

Table 1. Summary of MSE Tipwalls – Reinforced Earth® systems only

Date	Name	Location	Description	Max Height m	Type of cladding	Client
1976	CDM - 50G	Namibia	Headwall	20	Concrete	De Beers
1976	Grootegeluk	Ellisras NP	Wingwalls	20	Concrete	Iscor
1976	CDM No 3	Namibia	Headwall	13	Concrete	De Beers
1976	Silicon Smelters	Pietersburg NP	2 Tier Headwall	16,5	Concrete	Silicon Smelters
1977	Beestekraal I	NW Province	Headwall	8,3	Concrete	PPC
1977	Koingnaas	NW Cape	8 Tiered Wingwalls		Concrete	De Beers
1978	Kimberley I	Kimberley NW	Wingwalls	6	Steel	De Beers
1978	Jwaneng I	Botswana	Headwall	6,7	Steel	De Beers
1979	Tweepad	NW Cape	Wingwalls	2Tier 41	Concrete	De Beers
1979	Machadadorp	E Transvaal	Headwall	6	Concrete	S A R
1979	Beestekraal II	BeestekraalMine	Raise Headwall	3	Concrete	PPC
1979	Jwaneng II	Botswana	Headwall	8	Steel	De Beers
1979	Kimberley II	NW Cape	Headwall	7	Steel	De Beers
1979	Marquard	Free State	Headwall	6	Steel	RG Nuttall
1980	Aggenuys	NW Cape	Headwall	13	Concrete	Goldfields
1982	Rooikraal	Gauteng	Headwall	13	Steel	D& H
1982	Silicon Smelt II	N Province	Headwall	6	Concrete	Silicon Smelters
1983	Fairview	Mpumalanga	Headwall	6	Concrete	Gencor
1985	NCD	Kwa-Zulu Natal	Wingwall	6	Steel	N C D
1986	Wastetech	Gauteng	2 Tier Headwall	8	Steel	Wastetech
1986	Tweepad II	NW Cape	Wingwalls	2 Tier 41	Concrete	De Beers
1987	Wolwekrans	Mpumalanga	Headwall	7,5	Concrete	Rand Mines
1987	Koffiefontein	NW Cape	Headwall	7	Steel	De Beers
1987	Grootegeluk II	N Province	Wingwalls	2 Tier 25	Concrete	Iscor
1989	Auchas	Namibia	Headwall	6	Concrete	De Beers
1989	Samadi Mine	NW Province	Headwall	13,5	Concrete	Samadi Mine
1989	Premier Mine	Gauteng	Headwall	12	Concrete	De Beers
1990	SavmoreColliery	Kwa-Zulu Natal	Headwall	8,3	Concrete	Genmin
1990	Weltevreden	NW Province	Headwall	10,5	Concrete	Genmin
1991	Dull Coal	N Province	Wingwalls	24	Concrete	Iscor
1991	Lone Rock	Mpumalanga	Headwall	6	Weldmesh	Lone Rock
1991	Auchas II	Namibia	Headwall	14	Concrete	De Beers
1991	Sasol 1 Tip	Free State	Headwall	5	Concrete	Sasol
1991	Kromdraai	Mpumalanga	Wingwalls	15 of 25	Concrete	AAC
1992	Luzamba	Angola	Headwall	11,4	Weldmesh	Endiama
1993	Sigma	Free State	Headwall	6,8	Concrete	Sasol
1994	Duvha	Mpumalanga	Wingwalls	13	Concrete	Eskom
1995	Sadiola Mine	Mali	Wingwalls	16	Weldmesh	AAC
1996	Catoca	Angola	Headwall	10,5	Concrete	Endiama
1997	Siguiri Mine I	Guinea	Headwall	13	Concrete	Ashanti
1998	Orapa	Botswana	Wingwalls	16; 10 Sur	Concrete	De Beers
1998	Namakwa Sands	SW Cape	Headwall	10	Concrete	Namakwa Sands
1998	Lethlekhane	Botswana	Wingwalls	2 Tier 20	Concrete	De Beers
1998	Congo	DR Congo	Headwall	12	Steel	Miba Mine
1998	Siguiri Mine II	Guinea	Headwall	14	Concrete	Ashanti
1998	Kroondal	NW Province	Headwall	13,5	Concrete	Kroondal
1998	Bulyanhulu	Tanzania	Headwall	11,7	Weldmesh	Placer Dome
1998	Samancor	Gauteng	Headwall	9	Concrete	Samancor

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1999	Cru-Klipfontein	Mpumalanga	Wingwalls	30	TerraTrel / TerraClass	Ingwe Coal SA
	Time Mining	Northern Cape	Tip Wall	6	TerraTrel	Kalahari Goldridge
	Namakwa Sands 2	Northern Cape	Headwall		TerraClass	Anglo American
	Baken Mine	Northern Cape	Tip Wall	8	TerraMet	Transhex Operations (Pty)Ltd
	Yatela Gold	Mali	Tip Wall	13	TerraClass	Anglo Gold Ashanti
	Miba 2	D R C	Tip Wall	8	TerraMet	Societe Miniere de Bakwanga, Miba
2000	Ridgeview Quarry	KwaZulu Natal	Tip Wall	6,5	TerraClass	Lafarge Mining SA
	Tweepad Repair	Northern Cape	Tiered walls		TerraClass	De Beers
	Greenside Colliery	Mpumalanga	Tip Wall	6	TerraMet	Amcoal
	Douglas Colliery	Mpumalanga	Wingwalls	24	TerraTrel	Ingwe Coal
	Tati	Botswana	Tip Wall	13	TerraMet	Tati Nickel Mining Company
	Oryx 1	D R C	Tip Wall	12	TerraMet	Oryx Natural Resour.
	Oryx 2	D R C	Tip Wall		TerraMet	Oryx Natural Resources
	Jwaneng	Botswana	Wingwalls	16	TerraClass	Debswana Mining
	BK 9	Botswana	Tip Wall	13.1	TerraClass	Debswana Mining
	Tubatse Ferrochrome	Mpumalanga	4 Walls	4.3	TerraClass	Samancor Chrome
2002	Escom Mining	Angola	Tip Wall	11	TerraMet	Escom Mining
	Samancor 2	Gauteng	Tip Wall	9,5	TerraClass	Samancor
	Namakwa Sands 3	Northern Cape	Tip Wall	18	TerraClass	Anglo American
	Optimum Colliery	Mpumalanga	Tip Wall	19	TerraClass	BHP Billiton
	Karee	N West Province	Tip Wall	6	TerraClass	Lonmin Platinum
	Oxus Mine	Uzbekistan	Tip Wall	7,7	TerraMet	Maed Ltd UK
	Koidu Diamond Works	Sierra Leone	Tip Wall	9,8	TerraMet	Steinmetz Group
	Jwaneng Crusher 2	Botswana	Tip Wall	12,7	TerraClass	Debswana
2003	Optimum Colliery Wall 1 Extension	Mpumalanga	Tip wall ext		TerraClass	BHP Billiton
	Freeport Repair	Indonesia	Buttress Walls		TerraMet	Freeport McMoRan
	Elizabeth Bay	Namibia	Tipwalls	14	Freyssisol strip	Namdeb Diamond Corp
	MIBA NL 2	D R C	Tip Wall		TerraMet	Societe Miniere de Bakwanga, Miba
	Oryx 3	D R C	Headwall		TerraMet	Oryx Natural Resources
2004	Kroondal 2	NW Province	Headwall	8,9	TerraClass	Aquarius
	Vaalkrantz		Tip Wall	6	TerraMet	Leeuw Mining
	Venetia Mine Crusher	Limpopo Province	Wingwall	15	TerraTrel	De Beers Consolidated
	Kanshansi Copper	Zambia	Wingwall	17,5	TerraMet	First Quantum Minerals Ltd
	Isibonelo Colliery	Mpumalanga	Headwall	12	TerraClass	Anglo American Corp
	Leeupan	Mpumalanga			TerraClass	Kumba
	Everest South	Mpumalanga			TerraClass	Aquarius Platinum
	Lefa Corridor	Guinea	Tip Walls	15	TerraClass	Crew Gold Corp
2005	Andru Mining	Mpumalanga	Tip Wall	8.7	TerraClass	Andru Mining
	Baken 2	Northern Cape	Tip Wall	18	TerraMet	Trans Hex Operations
	Two Rivers	Mpumalanga	Tip Wall		TerraClass	Implats & Arm Plat
2006	Sishen	Northern Cape	Wingwalls	21	TerraTrel	Kumba
	Somkhele Coal	KwaZulu Natal		12,75	TerraClass	PETMIN
	Catoca Phase 1	Angola	Headwall	13,6	TerraClass	Endiama
	Nkomati	Mpumalanga		17,8	TerraClass	African Rainbow Min
	Frontier Project	D R C	Headwall	17	TerraMet	First Quantum Minerals
	Catoca Phase 2	Angola	Headwall	13	TerraClass	Endiama
	Excelsior	Free State	Tip Wall	11	TerraClass	Lion Resource Management
	Mafube Colliery	Mpumalanga	Tip Wall	16	TerraClass	Anglo Coal
	Tasiast	Mauritania	Tip Wall	13	TerraMet	Red Back Mining Corp

