APPENDIX 7-28

SOIL ERODIBILITY CALCULATIONS

EARTHFAX ENGINEERING, INC.
ENGINEERS / SCIENTISTS

PROJECT _____ PAGE _____ OF _____
COMPUTED _____ DATE _____
CHECKED _____ DATE _____

SOIL TYPES

SOIL	REL. %	INHERENT SOIL ERO.	WEIGHTED INH. SOIL ERODIBILITY
401	40% ADEL 40% Merino 20%	moderate (3) low to moderate (2) low (1)	moderate (2.2)
560	45% Clayburn 45% Greyback 10%	moderate (3) low to moderate (2) low (1)	moderate (2.35)
561	55% Clayburn 20% Fairm 15% Bekkum 10% Contrasting inclusion	moderate (3) moderate (3) moderate (3) moderate (3)	moderate (3)
711	50% Bundo 20% Luck Star 20% ADEL 10% contrasting inclusion	moderate (3) Low (1) moderate (3) 2.3	Moderate (2.53)

EARTHFAX LAND TYPE (FT^2)	SOIL TYPE (FT^2).
(#1) 472,000 FT^2	401 → 32,000 FT^2 711 → 440,000 FT^2 TOTAL = 472,000 FT^2
(#2) 901,000 FT^2	711 → 901,000 FT^2 TOTAL = 901,000 FT^2
(#3) 816,000 FT^2	711 → 316,000 FT^2 TOTAL = 316,000 FT^2
(#4) 6,129,000 FT^2	401 → 160,000 FT^2 711 → 5,933,000 FT^2 561 → 36,000 FT^2 TOTAL = 6,129,000 FT^2
(#5) 586,000 FT^2	711 → 586,000 FT^2 TOTAL = 586,000 FT^2
(#6) 592,000 FT^2	401 → 592,000 FT^2 TOTAL = 592,000 FT^2
(#7) 482,000 FT^2	561 → 480,000 FT^2 TOTAL = 480,000 FT^2
(#8) 4,110,000 FT^2	560 → 20,000 FT^2 401 → 3,810,000 FT^2 711 → 280,000 FT^2 TOTAL = 4,110,000 FT^2

EARTHFAX ENGINEERING, INC.
ENGINEERS / SCIENTISTS

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SOIL TYPE

EARTHFAX #	SOIL TYPE	WEIGHTED INH. SOIL ERODIBILITY	WEIGHTED AVERAGE FACTOR	WEIGHTED SOIL ERODIBILITY
#1	401	2.2	0.068	2.51
	711	2.53	0.932	
#2	711	2.53	1.00	2.53
#3	711	2.53	1.00	2.53
#4	401	2.2	0.026	
	561	3.0	0.006	2.52
	711	2.53	0.968	
#5	711	2.53	1.00	2.53
#6	401	2.2	1.00	2.2
#7	561	3.0	1.00	3.0
#8	401	2.2	0.926	2.22
	711	2.53	0.069	
	560	2.35	0.005	