R 12 E

T 15 S

TOP OF POND

COMPACT BERM

CONTROL BOX

DECANT

VALVE BOX

SEDIMENT POND

NEW CONSTRUCTED CHANNEL TO SLOPE ± 1% TO POND (SIDECAST EXCESS MATERIAL ON DOWNSTREAM SIDE)

EMERGENCY SPILLWAY

COMPACT BERM

RETENTION BASIN (Approx. Cap. 12,400 gal.) (Approx. Drainage Area 0.38 acres)

PRINCIPAL SPILLWAY

DITCH

GRAVEL BERM

GRAVEL OUTSLOPES

DRAINS

GATES

SUBSTATION

DRAINS

24"x100' CULVERT

REGRADE EXISTING CHANNEL BOTTOM TO 0.2 % SLOPE TO NEW POND. (SIDECAST EXCESS MATERIAL ON DOWNSTREAM SIDE)

0.54 ACRE INCIDENTAL BOUNDARY CHANGE (SUBSTATION CONSTRUCTION)

COAL STORAGE

TEST PLOT BOUNDARY

DRIVE - THROUGH

EMBANKMENT

ROCK COVERED SLOPE

SMALL AREA EXEMPTION

SUBSURFACE DUST SUPPRESSANT STORAGE TANK

SHACK

SILT FENCE

BERM

DITCH

COALING TOWER

SECTION 16

SECTION 15

COAL STORAGE

CLOSED BASIN (NO RUNOFF TO POND)

WATER SUMP

TRUCK DUMP

NONCOAL WASTE

MAIN CONTROL BUILDING

SUBSURFACE WATER STORAGE TANK 8000 GALLONS

DIESEL STORAGE TANK 17,000 GALLONS

OIL STORAGE SHACK

#1 CONVEYOR - 30" DUMP CONVEYOR

BELT MAGNET

#2 CONVEYOR - 30" CRUSHER CONVEYOR

SHAKER - CRUSHER

30" LUMP CONVEYOR

#3 CONVEYOR - 36" STACKER CONVEYOR

ESCAPE TUNNEL W/ FAN (SUBSURFACE)

5 CONVEYOR - 48"

4 CONVEYOR - 36" RADIAL STACKER

5 VIBRATING FEEDERS

COAL STORAGE

6 CONVEYOR - 60"

BURIED ELECTRICAL CABLE

RECLAIM TUNNEL (SUBSURFACE)

CONVEYOR

ASH ANALYZER

NON-FREEZING AGENT STORAGE TANK & SHACK

CONVEYOR BELT SCALES

CONTROL BUILDING & 200 TON CAPACITY SILO

DRIVE - THROUGH

REGRADED AREA

LOADING SPUR

MAIN LINE

SILT FENCE

SNOW FENCE

APPROXIMATE PERMIT AREA

COMPACT BERM

SILT FENCE

- ADDITIONAL PERMIT AREA, APPROX. 0.20 ACRES (AREA ADDED AS AN INCIDENTAL BOUNDARY CHANGE, PURSUANT TO A DIVISION ORDER NO. 91-A, ISSUED 08/26/91)

- ADDITIONAL PERMIT AREA, APPROXIMATELY 0.83 ACRES (AREA ADDED AS AN INCIDENTAL BOUNDARY CHANGE, PURSUANT TO "TDN" NO. X-89-02-107(2), ISSUED 6/13/89.)

- SMALL AREA EXEMPTION (AREA DISTURBED DURING CONSTRUCTION OF ELECTRICAL SUBSTATION.)

APPROXIMATE SURFACE DISTURBANCE

SNOW FENCE

HAULAGE ROAD

COMPACT BERM

SILT FENCE

TEMPORARY SCALE HOUSE

COMPACT BERM

SILT FENCE

RECEIVED
JAN 29 1993
DIVISION OF OIL GAS & MINING

Registered Professional Engineer No. 4023 R. B. WHITE Stats of Utah

I, being a professional engineer hereby certify that this map was prepared by me or under my direct supervision and that all information contained thereon is true and correct to the best of my knowledge and information.

NO.	DATE	BY	NO.	DATE	BY
7	06-20-91	J.P.	8	10-22-91	J.P.
6	10-10-90	BLP	9	12-18-92	S.V.
5	7-5-90	BLP			
4	3-6-90	BLP			

REVISIONS

NO.	DATE	BY
1	9-21-89	K.TEW
2	1-30-90	A.S.B.
3	8-22-89	BLP

Soldier Creek Coal Company

SOLDIER CANYON MINE

SCALE: 1"=50'

TITLE: BANNING LOADOUT RUNOFF CONTROL MEASURES

DRAWING NO. D-224 EXHIBIT 5.2-1

DRAWN BY E. FRANCO DATE NOV. 87

CHECKED R. B. WHITE DATE NOV. 87

APPROVED DATE

Prepared By ANALYTICAL SURVEYS, INC., 1935 Jamboree Drive - Suite 100, Colorado Springs, CO 80918