.80	\$0.00	1/500"	\$198.85	\$39.77	0	\$0.00	\$0.00
ELBOWS 90 DEG	0	\$6.40	\$0.00	0	\$18.05	\$0.00	0	\$18.05	\$0.00	1/200"	\$45.65	\$22.83	0	\$0.00	\$0.00
ELBOWS 45 DEG	0	\$6.40	\$0.00	0	\$18.05	\$0.00	0	\$18.05	\$0.00	1/200"	\$45.65	\$22.83	0	\$0.00	\$0.00
TEES	1	\$6.40	\$6.40	1/500"	\$27.85	\$5.57	0	\$27.85	\$0.00	1/500"	\$73.55	\$14.71	0	\$0.00	\$0.00
REDUCERS	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
CHAIN HANGERS	7	\$2.92	\$20.44	7	\$2.92	\$20.44	0	\$2.92	\$0.00	5	\$2.92	\$14.60	0	\$0.00	\$0.00
3/16 CHAIN	50	\$0.32	\$16.00	50	\$0.32	\$16.00	0	\$0.32	\$0.00	50	\$0.32	\$16.00	0	\$0.00	\$0.00
SUBTOTAL			\$255.43			\$475.37			\$0.00			\$693.48			\$0.00
DAMAGE @ 10%			\$25.54			\$47.54			\$0.00			\$69.35			\$0.00
F.S.T. @ 6%			\$16.86			\$31.37			\$0.00			\$45.77			\$0.00
P.S.T. @ 0%			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00
TOTALS			\$297.83			\$554.28			\$0.00			\$808.60			\$0.00

COST/FT = \$16.61 / FT \$2.98 / FT \$5.54 / FT \$0.00 / FT \$8.09 / FT \$0.00

VENTILATION & ACCESSORIES COST

ITEMS	12" DIA.			30" DIA.			36" DIA.			42" DIA.			48" DIA.		
	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE
VENTILATION PIPE	0	\$2.39	\$0.00	0	\$0.00	\$0.00	0	\$5.65	\$0.00	0	\$6.81	\$0.00	50	\$7.85	\$392.50
VENTILATION TUBE	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
PIPE COUPLING	0	\$2.10	\$0.00	0	\$0.00	\$0.00	0	\$2.25	\$0.00	0	\$2.10	\$0.00	3	\$2.10	\$6.30
PIPE HANGERS	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
PIPE ELBOWS	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
PIPE TEES	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
TUBE COUPLING	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
TUBE HANGER	0	\$2.85	\$0.00	0	\$0.00	\$0.00	0	\$2.92	\$0.00	0	\$2.85	\$0.00	0	\$0.00	\$0.00
MESSENGER WIRE	0	\$0.33	\$0.00	0	\$0.00	\$0.00	0	\$0.32	\$0.00	0	\$0.33	\$0.00	3	\$2.85	\$8.55
SUBTOTAL			\$0.00			\$0.00			\$0.00			\$0.00			\$423.85
DAMAGE @ 20%			\$0.00			\$0.00			\$0.00			\$0.00			\$84.77
F.S.T. @ 12%			\$0.00			\$0.00			\$0.00			\$0.00			\$61.03
P.S.T. @ 0%			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00
TOTALS			\$0.00			\$0.00			\$0.00			\$0.00			\$569.65

COST/FT = \$11.39 / FT \$0.00 / FT \$0.00 / FT \$0.00 / FT \$0.00 / FT \$11.39

EQUIPMENT RENTAL AND REPAIR COST

EQUIPMENT DESCRIPTION	COMMENTS	RENT PER UNIT	NO. OF UNITS REQ'D	TOTAL RENTAL COST/MONTH	REPAIR COST PER HR., M.	HRS. OPERATING PER DAY OR M. DRILLED	REPAIR COST PER DAY	RENTAL COST PER DAY	REPAIR COST PER DAY
3 BOOM ELECTRIC/HYDRAULIC JUMBO DRILL REPAIR		\$10,000	1	\$10,000	\$15.00	3 HR	\$45.00	\$333.33	\$45.00
ST - 8 SCOOPTRAM		\$10,000	2	\$20,000	\$9.15	2063 FT	\$309.38	\$0.00	\$309.38
CM 1824 TRUCK		\$8,700	2	\$17,400	\$29.00	12 HR	\$348.00	\$666.67	\$348.00
ROCKBOLT JUMBO		\$3,500	1	\$3,500	\$23.00	12 HR	\$276.00	\$580.00	\$276.00
600 CFM ELECT. COMPRESSOR		\$2,100	1	\$2,100	\$18.00	6 HR	\$108.00	\$116.67	\$108.00
FRESHWATER PUMP - ELECTRIC		\$210	1	\$210	\$1.50	24 HR	\$36.00	\$70.00	\$36.00
WAREHOUSE TRAILER		\$300	1	\$300	\$0.25	24 HR	\$6.00	\$7.00	\$6.00
OFFICE/DRY TRAILER		\$600	1	\$600	\$0.00	0 HR	\$0.00	\$10.00	\$0.00
MINE LIGHTS & CHARGER		\$10	20	\$200	\$0.00	0 HR	\$0.00	\$20.00	\$0.00
38 " x 75 HP JOY FAN		\$450	1	\$450	\$1.25	24 HR	\$30.00	\$6.67	\$30.00
OXY & ACET TORCHES		\$50	1	\$50	\$0.25	24 HR	\$6.00	\$15.00	\$6.00
SAFETY GEAR		\$100	1	\$100	\$1.00	8 HR	\$8.00	\$1.67	\$8.00
FIRST AID GEAR		\$150	1	\$150	\$0.00	8 HR	\$0.00	\$3.33	\$0.00
SHOP TOOLS		\$1,000	1	\$1,000	\$0.00	8 HR	\$0.00	\$5.00	\$0.00
SURVEY GEAR		\$450	1	\$450	\$1.00	0 HR	\$0.00	\$33.33	\$0.00
POWDER/CAP MAGAZINE		\$750	1	\$750	\$0.00	8 HR	\$8.00	\$15.00	\$8.00
PICKUP / CREW VAN		\$1,000	4	\$4,000	\$0.00	0 HR	\$0.00	\$25.00	\$0.00
JACKLEG / STOPPER		\$220	4	\$880	\$4.50	12 HR	\$54.00	\$133.33	\$54.00
400 AMP WELDER		\$150	1	\$150	\$1.00	8 HR	\$8.00	\$29.33	\$8.00
U/G PUMPS (13,30 HP)		\$1,000	5	\$5,000	\$0.25	8 HR	\$2.00	\$5.00	\$2.00
GROUT PUMP		\$1,000	1	\$1,000	\$3.00	24 HR	\$72.00	\$166.67	\$72.00
GRADER/DOZER		\$4,000	1	\$4,000	\$0.00	0 HR	\$0.00	\$33.33	\$0.00
INTERMEDIATE LOADER		\$200	1	\$200	\$15.00	3 HR	\$45.00	\$133.33	\$45.00
					\$0.25	6 HR	\$1.50	\$6.67	\$1.50
TOTALS				\$72,490 PER MONTH				\$2,416.33	\$1,362.88

ADVANCE PER DAY
COST/FT

RENTALS
\$64.44

37.50 FT/DAY
REPAIRS
\$36.34

FUEL / LUBE COST

EQUIPMENT DESCRIPTION	ENGINE	NUMBER OF UNITS REQ'D	OPERATING HOURS PER DAY PER UNIT	TOTAL OPERATING HOURS PER DAY	FUEL REQ'D PER HOUR	TOTAL FUEL PER DAY	FUEL COST PER LITRE	FUEL COST PER DAY	LUBE COST @ 15% OF FUEL COST	TOTAL OPER. COST PER DAY
3 BOOM ELECT/HYD JUMBO		1	3	3	16.7 LT	50.0	\$0.40	\$19.99	\$3.00	\$22.99
ST - 8 SCOOPTRAM		2	6	12	48.0 LT	576.0	\$0.40	\$230.40	\$34.56	\$264.96
CM 1824 TRUCK		1	12	12	48.0 LT	576.0	\$0.40	\$230.40	\$34.56	\$264.96
ROCKBOLT JUMBO		1	6	6	16.7 LT	100.0	\$0.40	\$39.98	\$6.00	\$45.98
GRADER/DOZER		1	3	3	16.7 LT	50.0	\$0.40	\$19.99	\$3.00	\$22.99
PICKUP / CREW VAN		2	3	6	15.0 LT	90.0	\$0.60	\$54.00	\$8.10	\$62.10

OPERATING COST = \$683.98 /DAY @ 37.50 FT/DAY = \$18.24 COST/FT

\$683.98

 HEADING SIZE = 11.0 x 20.0 FT.

 DRILL STEEL & BIT COST

Holes Drilled Per Round	Hole Total Ft Drilled Depth	Hole Total Ft Drilled Per Round	Steel & Bit Cost Per Ft Drilled	Total Steel & Bits Cost	Average Break Per Round	Steel & Bits Cost Per Ft
52	14.00	728 FT	\$0.40	\$291.20	12.50 FT	\$23.30
3 (REAMED)	14.00	42 FT	\$0.50	\$21.00	12.50 FT	\$1.68
TOTAL						\$24.98 /FT

 EXPLOSIVES & ACCESSORIES COST

HEADING SIZE = 11.0 x 20.0 FT
 HOLES DRILLED = 55
 HOLES BLASTED = 52
 HOLE DIAMETER = 1 3/4 "
 POWDER TO BE USED = AMEX, CILBEL 70%, XACTEX
 AVERAGE BREAK/RND = 12.50 FEET

DESCRIPTION	NO. OF HOLES	STICKS PER HOLE	TOTAL STICKS	STICKS /CASE	CASE REQ'D	COST PER CASE	TOTAL COST
PRIMER H.E.	52	1	52	125	0.42	\$97.86	\$40.71
PERIMETER XACTEX	15	4	60	100	0.60	\$147.95	\$88.77
LIFTERS & H.E.	19	16	304	125	2.43	\$97.86	\$238.00
CUT H.E.	3	16	48	125	0.38	\$97.86	\$37.58
BLASTHOLES AMEX	11	1.04 (LB/FT)	160 (LB.)	-	-	\$0.45 /LB.	\$72.07
SUBTOTAL							\$477.13
12.00% F.S.T.							\$57.26
0.00% P.S.T.							\$0.00
TOTAL							\$534.38

DESCRIPTION	NO. OF HOLES	CAPS PER HOLE	TOTAL CAPS OR FUSE	COST PER CAP	COST PER ROUND	COST OF MISC.	TOTAL COST
DETONATORS	52	1	52	\$2.14	\$111.28	\$5.00	\$116.28
12.00% F.S.T.							\$13.95
0.00% P.S.T.							\$0.00
TOTAL							\$130.23

TOTAL EXPLOSIVES COST = \$534.38
 TOTAL DETONATORS COST = \$130.23

TOTAL COST = \$664.61 PER RND / 12.50 FT = \$53.17 / FT

(B:FARAMP1)

VARIABLES

S/T HOURS	40 /WK	LABOUR	QUANTITY	RATE/HR	BONUS/HR	EXPLOSIVES COSTS	STKS/CSE	# LIFTERS	19			
DAYS/WK	7 /WK	PROJ. SUPT	1	\$17.00	\$12.00	CILGEL	\$97.86 PER CSE.	125		# PRMHOLE	11 HALF AMEX	CURRAGH-FARO DEPOSIT
O/T HOURS	16 /WK	SHIFTBOSS	3	\$16.25	\$12.00	AMEX	\$0.45 PER LB.	1.04		# PERIM	15	
O/T RATE	1.50	MECHANIC	3	\$16.00	\$6.00	XACTEX	\$147.95 PER CSE.	100		# CUT	3	11 FT X 20 FT RAMP
BONUS	\$12.00 /HR	ELECT.	1	\$16.00	\$6.00	CAPS	\$2.14 EACH	-		TOTAL	48	
HRLY FRNG	20%	MINER	9	\$15.00	\$12.00	MISC	\$5.00	-		DR REPAIR	\$0.15 /FT	
STAFF FRG	20%	SURVEYOR	1	\$14.00	\$0.00	BRS COST	\$0.600 /LITRE					
RM+BD	\$25.00 /DAY	CLERK	1	\$10.00	\$0.00	FUEL COST	\$0.400 /LITRE					
HOLES/RND	55	EXPEDITOR	0	\$12.50	\$0.00	B & A	15.00%	HOSES	1.00%			
HOLE/DEPT	14 FEET					MARGIN	10.00%	INS/COMM	1.00%			
AVER BRK	12.50 FEET	STEEL & BITS COST/FT		\$0.40				FREIGHT	3.00%			
MONTH	30 DAYS											
ADVANCE	37.50 FEET/DAY											

DIRECT LABOUR COSTS

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL									
MINER	\$15.00	40	16	64	\$960.00	\$137.14	\$96.00	\$233.14	\$46.63	\$25.00	\$304.77	9	\$2,742.94

DIRECT LABOUR COST = \$2,742.94 /DAY @ 37.50 FT/DAY = \$73.15 /FT

SUPPORT LABOUR COST

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL									
PROJ. SUPT	\$17.00	40	16	64	\$1,088.00	\$155.43	\$96.00	\$251.43	\$50.29	\$25.00	\$326.71	1	\$326.71
SHIFTBOSS	\$16.25	40	16	64	\$1,040.00	\$148.57	\$96.00	\$244.57	\$48.91	\$25.00	\$318.49	3	\$953.46
MECHANIC	\$16.00	40	16	64	\$1,024.00	\$146.29	\$48.00	\$194.29	\$38.86	\$25.00	\$258.14	3	\$774.43
ELECT.	\$16.00	40	16	64	\$1,024.00	\$146.29	\$48.00	\$194.29	\$38.86	\$25.00	\$258.14	1	\$258.14
SURVEYOR	\$14.00	40	16	64	\$896.00	\$128.00	\$0.00	\$128.00	\$25.60	\$25.00	\$178.60	1	\$178.60
CLERK	\$10.00	40	16	64	\$640.00	\$91.43	\$0.00	\$91.43	\$18.29	\$25.00	\$134.71	1	\$134.71
EXPEDITOR	\$12.50	40	16	64	\$800.00	\$114.29	\$0.00	\$114.29	\$22.86	\$25.00	\$162.14	0	\$0.00

SUPPORT LABOUR COST = \$2,628.06 /DAY @ 37.50 FT/DAY = \$70.08 /FT

10 \$2,628.06

CURRAGH - FARD DEPOSIT

11.0 x 20.0 FT

RAMP

SHANTY BACK

BID SUMMARY SHEET

<u>CATEGORY</u>		<u>COST / FT</u>
DIRECT LABOUR		\$73.15
SUPPORT LABOUR		\$70.08
STEEL & BITS		\$24.98
EXPLOSIVES & ACCESSORIES		\$53.17
EQUIPMENT RENTAL		\$64.44
EQUIPMENT REPAIR		\$36.34
FUEL & LUBE		\$18.24
PIPE & ACCESSORIES		\$16.61
VENTILATION & ACCESSORIES		\$11.39
ELECTRIC CABLE		\$16.25
HOSES, SMALL TOOLS		\$3.85
INSURANCE, COMMUNICATION		\$3.85
FREIGHT DURING CONTRACT		\$11.54
		<hr/>
SUBTOTAL		\$403.87
G & A	15.0%	\$60.58
		<hr/>
TOTAL COST		\$464.45
MARGIN	10.0%	\$40.39
PRICE		\$504.84 /FT

ELECTRIC CABLE COST

ITEMS	3C #12			3C #6 (PUMP)			3C #2			3C #4/0			BLAST LINE (2C #18)		
	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE
ELECTRIC CABLE	0	\$0.87	\$0.00	1	\$2.29	\$2.29	0	\$4.29	\$0.00	1	\$10.40	\$10.40	1	\$0.50	\$0.50
SUBTOTAL			\$0.00			\$2.29			\$0.00			\$10.40			\$0.50
DAMAGE @ 10%			\$0.00			\$0.23			\$0.00			\$1.04			\$0.05
F.S.T. @ 12%			\$0.00			\$0.30			\$0.00			\$1.37			\$0.07
P.S.T. @ 0%			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00
TOTALS			\$0.00			\$2.82			\$0.00			\$12.81			\$0.62
COST/FT = \$16.25			\$0.00 /FT			\$2.82 /FT			\$0.00 /FT			\$12.81 /FT			\$0.62

PIPE & ACCESSORY COST

ITEMS	2" LINE			4" LINE (AIR)			4" LINE			6" LINE (PUMP)			8" LINE		
	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE
PIPES	100	\$1.39	\$139.00	100	\$3.45	\$345.00	0	\$3.45	\$0.00	100	\$4.80	\$480.00	0	\$0.00	\$0.00
COUPLING	7	\$4.80	\$33.60	7	\$9.60	\$67.20	0	\$9.60	\$0.00	5	\$16.55	\$82.75	0	\$0.00	\$0.00
VALVES	1	\$39.99	\$39.99	1/500'	\$105.80	\$21.16	0	\$105.80	\$0.00	1/500'	\$198.85	\$39.77	0	\$0.00	\$0.00
ELBOMS 90 DEG	0	\$6.40	\$0.00	0	\$18.05	\$0.00	0	\$18.05	\$0.00	1/200'	\$45.65	\$22.83	0	\$0.00	\$0.00
ELBOMS 45 DEG	0	\$6.40	\$0.00	0	\$18.05	\$0.00	0	\$18.05	\$0.00	1/200'	\$45.65	\$22.83	0	\$0.00	\$0.00
TEES	1	\$6.40	\$6.40	1/500'	\$27.85	\$5.57	0	\$27.85	\$0.00	1/500'	\$73.55	\$14.71	0	\$0.00	\$0.00
REDUCERS	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
CHAIN HANGERS	7	\$2.92	\$20.44	7	\$2.92	\$20.44	0	\$2.92	\$0.00	5	\$2.92	\$14.60	0	\$0.00	\$0.00
3/16 CHAIN	50	\$0.32	\$16.00	50	\$0.32	\$16.00	0	\$0.32	\$0.00	50	\$0.32	\$16.00	0	\$0.00	\$0.00
SUBTOTAL			\$255.43			\$475.37			\$0.00			\$693.48			\$0.00
DAMAGE @ 10%			\$25.54			\$47.54			\$0.00			\$69.35			\$0.00
F.S.T. @ 6%			\$16.86			\$31.37			\$0.00			\$45.77			\$0.00
P.S.T. @ 0%			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00
TOTALS			\$297.83			\$554.28			\$0.00			\$808.60			\$0.00

COST/FT = \$16.61 / FT \$2.98 / FT \$5.54 / FT \$0.00 / FT \$8.09 / FT \$0.00

VENTILATION & ACCESSORIES COST

ITEMS	12" DIA.			30" DIA.			36" DIA.			42" DIA.			48" DIA.		
	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE
VENTILATION PIPE	0	\$2.39	\$0.00	0	\$0.00	\$0.00	0	\$5.65	\$0.00	0	\$6.81	\$0.00	50	\$7.85	\$392.50
VENTILATION TUBE	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
PIPE COUPLING	0	\$2.10	\$0.00	0	\$0.00	\$0.00	0	\$2.25	\$0.00	0	\$2.10	\$0.00	3	\$2.10	\$6.30
PIPE HANGERS	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
PIPE ELBOMS	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
PIPE TEES	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
TUBE COUPLING	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
TUBE HANGER	0	\$2.85	\$0.00	0	\$0.00	\$0.00	0	\$2.92	\$0.00	0	\$2.85	\$0.00	3	\$2.85	\$8.55
MESSENGER WIRE	0	\$0.33	\$0.00	0	\$0.00	\$0.00	0	\$0.32	\$0.00	0	\$0.33	\$0.00	50	\$0.33	\$16.50
SUBTOTAL			\$0.00			\$0.00			\$0.00			\$0.00			\$423.85
DAMAGE @ 20%			\$0.00			\$0.00			\$0.00			\$0.00			\$84.77
F.S.T. @ 12%			\$0.00			\$0.00			\$0.00			\$0.00			\$61.03
P.S.T. @ 0%			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00
TOTALS			\$0.00			\$0.00			\$0.00			\$0.00			\$569.65

COST/FT = \$11.39 / FT \$0.00 / FT \$0.00 / FT \$0.00 / FT \$0.00 / FT \$11.39

EQUIPMENT RENTAL AND REPAIR COST

EQUIPMENT DESCRIPTION	COMMENTS	RENT PER UNIT	NO. OF UNITS REQ'D	TOTAL RENTAL COST/MONTH	REPAIR COST PER HR., M.	HRS. OPERATING PER DAY OR M. DRILLED	REPAIR COST PER DAY	RENTAL COST PER DAY	REPAIR COST PER DAY
3 ROOM ELECTRIC/HYDRAULIC JUMBO		\$10,000	1	\$10,000	\$15.00	3 HR	\$45.00	\$333.33	\$45.00
DRILL REPAIR		-	-	-	\$0.15	1913 FT	\$286.88	\$0.00	\$286.88
ST - 8 SCOOPTRAM		\$10,000	2	\$20,000	\$29.00	12 HR	\$348.00	\$666.67	\$348.00
CM 1824 TRUCK		\$8,700	2	\$17,400	\$23.00	12 HR	\$276.00	\$580.00	\$276.00
ROCKBOLT JUMBO		\$3,500	1	\$3,500	\$18.00	6 HR	\$108.00	\$116.67	\$108.00
600 CFM ELECT. COMPRESSOR		\$2,100	1	\$2,100	\$1.50	24 HR	\$36.00	\$70.00	\$36.00
FRESHWATER PUMP - ELECTRIC		\$210	1	\$210	\$0.25	24 HR	\$6.00	\$7.00	\$6.00
WAREHOUSE TRAILER		\$300	1	\$300	\$0.00	0 HR	\$0.00	\$10.00	\$0.00
OFFICE/DRY TRAILER		\$600	1	\$600	\$0.00	0 HR	\$0.00	\$20.00	\$0.00
MINE LIGHTS & CHARGER		\$10	20	\$200	\$1.25	24 HR	\$30.00	\$6.67	\$30.00
38 " x 75 HP JOY FAN		\$450	1	\$450	\$0.25	24 HR	\$6.00	\$15.00	\$6.00
OXY & ACET TORCHES		\$50	1	\$50	\$1.00	8 HR	\$8.00	\$1.67	\$8.00
SAFETY GEAR		\$100	1	\$100	\$0.00	8 HR	\$0.00	\$3.33	\$0.00
FIRST AID GEAR		\$150	1	\$150	\$0.00	8 HR	\$0.00	\$5.00	\$0.00
SHOP TOOLS		\$1,000	1	\$1,000	\$0.00	0 HR	\$0.00	\$33.33	\$0.00
SURVEY GEAR		\$450	1	\$450	\$1.00	8 HR	\$8.00	\$15.00	\$8.00
POWDER/CAP MAGAZINE		\$750	1	\$750	\$0.00	0 HR	\$0.00	\$25.00	\$0.00
PICKUP / CREW VAN		\$1,000	4	\$4,000	\$4.50	12 HR	\$54.00	\$133.33	\$54.00
JACKLES / STOPPER		\$220	4	\$880	\$1.00	8 HR	\$8.00	\$29.33	\$8.00
400 AMP WELDER		\$150	1	\$150	\$0.25	8 HR	\$2.00	\$5.00	\$2.00
U/S PUMPS (11,30 HP)		\$1,000	5	\$5,000	\$3.00	24 HR	\$72.00	\$166.67	\$72.00
GROUT PUMP		\$1,000	1	\$1,000	\$0.00	0 HR	\$0.00	\$33.33	\$0.00
GRADER/DOZER		\$4,000	1	\$4,000	\$15.00	3 HR	\$45.00	\$133.33	\$45.00
INTERMEDIATE LOADER		\$200	1	\$200	\$0.25	6 HR	\$1.50	\$6.67	\$1.50
TOTALS				\$72,490 PER MONTH				\$2,416.33	\$1,340.38

ADVANCE PER DAY
RENTALS 37.50 FT/DAY
REPAIRS
COST/FT \$64.44 \$35.74

FUEL / LUBE COST

EQUIPMENT DESCRIPTION	ENGINE	NUMBER OF UNITS REQ'D	OPERATING HOURS PER UNIT PER UNIT	TOTAL OPERATING HOURS PER DAY	FUEL REQ'D PER HOUR	TOTAL FUEL PER DAY	FUEL COST PER LITRE	FUEL COST PER DAY	LUBE COST @ 15% OF FUEL COST	TOTAL OPER. COST PER DAY
3 ROOM ELECT/HYD JUMBO		1	3	3	16.7 LT	50.0	\$0.40	\$19.99	\$3.00	\$22.99
ST - 8 SCOOPTRAM		2	6	12	48.0 LT	576.0	\$0.40	\$230.40	\$34.56	\$264.96
CM 1824 TRUCK		1	12	12	48.0 LT	576.0	\$0.40	\$230.40	\$34.56	\$264.96
ROCKBOLT JUMBO		1	6	6	16.7 LT	100.0	\$0.40	\$39.98	\$6.00	\$45.98
GRADER/DOZER		1	3	3	16.7 LT	50.0	\$0.40	\$19.99	\$3.00	\$22.99
PICKUP / CREW VAN		2	3	6	15.0 LT	90.0	\$0.60	\$54.00	\$8.10	\$62.10

OPERATING COST = \$683.96 /DAY @ 37.50 FT/DAY = \$18.24 COST/FT \$683.98

 HEADING SIZE = 11.0 x 20.0 FT

 DRILL STEEL & BIT COST

HOLES DRILLED PER ROUND	HOLE TOTAL FT DRILLED DEPTH	PER ROUND	STEEL & BIT COST PER FT DRILLED	TOTAL STEEL & BITS COST	AVERAGE BREAK PER ROUND	STEEL & BITS COST PER FT
48	14.00	672 FT	\$0.40	\$258.00	12.50 FT	\$21.50
3 (REAMED)	14.00	42 FT	\$0.50	\$21.00	12.50 FT	\$1.68
TOTAL						\$23.18 /FT

 EXPLOSIVES & ACCESSORIES COST

HEADING SIZE = 11.0 x 20.0 FT
 HOLES DRILLED = 51
 HOLES BLASTED = 48
 HOLE DIAMETER = 1 3/4"
 POWDER TO BE USED = AMEX, CILGEL 70%, XACTEX
 AVERAGE BREAK/RND = 12.50 FEET

DESCRIPTION	NO. OF HOLES	STICKS PER HOLE	TOTAL STICKS	STICKS /CASE	CASE REQ'D	COST PER CASE	TOTAL COST
PRIMER H.E.	48	1	48	125	0.38	\$97.86	\$37.58
PERIMETER XACTEX	15	4	60	100	0.60	\$147.95	\$88.77
LIFTERS & H.E.	19	16	304	125	2.43	\$97.86	\$238.00
CUT H.E.	3	16	48	125	0.38	\$97.86	\$37.58
BLASTHOLES AMEX	11	1.04 (LB/FT)	160 (LB.)	-	-	\$0.45 /LB.	\$72.07
SUBTOTAL							\$473.99
12.00% F.S.T.							\$56.88
0.00% P.S.T.							\$0.00
TOTAL							\$530.87

DESCRIPTION	NO. OF HOLES	CAPS PER HOLE	TOTAL CAPS OR FUSE	COST PER CAP	COST PER ROUND	COST OF MISC.	TOTAL COST
DETONATORS	48	1	48	\$2.14	\$102.72	\$5.00	\$107.72
12.00% F.S.T.							\$12.93
0.00% P.S.T.							\$0.00
TOTAL							\$120.65

TOTAL EXPLOSIVES COST = \$530.87
 TOTAL DETONATORS COST = \$120.65

TOTAL COST = \$651.52 PER RND / 12.50 FT = \$52.12 / FT

(B:FARAMP1)

VARIABLES

S/T HOURS	40 /WK	LABOUR	QUANTITY	RATE/HR	BONUS/HR	EXPLOSIVES COSTS	STKS/CSE	# LIFTERS	19	
DAYS/WK	7 /WK	PROJ. SUPT	1	\$17.00	\$12.00	CILGEL	\$97.86 PER CSE.	125		
D/T HOURS	16 /WK	SHIFTBOSS	3	\$16.25	\$12.00	AMEX	\$0.45 PER LB.	1.04		
D/T RATE	1.50	MECHANIC	3	\$16.00	\$6.00	XACTEX	\$147.95 PER CSE.	100		
BONUS	\$12.00 /HR	ELECT.	1	\$16.00	\$6.00	CAPS	\$2.14 EACH	-		
HRLY FRNG	20%	MINER	9	\$15.00	\$12.00	MISC	\$5.00	-		
STAFF FRG	20%	SURVEYOR	1	\$14.00	\$0.00	GRS COST	\$0.600 /LITRE			
RM+BD	\$25.00 /DAY	CLERK	1	\$10.00	\$0.00	FUEL COST	\$0.400 /LITRE			
HOLES/RND	51	EXPEDITOR	0	\$12.50	\$0.00	G & A	15.00%	HOSES	1.00%	
HOLE/DEPT	14 FEET	STEEL & BITS COST/FT		\$0.40		MARGIN	10.00%	INS/COMM	1.00%	
AVR BRK	12.50 FEET							FREIGHT	3.00%	
MONTH	30 DAYS									
ADVANCE	37.50 FEET/DAY									

CURRAGH-FARO DEPOSIT
11 FT X 20 FT RAMP
IN WASTE
DR REPAIR \$0.15 /FT

DIRECT LABOUR COSTS

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL									
MINER	\$15.00	40	16	64	\$960.00	\$137.14	\$96.00	\$233.14	\$46.63	\$25.00	\$304.77	9	\$2,742.94

DIRECT LABOUR COST = \$2,742.94 /DAY @ 37.50 FT/DAY = \$73.15 /FT

SUPPORT LABOUR COST

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL									
PROJ. SUPT	\$17.00	40	16	64	\$1,088.00	\$155.43	\$96.00	\$251.43	\$50.29	\$25.00	\$326.71	1	\$326.71
SHIFTBOSS	\$16.25	40	16	64	\$1,040.00	\$148.57	\$96.00	\$244.57	\$48.91	\$25.00	\$318.49	3	\$955.46
MECHANIC	\$16.00	40	16	64	\$1,024.00	\$146.29	\$48.00	\$194.29	\$38.86	\$25.00	\$258.14	3	\$774.43
ELECT.	\$16.00	40	16	64	\$1,024.00	\$146.29	\$48.00	\$194.29	\$38.86	\$25.00	\$258.14	1	\$258.14
SURVEYOR	\$14.00	40	16	64	\$896.00	\$128.00	\$0.00	\$128.00	\$25.60	\$25.00	\$178.60	1	\$178.60
CLERK	\$10.00	40	16	64	\$640.00	\$91.43	\$0.00	\$91.43	\$18.29	\$25.00	\$134.71	1	\$134.71
EXPEDITOR	\$12.50	40	16	64	\$800.00	\$114.29	\$0.00	\$114.29	\$22.86	\$25.00	\$162.14	0	\$0.00

SUPPORT LABOUR COST = \$2,628.06 /DAY @ 37.50 FT/DAY = \$70.08 /FT

10 \$2,628.06

CURRAGH - FARD DEPOSIT

11.0 x 20.0 FT RAMP IN WASTE

BID SUMMARY SHEET

<u>CATEGORY</u>	<u>COST / FT</u>
DIRECT LABOUR	\$73.15
SUPPORT LABOUR	\$70.08
STEEL & BITS	\$23.18
EXPLOSIVES & ACCESSORIES	\$52.12
EQUIPMENT RENTAL	\$64.44
EQUIPMENT REPAIR	\$35.74
FUEL & LUBE	\$18.24
PIPE & ACCESSORIES	\$16.61
VENTILATION & ACCESSORIES	\$11.39
ELECTRIC CABLE	\$16.25
HOSES, SMALL TOOLS	\$3.81
INSURANCE, COMMUNICATION	\$3.81
FREIGHT DURING CONTRACT	\$11.44
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SUBTOTAL	\$400.26
G & A 15.0%	\$60.04
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TOTAL COST	\$460.30
MARGIN 10.0%	\$40.03
PRICE	\$500.33 /FT

EQUIPMENT RENTAL AND REPAIR COST

EQUIPMENT DESCRIPTION	COMMENTS	RENT PER UNIT	NO. OF UNITS REQ'D	TOTAL RENTAL COST/MONTH	REPAIR COST PER HR., M.	HRS. OPERATING PER DAY OR M. DRILLED	REPAIR COST PER DAY	RENTAL COST PER DAY	REPAIR COST PER DAY
ALIMAK C/W RAILS		\$10,000	1	\$10,000	\$17.00	15 HR	\$272.00	\$333.33	\$272.00
JACKLES / STOPER		\$220	4	\$880	\$1.00	6 HR	\$6.00	\$29.33	\$6.00
DRILL REPAIR		-	-	-	\$0.15	476 FT	\$71.40	\$0.00	\$71.40
INTERMEDIATE LOADER		\$200	1	\$200	\$0.25	3 HR	\$0.75	\$6.67	\$0.75
ST 8 SCOOPTRAM		\$10,000	-	\$0	\$29.00	3 HR	\$87.00	\$0.00	\$87.00
<u>TOTALS</u>				\$11,080 PER MONTH				\$369.33	\$437.15

ADVANCE PER DAY
COST/FT 14.00 FT/DAY
RENTALS REPAIRS
\$26.38 \$31.23

FUEL / LUBE COST

EQUIPMENT DESCRIPTION	ENGINE	NUMBER OF UNITS REQ'D	OPERATING HOURS PER DAY PER UNIT	TOTAL OPERATING HOURS PER DAY	FUEL REQ'D PER HOUR	TOTAL FUEL PER DAY	FUEL COST PER LITRE	FUEL COST PER DAY	LUBE COST @ 15% OF FUEL COST	TOTAL OPER. COST PER DAY
ST 8 SCOOPTRAM	-	1	3	3	48.0 LT	144.0	\$0.40	\$57.60	\$8.64	\$66.24
ALIMAK	-	1	24	24	- LT	0.0	-	\$0.00	\$25.00	\$25.00
JACKLES / STOPER	-	4	0	0	0.0 LT	0.0	-	\$0.00	\$2.50	\$2.50

OPERATING COST = \$93.74 /DAY @ 14.00 FT/DAY = \$6.70 COST/FT

\$93.74

HEADING SIZE = 6.0 x 6.0 FT

DRILL STEEL & BIT COST

HOLES DRILLED PER ROUND	HOLE DEPTH	TOTAL FT DRILLED PER ROUND	STEEL & BIT COST PER FT DRILLED	TOTAL STEEL & BITS COST	AVERAGE BREAK PER ROUND	STEEL & BITS COST PER FT
31	8	248 FT	\$0.40	\$99.20	7.00 FT	\$14.17
3 (REARMD)	8	24 FT	\$0.50	\$12.00	7.00 FT	\$1.71
TOTAL						\$15.89 /FT

EXPLOSIVES & ACCESSORIES COST

HEADING SIZE = 6.0 x 6.0 FT
 HOLES DRILLED = 34
 HOLES BLASTED = 31
 HOLE DIAMETER = 1 3/8 "
 POUNDER TO BE USED = AMEX, CILBEL 70%
 AVERAGE BREAK/RND = 7.00 FEET

DESCRIPTION	NO. OF HOLES	STICKS PER HOLE	TOTAL STICKS	STICKS /CASE	CASE REQ'D	COST PER CASE	TOTAL COST
PRIMER H.E.	31	1	31	195	0.16	\$97.86	\$15.56
PERIMETER XACTEX	0	0	0	100	0.00	\$147.95	\$0.00
LIFTERS & H.E.	0	0	0	195	0.00	\$97.86	\$0.00
CUT H.E.	3	10	30	195	0.15	\$97.86	\$15.06
BLASTHOLES AMEX	28	0.53 (LB/FT)	104 (LB.)	-	-	\$0.45 /LB.	\$46.75
SUBTOTAL							\$77.36
12.00% F.S.T.							\$9.28
0.00% P.S.T.							\$0.00
TOTAL							\$86.64

DESCRIPTION	NO. OF HOLES	CAPS PER HOLE OR FUSE	TOTAL CAPS	COST PER CAP	COST PER ROUND	COST OF MISC.	TOTAL COST
DETONATORS	31	1	31	\$2.14	\$66.34	\$5.00	\$71.34
12.00% F.S.T.							\$8.56
0.00% P.S.T.							\$0.00

TOTAL EXPLOSIVES COST = \$86.64
 TOTAL DETONATORS COST = \$79.90

TOTAL \$79.90

TOTAL COST = \$166.54 PER RND / 7.00 FT = \$23.79 / FT

(B:Farset1)

VARIABLES

S/T HOURS	40 /WK	LABOUR	QUANTITY	RATE/HR	BONUS/HR	EXPLOSIVES COSTS	STKS/CSE	# LIFTERS	0
DAYS/WK	7 /WK	PROJ. SUPT	0	\$17.00	\$12.00	CILGEL \$97.86 PER CSE.	195	# PROHOLE	28
O/T HOURS	16 /WK	SHIFTBOSS	0	\$16.25	\$12.00	AMEX \$0.45 PER LB.	0.53	# PERIM	0
O/T RATE	1.50	MECHANIC	0	\$16.00	\$6.00	XACTEX \$147.95 PER CSE.	100	# CUT	3
BONUS	\$12.00 /HR	ELECT.	0	\$16.00	\$6.00	CAPS \$2.14 EACH	-	TOTAL	31
HRLY FRNG	20%	MINER	5	\$15.00	\$12.00	MISC \$5.00	-		
STAFF FRG	20%	SURV/EXP	0	\$12.50	\$0.00			DR REPAIR	\$0.15 /FT
RM+BD	\$25.00 /DAY	CLERK	0	\$10.00	\$0.00	GAS COST \$0.60 /LITRE			
HOLES/RND	34	EXPEDITOR	0	\$12.50	\$0.00	FUEL COST \$0.40 /LITRE			
HOLE/DEPT	8.00 FEET					G & A 15.00%	HOSES 1.00%		
AYER BRK	7.00 FEET	STEEL & BITS COST/FT		\$0.40		MARGIN 10.00%	INS/COMM 1.00%		
MONTH	30 DAYS						FREIGHT 3.00%		
ADVANCE	14.0 FEET/DAY								

CURRAGH-FARO DEPOSIT
6.0 FT x 6.0 FT
ALIMAK RAISE

DIRECT LABOUR COSTS

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL									
MINER	\$15.00	40	16	64	\$960.00	\$137.14	\$96.00	\$233.14	\$46.63	\$25.00	\$304.77	5	\$1,523.86

DIRECT LABOUR COST = \$1,523.86 /DAY @ 14.00 FT/DAY = \$108.85 /FT

SUPPORT LABOUR COST

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL									
PROJ. SUPT	\$17.00	40	16	64	\$1,088.00	\$155.43	\$96.00	\$251.43	\$50.29	\$25.00	\$326.71	0	\$0.00
SHIFTBOSS	\$16.25	40	16	64	\$1,040.00	\$148.57	\$96.00	\$244.57	\$48.91	\$25.00	\$318.49	0	\$0.00
MECHANIC	\$16.00	40	16	64	\$1,024.00	\$146.29	\$48.00	\$194.29	\$38.86	\$25.00	\$258.14	0	\$0.00
ELECT.	\$16.00	40	16	64	\$1,024.00	\$146.29	\$48.00	\$194.29	\$38.86	\$25.00	\$258.14	0	\$0.00
SURV/EXP	\$12.50	40	16	64	\$800.00	\$114.29	\$0.00	\$114.29	\$22.86	\$25.00	\$162.14	0	\$0.00
CLERK	\$10.00	40	16	64	\$640.00	\$91.43	\$0.00	\$91.43	\$18.29	\$25.00	\$134.71	0	\$0.00
EXPEDITOR	\$12.50	40	16	64	\$800.00	\$114.29	\$0.00	\$114.29	\$22.86	\$25.00	\$162.14	0	\$0.00

SUPPORT LABOUR COST = \$0.00 /DAY @ 14.00 FT/DAY = \$0.00 /FT

CURRAGH-FARO DEPOSIT

ALIMAK RAISE

6.0 FT x 6.0 FT

BID SUMMARY SHEET

<u>CATEGORY</u>		<u>COST / FT</u>
DIRECT LABOUR		\$108.85
SUPPORT LABOUR		\$0.00
STEEL & BITS		\$15.89
EXPLOSIVES & ACCESSORIES		\$23.79
EQUIPMENT RENTAL		\$26.38
EQUIPMENT REPAIR		\$31.23
FUEL & LUBE		\$6.70
PIPE & ACCESSORIES		\$0.00
VENTILATION & ACCESSORIES		\$0.00
ELECTRIC CABLE		\$0.00
HOSES, SMALL TOOLS		\$2.13
INSURANCE, COMMUNICATION		\$2.13
FREIGHT DURING CONTRACT		\$6.38
ELECTRIC POWER		-
SUBTOTAL		\$223.47
G & A	15.0%	\$33.52
TOTAL COST		\$256.99
MARGIN	10.0%	\$22.35
PRICE		\$279.33 /FT

EQUIPMENT RENTAL AND REPAIR COST

EQUIPMENT DESCRIPTION	COMMENTS	RENT PER UNIT	NO. OF UNITS REQ'D	TOTAL RENTAL COST/MONTH	REPAIR COST PER HR., M.	HRS. OPERATING PER DAY OR M. DRILLED	REPAIR COST PER DAY	RENTAL COST PER DAY	REPAIR COST PER DAY
ALIMAK C/W RAILS		\$10,000	1	\$10,000	\$17.00	16 HR	\$272.00	\$333.33	\$272.00
JACKLES / STOPER		\$220	4	\$880	\$1.00	6 HR	\$6.00	\$29.33	\$6.00
DRILL REPAIR		-	-	-	\$0.15	0 FT	\$0.00	\$0.00	\$0.00
INTERMEDIATE LOADER		\$200	1	\$200	\$0.25	3 HR	\$0.75	\$6.67	\$0.75
ST 8 SCOOPTRAM		\$10,000	-	\$0	\$29.00	3 HR	\$87.00	\$0.00	\$87.00
TOTALS				\$11,080 PER MONTH				\$369.33	\$365.75

DURATION 3.00 DAYS
RENTALS \$1,108.00
REPAIRS \$1,097.25

FUEL / LUBE COST

EQUIPMENT DESCRIPTION	ENGINE	NUMBER OF UNITS REQ'D	OPERATING HOURS PER DAY PER UNIT	TOTAL OPERATING HOURS PER DAY	FUEL REQ'D PER HOUR	TOTAL FUEL PER DAY	FUEL COST PER LITRE	FUEL COST PER DAY	LUBE COST @ 15% OF FUEL COST	TOTAL OPER. COST PER DAY
ST 8 SCOOPTRAM	-	1	3	3	48.0 LT	144.0	\$0.40	\$57.60	\$8.64	\$66.24
ALIMAK	-	1	24	24	- LT	0.0	-	\$0.00	\$25.00	\$25.00
JACKLES / STOPER	-	4	0	0	0.0 LT	0.0	-	\$0.00	\$2.50	\$2.50

OPERATING COST = \$93.74 /DAY @ 3.00 DAYS = \$281.22

\$93.74

(B:FARSET)

VARIABLES

S/T HOURS	40 /WK	LABOUR	QUANTITY	RATE/HR	BONUS/HR	EXPLOSIVES COSTS	STKS/CSE	# LIFTERS	0
DAYS/WK	7 /WK	PROJ. SUPT	0	\$17.00	\$12.00	CILGEL - PER CSE.	195	# PROHOLE	0
O/T HOURS	16 /WK	SHIFTBOSS	0	\$16.25	\$12.00	AMEX - PER LB.	0.50	# PERIM	0
O/T RATE	1.50	MECHANIC	0	\$16.00	\$6.00	XACTEX - PER CSE.	100	# CUT	0
BONUS	\$12.00 /HR	ELECT.	0	\$16.00	\$6.00	CAPS - EACH	-	TOTAL	0
HRLY FRNG	20%	MINER	5	\$15.00	\$12.00	MISC -	-	DR REPAIR	- /FT
STAFF FRG	20%	SURV/EXP	0	\$14.00	\$0.00	GAS COST \$0.60 /LITRE			
RM+BD	\$25.00 /DAY	CLERK	0	\$10.00	\$0.00	FUEL COST \$0.40 /LITRE			
HOLES/RND	-	EXPEDITOR	0	\$12.50	\$0.00	G & A 15.00%	HOSES 1.00%		
HOLE/DEPT	- FEET					MARGIN 10.00%	INS/COMM 1.00%		
AVER BRK	- FEET	STEEL & BITS COST/FT	-				FREIGHT 3.00%		
MONTH	30 DAYS								
DURATION	3.0 DAYS								

CURRASH-FARO DEPOSIT
6.0 FT x 6.0 FT
ALIMAK RAISE
SETUP / TEARDOWN

DIRECT LABOUR COSTS

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL									
MINER	\$15.00	40	16	64	\$960.00	\$137.14	\$96.00	\$233.14	\$46.63	\$25.00	\$304.77	5	\$1,523.86

DIRECT LABOUR COST = \$1,523.86 /DAY @ 3.00 DAYS = \$4,571.57

SUPPORT LABOUR COST

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL									
PROJ. SUPT	\$17.00	40	16	64	\$1,088.00	\$153.43	\$96.00	\$251.43	\$50.29	\$25.00	\$326.71	0	\$0.00
SHIFTBOSS	\$16.25	40	16	64	\$1,040.00	\$148.57	\$96.00	\$244.57	\$48.91	\$25.00	\$318.49	0	\$0.00
MECHANIC	\$16.00	40	16	64	\$1,024.00	\$146.29	\$48.00	\$194.29	\$38.86	\$25.00	\$258.14	0	\$0.00
ELECT.	\$16.00	40	16	64	\$1,024.00	\$146.29	\$48.00	\$194.29	\$38.86	\$25.00	\$258.14	0	\$0.00
SURV/EXP	\$14.00	40	16	64	\$896.00	\$128.00	\$0.00	\$128.00	\$25.60	\$25.00	\$178.60	0	\$0.00
CLERK	\$10.00	40	16	64	\$640.00	\$91.43	\$0.00	\$91.43	\$18.29	\$25.00	\$134.71	0	\$0.00
EXPEDITOR	\$12.50	40	16	64	\$800.00	\$114.29	\$0.00	\$114.29	\$22.86	\$25.00	\$162.14	0	\$0.00

SUPPORT LABOUR COST = \$0.00 /DAY @ 3.00 DAYS = \$0.00

CURRASH - FARD DEPOSIT

ALIMAK RAISE

6.0 FT x 6.0 FT

SETUP / TEARDOWN

BID SUMMARY SHEET

<u>CATEGORY</u>		<u>COST</u>
DIRECT LABOUR		\$4,571.57
SUPPORT LABOUR		\$0.00
STEEL & BITS		\$0.00
EXPLOSIVES & ACCESSORIES		\$0.00
EQUIPMENT RENTAL		\$1,108.00
EQUIPMENT REPAIR		\$1,097.25
FUEL & LUBE		\$281.22
PIPE & ACCESSORIES		\$0.00
VENTILATION & ACCESSORIES		\$0.00
ELECTRIC CABLE		\$0.00
HOSES, SMALL TOOLS		\$70.58
INSURANCE, COMMUNICATION		\$70.58
FREIGHT DURING CONTRACT		\$211.74
ELECTRIC POWER		-
SUBTOTAL		\$7,410.94
G & A	15.0%	\$1,111.64
TOTAL COST		\$8,522.59
MARGIN	10.0%	\$741.09
PRICE		\$9,263.68

FUEL / LUBE COST

EQUIPMENT DESCRIPTION	ENGINE	NUMBER OF UNITS REQ'D	OPERATING HOURS PER DAY PER UNIT	TOTAL OPERATING HOURS PER DAY	FUEL REQ'D PER HOUR	TOTAL FUEL PER DAY	FUEL COST PER LITRE	FUEL COST PER DAY	LUBE COST @ 15% OF FUEL COST	TOTAL OPER. COST PER DAY
ST - 8 SCOOTRAM JACKLES / STOPER		2	1.0	2	48.0 LT	96.0	\$0.40	\$38.40	\$5.76	\$44.16
									\$5.00	\$5.00

OPERATING COST = \$49.16 / DAY @ 10.50 FT/DAY = \$4.68 COST/FT \$49.16

PIPE & ACCESSORY COST

ITEMS	2" LINE			4" LINE (AIR)			4" LINE			6" LINE (PUMP)			8" LINE		
	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE
PIPES	100	\$1.39	\$139.00	0	\$3.45	\$0.00	0	\$3.45	\$0.00	0	\$4.80	\$0.00	0	\$0.00	\$0.00
COUPLING	7	\$4.80	\$33.60	0	\$9.60	\$0.00	0	\$9.60	\$0.00	0	\$16.55	\$0.00	0	\$0.00	\$0.00
VALVES	1	\$39.99	\$39.99	0	\$105.80	\$21.16	0	\$105.80	\$0.00	0	\$198.85	\$39.77	0	\$0.00	\$0.00
ELBOWS 90 DEG	0	\$6.40	\$0.00	0	\$18.05	\$0.00	0	\$18.05	\$0.00	0	\$45.65	\$22.83	0	\$0.00	\$0.00
ELBOWS 45 DEG	0	\$6.40	\$0.00	0	\$18.05	\$0.00	0	\$18.05	\$0.00	0	\$45.65	\$22.83	0	\$0.00	\$0.00
TEES	1	\$6.40	\$6.40	0	\$27.85	\$5.57	0	\$27.85	\$0.00	0	\$73.55	\$14.71	0	\$0.00	\$0.00
REDUCERS	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00
CHAIN HANGERS	7	\$2.92	\$20.44	0	\$2.92	\$0.00	0	\$2.92	\$0.00	0	\$2.92	\$0.00	0	\$0.00	\$0.00
3/16 CHAIN	50	\$0.32	\$16.00	0	\$0.32	\$0.00	0	\$0.32	\$0.00	0	\$0.32	\$0.00	0	\$0.00	\$0.00
SUBTOTAL			\$255.43			\$25.73			\$0.00			\$100.13			\$0.00
DAMAGE @ 10%			\$25.54			\$2.67			\$0.00			\$10.01			\$0.00
F.S.T. @ 6%			\$16.86			\$1.76			\$0.00			\$6.61			\$0.00
P.S.T. @ 0%			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00
TOTALS			\$297.83			\$31.17			\$0.00			\$115.75			\$0.00

COST/FT = \$5.96 / FT \$2.98 x 2 \$5.96 / FT (2 PIPES) \$0.00 / FT \$0.00 / FT \$0.00 / FT \$0.00 / FT

EXPLOSIVES & ACCESSORIES COST

HEADING SIZE = 4.0 x 6.0 FT
 HOLES DRILLED = 25
 HOLES BLASTED = 22
 HOLE DIAMETER = 1 1/4"
 POWDER TO BE USED = AMEX, CILGEL 70%, XACTEX
 AVERAGE BREAK/RND = 7.00 FEET

DESCRIPTION	NO. OF HOLES	STICKS PER HOLE	TOTAL STICKS	STICKS /CASE	CASE REQ'D	COST PER CASE	TOTAL COST
PRIMER H.E.	22	1	22	195	0.11	\$97.86	\$11.04
PERIMETER XACTEX	0	5	0	100	0.00	\$147.95	\$0.00
LIFTERS & H.E.	11	10	110	195	0.56	\$97.86	\$55.20
CUT H.E.	0	10	0	195	0.00	\$97.86	\$0.00
BLASTHOLES AMEX	11	0.50	44	-	-	\$0.45 /LB.	\$19.80
		(LB/FT)	(LB.)				
							SUBTOTAL \$86.04
							12.00% F.S.T. \$10.33
							0.00% P.S.T. \$0.00
							TOTAL \$96.37

DESCRIPTION	NO. OF HOLES	CAPS PER HOLE	TOTAL CAPS OR FUSE	COST PER CAP	COST PER ROUND	COST OF MISC.	TOTAL COST
DETONATORS	22	1	22	\$2.14	\$47.08	\$5.00	\$52.08
							12.00% F.S.T. \$6.25
							0.00% P.S.T. \$0.00
							TOTAL \$58.33

TOTAL EXPLOSIVES COST = \$96.37
 TOTAL DETONATORS COST = \$58.33

TOTAL COST = \$154.70 PER RND / 7.00 FT = \$22.10 / FT

EQUIPMENT RENTAL AND REPAIR COST

EQUIPMENT DESCRIPTION	COMMENTS	RENT PER UNIT	NO. OF UNITS REQ'D	TOTAL RENTAL COST/MONTH	REPAIR COST PER HR., M.	HRS. OPERATING PER DAY OR M. DRILLED	REPAIR COST PER DAY	RENTAL COST PER DAY	REPAIR COST PER DAY
ST - 8 SCOOPTRAM		\$10,000	0	\$0	\$29.00	2 HR	\$58.00	\$0.00	\$58.00
JACKLEG / STOPPER		\$220	4	\$880	\$1.00	8 HR	\$8.00	\$29.33	\$8.00
INTERMEDIATE LOADER		\$200	1	\$200	\$0.25	6 HR	\$1.50	\$6.67	\$1.50
TOTALS				\$1,080 PER MONTH				\$36.00	\$67.50
							ADVANCE PER DAY		10.50 FT/DAY
							COST/FT	RENTALS \$3.43	REPAIRS \$6.43

(B:FARRSE)

VARIABLES

S/T HOURS	40 /WK	LABOUR	QUANTITY	RATE/HR	BONUS/HR	EXPLOSIVES COSTS	STKS/CSE	# LIFTERS	11			
DAYS/WK	7 /WK	PROJ. SUPT	0	\$17.00	\$12.00	CILGEL	\$97.86 PER CSE.	195		# PRDHOLE	11 HALF AMEX	CURRASH-FARD DEPOSIT
O/T HOURS	16 /WK	SHIFTBOSS	0	\$16.25	\$12.00	AMEX	\$0.45 PER LB.	0.50		# PERIM	0	
O/T RATE	1.50	MECHANIC	0	\$16.00	\$6.00	XACTEX	\$147.95 PER CSE.	100		# CUT	0	4 FT X 6 FT RAISE
BONUS	\$12.00 /HR	ELECT.	0	\$16.00	\$6.00	CAPS	\$2.14 EACH	-		TOTAL	22	
HRLY FRNG	20%	MINER	4	\$15.00	\$12.00	MISC	\$5.00	-		DR REPAIR	\$0.15 /FT	
STAFF FRG	20%	SURV/EXP	0	\$14.00	\$0.00							
RM+RD	\$25.00 /DAY	CLERK	0	\$10.00	\$0.00	GAS COST	\$0.600 /LITRE					
HOLE/RND	25	EXPEDITOR	0	\$12.50	\$0.00	FUEL COST	\$0.400 /LITRE					
HOLE/DEPT	8 FEET					G & A	15.00%	HOSES	1.00%			
AVER BRK	7.00 FEET	STEEL & BITS COST/FT		\$0.40		MARGIN	10.00%	INS/COMM	1.00%			
MONTH	30 DAYS							FREIGHT	3.00%			
ADVANCE	10.5 FEET/DAY											

DIRECT LABOUR COSTS

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL									
MINER	\$15.00	40	16	64	\$960.00	\$137.14	\$96.00	\$233.14	\$46.63	\$25.00	\$304.77	4	\$1,219.09
DIRECT LABOUR COST= \$1,219.09 /DAY @ 10.50 FT/DAY = \$116.10 /FT												4	\$1,219.09

HEADING SIZE = 4.0 x 6.0 FT

DRILL STEEL & BIT COST

HOLES DRILLED PER ROUND	HOLE DEPTH	TOTAL FT DRILLED PER ROUND	STEEL & BIT COST PER FT DRILLED	TOTAL STEEL & BITS COST	AVERAGE BREAK PER ROUND	STEEL & BITS COST PER FT
22	8.00	176 FT	\$0.40	\$70.40	7.00 FT	\$10.06
3 (REAMED)	8.00	24 FT	\$0.50	\$12.00	7.00 FT	\$1.71
TOTAL						\$11.77 /FT

CURRAGH - FARD DEPOSIT

4.0 x 6.0 FT

RAISE

BID SUMMARY SHEET

<u>CATEGORY</u>		<u>COST / FT</u>
DIRECT LABOUR		\$116.10
SUPPORT LABOUR		\$0.00
STEEL & BITS		\$11.77
EXPLOSIVES & ACCESSORIES		\$22.10
EQUIPMENT RENTAL		\$3.43
EQUIPMENT REPAIR		\$6.43
FUEL & LUBE		\$4.68
PIPE & ACCESSORIES		\$5.96
VENTILATION & ACCESSORIES		\$0.00
ELECTRIC CABLE		\$0.00
LADDERS, CRIBBING		\$31.00
HOSES, SMALL TOOLS		\$2.01
INSURANCE, COMMUNICATION		\$2.01
FREIGHT DURING CONTRACT		\$6.04
SUBTOTAL		\$211.54
G & A	15.0%	\$31.73
TOTAL COST		\$243.28
MARGIN	10.0%	\$21.15
PRICE		\$264.43 /FT

 ELECTRIC CABLE COST

ITEMS	3C #12			3C #6 (PUMP)			3C #2			3C #4/0			BLAST LINE (2C #18)		
	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE
ELECTRIC CABLE	0	\$0.87	\$0.00	0	\$2.29	\$0.00	0	\$4.29	\$0.00	1	\$10.40	\$10.40	1	\$0.50	\$0.50
SUBTOTAL			\$0.00			\$0.00			\$0.00			\$10.40			\$0.50
DAMAGE @ 10%			\$0.00			\$0.00			\$0.00			\$1.04			\$0.05
F.S.T. @ 12%			\$0.00			\$0.00			\$0.00			\$1.37			\$0.07
P.S.T. @ 0%			\$0.00			\$0.00			\$0.00			\$0.00			\$0.00
TOTALS			\$0.00			\$0.00			\$0.00			\$12.81			\$0.62
COST/FT = \$13.43			\$0.00 /FT			\$0.00 /FT			\$0.00 /FT			\$12.81 /FT			\$0.62

 GROUND SUPPORT MATERIALS

INSTALL 80 - 6 FT BOLTS PER DAY @ \$4.50 EACH = \$360.00 DAY / 80.00 FT/DAY = \$4.50 /FT

PIPE & ACCESSORY COST

ITEMS	2" LINE			4" LINE (AIR)			4" LINE			6" LINE (PUMP)			8" LINE			
	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	
PIPES	100	\$1.39	\$139.00	100	\$3.45	\$345.00	0	\$3.45	\$0.00	0	\$4.80	\$0.00	0	\$0.00	\$0.00	
COUPLING	7	\$4.80	\$33.60	7	\$9.60	\$67.20	0	\$9.60	\$0.00	0	\$16.55	\$0.00	0	\$0.00	\$0.00	
VALVES	1	\$39.99	\$39.99	1/500'	\$105.80	\$21.16	0	\$105.80	\$0.00	0	\$198.85	\$39.77	0	\$0.00	\$0.00	
ELBOWS 90 DEG	0	\$6.40	\$0.00	0	\$18.05	\$0.00	0	\$18.05	\$0.00	0	\$45.65	\$22.83	0	\$0.00	\$0.00	
ELBOWS 45 DEG	0	\$6.40	\$0.00	0	\$18.05	\$0.00	0	\$18.05	\$0.00	0	\$45.65	\$22.83	0	\$0.00	\$0.00	
TEES	1	\$6.40	\$6.40	1/500'	\$27.85	\$5.57	0	\$27.85	\$0.00	0	\$73.55	\$14.71	0	\$0.00	\$0.00	
REDUCERS	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	
CHAIN HANGERS	7	\$2.92	\$20.44	7	\$2.92	\$20.44	0	\$2.92	\$0.00	0	\$2.92	\$0.00	0	\$0.00	\$0.00	
3/16 CHAIN	50	\$0.32	\$16.00	50	\$0.32	\$16.00	0	\$0.32	\$0.00	0	\$0.32	\$0.00	0	\$0.00	\$0.00	
SUBTOTAL			\$255.43				\$475.37				\$0.00				\$100.13	\$0.00
DAMAGE @ 10%			\$25.54				\$47.54				\$0.00				\$10.01	\$0.00
F.S.T. @ 6%			\$16.86				\$31.37				\$0.00				\$6.61	\$0.00
P.S.T. @ 0%			\$0.00				\$0.00				\$0.00				\$0.00	\$0.00
TOTALS			\$297.83				\$554.28				\$0.00				\$116.75	\$0.00
COST/FT = \$8.52 / FT			\$2.98 / FT				\$5.54 / FT				\$0.00 / FT				\$0.00 / FT	\$0.00

VENTILATION & ACCESSORIES COST

ITEMS	12" DIA.			30" DIA.			36" DIA.			42" DIA.			48" DIA.			
	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	AMOUNT	PRICE EACH	TOTAL PRICE	
VENTILATION PIPE	0	\$2.39	\$0.00	0	\$0.00	\$0.00	0	\$5.65	\$0.00	0	\$6.81	\$0.00	50	\$7.85	\$392.50	
VENTILATION TUBE	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	
PIPE COUPLING	0	\$2.10	\$0.00	0	\$0.00	\$0.00	0	\$2.25	\$0.00	0	\$2.10	\$0.00	3	\$2.10	\$6.30	
PIPE HANGERS	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	
PIPE ELBOWS	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	
PIPE TEES	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	
TUBE COUPLING	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	
TUBE HANGER	0	\$2.85	\$0.00	0	\$0.00	\$0.00	0	\$2.92	\$0.00	0	\$2.85	\$0.00	3	\$2.85	\$8.55	
MESSENGER WIRE	0	\$0.33	\$0.00	0	\$0.00	\$0.00	0	\$0.32	\$0.00	0	\$0.33	\$0.00	50	\$0.33	\$16.50	
SUBTOTAL			\$0.00				\$0.00				\$0.00				\$423.85	\$0.00
DAMAGE @ 20%			\$0.00				\$0.00				\$0.00				\$84.77	\$0.00
F.S.T. @ 12%			\$0.00				\$0.00				\$0.00				\$61.03	\$0.00
P.S.T. @ 0%			\$0.00				\$0.00				\$0.00				\$0.00	\$0.00
TOTALS			\$0.00				\$0.00				\$0.00				\$569.65	\$0.00
COST/FT = \$11.39 / FT			\$0.00 / FT				\$0.00 / FT				\$0.00 / FT				\$0.00 / FT	\$11.39

EQUIPMENT RENTAL AND REPAIR COST

EQUIPMENT DESCRIPTION	COMMENTS	RENT PER UNIT	NO. OF UNITS REQ'D	TOTAL RENTAL COST/MONTH	REPAIR COST PER HR., M.	HRS. OPERATING PER DAY OR M. DRILLED	REPAIR COST PER DAY	RENTAL COST PER DAY	REPAIR COST PER DAY
3 BOOM ELECTRIC/HYDRAULIC JUMBO		\$10,000	2	\$20,000	\$15.00	6 HR	\$90.00	\$666.67	\$90.00
DRILL REPAIR		-	-	-	\$0.15	4400 FT	\$660.00	\$0.00	\$660.00
ST - 8 SCOOPTRAM		\$10,000	3	\$30,000	\$29.00	24 HR	\$696.00	\$1,000.00	\$696.00
CM 1824 TRUCK		\$8,700	3	\$26,100	\$23.00	24 HR	\$552.00	\$870.00	\$552.00
ROCKBOLT JUMBO		\$3,500	1	\$3,500	\$18.00	12 HR	\$216.00	\$116.67	\$216.00
DRILL REPAIR		-	-	-	\$0.15	480 FT	\$72.00	\$0.00	\$72.00
600 CFM ELECT. COMPRESSOR		\$2,100	1	\$2,100	\$1.50	24 HR	\$36.00	\$70.00	\$36.00
FRESHWATER PUMP - ELECTRIC		\$210	1	\$210	\$0.25	24 HR	\$6.00	\$7.00	\$6.00
WAREHOUSE TRAILER		\$300	1	\$300	\$0.00	0 HR	\$0.00	\$7.00	\$6.00
OFFICE/DRY TRAILER		\$600	1	\$600	\$0.00	0 HR	\$0.00	\$10.00	\$0.00
MINE LIGHTS & CHARGER		\$10	45	\$450	\$1.25	24 HR	\$30.00	\$15.00	\$0.00
38" x 75 HP JOY FAN		\$450	5	\$2,250	\$0.25	120 HR	\$30.00	\$75.00	\$30.00
OXY & ACET TORCHES		\$50	1	\$50	\$1.00	8 HR	\$8.00	\$1.67	\$8.00
SAFETY GEAR		\$100	1	\$100	\$0.00	8 HR	\$0.00	\$3.33	\$0.00
FIRST AID GEAR		\$150	1	\$150	\$0.00	8 HR	\$0.00	\$5.00	\$0.00
SHOP TOOLS		\$1,000	1	\$1,000	\$0.00	0 HR	\$0.00	\$33.33	\$0.00
SURVEY GEAR		\$450	1	\$450	\$1.00	8 HR	\$8.00	\$15.00	\$8.00
POWDER/CAP MAGAZINE		\$750	1	\$750	\$0.00	0 HR	\$0.00	\$25.00	\$0.00
PICKUP / CREW VAN		\$1,000	4	\$4,000	\$4.50	12 HR	\$54.00	\$133.33	\$54.00
JACKLES / STOPER		\$220	4	\$880	\$1.00	8 HR	\$8.00	\$29.33	\$8.00
400 AMP WELDER		\$150	1	\$150	\$0.25	8 HR	\$2.00	\$5.00	\$2.00
U/B PUMPS (13,30 HP)		\$1,000	5	\$5,000	\$3.00	24 HR	\$72.00	\$166.67	\$72.00
GRADUT PUMP		\$1,000	1	\$1,000	\$0.00	0 HR	\$0.00	\$33.33	\$0.00
GRADER/DOZER		\$4,000	1	\$4,000	\$15.00	3 HR	\$45.00	\$133.33	\$45.00
16 MAN CARRIER		\$3,500	1	\$3,500	\$7.50	8 HR	\$60.00	\$166.67	\$60.00
2 MAN CARRIER		\$2,500	2	\$5,000	\$7.50	8 HR	\$60.00	\$166.67	\$60.00
INTERMEDIATE LOADER		\$200	1	\$200	\$0.25	8 HR	\$2.00	\$6.67	\$2.00
TOTALS				\$111,740 PER MONTH				\$3,724.67	\$2,704.00

ADVANCE PER DAY COST/FT RENTALS \$46.56 80.00 FT/DAY REPAIRS \$33.80

FUEL / LUBE COST

EQUIPMENT DESCRIPTION	ENGINE	NUMBER OF UNITS REQ'D	OPERATING HOURS PER DAY PER UNIT	TOTAL OPERATING HOURS PER DAY	FUEL REQ'D PER HOUR	TOTAL FUEL PER DAY	FUEL COST PER LITRE	FUEL COST PER DAY	LUBE COST @ 15% OF FUEL COST	TOTAL OPER. COST PER DAY
3 BOOM ELECT/HYD JUMBO		1	6	6	16.7 LT	100.0	\$0.40	\$39.98	\$6.00	\$45.98
ST - 8 SCOOPTRAM		2	12	24	48.0 LT	1152.0	\$0.40	\$460.80	\$69.12	\$529.92
CM 1824 TRUCK		1	24	24	48.0 LT	1152.0	\$0.40	\$460.80	\$69.12	\$529.92
ROCKBOLT JUMBO		1	12	12	16.7 LT	199.9	\$0.40	\$79.97	\$12.00	\$91.96
GRADER/DOZER		1	3	3	16.7 LT	50.0	\$0.40	\$19.99	\$3.00	\$22.99
16 MAN CARRIER		1	6	6	16.7 LT	100.0	\$0.40	\$39.98	\$6.00	\$45.98
2 MAN CARRIER		2	4	8	16.7 LT	133.3	\$0.40	\$53.31	\$8.00	\$61.31
PICKUP / CREW VAN		2	3	6	15.0 LT	90.0	\$0.60	\$54.00	\$8.10	\$62.10

OPERATING COST = \$1,390.17 /DAY @

80.00 FT/DAY = \$17.38 COST/FT

\$1,390.17

HEADING SIZE = 11.0 x 20.0 FT

DRILL STEEL & BIT COST

	HOLES DRILLED PER ROUND	HOLE TOTAL FT DRILLED		STEEL & BIT COST PER FT DRILLED	TOTAL STEEL & BITS COST	AVERAGE BREAK PER ROUND	STEEL & BITS COST PER FT
		DEPTH	PER ROUND				
ROCKBOLTING	52	14.00	728 FT	\$0.40	\$291.20	12.50 FT	\$23.30
	3 (REARMED)	14.00	42 FT	\$0.50	\$21.00	12.50 FT	\$1.68
			480 FT	\$0.40	\$192.00	80.00 FT	\$2.40
TOTAL							\$27.38 /FT

EXPLOSIVES & ACCESSORIES COST

HEADING SIZE = 11.0 x 20.0 FT
 HOLES DRILLED = 52
 HOLES BLASTED = 52
 HOLE DIAMETER = 1 3/4"
 POWDER TO BE USED = AMEX, CILBEL 70%, XACTEX
 AVERAGE BREAK/RND = 12.50 FEET

DESCRIPTION	NO. OF HOLES	STICKS PER HOLE	TOTAL STICKS	STICKS /CASE	CASE REQ'D	COST PER CASE	TOTAL COST
PERIMETER XACTEX	15	4	60	100	0.60	\$147.95	\$88.77
LIFTERS & H.E.	19	16	304	125	2.43	\$97.86	\$238.00
CUT H.E.	3	16	48	125	0.38	\$97.86	\$37.58
BLASTHOLES AMEX	11	1.04 (LB/FT)	160 (LB.)	-	-	\$0.45 /LB.	\$72.07
SUBTOTAL							\$477.13
12.00% F.S.T.							\$57.26
0.00% P.S.T.							\$0.00
TOTAL							\$534.38

DESCRIPTION	NO. OF HOLES	CAPS PER HOLE	TOTAL CAPS OR FUSE	COST PER CAP	COST PER ROUND	COST OF MISC.	TOTAL COST
12.00% F.S.T.							\$13.95
0.00% P.S.T.							\$0.00

TOTAL EXPLOSIVES COST = \$534.38
 TOTAL DETONATORS COST = \$130.23

TOTAL = \$130.23

TOTAL COST = \$664.61 PER RND / 12.50 FT = \$53.17 / FT

(B:FARMIN)

VARIABLES

S/T HOURS	40 /WK	LABOUR	QUANTITY	RATE/HR	BONUS/HR	EXPLOSIVES COSTS	STKS/CSE	# LIFTERS	19
DAYS/WK	7 /WK	PROJ. SUPT	1	\$17.00	\$12.00	CILBEL \$97.86 PER CSE.	125	# PROHOLE	11 HALF AMEX
O/T HOURS	16 /WK	NITE CAPT	1	\$16.50	\$12.00	AMEX \$0.45 PER LB.	1.04	# PERIM	15
O/T RATE	1.50	SHIFTBOSS	3	\$16.25	\$12.00	XACTEX \$147.95 PER CSE.	100	# CUT	3
BONUS	\$12.00 /HR	MAST MECH	1	\$16.25	\$12.00	CAPS \$2.14 EACH	-	TOTAL	48
HRLY FRNG	20%	MAST ELECT	1	\$16.25	\$12.00	MISC \$5.00	-	DR REPAIR	\$0.15 /FT
STAFF FRG	20%	MECHANIC	4	\$16.00	\$6.00	GAS COST \$0.600 /LITRE			
RM+BD	\$25.00 /DAY	ELECT.	1	\$16.00	\$6.00	FUEL COST \$0.400 /LITRE			
HOLE/RND	55	JUMBO MIN	6	\$15.00	\$12.00	G & A 15.00%	HOSES 1.00%		
HOLE/DEPT	14 FEET	SCOOP OP	3	\$15.00	\$12.00	MARGIN 10.00%	INS/COMM 1.00%		
AVER BRK	12.50 FEET	TRUCK OP	3	\$15.00	\$12.00		FREIGHT 3.00%		
MONTH	30 DAYS	ROCKBOLT	3	\$15.00	\$12.00				
ADVANCE	80.00 FEET/DAY	LOAD/BLAST	6	\$15.00	\$9.00				
		SERVICES	4	\$15.00	\$9.00				
		ENGINEER	1	\$15.00	\$0.00				
		SURVEYOR	1	\$14.00	\$0.00				
		CLERK	1	\$10.00	\$0.00				
		TOTAL	40						

CURRAGH-FARD DEPOSIT
MINING 1500 TONNES / DAY

STEEL & BITS COST/FT \$0.40

DIRECT LABOUR COSTS

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	FARES	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL										
JUMBO MIN	\$15.00	40	16	64	\$960.00	\$137.14	\$96.00	\$233.14	\$46.63	\$18.33	\$25.00	\$323.10	6	\$1,938.63
SCOOP OP	\$15.00	40	16	64	\$960.00	\$137.14	\$96.00	\$233.14	\$46.63	\$18.33	\$25.00	\$323.10	3	\$969.31
TRUCK OP	\$15.00	40	16	64	\$960.00	\$137.14	\$96.00	\$233.14	\$46.63	\$18.33	\$25.00	\$323.10	3	\$969.31
ROCKBOLT	\$15.00	40	16	64	\$960.00	\$137.14	\$96.00	\$233.14	\$46.63	\$18.33	\$25.00	\$323.10	3	\$969.31
LOAD/BLAST	\$15.00	40	16	64	\$960.00	\$137.14	\$72.00	\$209.14	\$41.83	\$18.33	\$25.00	\$294.30	6	\$1,765.83
SERVICES	\$15.00	40	16	64	\$960.00	\$137.14	\$72.00	\$209.14	\$41.83	\$18.33	\$25.00	\$294.30	4	\$1,177.22

DIRECT LABOUR COST= \$7,789.62 /DAY @ 80.00 FT/DAY = \$97.37 /FT

SUPPORT LABOUR COST

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	FARES	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL										
PROJ. SUPT	\$17.00	40	16	64	\$1,088.00	\$155.43	\$96.00	\$251.43	\$50.29	\$18.33	\$25.00	\$345.05	1	\$345.05
NITE CAPT	\$16.50	40	16	64	\$1,056.00	\$150.86	\$96.00	\$246.86	\$49.37	\$18.33	\$25.00	\$339.56	1	\$339.56
SHIFTBOSS	\$16.25	40	16	64	\$1,040.00	\$148.57	\$96.00	\$244.57	\$48.91	\$18.33	\$25.00	\$336.82	3	\$1,010.46
MAST MECHANIC	\$16.25	40	16	64	\$1,040.00	\$148.57	\$96.00	\$244.57	\$48.91	\$18.33	\$25.00	\$336.82	1	\$336.82
MECHANIC	\$16.00	40	16	64	\$1,024.00	\$146.29	\$48.00	\$194.29	\$38.86	\$18.33	\$25.00	\$276.48	4	\$1,105.90
MAST ELECTRICIAN	\$16.25	40	16	64	\$1,040.00	\$148.57	\$96.00	\$244.57	\$48.91	\$18.33	\$25.00	\$336.82	1	\$336.82
ELECT.	\$16.00	40	16	64	\$1,024.00	\$146.29	\$48.00	\$194.29	\$38.86	\$18.33	\$25.00	\$276.48	1	\$276.48
ENGINEER	\$15.00	40	16	64	\$960.00	\$137.14	\$0.00	\$137.14	\$27.43	\$18.33	\$25.00	\$207.90	1	\$207.90
SURVEYOR	\$14.00	40	16	64	\$896.00	\$128.00	\$0.00	\$128.00	\$25.60	\$18.33	\$25.00	\$196.93	1	\$196.93
CLERK	\$10.00	40	16	64	\$640.00	\$91.43	\$0.00	\$91.43	\$18.29	\$18.33	\$25.00	\$153.05	1	\$153.05

15 \$4,308.97

CURRAGH - FARD DEPOSIT

11.0 x 20.0 FT

SHANTY BACK

BID SUMMARY SHEET

MINING 1500 TONNES / DAY

<u>CATEGORY</u>	<u>COST / FT</u>
DIRECT LABOUR	\$97.37
SUPPORT LABOUR	\$53.86
STEEL & BITS	\$27.38
EXPLOSIVES & ACCESSORIES	\$53.17
EQUIPMENT RENTAL	\$46.56
EQUIPMENT REPAIR	\$33.80
FUEL & LUBE	\$17.38
PIPE & ACCESSORIES	\$8.52
VENTILATION & ACCESSORIES	\$11.39
ELECTRIC CABLE	\$13.43
GROUND SUPPORT MATERIALS	\$4.50
HOSES, SMALL TOOLS	\$3.67
INSURANCE, COMMUNICATION	\$3.67
FREIGHT DURING CONTRACT	\$11.02
 	<hr/>
SUBTOTAL	\$385.72
G & A 15.0%	\$57.86
TOTAL COST	\$443.58
MARGIN 10.0%	\$38.57
PRICE	\$482.15 / FT

COST PER TONNE =

\$482.15 / FT x 80.00 FT/DAY

= 38,572.37 / DAY / 1,500 TONNES

= \$25.71 / TONNE

MINING-SLUSHER STOPES

FUEL / LUBE COST

EQUIPMENT DESCRIPTION	ENGINE	NUMBER OF UNITS REQ'D	OPERATING HOURS PER DAY PER UNIT	TOTAL OPERATING HOURS PER DAY	FUEL REQ'D PER HOUR	TOTAL FUEL PER DAY	FUEL COST PER LITRE	FUEL COST PER DAY	LUBE COST @ 15% OF FUEL COST	TOTAL OPER. COST PER DAY
ST 8 SCOOPTRAM	-	3	8	24	48.0 LT	1152.0	\$0.40	\$460.80	\$69.12	\$529.92
CM 1824 TRUCK	-	3	8	24	48.0 LT	1152.0	\$0.40	\$460.80	\$69.12	\$529.92
GRADER/DOZER	-	1	2	2	16.7 LT	33.4	\$0.40	\$13.36	\$2.00	\$15.36
16 MAN CARRIER	-	2	3	6	16.7 LT	100.2	\$0.40	\$40.08	\$6.01	\$46.09
2 MAN CARRIER	-	1	8	8	15.0 LT	120.0	\$0.40	\$48.00	\$7.20	\$55.20
PICKUP / CREW VAN	-	3	4	12	15.0 LT	180.0	\$0.60	\$108.00	\$16.20	\$124.20
JACKLES / STOPER	-	-	0	0	0.0 LT	0.0	-	\$0.00	\$0.00	\$0.00
SLUSHER	-	-	0	0	0.0 LT	0.0	-	\$0.00	\$45.00	\$45.00
COMPRESSOR	-	-	0	0	0.0 LT	0.0	-	\$0.00	\$40.00	\$40.00
JUMBO	-	-	0	0	0.0 LT	0.0	-	\$0.00	\$25.00	\$25.00

OPERATING COST = \$1,460.70 /DAY @ 1,500 TONNE/DAY= \$0.97 COST/TONNE

\$1,460.70

GROUND SUPPORT MATERIALS

INSTALL 80 - 6 FT BOLTS PER DAY @ \$4.50 EACH = \$360.00 DAY / 1,500 TONNES = \$0.24 / TONNE

EQUIPMENT RENTAL AND REPAIR COST

EQUIPMENT DESCRIPTION	COMMENTS	RENT PER UNIT	NL OF UNITS REQ, D	TOTAL RENTAL COST/MONTH	REPAIR COST PER HR., M.	HRS. OPERATING PER DAY OR M. DRILLED	REPAIR COST PER DAY	RENTAL COST PER DAY	REPAIR COST PER DAY
20 HP 3 DRUM SLUSHER C/W SCRAPER		\$900	10	\$9,000	\$4.50	80 HR	\$360.00	\$300.00	\$360.00
SLUSHER CABLE		\$200	10	\$2,000	-	-	-	-	-
3 BOOM ELECTRIC HYDRAULIC JUMBO		\$10,000	1	\$10,000	\$15.00	2 HR	\$30.00	\$333.33	\$30.00
DRILL REPAIR		-	-	-	\$0.15	770 FT	\$115.50	\$0.00	\$115.50
ST-8 SCOOPTRAM		\$10,000	3	\$30,000	\$29.00	24 HR	\$696.00	\$1,000.00	\$696.00
CM 1824 TRUCK		\$8,700	3	\$26,100	\$23.00	24 HR	\$552.00	\$870.00	\$552.00
JACKLES / STOPER		\$220	24	\$5,280	\$1.00	65 HR	\$65.00	\$176.00	\$65.00
DRILL REPAIR		-	-	-	\$0.12	3,888 FT	\$466.56	\$0.00	\$466.56
GRADER		\$4,000	1	\$4,000	\$15.00	2 HR	\$30.00	\$133.33	\$30.00
16 MAN CARRIER		\$3,500	1	\$3,500	\$9.50	6 HR	\$57.00	\$116.67	\$57.00
2 MAN CARRIER		\$2,500	2	\$5,000	\$7.50	8 HR	\$60.00	\$166.67	\$60.00
U/G PUMPS (13,30 HP)		\$1,000	5	\$5,000	\$3.00	24 HR	\$72.00	\$166.67	\$72.00
600 CFM ELECT COMPRESSOR		\$2,100	4	\$8,400	\$1.50	48 HR	\$72.00	\$280.00	\$72.00
38" x 75 HP FAN		\$450	5	\$2,250	\$0.25	120 HR	\$30.00	\$75.00	\$30.00
12" FAN		\$200	10	\$2,000	\$0.20	192 HR	\$38.40	\$66.67	\$38.40
MINE LIGHTS & CHARGER		\$10	60	\$600	\$1.25	24 HR	\$30.00	\$20.00	\$30.00
FIRST AID GEAR		\$150	1	\$150	\$0.00	- HR	\$0.00	\$5.00	\$0.00
SAFETY GEAR		\$100	1	\$100	\$0.00	- HR	\$0.00	\$3.33	\$0.00
400 AMP WELDER		\$150	2	\$300	\$0.25	8 HR	\$2.00	\$10.00	\$2.00
OXY & ACET TORCHES		\$50	2	\$100	\$1.00	8 HR	\$8.00	\$3.33	\$8.00
SURVEY GEAR		\$450	1	\$450	\$1.00	8 HR	\$8.00	\$15.00	\$8.00
INTERMEDIATE LOADER		\$200	10	\$2,000	\$0.25	10 HR	\$2.50	\$66.67	\$2.50
SHOP TOOLS		\$1,000	1	\$1,000	\$0.00	16 HR	\$0.00	\$33.33	\$0.00
FRESH WATER PUMP		\$210	1	\$210	\$0.25	24 HR	\$6.00	\$7.00	\$6.00
OFFICE TRAILER		\$300	1	\$300	\$0.00	- HR	\$0.00	\$10.00	\$0.00
WAREHOUSE TRAILER		\$300	1	\$300	\$0.00	- HR	\$0.00	\$10.00	\$0.00
PICKUP / CREW VAN		\$1,000	4	\$4,000	\$4.50	12 HR	\$54.00	\$133.33	\$54.00
GROUT PUMP		\$1,000	1	\$1,000	\$0.00	- HR	\$0.00	\$33.33	\$0.00
POWDER/CAP MAGAZINE		\$750	1	\$750	\$0.00	- HR	\$0.00	\$25.00	\$0.00
TOTALS				\$123,790 PER MONTH				\$4,059.67	\$2,754.96

ADVANCE PER DAY

COST/TONNE

RENTALS
\$2.71

1,500 TONNES/DAY
REPAIRS
\$1.84

SLASH

HEADING SIZE = 2 x 23' x 10'
 HOLES DRILLED = 60
 HOLES BLASTED = 60
 HOLE DIAMETER = 1 1/4"
 POWDER TO BE USED = AMEX, CILBEL 70%
 AVERAGE BREAK/RND = 10.00 FEET

EXPLOSIVES & ACCESSORIES COST

DESCRIPTION	NO. OF HOLES	STICKS PER HOLE	TOTAL STICKS	STICKS /CASE	CASE REQ'D	COST PER CASE	TOTAL COST
PRIMER H.E.	60	1	60	195	0.31	\$97.86	\$30.11
PERIMETER XACTEX	22	4	88	100	0.88	\$147.95	\$130.20
LIFTERS & H.E.	0	0	0	195	0.00	\$97.86	\$0.00
CUT H.E.	0	0	0	195	0.00	\$97.86	\$0.00
BLASTHOLES AMEX	38	0.60 (LB/FT)	251 (LB.)	-	-	\$0.45 /LB.	\$112.86
SUBTOTAL							\$273.17

TOTAL EXPLOSIVES COST

PILOT \$1.05 / TONNE
 SLASH \$2.02 / TONNE
 TOTAL \$3.08 / TONNE

12.00% F.S.T. \$32.78
 0.00% P.S.T. \$0.00
 TOTAL \$305.95

DESCRIPTION	NO. OF HOLES	CAPS PER HOLE	TOTAL CAPS OR FUSE	COST PER CAP	COST PER ROUND	COST OF MISC.	TOTAL COST
DETONATORS	60	1	60	\$2.14	\$128.40	\$5.00	\$133.40

12.00% F.S.T. \$16.01
 0.00% P.S.T. \$0.00

TOTAL \$149.41

TOTAL EXPLOSIVES COST = \$305.95
 TOTAL DETONATORS COST = \$149.41

TOTAL COST = \$455.35 PER RND x 1 RND / 225 TONNES = \$2.02 / TONNE

DRILL STEEL & BIT COST

	HOLES DRILLED PER ROUND	HOLE TOTAL FT DRILLED		STEEL & BIT COST	TOTAL STEEL &	AVERAGE BREAK	STEEL & BITS
		DEPTH	PER ROUND	PER FT DRILLED	BITS COST	PER ROUND	COST PER TON
PILOT (2 ROUNDS)							
REGULAR - 2 x 23	46	6.00	276 FT	\$0.30	\$82.80	225 TONNES	\$0.37
REAMING - 2 x 3	6 (REAMED)	6.00	36 FT	\$0.40	\$14.40	225 TONNES	\$0.06
SLASH	60	10.00	600 FT	\$0.30	\$180.00	225 TONNES	\$0.80
						TOTAL	\$1.23 / TONNE

PILOT

EXPLOSIVES & ACCESSORIES COST

HEADING SIZE = 4' x 6'
 HOLES DRILLED = 26
 HOLES BLASTED = 23
 HOLE DIAMETER = 1 1/4"
 POWDER TO BE USED = AMEX, CILGEL 70%
 AVERAGE BREAK/RND = 5.00 FEET

DESCRIPTION	NO. OF	STICKS	TOTAL	STICKS	CASE	COST PER	TOTAL COST
	HOLES	PER HOLE	STICKS	/CASE	REQ'D	CASE	
PRIMER H.E.	23	1	23	195	0.12	\$97.86	\$11.54
PERIMETER XACTEX	0	5	0	100	0.00	\$147.95	\$0.00
LIFTERS & H.E.	3	6	18	195	0.09	\$97.86	\$9.03
CUT H.E.	0	0	0	195	0.00	\$97.86	\$0.00
BLASTHOLES AMEX	23	0.60 (LB/FT)	69 (LB.)	-	-	\$0.45 /LB.	\$31.05
						SUBTOTAL	\$51.63
						12.00% F. S. T.	\$6.20
						0.00% P. S. T.	\$0.00
						TOTAL	\$57.82

DESCRIPTION	NO. OF	CAPS PER	TOTAL CAPS	COST PER	COST PER	COST OF	TOTAL COST
	HOLES	HOLE	OR FUSE	CAP	ROUND	MISC.	
DETONATORS	23	1	23	\$2.14	\$49.22	\$5.00	\$54.22
						12.00% F. S. T.	\$6.51
						0.00% P. S. T.	\$0.00
						TOTAL	\$60.73

TOTAL EXPLOSIVES COST = \$57.82
 TOTAL DETONATORS COST = \$60.73

TOTAL COST = \$118.55 PER RND x 2 RND / 225 TONNES = \$1.05 / TONNE

(B:FARMIN1)

MINING 1500 TPD

VARIABLES

S/T HOURS	40 /WK	LABOUR	QUANTITY	RATE/HR	BONUS/HR	EXPLOSIVES COSTS	STKS/CSE	# LIFTERS	-	# PROHOLE	- HALF AMEX	CURRAGH - FARD DEPOSIT
DAYS/WK	7 /WK	PROJ.SUPT	1	\$17.00	\$12.00	CILGEL	\$97.86 PER CSE.	195	-	# PERIM	-	MINING
O/T HOURS	16 /WK	NITE CAPT.	1	\$16.50	\$12.00	AMEX	\$0.45 PER LB.	0.60	-	# CUT	-	1,500 TONNES/DAY
O/T RATE	1.50	CLERK/F.A.	1	\$10.00	\$0.00	XACTEX	\$147.95 PER CSE.	100	-	TOTAL	0	
BONUS	\$12.00 /HR	SHIFTBOSS	3	\$16.25	\$12.00	CAPS	\$2.14 EACH	-	-	DR REPAIR	\$0.15 /FT	
HRLY FRNG	20%	ENGINEER	1	\$15.00	\$0.00	MISC	\$5.00	-	-			
STAFF FRG	20%	MAST. MECH	1	\$16.25	\$8.00	FUEL COST	\$0.40 /LITRE					
RM+BD	\$25.00 /DAY	CHIEF ELEC	1	\$16.25	\$8.00	GAS COST	\$0.60 /LITRE					
MONTH	30 DAYS	MECHANIC	4	\$16.00	\$6.00	B & A	15.00%	HOSES	1.00%			
TONNAGE	1,500 TONNES/DAY	ELECT.	1	\$16.00	\$6.00	MARGIN	10.00%	INS/COMM	1.00%			
		SURVEYOR	1	\$14.00	\$0.00	STEEL & BITS COST/FT	\$0.40	FREIGHT	3.00%			
		SERVICES	4	\$15.00	\$6.00							
		STPE MINER	41	\$15.00	\$12.00							
		DEV MINER	2	\$15.00	\$12.00							
		ORE HAUL	6	\$15.00	\$8.00							
		TOTAL	68									

DIRECT LABOUR COSTS

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL									
SERVICES	\$15.00	40	16	64	\$960.00								
STPE MINER	\$15.00	40	16	64	\$960.00	\$137.14	\$48.00	\$185.14	\$37.03	\$25.00	\$247.17	4	\$988.69
DEV MINER	\$15.00	40	16	64	\$960.00	\$137.14	\$96.00	\$233.14	\$46.63	\$25.00	\$304.77	41	12,495.63
ORE HAUL	\$15.00	40	16	64	\$960.00	\$137.14	\$96.00	\$233.14	\$46.63	\$25.00	\$304.77	2	\$609.54
		40	16	64	\$960.00	\$137.14	\$64.00	\$201.14	\$40.23	\$25.00	\$266.37	6	\$1,598.23

DIRECT LABOUR COST= 15,692.09 /DAY @ 1,500 TONNE/DAY= \$10.46 /TONNE

33 15,692.09

SUPPORT LABOUR COST

DESCRIPTION	RATE PER HOUR	HOURS / WEEK			WAGE COST /WEEK	WAGE COST	DAILY BONUS COST	SUBTOTAL COST	FRINGES 20%	ROOM & BOARD	TOTAL PER MAN	# MEN REQ'D	TOTAL DAILY
		STRAIGHT	OVERTIME	TOTAL									
PROJ.SUPT	\$17.00	40	16	64	\$1,088.00	\$155.43	\$96.00	\$251.43	\$50.29	\$25.00	\$326.71	1	\$326.71
NITE CAPT.	\$16.50	40	16	64	\$1,056.00	\$150.86	\$96.00	\$246.86	\$49.37	\$25.00	\$321.23	1	\$321.23
CLERK/F.A.	\$10.00	40	16	64	\$640.00	\$91.43	\$0.00	\$91.43	\$18.29	\$25.00	\$134.71	1	\$134.71
SHIFTBOSS	\$16.25	40	16	64	\$1,040.00	\$148.57	\$96.00	\$244.57	\$48.91	\$25.00	\$318.49	3	\$955.46
ENGINEER	\$15.00	40	16	64	\$960.00	\$137.14	\$0.00	\$137.14	\$27.43	\$25.00	\$189.57	1	\$189.57
MAST. MECH	\$16.25	40	16	64	\$1,040.00	\$148.57	\$64.00	\$212.57	\$42.51	\$25.00	\$280.09	1	\$280.09
CHIEF ELEC	\$16.25	40	16	64	\$1,040.00	\$148.57	\$64.00	\$212.57	\$42.51	\$25.00	\$280.09	1	\$280.09
MECHANIC	\$16.00	40	16	64	\$1,024.00	\$146.29	\$48.00	\$194.29	\$38.86	\$25.00	\$258.14	4	\$1,032.57
ELECT.	\$16.00	40	16	64	\$1,024.00	\$146.29	\$48.00	\$194.29	\$38.86	\$25.00	\$258.14	1	\$258.14
SURVEYOR	\$14.00	40	16	64	\$896.00	\$128.00	\$0.00	\$128.00	\$25.60	\$25.00	\$178.60	1	\$178.60

SUPPORT LABOUR COST = \$3,957.17 /DAY @ 1,500 TONNE/DAY= \$2.64 /TONNE

15 \$3,957.17

CURRAGH - FARO DEPOSIT

MINING

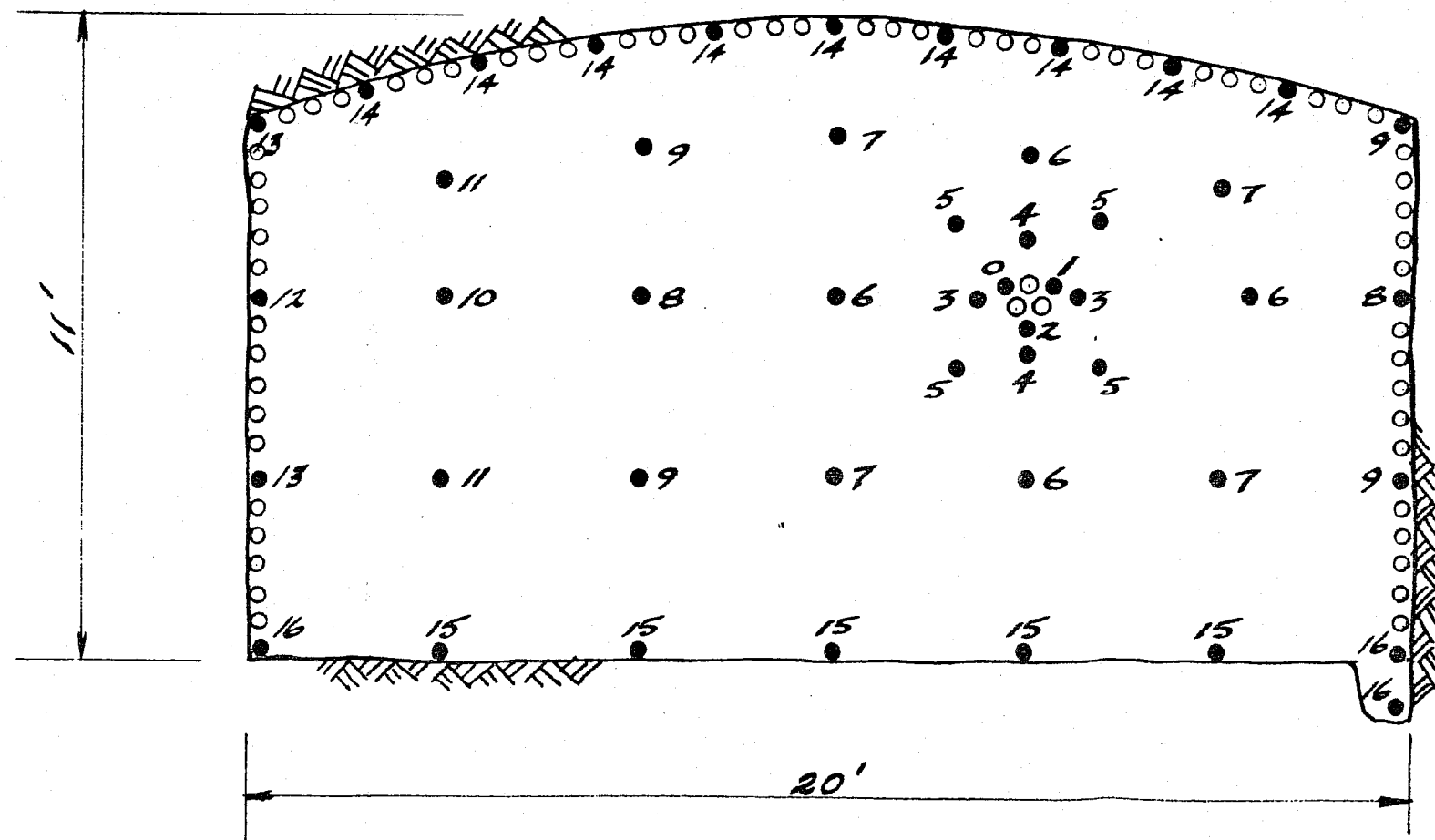
1,500 TONNES / DAY

BID SUMMARY SHEET


<u>CATEGORY</u>	<u>TOTAL COST / TONNE</u>	<u>DEVELOPMENT * COST / FT</u>
DIRECT LABOUR	\$10.46	-
SUPPORT LABOUR	\$2.64	-
STEEL & BITS	\$1.23	\$24.98
EXPLOSIVES & ACCESSORIES	\$3.08	\$53.17
EQUIPMENT RENTAL	\$2.71	-
EQUIPMENT REPAIR	\$1.84	-
FUEL & LUBE	\$0.97	-
PIPE & ACCESSORIES	\$0.10	\$16.61
VENTILATION & ACCESSORIES	\$0.24	\$11.39
ELECTRIC CABLE	\$0.10	\$16.25
GROUND SUPPORT MATERIAL	\$0.24	-
* 15.04 FT OF DEV @ \$122.40 /FT/ 1,500	\$1.23	-
HOSES, SMALL TOOLS	\$0.23	-
INSURANCE, COMMUNICATION	\$0.23	-
FREIGHT DURING CONTRACT	\$0.70	-
ELECTRIC POWER	-	-
SUBTOTAL	\$26.00	\$122.40 /FT
G & A 15.0%	\$3.90	
TOTAL COST	\$29.90	
MARGIN 10.0%	\$2.60	
PRICE	\$32.50 /TONNE	

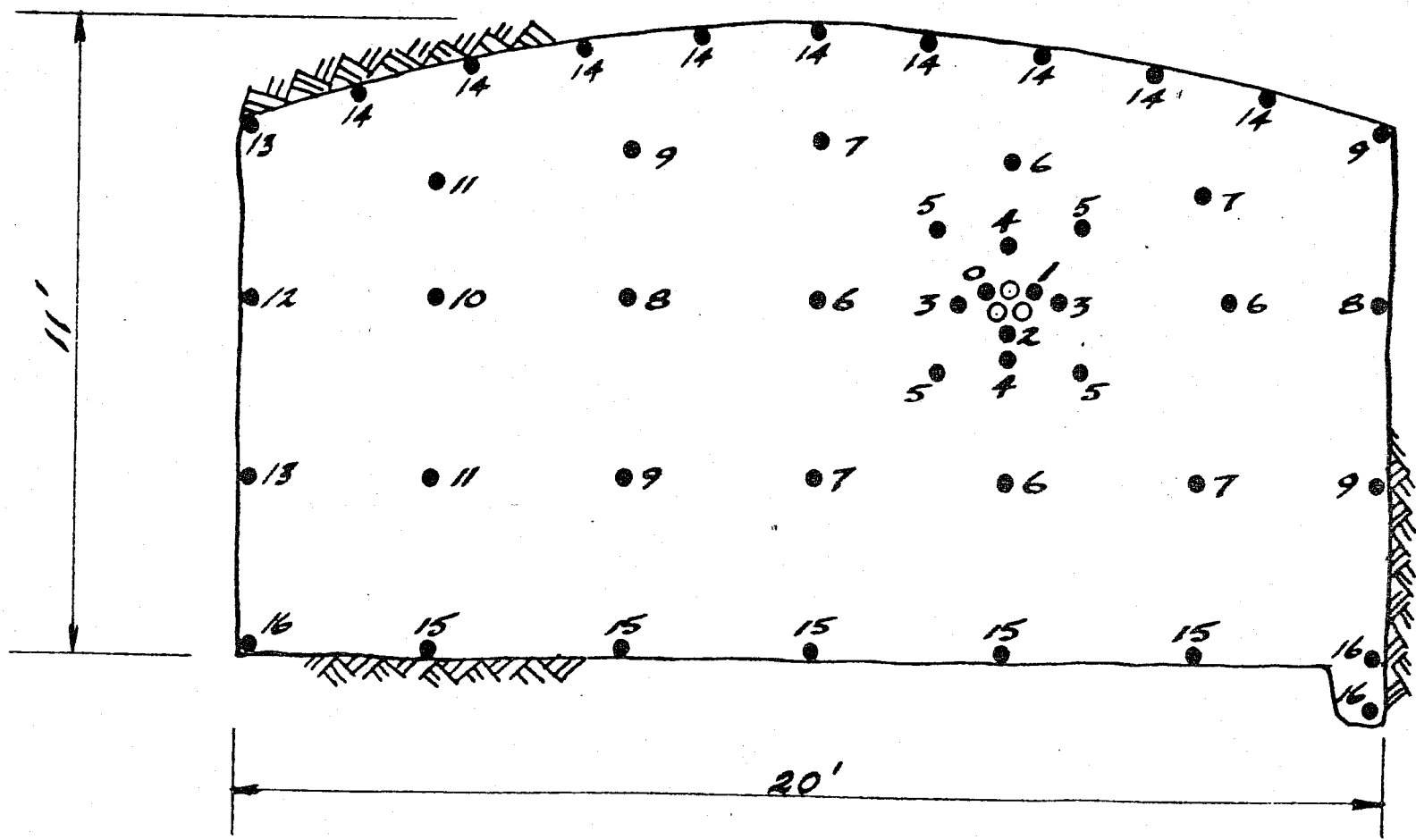
* NOTE : Development req'd

From plans -require 1,500 ft of level development and 500 ft of muckbay
 Total tonnes mined by slusher = 200,000
 Duration = 200,000 / 1,500 tonnes/day = 133 days
 Development/Day = 2,000 ft/ 133 days = 15.04 ft/day



CAP No.	AMOUNT
0	1
1	1
2	1
3	2
4	2
5	4
6	4
7	4
8	2
9	4
10	1
11	2
12	1
13	2
14	9
15	5
16	3
TOTAL	48
DRILL	111
BLAST	48

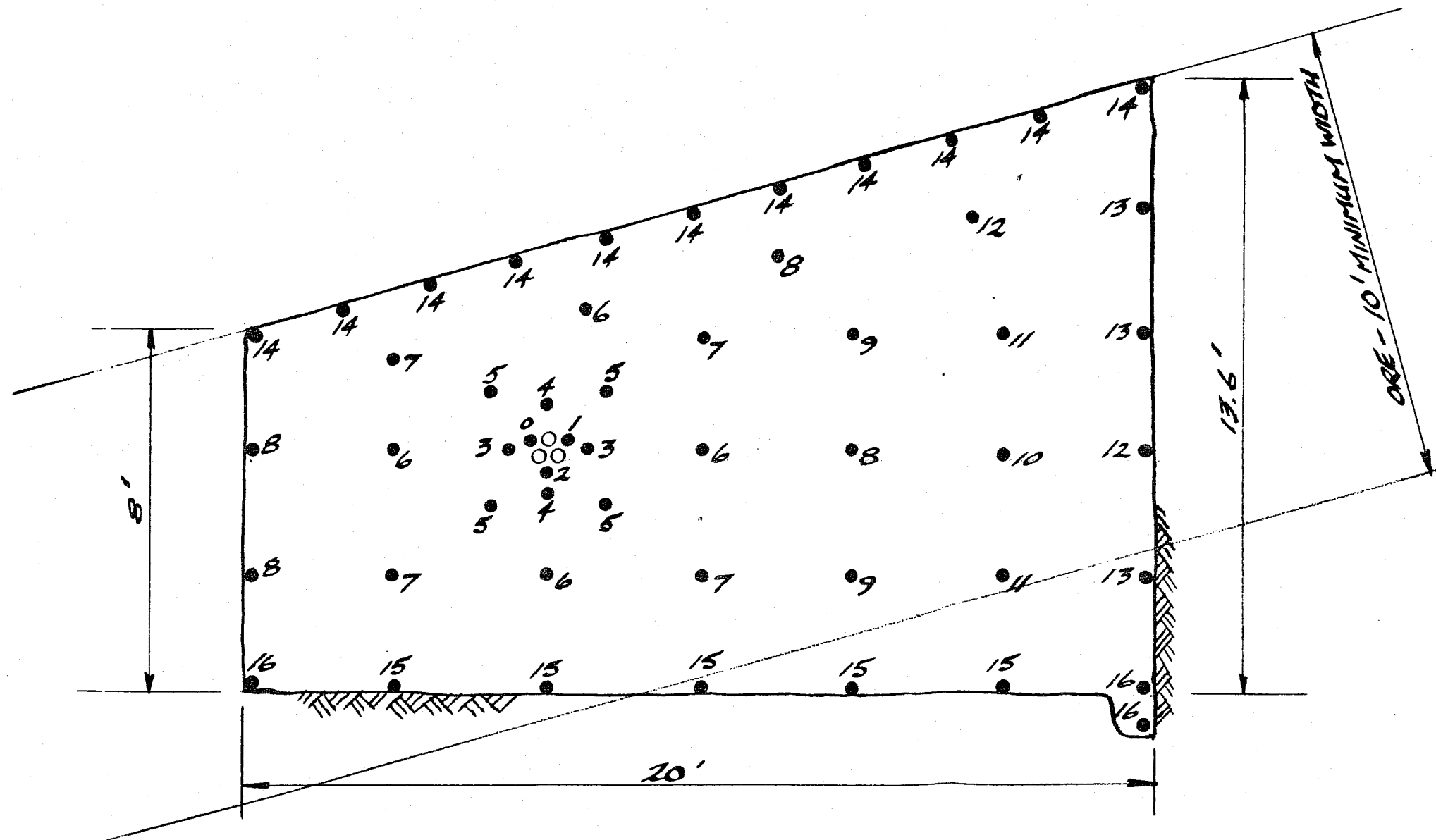
SCALE: 1"=3'	DATE		CURRAGH RESOURCES CORP	CANADIAN MINE DEVELOPMENT
DESIGNED: TJ			FARO DEPOSIT	BRAMPTON, ONT. CANADA
DRAWN: WS	JULY 87		11' X 20' COLLAR	DWG. No. 87-30-004
CHECKED:			DRILL & BLAST PATTERN	REV.
APPROVED:				



CAP No.	AMOUNT
0	1
1	1
2	1
3	2
4	2
5	4
6	4
7	4
8	2
9	4
10	1
11	2
12	1
13	2
14	9
15	5
16	3
TOTAL	48
DRILL	51
BLAST	48

SCALE: 1"=3'	DATE		CURRAGH RESOURCES CORP FARO DEPOSIT 11' X 20' RAMP DRILL & BLAST PATTERN	CANADIAN MINE DEVELOPMENT		
DESIGNED: TJ				BRAMPTON, ONT.	CANADA	
DRAWN: WS	JULY 87			DWG. No.	REV.	
CHECKED:				87-30-005		
APPROVED:						

3/1 Transdex



CAP No.	AMOUNT
0	1
1	1
2	1
3	2
4	2
5	4
6	4
7	4
8	4
9	2
10	1
11	2
12	2
13	3
14	11
15	5
16	3
TOTAL	52
DRILL	55
BLAST	52

SCALE: 1" = 3'	DATE
DESIGNED: TJ	
DRAWN: WS	2 JULY 87
CHECKED:	
APPROVED:	



CURRAGH RESOURCES CORP
 FARO DEPOSIT
 RAMP IN ORE
 DRILL & BLAST PATTERN

CANADIAN MINE DEVELOPMENT	
BRAMPTON, ONT.	CANADA
DWG. No.	REV.
87-30-006	

ACCESS
RAMP

-15%

3550

HAULAGE

3500

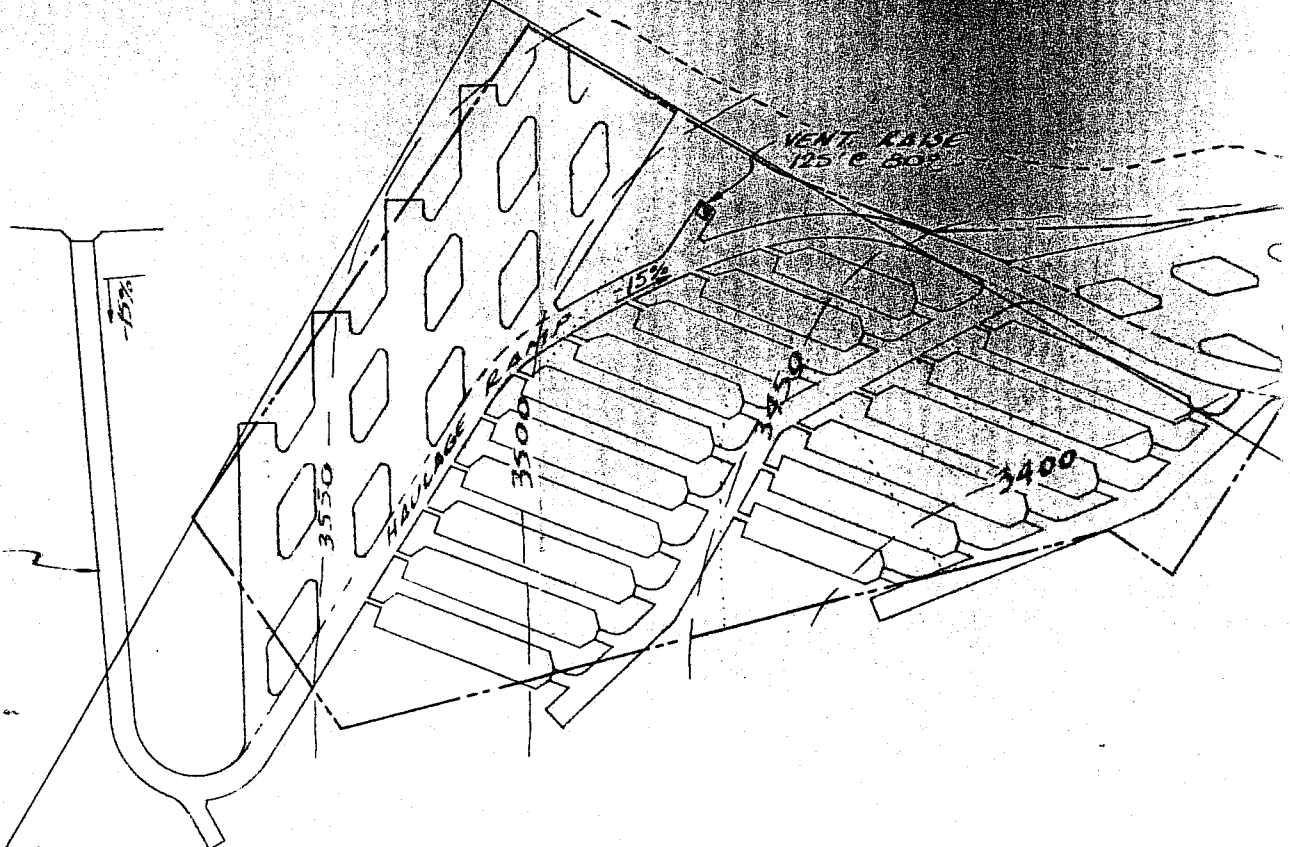
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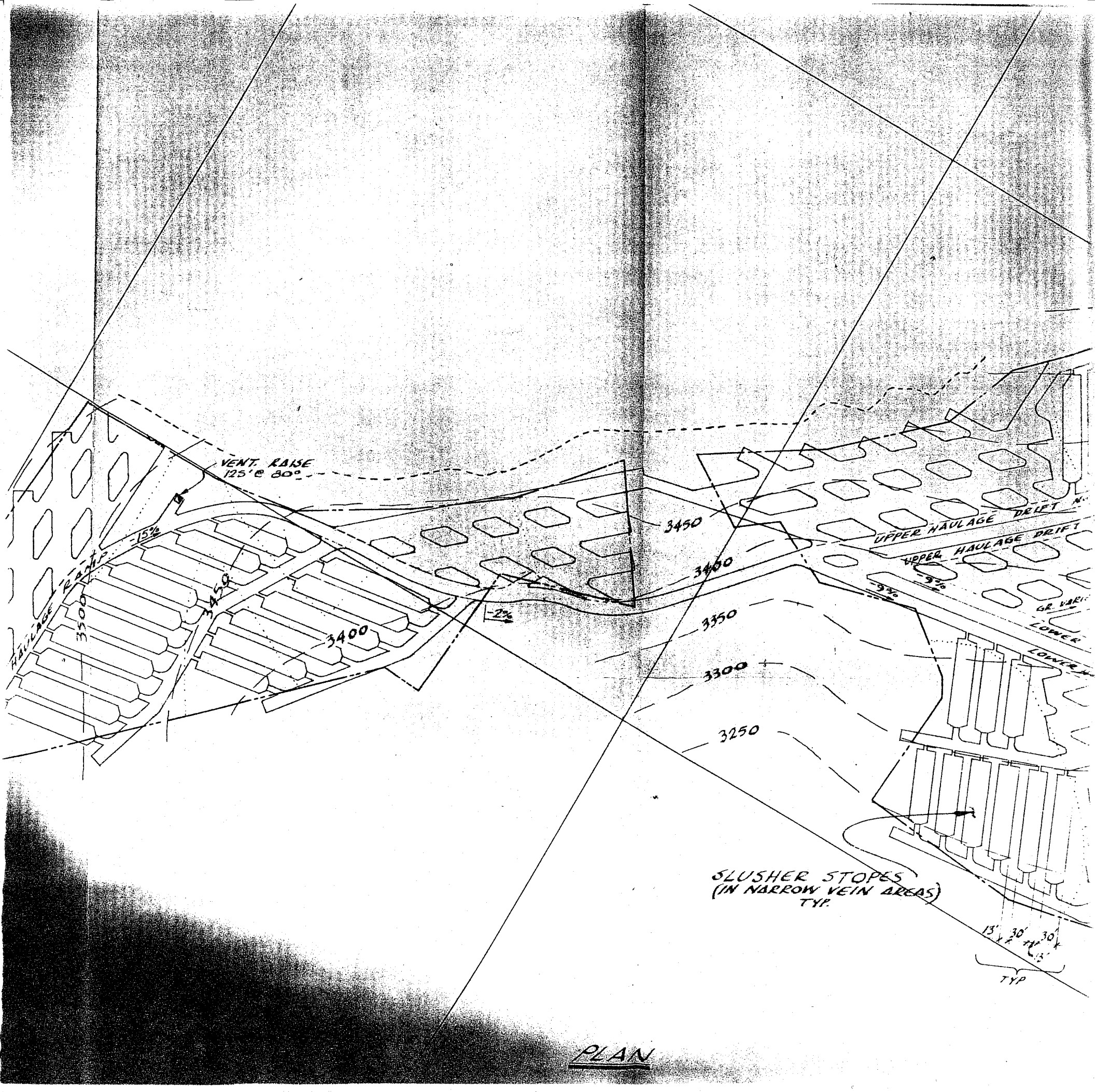
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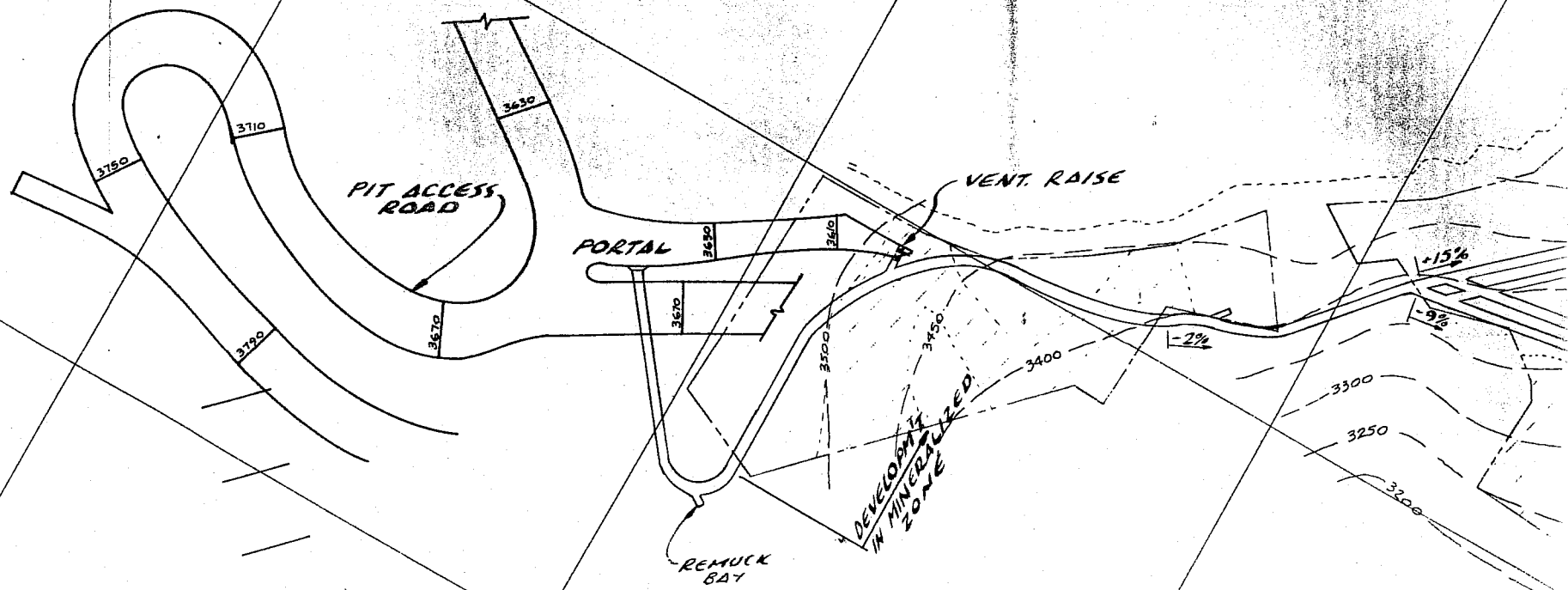
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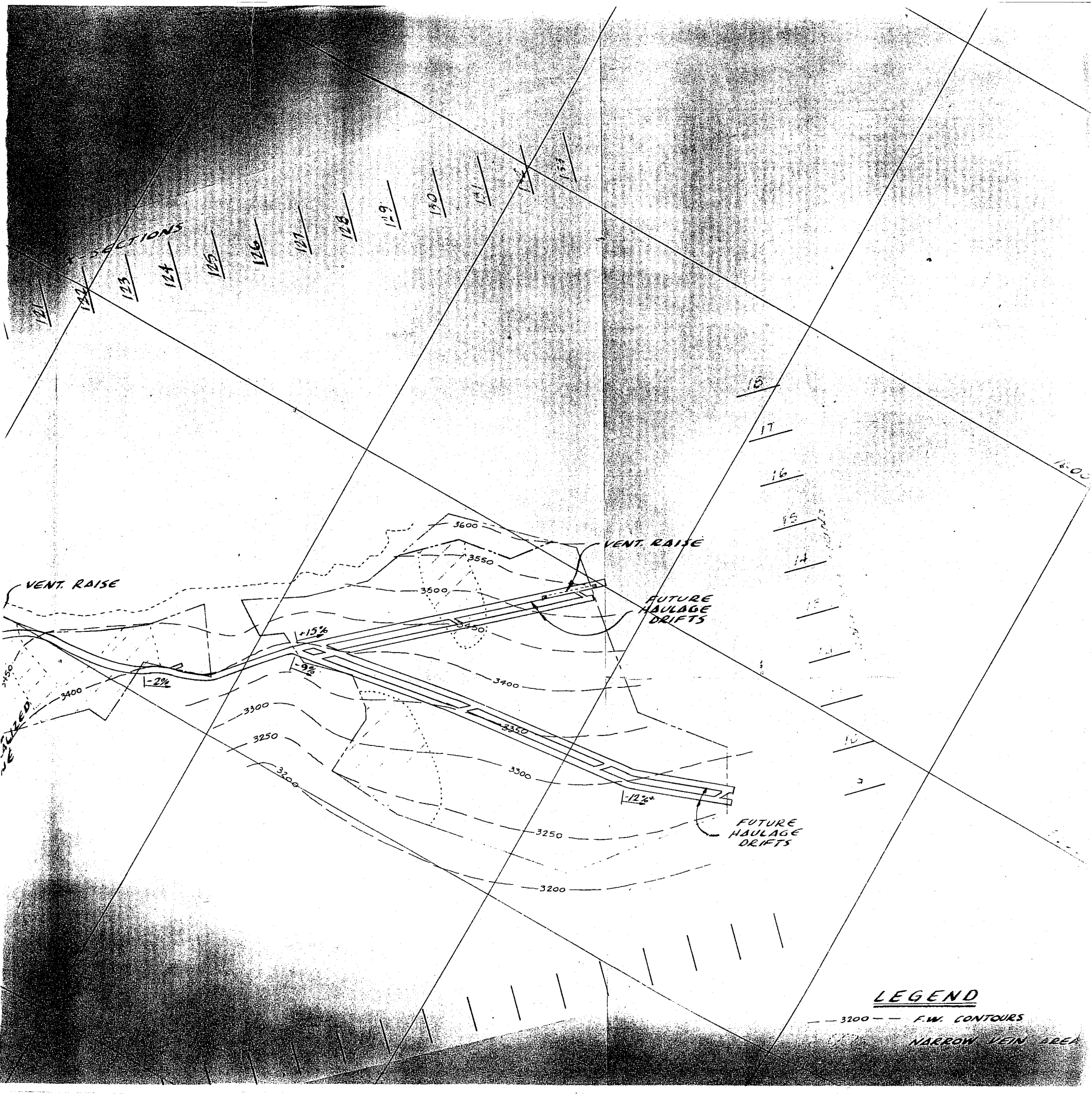
VENT. BASE

105' C. 50'







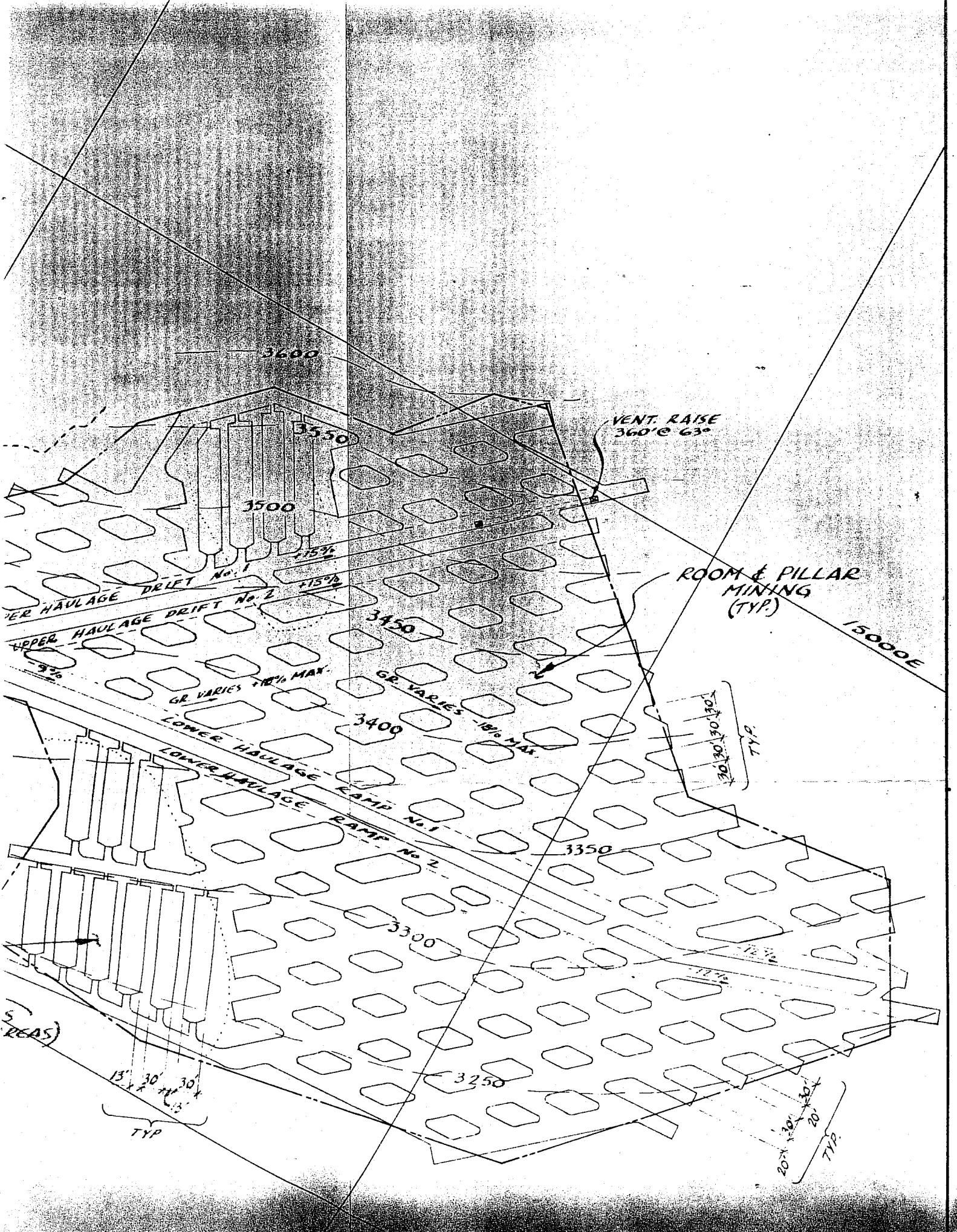


DATE: 21-Jul 1987 COST SCHEDULE

CURRAGH RESOURCES INC.
FARO DEPOSIT
EXPLORATION PHASE

FARO

DESCRIPTION	LENGTH (VOLUME)	DAYS REQUIRED	SUPPORT LABOUR	DIRECT LABOUR	EQUIPMENT RENTAL	EQUIPMENT REPAIR	FUEL/LUBE	EXPLOSIVES & ACC.	DRILL STEEL & BITS	VENT. & ACC.	PIPE & ACC.	ELECT. CABLE	FARES DURING CONTRACT	FREIGHT DURING MOB/DEMOb	MATERIAL PURCHASE	INS & COMM 1.0%	FREIGHT / CONTRACT 3.0%	SMALL TOOLS & HOSES 1.0%	Mob. 6.5%		6.5%		
																			SUBTOTAL	G & A 15.0%	TOTAL COST	MARGIN 10.0%	SUBTOTAL
1) MOBILIZATION	1 L.S.	-	\$0	\$5,595	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$112,200	\$74,000	\$0	\$0	\$0	\$0	\$191,795	\$12,467	\$204,262	\$12,467	\$216,728
2) SETUP CONTRACTOR'S FACILITIES	1 L.S.	-	\$15,523	\$25,681	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,918	\$0	\$0	\$0	\$92,122	\$5,988	\$98,109	\$5,988	\$104,097
3) SUPPLY 40 x 100 ATCO FOLDAWAY	1 L.S.	-	\$0	\$0	\$3,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,500	\$40,000	\$0	\$0	\$0	\$65,500	\$4,258	\$69,758	\$4,258	\$74,015
4) PREPURCHASE SUPPLIES FOR FIRST 1,000 FT OF EXCAVATION	1,000 ft	-	\$0	\$0	\$0	\$35,996	\$0	\$52,568	\$23,949	\$11,390	\$16,610	\$16,250	\$0	\$0	\$0	\$1,568	\$4,703	\$1,568	\$164,601	\$24,690	\$189,292	\$16,460	\$205,752
5) COLLAR TO 30 FEET	30 ft	-	\$0	\$3,407	\$7,219	\$2,664	\$1,373	\$1,745	\$1,463	\$342	\$498	\$488	\$0	\$0	\$0	\$192	\$576	\$192	\$20,158	\$3,024	\$23,182	\$2,016	\$25,198
6) ACCESS RAMP IN WASTE (0 - 1,000 FT RATE)	573 ft	-	\$40,156	\$41,915	\$36,924	\$0	\$10,452	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,294	\$3,883	\$1,294	\$135,919	\$20,388	\$156,307	\$13,592	\$169,898
7) DRIVE RAMP IN ORE (0 - 1,000 FT RATE)	427 ft	-	\$29,924	\$31,235	\$27,516	\$0	\$7,788	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$965	\$2,894	\$965	\$101,287	\$15,193	\$116,480	\$10,129	\$126,608
DRIVE RAMP IN ORE (BEYOND 1,000 FT)	1,084 ft	-	\$75,967	\$79,295	\$69,853	\$39,393	\$19,772	\$57,636	\$27,078	\$12,347	\$18,005	\$17,615	\$0	\$0	\$0	\$4,170	\$12,509	\$4,170	\$437,809	\$65,671	\$503,480	\$43,781	\$547,261
8) DRIVE LOWER HAULAGE DRIFT - SINGLE HEADING	620 ft	-	\$43,450	\$45,353	\$39,953	\$22,531	\$11,309	\$32,965	\$15,488	\$7,062	\$10,298	\$10,075	\$0	\$0	\$0	\$2,385	\$7,154	\$2,385	\$250,407	\$37,561	\$287,968	\$25,041	\$313,009
DRIVE LOWER HAULAGE DRIFT - MULTIPLE HEADING	2,300 ft	-	\$120,888	\$126,178	\$111,159	\$84,157	\$44,712	\$122,291	\$57,454	\$26,197	\$38,203	\$37,375	\$0	\$0	\$0	\$7,686	\$23,058	\$7,686	\$807,045	\$121,057	\$928,101	\$80,704	\$1,008,806
9) DRIVE UPPER HAULAGE DRIFT - SINGLE HEADING	50 ft	-	\$3,504	\$3,658	\$3,222	\$1,817	\$912	\$2,659	\$1,249	\$570	\$831	\$813	\$0	\$0	\$0	\$192	\$577	\$192	\$20,194	\$3,029	\$23,223	\$2,019	\$25,243
DRIVE UPPER HAULAGE DRIFT - MULTIPLE HEADING	1,760 ft	-	\$92,506	\$96,554	\$85,061	\$64,398	\$34,214	\$93,579	\$43,965	\$20,046	\$29,234	\$28,600	\$0	\$0	\$0	\$5,882	\$17,645	\$5,882	\$617,565	\$92,635	\$710,199	\$61,756	\$771,956
10) EXCAVATE REMUCKS (VENT. DRIFTS)	120 ft	-	\$6,307	\$6,583	\$5,800	\$4,391	\$2,333	\$6,380	\$2,998	\$1,367	\$1,993	\$1,950	\$0	\$0	\$0	\$401	\$1,203	\$401	\$42,107	\$6,316	\$48,423	\$4,211	\$52,633
11) DRIVE VENT. RAISE, CRIBBED	125 ft	-	\$0	\$14,513	\$429	\$804	\$585	\$2,763	\$1,471	\$0	\$745	\$0	\$0	\$0	\$3,875	\$252	\$756	\$252	\$26,443	\$3,966	\$30,409	\$2,644	\$33,054
12) ALIMAK SETUP/TEARDOWN	1 L.S.	-	\$0	\$4,572	\$1,108	\$1,097	\$281	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$71	\$212	\$71	\$7,411	\$1,112	\$8,523	\$741	\$9,264
13) DRIVE VENT. RAISE, ALIMAK	360 ft	-	\$0	\$39,186	\$9,497	\$11,243	\$2,412	\$8,564	\$5,720	\$0	\$0	\$0	\$0	\$0	\$0	\$766	\$2,299	\$766	\$80,454	\$12,068	\$92,522	\$8,045	\$100,567
			\$428,225	\$523,722	\$400,740	\$268,490	\$136,144	\$381,151	\$180,834	\$79,320	\$116,417	\$113,165	\$112,200	\$96,500	\$94,793	\$25,823	\$77,469	\$25,823	\$3,060,815	\$429,422	\$3,490,237	\$293,852	\$3,784,089



3600

3550

3500

15%

15%

UPPER HAULAGE DRIFT No. 1

UPPER HAULAGE DRIFT No. 2

9%

GR VARIES 10% MAX

3450

3400

3350

3300

3250

VENT. RAISE
360' @ 63°

ROOM & PILLAR
MINING
(TYP.)

15000'

20' x 30' x 30'
TYP.

S
HEADS

13' x 30' x 30'
TYP.

20' x 30' x 30'
20'
TYP.

LOWER HAULAGE DRIFT

LOWER HAULAGE RAMP No. 1

LOWER HAULAGE RAMP No. 2

12 1/2%

15%