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*
*   C Y P R U S   A N V I L   M I N I N G   C O R P O R A T I O N   *
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*****
*
*           SYSTEM = DDHDB
*           PROGRAM = DH025
*
*           FRI, MAY 24, 1985, 10:21 AM
*
*****
*
*           CALCULATION OF CROSS-SECTION COORDINATES
*           FROM A BASE-LINE, LEFT- AND RIGHT-OFFSETS,
*           AND A DISTANCE TO THE INTERSECTION POINT.
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CROSS-SECTIONS CORRESPOND TO VANGORDA DRILL GRID

- 1.) BASELINE (B/L) IS LOCATED ON PANEL 2
15.0 metres northeast (to the right) of the left edge of the panel.*
- 2.) EACH CROSS-SECTION CONSISTS OF 2 PANELS*

GENERATION OF CROSS-SECTION LIMITS FROM A BASE-LINE
 =====

	----- POINT-1 -----		----- POINT-2 -----
	NORTHING	EASTING	NORTHING
BASE-LINE COORDINATES =	903438.80	593932.02	903073.50
LEFT OFFSET =	360.00		
RIGHT OFFSET =	390.00		

CALCULATED CROSS-SECTION LIMITS

CROSS-SECTION	DISTANCE	----- POINT-L -----		----- POINT-R -----	
		NORTHING	EASTING	NORTHING	EASTING
06W	-182.70	903814.52	594079.73	903316.27	593519.15
04W	-121.80	903769.00	594120.18	903270.75	593559.60
02W	-60.90	903723.48	594160.64	903225.23	593600.06
00	.00	903677.96	594201.10	903179.71	593640.52
02E	60.90	903632.44	594241.56	903134.19	593680.98
04E	121.80	903586.92	594282.01	903088.67	593721.43
06E	182.70	903541.40	594322.47	903043.15	593761.89
08E	243.60	903495.88	594362.93	902997.64	593802.35
10E	304.50	903450.36	594403.39	902952.12	593842.81
12E	365.40	903404.84	594443.84	902906.60	593883.26
14E	426.30	903359.32	594484.30	902861.08	593923.72
16E	487.20	903313.80	594524.76	902815.56	593964.18
18E	548.10	903268.29	594565.22	902770.04	594004.64
20E	609.00	903222.77	594605.67	902724.52	594045.09
22E	669.90	903177.25	594646.13	902679.00	594085.55
24E	730.80	903131.73	594686.59	902633.48	594126.01
26E	791.70	903086.21	594727.05	902587.96	594166.47
28E	852.60	903040.69	594767.51	902542.44	594206.92
30E	913.50	902995.17	594807.96	902496.92	594247.38

"BL" USED FOR LONG SECTIONS = 14E

GENERATION OF CROSS-SECTION LIMITS FROM A BASE-LINE (=4E)
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	----- POINT-1 -----		----- POINT-2 -----
	NORTHING	EASTING	NORTHING EASTING
BASE-LINE COORDINATES =	902861.08	593923.72	903359.32 594484.30
LEFT OFFSET =	563.10		
RIGHT OFFSET =	511.90		

CALCULATED CROSS-SECTION LIMITS

CROSS-SECTION	DISTANCE	----- POINT-L -----	----- POINT-R -----
		NORTHING EASTING	NORTHING EASTING
04S ✓	268.20	903460.14 593750.10	902656.63 594464.25
03S ✓	298.65	903480.37 593772.86	902676.86 594487.01
02S ✓	329.10	903500.60 593795.62	902697.09 594509.77
01S ✓	359.55	903520.82 593818.38	902717.32 594532.53
00N ✓	390.00	903541.05 593841.14	902737.55 594555.29
01N ✓	420.45	903561.28 593863.90	902757.78 594578.05
02N ✓	450.90	903581.51 593886.66	902778.01 594600.81
03N ✓	481.35	903601.74 593909.42	902798.24 594623.57
04N	511.80	903621.97 593932.18	902818.46 594646.33

used for Long sections called:

04 SOUTH to 04 NORTH (incl)

1200.00 m to 950 m vertical range

Scale 500.00

offset 5.0

Panel 1 starts 15.0 m NW of 04W extends to 5.4 m NW of 08E includes (4W to 7E)

Panel 2 starts 0.05 m SE of 07E extends to 9.65 m SE of 19E includes (8E to 19E)

Panel 3 starts 15.35 m NW of 19E extends to 24.7 m SE of 30E (includes 19E-30E)

GENERATION OF CROSS-SECTION LIMITS FROM A BASE-LINE = 00N
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	----- POINT-1 -----	----- POINT-2 -----
	NORTHING EASTING	NORTHING EASTING
BASE-LINE COORDINATES =	903438.80 593932.02	903073.50 594256.70
LEFT OFFSET =	185.00	
RIGHT OFFSET =	185.00	

----- CALCULATED CROSS-SECTION LIMITS -----

CROSS-SECTION	DISTANCE	#2 POINT-L		#1 POINT-R	
		NORTHING	EASTING	NORTHING	EASTING
		607.22	029.84	361.42	3753.29 ← 593753.29
02 WEST	60.90 ✓	903 273.88	594 288.78	903 273.88	59 3834.20
00 EAST	.00 ✓	903561.70	594070.30	903315.90	593793.74
02 EAST	60.90 ✓	903516.18	594110.75	903270.38	593834.20
04 EAST	121.80 ✓	903470.66	594151.21	903224.86	593874.66
06 EAST	182.70 ✓	903425.14	594191.67	903179.34	593915.12
08 EAST	243.60 ✓	903379.62	594232.13	903133.82	593955.57
10 EAST	304.50 ✓	903334.10	594272.58	903088.30	593996.03
12 EAST	365.40 ✓	903288.59	594313.04	903042.78	594036.49
14 EAST	426.30 ✓	903243.07	594353.50	902997.27	594076.95
16 EAST	487.20 ✓	903197.55	594393.96	902951.75	594117.40
18 EAST	548.10 ✓	903152.03	594434.41	902906.23	594157.86
20 EAST	609.00 ✓	903106.51	594474.87	902860.71	594198.32
22 EAST	669.90 ✓	903060.99	594515.33	902815.19	594238.78
24 EAST	730.80 ✓	903015.47	594555.79	902769.67	594279.23
26 EAST	791.70 ✓	902969.95	594596.25	902724.15	594319.69
28 EAST	852.60 ✓	902924.43	594636.70	902678.63	594360.15

used for calculation of
 cross sections centered
 on BL 0N and
 extending 185m N's

These sections called
 02EAST to avoid
 confusion with 02E which
 are still in the machine

Scale 1:500
 offset 10.0m

only one panel,

GENERATION OF CROSS-SECTION LIMITS FROM A BASE-LINE

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	----- POINT-1 -----		----- POINT-2 -----	
	NORTHING	EASTING	NORTHING	EASTING
BASE-LINE COORDINATES =	903438.80	593932.02	903073.50	594256.70
LEFT OFFSET =	185.00			
RIGHT OFFSET =	185.00			

CALCULATED CROSS-SECTION LIMITS

CROSS-SECTION	DISTANCE	----- POINT-L -----		----- POINT-R -----	
		NORTHING	EASTING	NORTHING	EASTING
02 WEST	-60.90	903607.22	594029.84	903361.42	593753.29
00 EAST	.00	903561.70	594070.30	903315.90	593793.74