RECEIVED
MAY 24 1991
DIVISION OF
OIL, GAS & MINING

℄ CURVE #150 DATA
Δ = 30°20'00"
R = 231.82'
L = 122.73'
T = 62.84'
D = 24°42'55"

℄ CURVE #130 DATA
Δ = 37°00'00"
R = 121.55'
L = 78.49'
T = 40.67'
D = 47°08'16"

℄ CURVE #120 DATA
Δ = 24°43'57"
R = 342.08'
L = 147.66'
T = 75.00'
D = 16°44'57"

℄ CURVE #100 DATA
Δ = 44°49'57"
R = 190.85'
L = 149.33'
T = 78.72'
D = 30°01'19"

℄ CURVE #140 DATA
Δ = 67°20'00"
R = 112.60'
L = 132.33'
T = 75.00'
D = 50°53'04"

℄ CURVE #110 DATA
Δ = 41°24'34"
R = 224.98
L = 162.60
T = 85.03
D = 25°28'01"

℄ CURVE #90 DATA
Δ = 25°39'26"
R = 526.97'
L = 235.98'
T = 120.00'
D = 10°52'22"

END PROJECT Sta. 85+34.66

ROAD NOT CONSTRUCTED

DESIGNATED BORROW AREA 150' Dia.

ROAD NOT CONSTRUCTED

DESIGNATED BORROW AREA 150' Dia.

TOP SOIL PILE

SEE DWG. 085 FOR CONTINUATION

MATCH LINE

200' VERTICAL CURVE

EXISTING GRADE

PROPOSED GRADE

STA. 67+00 TO STA. 88+46.87

NOTE: This print is the property of Boyle Engineering Corporation and is not to be loaned, copied or reproduced in any form, or disclosed to unauthorized persons for any purpose without the written permission of Boyle Engineering Corporation. It shall be used only as a means of reference to work designed or furnished by us. It must be returned to us upon our request.

APPROVED: _____ DATE _____ CLIENT _____ DATE

THIS DRAWING IS PART OF:
PURCHASE ORDER(S) _____
(SUB) CONTRACT(S) _____

NO.	DFTMN	CH'KD.	SUPRV.	APPROVED	DATE	REVISION	REFERENCE DRAWINGS
1	GW				5/13/91	REVISED AS SHOWN	

DESIGNED BY D.R.A.
DRAWN BY G.WILSON
CHECKED BY
APP'D.

OFFICE SALT LAKE
DATE MAR. 5, 1981
SCALE 1"=100'-HORIZ. 1"=20'-VERT.

Boyle Engineering Corporation
consulting engineers/architects
Energy is our Business
268 West 400 South, Suite 301
Salt Lake City, Utah 84101

CLIENT
GENWAL COAL CO.

TITLE
PLAN & PROFILE
~MINE HAUL ROAD~
CRANDALL CANYON COAL MINE

DRAWING NO. SHEET 4 OF 9
PROJECT NO. 60!-C-007
REVISION NO. 1