

APPENDIX 1-3

VIOLATION INFORMATION

Information Can Be Found in Appendix 1-8 of Part "A" Horse Canyon.

Information updated to February 2003

Name of Operation		Identifying number for operation		Federal or State Permit Number		MSHA ID Number		
Energy Resources, Inc.		470		License # 1465		3602695		
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
09/20/00	247508	PaDEP	ERI	24880103	Failure to adequately reclaim affected area	Abated	Affected area was seeded & mulched	N
01/26/01	59441	PaDEP	ERI	24970102	Blasting at mine resulting in fly rock	Abated	Blasting company submitted plan to prevent future occurrences of fly rock	N
03/23/01	68345	PaDEP	ERI	24890101	Failure to maintain adequate e & s controls on haul road	Abated	E & S controls were repaired	N
11/19/01	85530	PaDEP	ERI	24970102	87.137	Abated	Corrected	
3/18/02	93073	PaDEP	ERI	17823701	Discharge not	Abated	Corrected	
9/10/02	101632	PaDEP	ERI	24970102	Failure to Backfill	Abated	Corrected	
11/5/02	106664	PaDEP	ERI	33901602	Discharge Not	Abated	Corrected	
1/9/03	107717	PaDEP	ERI	17823701	Discharge Not	Abated	Corrected	
2/10/03	108728	PaDEP	ERI	24970102	Failure to Backfill	Abated	Corrected	
3/25/03	117731	PaDEP	ERI	33901602	Discharge Not	Abated	Corrected	
4/22/03	118231	PaDEP	ERI	17823701	Discharge Not	Abated	Corrected	
		PaDEP	ERI	17841607	Discharge Not	Abated	Corrected	N

Name of Operation		Identifying number for operation		Federal or State Permit Number		MSHA ID Number		
TDK Coal Sales, Inc.		27182				3608867		
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
8/11/00	52642	PaDEP	TDK	16910104	Failure to Backfill	Abated	Corrected	N
7/30/03	123260	PaDEP	TDK	33960109	Failure to Plant in	Abated	Corrected	N
8/05/03	123485	PaDEP	TDK	24970104	Allowing water to	Abated	Corrected	N
8/7/03	032047S	PaDEP	TDK	24970104	Failure to Pump Pit	Abated	Corrected	

Name of Operation		Identifying number for operation			Federal or State Permit Number		MSHA ID Number		
The Ohio Valley Coal Co.		Powhatan No. 6 Mine			State - D-0360		D-0360		
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation		Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
									N

Name of Operation		Identifying number for operation			Federal or State Permit Number		MSHA ID Number		
The American Coal Co.		Millennium Portal			IDNR MINING PERMIT # 2 AND # 352		11 - 02752		
Galatia Mine									
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation		Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
6-01-00	22-1-00	IDNR	DeNeal	Permit #2	Failure to submit Quarterly subsidence report on schedule		Abated	Submitted report	N
10-03-03	06-03	IDNR	DeNeal	Permit #2	Failure to abate Notice		Terminated		N
7/01/03	37-3-03	IDNR	DeNeal	Permit #2	Failure to submit subsidence plans		Terminated		N
5-21-03	37-2-03	IDNR	DeNeal	Permit #2	Failure to notify landowners of ug miing at six months		Terminated		N
4-11-02	22-1-02	IDNR	DeNeal	Permit #2	Failure to follow approved drainage control plan		Terminated		N

Name of Operation		Identifying number for operation			Federal or State Permit Number		MSHA ID Number		
Belmont Coal Company					D-0241/D-1020		33-04397/33-03048		
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation		Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
9/11/00	21197	DMRM	Breckenrig e	D-1020	Failure to complete backfilling within 180 days		Terminated	Completed backfilling & grading	N
12/14/00	CO 8614	DMRM	Breckenrig e	D-1020	Failure to abate Nov 21197		Terminated	Compedted backfilling & grading	Y
1/10/01	21902	DMRM	Breckenrig e	D-1020	Failure to submit required surface water monitoring for 00		Non-Remedial	Non-Remedial	N

Name of Operation		Identifying number for operation		Federal or State Permit Number		MSHA ID Number		
Canterbury Coal Inc.		644		D-0241/D-1020		3600813/3605708		
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
3/15/00	49862	PADEP		03743701	89.64	Abated		N
4/24/00	237666	PADEP		03743701	89.52	Abated		N
06/21/00	51520	PADEP		03743701	87.106	Abated		N
06/21/00	51521	PADEP		03743701	87.146	Abated		N
7/14/00	51830	PADEP		03743701	86.13	Abated		N
8/11/00	959162	PADEP		03743701	90.108 Failure to prop design, construct	Abated		N
8/11/00	959162	PADEP		03743701	90.124 Failure to inspect	Abated		N
8/11/00	52788	PADEP		03743701	90.106	Abated		N
9/14/00	247191	PADEP		03743701	90.102	Abated		N
10/06/00	54717	PADEP		03743701	89.52	Abated		N
11/14/00	247191	PADEP		03743701	90.102	Abated		N
11/14/00	247191	PADEP		03743701	90.106	Abated		N
11/14/00	56484	PADEP		03743701	89.52	Abated		N
02/14/01	64270	PADEP		03743701	90.124	Abated		N
05/16/01	73624	PADEP		03743701	90.106	Abated		N
05/16/01	73624	PADEP		03743701	90.108	Abated		N
6/20/01	79823	PADEP		03743701	86.13	Abated		N
6/20/01	79823	PADEP		03743701	89.58	Abated		N
12/10/01	88597	PADEP		03743701	90.124	Abated		N
01/22/02	87869	PADEP		03743701	86.13	Abated		N
02/13/02	87869	PADEP		03743701	86.13	Abated		N
9/05/02	101780	PADEP		03743701	90.109	Abated		N
9/05/02	101780	PADEP		03743701	90.122.Q	Abated		N
9/05/02	101780	PADEP		03743701	86.13	Abated		N
9/06/02	51520	PADEP		03743701	87.106	Abated		N

Name of Operation		Identifying number for operation		Federal or State Permit Number		MSHA ID Number		
UMCO Energy, Inc.		74645						
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
12/20/01	292301	DMRM		63921301	86.143	Abated		N
1/23/02	294655	DMRM		63921301	89.52	Abated		N

Name of Operation		Identifying number for operation		Federal or State Permit Number		MSHA ID Number		
Energy Resources								
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
9/13/01	21575	ODNR		D-0425	Disturbed outside of permit	Terminated	Revised permit	N
9/13/01	21542	ODNR		D-0425	Sediment Discharge into stream	Terminated	completed drainage structure	N
3/5/03	21579	ODNR		D-0425	Const slurry line	Terminated	Incidental boundary revision	N
3/27/03	21590	ODNR		D-1159	Pond #18 not certified	Terminated	Pond changed to sump	N
3/27/03	21591	ODNR		D-1159	Not all drainage to pond	Terminated	Small area drainage exemption	N
4/3/03	21584	ODNR		D-1159	construction prior to certification of approval	Terminated	completed & certified Pond #16	N
4/30/03	24363	ODNR		D-1159	affected acreage beyoind approved area	Terminated	revised permit	N
7/2/03	24364	ODNR		D-0425	Did not submit 6 month notice letters ug mining to landowner	Non-remidial		

Name of Operation		Identifying number for operation		Federal or State Permit Number		MSHA ID Number		
Maple Creek Mining, Inc.		4244		63723707		36-00970		
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
2/12/01	1004930	MCM		63723707	90.106	Abated		N
2/12/01	263310	MCM		63723707	90.125	Abated		N
2/12/01	263334	MCM		63841302	89.52	Abated		N
2/12/01	1004974	MCM		63841302	89.21	Abated		N
2/12/01	1004974	MCM		63841302	89.24	Abated		N
3/2/01	266327	MCM		63841302	89.52	Abated		N
3/2/01	266328	MCM		63841302	89.52	Abated		N
3/2/01	266332	MCM		63723707	90.102	Abated		N
5/2/01	281977	MCM		63841302	87.119	Abated		N
6/4/01	278131	MCM		63841302	89.52	Abated		N
6/18/01	291687	MCM		63841302	Other.89	Abated		N
8/14/01	1054168	MCM		63841302	89.58	Abated		N
6/21/01	285921	MCM		63841302	Other.89	Abated		N
7/9/01	290650	MCM		63841302	Other.89	Abated		N
8/15/01	1099139	MCM		63841302	Other.89	Abated		N
8/15/01	1099147	MCM		63841302	Other.89	Abated		N
8/30/01	287161	MCM		63841302	Other.89	Abated		N
8/31/01	290678	MCM		63841302	Other.89	Abated		N
9/6/01	287087	MCM		63841302	87.119	Abated		N
9/4/01	287097	MCM		63841302	87.119	Abated		N
10/10/01	281988	MCM		63841302	Other.89	Abated		N
10/18/01	287150	MCM		63841302	87.119	Abated		N
1/10/02	94386	Air Quality		63723707	123.1 Fugitive Dust	Abated		N
1/15/02	294867	MCM		63841302	89.26	Abated		N
1/15/02	294868	MCM		63841302	89.52	Abated		N
1/28/02	294874	MCM		63723707	90.134	Abated		N
1/22/02	294364	MCM		63723707	90.102	Abated		N
1/23/02	1092624	MCM		63921301	89.52	Abated		N
1/28/02	1093315	MCM		63723707	90.134	Abated		N
2/14/02	1102051	MCM		63841302	89.58	Abated		N
2/28/02	298872	MCM		63723707	90.102	Abated		N
3/15/03	1108544	MCM		63841302	89.52	Abated		N
4/2/02	1112242	Air Quality		63723707	123.1	Abated		N
4/09/02	1115037	MCM		63723707	90.102	Abated		N
5/20/02	1123884	MCM		63841302	Other.89	Abated		N
5/28/02	1125133	MCM		63841302	Other.89	Abated		N
5/28/02	1125138	MCM		63841302	Other.89	Abated		N

Name of Operation		Identifying number for operation			Federal or State Permit Number	MSHA ID Number		
PENNAMERICAN COAL LP		93081			32951301	36-00970		
Date Issued	Violation Number	Name of Issuing Agency	Person Issued To	Permit Number	Brief Description of Violation	Status (Abated, Term. etc.)	Abatement Action	Appeal Y or N
4/19/01	71965	Air Qual	Mine	1800809	123.1 Fugitive Emissions	Abated		N
11/25/02	106178	MCM	Mine	32951301	89.68 Ceasing oper w/o notify	Abated		N
11/25/02	106178	MCM	Mine	32951301	Other.89 Other bitum ug mining @ prep plant	Abated		N

The following companies either did not have any violations or do not have permits associated with them:

Oklahoma Coal Company

KenAmerican Resources, Inc.

Onieda Coal, Inc.

Spring Church Coal Company



UtahAmerican Energy, Inc.

October ⁶7, 2003

Jim Dykman
Cultural Resource Coordinator
Utah Preservation Office
300 South Rio Grande St.
Salt Lake City, UT 84101-1143

copy

Re: **REQUEST CONSULTATION IN DETERMINING THE POTENTIAL EFFECTS TO CULTURAL RESOURCES.**

Dear Mr. Dykman,

UtahAmerican Energy, Inc. ("UEI") is proposing to donate approximately 896 acres of which, 16.18 acres are within the Horse Canyon Mine Reclamation Plan (ACT/007/013), to the College of Eastern Utah ("CEU"). The donated property will include several buildings constructed in the early 1940's and used to support the Geneva coal mine. The buildings include an office, bathhouse, warehouse, and shop.

CEU plans on using the donated property and buildings for a field camp and or satellite campus. A summary of the planed CEU usage found at <http://www.utah.edu/uees/mlr/horsecanyon.html> is attached for your review. A feasibility study was completed in July 2003 by the Center for Mine Land Redevelopment at the University of Utah. The study was funded from an Award from the U.S. Department of Commerce Economic Development Administration EDA Award No. 05-86-03788.

On July 9th, 2003 UEI submitted an application to change the designated post mining land use from wildlife habitat to residential/recreational. The change in post mining land use is required to allow for the property donation. As a result of the technical review performed by the Division of Oil, Gas and Mining, ("DOG M"), deficiencies in the submittal were identified. The information provided was determined by DOGM to be "not adequate for the Historic and Archaeological requirement of the Regulations. In the technical analysis DOGM stated that "They (the buildings) have not been evaluated for their historic value, because at the time of initial permit issuance, they (the buildings) were not sufficiently aged."

UEI respectfully requests your assistance with: 1) Evaluation of the buildings to determine their historic value, and 2) Determination of potential effects to cultural resources resulting from the property donation.

I would be more than happy to assist you in any way that you think might be appropriate.

The following people are my points of contact.

Division of Oil, Gas and Mining
Priscilla Burton
Project Lead
(801) 538-5288

College of Eastern Utah
Brad King
V.P. Institutional Advance and Student Services
College of Eastern Utah
(435) 613-5268

Should you have any questions please call. My cell phone number is (435) 650 3157.

Sincerely,

R. Jay Marshall
Project Engineer

Regrading, Reclamation, Stabilization and Revegetation Plan For Portal and Rock Dust Bin Post Mine Land Use Change (PMLU)

Portal Area : Two portal collars approximately 8' high, 16' wide and 2' thick in the form of an upside down "U" remain in an area not included in Phase II reclamation but designated for post mine land use change. The western most portal has been designated as the Fan portal and the eastern most portal the Man-Way portal (Exhibit A-3). An old metal temporary fan housing exists at the fan portal. An underground rock dust bin located in the portal pad will also be reclaimed.

Reclamation: The old metal fan housing will be dismantled and removed from site. The metal will either be salvaged or disposed of in an approved land fill. The two concrete collars will be removed 3' below ground level. The removed concrete will be disposed of in an approved land fill. The hole left from the removal of the concrete collar, shaped like an upside down "U", will be carefully filled using a track hoe. The fill material will be obtained by lowering the elevation of the pad adjacent to the rock dust bin. The total material needed to fill in the collar holes is less than 15 cyds. To minimize disturbance the material used to fill in the collar holes will be carefully placed with a track-hoe with the majority of the grading being done by hand, blending in with the existing reclaimed slope. The pad area will be lowered less than two feet, not even enough to reflect in the 5' contour lines.

The rock dust bin, which measures approximately 8' by 8' by 8', will be crushed and buried with a minimum of 4' cover. To minimize the fill material needed, the four pallets of rock dust located in the warehouse may be dumped into the bin prior to reclamation. It is estimated that an area of the pad measuring approximately 30 feet by 30 feet by 1' will be graded to fill in the rock dust bin. The grading of the pad will result in the pad being lowered less than two feet, not even enough to reflect in the 5' contour lines. The amount of fill needed is approximately 19 cyds.

Neither major regrading nor slope regrading is anticipated. Efforts will be made to minimize disturbance and to maintain the requested pad area,

Any runoff from the disturbed areas will be channeled using the existing ditch system and contained within sediment pond #2.

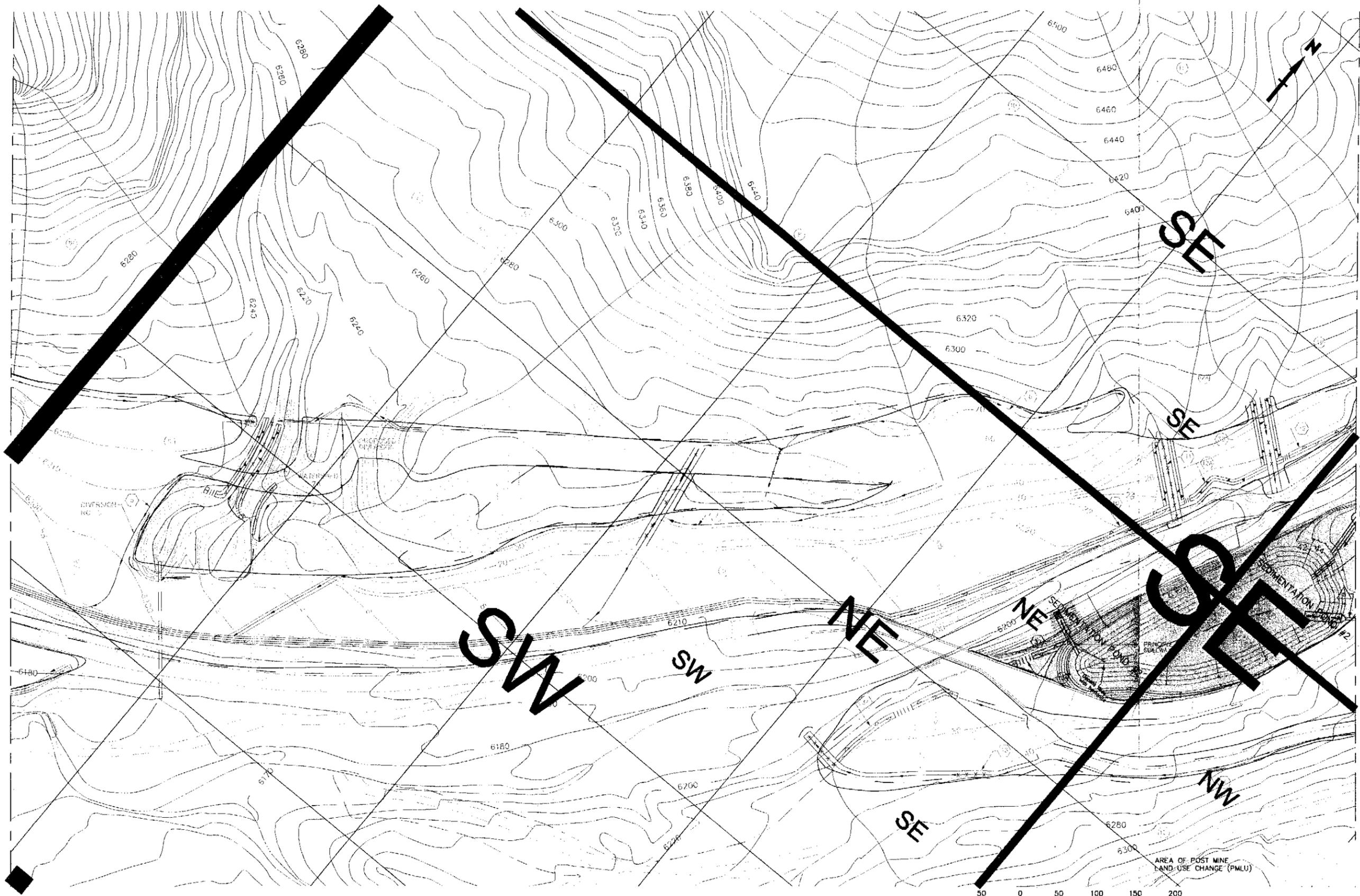
Revegetation: Disturbance at the portals are estimated at approximately 200 square feet. The disturbance at the rock dust bin and borrow areas adjacent to the bin are estimated at approximately 900 square feet. Both disturbances result in a disturbance of less than .03 acres. The disturbed area near the removed collars will be hand raked and will blend in to the existing undisturbed reclaimed slope. The area adjacent to the reclaimed rock dust bin will be pocked according to the approved MRP using a track hoe. Both areas will be hand seeded and mulched with straw according to the approved MRP. The approved seed mix found in Table 8.4.2.4-1A of the approved MRP. (attached) will be used.

UPDES Point: As a result of conversations between Water Quality and DOGM it was determined that an acceptable way to reclaim the UPDES point was to prevent any discharge from the NPDES location. A simple way to fill in the decant pipe and prevent discharge will be to fill the decant with bentonite. Water Quality concerns were to prevent any discharge from the pond. The decant pipe will be cut off at ground level and filled with bentonite to eliminate the potential of discharge. No grading, or Revegetation is anticipated. According to the Price Water Rights office, no water right will be required for the remaining pond. Once the reclamation work has been completed and concurrent with bond release, the NPDES point will be deactivated.

**Table 8.4.2.4-1A
Seed Mix used in 1991**

Species	Seeds/lb	% Mix	(PLS) Drill Rate	(PLS) Broadcast Rate
<u>Grasses</u>				
Agropyron riparium*	156,000	0.3	0.1	0.2
Agropyron smithii	110,000	7.1	2.9	5.8
Agropyron spicatum	117,000	7.8	3.0	6.0
Agropyron trachycaulum*	159,000	0.4	0.1	0.2
Elymus salinus	379,500	16.1	1.9	3.8
Elymus giganteus*	100,000	0.7	0.3	0.6
Oryzopsis hymenoides	235,000	7.9	1.5	3.0
Sitanion hystrix	192,000	8.6	2.0	4.0
Sporobolus cryptandrus	5,298,000	11.8	0.1	0.2
Subtotal		60.6	11.9	23.8
<u>Legumes</u>				
Melilotus officinalis	260,000	5.8	1.0	2.0
Medicago sativa	210,000	4.7	1.0	2.0
Astragalus cicer	145,000	4.8	1.5	3.0
Subtotal		15.3	3.5	7.0
<u>Forbs</u>				
Sphaeralcea ambigua	500,000	1.1	0.1	0.2
Penstemon palmeri	610,000	1.4	0.1	0.2
Linum lewisii	285,000	1.3	0.2	0.4
Sanguisorba minor*	55,000	0.1	0.1	0.2
Subtotal		3.9	0.5	1.0
<u>Shrubs</u>				
Artemisia tridentata				
tridentata	2,576,000	5.7	0.1	0.2
Artemisia nova	907,200	4.0	0.2	0.4
Atriplex canescens	52,000	2.3	2.0	4.0
Chrysothamnus nauseosus				
albicaulis	400,000	2.7	0.3	0.6
Ceratoides lanata	56,700	2.5	2.0	4.0
Cowania mexicana	64,600	2.9	2.0	4.0
Subtotal		20.2	6.6	13.2
TOTAL PER ACRE	4,485,490	100.0	22.5	45.0

Note: An additional 15 bags of seed were purchased to provide sufficient seed for the mining phase of the project. Interium seed mix species indicated with an asterisk in the above table were eliminated and Elymus salinus was replaced with Elymus cinereus at 3.0 PLS drill rate due to availability.



MATCH LINE SEE EXHIBIT A-2

NO	DATE	REVISION	BY	APP
5	10-4-01	MATCH LINE CORRECTED DECANT IDENTIFIED AREAS FOR PMLU	J.M.N.	
4	6-13-01			
3	6-1-01	REVISED PER ADDITIONAL AS-BUILT WORK	J.M.N.	
2	11-15-99	REVISED PER AS-BUILT	J.M.N.	
1	11-30-99	REVISED PER TECH. REVIEW	J.M.N.	



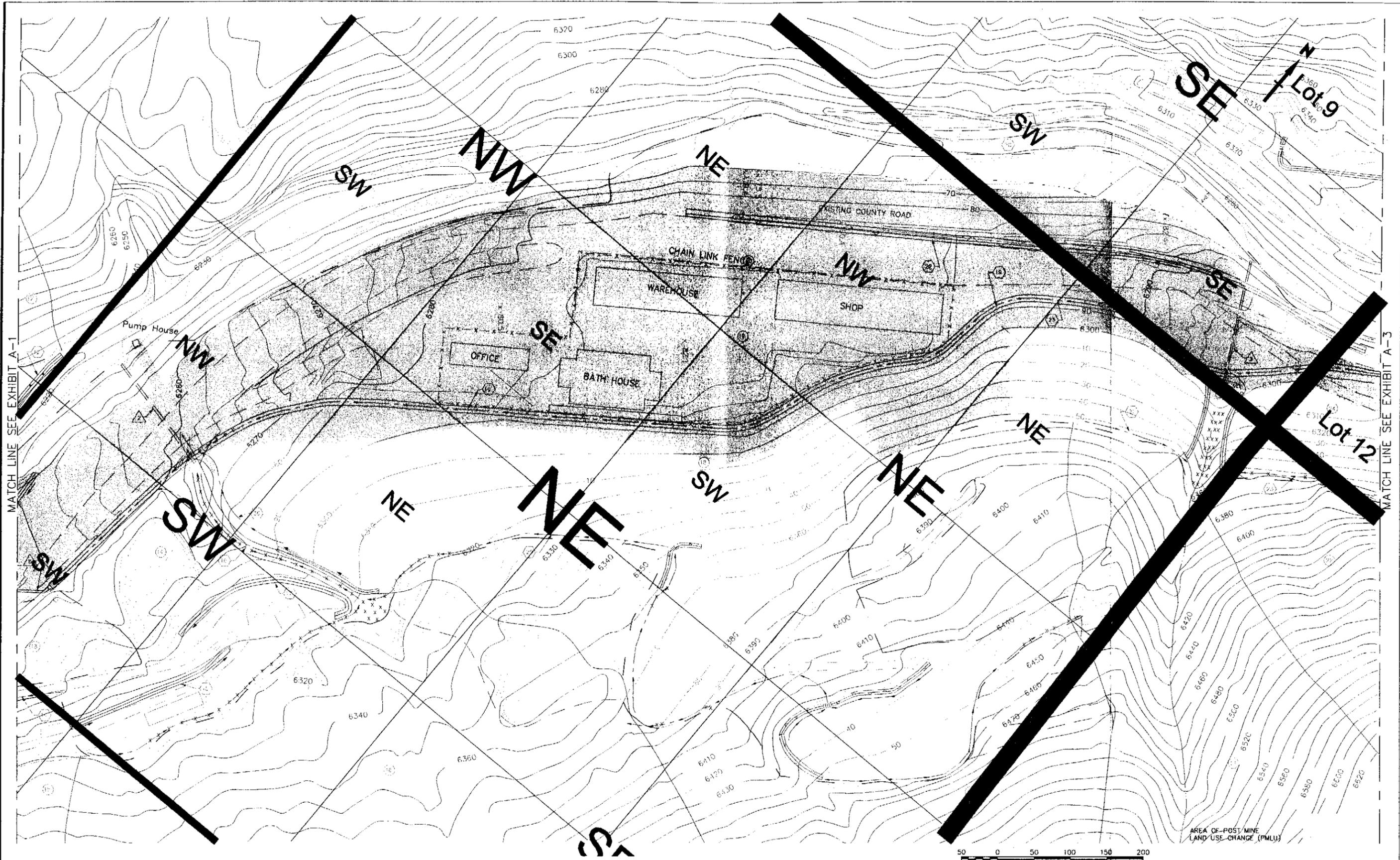
1. FOR LEGEND SEE PLATE V-3, VOL. 3.
 2. TOPO BASED ON 1980 AERIAL PHOTO BY INTER MOUNTAIN TECHNICAL SERVICES, INC. OF GRAND JUNCTION, COLORADO.
 3. DATUM IS 1929 SEA LEVEL.
 4. IRRIGATION SYSTEM IS KASER STEEL LOCAL.
 5. INTERIM AND FINAL RECLAMATION TOPOGRAPHY DESIGNED AND DEVELOPED BY KOF KASER ENGINEERS, INC., 1990-1991.
 6. COMPLIANCE TOPOGRAPHY DESIGN AND DEVELOPMENT MODIFIED AND PREPARED BY EARTHFAK ENGINEERING, INC.

SCALE:	DATE
As Shown	7-30-90
DESIGNED BY: J. MAHER	
DRAWN BY: K.M. NEMATI	10-30-91
CHECKED BY:	
APPROVED BY:	
DATE:	
BASE MAP:	

UTAHAMERICAN ENERGY, INC.
 P.O. BOX 986, PRICE, UTAH 84501

EarthFak Engineering, Inc.
 Engineers/Scientists

EXHIBIT A-1
 AREA FOR POST MINING LAND USE CHANGE
 HORSE CANYON MINE



MATCH LINE SEE EXHIBIT A-1

MATCH LINE SEE EXHIBIT A-3

NO	DATE	REVISION	BY	APP
1-10-93		AREA FOR (PMLU)		
4-1-98		REVISED PER ADDITIONAL AS-BUILT WORK		
11-15-98		REVISED PER AS-BUILT		
11-30-98		REVISED PER TECH. REVIEW		



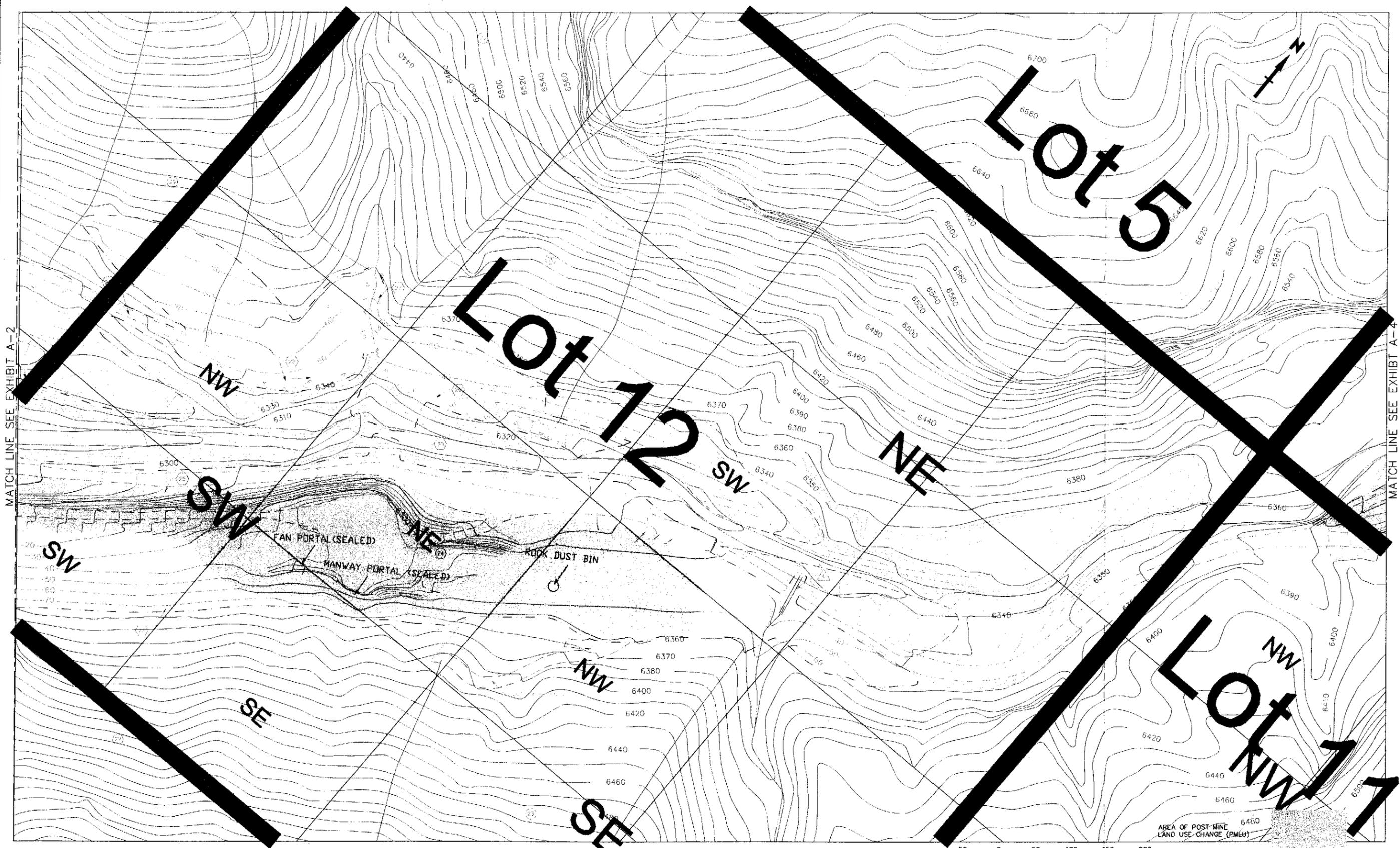
PROFESSIONAL SEAL
 1. FOR LEGEND SEE PLATE W-3, VOL. 3
 2. TOPOG. BASED ON 1985 AERIAL PHOTO BY ENTER MOUNTAIN TECHNICAL SERVICES, INC. OF GRAND JUNCTION, COLORADO.
 3. DATUM 1929 SEA LEVEL
 4. INTERIM AND FINAL RECLAMATION TOPOGRAPHY DESIGNED AND DEVELOPED BY KOF KAISER ENGINEERS, INC., 1990-1991.
 5. COMPLIANCE TOPOGRAPHY DESIGN AND DEVELOPMENT MODIFIED AND PREPARED BY EARTHFAK ENGINEERING, INC.

SCALE	DATE
AS SHOWN	
DESIGNED BY: J. MAHER	7-30-90
DRAWN BY: K.M. NEMATI	10-30-91
CHECKED BY:	
APPROVED BY:	
DATE MAP:	

UTAHAMERICAN ENERGY, INC.
 P.O. BOX 986, PRICE, UTAH 84501

EarthFak Engineering, Inc.
 Engineers/Scientists

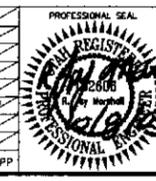
EXHIBIT A-2
 AREA FOR POST MINING LAND USE CHANGE
 HORSE CANYON MINE



MATCH LINE SEE EXHIBIT A-2

MATCH LINE SEE EXHIBIT A-2

NO.	DATE	REVISION
1	10-30-91	Added additional lots
2	11-13-91	PMLU AREAS
3	1-11-92	REVISED PER ADDITIONAL AS-BUILT WORK
4	11-13-92	REVISED PER AS-BUILT
5	1-30-93	REVISED PER TECH. REVIEW



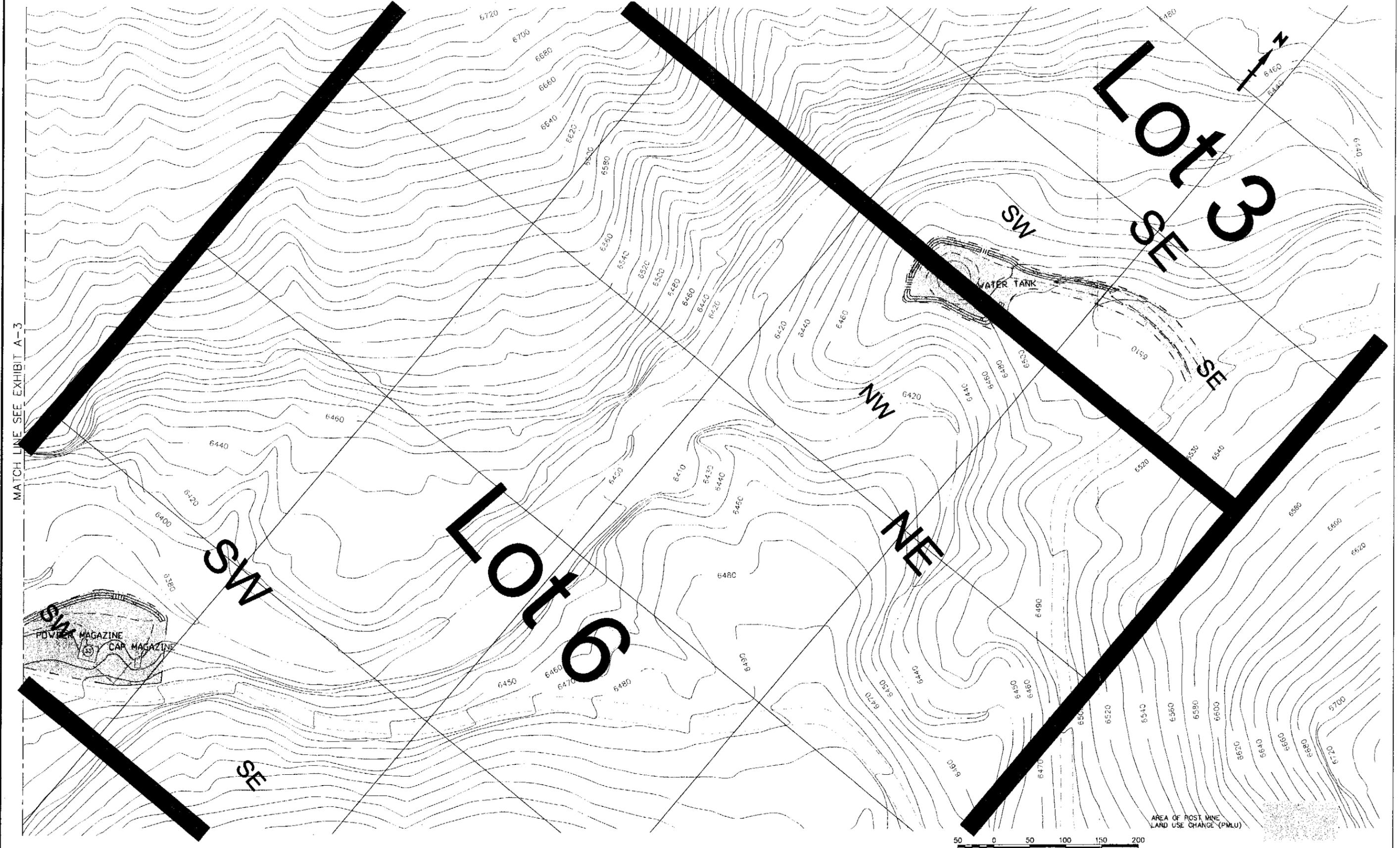
1. FOR LEGEND SEE PLATE W-3, VOL. 3.
 2. TOPO BASED ON 1985 AERIAL PHOTO BY INTER MOUNTAIN TECHNICAL SERVICES, INC. OF GRAND JUNCTION, COLORADO.
 3. DATUM IS 1929 SEA LEVEL.
 4. DRAINAGE SYSTEM IS KAISER STEEL LOCAL.
 5. INTERIM AND FINAL RECLAMATION TOPOGRAPHY DESIGNED AND DEVELOPED BY ICF KAISER ENGINEERS, INC. 1980-1991.
 6. COMPLIANCE TOPOGRAPHY DESIGN AND DEVELOPMENT MODIFIED AND PREPARED BY EARTHFAK ENGINEERING, INC.

SCALE:	AS SHOWN	DATE:
DESIGNED BY:	J. MAHER	7-30-90
DRAWN BY:	K.M. NEMATI	10-30-91
CHECKED BY:		
APPROVED BY:		
DATE MAP:		

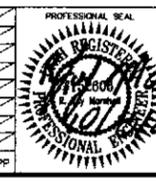
UTAHAMERICAN ENERGY, INC.
 P.O. BOX 986, PRICE, UTAH 84501

EarthFak Engineering, Inc.
 Engineers/Scientists

EXHIBIT A-3
 AREA FOR POST MINE LAND USE CHANGE
 HORSE CANYON MINE



NO	DATE	REVISION	BY	APP
1	11-30-90	REVISED PER TECH. REVIEW		
2	11-15-90	REVISED PER AS-BUILT		
3	6-1-90	REVISED PER ADDITIONAL AS-BUILT WORK		
4	7-18-01	AREA FOR (PMLU)		



PROFESSIONAL SEAL
 1. FOR LEGEND SEE PLATE M-3, VOL. 3.
 2. TOPO BASED ON 1985 AERIAL PHOTO BY INTER MOUNTAIN TECHNICAL SERVICES, INC. OF GRAND JUNCTION, COLORADO.
 3. ELEVATION IS 1920 SEA LEVEL.
 4. PROPERTY SYSTEM IS KAISER STEEL LOCAL.
 5. INTERIM AND FINAL RECLAMATION TOPOGRAPHY DESIGNED AND DEVELOPED BY ICF KAISER ENGINEERS, INC., 1990-1991.
 6. COMPLIANCE TOPOGRAPHY DESIGN AND DEVELOPMENT MODIFIED AND PREPARED BY EARTHFAK ENGINEERING, INC.

SCALE	DATE
AS SHOWN	7-30-90
DESIGNED BY: J. MAHER	10-30-91
DRAWN BY: K.M. NEMATI	
CHECKED BY:	
APPROVED BY:	
DATE:	
BASE MAP:	

UTAHAMERICAN ENERGY, INC.
 P.O. BOX 986, PRICE, UTAH 84501

EarthFak Engineering, Inc.
 EXHIBIT A-4
 AREA FOR POST MINING LAND USE CHANGE
 HORSE CANYON MINE