

Jerry H.

NADAHINI MINING CORP.
THREE YEAR MINING PLAN
1988, 1989, 1990

NADAHINI COAL MINE
Km. 9 Ross River Access Road
Yukon Territory

**Yukon
Engineering
Services**

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NADAHINI MINING CORP.
THREE YEAR MINING PLAN
1988, 1989, 1990

NADAHINI COAL MINE
Km. 9 Ross River Access Road
Yukon Territory

LAND USE APPLICATION
APPENDIX A
February, 1988

**Yukon
Engineering
Services**

NADAHINI MINING CORP.
Three Year Mining Plan
Nadahini Coal Mine
Land Use Application

APPENDIX A

BACKGROUND INFORMATION:

Nadahini Mining Corp. is a Yukon company, owned and operated by three Yukon residents. Presently, the main endeavour of Nadahini is the mining of coal, which is sold to Curragh Resources to provide energy to heat and dry concentrates at the Faro lead-zinc mill. The mill consumes 20,000 tonnes of coal annually, valued at approximately \$1,700,000.00.

Nadahini began its coal mining operations at Ross River in 1986. The mine was initially a tenuous operation, as neither the quality nor quantity of the coal was proven. A plan devised a number of years ago by Cyprus Anvil Mining Corp., was adopted. This plan called for restoration to begin in the third year of operation. An intention to provide a reclamation plan prior to year two was expressed.

In order to determine the extent of the mineable reserves, Nadahini contracted the services of Midnight Sun Drilling of Whitehorse, to drill some exploratory holes in the Fall of 1987. This program indicated that the coal seams extend in a relatively uniform fashion from the current elevation to at least the approximate elevation of the Ross River Access Road. (See App.B, Section A-A, B-B, C-C)

There are numerous known coal deposits in the Yukon

Territory, but it is believed that the Ross River deposit is the only economical source that is of an acceptable quality, and of a viable quantity.

PROPOSAL:

Nadahini proposes to proceed with a modified plan (See App. B) adjusted to fit the more detailed information that has been obtained regarding the extent and location of the seams. It is estimated that an additional 100,000 Tonnes is recoverable at competitive prices.

The coal seams at the northern limit of the deposit were narrow and were mined to their economic limit in year one. The excavation is being backfilled with waste rock overburden, and when this is complete, restoration will be done by spreading fine grained materials over most of the area. (See App.B: Three Year Mining and Reclamation Plan.) Seeding of this area would follow. NOTE: The stockpile may have to be supplemented by partially excavating sources that exist in the vicinity, as very little useable organic material was recovered from the portion of the mine that is now partially backfilled.

In order to facilitate minimal final disturbance of the terrain, excavation of the coal in years Three and Four would take place along the southern slope of the mine, in areas 2 and 2a. There is considerable organic overburden in these areas. This would be salvaged and stockpiled along

the east and west limits of the proposed excavation. Most of the blast rock overburden would then be placed for the eventual improvement of vertical and horizontal alignments of the adjacent public highway. These improvements would be undertaken by others, however the initial placement of the rock will be under the guidance of the Yukon Government Highways Engineering Department. (App.B: Dwg. SP-1, SP-2, SP2a, and Three Year Mining and Reclamation Plan)

Year Four would see the commencement of the backfilling of the southern portions of Areas 2 and 2a, using some of the waste rock from Area 2a.

In Year Five, excavation of Area 3 would begin, and all waste rock would be used to restore Areas 2 and 2a. Fine grained materials would then be spread throughout the Areas. Seeding would follow. (App.B: SP-3, and Three Year Mining and Reclamation Plan)

NOTE: Year One 1986
Year Two 1987
Year Three 1988
Year Four 1989
Year Five 1990

ATTACHMENTS: Land Use Application APPENDIX B (Plans and Drawings)

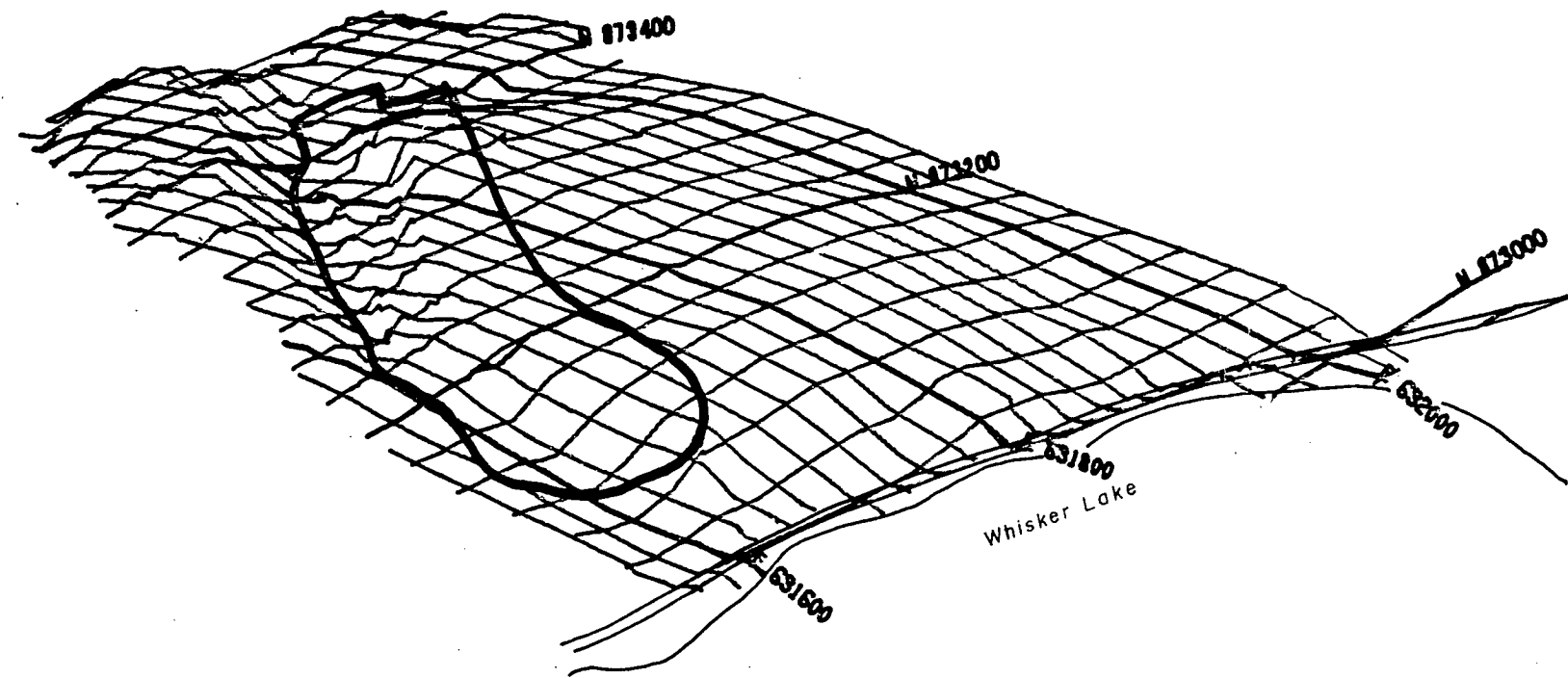
NADAHINI MINING CORP.
THREE YEAR MINING PLAN
1988, 1989, 1990

NADAHINI COAL MINE
Km. 9 Ross River Access Road
Yukon Territory

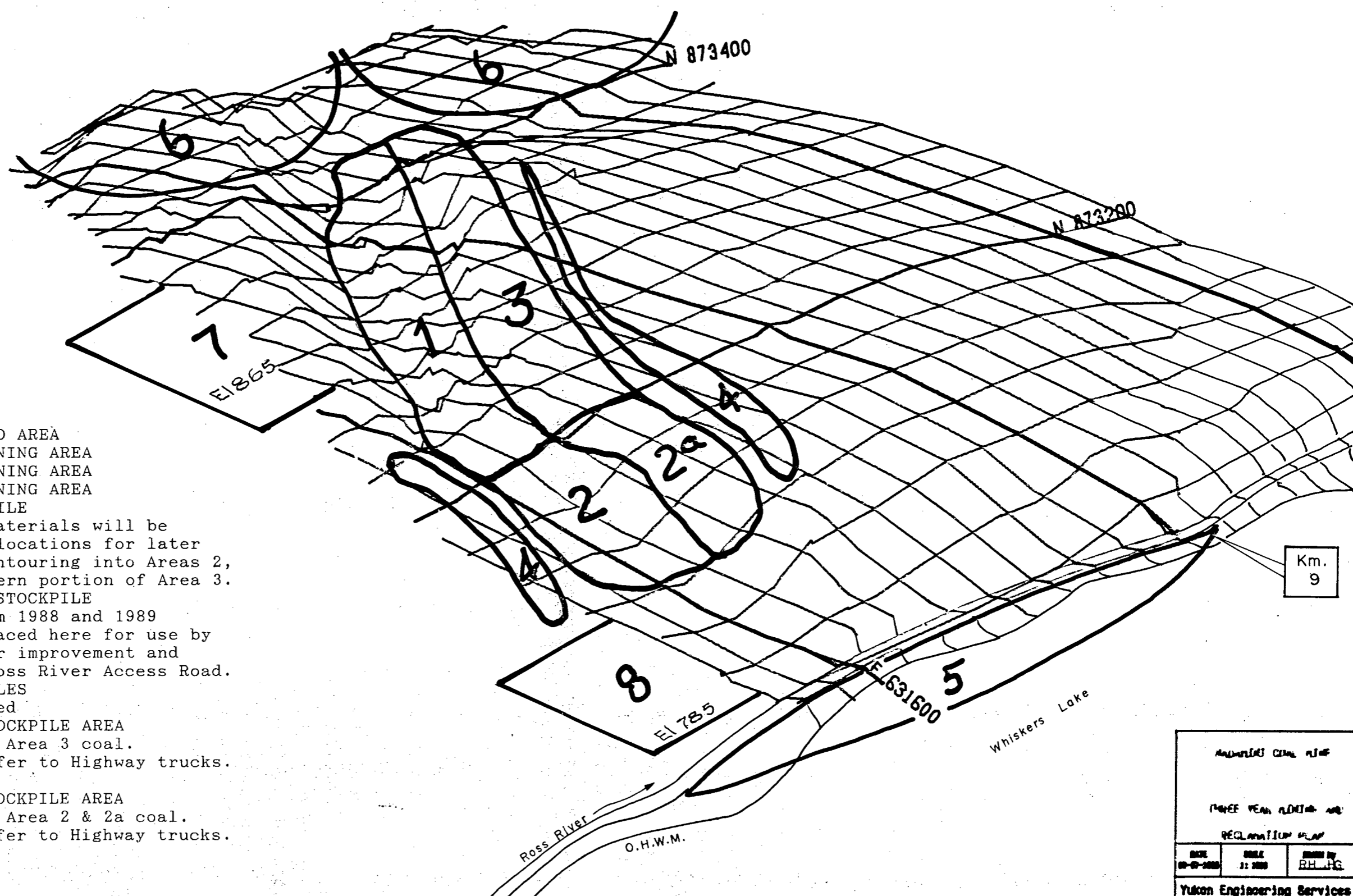
LAND USE APPLICATION
APPENDIX B
Plans and Drawings
February, 1988

**Yukon
Engineering
Services**

NADAHINI MINING CORP. 3 YEAR MINING PLAN 1988, 1989, 1990



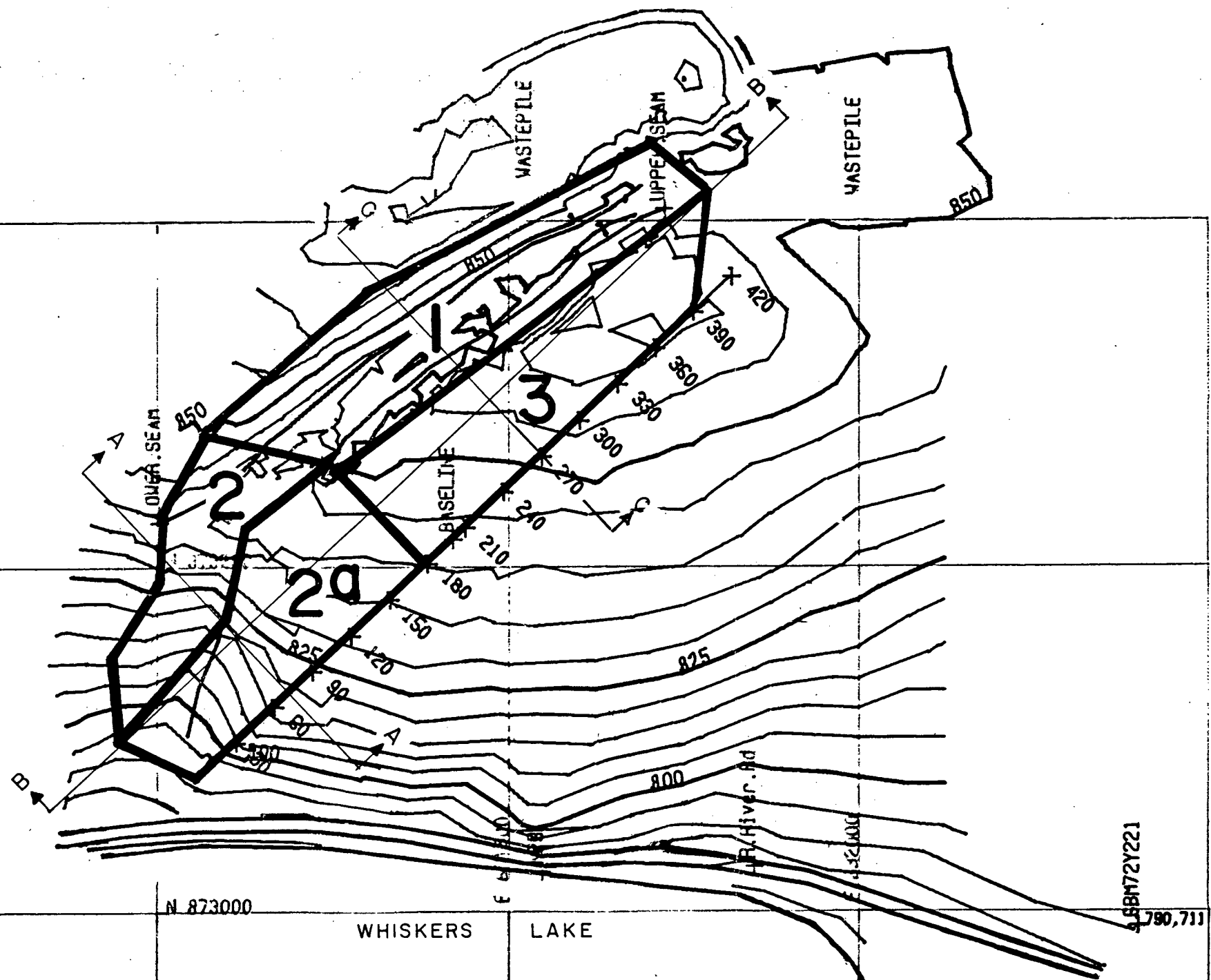
NADAHINI COAL MINE
Km. 9 ROSS RIVER ACCESS RD.



NOTES:

- 1 1986 - 1987 MINED AREA
- 2 1988 PROPOSED MINING AREA
- 2a 1989 PROPOSED MINING AREA
- 3 1990 PROPOSED MINING AREA
- 4 STRIPPING STOCKPILE
 - fine grained materials will be placed in these locations for later spreading and contouring into Areas 2, 2a and the southern portion of Area 3.
- 5 WASTE ROCK BERM STOCKPILE
 - blast rock from 1988 and 1989 seasons to be placed here for use by others, for later improvement and realignment of Ross River Access Road.
- 6 EXISTING WASTEPILES
 - to be stockpiled
- 7 EXISTING COAL STOCKPILE AREA
 - to be used for Area 3 coal.
 - used for transfer to Highway trucks.
- 8 PROPOSED COAL STOCKPILE AREA
 - to be used for Area 2 & 2a coal.
 - used for transfer to Highway trucks.

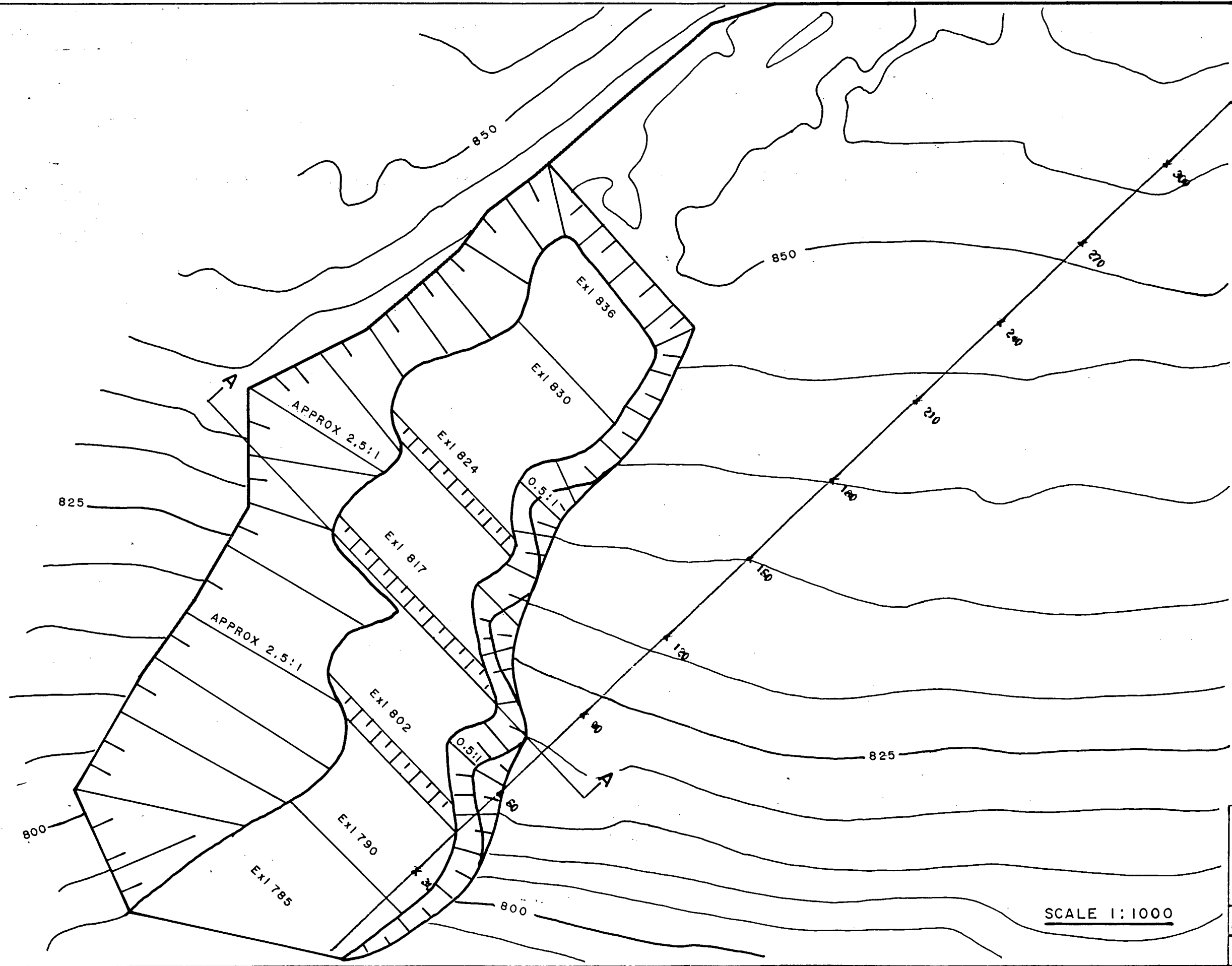
MINING PLAN		
THREE YEAR RECLAMATION PLAN		
RECLAMATION PLAN		
DATE 02-02-2000	SCALE 1:1000	DRAWN BY R.H.H.G.
Yukon Engineering Services		



NOTES:

- 1 1986-1987
MINED AREA
- 2 1988-1989
PROPOSED MINING AREA
(DRG.: SP-2 and 2a)
- 3 1989-1990
PROPOSED AREA OF
OPERATION
(DRG.: SP-3)

MADAHINI COAL MINE		
1988 - 1990 Mining Plan		
Site Plan (Dwg SP-1)		
DATE 09-04-1988	SCALE 1:2000	DRAWN BY RH/EG
Yukon Engineering Services		

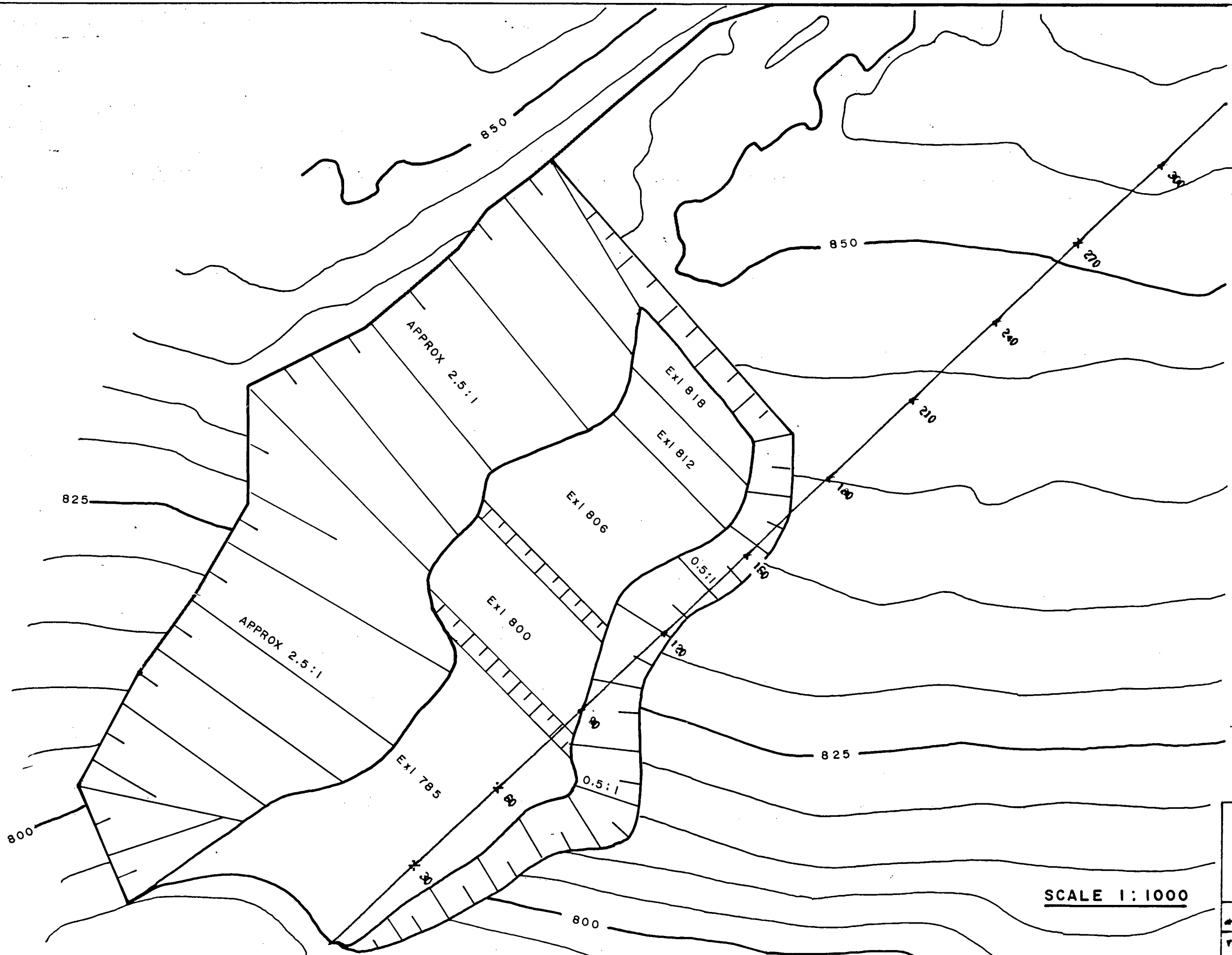


MADAHADI COAL MINE
 1988 MINING PLN.
 1986 - 1990 MINING PLAN
 DMS 88-2

DATE 2-10-88	SCALE 1: 000	DESIGNED BY RHJHG
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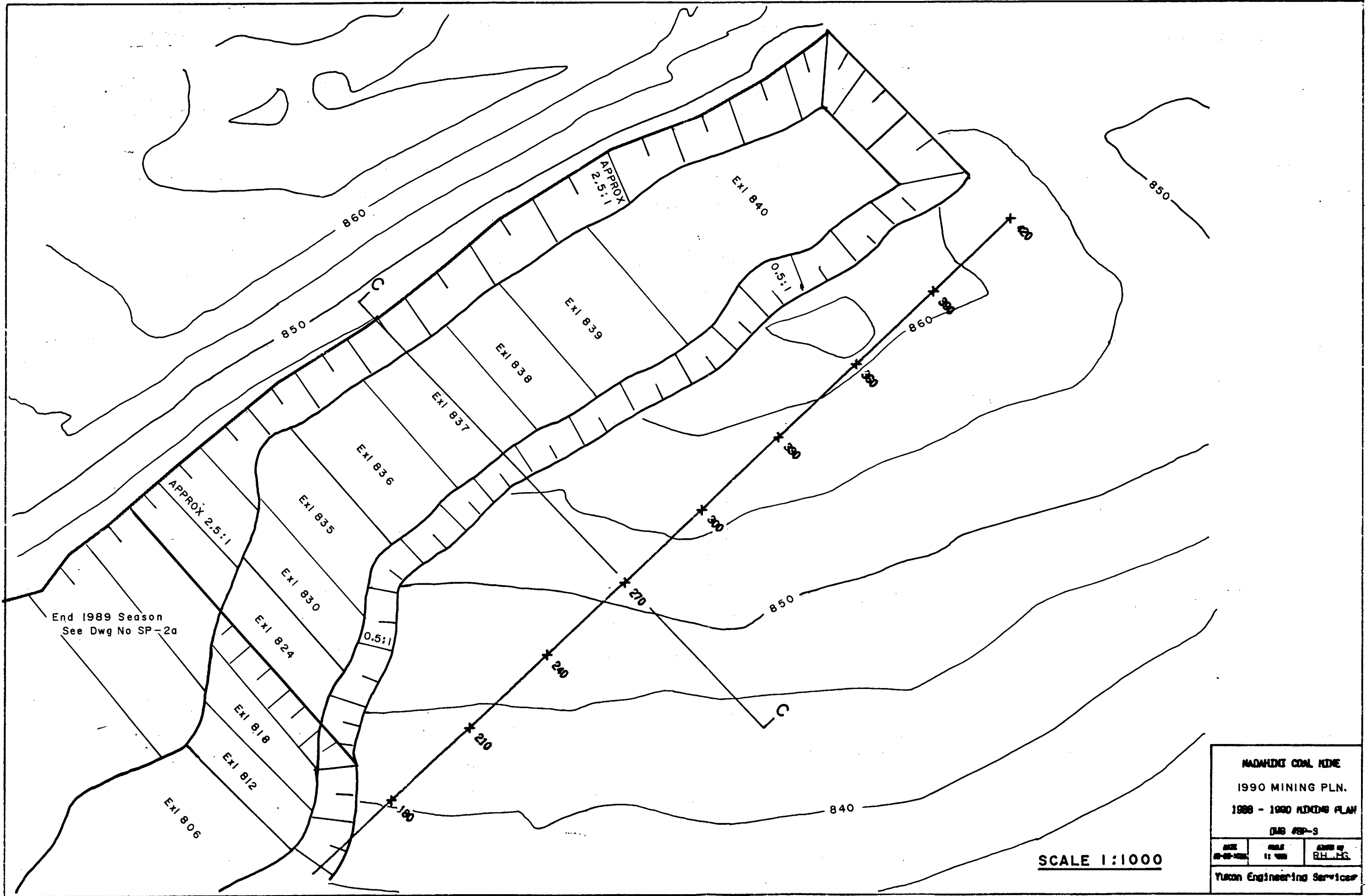
Vision Engineering Services

SCALE 1:1000



SCALE 1:1000

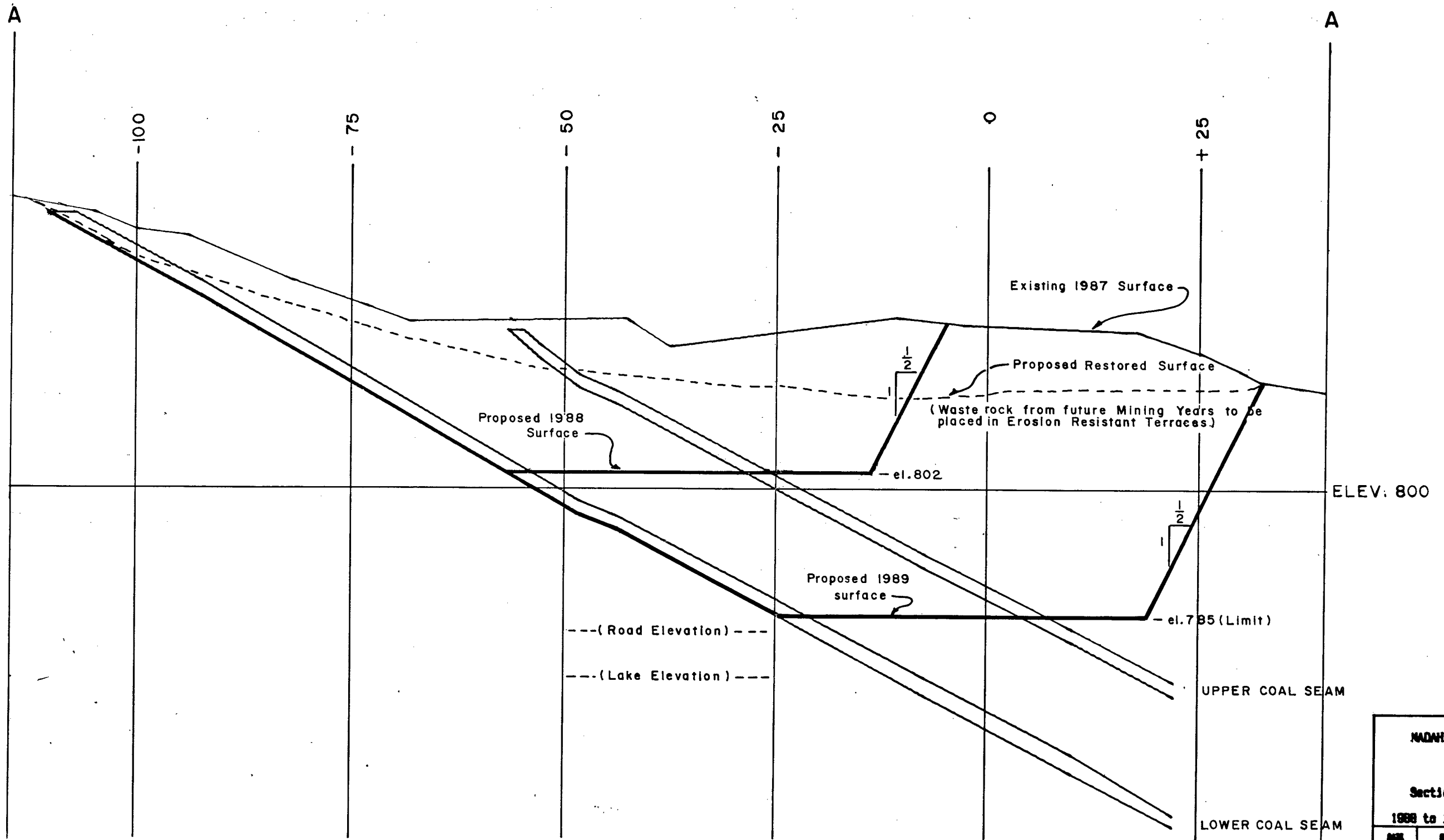
MADALINI COAL MINE		
1989 MINING PLN.		
1988 - 1990 MINING PLAN		
DATE: 08-28		
DESIGNED BY	CHECKED BY	DATE
		08.1989
VISION ENGINEERING SERVICES		



End 1989 Season
See Dwg No SP-2a

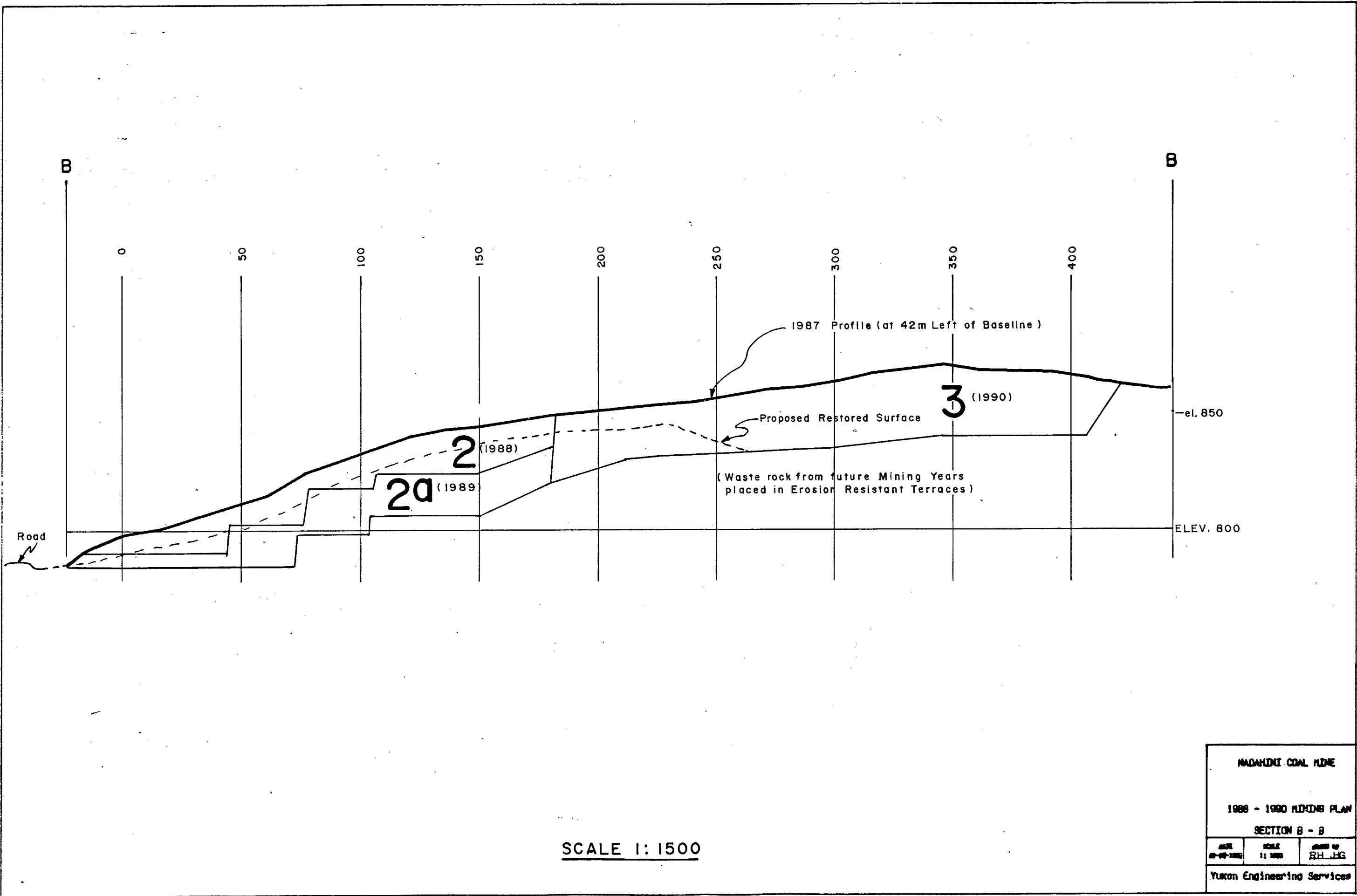
NADAHINI COAL MINE		
1990 MINING PLAN		
1988 - 1990 MINING PLAN		
DMS #SP-3		
DATE 07-09-1989	SCALE 1:1000	DESIGNED BY R.H. J.G.
Yukon Engineering Services		

SCALE 1:1000



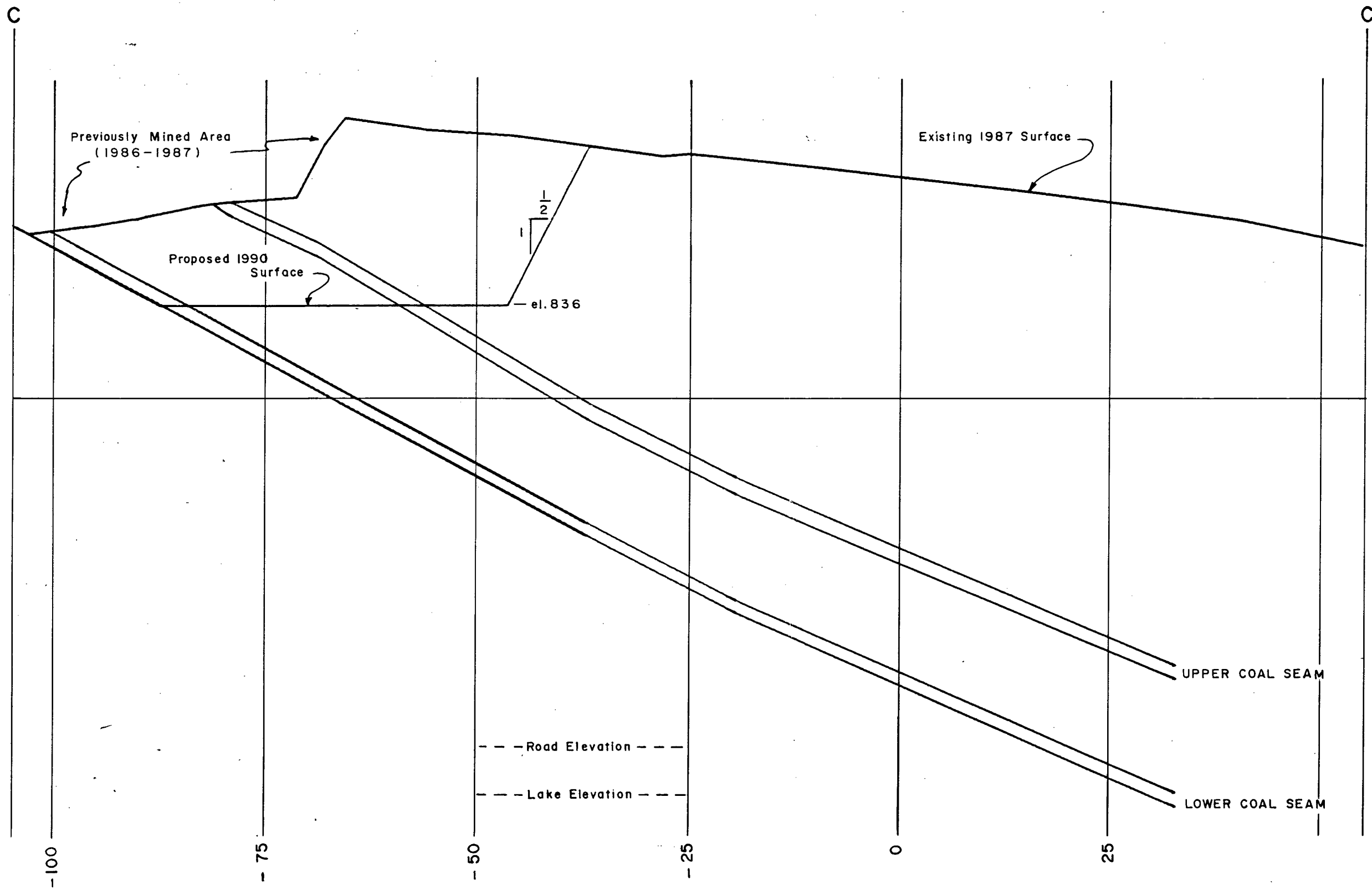
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NADAHIDI COAL MINE		
Section A-A (0+075)		
1988 to 1990 Mining Plan		
DATE 02-02-1988	SCALE 1: 500	DRAWN BY R.H.S. J.S.R.
Yukon Engineering Services		



SCALE 1: 1500

NADANIKI COAL MINE		
1988 - 1990 MINING PLAN		
SECTION B - B		
DATE 02-02-1988	SCALE 1: 1500	DRAWN BY RH, JHG
Yukon Engineering Services		



SCALE 1:500

MADAWATI COAL MINE		
Section C-C (0+270)		
1988 to 1990 Mining Plan		
DATE 2-2-90	SCALE 1:500	DRAWN BY R.H.J.G.
Yuson Engineering Services		

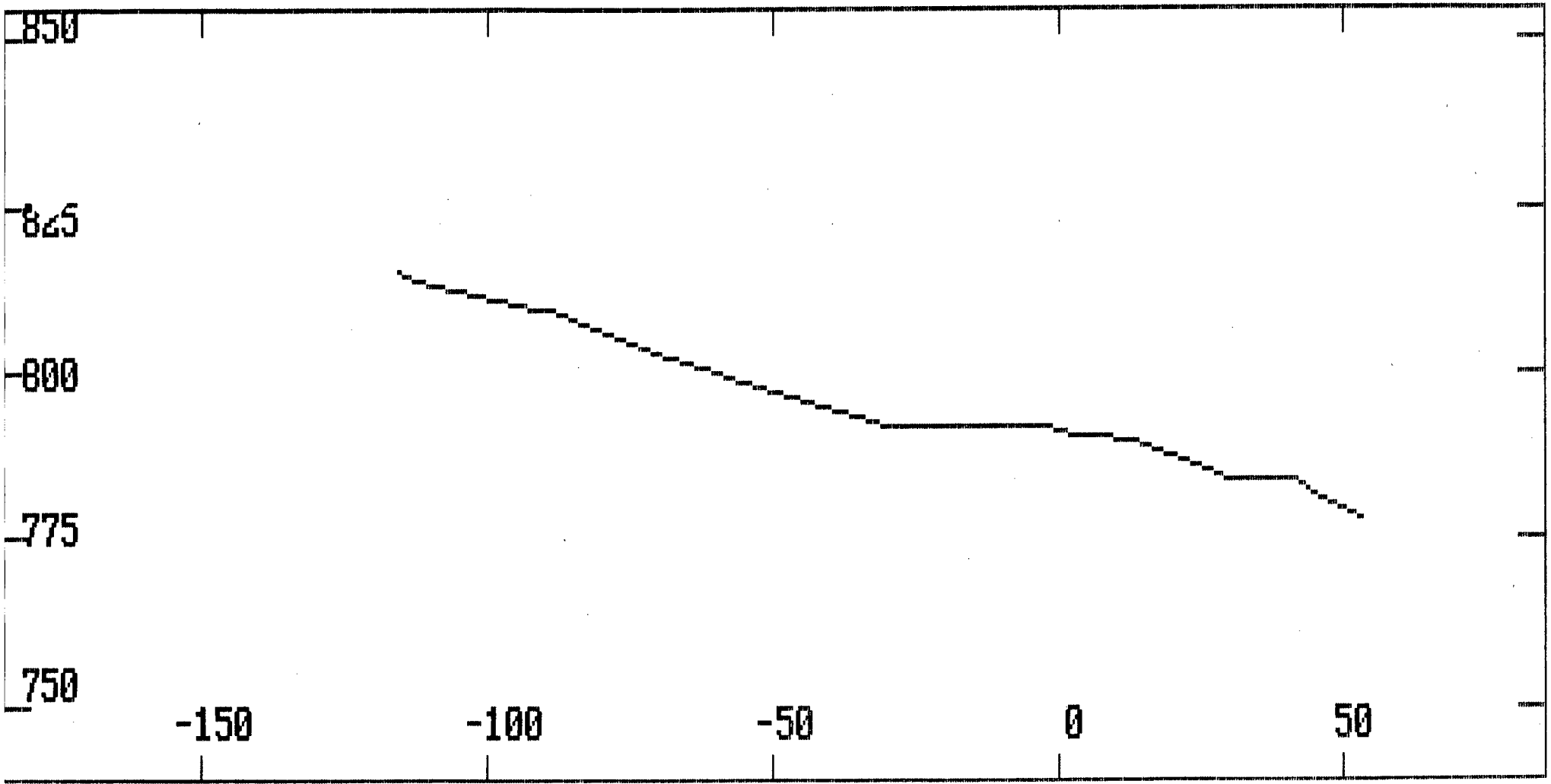
Volumes, Strip Ratios, Cross - Section Plots
Year Three (1988)

BASE STATION	ALTER. STATION	MATERIAL CLASS	END AREA	UNADJUSTED INCR	ACCUM	MULT FCTR	ADJUSTED INCR	ACCUM	MASS ORDINATE
0	0	O-BURDEN	0.0	0	0	1.00	0	0	0
		U-COAL	0.0	0	0	1.00	0	0	
		U-BURDEN	0.0	0	0	1.00	0	0	
		L-COAL	0.0	0	0	1.00	0	0	
15	15	O-BURDEN	207.0	1553	1553	1.00	1553	1553	5886
		U-COAL	24.4	183	183	1.00	183	183	
		U-BURDEN	484.0	3630	3630	1.00	3630	3630	
		L-COAL	69.4	521	521	1.00	521	521	
30	30	O-BURDEN	537.6	5585	7137	1.00	5585	7137	20626
		U-COAL	45.6	525	709	1.00	525	709	
		U-BURDEN	500.5	7384	11013	1.00	7384	11013	
		L-COAL	96.7	1246	1766	1.00	1246	1766	
45	45	O-BURDEN	616.3	8654	15791	1.00	8654	15791	38796
		U-COAL	47.9	701	1410	1.00	701	1410	
		U-BURDEN	488.9	7421	18434	1.00	7421	18434	
		L-COAL	89.3	1395	3161	1.00	1395	3161	
46	46	O-BURDEN	137.9	377	16168	1.00	377	16168	39634
		U-COAL	10.5	29	1439	1.00	29	1439	
		U-BURDEN	230.9	360	18794	1.00	360	18794	
		L-COAL	53.3	71	3233	1.00	71	3233	
60	60	O-BURDEN	238.2	2633	18801	1.00	2633	18801	47457
		U-COAL	22.9	233	1673	1.00	233	1673	
		U-BURDEN	361.4	4146	22940	1.00	4146	22940	
		L-COAL	62.6	811	4044	1.00	811	4044	
75	75	O-BURDEN	560.5	5991	24792	1.00	5991	24792	62145
		U-COAL	46.0	517	2189	1.00	517	2189	
		U-BURDEN	574.2	7017	29957	1.00	7017	29957	
		L-COAL	92.5	1163	5207	1.00	1163	5207	
76	76	O-BURDEN	57.5	309	25101	1.00	309	25101	62957
		U-COAL	5.9	26	2215	1.00	26	2215	
		U-BURDEN	234.9	405	30361	1.00	405	30361	
		L-COAL	53.3	73	5280	1.00	73	5280	
90	90	O-BURDEN	213.8	1899	27001	1.00	1899	27001	70988
		U-COAL	21.0	189	2404	1.00	189	2404	
		U-BURDEN	495.7	5114	35475	1.00	5114	35475	
		L-COAL	65.1	829	6108	1.00	829	6108	
105	105	O-BURDEN	434.3	4861	31861	1.00	4861	31861	85479
		U-COAL	38.6	447	2851	1.00	447	2851	
		U-BURDEN	606.8	8269	43744	1.00	8269	43744	
		L-COAL	56.9	915	7023	1.00	915	7023	

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Temp. Left 0

STATION 0.0
Temp. Right 0

DATE: 88.02.03
Vertical Scale 1: 1000

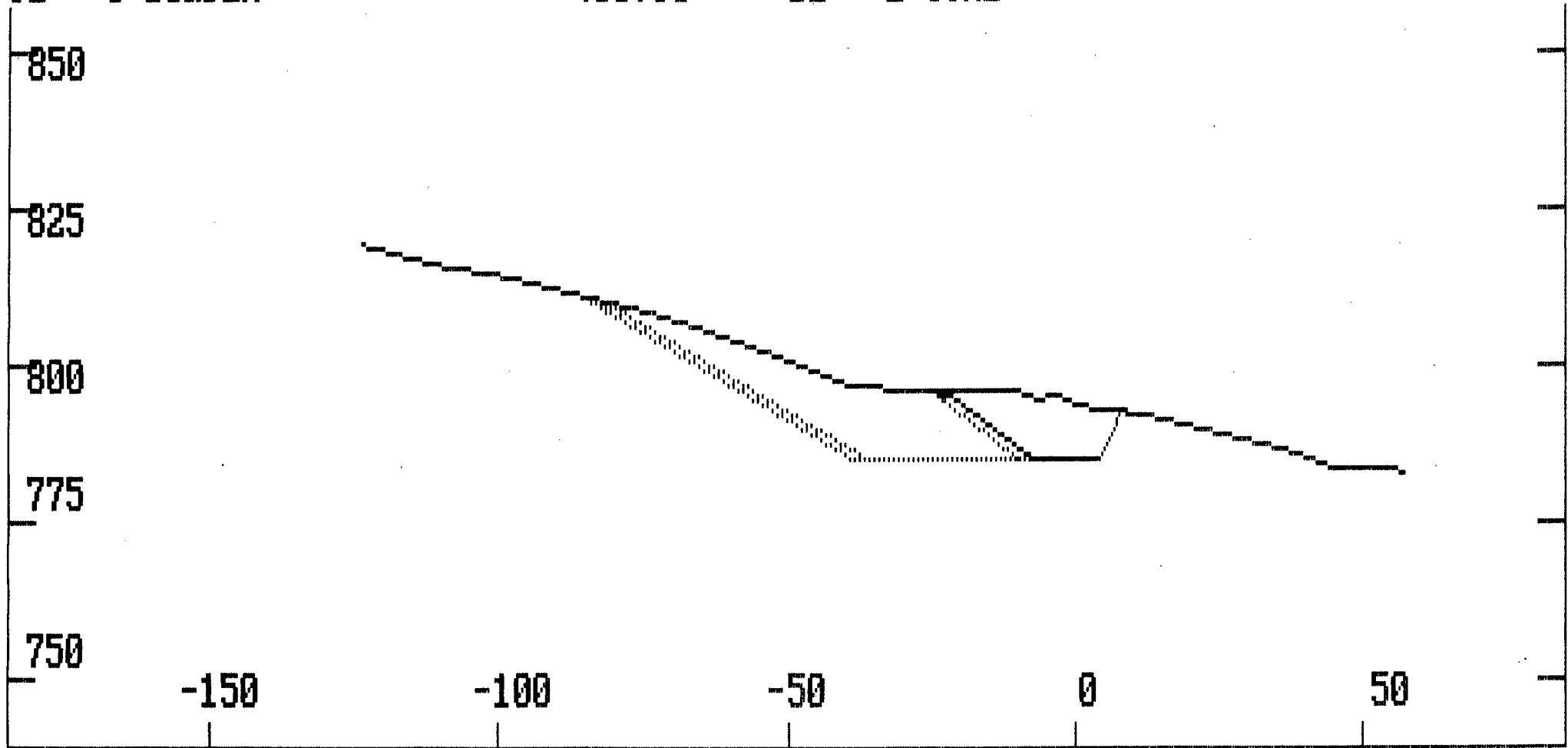


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Temp. Left 0 Temp. Right 0

STATION 15.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	207.01	BU	U-COAL	24.43
TL	U-BURDEN	483.95	BL	L-COAL	69.43

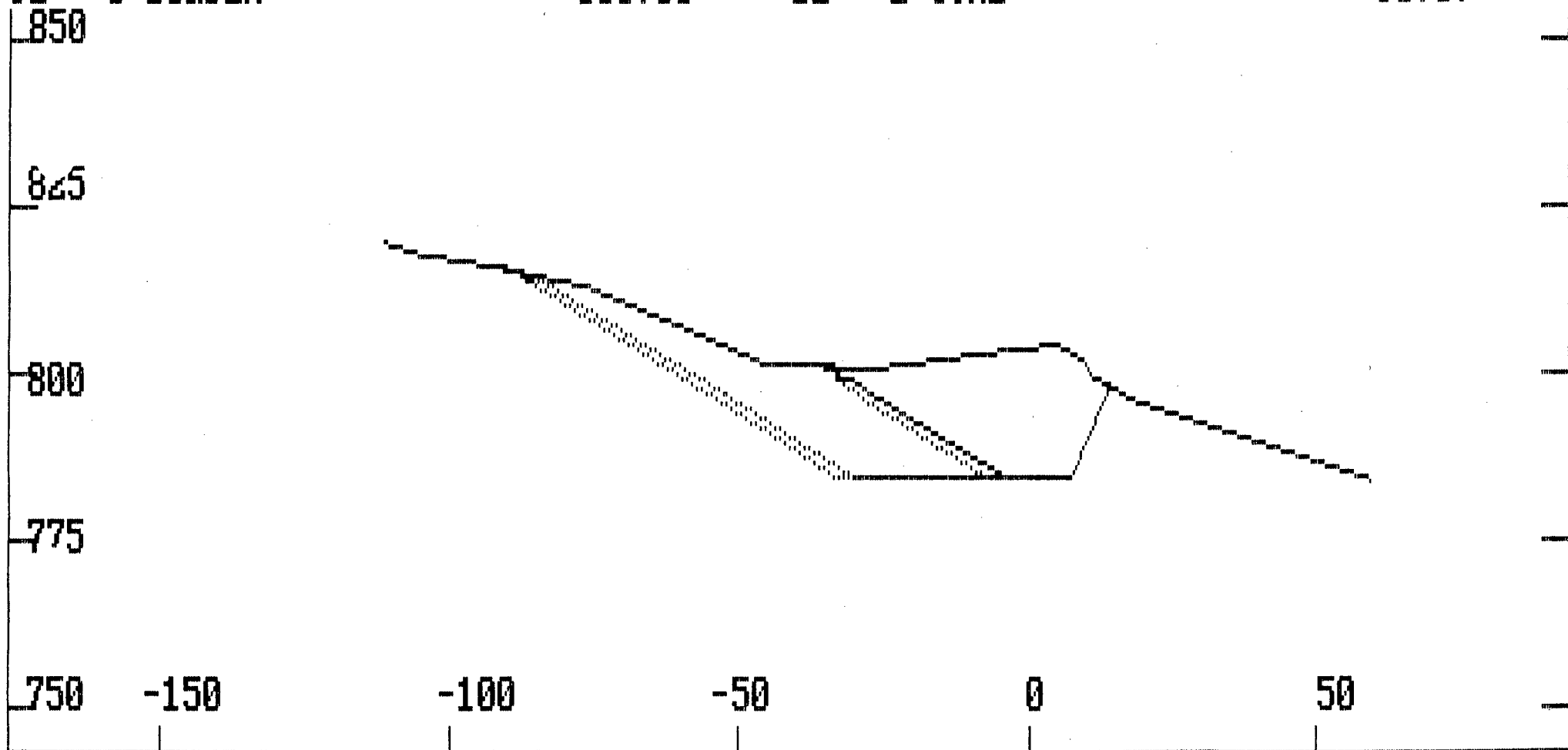


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Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 30.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	0-BURDEN	537.59	BU	U-COAL	45.63
TL	U-BURDEN	500.55	BL	L-COAL	96.67

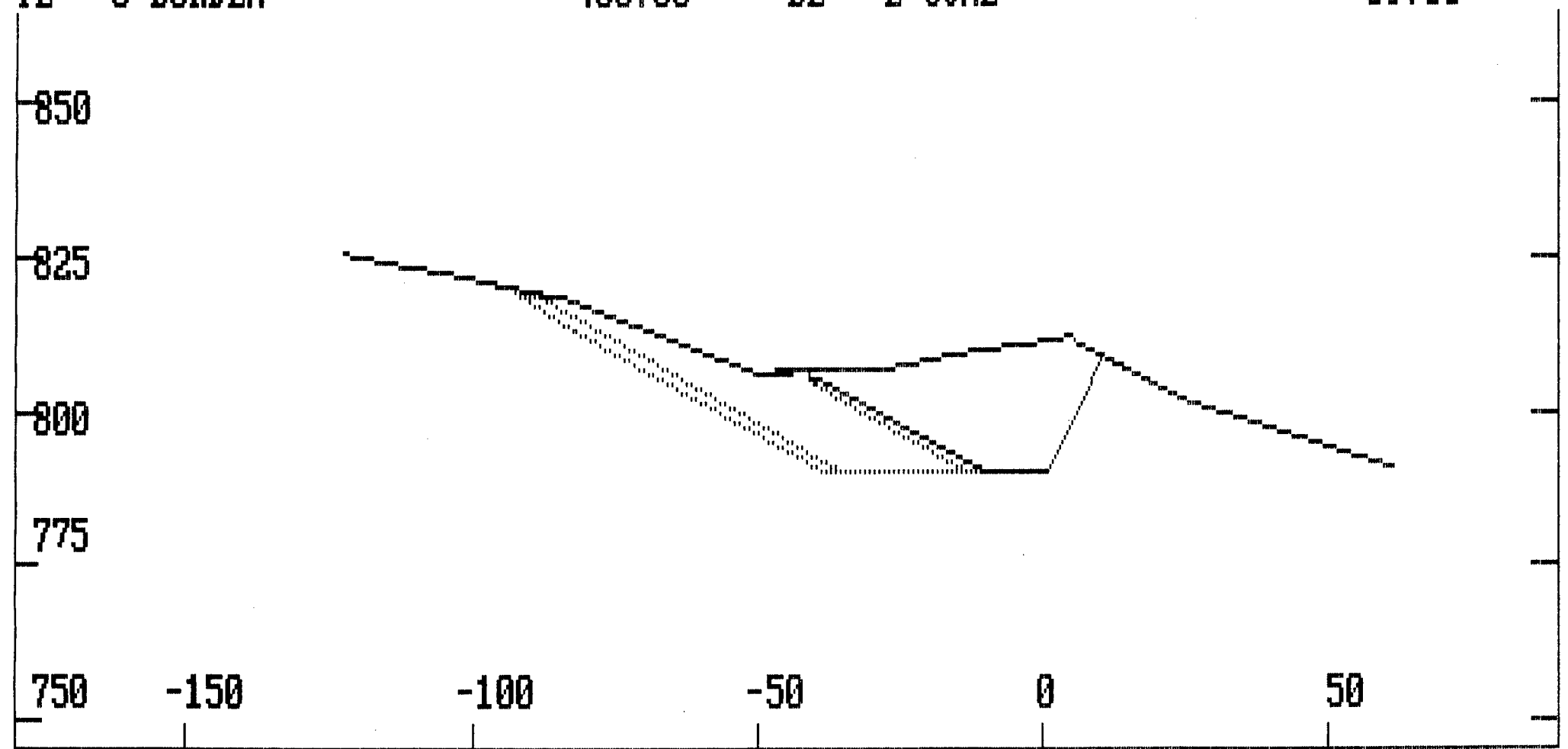


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STATION 45.0
Temp. Right 0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	616.28	BU	U-COAL	47.88
TL	U-BURDEN	488.85	BL	L-COAL	89.33



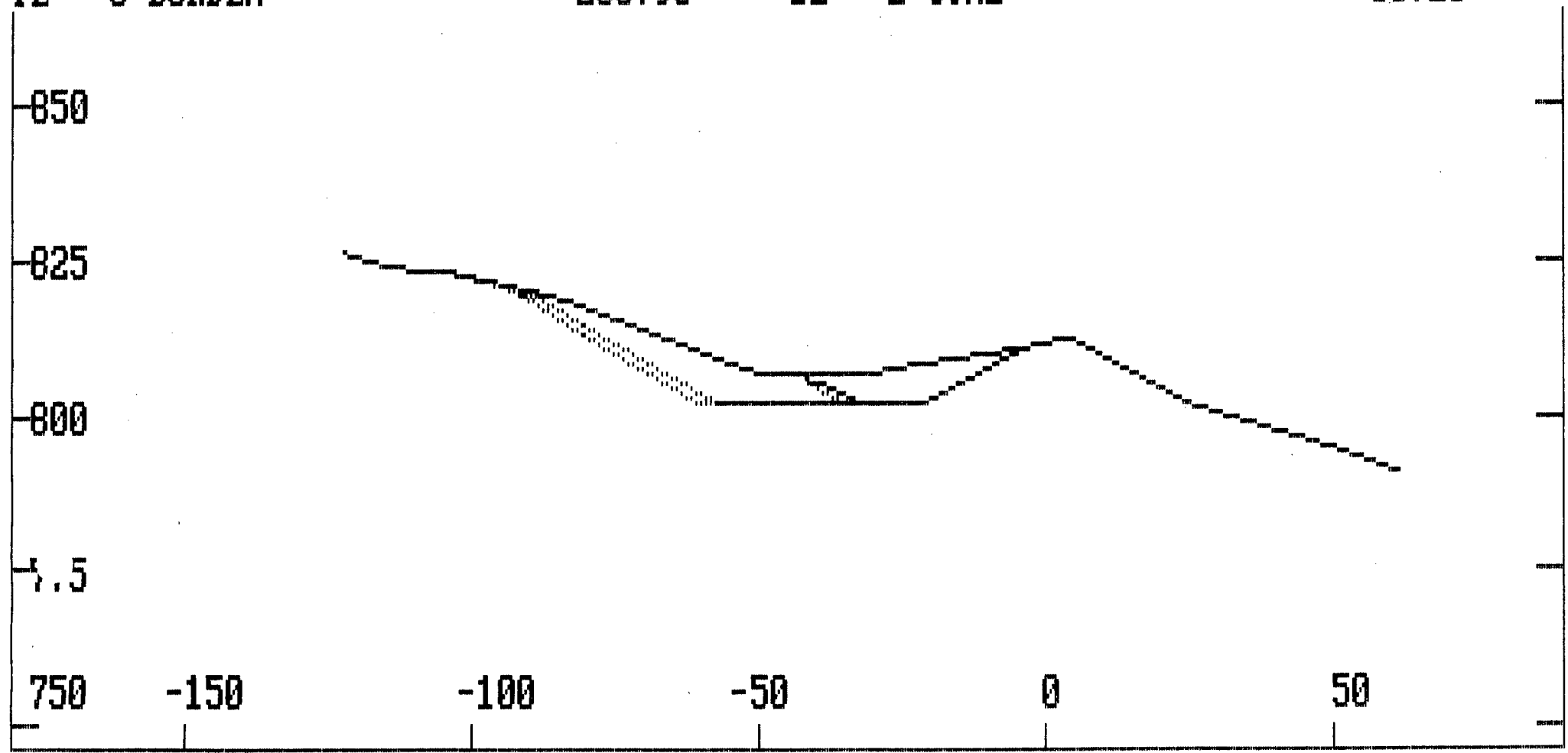
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DATE: 88.02.03
Vertical Scale 1: 1001

Temp. Right 0

TU	O-BURDEN	137.95	BU	U-COAL	10.49
TL	U-BURDEN	230.90	BL	L-COAL	53.25



Project: 882a

STATION

60.0

DATE: 88.02.03

Horizontal Scale 1: 1200

Vertical Scale 1: 1000

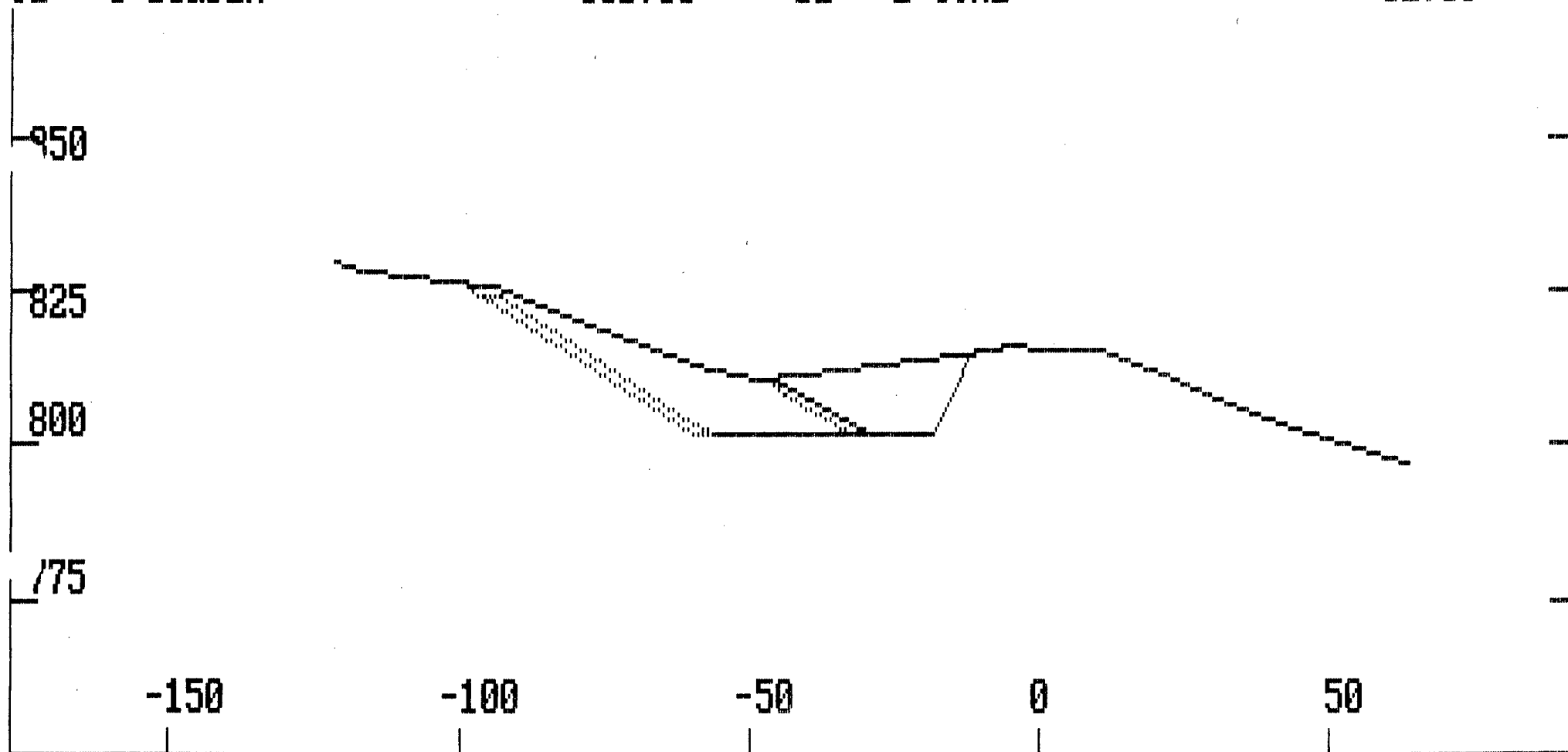
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TU O-BURDEN
TL U-BURDEN

238.23
361.38

BU U-COAL
BL L-COAL

22.86
62.59

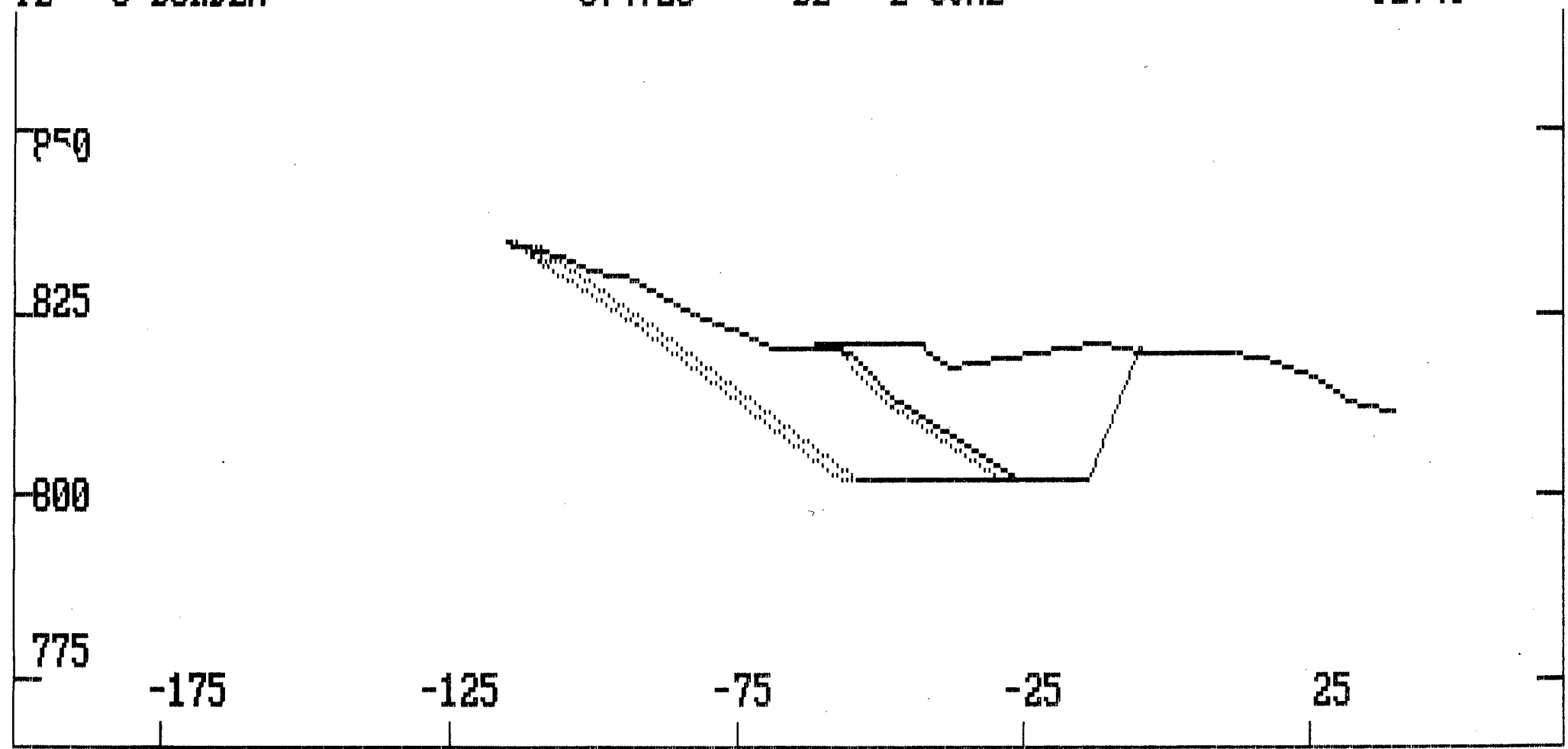


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Temp. Left 0 Temp. Right 0

STATION 75.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	560.54	BU	U-COAL	46.01
TL	U-BURDEN	574.20	BL	L-COAL	92.49

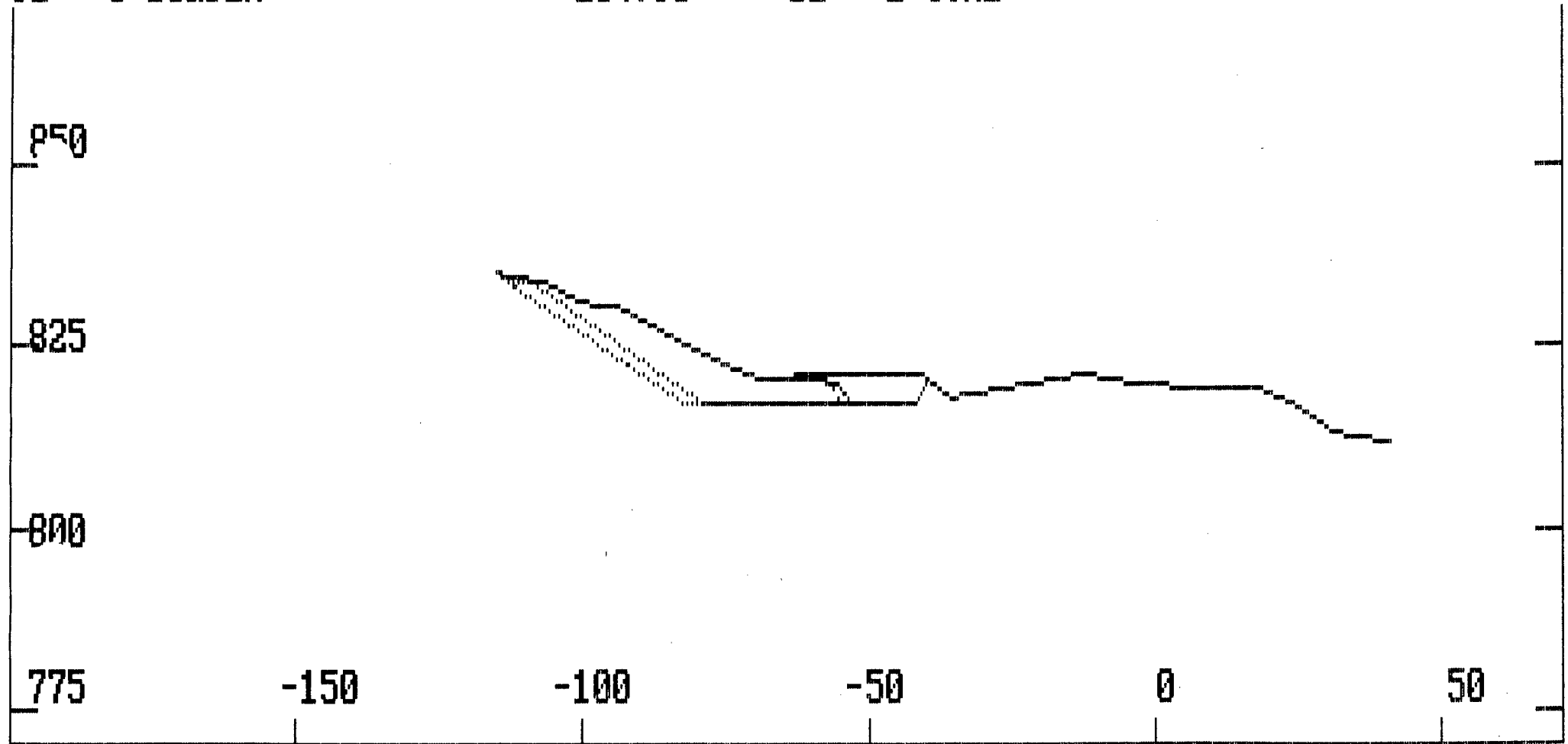


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 76.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	57.50	BU	U-COAL	5.91
TL	U-BURDEN	234.93	BL	L-COAL	53.28

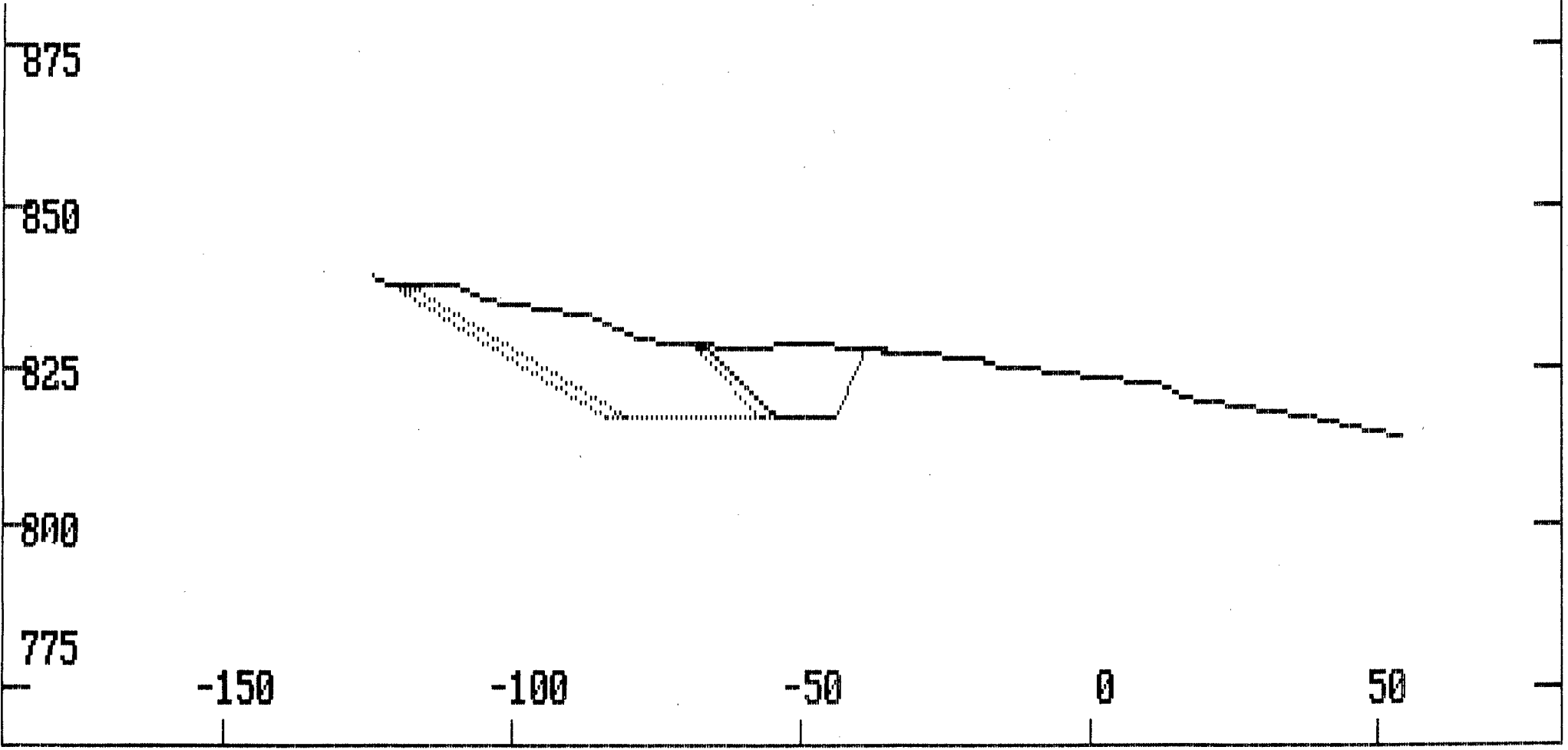


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 90.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	213.83	BU	U-COAL	21.02
TL	U-BURDEN	495.66	BL	L-COAL	65.08

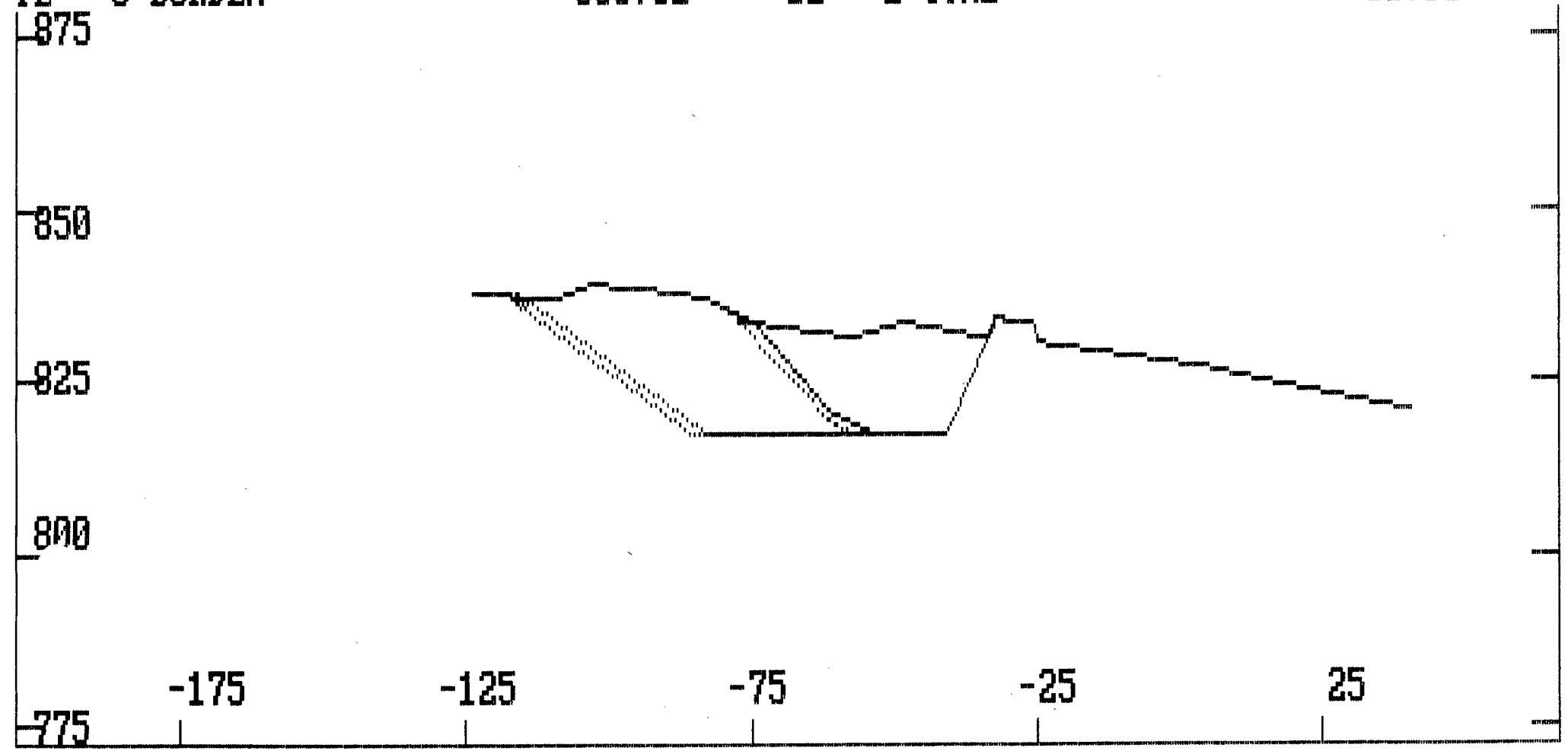


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Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 105.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	434.28	BU	U-COAL	38.61
TL	U-BURDEN	606.82	BL	L-COAL	56.93

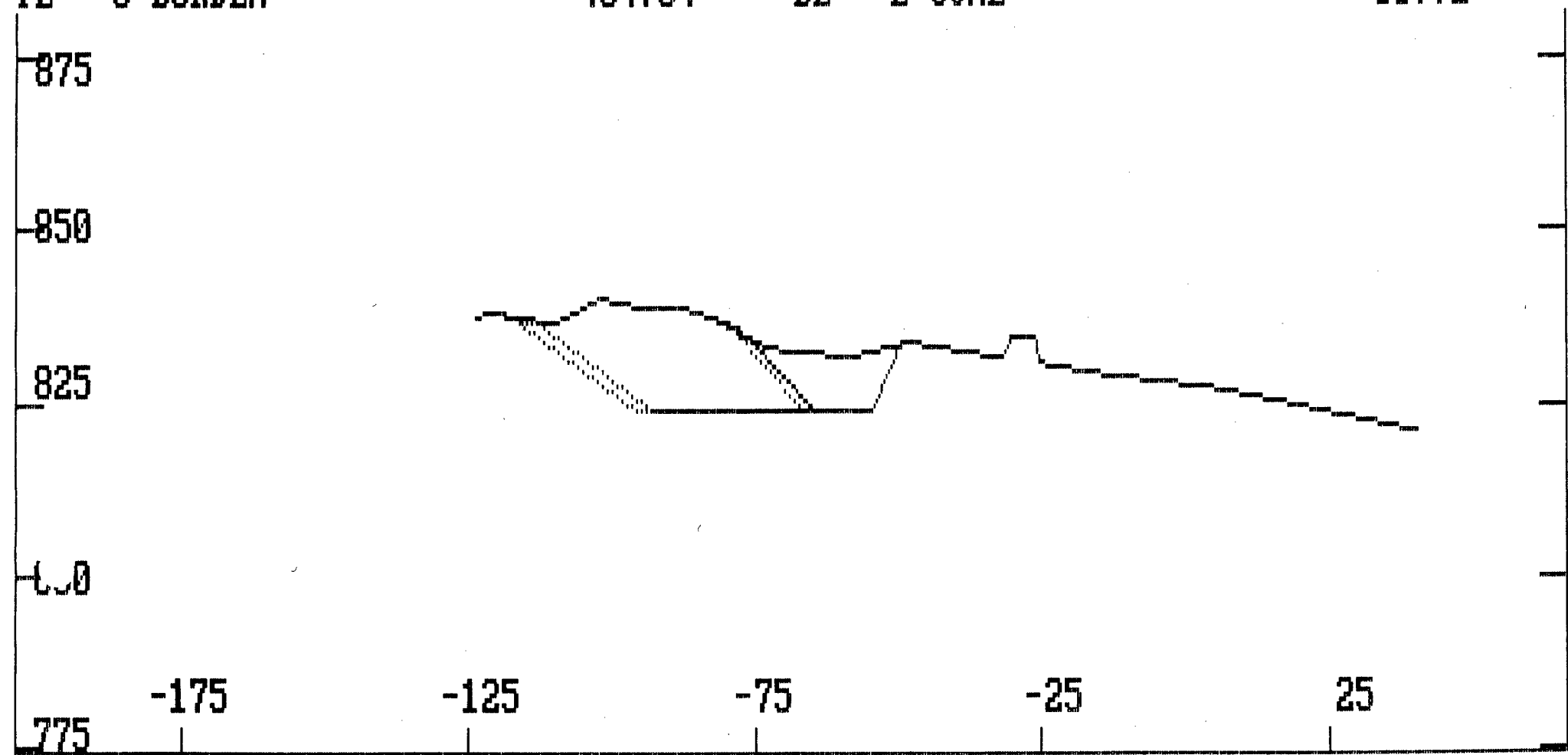


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Horizontal Scale 1: 1200
Temp. Left 0

STATION 106.0
Temp. Right 0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	144.28	BU	U-COAL	21.04
TL	U-BURDEN	434.54	BL	L-COAL	35.72



Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0

STATION 120.0
Temp. Right 0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	0-BURDEN	323.01	BU	U-COAL	37.65
TL	U-BURDEN	395.09	BL	L-COAL	34.18



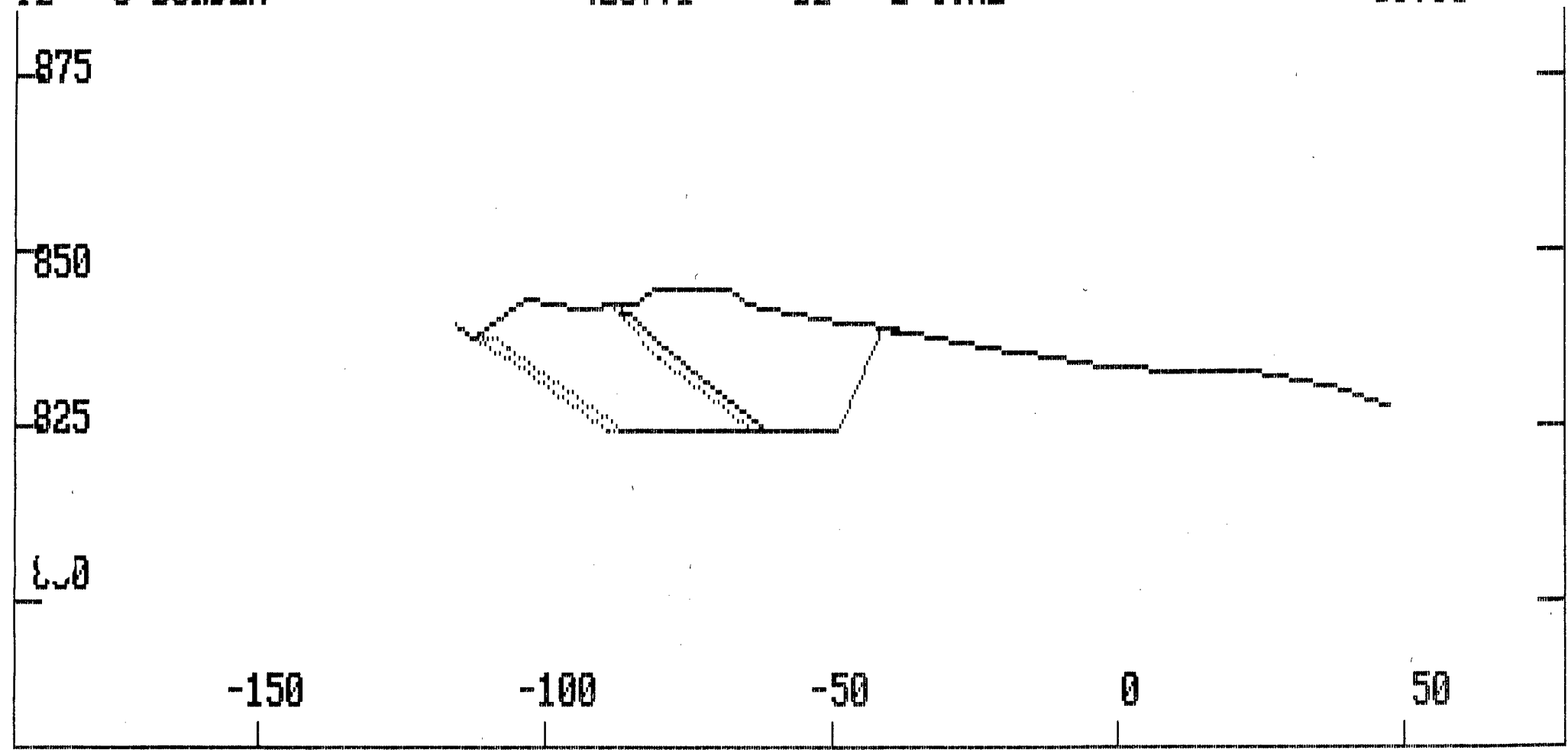
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Horizontal Scale 1: 1201
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STATION 135.0

DATE: 88.02.03
Vertical Scale 1: 1001

Temp. Right 0

TU	O-BURDEN	545.84	BU	U-COAL	42.59
TL	U-BURDEN	423.71	BL	L-COAL	39.95

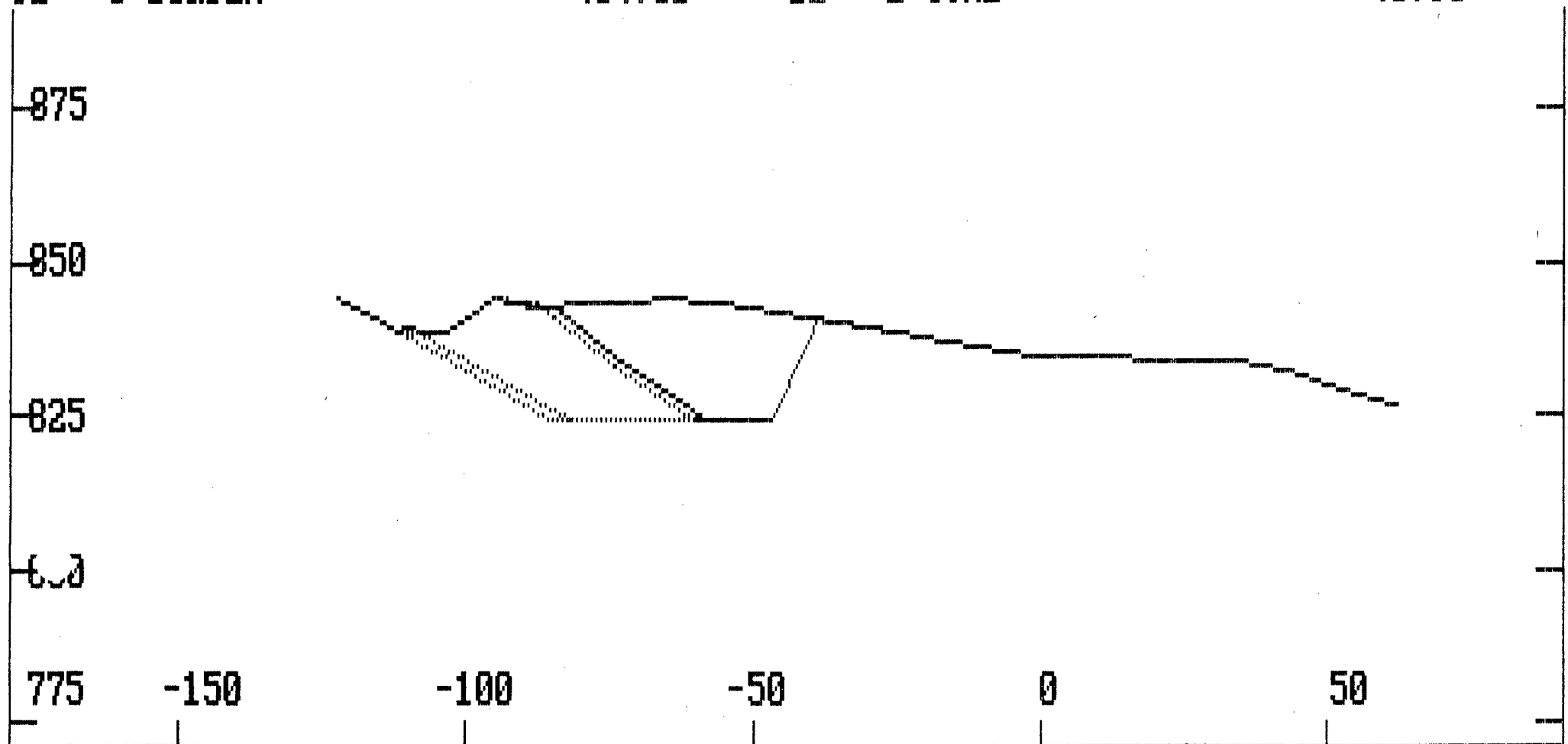


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0

STATION 150.0
Temp. Right 0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	543.57	BU	U-COAL	45.75
TL	U-BURDEN	434.81	BL	L-COAL	45.98

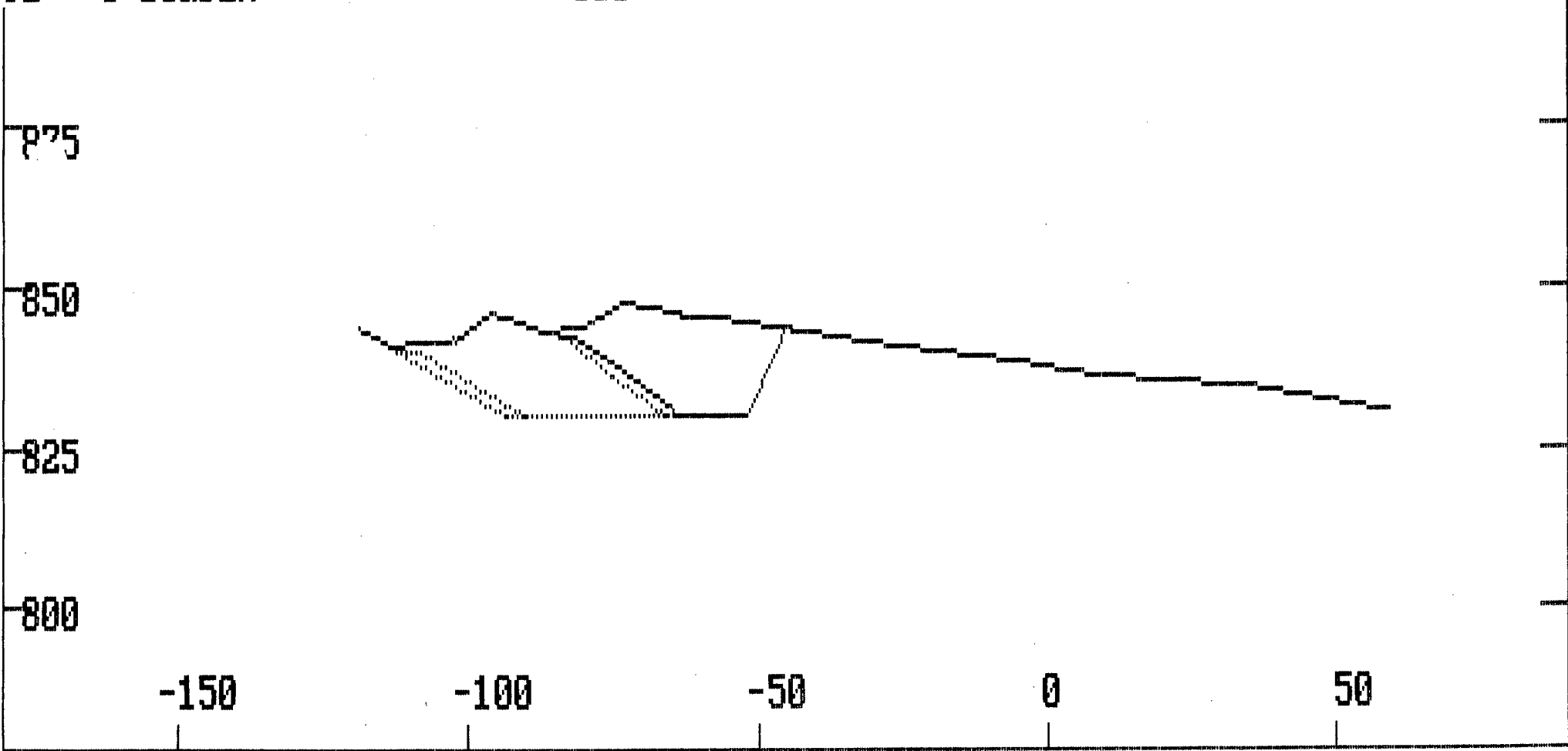


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 165.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	405.09	BU	U-COAL	32.00
TL	U-BURDEN	358.29	BL	L-COAL	32.57



Project: 882a

STATION 180.0

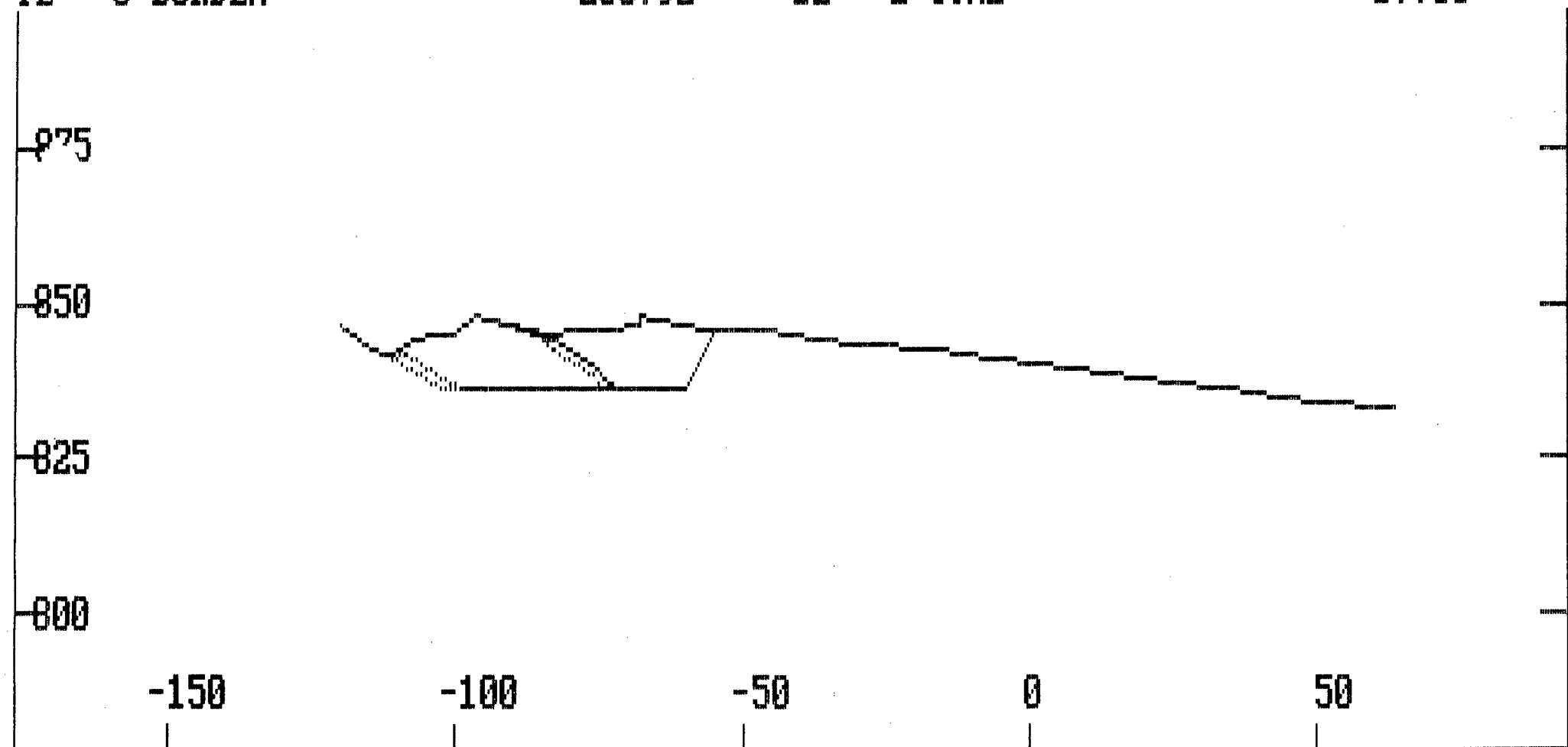
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Horizontal Scale 1: 1200

Vertical Scale 1: 1000

Temp. Left 0 Temp. Right 0

TU	O-BURDEN	210.06	BU	U-COAL	18.93
TL	U-BURDEN	250.92	BL	L-COAL	17.06



Volumes, Strip Ratios, Cross - Section Plots
Year Four (1989)

BASE STATION	ALTER. STATION	MATERIAL CLASS	END AREA	UNADJUSTED INCR	ACCUM	MULT FCTR	ADJUSTED INCR	ACCUM	MASS ORDINATE
30	30	O-BURDEN	0.0	0	0	1.00	0	0	0
		U-COAL	0.0	0	0	1.00	0	0	
		U-BURDEN	0.0	0	0	1.00	0	0	
		L-COAL	0.0	0	0	1.00	0	0	
45	45	O-BURDEN	293.3	2200	2200	1.00	2200	2200	3290
		U-COAL	15.4	115	115	1.00	115	115	
		U-BURDEN	113.2	849	849	1.00	849	849	
		L-COAL	16.8	126	126	1.00	126	126	
46	46	O-BURDEN	793.6	543	2743	1.00	543	2743	4151
		U-COAL	52.8	34	149	1.00	34	149	
		U-BURDEN	381.7	247	1097	1.00	247	1097	
		L-COAL	55.5	36	162	1.00	36	162	
60	60	O-BURDEN	1016.3	12669	15412	1.00	12669	15412	23882
		U-COAL	52.7	739	888	1.00	739	888	
		U-BURDEN	413.8	5569	6665	1.00	5569	6665	
		L-COAL	52.4	755	917	1.00	755	917	
75	75	O-BURDEN	1203.9	16652	32064	1.00	16652	32064	48385
		U-COAL	52.3	787	1676	1.00	787	1676	
		U-BURDEN	422.9	6276	12941	1.00	6276	12941	
		L-COAL	52.7	788	1704	1.00	788	1704	
76	76	O-BURDEN	611.4	908	32972	1.00	908	32972	49808
		U-COAL	47.4	50	1725	1.00	50	1725	
		U-BURDEN	409.6	416	13357	1.00	416	13357	
		L-COAL	45.0	49	1753	1.00	49	1753	
90	90	O-BURDEN	905.5	10618	43590	1.00	10618	43590	67884
		U-COAL	58.0	738	2463	1.00	738	2463	
		U-BURDEN	448.4	6006	19363	1.00	6006	19363	
		L-COAL	57.1	715	2468	1.00	715	2468	
105	105	O-BURDEN	1110.6	15120	58710	1.00	15120	58710	91853
		U-COAL	65.0	922	3385	1.00	922	3385	
		U-BURDEN	487.3	7018	26381	1.00	7018	26381	
		L-COAL	64.1	909	3377	1.00	909	3377	
106	106	O-BURDEN	1009.0	1060	59769	1.00	1060	59769	93524
		U-COAL	65.2	65	3450	1.00	65	3450	
		U-BURDEN	482.3	485	26866	1.00	485	26866	
		L-COAL	58.4	61	3438	1.00	61	3438	
120	120	O-BURDEN	1113.9	14860	74630	1.00	14860	74630	116867
		U-COAL	72.7	965	4416	1.00	965	4416	
		U-BURDEN	474.3	6697	33562	1.00	6697	33562	
		L-COAL	58.9	821	4259	1.00	821	4259	
135	135	O-BURDEN	1243.4	17680	92309	1.00	17680	92309	143444
		U-COAL	70.2	1072	5488	1.00	1072	5488	
		U-BURDEN	450.1	6934	40496	1.00	6934	40496	
		L-COAL	60.0	892	5151	1.00	892	5151	
150	150	O-BURDEN	1268.7	18841	111150	1.00	18841	111150	170746
		U-COAL	68.9	1043	6531	1.00	1043	6531	
		U-BURDEN	418.9	6518	47014	1.00	6518	47014	
		L-COAL	59.9	900	6051	1.00	900	6051	
165	165	O-BURDEN	1113.4	17866	129015	1.00	17866	129015	196746
		U-COAL	62.3	984	7515	1.00	984	7515	
		U-BURDEN	415.6	6259	53273	1.00	6259	53273	
		L-COAL	58.9	892	6943	1.00	892	6943	

BASE STATION	ALTER. STATION	MATERIAL CLASS	END AREA	UNADJUSTED INCR	MULT ACCUM	FCTR	ADJUSTED INCR	ADJUSTED ACCUM	MASS ORDINATE
180	180	O-BURDEN	974.7	15660	144676	1.00	15660	144676	220513
		U-COAL	59.3	912	8427	1.00	912	8427	
		U-BURDEN	426.5	6316	59588	1.00	6316	59588	
		L-COAL	58.3	879	7822	1.00	879	7822	
TOTAL		COAL (m3)			16249		(TONNES)	22749	
TOTAL		BURDEN (m3)			204264				
1989		STRIP RATIO			12.57:1				

Project: 882a

STATION

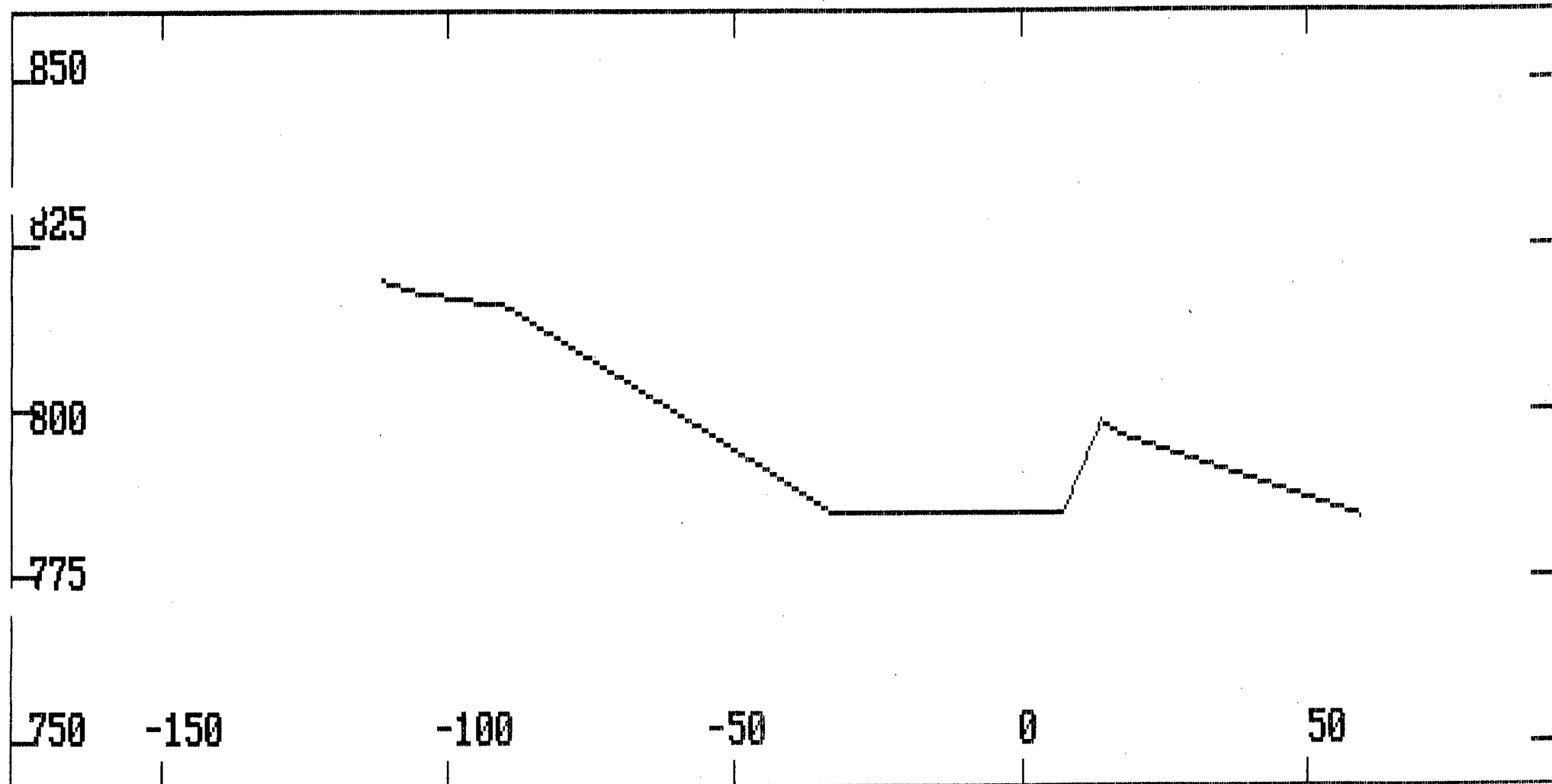
30.0

DATE: 88.02.03

Horizontal Scale 1: 1200

Vertical Scale 1: 1000

Temp. Left 0 Temp. Right 0

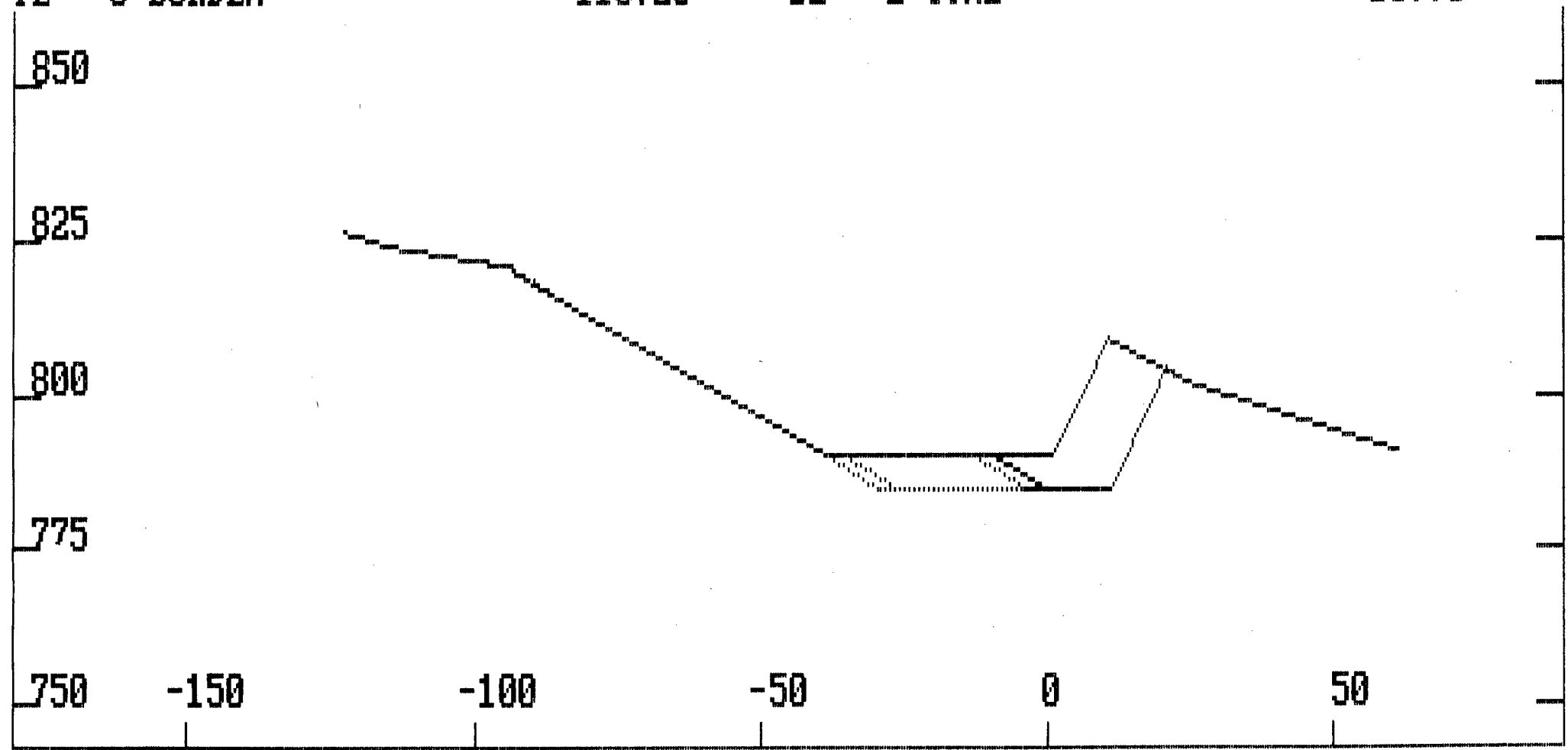


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 45.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	293.28	BU	U-COAL	15.38
TL	U-BURDEN	113.23	BL	L-COAL	16.76

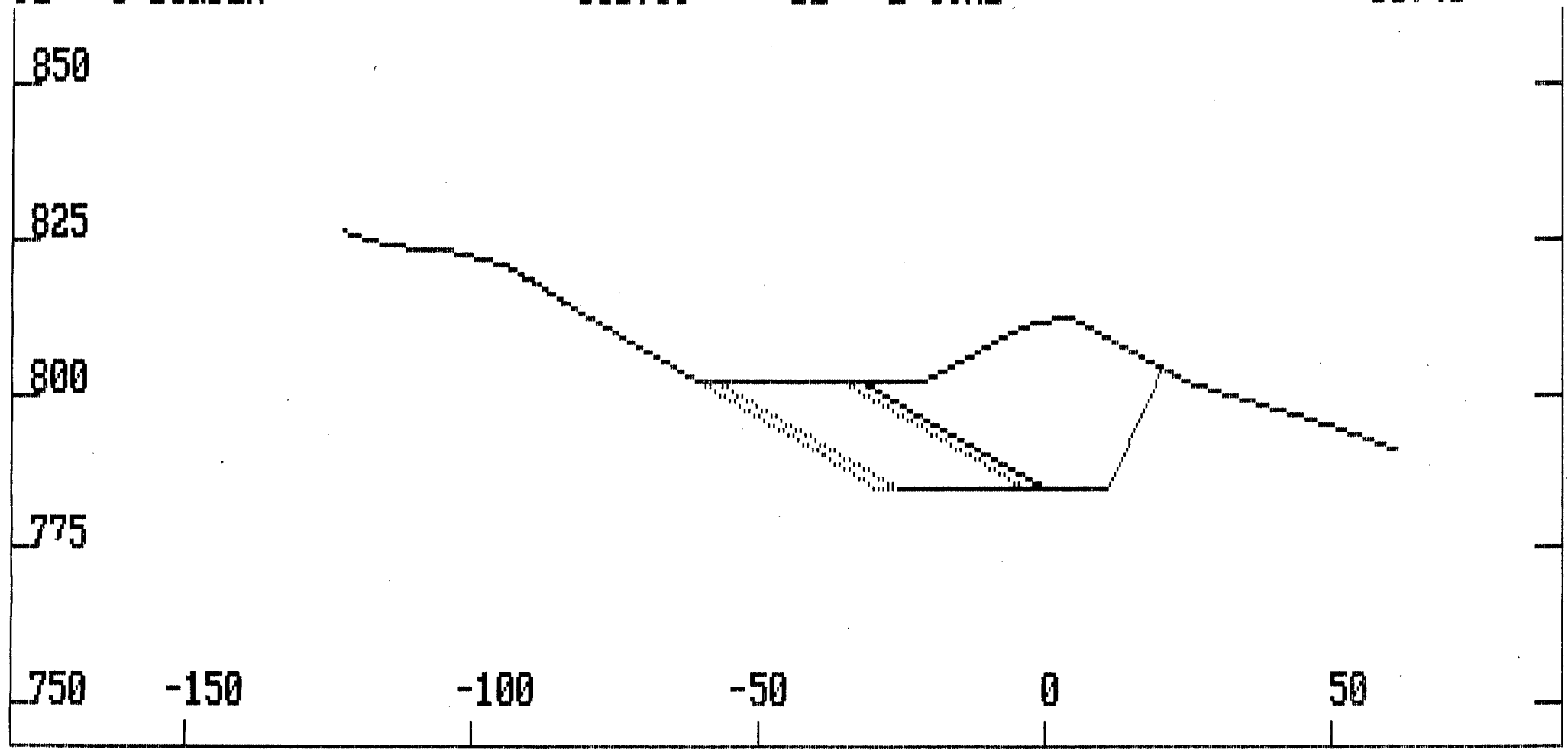


Project: 882a
Horizontal Scale 1: 1201
Temp. Left 0

STATION 46.0
Temp. Right 0

DATE: 88.02.03
Vertical Scale 1: 1001

TU	O-BURDEN	793.57	BU	U-COAL	52.83
TL	U-BURDEN	381.69	BL	L-COAL	55.45

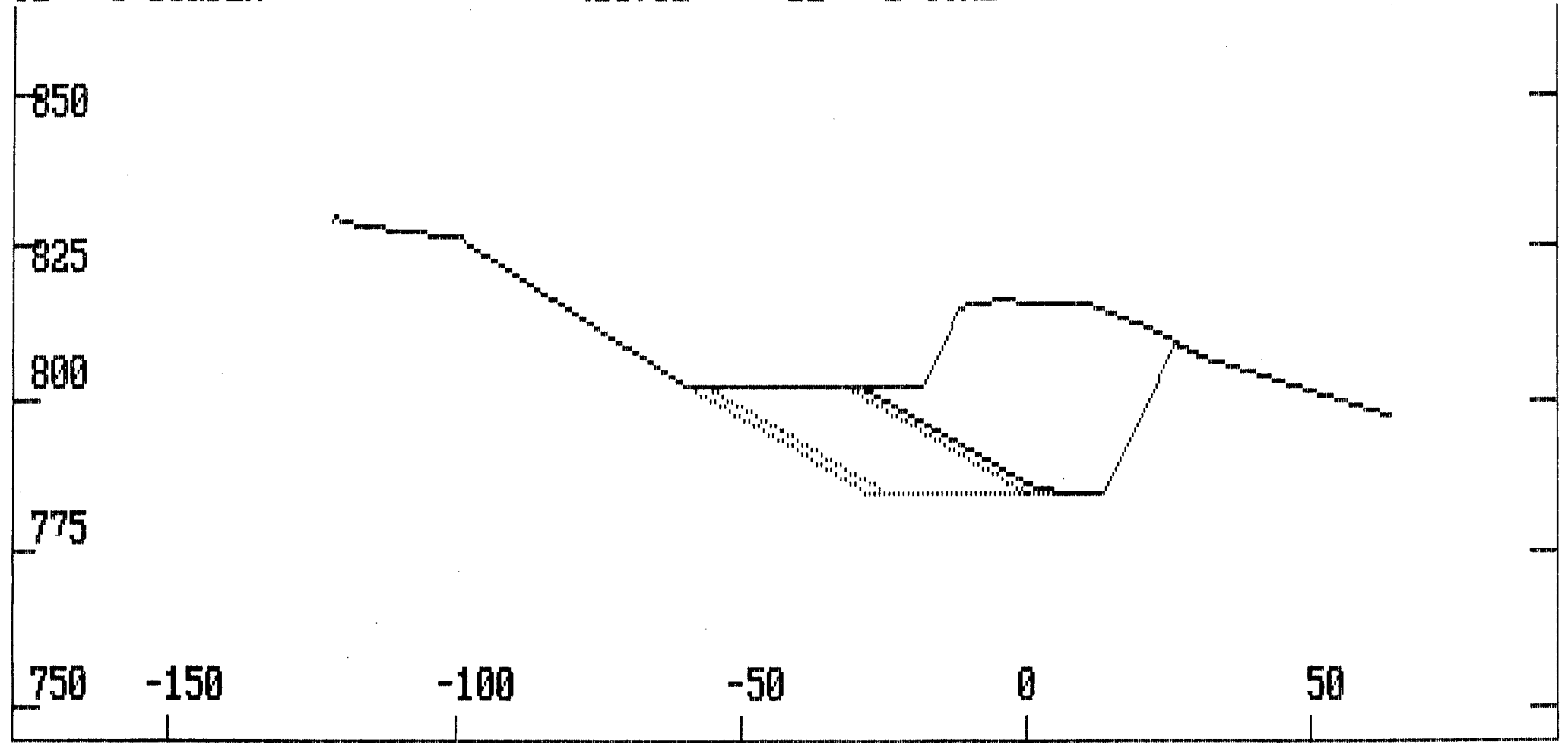


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0

STATION 60.0
Temp. Right 0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	1016.33	BU	U-COAL	52.70
TL	U-BURDEN	413.82	BL	L-COAL	52.38

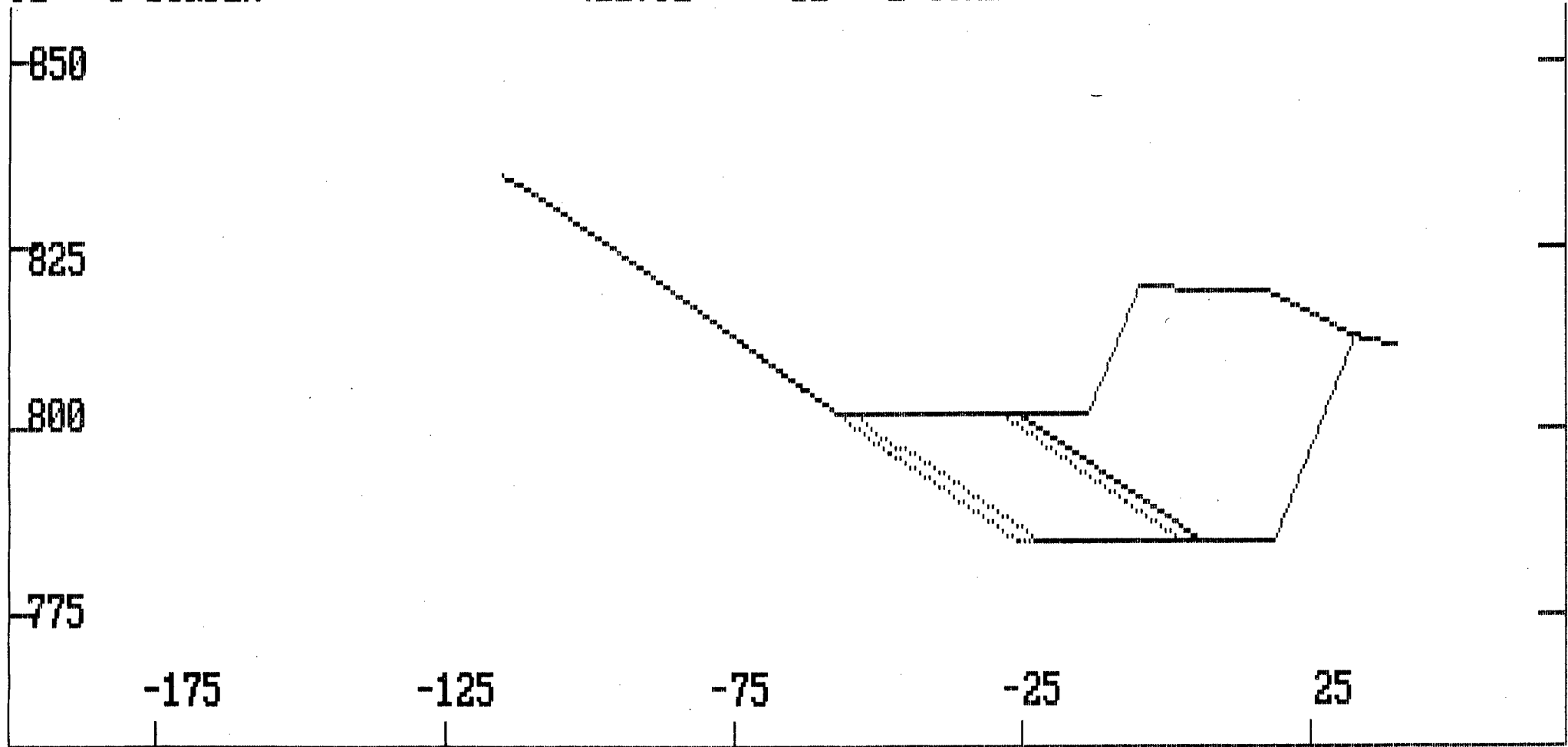


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 75.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	1203.92	BU	U-COAL	52.29
TL	U-BURDEN	422.92	BL	L-COAL	52.67

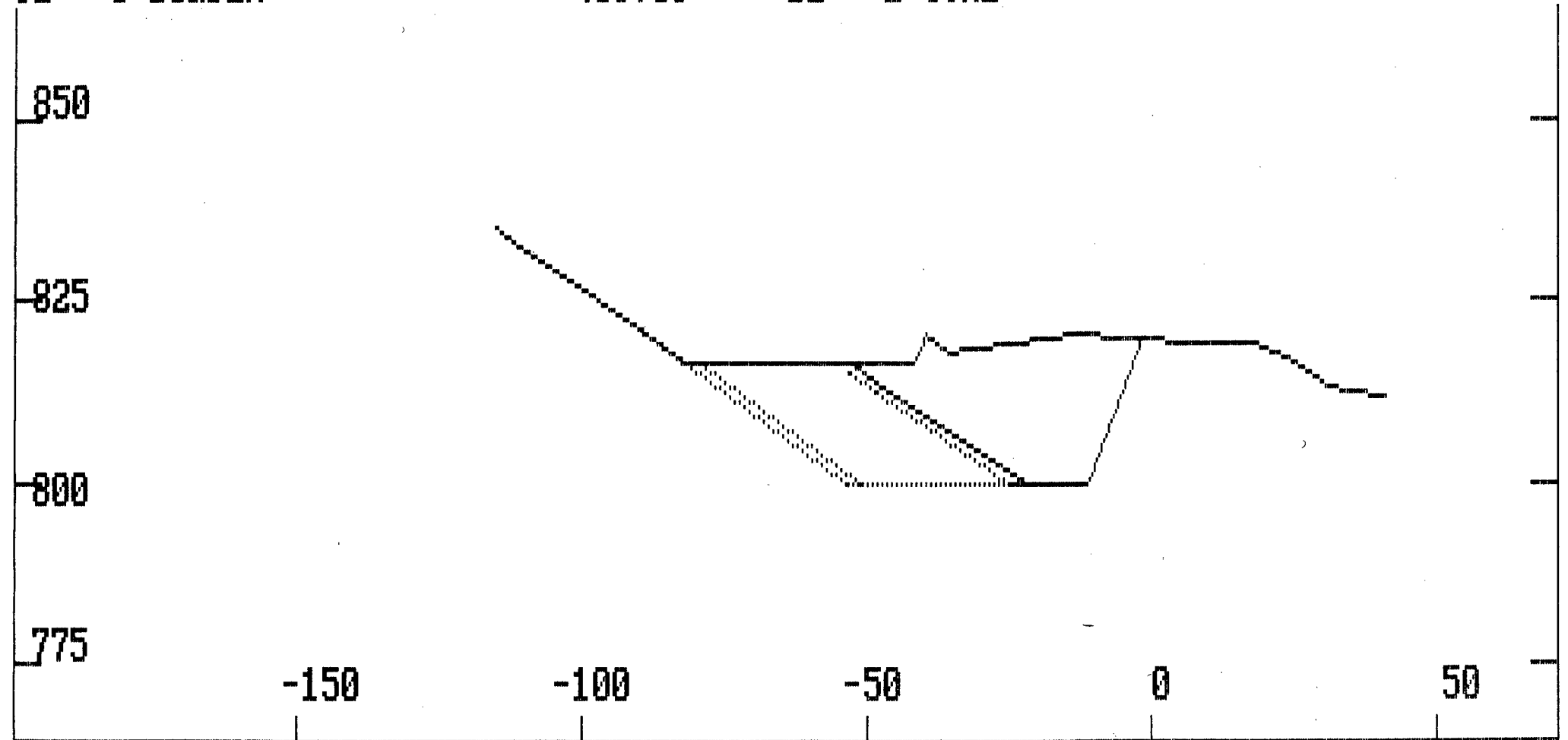


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 76.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	611.38	BU	U-COAL	47.40
TL	U-BURDEN	409.59	BL	L-COAL	44.97

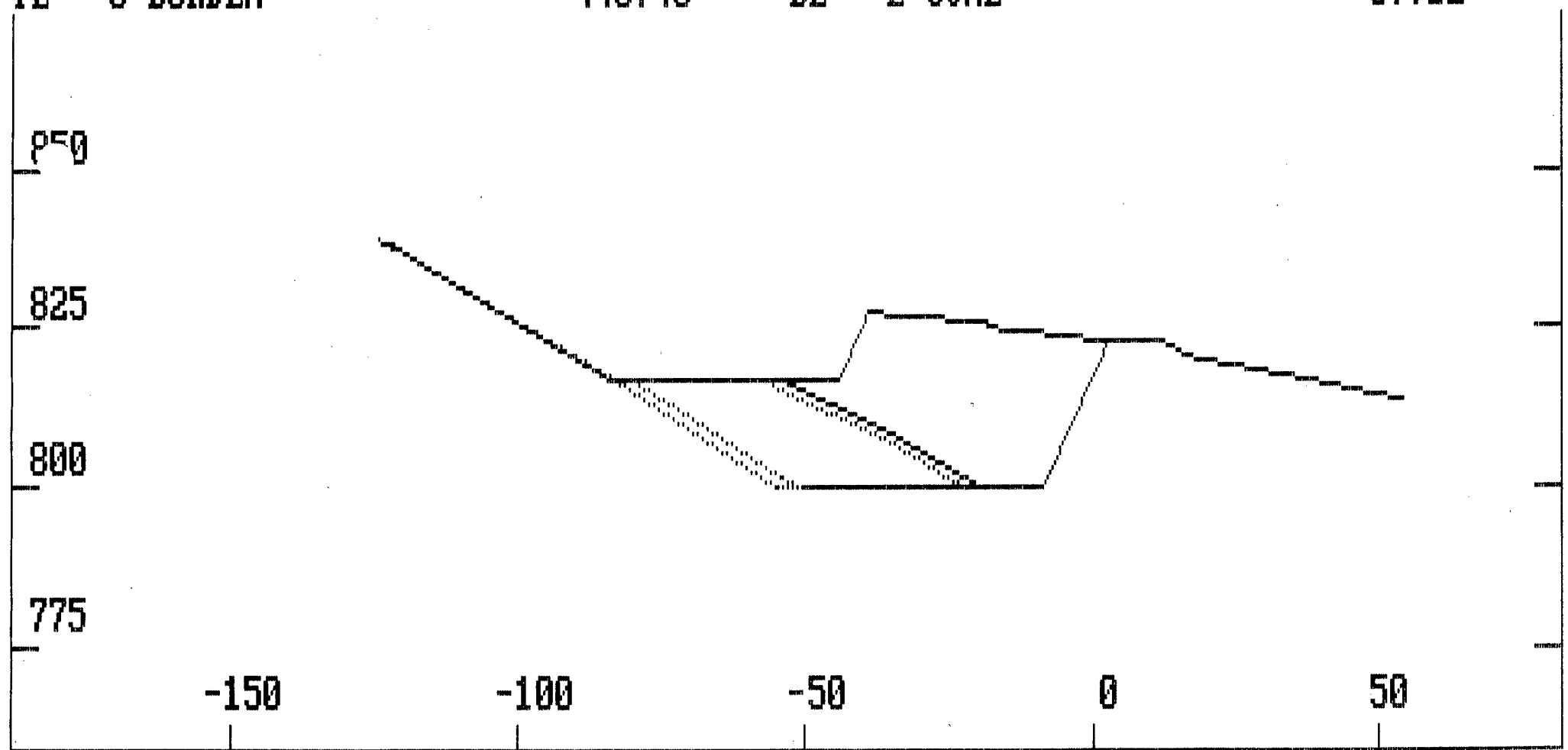


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 90.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	905.45	BU	U-COAL	57.96
TL	U-BURDEN	448.40	BL	L-COAL	57.12

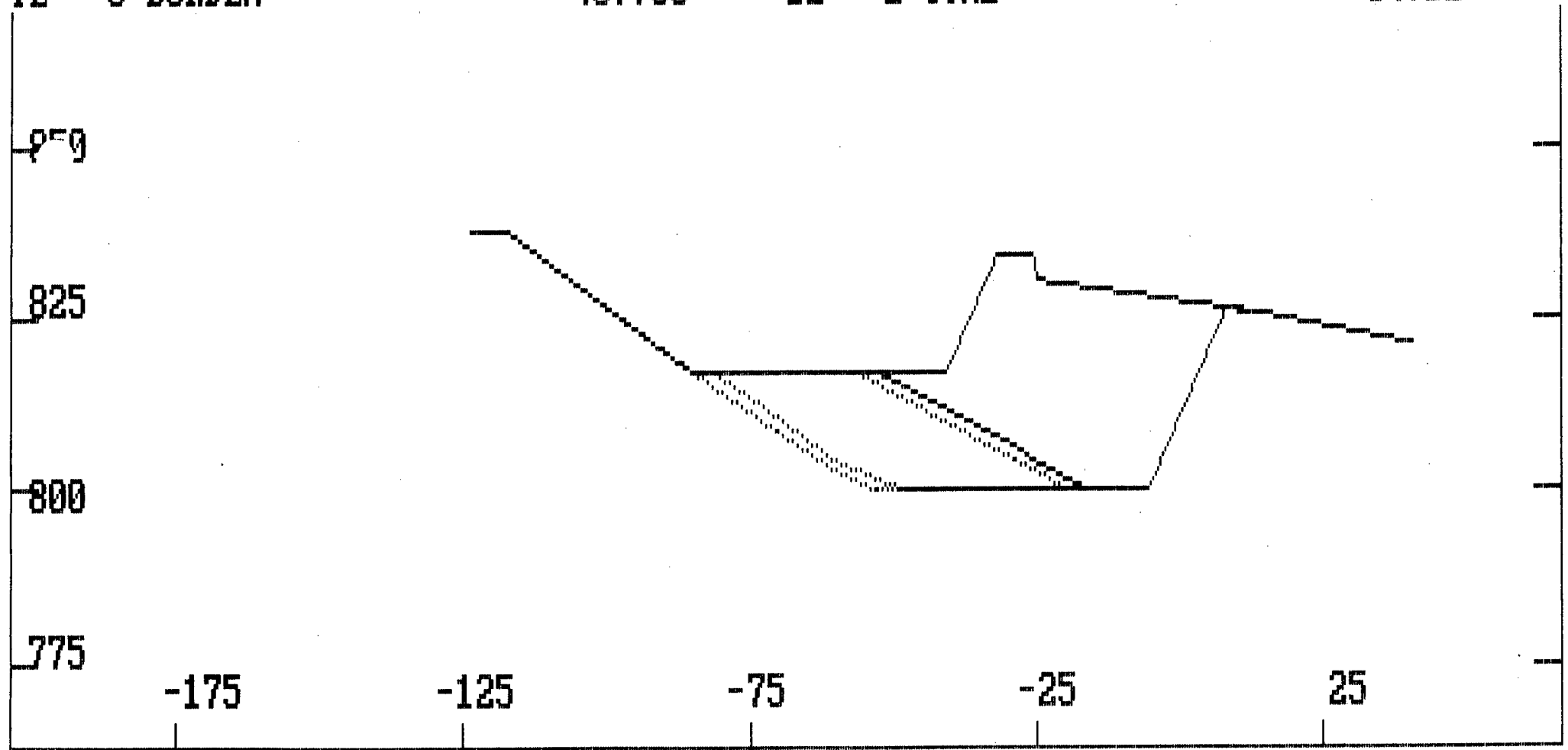


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 105.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	1110.55	BU	U-COAL	65.03
TL	U-BURDEN	487.33	BL	L-COAL	64.12

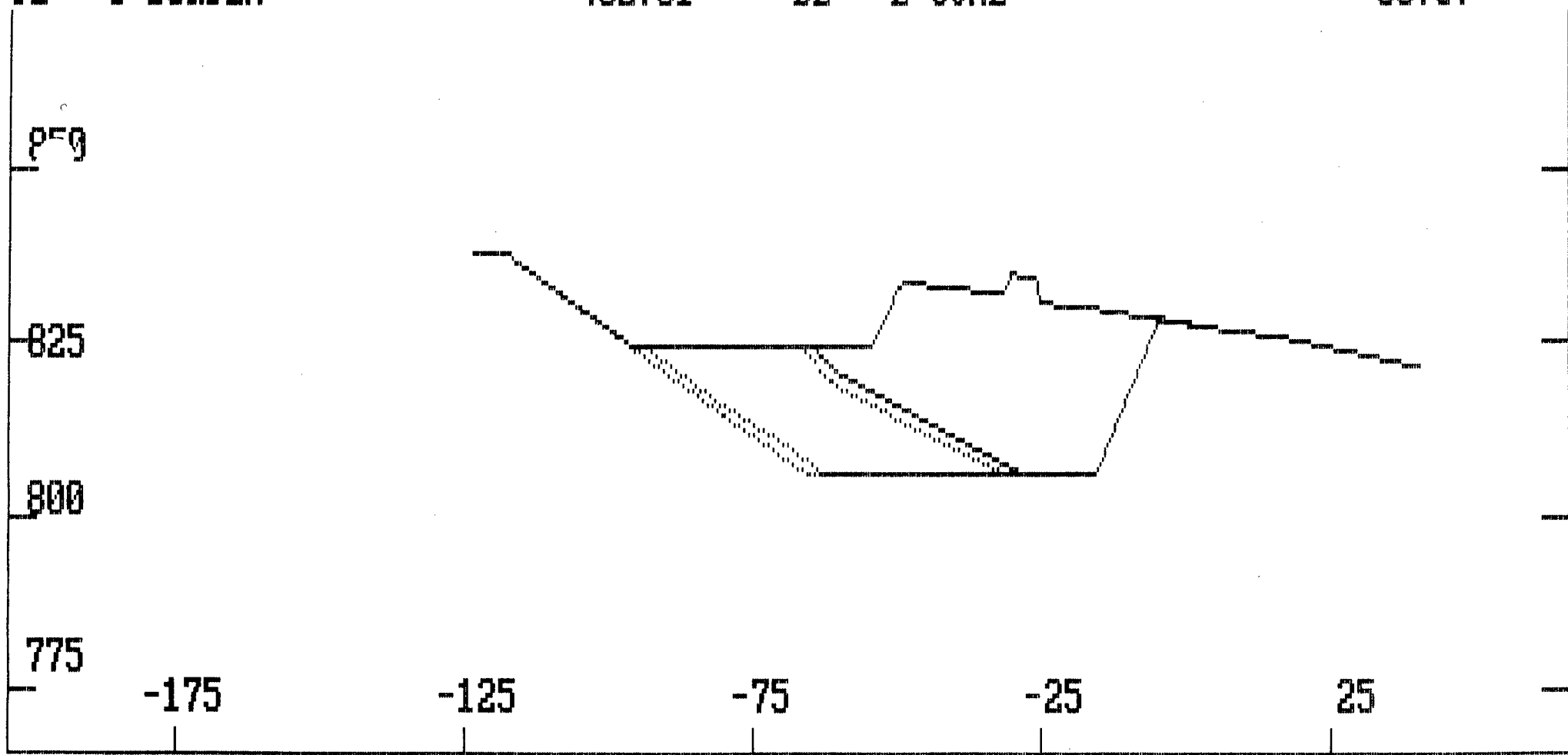


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 106.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	1008.97	BU	U-COAL	65.16
TL	U-BURDEN	482.31	BL	L-COAL	58.37

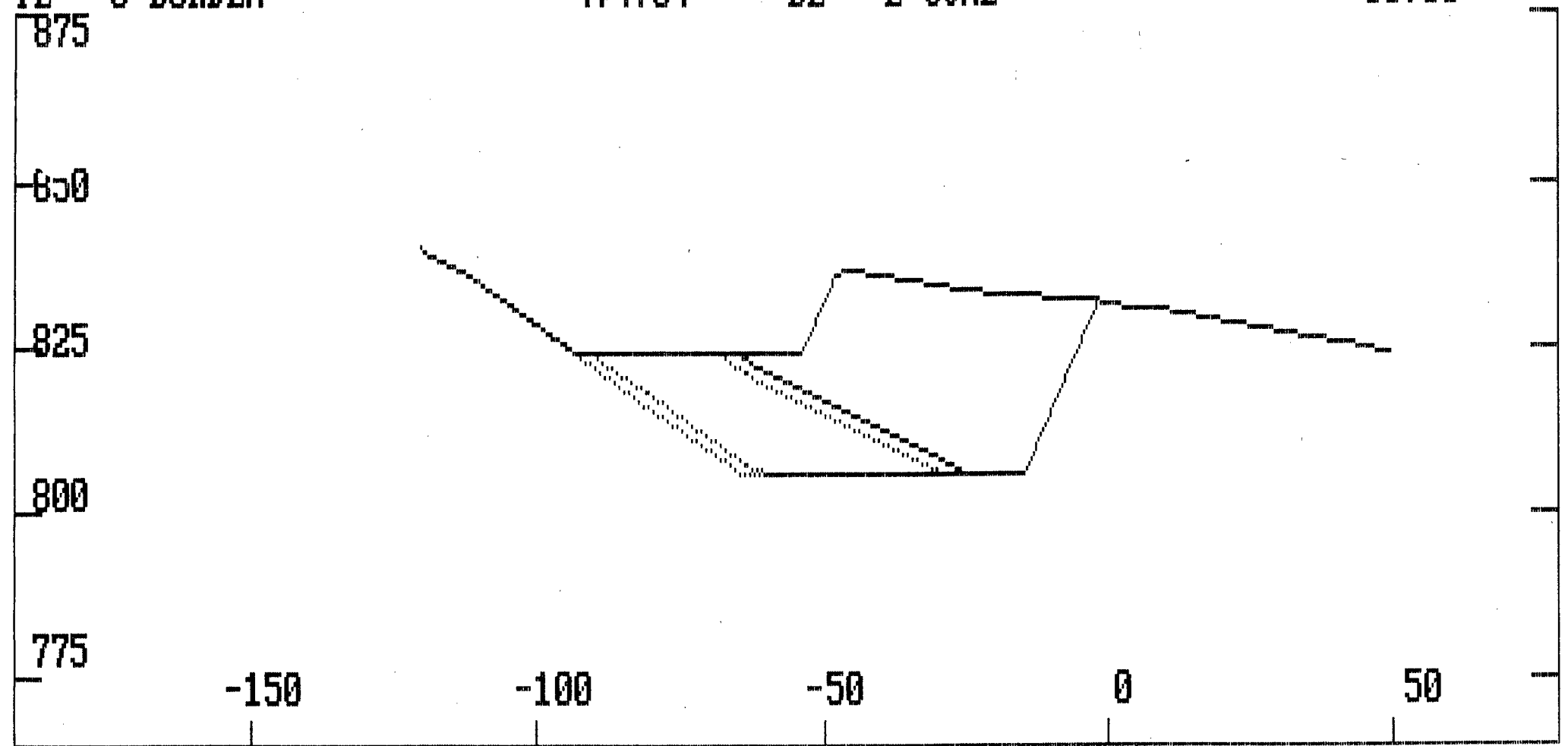


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 120.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	1113.90	BU	U-COAL	72.74
TL	U-BURDEN	474.34	BL	L-COAL	58.88

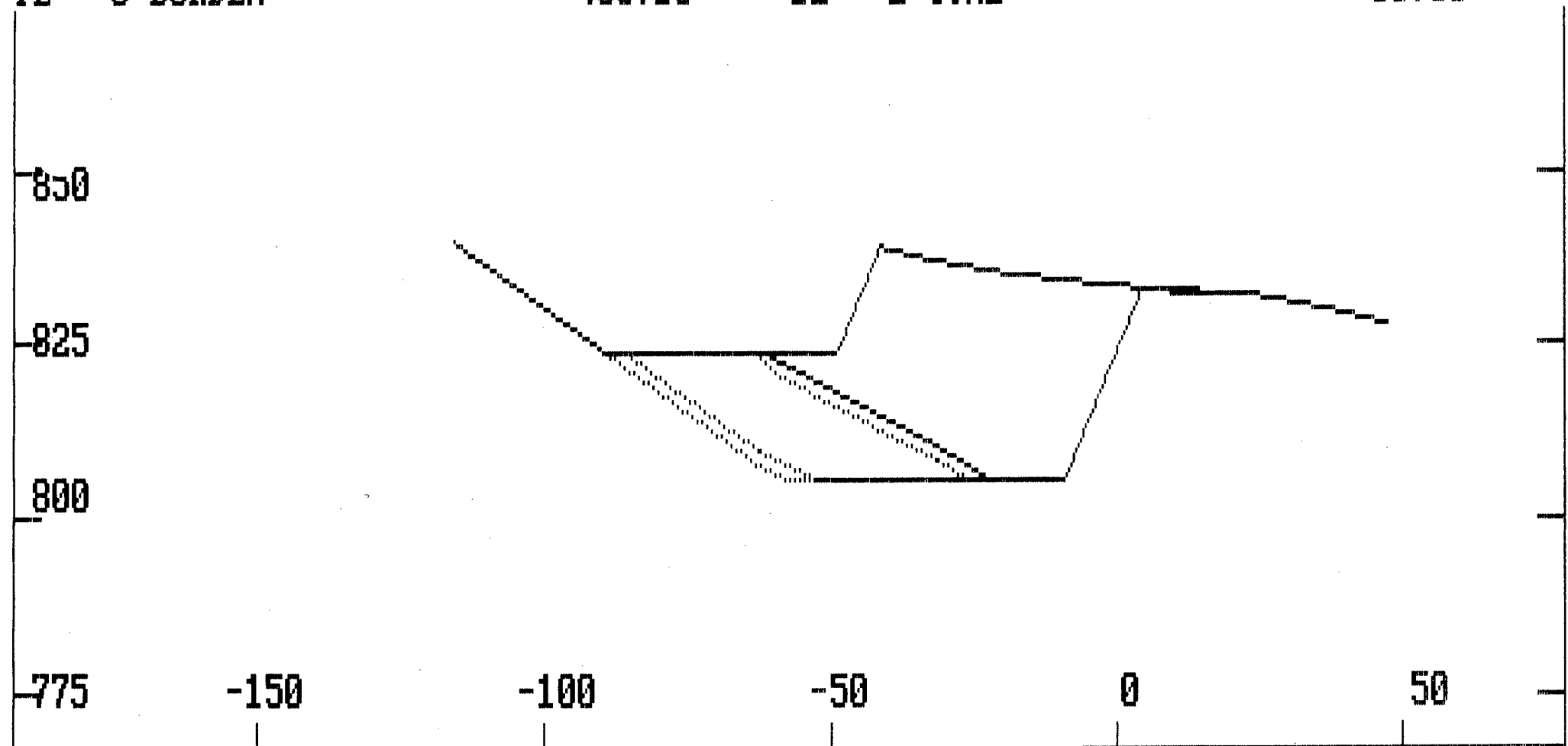


Project: 882a
Horizontal Scale 1: 1201
Temp. Left 0 Temp. Right 0

STATION 135.0

DATE: 88.02.03
Vertical Scale 1: 1001

TU	O-BURDEN	1243.37	BU	U-COAL	70.20
TL	U-BURDEN	450.15	BL	L-COAL	60.05

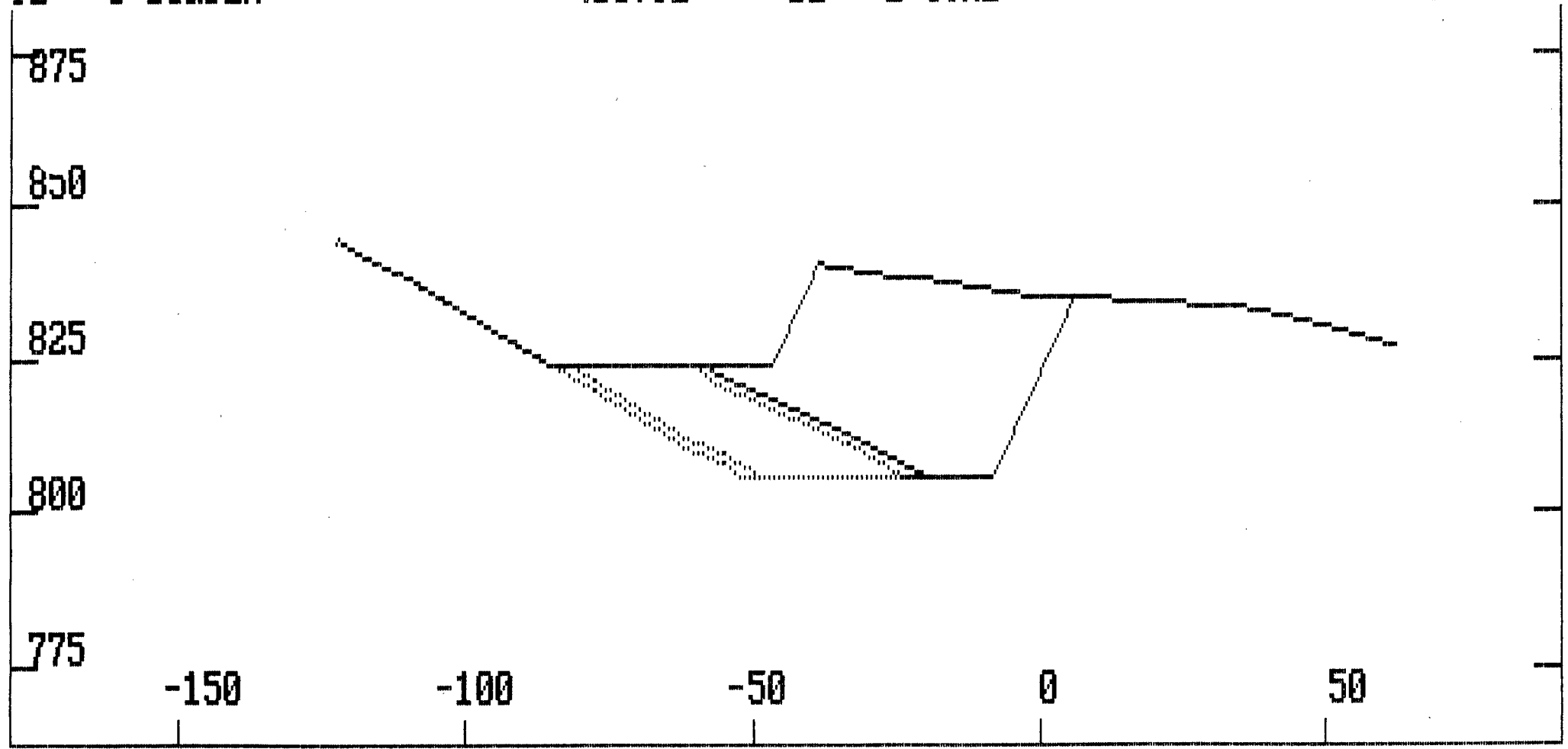


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 150.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	1268.72	BU	U-COAL	68.90
TL	U-BURDEN	418.92	BL	L-COAL	59.94

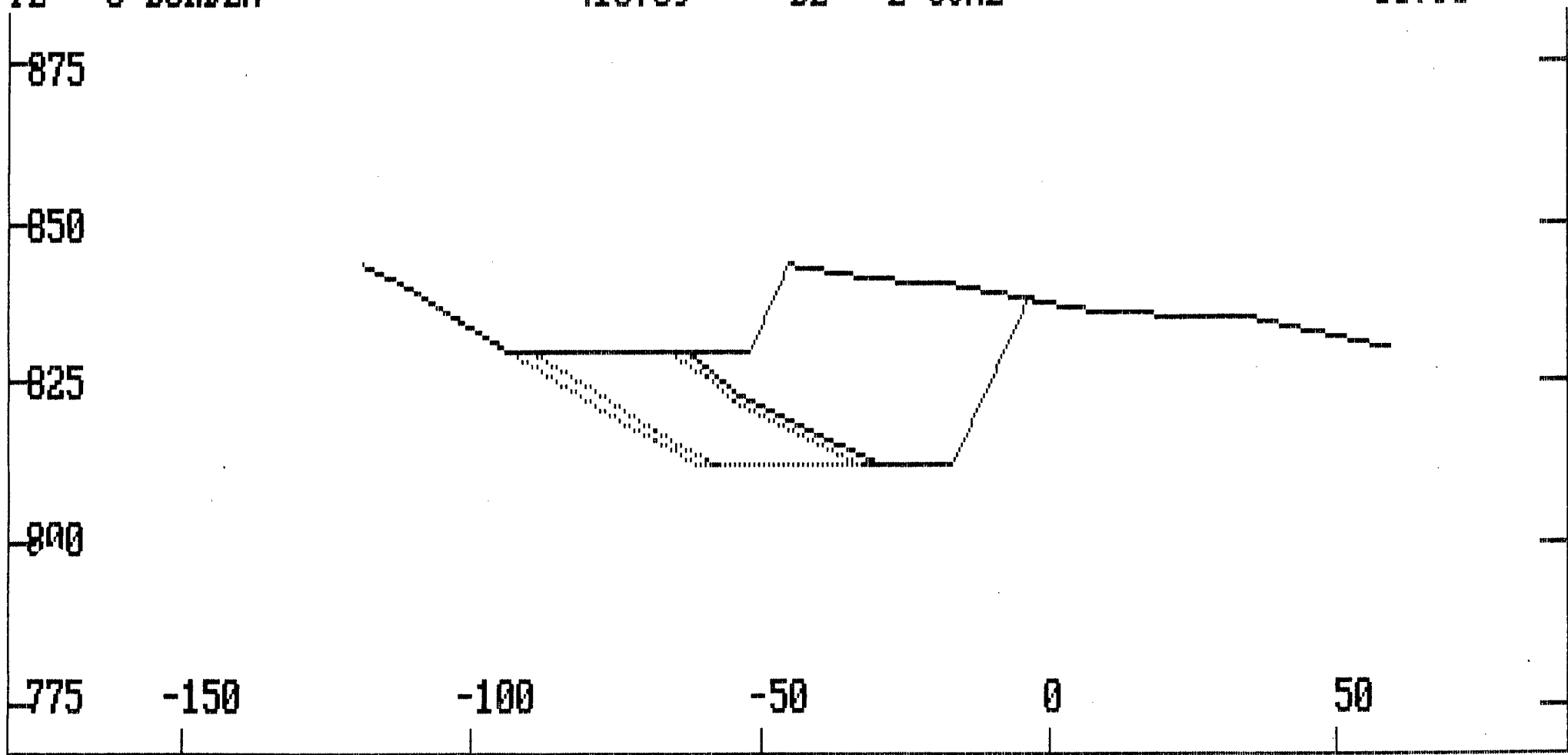


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 165.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	1113.38	BU	U-COAL	62.27
TL	U-BURDEN	415.59	BL	L-COAL	58.93

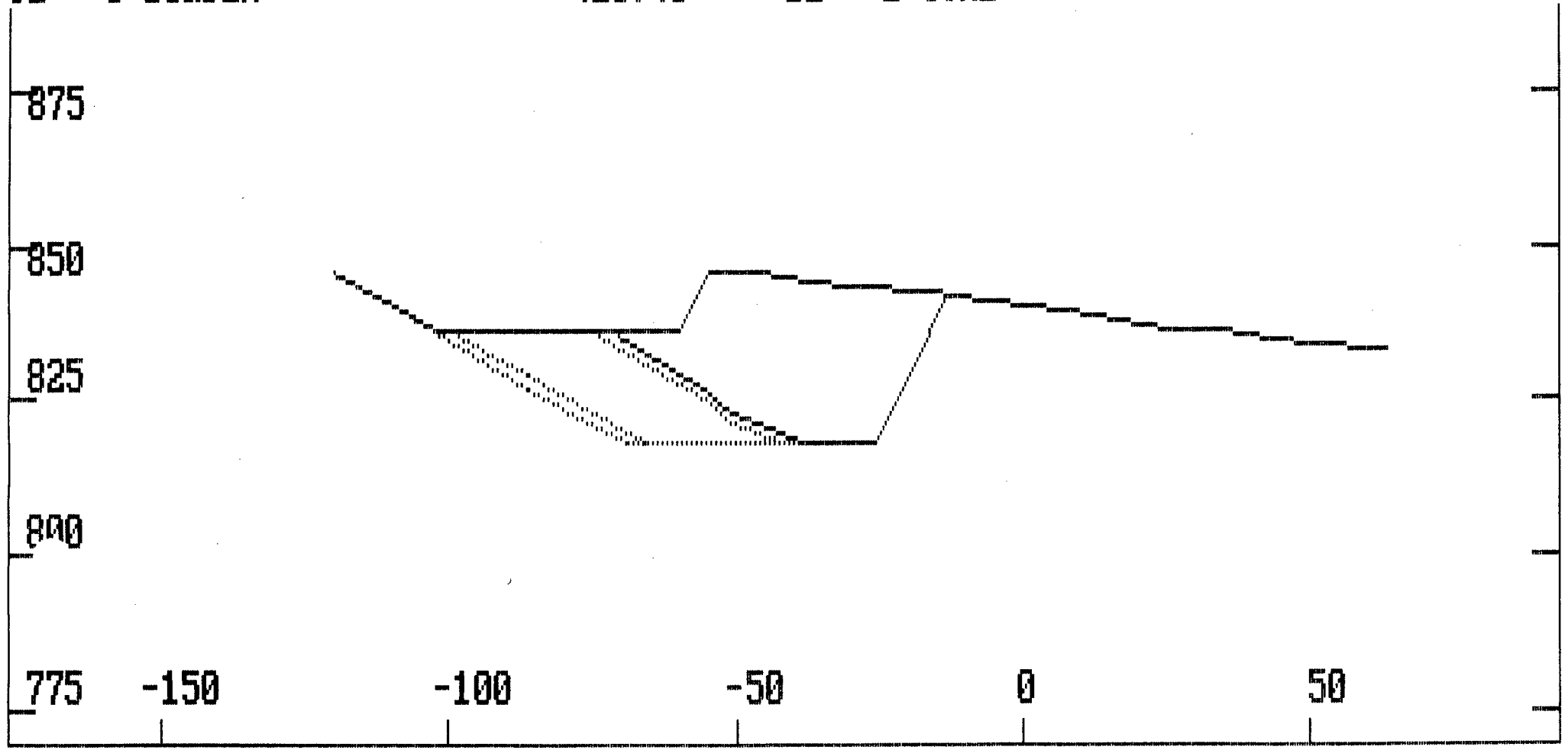


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 180.0

DATE: 88.02.03
Vertical Scale 1: 1000

TU	O-BURDEN	974.67	BU	U-COAL	59.34
TL	U-BURDEN	426.48	BL	L-COAL	58.30



Volumes, Strip Ratios, Cross - Section Plots
Year Five (1990)

BASE STATION	ALTER. STATION	MATERIAL CLASS	END AREA	UNADJUSTED INCR	MULT ACCUM	MULT FCTR	ADJUSTED INCR	ADJUSTED ACCUM	MASS ORDINATE
180	180	O-BURDEN	0.0	0	0	1.00	0	0	0
		U-COAL	0.0	0	0	1.00	0	0	
		U-BURDEN	0.0	0	0	1.00	0	0	
		L-COAL	0.0	0	0	1.00	0	0	
195	195	O-BURDEN	987.9	7409	7409	1.00	7409	7409	11867
		U-COAL	58.4	438	438	1.00	438	438	
		U-BURDEN	482.9	3622	3622	1.00	3622	3622	
		L-COAL	53.1	398	398	1.00	398	398	
210	210	O-BURDEN	688.5	12573	19982	1.00	12573	19982	32462
		U-COAL	50.6	818	1256	1.00	818	1256	
		U-BURDEN	386.1	6517	10139	1.00	6517	10139	
		L-COAL	38.5	687	1086	1.00	687	1086	
225	225	O-BURDEN	477.4	8744	28726	1.00	8744	28726	47296
		U-COAL	37.0	657	1913	1.00	657	1913	
		U-BURDEN	273.8	4949	15087	1.00	4949	15087	
		L-COAL	26.0	484	1569	1.00	484	1569	
240	240	O-BURDEN	458.3	7017	35743	1.00	7017	35743	59614
		U-COAL	42.2	594	2507	1.00	594	2507	
		U-BURDEN	300.0	4304	19391	1.00	4304	19391	
		L-COAL	27.8	404	1973	1.00	404	1973	
255	255	O-BURDEN	575.4	7752	43496	1.00	7752	43496	72830
		U-COAL	42.3	633	3140	1.00	633	3140	
		U-BURDEN	289.0	4418	23809	1.00	4418	23809	
		L-COAL	27.3	413	2386	1.00	413	2386	
270	270	O-BURDEN	560.1	8516	52012	1.00	8516	52012	86528
		U-COAL	38.1	603	3743	1.00	603	3743	
		U-BURDEN	268.5	4181	27990	1.00	4181	27990	
		L-COAL	25.8	398	2784	1.00	398	2784	
285	285	O-BURDEN	504.0	7981	59993	1.00	7981	59993	99495
		U-COAL	34.0	541	4284	1.00	541	4284	
		U-BURDEN	275.3	4079	32069	1.00	4079	32069	
		L-COAL	23.0	366	3150	1.00	366	3150	
300	300	O-BURDEN	495.9	7500	67492	1.00	7500	67492	112172
		U-COAL	32.2	497	4781	1.00	497	4781	
		U-BURDEN	300.5	4319	36388	1.00	4319	36388	
		L-COAL	25.1	361	3510	1.00	361	3510	
315	315	O-BURDEN	567.3	7974	75466	1.00	7974	75466	125522
		U-COAL	32.7	486	5267	1.00	486	5267	
		U-BURDEN	299.6	4501	40889	1.00	4501	40889	
		L-COAL	26.8	389	3899	1.00	389	3899	
330	330	O-BURDEN	567.5	8511	83977	1.00	8511	83977	139488
		U-COAL	32.3	488	5755	1.00	488	5755	
		U-BURDEN	311.4	4583	45472	1.00	4583	45472	
		L-COAL	24.5	385	4284	1.00	385	4284	
345	345	O-BURDEN	603.5	8783	92759	1.00	8783	92759	153259
		U-COAL	30.5	471	6226	1.00	471	6226	
		U-BURDEN	243.7	4163	49635	1.00	4163	49635	
		L-COAL	22.9	355	4639	1.00	355	4639	
360	360	O-BURDEN	614.3	9133	101893	1.00	9133	101893	166357
		U-COAL	30.8	460	6686	1.00	460	6686	
		U-BURDEN	176.0	3148	52782	1.00	3148	52782	
		L-COAL	24.7	357	4996	1.00	357	4996	

BASE STATION	ALTER. STATION	MATERIAL CLASS	END AREA	UNADJUSTED INCR	MULT ACCUM	FCTR	ADJUSTED INCR	ACCUM	MASS ORDINATE
375	375	O-BURDEN	646.9	9459	111351	1.00	9459	111351	179166
		U-COAL	36.7	507	7192	1.00	507	7192	
		U-BURDEN	154.0	2474	55257	1.00	2474	55257	
		L-COAL	24.5	369	5365	1.00	369	5365	
390	390	O-BURDEN	704.5	10135	121487	1.00	10135	121487	192539
		U-COAL	39.4	571	7763	1.00	571	7763	
		U-BURDEN	152.1	2296	57552	1.00	2296	57552	
		L-COAL	25.1	371	5736	1.00	371	5736	
405	405	O-BURDEN	573.7	9586	131073	1.00	9586	131073	205238
		U-COAL	38.0	580	8344	1.00	580	8344	
		U-BURDEN	130.8	2122	59675	1.00	2122	59675	
		L-COAL	29.7	411	6147	1.00	411	6147	
420	420	O-BURDEN	0.0	4302	135375	1.00	4302	135375	211029
		U-COAL	0.0	285	8628	1.00	285	8628	
		U-BURDEN	0.0	981	60656	1.00	981	60656	
		L-COAL	0.0	223	6370	1.00	223	6370	
TOTAL		COAL (m3)			14998		(TONNES)	20997	
TOTAL		BURDEN (m3)			196031				
1990		STRIP RATIO			13.07:1				

Project: 882a

STATION

195.0

DATE: 88.02.05

Horizontal Scale 1: 1200

Vertical Scale 1: 1000

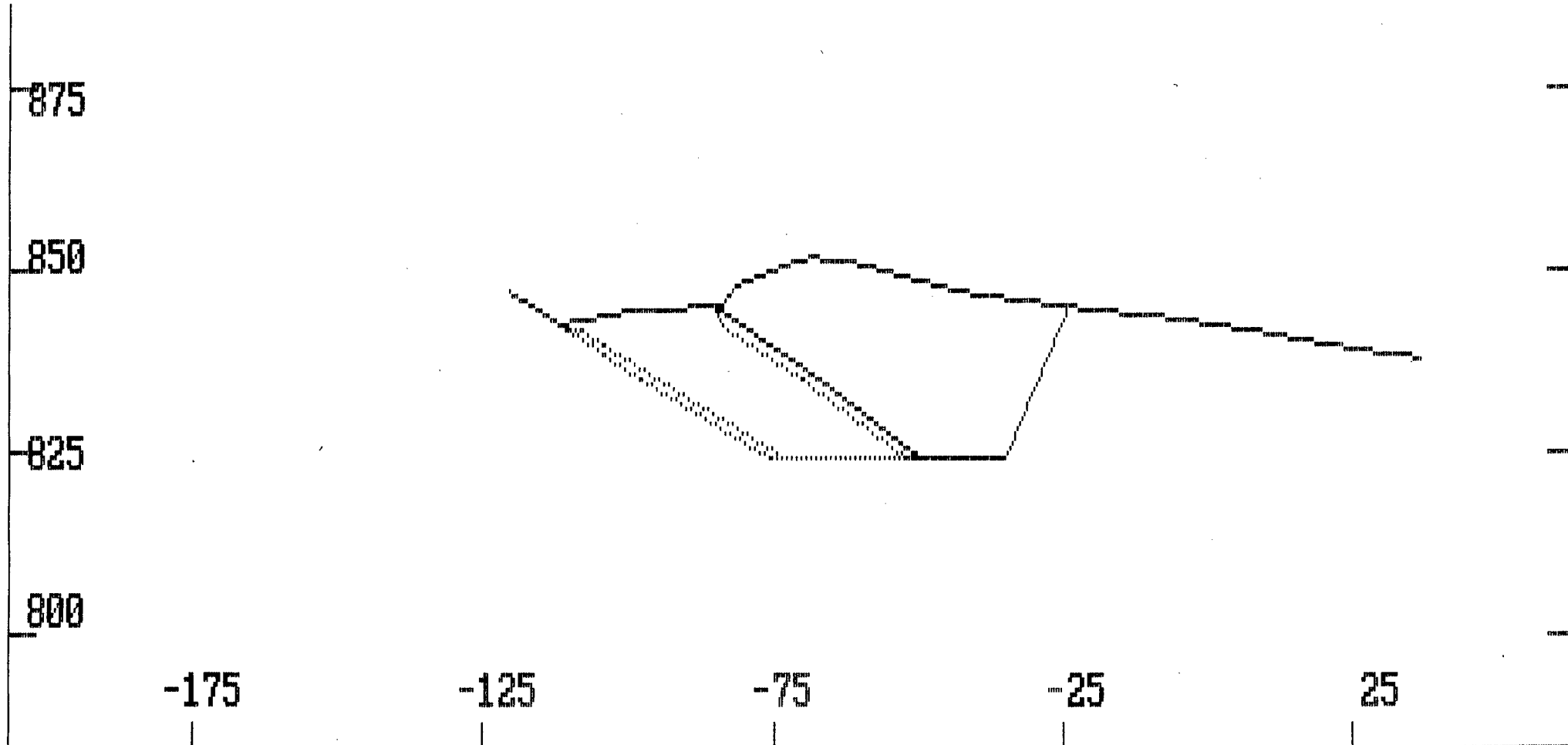
Temp. Left 0 Temp. Right 0

TU 0-BURDEN
TL U-BURDEN

987.89
482.87

BU U-COAL
BL L-COAL

58.40
53.11

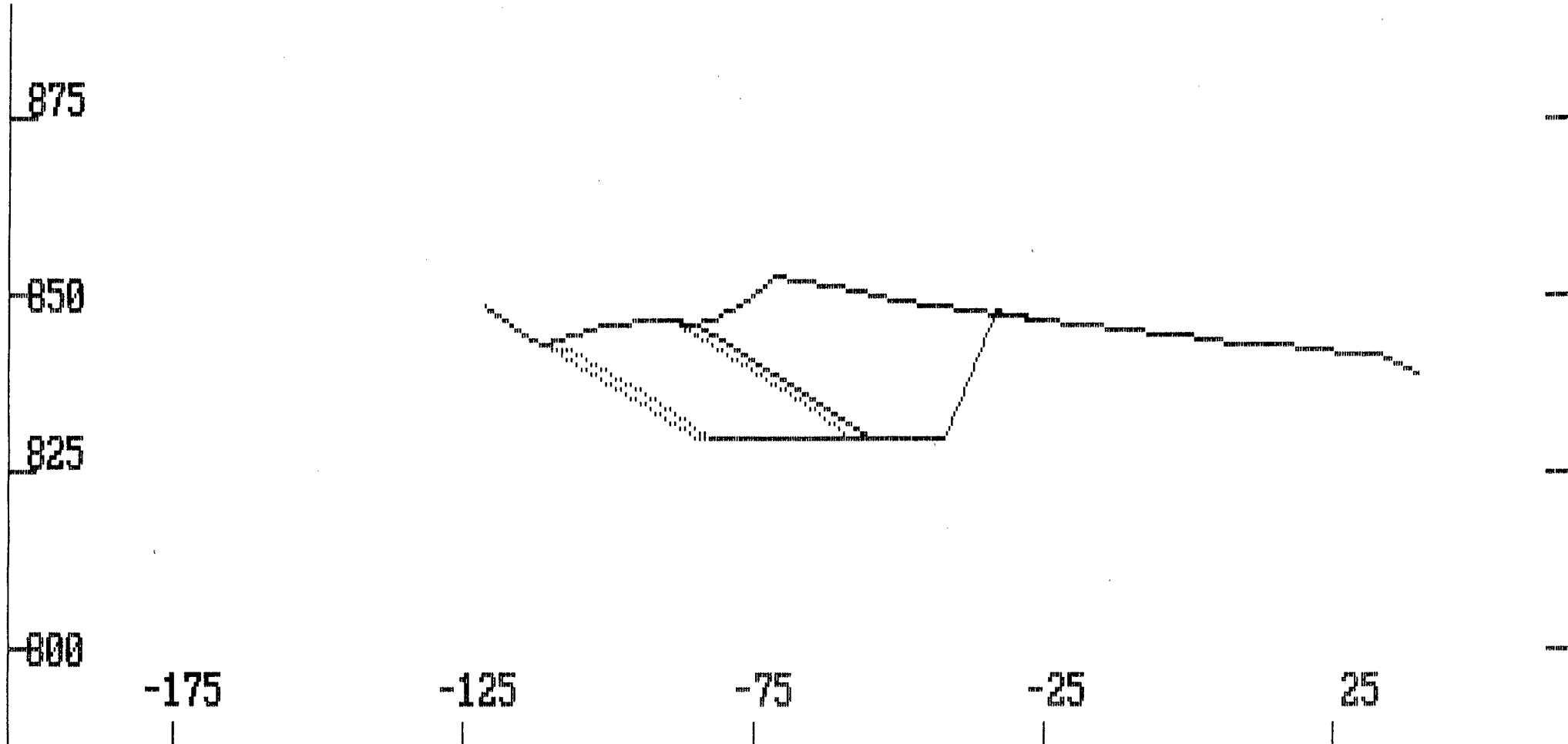


Project: 882a
Horizontal Scale 1: 1201
Temp. Left 0

STATION 210.0
Temp. Right 0

DATE: 88.02.05
Vertical Scale 1: 1000

TU	O-BURDEN	688.53	BU	U-COAL	50.60
TL	U-BURDEN	386.06	BL	L-COAL	38.52



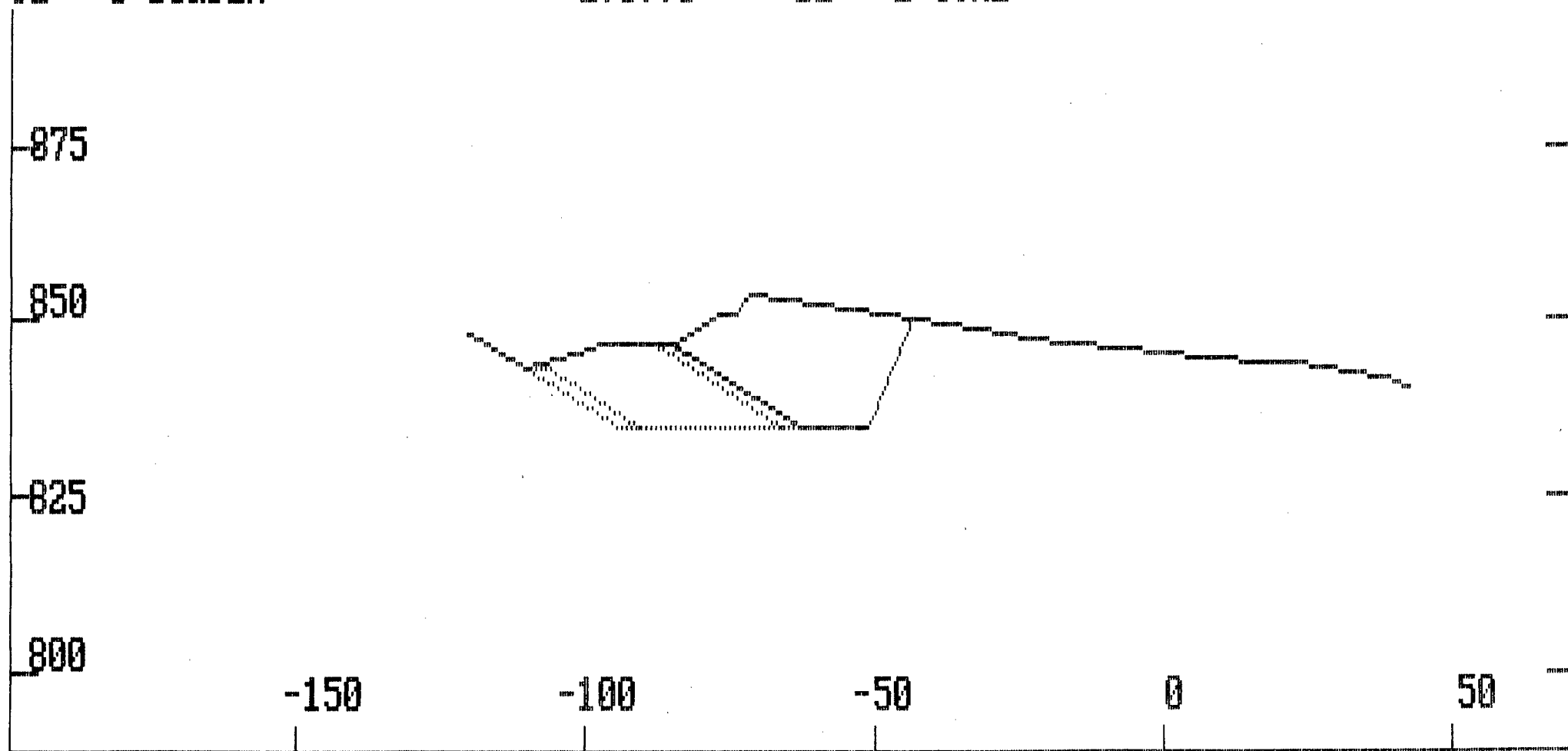
Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0

STATION 225.0

DATE: 88.02.05
Vertical Scale 1: 1000

Temp. Right 0

TU	O-BURDEN	477.35	BU	U-COAL	37.00
TL	U-BURDEN	273.78	BL	L-COAL	26.00



Project: 882a

STATION 240.0

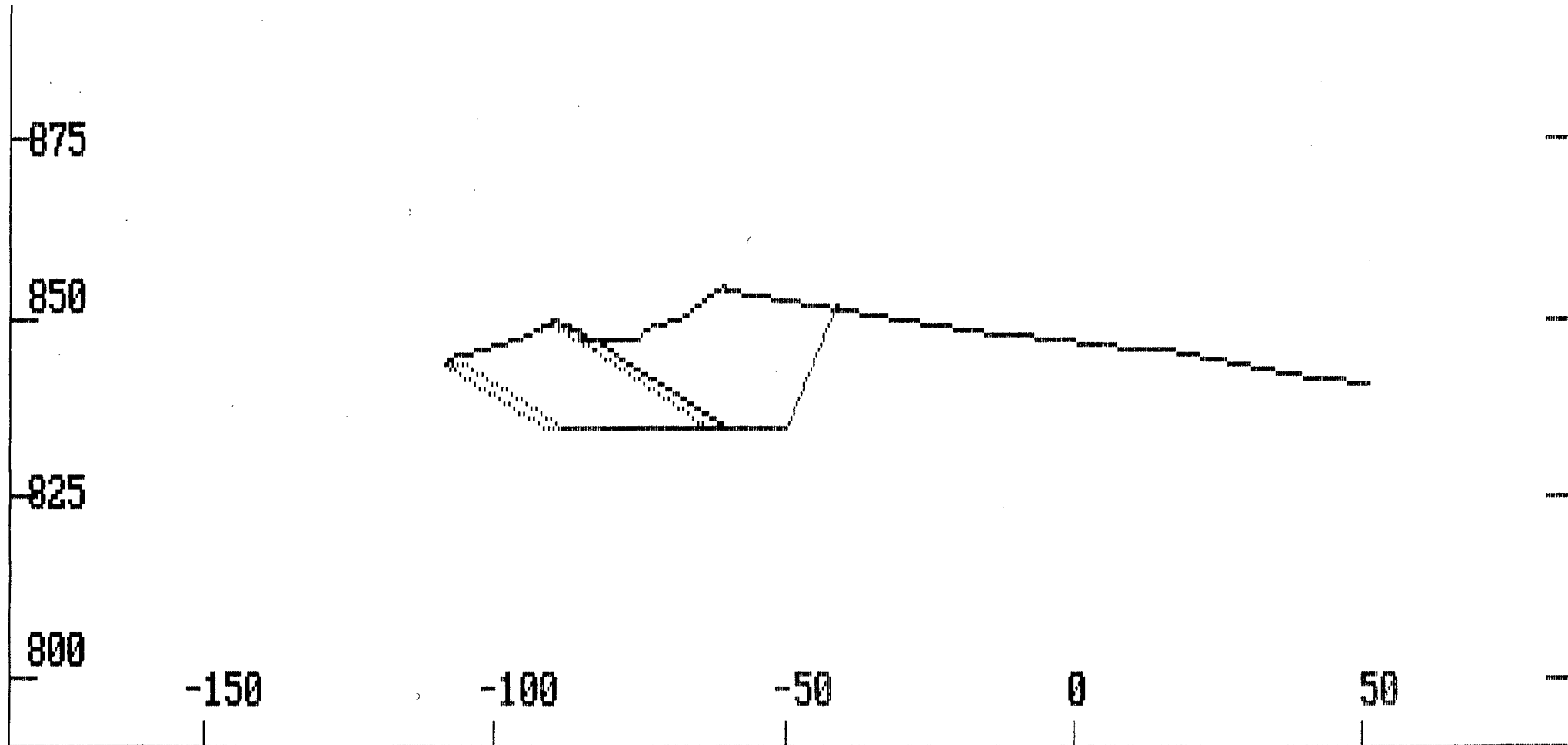
DATE: 88.02.05

Horizontal Scale 1: 1200

Vertical Scale 1: 1000

Temp. Left 0 Temp. Right 0

TU	O-BURDEN	458.25	BU	U-COAL	42.20
TL	U-BURDEN	300.05	BL	L-COAL	27.80

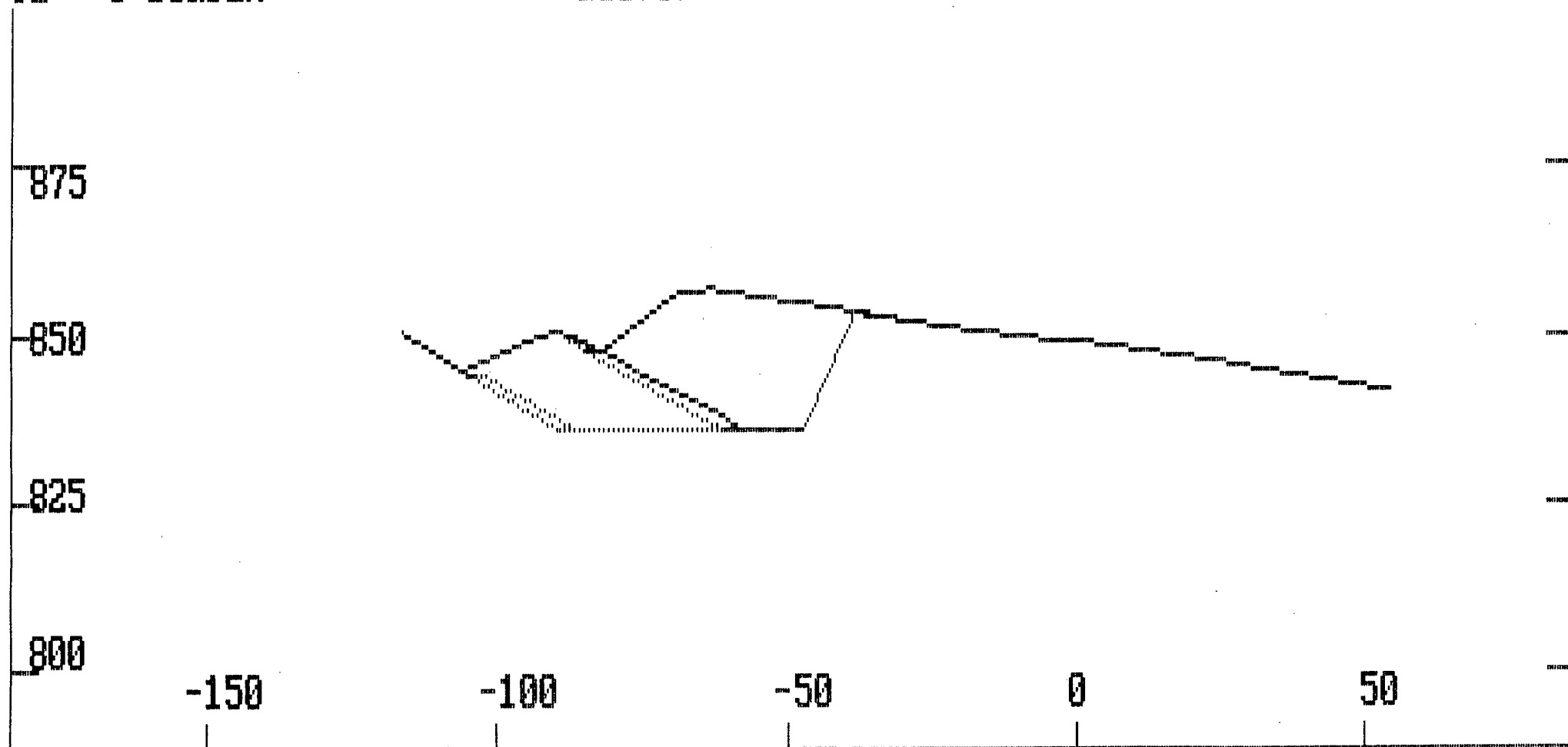


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0

STATION 255.0
Temp. Right 0

DATE: 88.02.05
Vertical Scale 1: 1000

TU	O-BURDEN	575.37	BU	U-COAL	42.26
TL	U-BURDEN	288.98	BL	L-COAL	27.26



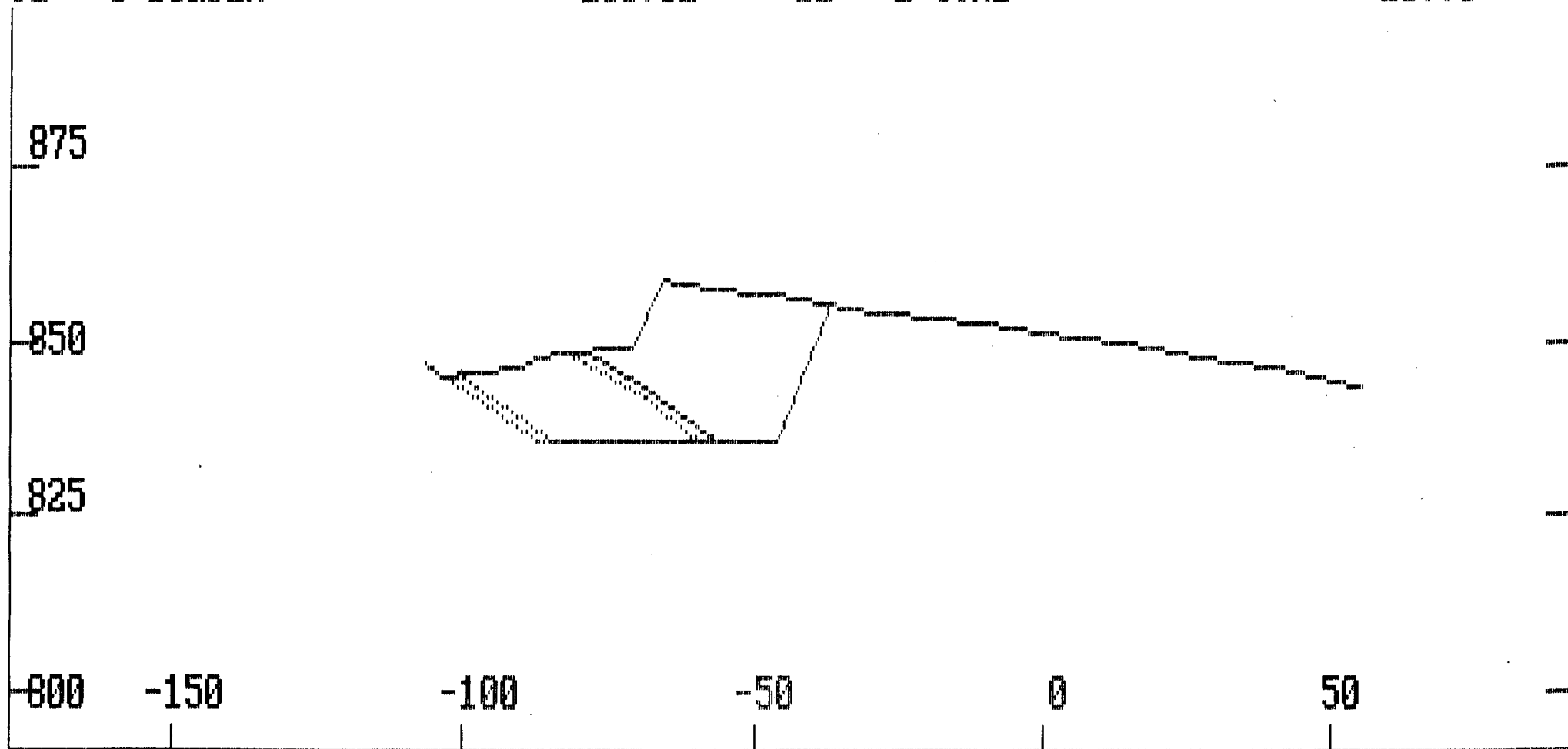
Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0

STATION 270.0

DATE: 88.02.05
Vertical Scale 1: 1000

Temp. Right 0

TU	O-BURDEN	560.10	BU	U-COAL	38.14
TL	U-BURDEN	268.52	BL	L-COAL	25.76



Project: 882a

STATION 285.0

DATE: 88.02.05

Horizontal Scale 1: 1200

Vertical Scale 1: 1000

Temp. Left 0 Temp. Right 0

TU 0-BURDEN

504.04

BU U-COAL

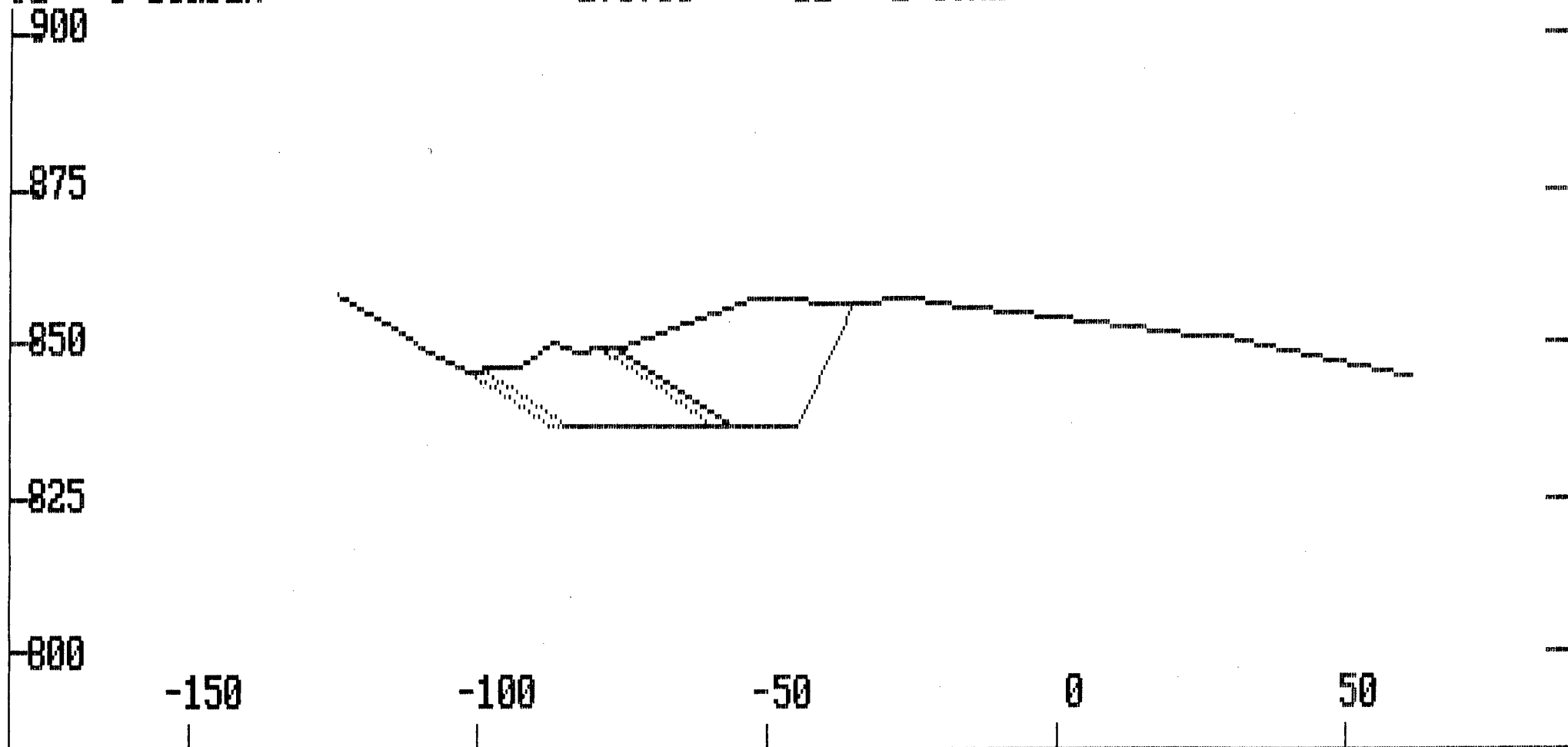
34.05

TL U-BURDEN

275.33

BL L-COAL

23.04



Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0

STATION 300.0

DATE: 88.02.05
Vertical Scale 1: 1000

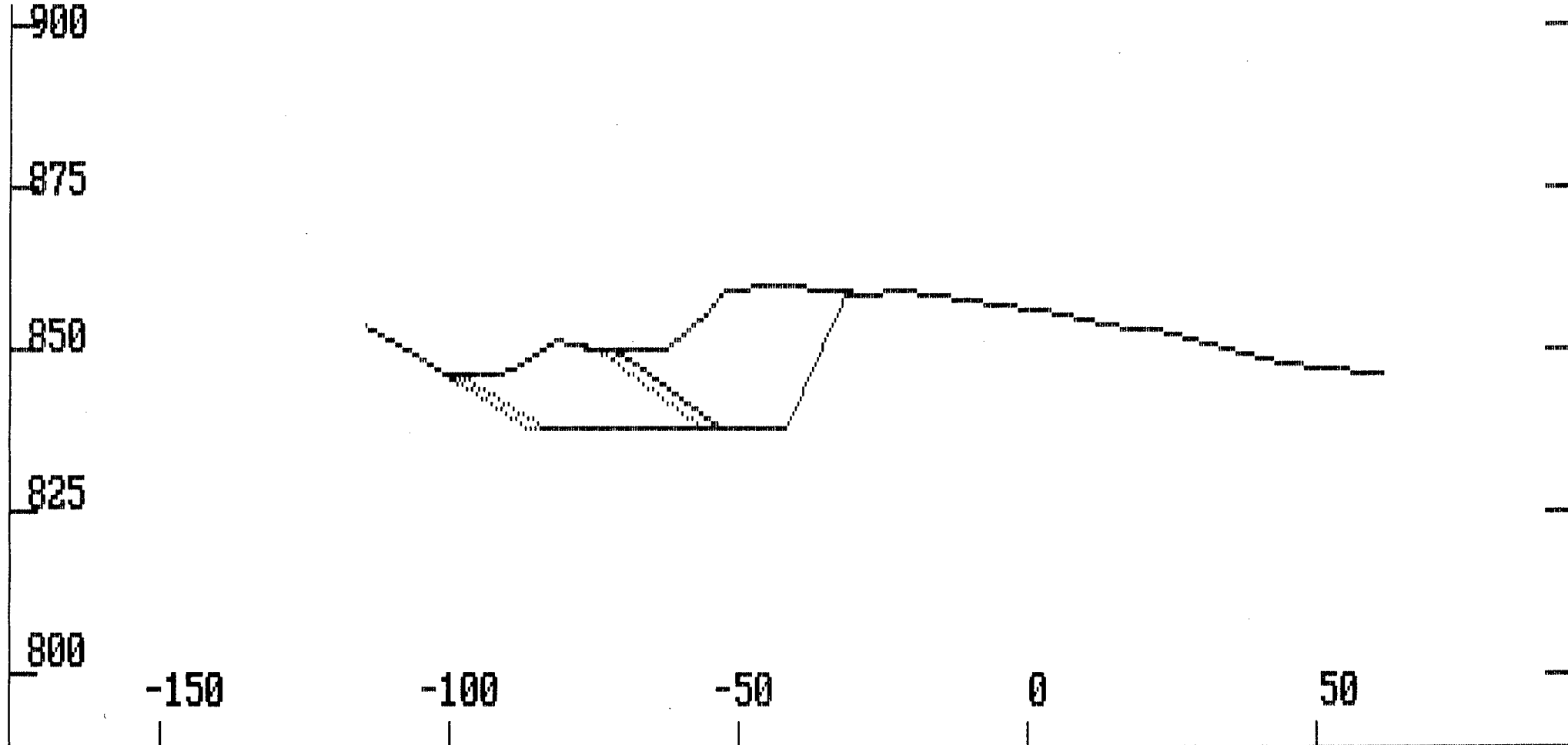
Temp. Right 0

TU 0-BURDEN
TL U-BURDEN

495.92
300.52

BU U-COAL
BL L-COAL

32.18
25.07



Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0

STATION 315.0

DATE: 88.02.05
Vertical Scale 1: 1000

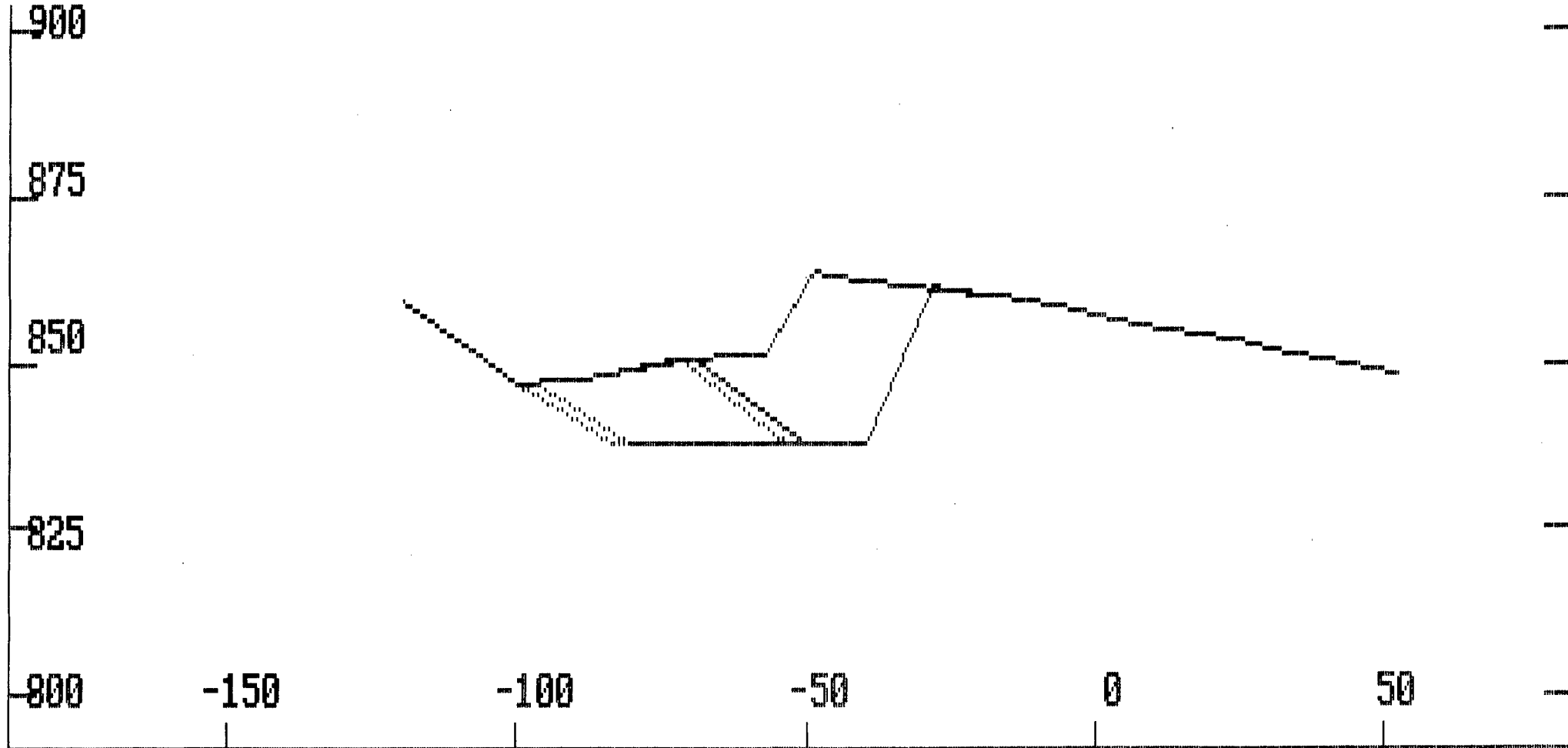
Temp. Right 0

TU 0-BURDEN
TL U-BURDEN

567.25
299.65

BU U-COAL
BL L-COAL

32.67
26.81

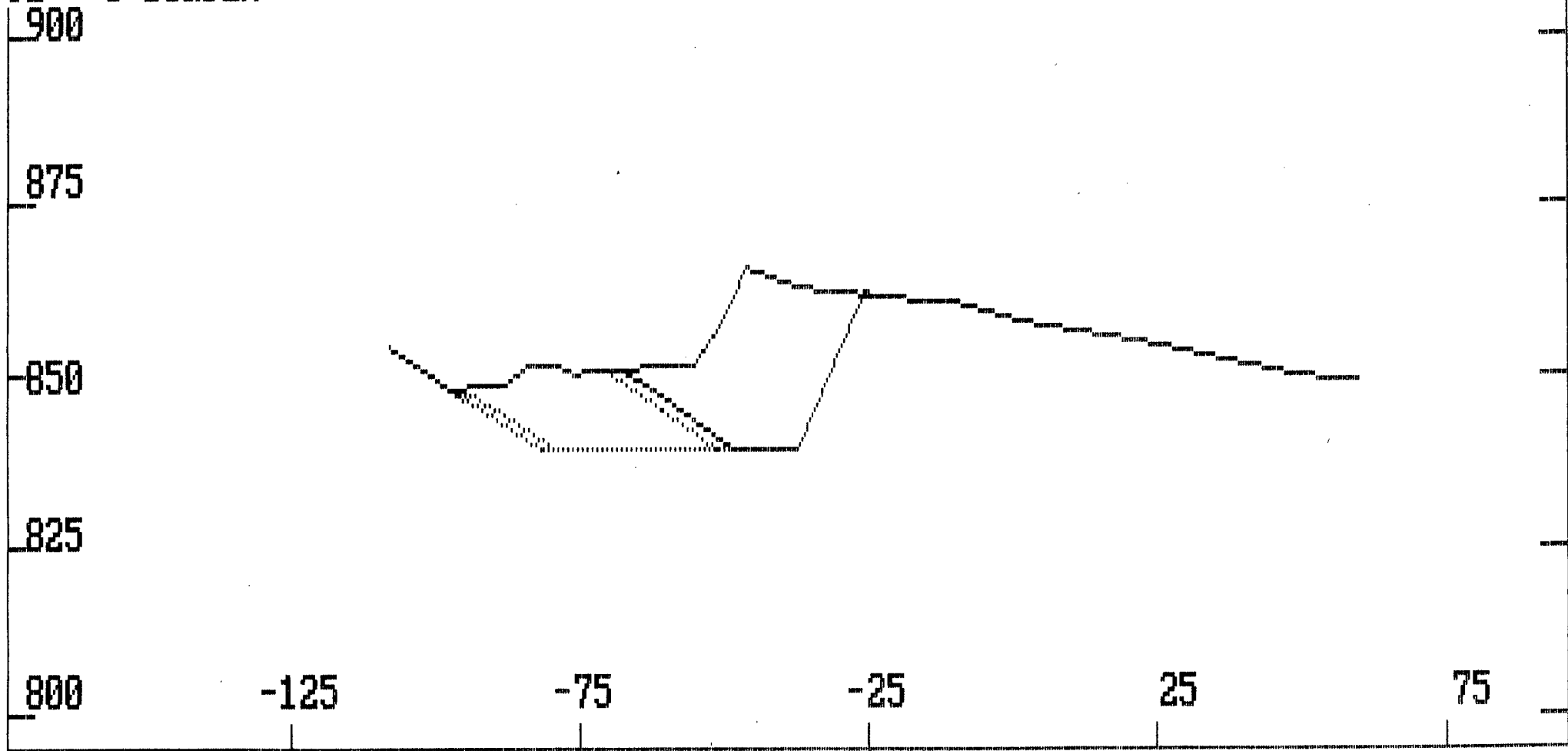


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0

STATION 330.0
Temp. Right 0

DATE: 88.02.05
Vertical Scale 1: 1000

TU	O-BURDEN	567.52	BU	U-COAL	32.35
TL	U-BURDEN	311.38	BL	L-COAL	24.46

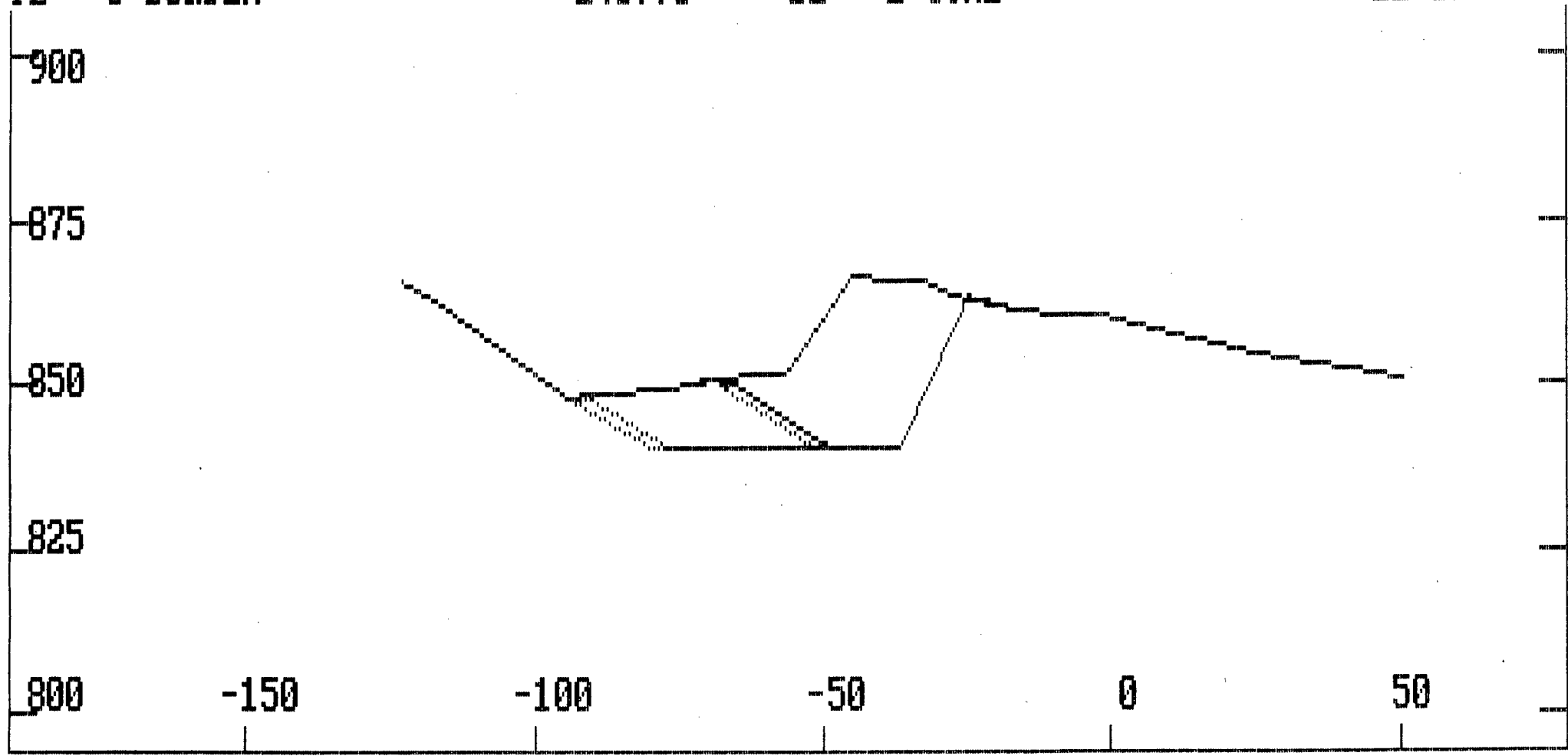


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 345.0

DATE: 88.02.05
Vertical Scale 1: 1000

TU	O-BURDEN	603.48	BU	U-COAL	30.45
TL	U-BURDEN	243.70	BL	L-COAL	22.88

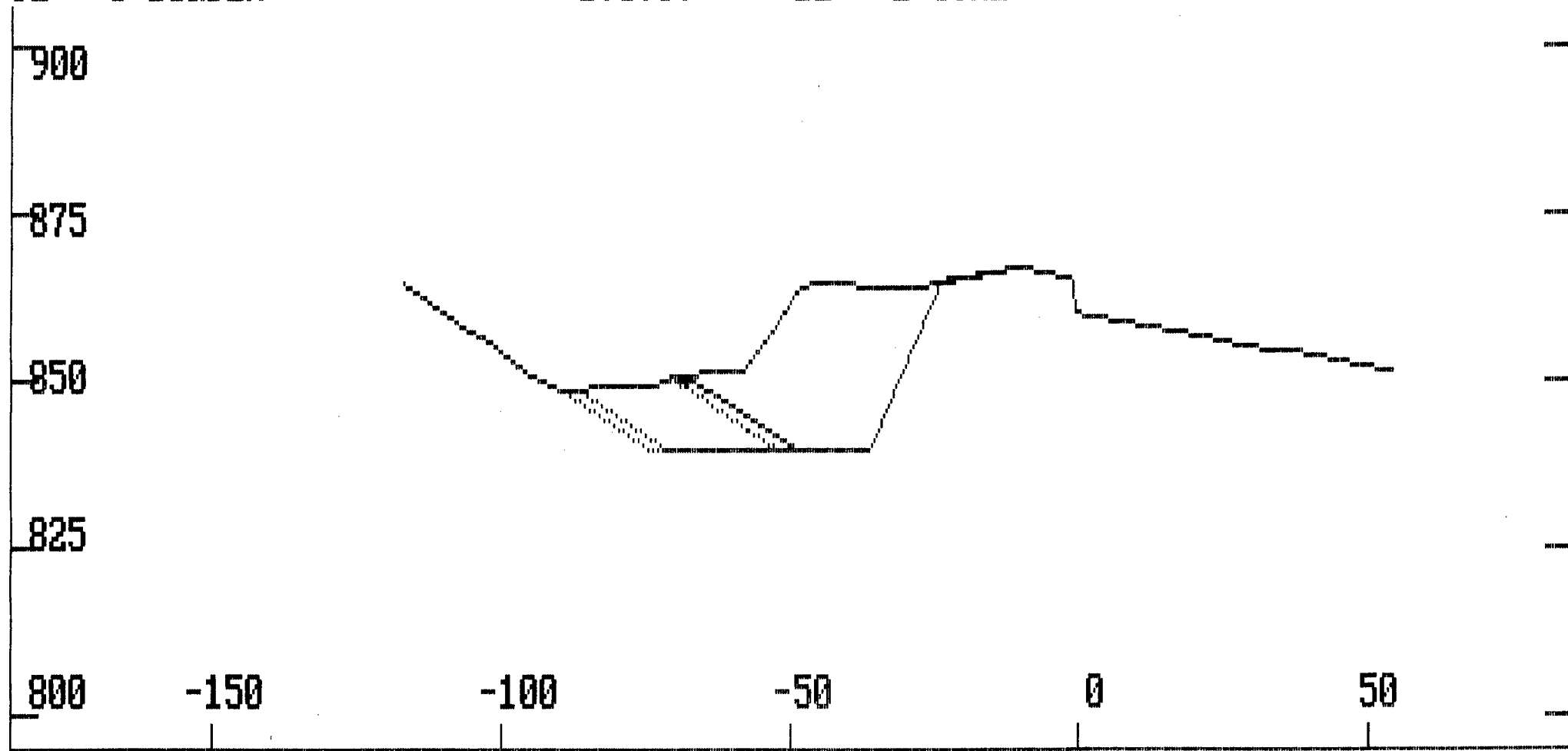


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0

STATION 360.0
Temp. Right 0

DATE: 88.02.05
Vertical Scale 1: 1000

TU	O-BURDEN	614.28	BU	U-COAL	30.82
TL	U-BURDEN	175.97	BL	L-COAL	24.74

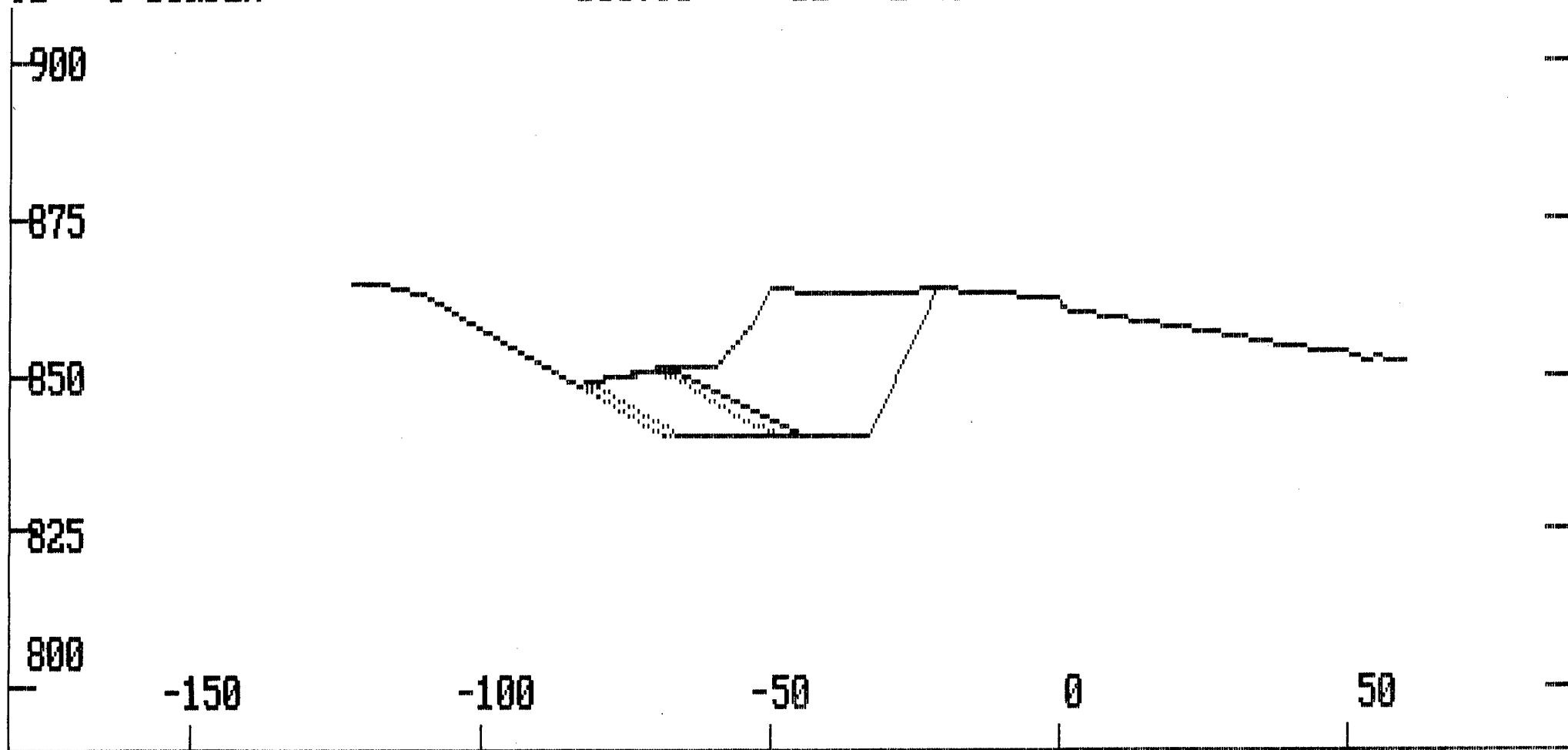


Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0 Temp. Right 0

STATION 375.0

DATE: 88.02.05
Vertical Scale 1: 1000

TU	O-BURDEN	646.90	BU	U-COAL	36.74
TL	U-BURDEN	153.96	BL	L-COAL	24.45



Project: 882a

STATION

390.0

DATE: 88.02.05

Horizontal Scale 1: 1201

Vertical Scale 1: 1001

Temp. Left 0 Temp. Right 0

TU 0-BURDEN

704.47

BU U-COAL

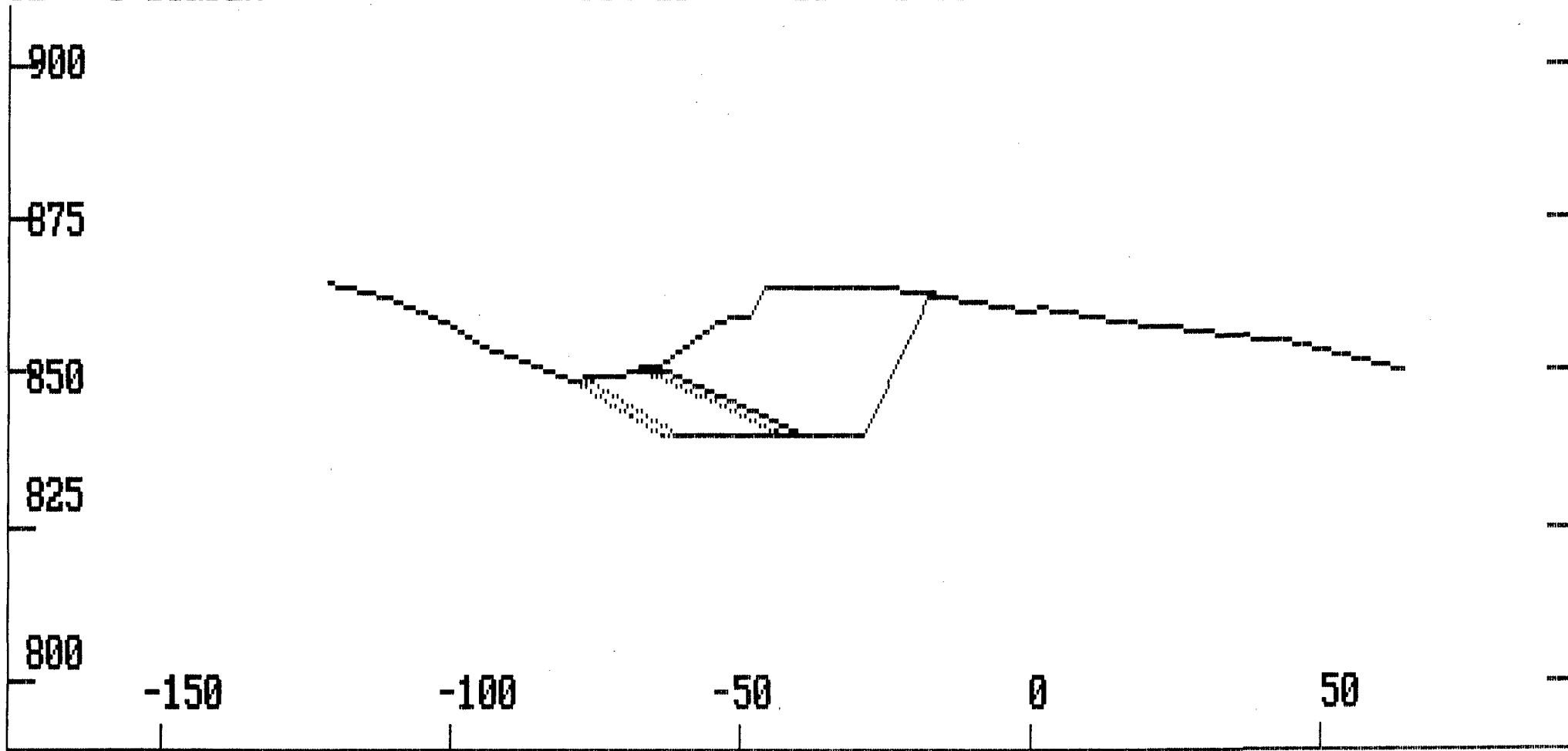
39.41

TL U-BURDEN

152.12

BL L-COAL

25.06



Project: 882a
Horizontal Scale 1: 1200
Temp. Left 0

STATION 405.0
Temp. Right 0

DATE: 88.02.05
Vertical Scale 1: 1000

TU 0-BURDEN
TL U-BURDEN

573.66
130.84

BU U-COAL
BL L-COAL

37.96
29.70

