

MILLER ARGENT (SOUTH WALES) LIMITED
FOS V FRAM MATRIX OF RESULTS EXCAVATION SECTIONS H - M

ANALYSIS NO.	FILE NAME	SECTION GEOMETRY	WATER TABLE	FAILURE GEOMETRY	ANALYSIS TYPE	SOIL TIP		MG/MTL		O/R/DEN		ROCK LAYER 1		ROCK LAYER 2		ROCK LAYER 3		ROCK LAYER 4		ROCK LAYER 5		ROCK LAYER 6		ROCK LAYER 7		ROCK LAYER 8		PAVEMENT		F.O.S.
						C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	
1*	P4_26.4m	SECTION H - H'	28M HORIZONTAL	60° WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.25
2	P4_26.4m	SECTION H - H'	17' BACK FROM TOE OF EXCAVATION TO 28M	60° WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.25
3	P4_27.4m	SECTION H - H'	28M HORIZONTAL	60° WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.37
4	P4_27.4m	SECTION H - H'	17' BACK FROM TOE OF EXCAVATION TO 28M	60° WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	2.50
5	P4_25.4m	SECTION H - H'	28M HORIZONTAL	FULL FACE CIRCLE TANGENTIAL TO LOWER FOUR FEET SEAM PAVEMENT	BISHOP	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	2.70
6*	P4_25.4m	SECTION H - H'	17' BACK FROM TOE OF EXCAVATION TO 28M	FULL FACE CIRCLE TANGENTIAL TO LOWER FOUR FEET SEAM PAVEMENT	BISHOP	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.14
7	P4_23.4m	SECTION I - I'	28M HORIZONTAL	60° WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.25
8*	P4_23.4m	SECTION I - I'	17' BACK FROM TOE OF EXCAVATION TO 28M	60° WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.33
9	P4_24.4m	SECTION I - I'	28M HORIZONTAL	60° WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.55
10	P4_24.4m	SECTION I - I'	17' BACK FROM TOE OF EXCAVATION TO 28M	60° WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	2.80
11*	P4_17.4m	SECTION I - I'	28M HORIZONTAL	FULL FACE CIRCLE TANGENTIAL TO LOWER FOUR FEET SEAM PAVEMENT	BISHOP	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	3.18
12	P4_17.4m	SECTION I - I'	17' BACK FROM TOE OF EXCAVATION TO 28M	FULL FACE CIRCLE TANGENTIAL TO LOWER FOUR FEET SEAM PAVEMENT	BISHOP	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.17
13*	P4_29.4m	SECTION I - I'	28M HORIZONTAL	60° WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.32
14	P4_29.4m	SECTION I - I'	17' BACK FROM TOE OF EXCAVATION TO 28M	60° WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.25
15	P4_30.4m	SECTION I - I'	28M HORIZONTAL	60° WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.50
16	P4_30.4m	SECTION I - I'	17' BACK FROM TOE OF EXCAVATION TO 28M	60° WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	2.87
17*	P4_28.4m	SECTION I - I'	28M HORIZONTAL	FULL FACE CIRCLE TANGENTIAL TO LOWER FOUR FEET SEAM PAVEMENT	BISHOP	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	3.35
18	P4_28.4m	SECTION I - I'	17' BACK FROM TOE OF EXCAVATION TO 28M	FULL FACE CIRCLE TANGENTIAL TO LOWER FOUR FEET SEAM PAVEMENT	BISHOP	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.13
19*	P2_4.4m	SECTION K - K'	17' BACK FROM TOE OF EXCAVATION TO 28M	60° WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.33
20	P2_3.4m	SECTION K - K'	17' BACK FROM TOE OF EXCAVATION TO 28M	60° WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.38
21	P2_15.4m	SECTION K - K'	17' BACK FROM TOE OF EXCAVATION TO 28M	FULL FACE CIRCLE TANGENTIAL TO LOWER FOUR FEET SEAM PAVEMENT	BISHOP	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	3.18
22*	P2_10.4m	SECTION K - K'	17' BACK FROM TOE OF EXCAVATION TO 28M	CIRCLE WITHIN WASTE TIP TANGENTIAL TO ROCKHEAD	BISHOP	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.30
23	P2_5.4m	SECTION L - L'	17' BACK FROM TOE OF EXCAVATION TO 28M	60° WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.52
24	P2_11.4m	SECTION L - L'	17' BACK FROM TOE OF EXCAVATION TO 28M	60° WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.81
25	P2_12.4m	SECTION L - L'	17' BACK FROM TOE OF EXCAVATION TO 28M	MULTILINEAR WEDGE FROM TOP OF BATTER TO LOWER FOUR FEET SEAM PAVEMENT THEN ALONG PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	3.62
26*	P2_16.4m	SECTION L - L'	17' BACK FROM TOE OF EXCAVATION TO 28M	FULL FACE CIRCLE TANGENTIAL TO LOWER FOUR FEET SEAM PAVEMENT	BISHOP	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	1.77
27	P2_6.4m	SECTION M - M'	DRY	60° WEDGE FROM TOP OF BATTER TO SEAM BEHIND HENSDALEN BUILT UP THEN ALONG LOWER FOUR FEET PAVEMENT TO EXCAVATION FACE	SARMA	0	30	0	30	-	-	100	35	150	33	200	31	250	29	300	27	350	25	400	23	-	-	0	19	2.19

* PRINTOUT OF STABLE ANALYSIS INPUT AND RESULTS INCLUDED IN SECTION 6 OF ELECTRONIC RECORDS