CO-OP MINING CO.

HUNTINGTON, UTAH

HYDROLOGY MAP

SCALE:	DRAWN BY:	DATE:
1" = 50'	C. Reynolds	7/17/91

BEAR CANYON | PLATE 7-1C

RECEIVED
MAY 25
DIV. OF OIL, GAS & MINING

DRAFT

STATE OF UTAH — No. 7900 — KIMLY C. MANGUM — REGISTERED PROFESSIONAL ENGINEER

REV.	DATE	REMARKS	APPR.
1	1/02/92	CATCH BASIN BY SHOP ADDED	7/22/92
2	4/30/92	DIST. BOUND. MOD. (DO-92C,NOV 91-35-8-1)	7/22/92
3	4/10/92	DITCH D-10D & D-10aD ADDED	7/20/92
4	4/22/92	B.T.C.A. AREA ADDRESSED (DO-92A)	10/29/92
5	11/16/92	TIPPLE EROSION PROPOSAL ADDED (92P)	12/04/92
6	7/08/93	Coal Storag Pad & Outslope Cleanup (93D)	9/14/93
7	7/12/93	Holst Rd. Redesignated/Surface Fac. Updated (93E)	9/16/93
8	10/06/93	D-13D Added/AD-8 Revised (93K) (NOV 8-1,6-1)	10/28/93
9	12/08/93	Antifreeze Storage Tank Added (93O)	12/17/93
10	4/20/94	Tank Seam Access Road Added (93B)	

LEGEND

- PERMIT BOUNDARY
- DISTURBED AREA
- PRE-1977 DISTURBANCE
- CULVERTS
- CONTOUR LINE (6980)
- WATER LINES (W)
- SECTION LINE
- SEE PLATES 2-4 FOR SURFACE FACILITIES
- UNDISTURBED DRAINAGE (D-2U)
- DISTURBED DRAINAGE (D-2D)
- DRAINAGE BOUNDARY
- SEE PLATE 7-6 FOR COMPLETE WATERSHED MAP

REFER TO TABLES 7.2-10 AND 7.2-11 FOR DITCH AND CULVERT SPECIFICATIONS

SCALE 1" = 50'
CONTOUR INTERVAL 2'
PHOTOGRAPHY DATE NOV. 11, 1990

N 392,250 E 2,114,000 N 392,500 N 392,750 N 393,000
N 391,500 N 391,750 E 2,114,250 E 2,114,500

MATCH LINE D-D
MATCH LINE B-B
MATCH LINE C-C

AU-2D AU-3 AU-4 AU-5 AU-6 AU-7 AU-11 AU-12 AU-13 AU-16
AD-1A AD-1B AD-2A AD-2B AD-2C AD-3A AD-3B AD-4 AD-5 AD-6 AD-7 AD-8 AD-9 AD-10 AD-11 AD-12 AD-13 AD-14

D-15U D-1U D-2U D-1D D-2D D-3D D-5D D-7D D-8D D-9U D-10aD D-13D
C-1U C-2U C-2D C-5D C-6D C-7D C-8D C-9D C-10D

B.T.C.A. AREA "A" INTERIM REVEGETATION 1991
B.T.C.A. AREA "B" INTERIM REVEGETATION 1991
B.T.C.A. AREA "C" INTERIM REVEGETATION 1992
B.T.C.A. AREA "D" INTERIM REVEGETATION 1991
B.T.C.A. AREA "E"
B.T.C.A. AREA "F"

STORAGE AREA
SILT FENCE
PRIMARY ROAD
5000 GAL. WATER TANK
PORTAL HAWATHA 1986
15" FLEXIBLE DOWNSPOUT
CATCH BASIN
TANK
GATE
PAVED PW ANGLE PARKING
INTAKE PORTAL HAWATHA 1986
RETAINING WALL
PRIMARY PORTAL ACCESS ROAD
INTERIM REVEGETATION 1992
INTERIM REVEGETATION 1991
TEST PLOTS
PRIMARY TIPPLE ACCESS ROAD
LEACH FIELD
CULINARY WATER OVERFLOW
WATER TANK
PRIMARY POND ACCESS ROAD
FUEL TANKS & BERM
RIP-RAPPED CHANNEL
PRIMARY SHOP ROAD
UPDES DISCHARGE POINT 004
TOPSOIL STOCKPILE
INTERIM REVEGETATION 1991
BERM
COAL SPRAY TANKS & BERM
COAL STORAGE AREA
COAL STORAGE AREA & SEDIMENT POND WASTE AREA
TRUCK LOADING
TEMPORARY SEDIMENT STORAGE
PRIMARY ROAD
ROAD TO OLD BEDROCK MINE & TUNNEL PATH
LUMP COAL STORAGE AREA
CEMENT PAD W/RETAINING WALL
BEAR CREEK