ASCA #7
(TOP SOIL STORAGE AREA – APPROX. 2 1/2 MILES SOUTH OF MINE SITE.)

ASCA #6
(SEWAGE LAGOONS – APPROX. 2 MILES SOUTH OF MINE SITE.)

PERMIT AREA BOUNDARY

STRAW BALES

ASCA #1
(REI STORAGE AREA)

SEDIMENT POND

18" CULVERT

WS-10

EARTHEN BERM

DROP INLET TYP.

24" CMP

WS-8

12"CMP

ASPHALT BERM

WS-9

18"X18" DITCH WITH GRATES

OPEN COBBLESTONE DITCH

ASPHALT BERM

DROP INLET

ASCA #2
(PARKING LOT OUTSLOPES)

CONCRETE ENCASED 18" DIA STEEL PIPE

DROP INLET

CULVERT 4
24" CMP

CONCRETE ENDWALL

ROCK RIPRAPPED OUTSLOPES

CULVERT 5
18" PORTAL BYPASS CULVERT

STRAW BALES

ASCA #5

WS-13B

UNDISTURBED DRAINAGE DITCHES

WS-13A

WS-5

WS-7

ROAD DRAINAGE COLLECTION DITCHES (NOTE: NOT CONSIDERED AS PRIMARY DIVERSIONS

18" POLY PIPE
(SEE DESCRIPTION BELOW)

WS-6

24" CMP

18"X18" CONCRETE DITCH WITH GRATES

RIPRAPPED DITCH

18" CMP
CULVERT 6

WS-14

PORTAL ACCESS ROAD

ROCK RIPRAPPED SLOPE BEHIND HEADGATE

WS-12

WS-1 & WS-2

84" CMP

STORAGE AREA

GRAVEL BERM

BERM DESIGN
SEE APPENDIX 7-J

WS-3

WS-4

30" BYPASS CULVERT

DITCH DESIGN
SEE APPENDIX 7-J

ASPH. BERM

24" CULVERT

CONC. HEADGATE

24" CULVERT

DROP INLET TYP.

DISTURBED AREA BOUNDARY

30" BYPASS CULVERT

24" CMP
CULVERT 3

24" CMP
CULVERT 1

18"x18" CONC. DITCH

24" CMP
CULVERT 2

WS-11

18"X18" OPEN CONCRETE DITCH

UNDISTURBED DRAINAGE BYPASS CULVERT

ROCK RIPRAPPED SLOPES

ASCA #8
(INLET SLOPES)

12" CMP
CULVERT 7

WS-15

24"CMP (UNDISTURBED)

PRECAST CONC. BARRIER

ASCA #9
(NO. 3 FAN EXPLORATION ROAD BEGINS APPROX. 300' NORTH OF NO.2 FAN)

GUARD RAIL

VEG. TEST PLOT

STRAW BALES

REI CULVERT
(CORRUGATED STEEL PIPE ARCH)
(7'x10.5')

ASCA #3
(#2 EXHAUST FAN)

DISTURBED AREA BOUNDARY

ASCA #4

SECTION 18

SECTION 7

T13S , R12E
SLB & M

LEGEND:

NOTE: 1: THE WATERSHED BOUNDARIES AND FACILITIES DEPICTED ON THIS EXHIBIT SUPERSEDE ANY OLDER DRAWINGS WHICH CONFLICT WITH THE INFORMATION PRESENTED HEREON

2: THIS MAP REPLACES EXHIBITS: 4.2-5, 10.2-4-1, 4.2-6, 4.2-2 AND FIGURE 7.

INDICATES AREAS OF DITCH THAT ARE COVERED WITH METAL GRATING

INDICATES AREA OF DITCH REPLACED WITH POLY-PIPE

NOTE: 18" POLY PIPE
DURING THE FALL OF 1997, A PORTION OF THE 24" CULVERT WHICH RECEIVES DRAINAGE FROM WS -3, 5 & 7 WAS FOUND TO BE CORRODED AND IN NEED OF MAINTENANCE. SUBSEQUENTLY A 120' SECTION OF THE 24" CULVERT WAS LINED WITH AN 18" OD. POLY PIPE (16.62" ID.). THE COMBINED DESIGN FLOW OF THE THREE WATERSHEDS IS 2.55 CFS. AND THE FULL FLOW CAPACITY OF THE POLY PIPE IS IN EXCESS OF 34 CFS.

NOTE:
SEE CHAPTER 7 OF THE APPROVED MRP FOR ADDITIONAL DETAILS ON ALL ASCA SITES.

LICENSED PROFESSIONAL ENGINEER
No. 151610
DAVID G. SPILLMAN
STATE OF UTAH

David G. Spillman
3/19/98

EXHIBIT 7.32-1

REVISIONS OR UP-DATES			DATE: 01/08/98	
NO.	DATE	BY	DESIGNED BY:	
1	02/24/98	DCH	DRAWN BY:	JLP
			CHECKED BY:	
			SCALE: 1" = 60'	
FILENAME: D423.DWG – D423.PCP				

Canyon Fuel Company, LLC
Soldier Canyon Mine

RUNOFF CONTROL MAP

P.O BOX 1029
WELLINGTON, UTAH 84542

DRAWING OR MAP NUMBER D42.3