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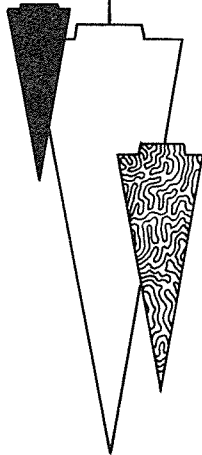
CANADIAN

Javelin

LIMITED

JULIAN DEPOSIT
ESTIMATE OF TONNAGE
OPEN PIT MINING

June 17, 1963
D. Knowles



100 BRONSON AVE., OTTAWA 4, ONTARIO

JULIAN DEPOSIT - ESTIMATE OF TONNAGE POTENTIAL
OPEN PIT MINING

- Notes 1) Estimate covers indicated ore within the deposit.
- 2) Side slopes, 30° on north side, 45° south side, bottom elevation 1200. Rock stripping included between 8000E and 11,500E, other sections - slopes taken from surface magnetic contact.
- 3) Scale, 1 inch equals 400 ft.
- 4) Ore factor, 6.67×10^6 tons per square inch of area at 12 cubic feet per ton.
- 5) Rock factor, 6.00×10^6 tons per square inch of area at 13.35 cubic feet per ton.
- 6) Overburden factor, 3×10^6 cubic yards per square inch of area.
- 7) This estimate is the 1960 reserve estimate revised and expanded to cover the ore body extension into the L M & E leased areas.
- 8) Depths of water and overburden in extension based upon soundings and magnetic interpretation.

JULIAN DEPOSIT - ESTIMATE OF TONNAGE

OPEN PIT MINING

Reasonable Pit Limits

Western Extension - 5000E to 7500E

Indicated Ore	-	165,400,000 tons
Overburden	-	24,140,000 cubic yards
Rock	-	no estimate

Central Section - 8000E to 13,000E

Indicated Ore	-	490,800,000 tons
Overburden	-	24,120,000 cubic yards
Rock	-	10,440,000 tons

Eastern Extension - 13,500E to 16,000E

Indicated Ore	-	239,500,000 tons
Overburden	-	36,010,000 cubic yards
Rock	-	no estimate

Totals - reasonable pit limits - depth to -530 feet below lake

Indicated Ore	-	895,700,000 tons
Overburden	-	84,270,000 cubic yards
Rock, Central Section	-	10,440,000 tons

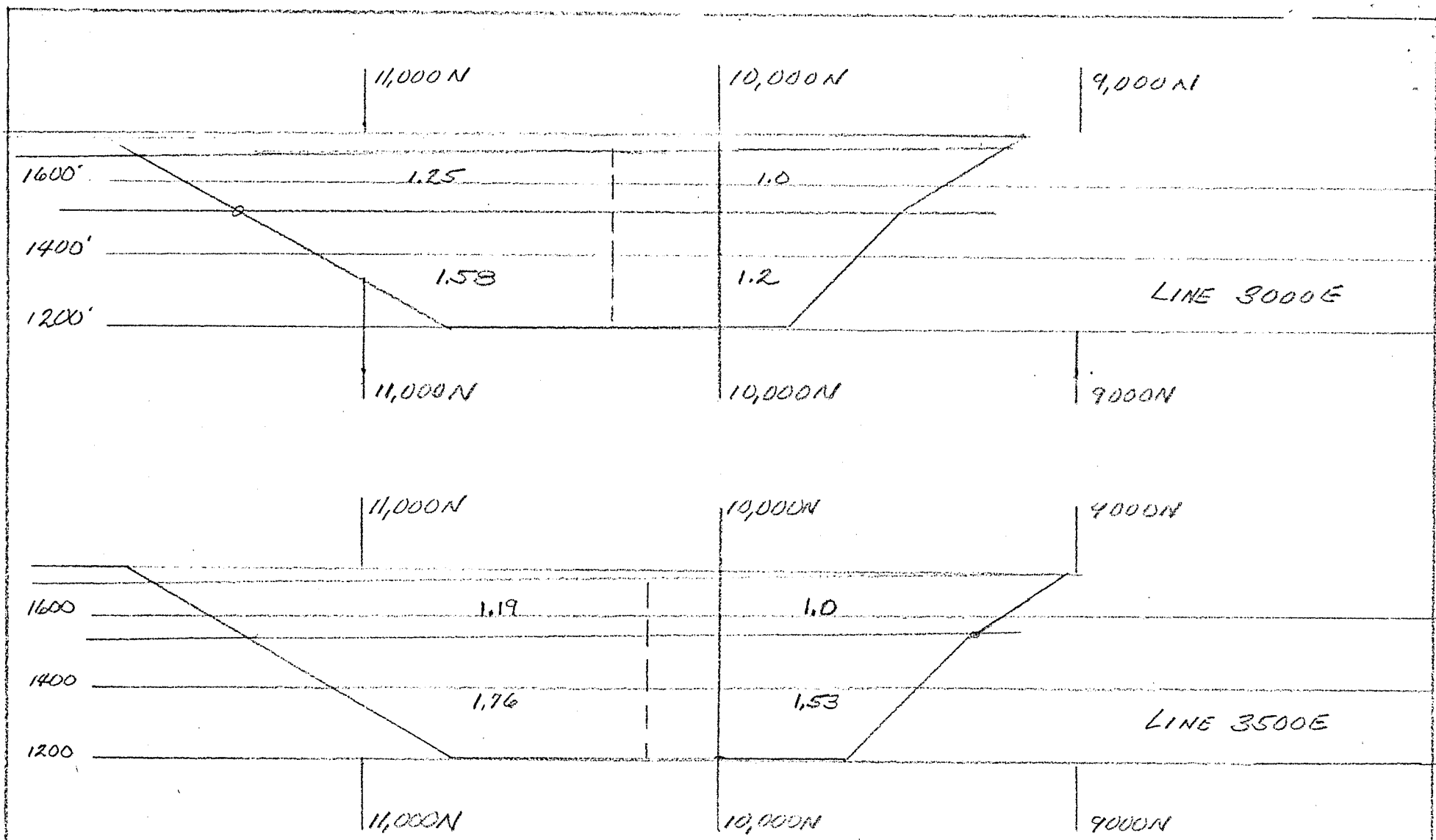
D. Knowles
June 17, 1963

Section	Depth of Water	Depth of Over- burden	Ore in ²	Ore Tons x 10 ⁶	Overburden in ²	Yards ³ x 10 ⁶	Rock in ²	Tons x 10 ⁶
<u>Western Extension</u>								
3000E	40-50	180	2.78	18.3	2.25	6.75		
3500E	35-45	170	3.29	22.0	2.20	6.60		
4000E	11-30	160	4.00	26.6	2.60	7.80		
4500E	0-25	150	3.45	23.0	2.40	7.20		

5000E	0-20	130	4.65	31.0	2.35	7.05		
5500E	0-20	110	4.90	32.6	2.02	6.06		
6000E	0-17	90	4.90	32.6	1.60	4.80		
6500E	0-17	70	4.00	26.6	.93	2.78		
7000E	0-10	50	3.10	20.6	.70	2.10		
7500E	none	40	3.40	22.0	.45	1.35		
Sub total 5000E to 7500E				165.4		24.14		
<u>Central Section</u>								
8000E	none	10	3.71	24.7	.19	.57	.20	1.2
8500E	"	1	3.91	26.1	.17	.50	.21	1.26
9000E	"	1	3.51	23.4	.16	.48	.12	.72
9500E	"	1	6.05	40.4	.22	.66	.18	1.08
10000E	"	1	11.13	73.9	.22	.66	.15	.90
10500E	"	1	11.26	75.1	.11	.33	.22	1.32
11000E	"	10	8.90	59.4	.10	.30	.32	1.92
11500E	"	20	7.26	48.5	.57	1.71	.34	2.04
12000E	"	60	6.45	42.6	.85	2.55		
12500E	0-10	120	5.80	38.7	2.45	7.35		
13000E	0-17	140	5.70	38.0	3.00	9.00		
Sub total				490.8		24.12		10.44

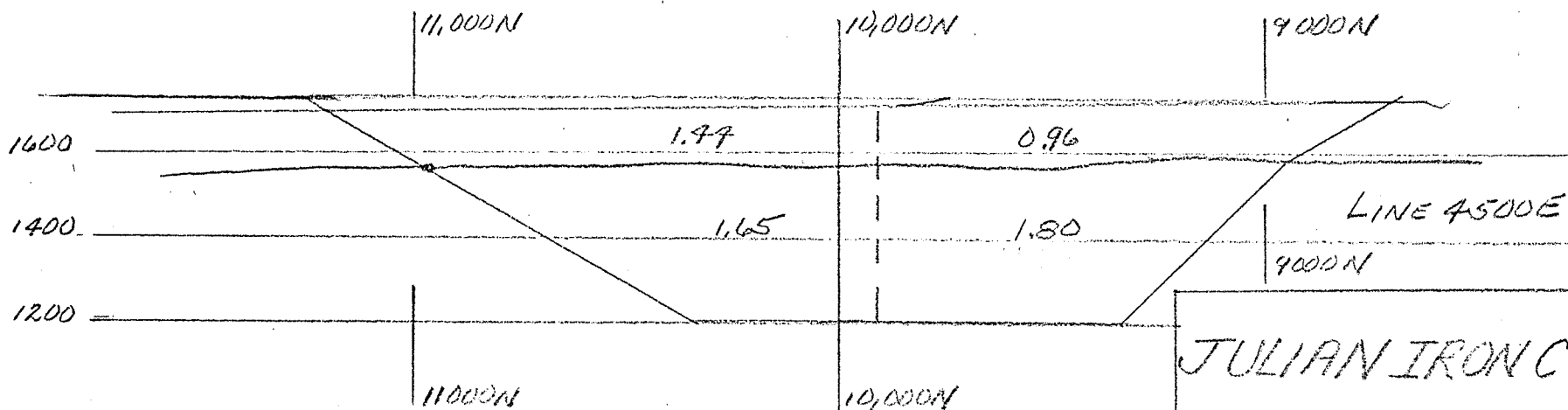
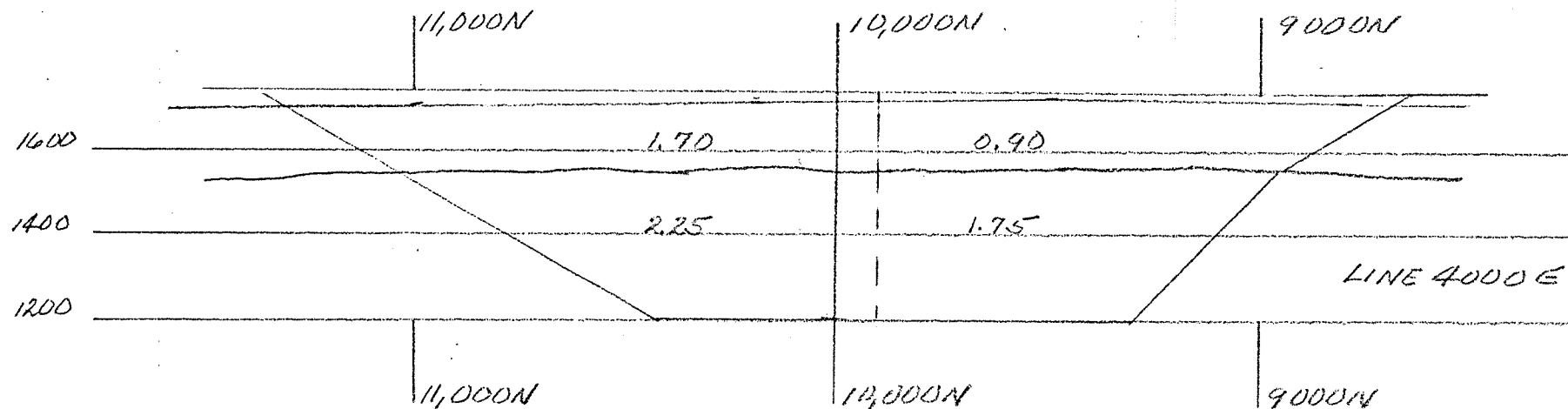
Section	Depth of Water	Depth of Over- burden	Ore in ²	Ore Tons x 10 ⁶	Overburden in ²	Yards ³ x 10 ⁶	Rock in ²	Tons ⁶ x 10 ⁶
<u>Eastern Extension</u>								
13500E	0-9	130	5.86	39.1	2.50	7.50		
14000E	5-12	110	6.25	41.7	2.15	6.45		
14500E	8-27	100	6.30	42.0	1.63	4.90		
15000E	15-25	90	5.43	44.5	1.61	4.80		
15500E	19-30	90	5.40	36.0	1.52	4.56		
16000E	16-35	100	5.45	36.2	2.61	7.80		

16500E	33-40	80	3.67	24.4	1.85	5.52		
17000E	36-46	40	2.66	17.6	1.53	4.60		
17500E	40-60+	20	1.95	13.0	1.10	3.30		
18,000E LM&E	70-80+	20	.93	6.2	1.05	3.15		
Sub total 13500E to 16000E				239.5		36.01		

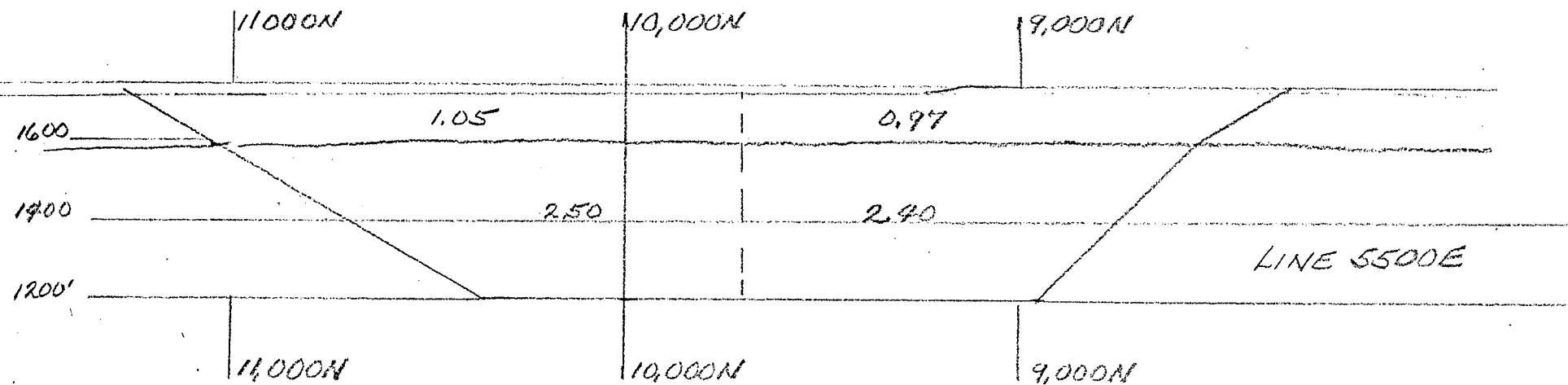
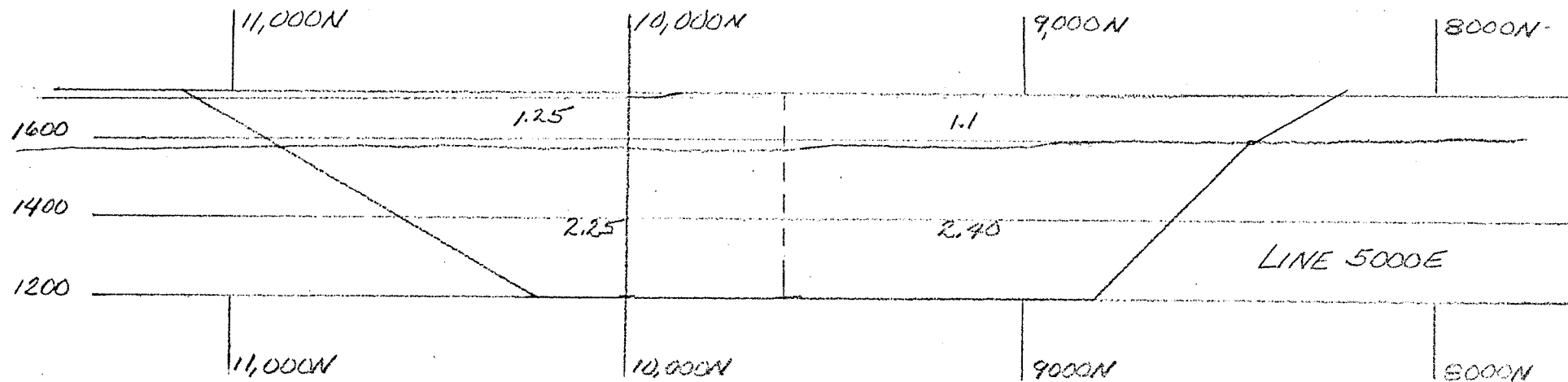


JULIAN IRON CORP.
ORE BODY X-SECT.
LOOKING EAST
SCALE 1" = 400'

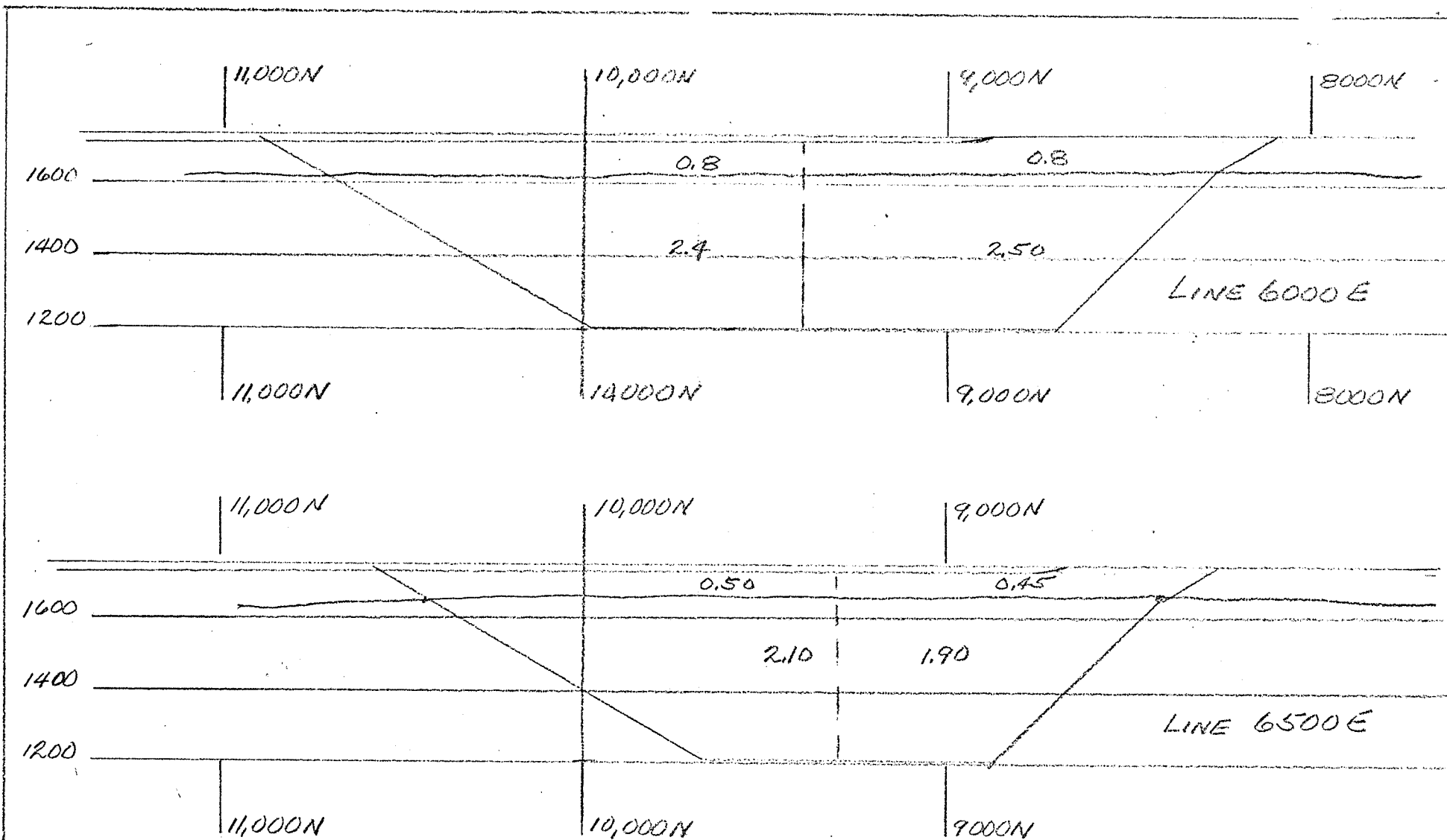
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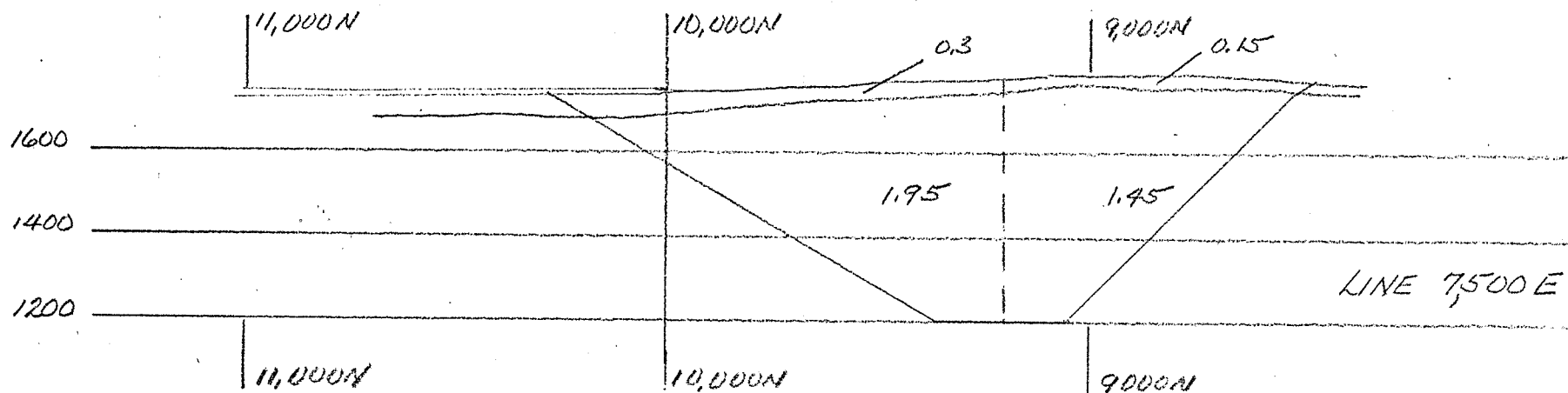
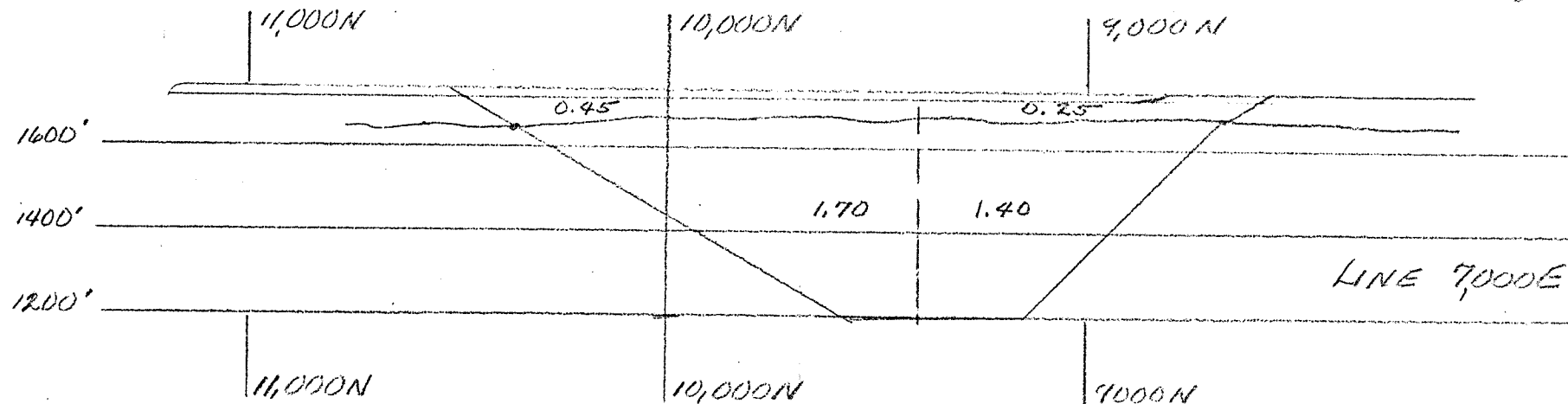
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 ORE BODY X-SECT
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 MAY '63



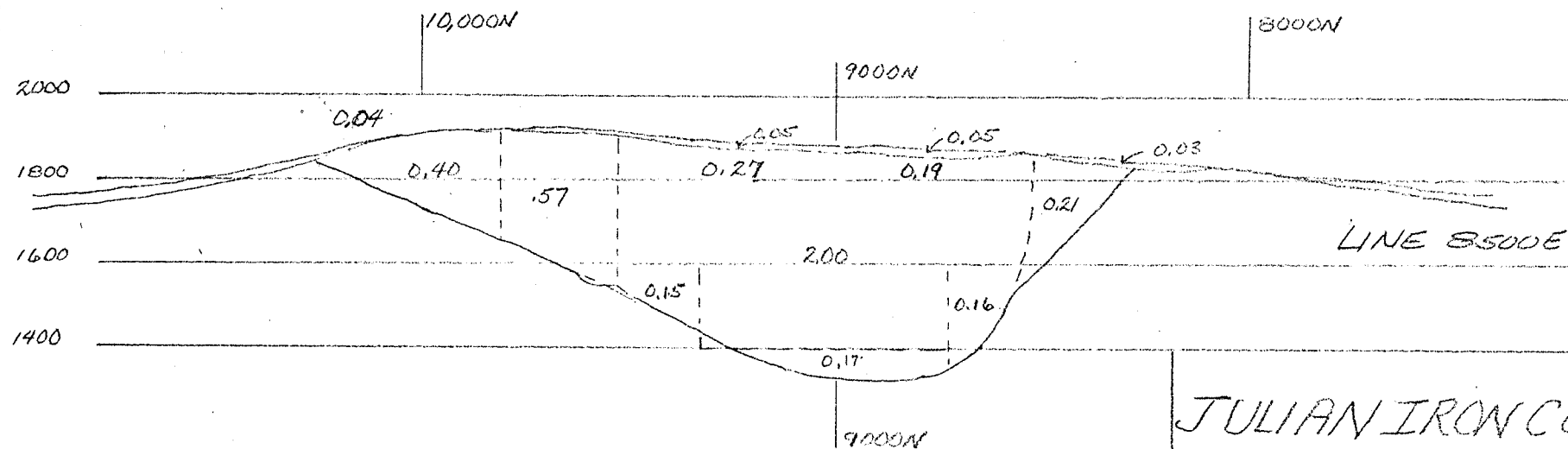
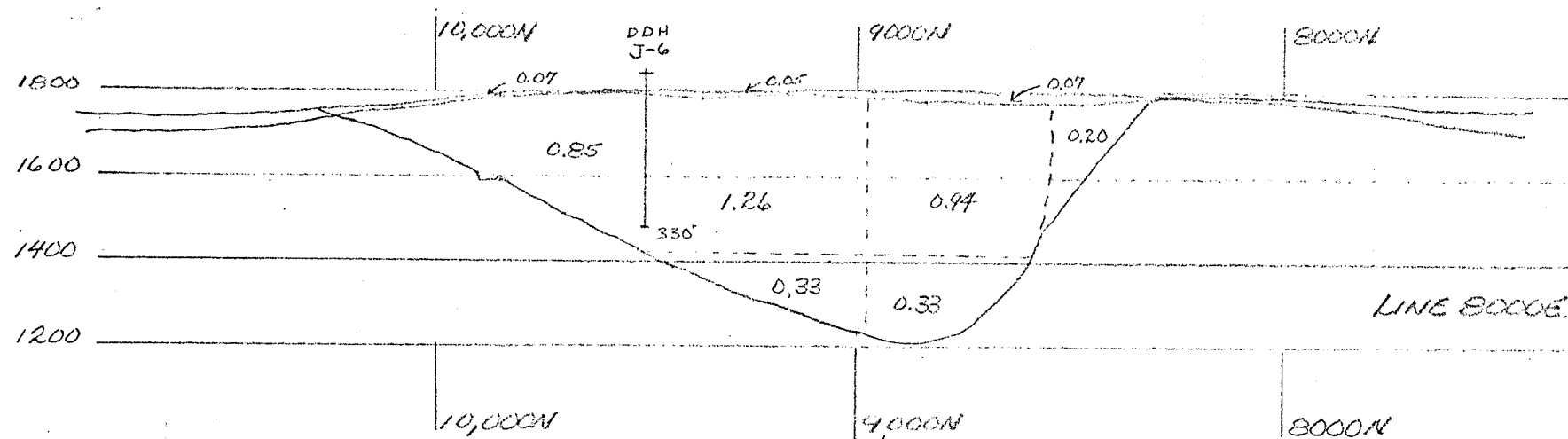
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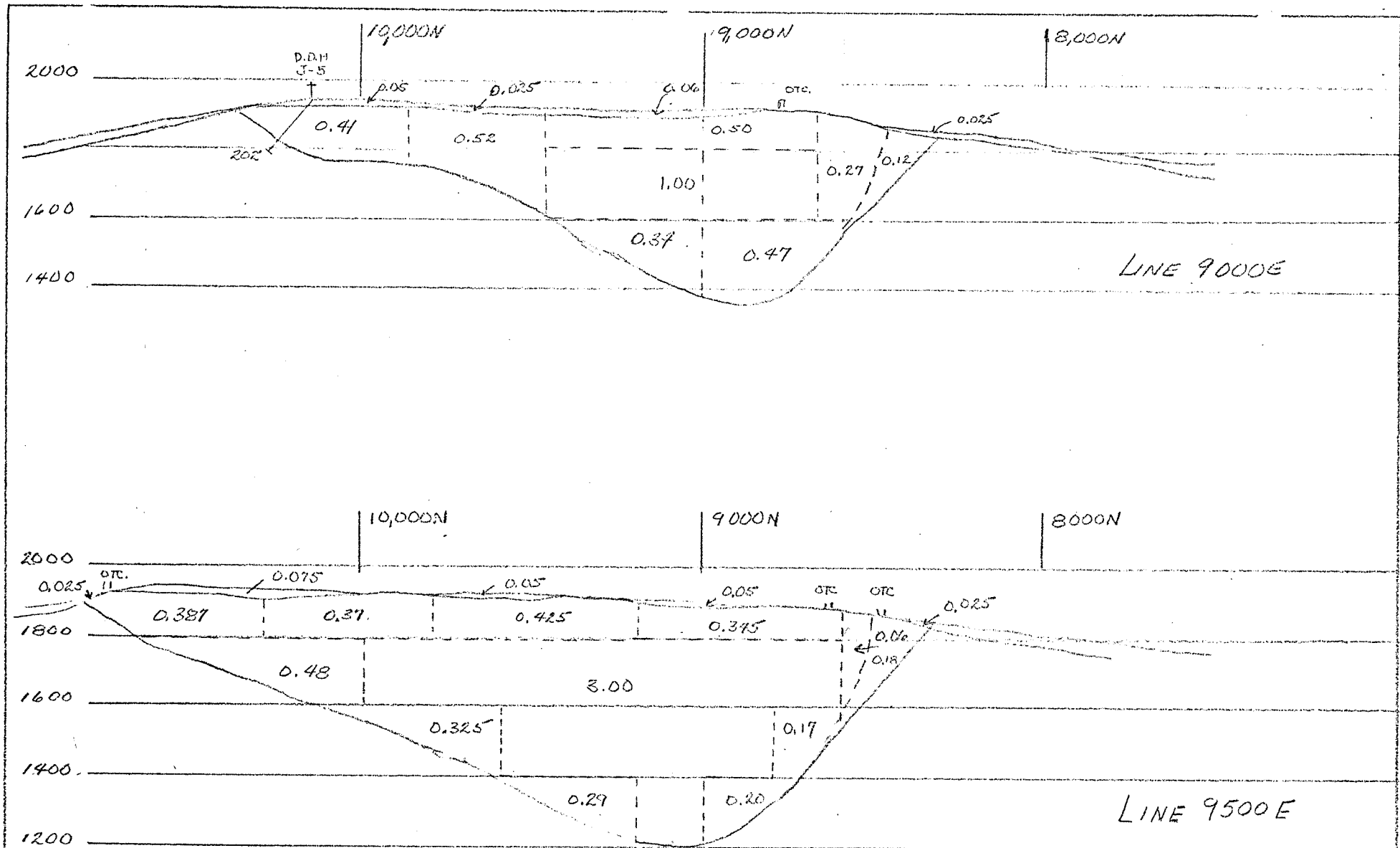
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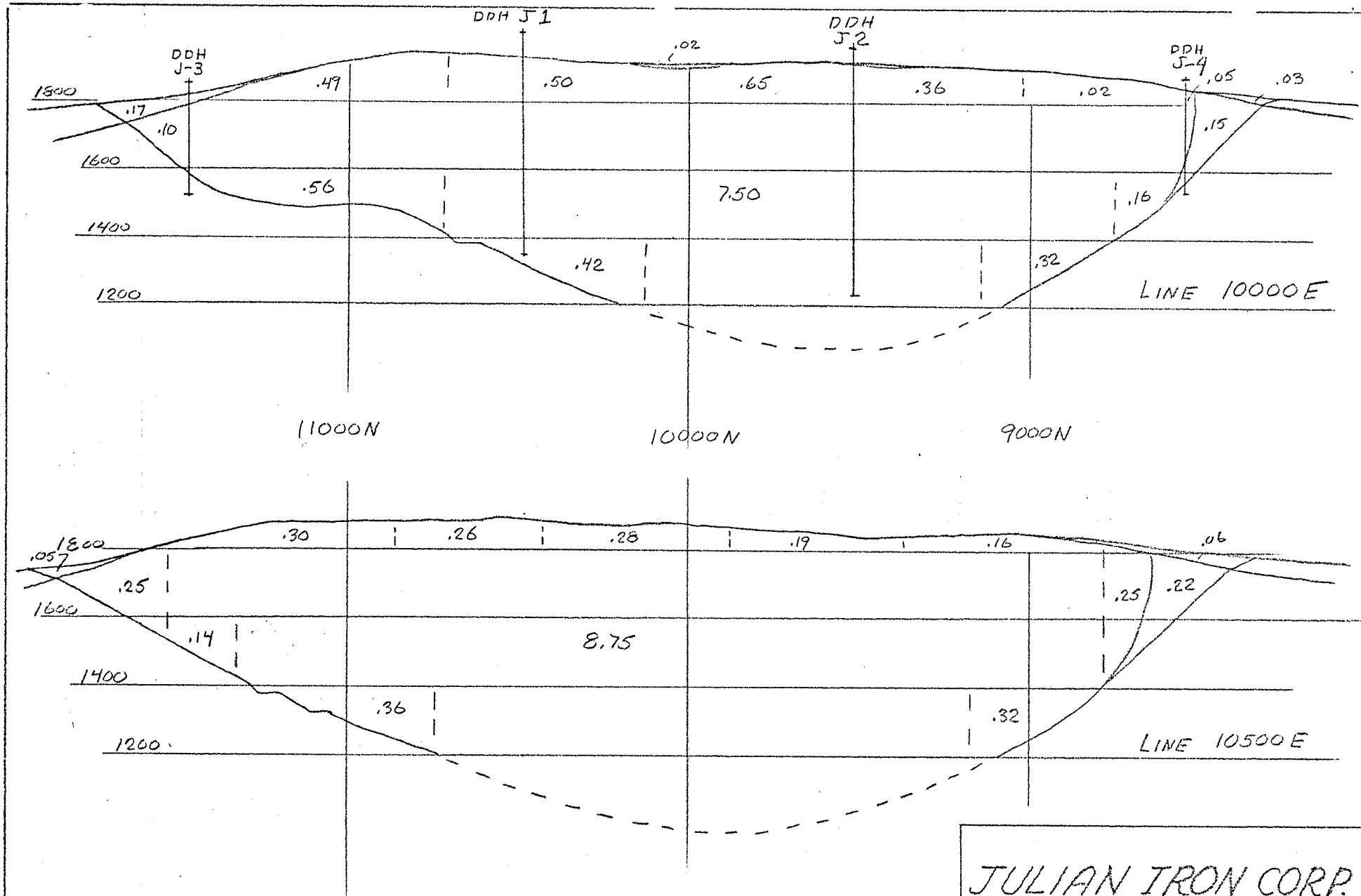
JULIAN IRON CORP.
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 LOOKING EAST
 SCALE 1" = 400'
 MAY 68



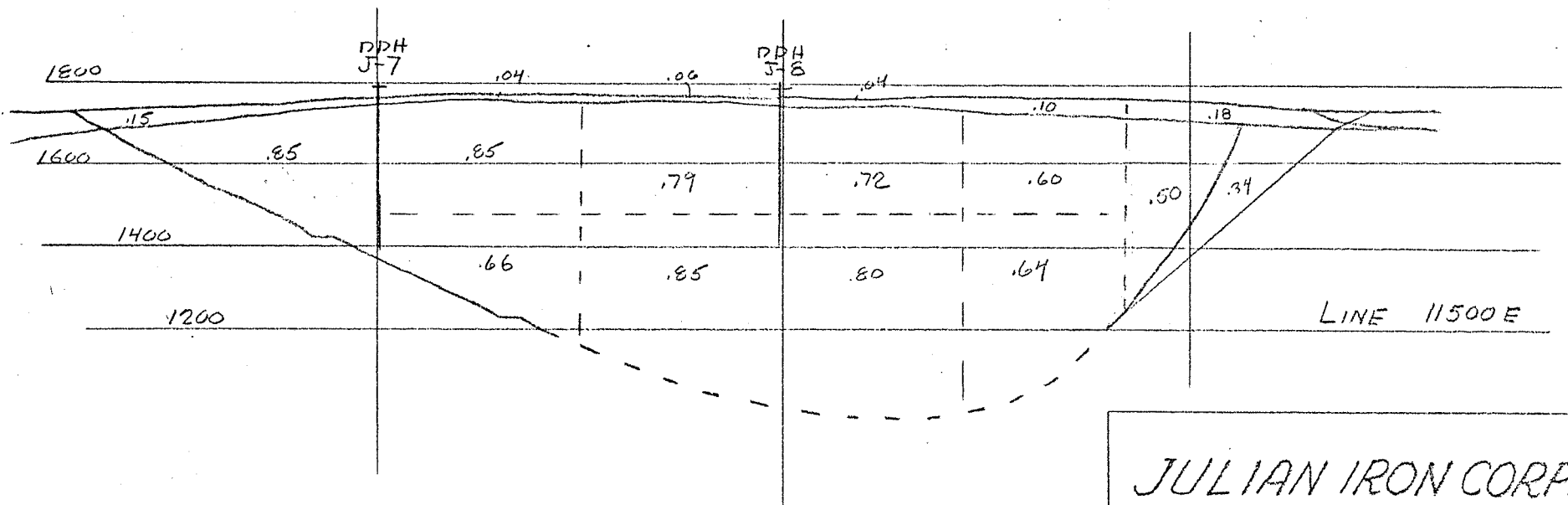
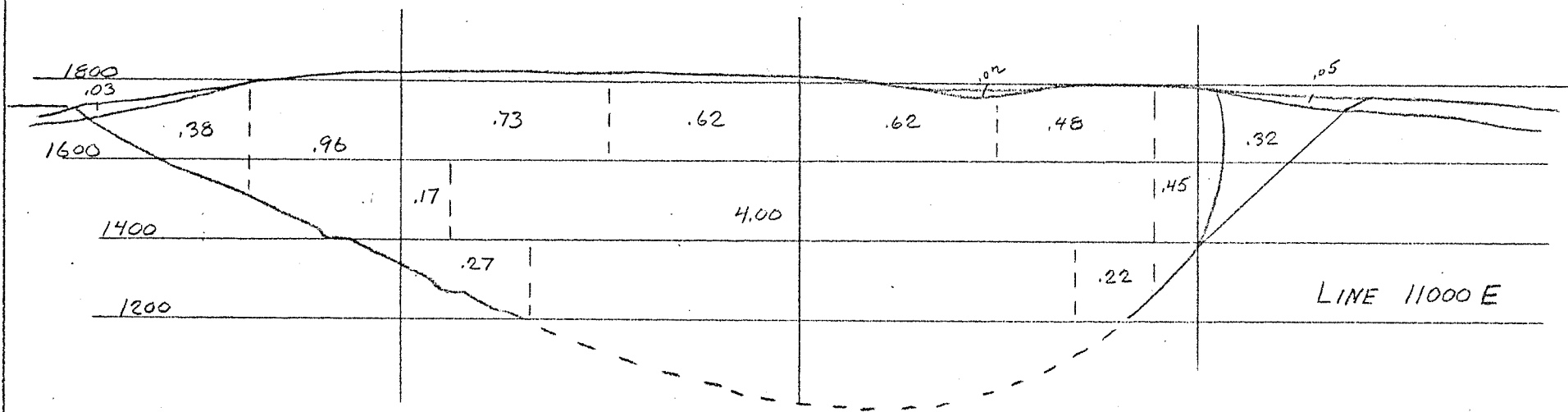
JULIAN IRON CORP
ORE BODY X-SECT
LOOKING EAST
SCALE 1" = 400'



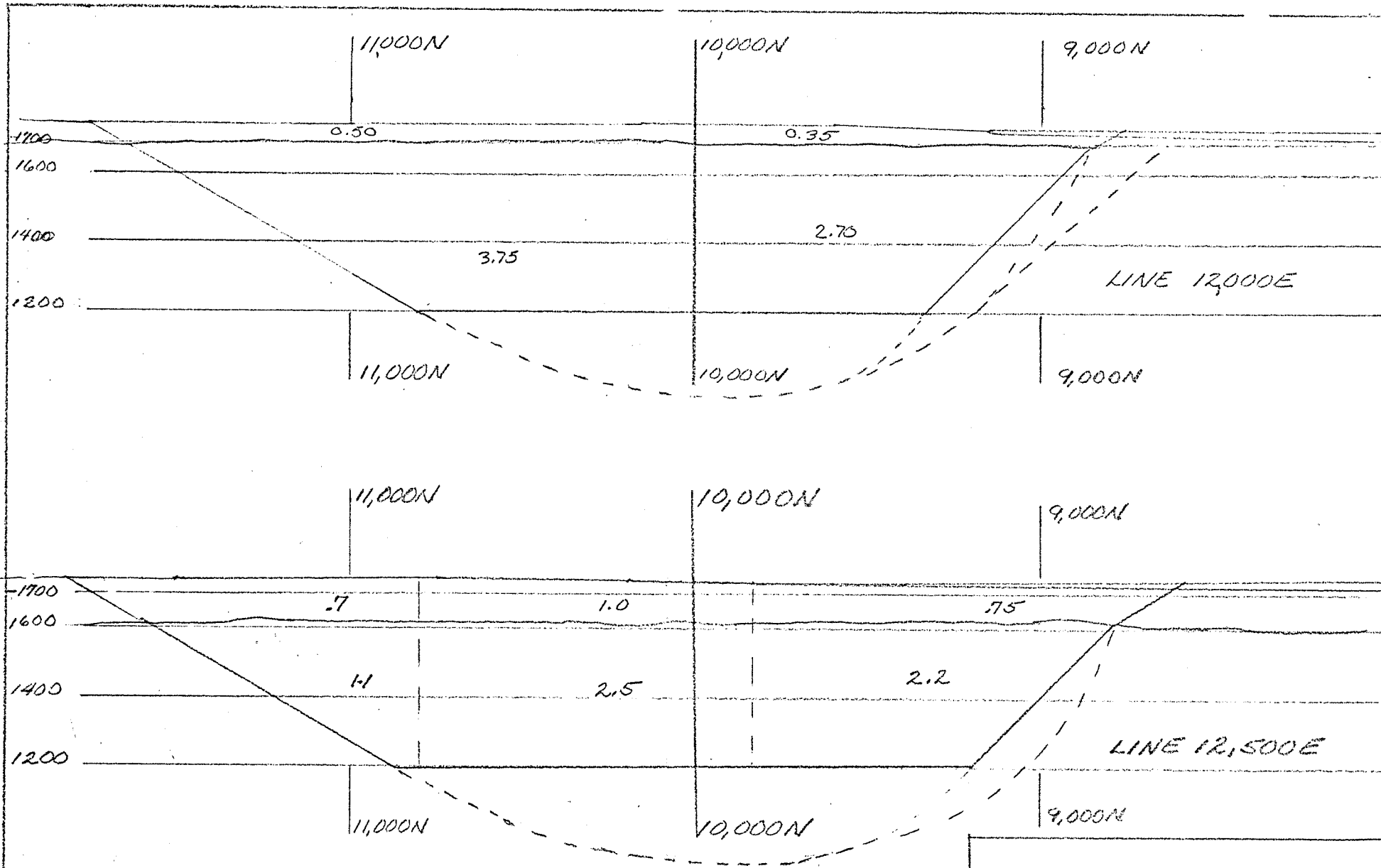
JULIAN IRON CORP.
 ORE BODY X-SECT.
 LOOKING EAST
 SCALE 1" = 400'



JULIAN IRON CORP.
 ORE BODY X-SECT.
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 SCALE 1" = 400'
 MAY '63

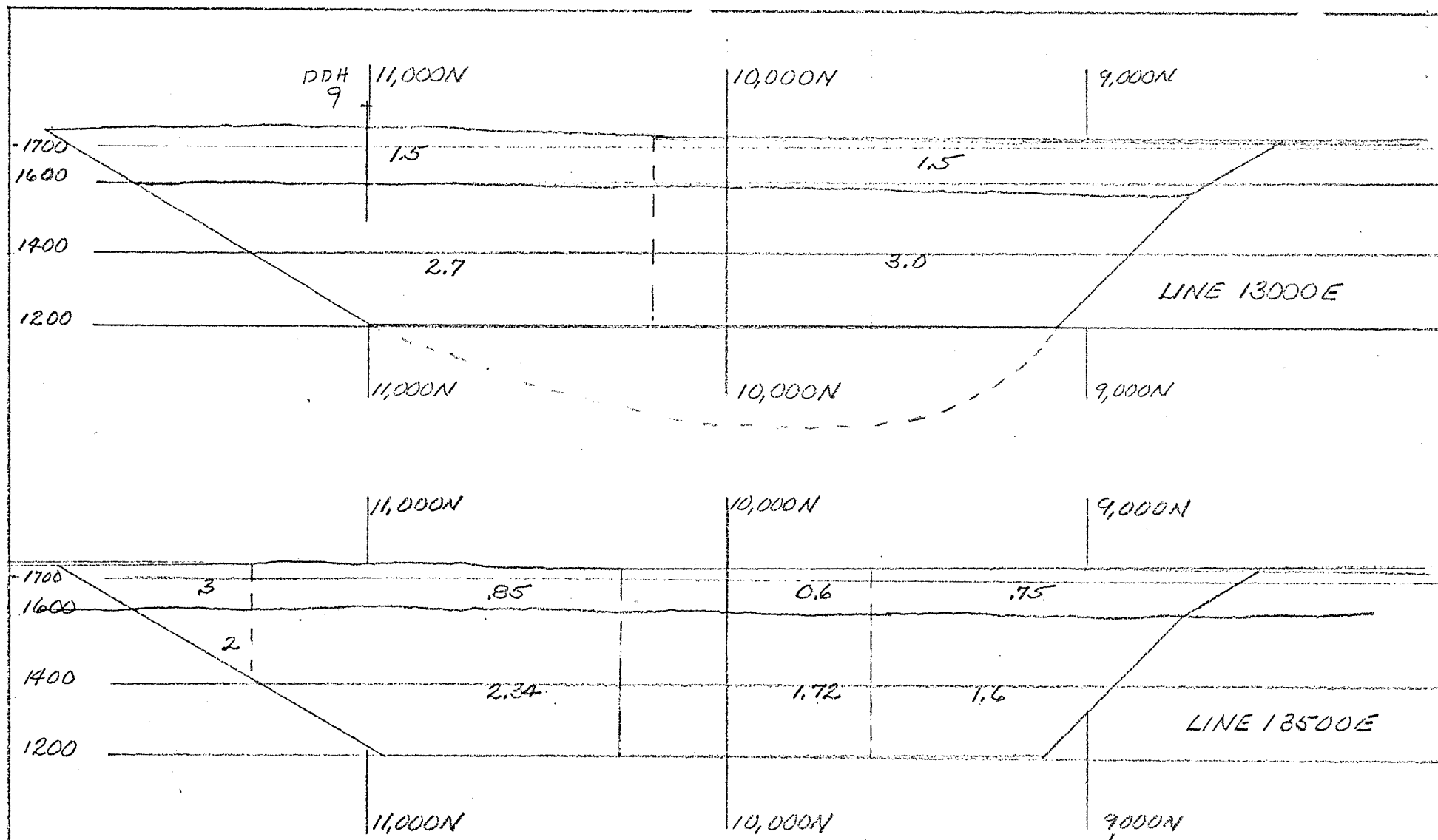


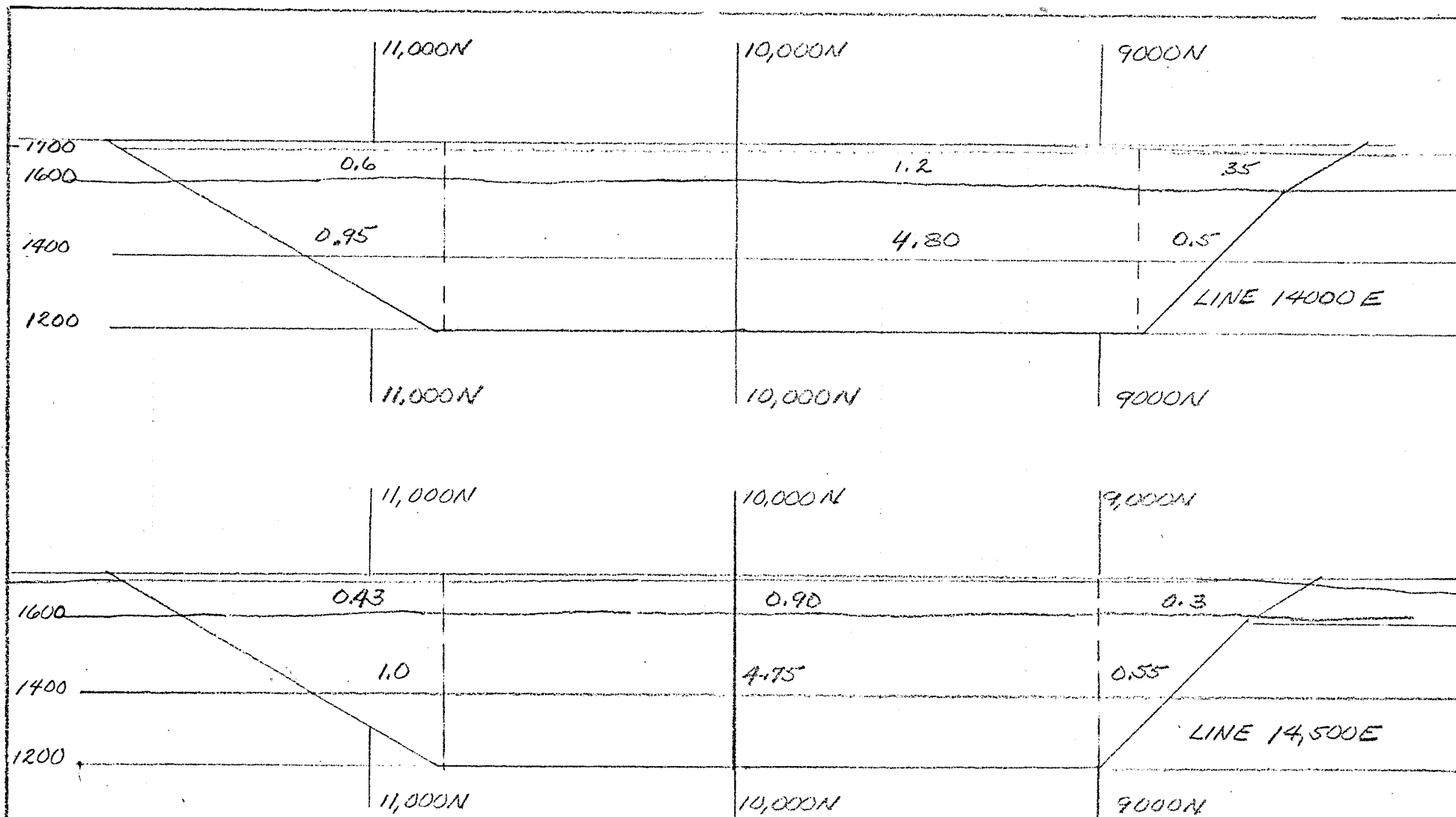
JULIAN IRON CORP.
 ORE BODY X-SECT.
 LOOKING EAST
 SCALE - 1"=400
 MAY '63



JULIAN IRON CORP.
ORE BODY X-SECT,
LOOKING EAST
SCALE 1" = 400'

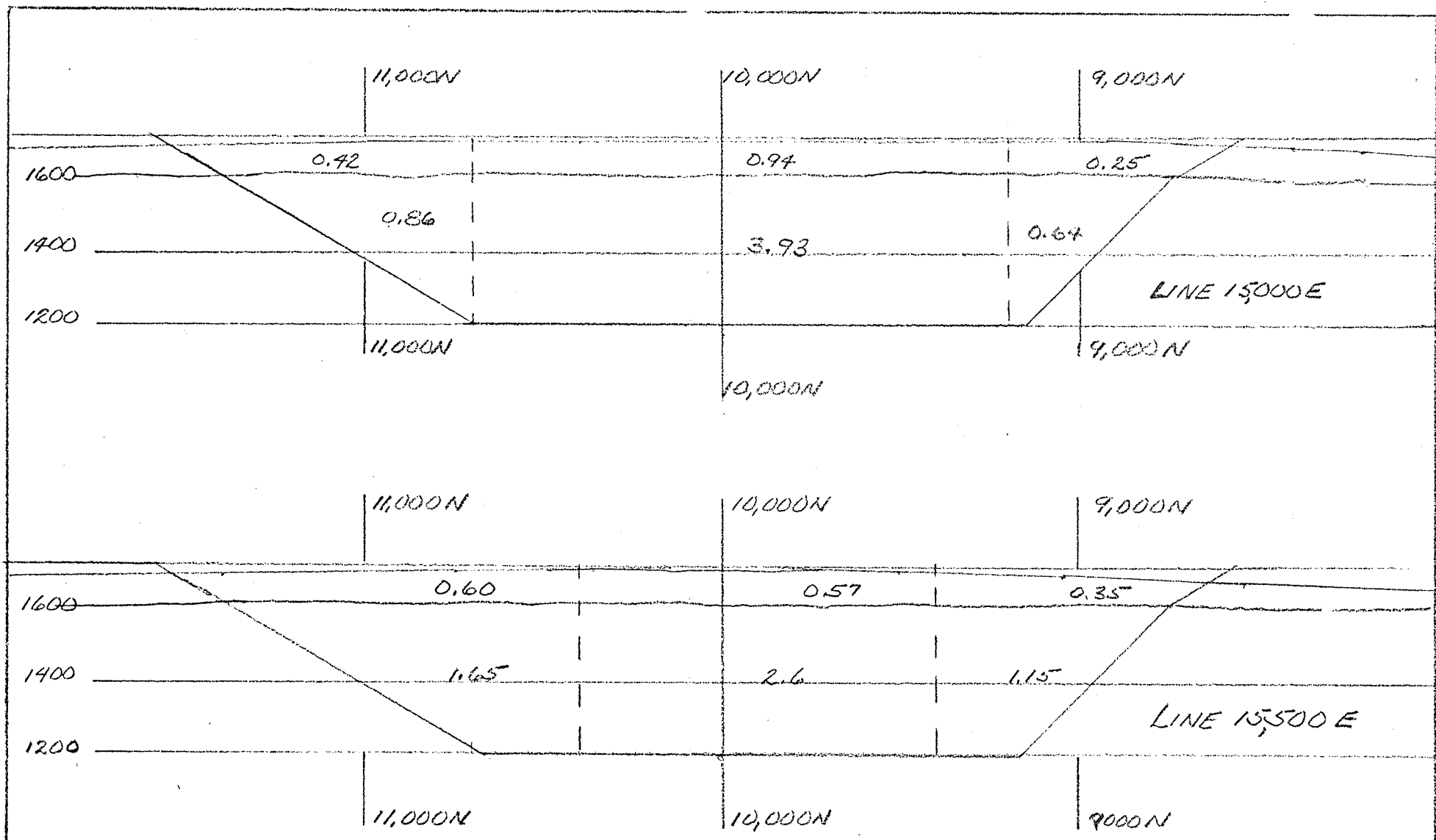
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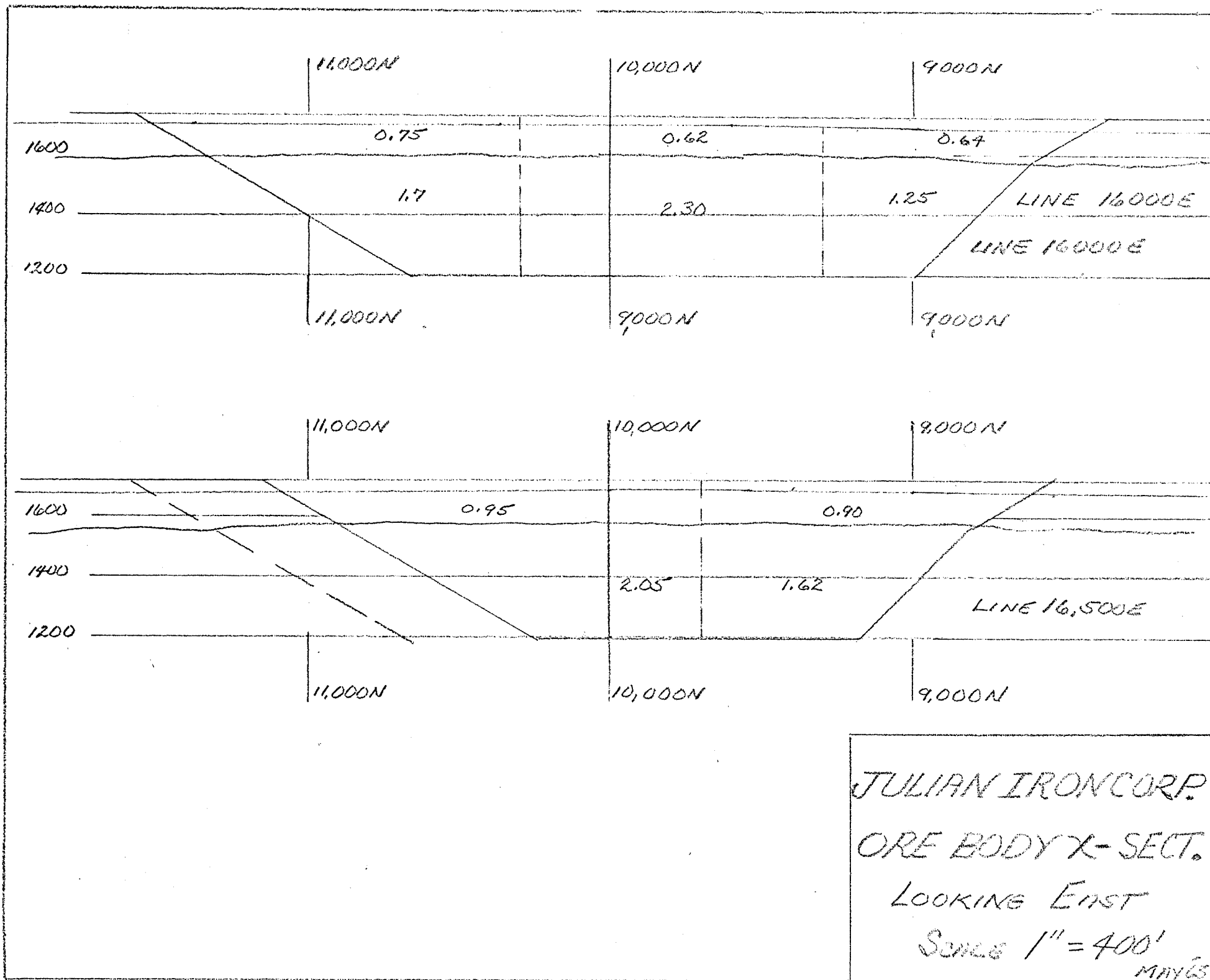


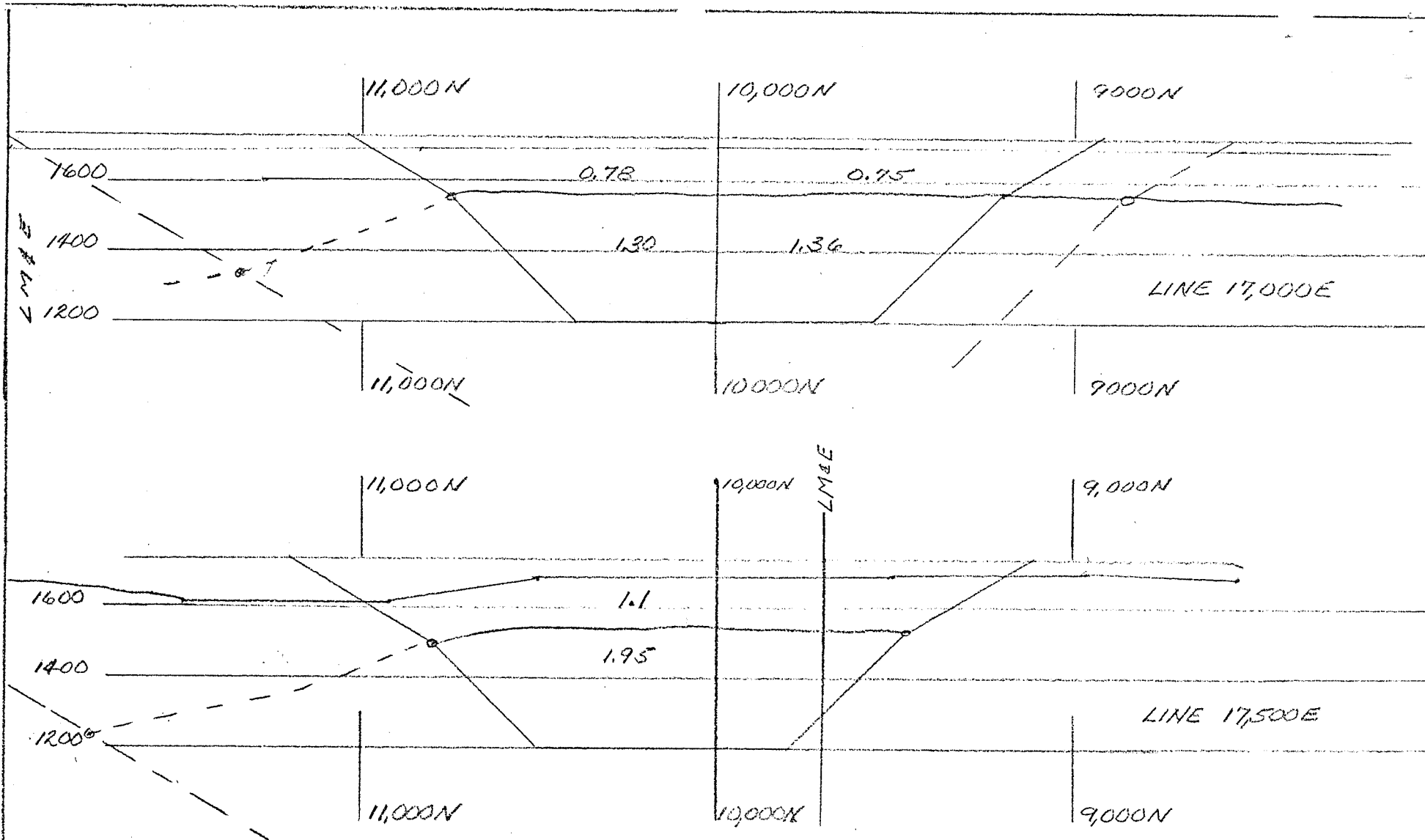
JULIAN IRON CORP
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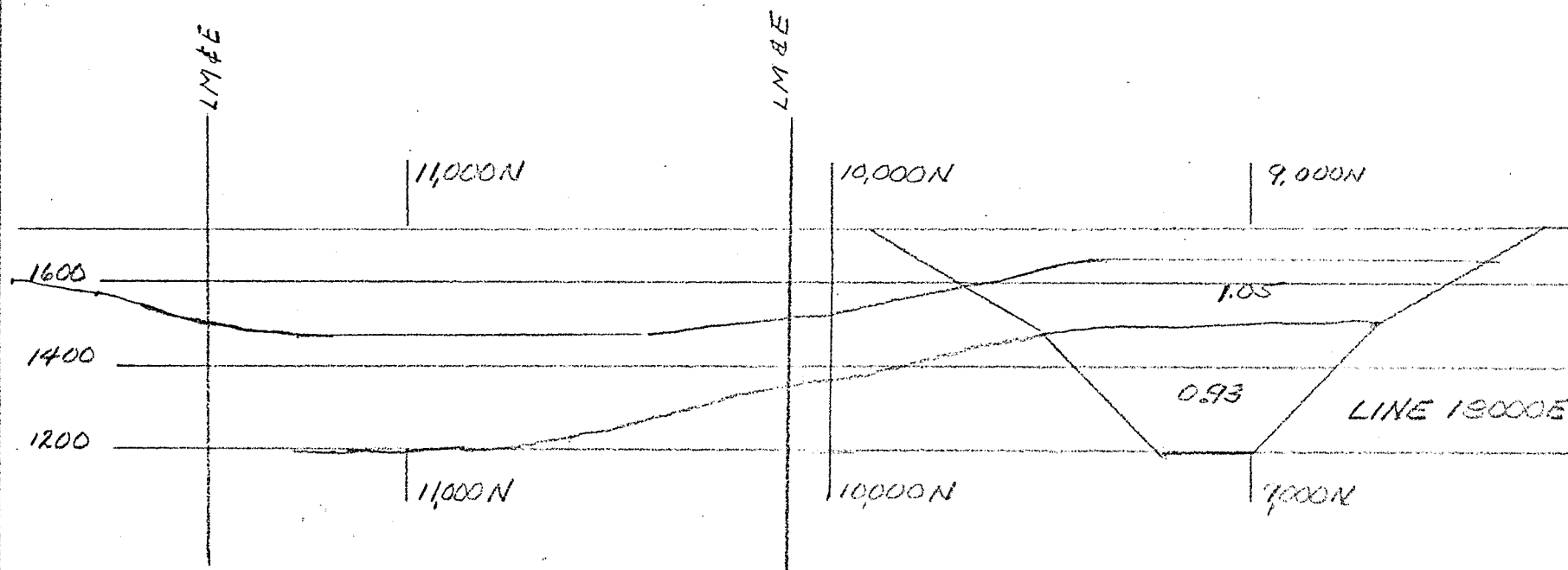


JULIAN IRON CORP.
ORE BODY X-SECT.
LOOKING EAST
SCALE 1" = 400'
MAY '63





JULIAN IRON CORP.
 ORE BODY X-SECT.
 LOOKING EAST
 SCALE 1" = 400'
 MAY 23



JULIAN IRON CORP.
 ORE BODY X-SECT.
 LOOKING EAST
 SCALE 1" = 400'
 FEET