E 2,177,000 E 2,178,000 E 2,179,000 E 2,180,000 E 2,181,000 R9E R10E E 2,182,000 E 2,183,000

LEGEND

- EXISTING PERMITTED CASTLEGATE MINE SURFACE DISTURBANCE TO BE INCLUDED IN THE WILLOW CREEK MINE SURFACE DISTURBANCE AREA
- PROPOSED WILLOW CREEK MINE SURFACE DISTURBANCE AREA (Offset Where it Parallels Castlegate Boundary)
- UTAH POWER & LIGHT PROPERTY LINE
- GRAVEL CANYON PERMIT AREA BOUNDARY
- PRE-1977 DISTURBANCE AREA
- DRAINAGE BOUNDARIES
- UDSb-2b WILLOW CREEK MINE AREA UNDISTURBED DRAINAGE
- D-96 WILLOW CREEK MINE AREA DISTURBED DRAINAGE
- CGWS-U6 EXISTING CASTLE GATE MINE AREA UNDISTURBED DRAINAGE
- WILLOW CREEK BUFFER ZONE
- TH-01 GEOTECHNICAL TEST HOLE

GRAVEL CANYON
(See Map Key)

MAP KEY

ROYAL REFUSE PILE
BARN CANYON
SCHOOL HOUSE CANYON
EXISTING TRAIN LOADOUT
EXISTING SUBSTATION
GRAVEL CANYON TOPSOIL STOCKPILE
SEE INSET
SEE MAPS 16A & 16B FOR CURRENT DISTURBED AREA DRAINAGE BOUNDARIES, ETC. FOR THIS AREA
State Hwy 6 & 50
CGWS-U6
CGWS-U5
CGWS-U4
SED. POND 001
Price River
TH-13
D-97
TOPSOIL STOCKPILE
SED. POND 002
State Hwy 191
CARBON GENERATING STATION
NEW CREEK BED 900'
NEW CREEK BED 335'
Willow Creek
UP&L PROPERTY
CEMETERY
CEMETERY CANYON
CASTLE CANYON
Stone Jay Spur
TH-08
TH-12
TH-14
36
31
1
6
T 12 S
T 13 S
N 512,000
N 511,000
N 510,000
N 509,000
N 508,000

SCALE
200' 0 200' 400'
CONTOUR INTERVAL 10 FT.

NOTE:
THIS MAP IS BASED ON THE STATE PLANE COORDINATE SYSTEM AT SEA LEVEL DATUM, NAD 1927. FOR APPROXIMATE GROUND LEVEL DISTANCES MULTIPLY SCALED MAP DISTANCES BY 1.000274691. FOR APPROXIMATE MAP DISTANCES MULTIPLY GROUND LEVEL DISTANCES BY 0.999725350. FOR MORE ACCURATE CONVERSIONS REFER TO A CURRENT STATE PLANE COORDINATE MANUAL.

CERTIFICATION

COLORADO REGISTERED PROFESSIONAL ENGINEER 28431

PROFESSIONAL ENGINEER'S STATEMENT

I, Patrick G. Corser, state that this map was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, CO P.E. 28431

REFERENCE DRAWINGS

DWG. NO.	TITLE

SUPERSEDED EFFECTIVE NOV 06 19

APPROVALS

UTAH DIVISION OIL, GAS AND MINING

DEPT.	DATE	SIGNATURE/TITLE

No.	REVISION	DATE	BY	CHKD
4				
3	RE-ISSUE FOR PERMIT	1-31-96	KLC	JMN
2	ADD GEOTECHNICAL HOLES	12-95	KLC	JMN
1	ADD BUFFER ZONE	9-95	EWS	JMN
0	ISSUED FOR PERMIT	4-95	KLC	JMN

SCALE: AS SHOWN
DESIGN BY: J.NETTLETON
DRAWN BY: K.CONRATH
CHECK BY: J.NETTLETON
PROJECT No. 866-2200
FILE NAME: F-HYD.DWG

FEB 12 1996

CYPRUS Plateau Mining

PROJECT: WILLOW CREEK MINE

DRAWING TITLE: FACILITIES AREA HYDROLOGY MAP

TerraMatrix Engineering & Environmental Services
1970 West Oliver Road, P.O. Box 21008
Greenbrier Springs, Colorado 80917

Mine & Mill Engineering, Inc.

SHEET: 1 OF 1
DRAWING No.: MAP 16
REV.: 3