



State of New Jersey
Department of Environmental Protection
Geological Survey



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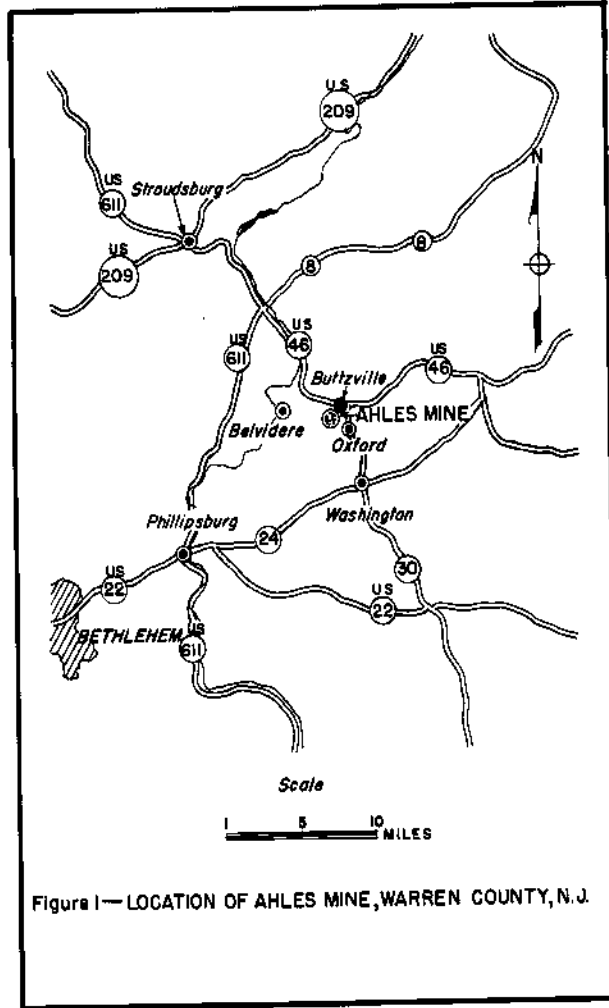


Figure 1—LOCATION OF AHLES MINE, WARREN COUNTY, N. J.

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14.5:1

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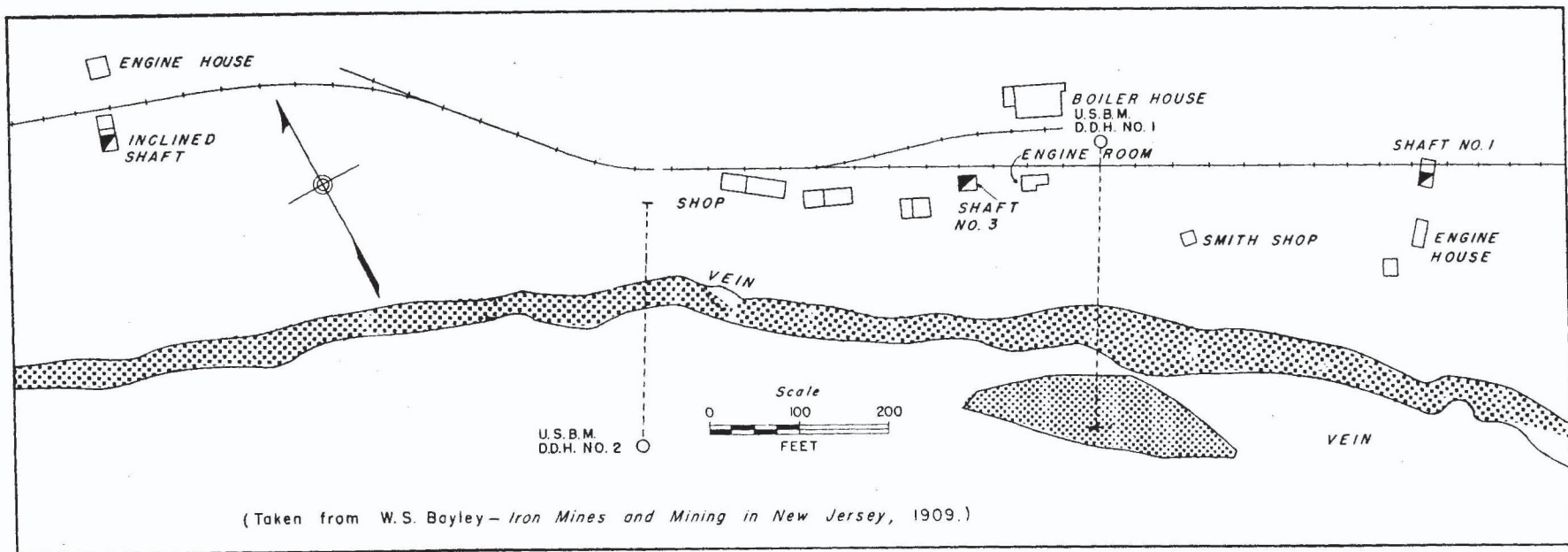
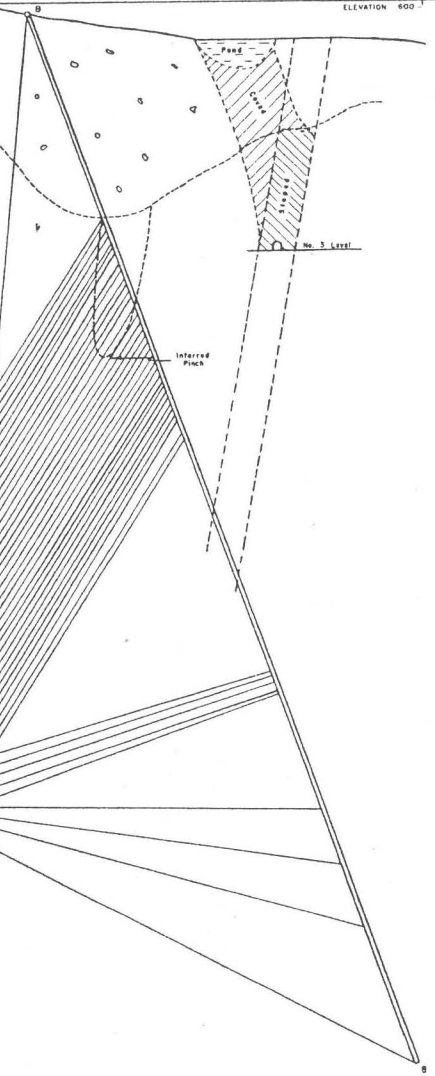


Figure 2. - Surface map of Ahles mine, Basic Iron Ore Company, Oxford furnace, Warren County, N. J.

DIAMOND DRILL HOLE #2
 W 316.70
 Inclinatio 60° E 845.40
 Bearing N 30° E 591.50

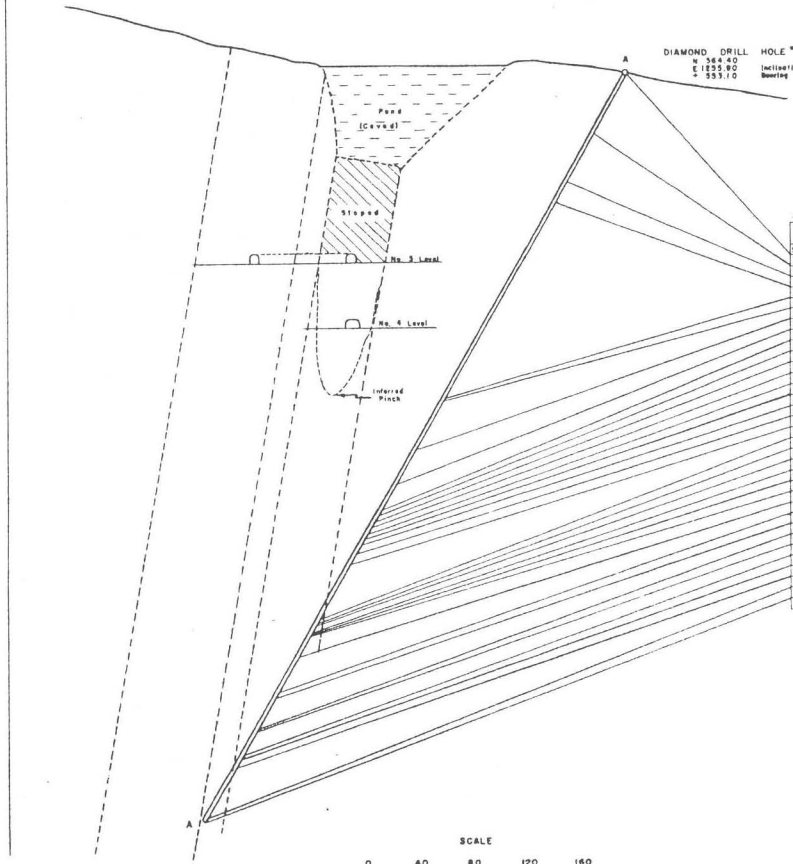
ELEVATION 600'

ELEVATION 700'



DEPTH FEET	CHARACTER OF MATERIAL	ANALYSES				Elev.
		Fe	Mn	P	Mg ₂	
0						591.8
1.6	Over burden - glacial drift					640.8
16.4		28.30	0.11			637.6
17.0		17.20	0.10			631.8
17.4		26.30	0.06			629.0
18.0		26.20	0.05			621.5
18.3		23.10	0.05			619.5
18.8		33.00	0.05			614.8
19.8		31.80	0.04			607.9
20.0		30.30	0.05			603.8
20.7		49.80	0.06			597.0
21.8		14.00	0.07			592.5
21.7		10.70	0.07			587.8
22.2		23.00	0.18			582.9
22.9		26.20	0.08			576.5
23.8		7.70	0.03			569.7
24.2		9.00	0.14			564.1
24.7		7.20	0.05			559.4
25.2		10.00	0.09			554.7
25.7		8.90	0.07			550.0
26.8		8.50	0.10			545.3
26.8		8.10	0.11			539.7
27.3		8.90	0.10			535.0
27.8		17.80	0.18			530.3
28.3		13.80	0.18			525.6
28.8		14.80	0.19			520.9
29.1		12.10	0.19			518.0
29.6		14.10	0.29			513.3
30.1		10.70	0.20			508.6
30.6		18.90	0.17			503.9
31.0		11.80	0.17			500.1
31.3		11.70	0.21			495.3
32.0		11.40	0.18			500.7
33.0		11.90	0.17			481.4
33.0		11.90	0.17			477.8
33.4	Soft, sandy, micaceous	11.20	0.17			473.8
35.0	Dark limestone - low magnesia					102.8
36.4	Gneiss					99.1
36.9	Mottled gray limestone					94.4
333.8	Dark gray gneiss					86.3
327	Mottled gray limestone					84.5
310	Gray limestone - low magnesia					-0.0.9
274	White to gray limestone					-41.8
224	Gray limestone - low magnesia					-88.3
						-85.0
234	White, gray, column limestone					193.1

DIAMOND DRILL HOLE #1
 W 364.40
 Inclinatio 60° W
 Bearing S 30° W



Elev.	ANALYSES				CHARACTER OF MATERIAL	DEPTH FEET
	Fe	Mn	P	Mg ₂		
553.7					Overburden	0
508.8					"	5.0
474.3					Light to dark gneiss	9.1
459.0					Dark basaltic schist	103.7
313.3					Dark and light gneiss	226.7
312.9					White limestone	277.3
282.3					Dark mica gneiss	327.1
250.0					Light limestone trace magnesia	350.0
230.9					Dark schist - low magnesia	371.1
226.4	9.80				"	377.1
223.1	10.30				"	382.1
217.9	3.15				"	387.1
213.4	8.25				Light limestone with magnesia	392.1
205.1	7.95				and stained with limestone	397.1
205.0	8.15				"	402.1
198.0					"	410.1
189.0					No core recovered	420.1
148.8					Light to dark limestone	461.1
146.1					Dark gneiss	470.1
143.2					Dark limestone	471.1
139.5					Pyroxenite	477.6
138.0					Limestone	478.6
137.7					Gneiss bearing magnesia	483.1
121.4	13.20	1.33	0.004	0.008	Light limestone magnesia	489.1
99.8					"	516.6
81.8	8.90	1.18	0.006	0.001	"	533.1
87.2	31.80	1.40	0.008	0.003	"	561.1
48.3					"	584.6
45.4	31.80	1.19	0.008	0.043	"	596.1
39.3	18.8				"	599.1
1.1					No core recovered of heavy clay	627.1
-1.2					Limestone	640.1

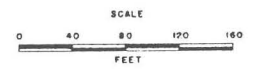
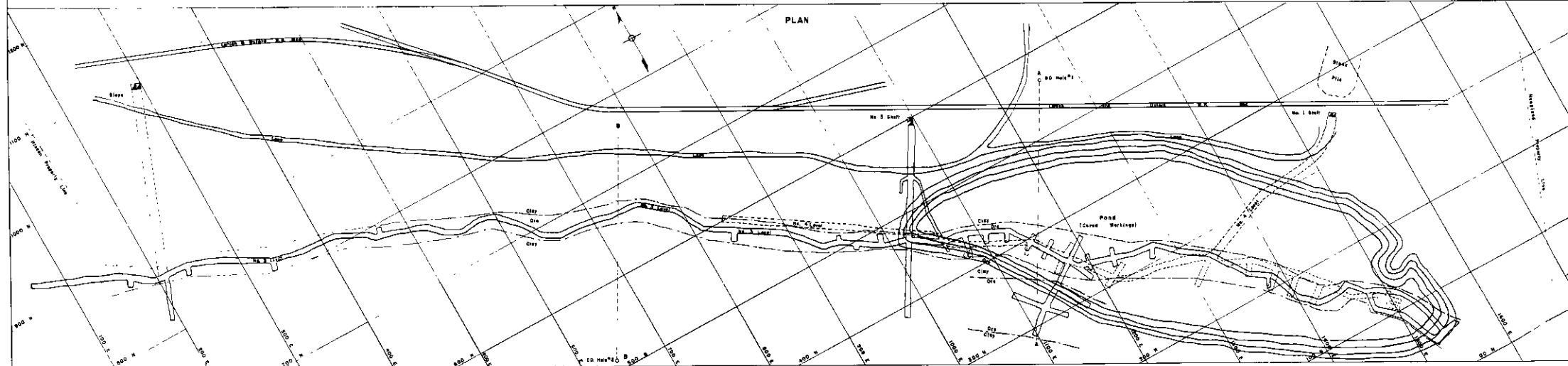
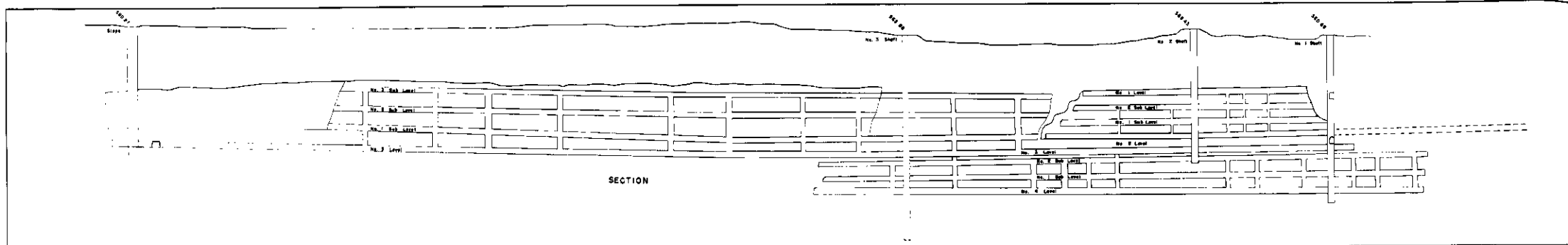


Figure 3. - Diamond drill holes - Ahles mine, Oxford, Warren County, N. J.



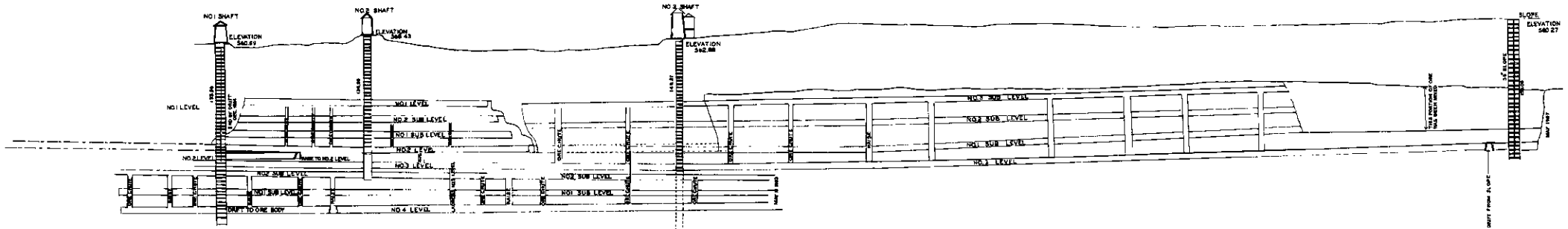
PROJECT 958
 Figure 3-PLAN And SECTION Of AHLES MINE, OXFORD, WARREN COUNTY, N.J.
 From Map Of Basic Iron Ore Co.—Surveyed 6-17-06 and 5-18-07

Scale 60 FEET

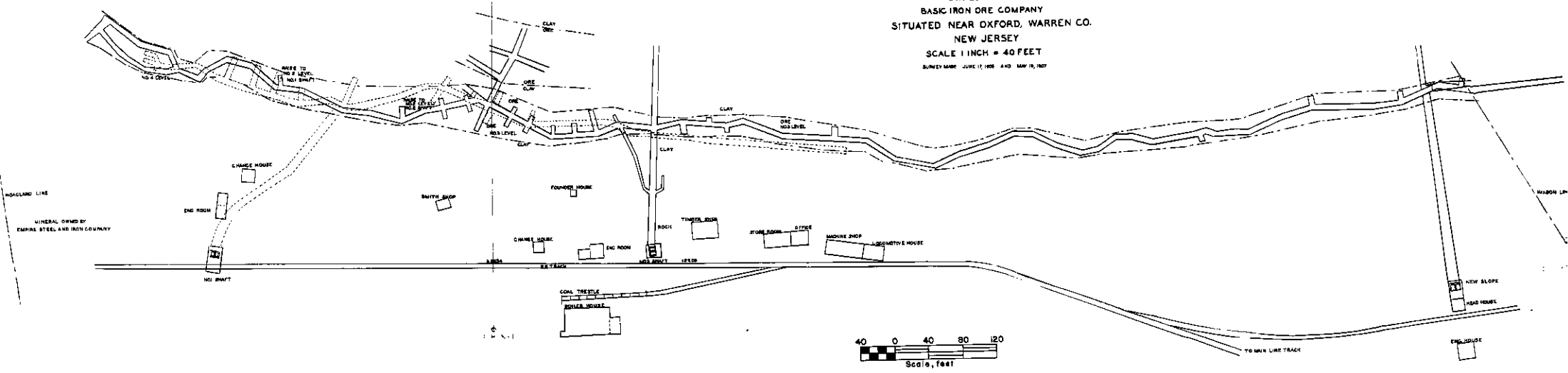
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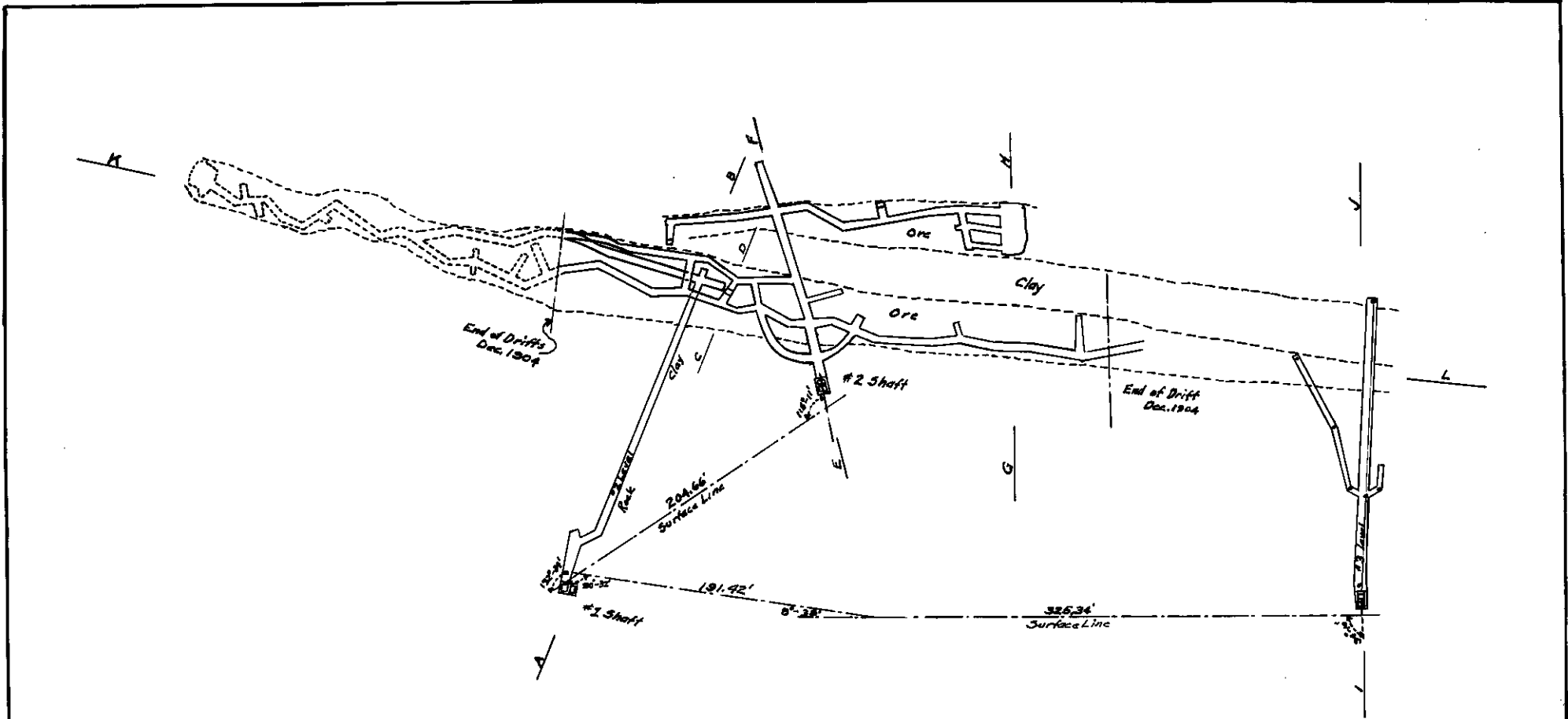
31X 300503



MAP
 SHOWING UNDERGROUND WORKINGS
 AND
 LOCATION OF BUILDINGS
 OWNED BY THE
 BASIC IRON ORE COMPANY
 SITUATED NEAR OXFORD, WARREN CO.
 NEW JERSEY
 SCALE 1 INCH = 40 FEET
 SURVEY MADE JUNE 17, 1906 AND MAY 19, 1907



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N.B. Original Survey Made Dec. 1904
On a Scale of 1"=20'

PITTSBURGH COKE & IRON CO.
PITTSBURGH, PA.

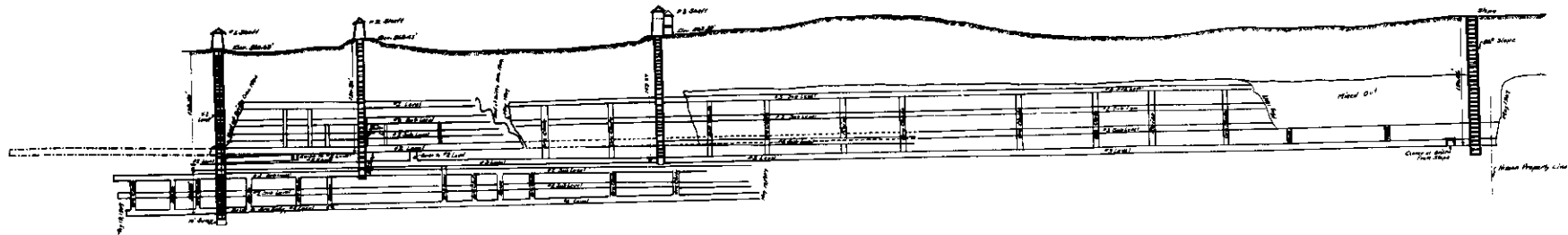
PLAN OF NO. 2 LEVEL
BASIC ORE CO'S
AHLES MINE
OXFORD, N.J.

REDUCED IN SCALE FROM ORIGINALS

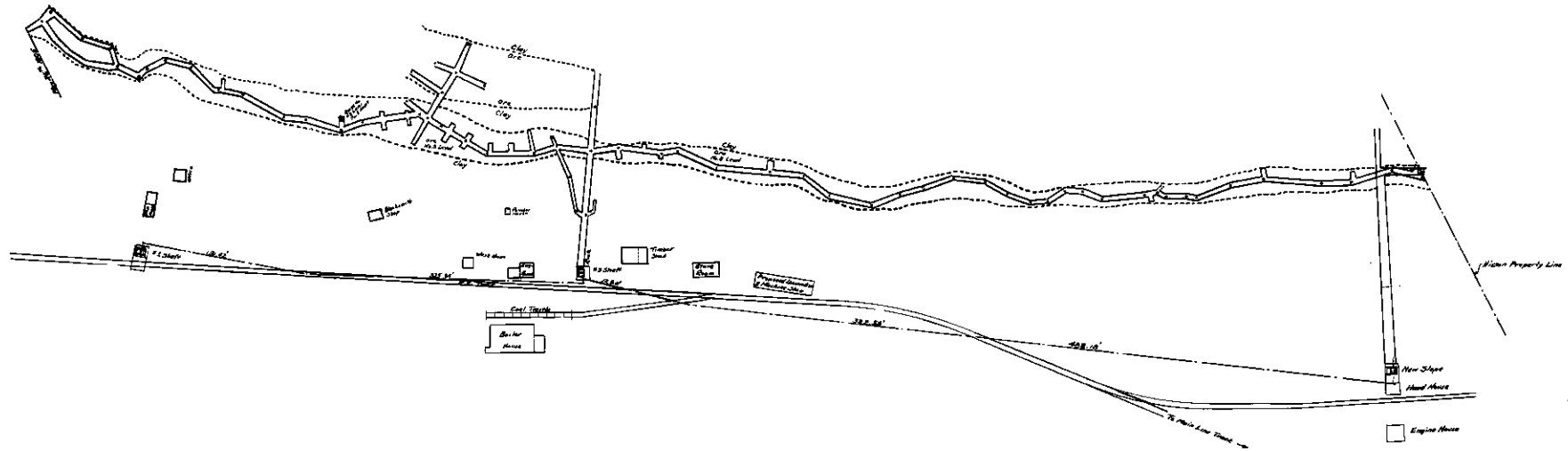
BY	App	DATE: 3-11-23
DR	Rev.	SCALE: 1"=50'
TR	Rev.	No.
CHKD	Rev.	

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LONGITUDINAL SECTION K-L

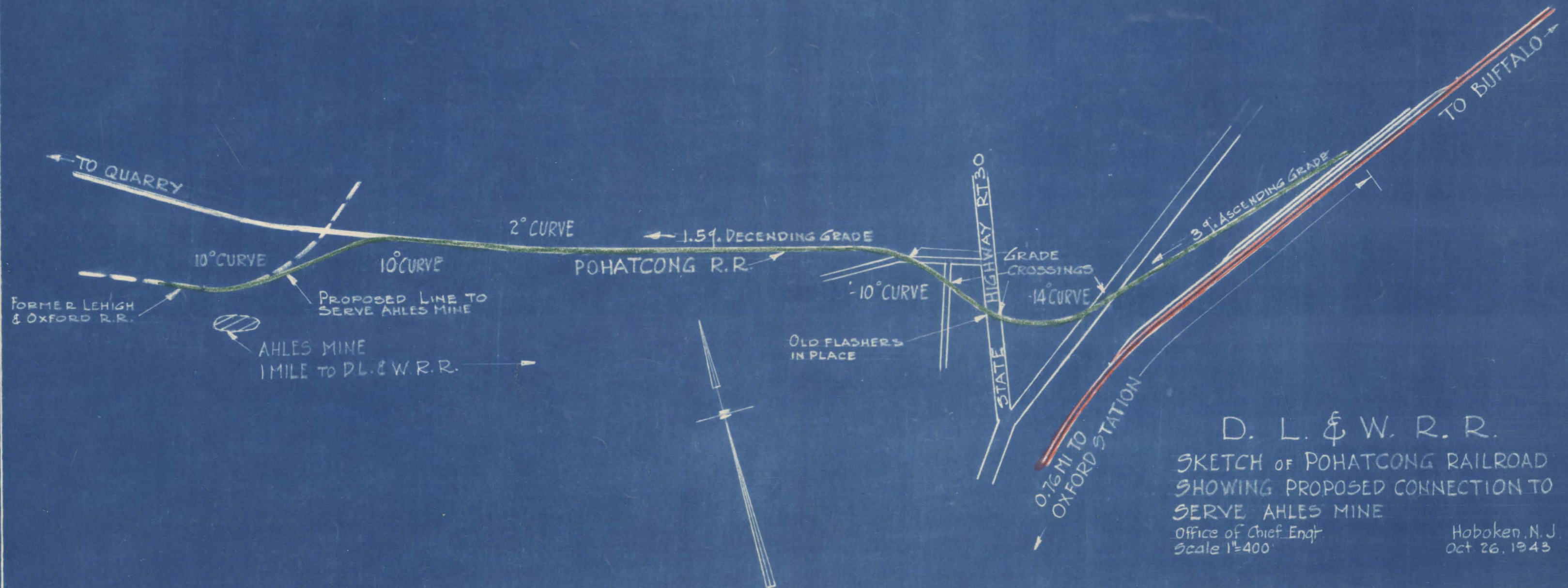


PLAN OF SURFACE # NO. 3 LEVEL

Hoyland's Property
 Minerals Owned by
 Empire Steel & Iron Co.



PITTSBURGH COKE & IRON			
PITTSBURGH, PA.			
PLAN & LONGITUDINAL S.			
TASC ORE CO'S			
AHLES MINE			
OXFORD, N.J.			
REDUCED IN SCALE FROM ORIGINAL			
By	J. A. S.	Drawn	J. A. S.
Chk.	W. S.	Scale	1" = 40'
Dt.	1901	No.	
Cor.	1901	No.	



D. L. & W. R. R.
 SKETCH OF POHATCONG RAILROAD
 SHOWING PROPOSED CONNECTION TO
 SERVE AHLES MINE
 Office of Chief Engr.
 Scale 1"=400'

Hoboken, N. J.
 Oct. 26, 1943