ENERGY WEST MINING COMPANY HUNTINGTON, UTAH 84528	
CTWD/WIL/TRAIL MTN/DES-BEE-DOVE MINES WASTE ROCK STORAGE FACILITY 2001 VEGETATION MONITORING	
DRAWN BY: K. LARSEN	DRAWING #: KS1698D
SCALE: 1" = 100'	SHEET 1 OF 1
DATE: MARCH 26, 1997	REV. —

CAD FILE NAME/DISK#: CWMRSVEG

CONTOUR INTERVAL 5 FEET

N

I CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF UTAH AND DO ALSO CERTIFY THAT THIS DRAWING/PLAN IS ACCURATE IN DEPICTING THE RIGHT-OF-WAY AND PERMIT BOUNDARY TO THE BEST OF MY KNOWLEDGE AND BELIEF.

JOHN CHRISTENSEN NO. 165651 DATE 4/4/02

LICENSED PROFESSIONAL ENGINEER JOHN CHRISTENSEN No. 165651 STATE OF UTAH

NOTE:
THE CURRENT LIFT CONTOUR OF THE REFUSE PILE IS NOT REFLECTED ON THIS MAP.

NOTE:
BONDED AREA IS DISTURBED AREA

GROUND WATER MONITORING WELL

SEDIMENT POND BANK '90

TOPSOIL STOCKPILE '90

TOPSOIL STOCKPILE

BASELINE

SED. POND

RIP-RAP

DITCH 2A

REFUSE BERM

DISTURBED AREA BOUNDARY

FENCE

BB HOLD

SUBSOIL STOCKPILE

SUBSOIL STOCKPILE '90

DISTURBED AREA BOUNDARY

DITCH 2A

PERMIT BOUNDARY AREA & RIGHT-OF-WAY LINE

UTU-65027
WASTE ROCK
STORAGE SITE
25.85 ACRES

ROAD SLOPES '90

TOPSOIL STOCKPILE '90

PERMIT BOUNDARY AREA & RIGHT-OF-WAY LINE

ACCESS ROAD

12" ø CULVERT

TOPSOIL STOCKPILE '90

24" ø CULVERT

PERMIT BOUNDARY AREA & RIGHT-OF-WAY LINE

ROAD SLOPES '90

ROAD SLOPES '90

12" ø CULVERT

TOPSOIL STOCKPILE '90

ACCESS GATE

24" ø CULVERT

TOPSOIL STOCKPILE

ABANDONED GAS WELL

MATERIAL STORAGE
200'

OCCASIONAL USE AREA

PERMIT BOUNDARY AREA & RIGHT-OF-WAY LINE

N 351,500

N 352,000

E 2,110,000

E 2,109,500

E 2,109,000

PROPERTY BOUNDARY (U-37642)

U-37642
WASTE ROCK
STORAGE SITE
SOUTHERN PARCEL

E 1/4 CORNER
SECTION 34
E 2,110,130.928
N 352,642.212

STATE ROAD (57)

PINYON JUNIPER REFERENCE AREA

U-37642
WASTE ROCK
STORAGE SITE
NORTHERN PARCEL

LEGEND

- 1996 SEEDING/BERM 4 (FINAL)
- 1994 SEEDING/BERM 3 (FINAL)
- 1991 SEEDING/BERMS 1 & 2 (FINAL)
- 1990 SEEDING (INTERIM)

NOTE:
QUALITATIVE AND QUANTITATIVE DATA PROVIDED BY MT. NEBO SCIENTIFIC, INC.

Site Name: SEDIMENT POND BANKS '90	Quantitative			Cover					Quantitative			Composition			
Exposure: V	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock		Shrubs	Forbs	Grasses	Density	Productivity		
Year Date															
1999 AUG. 23-27	V	S	N	32.00	10.00	30.00	28.00		56.12	3.67	40.21	–	–		
2000 AUG. 28-SEPT. 2	V	S	N	NOT SAMPLED					NOT SAMPLED						
2001 AUG. 27-AUG. 31	V	S	N	NOT SAMPLED					NOT SAMPLED						

Site Name: SUBSOIL STOCKPILE '90	Quantitative			Cover					Quantitative			Composition			
Exposure: V	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock		Shrubs	Forbs	Grasses	Density	Productivity		
Year Date															
1999 AUG. 23-27	V	N	S-W	26.67	10.00	57.08	6.25		44.56	26.03	28.40	–	–		
2000 AUG. 28-SEPT. 2	V	N	S-W	NOT SAMPLED					NOT SAMPLED						
2001 AUG. 27-AUG. 31	V	N	S-W	NOT SAMPLED					NOT SAMPLED						

Site Name: TOPSOIL STOCKPILES '90	Quantitative			Cover					Quantitative			Composition			
Exposure: V	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock		Shrubs	Forbs	Grasses	Density	Productivity		
Year Date															
1999 AUG. 23-27	V	S	N	37.00	9.50	16.00	37.50		34.71	12.50	52.79	–	–		
2000 AUG. 28-SEPT. 2	V	S	N	NOT SAMPLED					NOT SAMPLED						
2001 AUG. 27-AUG. 31	V	S	N	NOT SAMPLED					NOT SAMPLED						

Site Name: ROAD SLOPES '90	Quantitative			Cover					Quantitative			Composition			
Exposure: V	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock		Shrubs	Forbs	Grasses	Density	Productivity		
Year Date															
1999 AUG. 23-27	V	S	N	37.67	11.33	13.00	38.00		24.23	18.07	57.71	–	–		
2000 AUG. 28-SEPT. 2	V	S	N	NOT SAMPLED					NOT SAMPLED						
2001 AUG. 27-AUG. 31	V	S	N	NOT SAMPLED					NOT SAMPLED						

Site Name: REFUSE BERM '96	Quantitative			Cover					Quantitative			Composition			
Exposure: S & E	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock		Shrubs	Forbs	Grasses	Density	Productivity		
Year Date															
1999 AUG. 23-27	28°	N	N	38.50	20.50	28.50	12.50		65.43	2.25	12.32	–	–		
2000 AUG. 28-SEPT. 2	28°	N	N	NOT SAMPLED					NOT SAMPLED						
2001 AUG. 27-AUG. 31	28°	N	N	NOT SAMPLED					NOT SAMPLED						

Site Name: REFUSE BERM '94	Quantitative			Cover					Quantitative			Composition			
Exposure: S	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock		Shrubs	Forbs	Grasses	Density	Productivity		
Year Date															
1999 AUG. 23-27	25°	M	M	29.00	10.00	38.50	22.50		59.36	1.43	39.21	–	–		
2000 AUG. 28-SEPT. 2	25°	M	M	NOT SAMPLED					NOT SAMPLED						
2001 AUG. 27-AUG. 31	25°	M	S	NOT SAMPLED					NOT SAMPLED						

Site Name: REFUSE BERM '91	Quantitative			Cover					Quantitative			Composition			
Exposure: S	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock		Shrubs	Forbs	Grasses	Density	Productivity		
Year Date															
1999 AUG. 23-27	28°	S	S-W	37.50	13.50	39.50	19.50		78.97	0.00	21.43	–	–		
2000 AUG. 28-SEPT. 2	28°	S	S-W	24.00	7.00	50.50	18.50		84.61	1.83	13.56	–	–		
2001 AUG. 27-AUG. 31	28°	S	S-W	NOT SAMPLED					NOT SAMPLED						