Site Name: ROAD SLOPES '90	Qualitative			Quantitative								
Exposure: V				Cover				% Composition				
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	AUG. 23–27	V	S	S	37.67	11.33	13.00	38.00	24.22	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				
2002	SEPT. 2–6	V	N	N	NOT SAMPLED				NOT SAMPLED				
2003	OCT. 13–18	V	N	N	NOT SAMPLED				NOT SAMPLED				
2004	SEPT. 13–17	V	N	N	NOT SAMPLED				NOT SAMPLED				

Site Name: TOPSOIL STOCKPILES '90	Qualitative			Quantitative								
Exposure: V				Cover				% Composition				
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	AUG. 23–27	V	S	S	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				
2002	SEPT. 2–6	V	N	N	NOT SAMPLED				NOT SAMPLED				
2003	OCT. 13–18	V	N	N	NOT SAMPLED				NOT SAMPLED				
2004	SEPT. 13–17	V	N	N	NOT SAMPLED				NOT SAMPLED				

Site Name: SUBSOIL STOCKPILE '90	Qualitative			Quantitative								
Exposure: V				Cover				% Composition				
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	AUG. 23–27	V	N	S–M	26.67	10.00	57.08	6.25	44.56	26.03	29.40	–	–
2000	AUG. 28–SEPT. 2	V	N	S–M	NOT SAMPLED				NOT SAMPLED				
2001	AUG. 27–AUG. 31	V	N	S–M	NOT SAMPLED				NOT SAMPLED				
2002	SEPT. 2–6	V	N	S–M	NOT SAMPLED				NOT SAMPLED				
2003	OCT. 13–18	V	N	S–M	NOT SAMPLED				NOT SAMPLED				
2004	SEPT. 13–17	V	N	S–M	NOT SAMPLED				NOT SAMPLED				

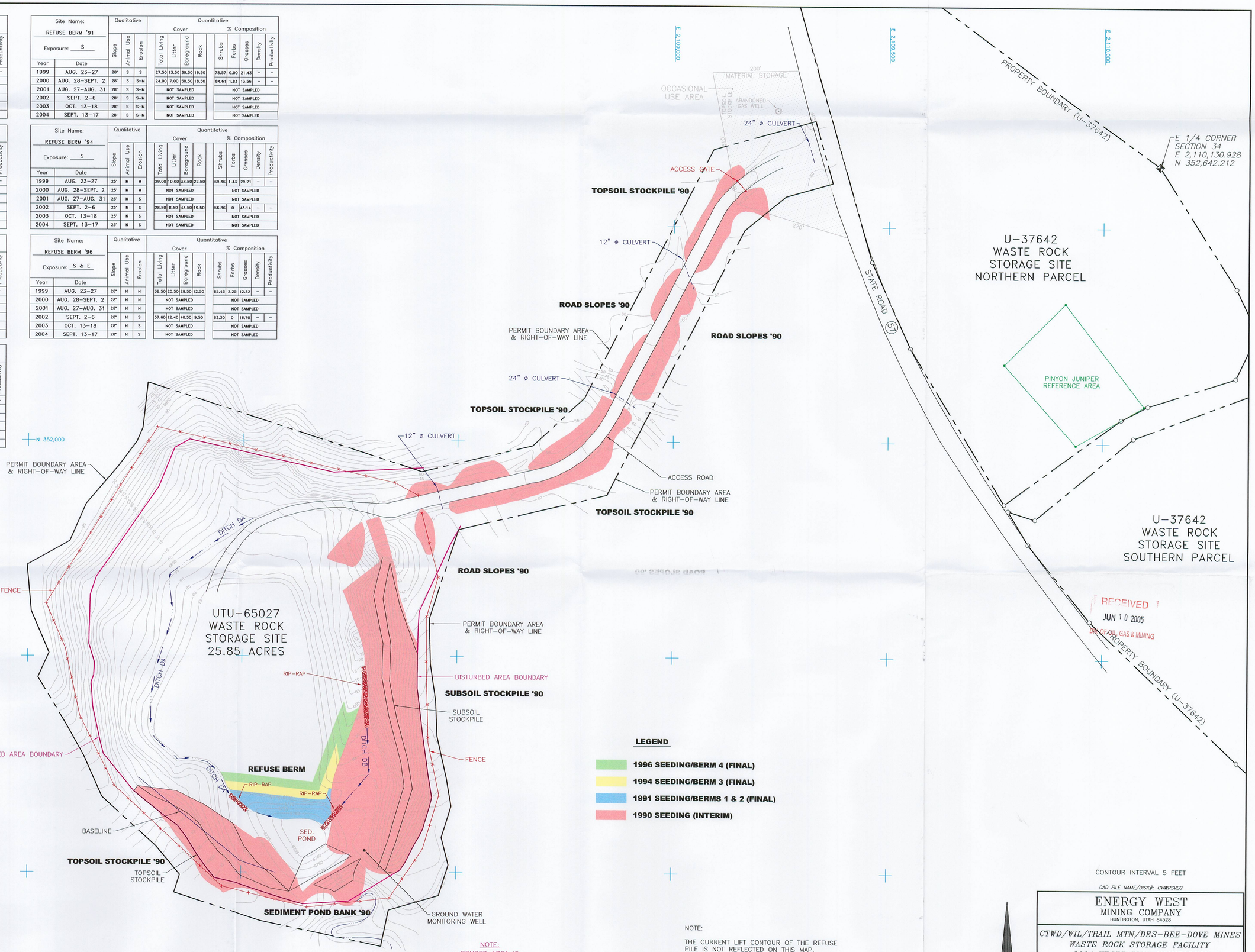
Site Name: SEDIMENT POND BANKS '90	Qualitative			Quantitative								
Exposure: V				Cover				% Composition				
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	AUG. 23–27	V	S	N	32.00	10.00	30.00	28.00	56.12	3.67	40.21	–	–
2000	AUG. 28–SEPT. 2	V	S	N	NOT SAMPLED				NOT SAMPLED				
2001	AUG. 27–AUG. 31	V	S	N	NOT SAMPLED				NOT SAMPLED				
2002	SEPT. 2–6	V	S	N	NOT SAMPLED				NOT SAMPLED				
2003	OCT. 13–18	V	S	N	NOT SAMPLED				NOT SAMPLED				
2004	SEPT. 13–17	V	S	N	NOT SAMPLED				NOT SAMPLED				

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

Site Name: REFUSE BERM '91	Qualitative			Quantitative								
Exposure: S				Cover				% Composition				
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	AUG. 23–27	28°	S	S	27.50	13.50	39.50	19.50	78.57	0.00	21.43	–	–
2000	AUG. 28–SEPT. 2	28°	S	S–M	24.00	7.00	50.50	18.50	84.61	1.83	13.56	–	–
2001	AUG. 27–AUG. 31	28°	S	S–M	NOT SAMPLED				NOT SAMPLED				
2002	SEPT. 2–6	28°	S	S–M	NOT SAMPLED				NOT SAMPLED				
2003	OCT. 13–18	28°	S	S–M	NOT SAMPLED				NOT SAMPLED				
2004	SEPT. 13–17	28°	S	S–M	NOT SAMPLED				NOT SAMPLED				

Site Name: REFUSE BERM '94	Qualitative			Quantitative								
Exposure: S				Cover				% Composition				
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	AUG. 23–27	25°	M	M	29.00	10.00	38.50	22.50	69.36	1.43	29.21	–	–
2000	AUG. 28–SEPT. 2	25°	M	M	NOT SAMPLED				NOT SAMPLED				
2001	AUG. 27–AUG. 31	25°	M	S	NOT SAMPLED				NOT SAMPLED				
2002	SEPT. 2–6	25°	N	S	28.50	8.50	43.50	19.50	56.86	0	43.14	–	–
2003	OCT. 13–18	25°	N	S	NOT SAMPLED				NOT SAMPLED				
2004	SEPT. 13–17	25°	N	S	NOT SAMPLED				NOT SAMPLED				

Site Name: REFUSE BERM '96	Qualitative			Quantitative								
Exposure: S & E				Cover				% Composition				
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	AUG. 23–27	28°	N	N	38.50	20.50	28.50	12.50	85.43	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				
2002	SEPT. 2–6	28°	N	S	37.60	12.40	40.50	9.50	83.30	0	16.70	–	–
2003	OCT. 13–18	28°	N	S	NOT SAMPLED				NOT SAMPLED				
2004	SEPT. 13–17	28°	N	S	NOT SAMPLED				NOT SAMPLED				



NOTE:
BONDED AREA IS DISTURBED AREA

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

RECEIVED
JUN 10 2005
DIVISION OF OIL, GAS & MINING

LICENSED PROFESSIONAL ENGINEER
JOHN CHRISTENSEN
No. 165651
STATE OF UTAH

John Christensen 5/12/05
JOHN CHRISTENSEN NO. 165651 DATE

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.

CONTOUR INTERVAL 5 FEET

CAD FILE NAME/DISK#: CWWRSVEG

ENERGY WEST
MINING COMPANY
HUNTINGTON, UTAH 84528

CTWD/WIL/TRAIL MTN/DES-BEE-DOVE MINES
WASTE ROCK STORAGE FACILITY
2004 VEGETATION MONITORING

DRAWN BY:	K. LARSEN	DRAWING #:	CWWRSVEG
SCALE:	1" = 100'		
DATE:	MARCH 26, 1997	SHEET 1 OF 1	REV. ___