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 3/16/94

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

CONTOUR INTERVAL 5 FEET

CAD FILE NAME/DISK#: CWMRSVEC

ENERGY WEST MINING COMPANY HUNTINGTON, UTAH 84528	
CTWD/WIL/TRAIL MTN/DES-BEE-DOVE MINES WASTE ROCK STORAGE FACILITY 2002 VEGETATION MONITORING	
DRAWN BY: R. LARSEN	DRAWING #: KS1698D
SCALE: 1" = 100'	
DATE: MARCH 26, 1997	SHEET 1 OF 1 REV. —

N

LEGEND

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

UTU-6502?
WASTE ROCK STORAGE SITE
25.85 ACRES

SEDIMENT POND BANK '90
GROUND WATER MONITORING WELL
TOPSOIL STOCKPILE
TOPSOIL STOCKPILE '90
BASELINE
SED. POND
REFUSE BERM
DITCH DB
DITCH DA
FENCE
DISTURBED AREA BOUNDARY
SUBSOIL STOCKPILE
SUBSOIL STOCKPILE '90
PERMIT BOUNDARY AREA & RIGHT-OF-WAY LINE
ROAD SLOPES '90
TOPSOIL STOCKPILE '90
ACCESS ROAD
12" ø CULVERT
24" ø CULVERT
ROAD SLOPES '90
ACCESS GATE
ABANDONED GAS WELL
TOPSOIL STOCKPILE
OCCASIONAL USE AREA
MATERIAL STORAGE
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)
STATE ROAD (57)
PROPERTY BOUNDARY (U-37642)
E 1/4 CORNER SECTION 34
E 2,110,130.928
N 352,642.212

U-37642
WASTE ROCK STORAGE SITE
SOUTHERN PARCEL

U-37642
WASTE ROCK STORAGE SITE
NORTHERN PARCEL

PINYON JUNIPER REFERENCE AREA

RECEIVED
MAR 31 2004
DIV OF OIL, GAS & MINING

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

NOTE:

SEDIMENT POND BANKS '90

Year	Date	Exposure: V	Slope	Animal Use	Erosion	Cover: Rock	Bareground	Litter	Total Living	Cover: Forbs	Grasses	Shrubs	Density	Productivity
1999	AUG. 23-27	V	S	N	N	32.00	10.00	30.00	28.00	56.12	2.67	43.21	—	—
2000	AUG. 28-SEPT. 2	V	S	N	N	NOT SAMPLED								
2001	AUG. 27-AUG. 31	V	S	N	N	NOT SAMPLED								
2002	SEPT. 2-6	V	S	N	N	NOT SAMPLED								
2003	OCT. 13-18	V	S	N	N	NOT SAMPLED								

REFUSE BERM '96

Year	Date	Exposure: S & E	Slope	Animal Use	Erosion	Cover: Rock	Bareground	Litter	Total Living	Cover: Forbs	Grasses	Shrubs	Density	Productivity
1999	AUG. 23-27	26.67	10.00	57.08	6.25	44.56	26.03	29.39	—	—				
2000	AUG. 28-SEPT. 2	NOT SAMPLED												
2001	AUG. 27-AUG. 31	NOT SAMPLED												
2002	SEPT. 2-6	NOT SAMPLED												
2003	OCT. 13-18	V	N	S-W	N	NOT SAMPLED								

SUBSOIL STOCKPILE '90

Year	Date	Exposure: V	Slope	Animal Use	Erosion	Cover: Rock	Bareground	Litter	Total Living	Cover: Forbs	Grasses	Shrubs	Density	Productivity
1999	AUG. 23-27	V	N	S-W	N	26.67	10.00	57.08	6.25	44.56	26.03	29.39	—	—
2000	AUG. 28-SEPT. 2	V	S	W	N	NOT SAMPLED								
2001	AUG. 27-AUG. 31	V	S	W	N	NOT SAMPLED								
2002	SEPT. 2-6	V	N	W	N	NOT SAMPLED								
2003	OCT. 13-18	V	N	W	N	NOT SAMPLED								

TOPSOIL STOCKPILES '90

Year	Date	Exposure: V	Slope	Animal Use	Erosion	Cover: Rock	Bareground	Litter	Total Living	Cover: Forbs	Grasses	Shrubs	Density	Productivity
1999	AUG. 23-27	V	S	S	S	37.00	9.50	16.00	37.50	14.71	12.50	52.79	—	—
2000	AUG. 28-SEPT. 2	V	S	W	S	NOT SAMPLED								
2001	AUG. 27-AUG. 31	V	S	W	S	NOT SAMPLED								
2002	SEPT. 2-6	V	N	W	S	NOT SAMPLED								
2003	OCT. 13-18	V	N	W	S	NOT SAMPLED								

ROAD SLOPES '90

Year	Date	Exposure: V	Slope	Animal Use	Erosion	Cover: Rock	Bareground	Litter	Total Living	Cover: Forbs	Grasses	Shrubs	Density	Productivity
1999	AUG. 23-27	V	S	S	S	37.87	11.33	13.00	38.00	24.22	19.07	57.71	—	—
2000	AUG. 28-SEPT. 2	V	S	W	S	NOT SAMPLED								
2001	AUG. 27-AUG. 31	V	S	W	S	NOT SAMPLED								
2002	SEPT. 2-6	V	N	W	S	NOT SAMPLED								
2003	OCT. 13-18	V	N	W	S	NOT SAMPLED								

REFUSE BERM '94

Year	Date	Exposure: S	Slope	Animal Use	Erosion	Cover: Rock	Bareground	Litter	Total Living	Cover: Forbs	Grasses	Shrubs	Density	Productivity
1999	AUG. 23-27	37	S	W	S	29.00	10.00	36.50	22.50	69.36	1.43	29.21	—	—
2000	AUG. 28-SEPT. 2	37	S	W	S	28.50	8.50	43.50	19.50	56.88	0	43.14	—	—
2001	AUG. 27-AUG. 31	37	S	W	S	NOT SAMPLED								
2002	SEPT. 2-6	37	N	W	S	NOT SAMPLED								
2003	OCT. 13-18	37	N	N	S	NOT SAMPLED								

REFUSE BERM '91

Year	Date	Exposure: SI	Slope	Animal Use	Erosion	Cover: Rock	Bareground	Litter	Total Living	Cover: Forbs	Grasses	Shrubs	Density	Productivity
1999	AUG. 23-27	37	S	S	S	27.50	15.50	39.50	19.50	78.57	0.00	21.43	—	—
2000	AUG. 28-SEPT. 2	37	S	S-W	S	24.00	7.00	50.50	18.50	84.61	1.83	13.56	—	—
2001	AUG. 27-AUG. 31	37	S	S-W	S	NOT SAMPLED								
2002	SEPT. 2-6	37	S	S-W	S	NOT SAMPLED								
2003	OCT. 13-18	37	S	S-W	S	NOT SAMPLED								