

rID16: Comparison table regarding bunds within the Original Appeal Scheme and the Revised Appeal Scheme

The table below should be read in conjunction with Tables 2 of the Environmental Statement Addendum (CD15.01), which provides details as to the volumes associated with each of the bunds proposed as part of the schemes.

	Original Appeal Scheme			Amended Appeal Scheme			Summary of Changes	Changes Accommodated by
	Bund No.	Height (~m)	Length (~m)	Bund No.	Height (~m)	Length (~m)		
Initial Works	1	3m	186m	1	3m	186m	-	-
	2	3m	137m	2	3m	137m	-	-
	3	Variable height of 4-6m ¹	350m	3	3m	350m	Reduced in height from 4-6m, to 3m in height	The overburden material which will be no longer stored in Bund 3 will be placed on the internal 1in3 batter slopes within the plant site onto which topsoil will be placed. Land to be seeded and maintained.
	4	3m	78m	4	3m	78m	-	-
	5	6m	88m	-	-	-	Not required during this phase – now introduced in phase 4	This bund was proposed for overburden storage. This material will now be placed for long term temporary restoration around the internal batter slopes of the plant site. Topsoiled, seeded and maintained.
	6	0.3m	N/A ²	-	-	-	Removed from amended scheme	This placement area was required for topsoil. These soils are to be placed on the internal Plant Site batter slopes, seeded and maintained as long term temporary restoration.

¹ The section of bund 3 running south to north alongside the central track gradually rises from 4m high in the south to 4.5m high in the north, where it then widens as it turns to continue eastwards, increasing at this corner point to 6m in height for the remainder. The eastern extent gradually reduces to meet with Bund 4 which is 3m in height. The interchanges between each bund / height change being gradual to avoid any engineered profiles and to provide a sinuous landform.

² As opposed to being constructed in the typical form of a bund, this 'bund' involves the spreading of 30cm of topsoil across the existing topsoil profile of Phase 4. The total volume to be spread is ~5,100m³ which would cover an area of ~17,000m². These soils would become part of the soil profile of Phase 4.

Phase	Original Appeal Scheme			Amended Appeal Scheme			Summary of Changes	Changes Accommodated by
	Bund No.	Height (~m)	Length (~m)	Bund No.	Height (~m)	Length (~m)		
	TOTAL		839m	TOTAL		751m	Reduction of 88m	
1	1-6		839m	1-4*		751m	Detailed within Initial Works	
	7	6m	189m	7	4m	189m	Reduced from 6m to 4m in height	The reduction in the volume of soils materials required to create this temporary bund will be achieved by the progressive stripping and restoration of Phase 1, leaving additional soils in place until direct placement of materials is proposed. Changes in the distribution of overburden and subsoils between Bund 7 and 8 has enabled this.
	8	5m	385m	8	5m	385m	-	-
	9	3m	100m	9	3m	100m	-	-
	10	3m	34m	10	3m	34m	-	-
	11	3m	103m	-	-	-	Removed from amended scheme	The reason for this is the revised scheme's proposal for progressive soil stripping to allow direct placement of this material for restoration.
	TOTAL		1650m	TOTAL		1459m	Reduction of 191m	
2	1-6		839m	1-4*		751m	Defined within Initial Works	
	8	5m	296m	8	5m	296m	-	-
	9	3m	100m	9	3m	100m	-	-
	10	3m	34m	10	3m	34m	-	-

Phase	Original Appeal Scheme			Amended Appeal Scheme			Summary of Changes	Changes Accommodated by
	Bund No.	Height (~m)	Length (~m)	Bund No.	Height (~m)	Length (~m)		
	12	3m	273m	12	3m	273m	-	-
	TOTAL		1542m	TOTAL		1454m	Reduction of 88m	
3	1-6		839m	1-4*		751m	Defined within Initial Works	
	8	5m	211m	8	5m	211m	-	-
	9	3m	100m	9	3m	100m	-	-
	10	3m	34m	10	3m	34m	-	-
	13	4m	126m	13	3m	126m	Reduced from 4m to 3m in height	The reduction in the volume of soils materials required to create this temporary bund will be achieved by the progressive stripping and restoration of Phase 3, leaving additional soils in place until direct placement of materials is proposed.
	14	4m	86m	14	3m	86m	Reduced from 4m to 3m in height	
	15	3m	228m	15	3m	228m	-	-
	16	4m	144m	16	3m	144m	Reduced from 4m to 3m in height	The reduction in the volume of soils materials required to create this temporary bund will be achieved by the progressive stripping and restoration of Phase 3, leaving additional soils in place until direct placement of materials is proposed.
TOTAL		1768m	TOTAL		1680m	Reduction of 88m		

Phase	Original Appeal Scheme			Amended Appeal Scheme			Summary of Changes	Changes Accommodated by
	Bund No.	Height (~m)	Length (~m)	Bund No.	Height (~m)	Length (~m)		

4	1-5		839m	1-4*		751m		
	-	-	-	5	6m	88m	Bund 5 is introduced in Phase 4 within the Plant Site. Required for only 5.5 years as opposed to 10 years	The bund is formed of the overburden released from the plant site internal batter slope to allow access into Phase 4 working area.
	17	3m	546m	17	3m	546m	-	-
	18	4-5m	190m	-	-	-	Removed from amended scheme	No longer required for noise attenuation, the former subsoil storage volumes can be stripped and directly placed for progressive restoration within Phase 4.
	19	4m	117m	19	3m	128m	Reduced from 4m to 3m in height. Increase in length as Bund 18 has been removed, a slope is required to the eastern end of Bund 19.	Minor variations proposed to bund footprint representing the interchange between Bund 19 and the former Bund 18 (now removed) to allow for storage of soils at 3m in height.
	20	6m	66m	20	6m	66m	-	-
	TOTAL			1758m	TOTAL			1579m



5	-	-	-	5	6m	88m	Detailed in Initial Works	
	17	3m	546m	17	3m	546m	-	-
	18	4-5m	190m	-	-	-	Removed from amended scheme	Now that this bund is no longer required for noise attenuation, the former subsoil storage volumes can be stripped and directly placed for progressive restoration within Phase 4.
	19	4m	117m	19	3m	128m	Reduced from 4m to 3m in height. Increase in length as Bund 18 has been removed, a slope is required to the eastern end of Bund 19.	Minor variations proposed to bund footprint representing the interchange between Bund 19 and the former Bund 18 (now removed) to allow for storage of soils at 3m in height.
	20	6m	66m	20	6m	66m	-	Note. This bund is proposed to be formed on to the base of extraction of Phase 4.
	TOTAL		1758m	TOTAL		1579m	Reduction in 179m	
Final Works	At this phase the Plant Site is being decommissioned and all final restoration undertaken. Bunds 1 – 6 around the Plant Site are being utilised in restoration at this stage							

*Bunds 1-4 remain in-situ throughout the entire duration of the operational life of the quarry for both the Original Appeal Scheme and the Revised Appeal Scheme.

