UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS
EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

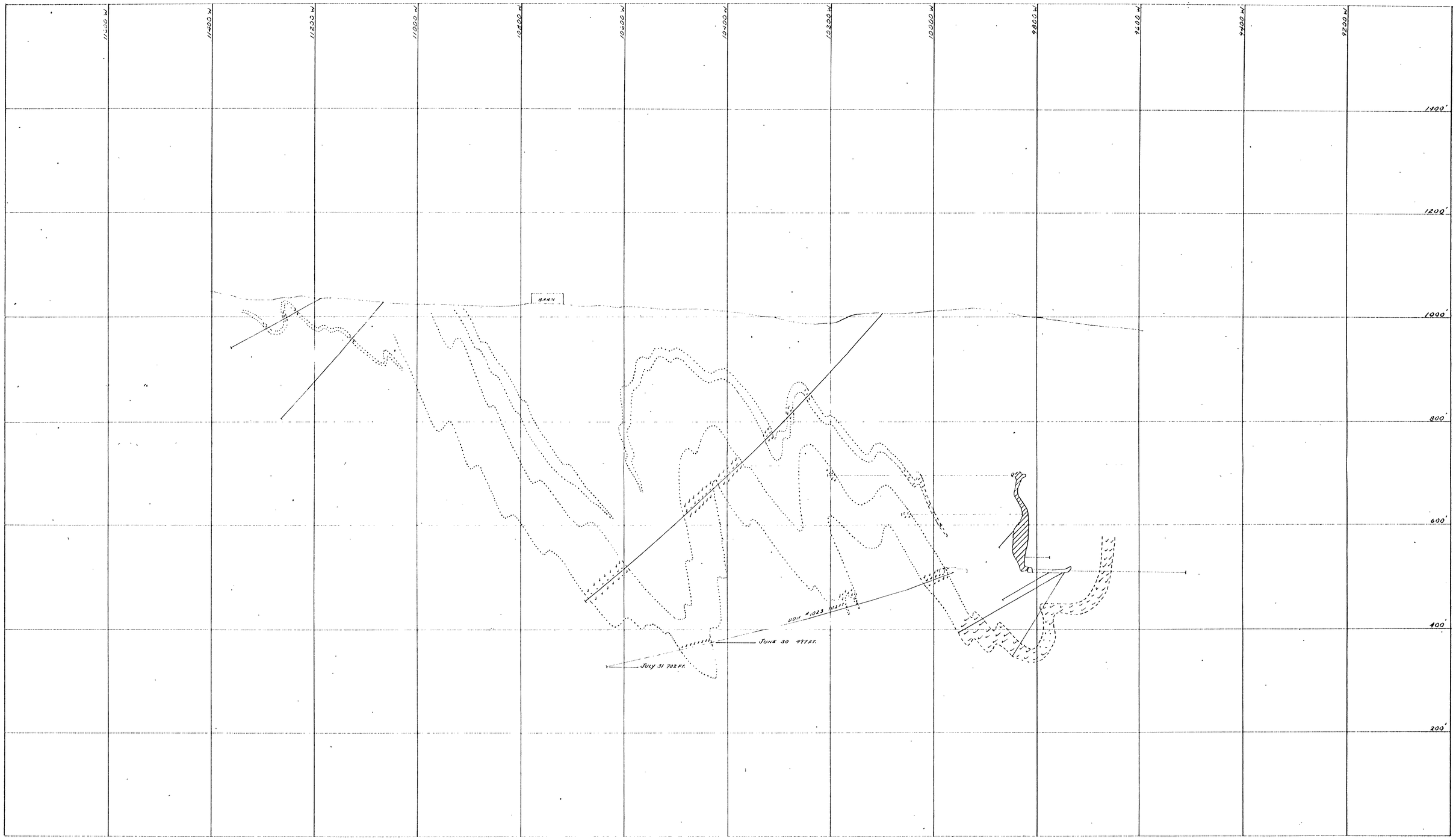
OFFICIAL BUSINESS

DMEA-4746

Appalachian Sulphides.

Mr. Robert Haffner
General Manager
Illinois-Wisconsin Operations
The Eagle-Picher Company
Post Office Box 1040
Galena, Illinois

6 4 709
88-1
1176



SURFACE OUTLINE, UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE, MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

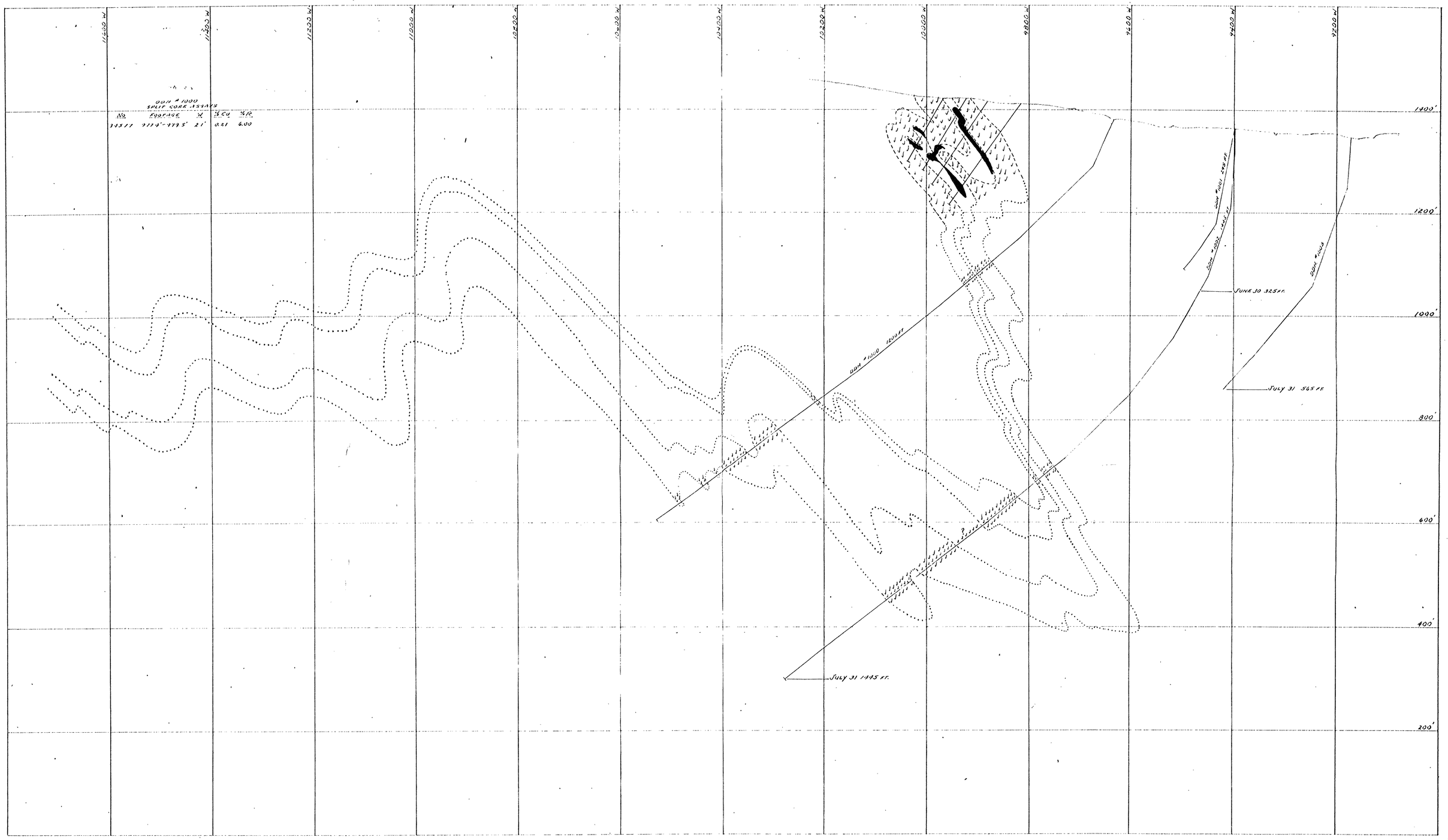
PROJECTED OR INFERRED AMPHIBOLITE HORIZON

PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.
CROSS SECTION 15,100 NORTH

SCALE: 1" = 100'

AUGUST 1, 1957



SURFACE OUTLINE, UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE, MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

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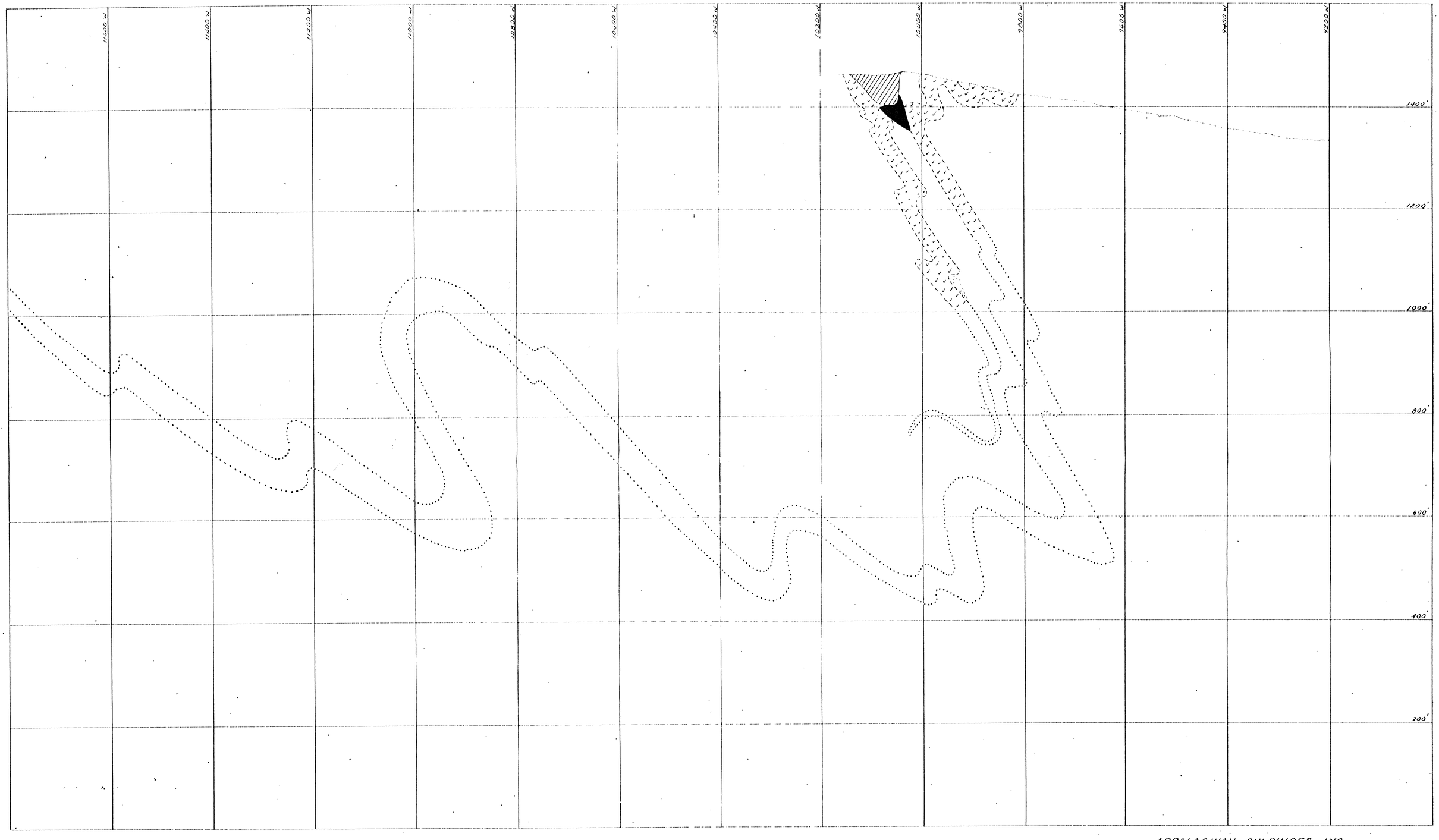
PROJECTED OR INFERRED AMPHIBOLITE HORIZON

PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.
CROSS SECTION 7442 NORTH

SCALE: 1" = 100'

AUGUST 1, 1957



SURFACE OUTLINE; UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE, MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

PROJECTED OR INFERRED AMPHIBOLITE HORIZON

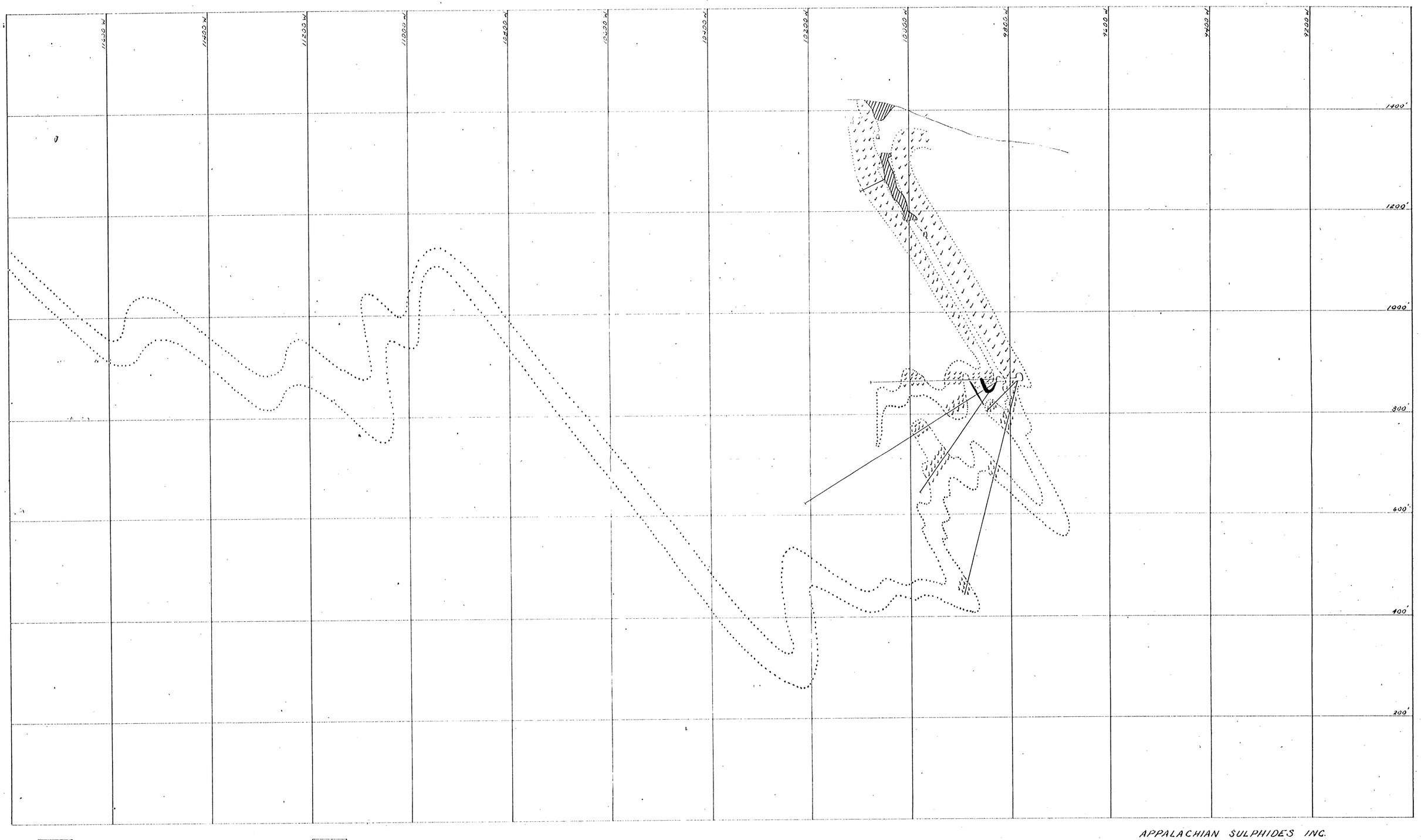
PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 8800 NORTH

SCALE: 1" = 100'

AUGUST 1, 1957



SURFACE OUTLINE, UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES (PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE, MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

PROJECTED OR INFERRED AMPHIBOLITE HORIZON

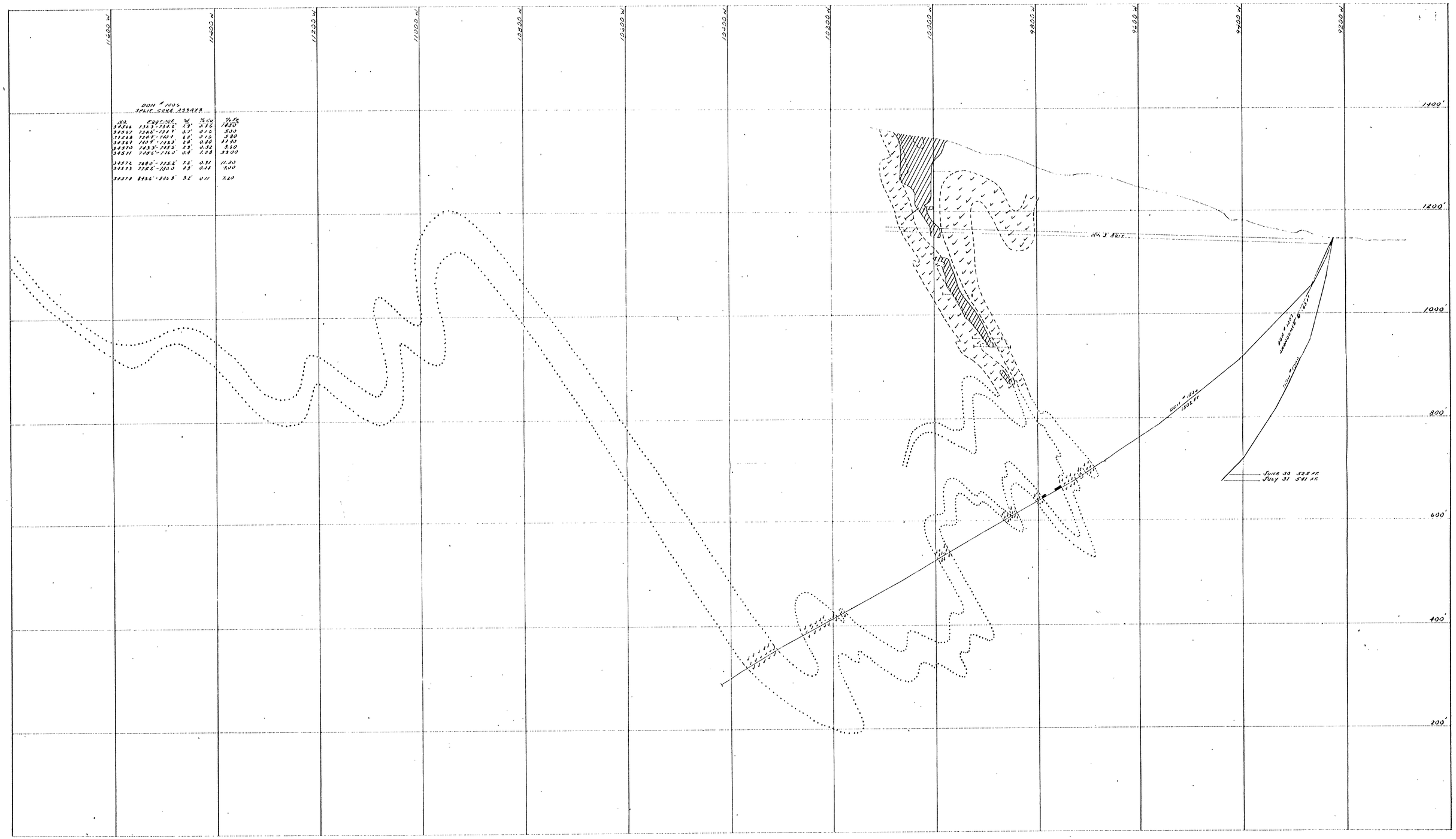
PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 10100 NORTH

SCALE: 1" = 100'

AUGUST 1, 1957



DDH # 1005
SPACE GRAB ASSAYS

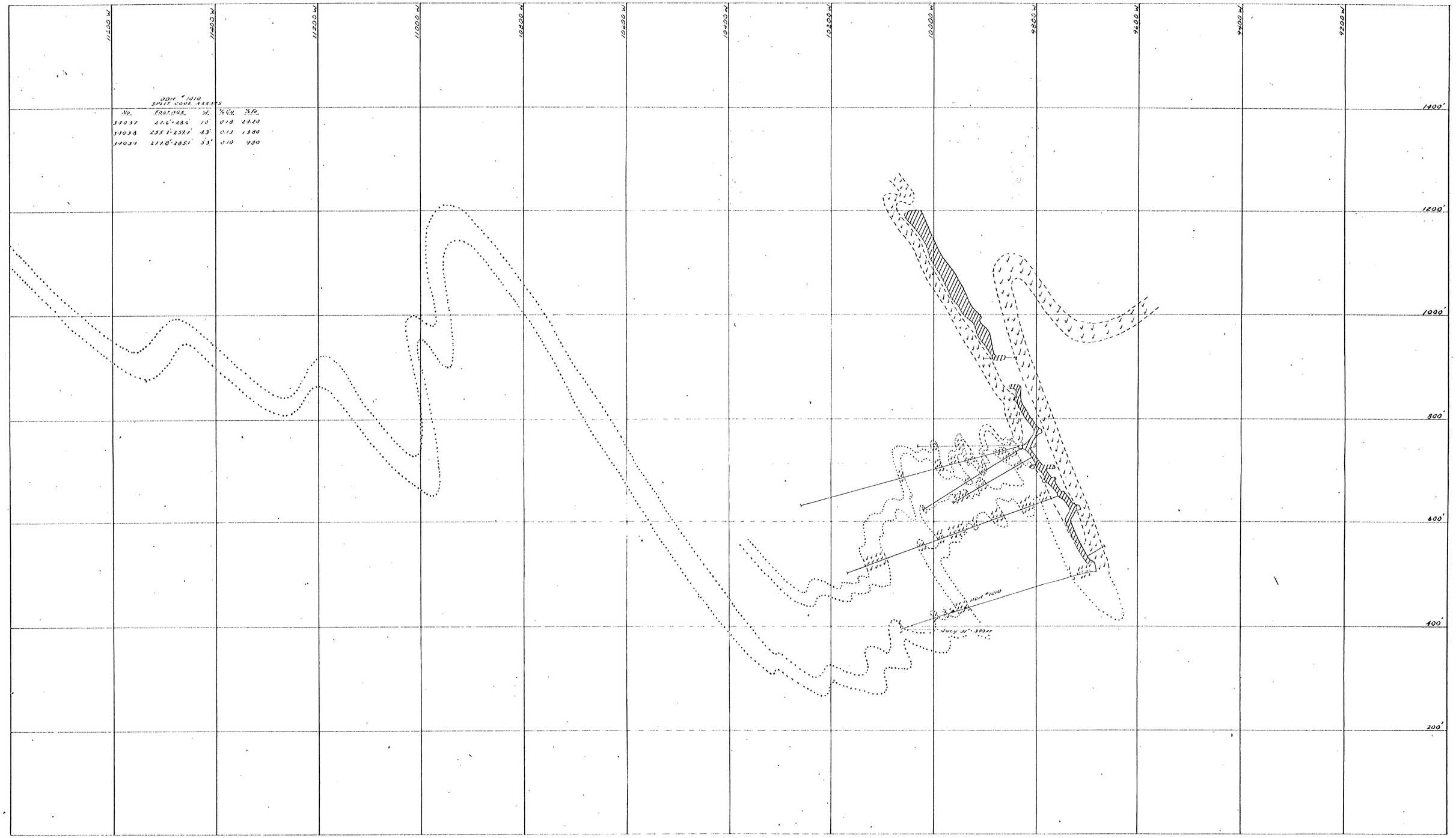
NO.	FROM-TO	W	% CU	% FE
34546	1123'-1124.5'	1.5'	0.15	1.00
34547	1126'-1128'	0.7'	0.15	5.00
34548	1129'-1130'	1.0'	0.15	5.00
34549	1130.5'-1132.5'	2.0'	0.30	11.10
34550	1133'-1135.5'	2.5'	0.32	8.10
34551	1135'-1136.5'	0.5'	1.08	33.00
34552	1140'-1142.5'	2.5'	0.31	11.30
34553	1142'-1150.0'	8.0'	0.08	3.00
34554	1156'-1161.5'	5.5'	0.11	7.20

- SURFACE OUTLINE, UNDERGROUND WORKINGS
- EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION
- MINED OUT AREA
- KNOWN ORE, MINERALIZED HORIZON
- KNOWN AMPHIBOLITE HORIZON
- PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON
- PROJECTED OR INFERRED AMPHIBOLITE HORIZON
- PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.
CROSS SECTION 10,900 NORTH

SCALE: 1" = 100'

AUGUST 1, 1957



SURFACE OUTLINE; UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE, MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

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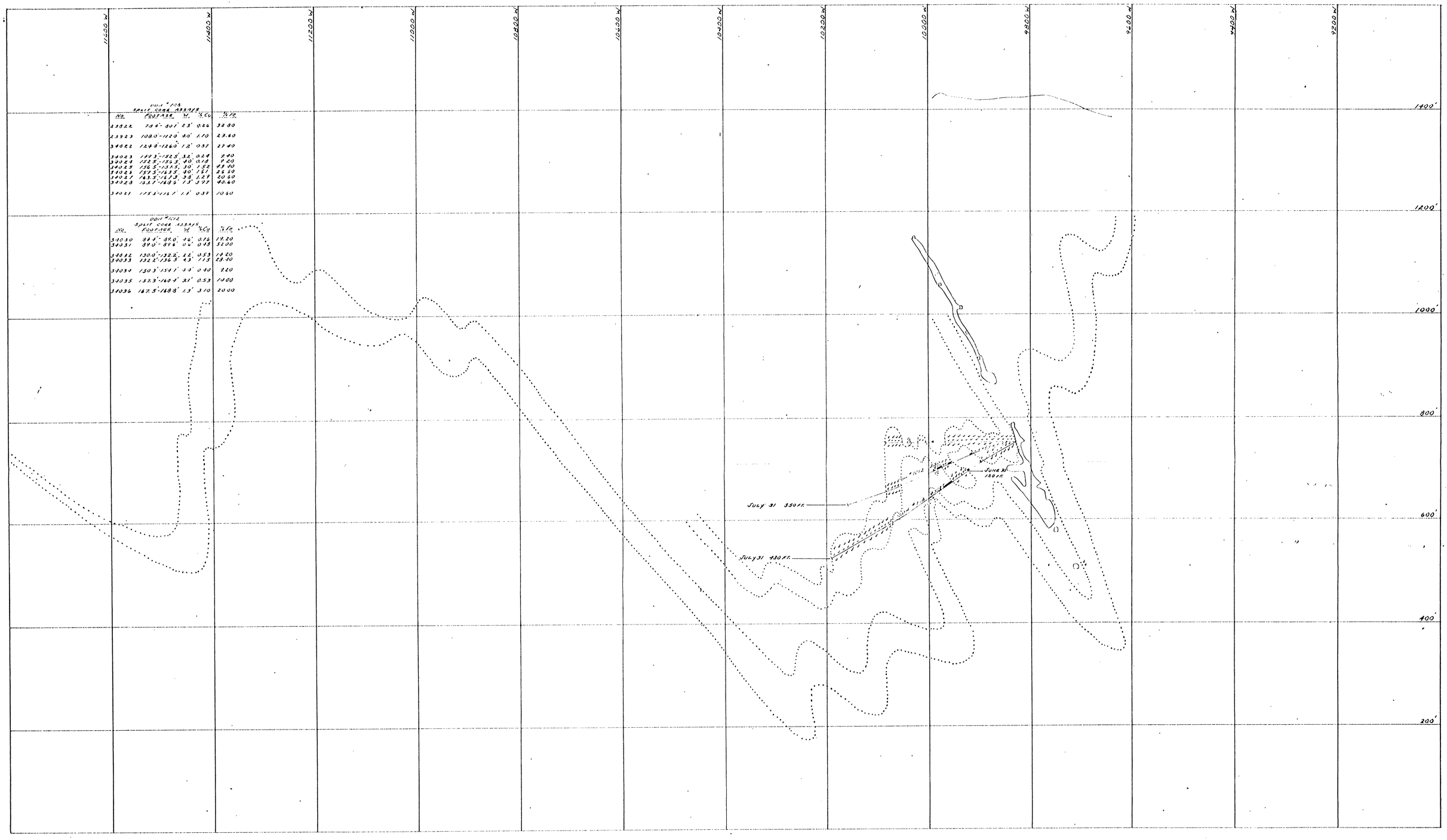
PROJECTED OR INFERRED AMPHIBOLITE HORIZON

PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 12,100 NORTH

SCALE: 1" = 100' AUGUST 1, 1957



HOLE # 7-7A
SPLIT CORE 433915

NO.	FOOTAGE	W	%Cu	%Fe
33922	79.4'-80.1'	2.5'	0.26	32.80
33923	108.0'-112.0'	4.0'	1.10	23.40
34022	124.8'-126.0'	1.2'	0.37	27.40
34023	149.3'-152.5'	3.2'	0.24	3.40
34024	152.5'-154.5'	4.0'	0.18	7.20
34025	176.5'-177.5'	1.0'	1.52	43.90
34026	197.5'-201.5'	4.0'	1.21	25.50
34027	213.5'-217.5'	4.0'	1.29	20.50
34028	221.7'-225.0'	1.3'	3.97	40.60
34021	114.5'-115.7'	1.2'	0.37	10.60

HOLE #7-12
SPLIT CORE 433915

NO.	FOOTAGE	W	%Cu	%Fe
34030	84.4'-87.0'	2.6'	0.76	17.20
34031	87.0'-87.6'	0.6'	0.93	51.00
34032	130.0'-132.2'	2.2'	0.53	14.60
34033	132.2'-136.5'	4.3'	1.13	23.40
34034	150.3'-154.7'	4.4'	0.40	1.20
34035	157.3'-160.4'	3.1'	0.53	1.40
34036	167.5'-168.8'	1.3'	3.10	2.00

SURFACE OUTLINE; UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

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PROJECTED OR INFERRED AMPHIBOLITE HORIZON

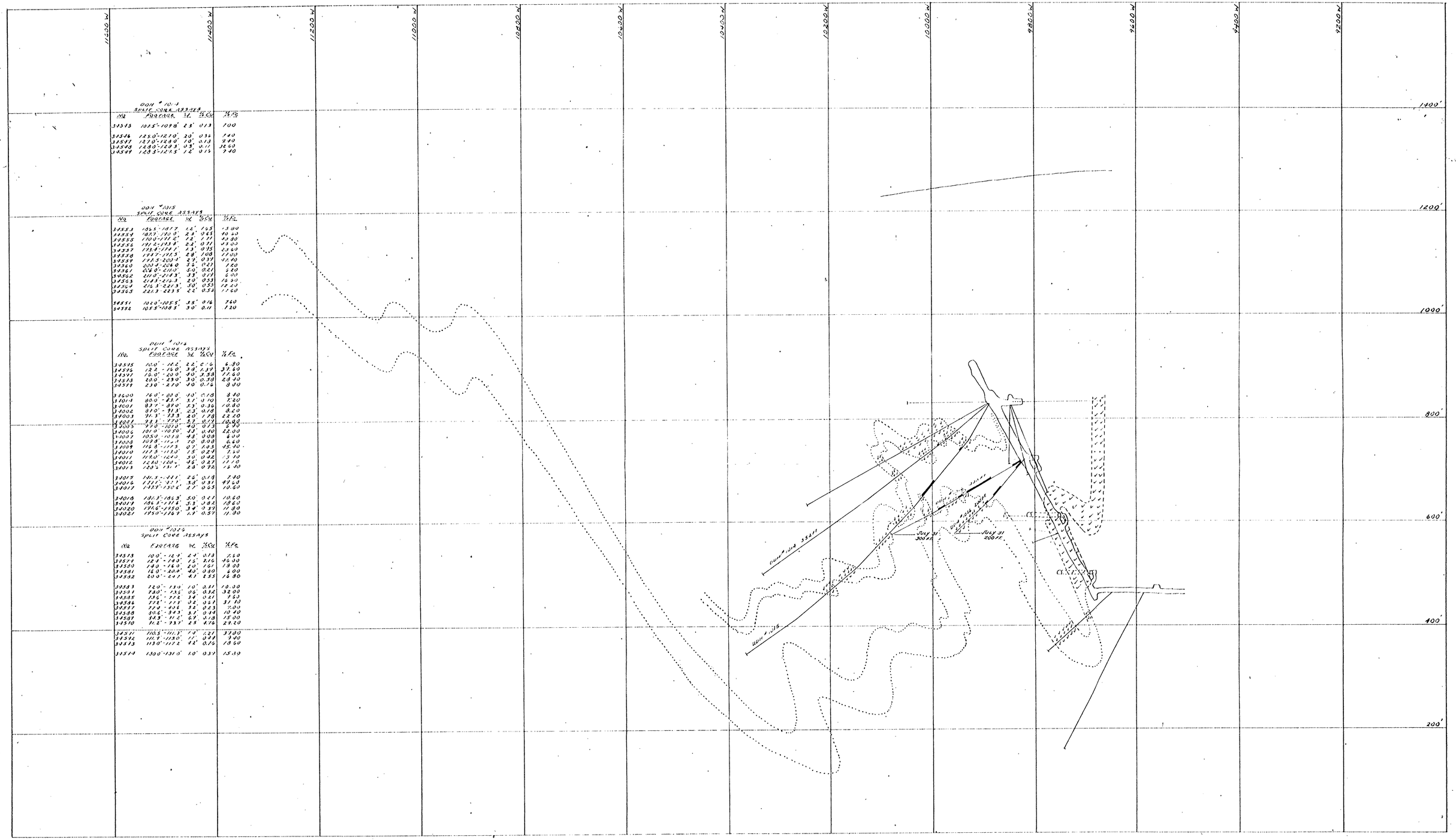
PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 12400 NORTH

SCALE: 1" = 100'

AUGUST 1, 1957



DDH #1011
SPLIT CORE ASSAYS

NO.	FOOTAGE	W.	%Cu	%Fe
33515	1015'-1018'	2.5'	0.13	7.00
33546	1250'-1270'	20'	0.35	7.40
33547	1270'-1280'	10'	0.13	9.40
33548	1280'-1293.5'	13.5'	0.11	32.60
33549	1293.5'-1295'	1.5'	0.15	7.40

DDH #1015
SPLIT CORE ASSAYS

NO.	FOOTAGE	W.	%Cu	%Fe
33553	1185'-1187.5'	2.5'	1.65	15.00
33554	1187'-1190'	2.5'	0.65	10.50
33555	1190'-1192.5'	2.5'	0.71	10.80
33556	1192.5'-1193.5'	1.0'	0.71	12.00
33557	1193.5'-1196.5'	3.0'	0.95	23.60
33558	1196.5'-1197.5'	1.0'	1.08	17.00
33559	1197.5'-1200.5'	3.0'	0.39	12.40
33560	2003.5'-2004.0'	0.5'	0.27	7.20
33561	2004.0'-2010'	6.0'	0.21	2.20
33562	2010'-2013'	3.0'	0.11	6.00
33563	2013'-2016.5'	3.5'	0.33	16.50
33564	2016.5'-2021.5'	5.0'	0.35	12.20
33565	2221.5'-2223.5'	2.0'	0.34	11.60
33551	1020'-1025.5'	5.5'	0.16	7.60
33552	1025.5'-1028.5'	3.0'	0.11	7.20

DDH #1016
SPLIT CORE ASSAYS

NO.	FOOTAGE	W.	%Cu	%Fe
33595	10.0' - 12.0'	2.0'	0.16	6.30
33596	12.5' - 15.0'	2.5'	0.37	37.60
33597	15.0' - 20.0'	5.0'	2.58	22.60
33598	20.0' - 23.0'	3.0'	0.38	23.40
33599	23.0' - 27.0'	4.0'	0.16	9.00
33600	76.0' - 80.0'	4.0'	0.18	8.40
33601	80.0' - 83.5'	3.5'	0.10	7.30
33602	83.5' - 89.0'	5.5'	0.36	10.80
33603	89.0' - 91.5'	2.5'	0.08	8.20
33604	91.5' - 93.5'	2.0'	1.78	22.20
33605	93.5' - 97.0'	3.5'	0.72	10.00
33606	97.0' - 101.0'	4.0'	0.13	6.40
33607	101.0' - 105.0'	4.0'	0.40	22.00
33608	105.0' - 109.0'	4.0'	0.08	6.00
33609	109.0' - 114.0'	5.0'	0.08	6.60
33610	114.0' - 117.5'	3.5'	1.85	45.40
33611	117.5' - 119.0'	1.5'	0.24	7.50
33612	119.0' - 124.0'	5.0'	0.42	13.70
33613	124.0' - 128.0'	4.0'	0.37	17.10
33614	128.0' - 131.5'	3.5'	0.92	16.40
33615	141.5' - 144.1'	2.6'	0.18	7.40
33616	144.1' - 147.1'	3.0'	0.31	19.60
33617	147.1' - 150.6'	3.5'	0.23	10.20
33618	180.5' - 185.5'	5.0'	0.61	10.60
33619	185.5' - 191.5'	6.0'	0.82	13.60
33620	191.5' - 195.0'	3.5'	0.37	11.80
33621	195.0' - 196.5'	1.5'	0.37	11.80

DDH #1025
SPLIT CORE ASSAYS

NO.	FOOTAGE	W.	%Cu	%Fe
33573	10.0' - 12.5'	2.5'	0.18	7.50
33574	12.5' - 14.0'	1.5'	2.16	36.00
33580	14.0' - 16.0'	2.0'	1.61	19.00
33581	16.0' - 20.0'	4.0'	0.90	5.00
33582	20.0' - 24.0'	4.0'	1.33	16.80
33583	120.0' - 130.0'	10.0'	0.31	10.30
33584	130.0' - 132.0'	2.0'	0.32	32.00
33585	132.0' - 133.5'	1.5'	0.21	7.50
33586	133.5' - 137.0'	3.5'	0.51	31.10
33587	137.0' - 140.0'	3.0'	0.23	7.00
33588	140.0' - 143.0'	3.0'	0.34	10.40
33589	143.0' - 147.0'	4.0'	0.18	15.00
33590	147.0' - 153.0'	6.0'	0.76	29.20
33571	110.5' - 111.5'	1.0'	1.21	37.80
33572	111.5' - 113.0'	1.5'	0.24	3.40
33573	113.0' - 117.0'	4.0'	0.76	18.60
33574	1300'-1310'	10'	0.37	15.30

SURFACE OUTLINE, UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES "PERTINENT" TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE, MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

PROJECTED OR INFERRED AMPHIBOLITE HORIZON

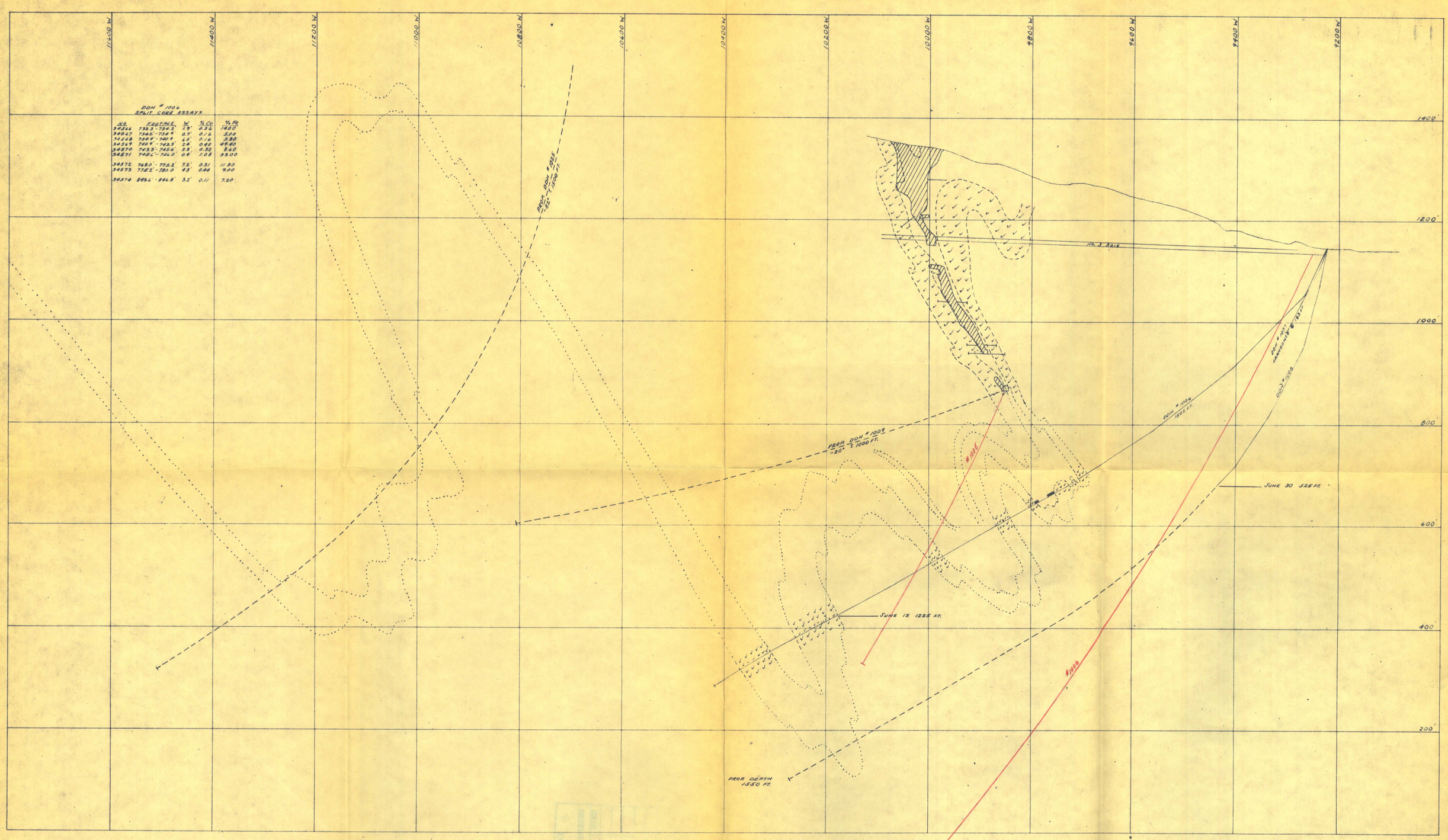
PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 13,100 NORTH

SCALE: 1" = 100'

AUGUST 1, 1957



SURFACE OUTLINE, UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

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KNOWN AMPHIBULITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

PROJECTED OR INFERRED AMPHIBOLITE HORIZON

PROPOSED DIAMOND DRILL HOLE

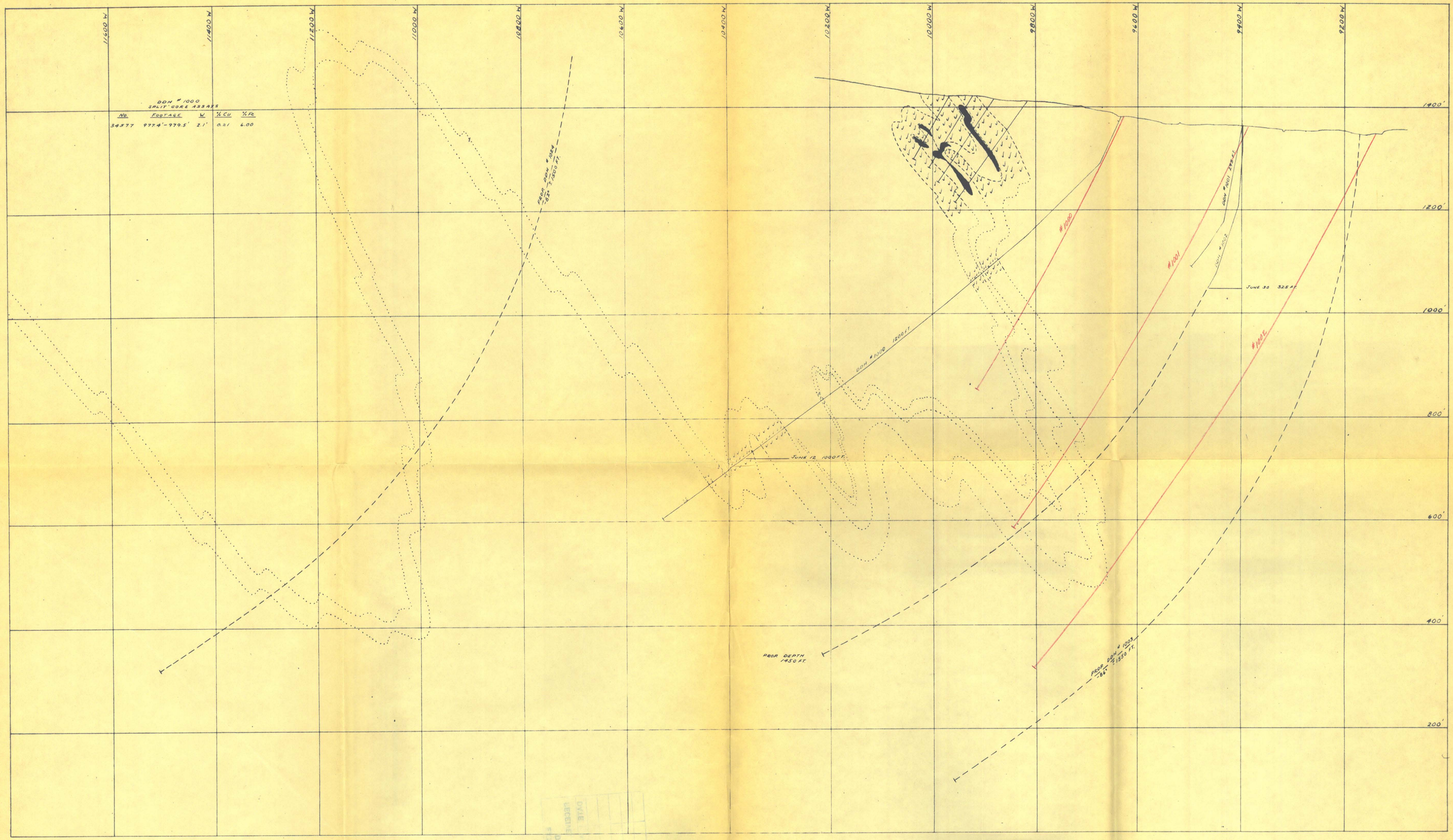
RED LINES AND NUMBERS INDICATE ORIGINALLY PROPOSED DIAMOND DRILL HOLES

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 10,900 NORTH

SCALE: 1" = 100'

July 1, 1957



SURFACE OUTLINE, UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

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PROPOSED DIAMOND DRILL HOLE

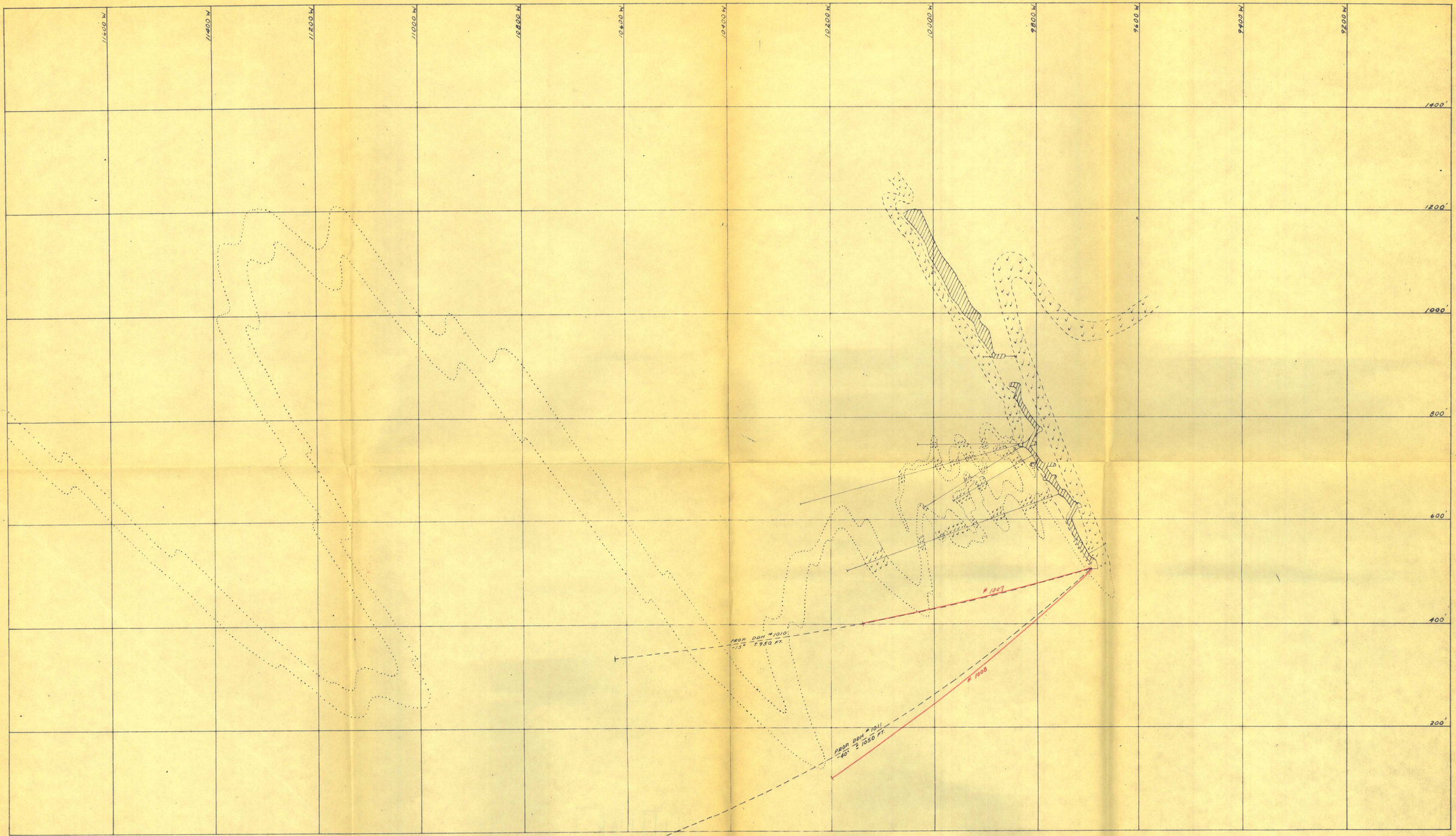
RED LINES AND NUMBERS INDICATE ORIGINALLY PROPOSED DIAMOND DRILL HOLES

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 7442 NORTH

SCALE: 1" = 100'

July 1, 1957



SURFACE OUTLINE, UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE; MINERALIZED HORIZON

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PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

PROJECTED OR INFERRED AMPHIBOLITE HORIZON

PROPOSED DIAMOND DRILL HOLE

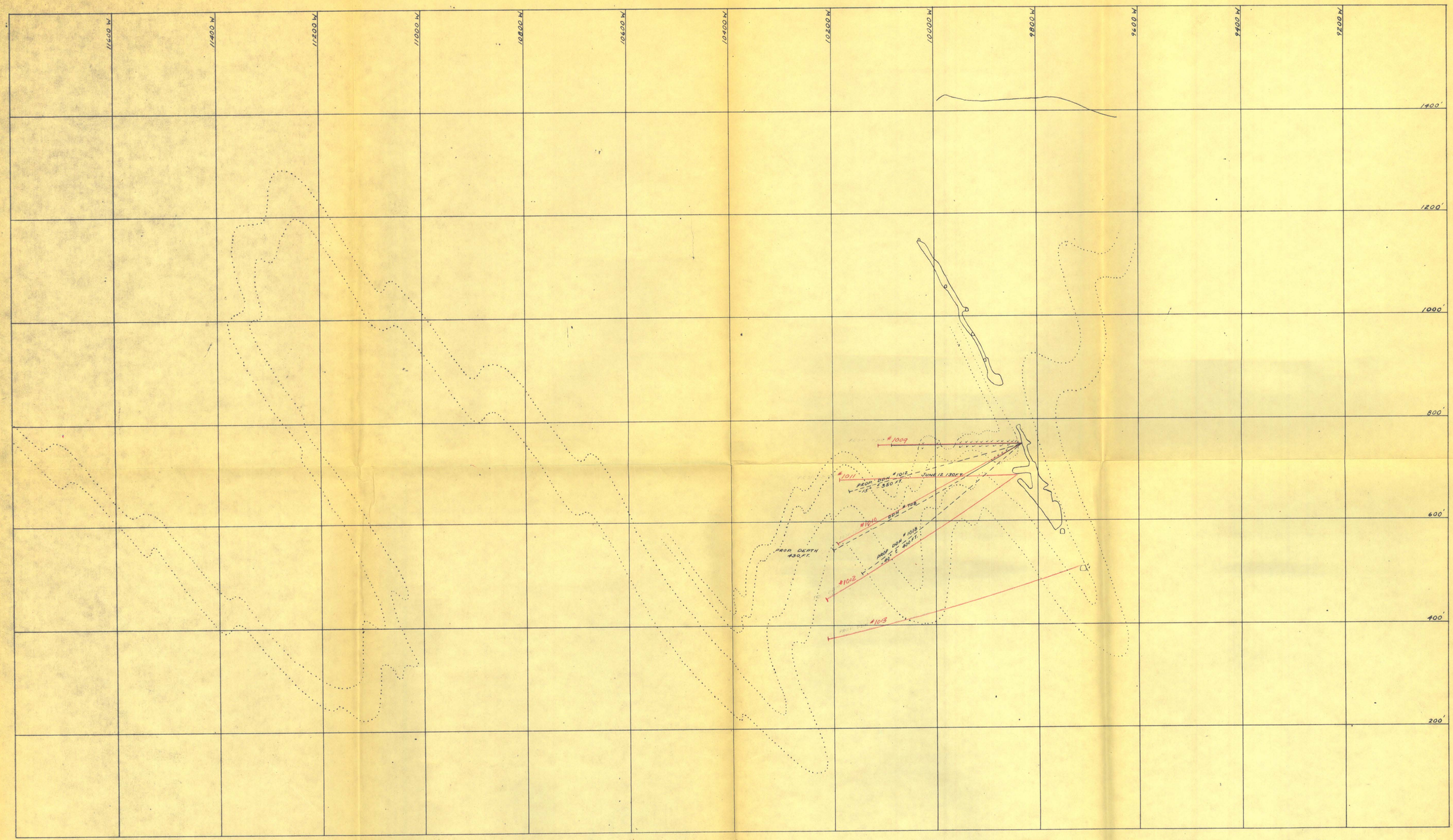
RED LINES AND NUMBERS INDICATE ORIGINALLY PROPOSED DIAMOND DRILL HOLES

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 12,100 NORTH

SCALE: 1" = 100'

July 1, 1957



SURFACE OUTLINE; UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

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PROPOSED DIAMOND DRILL HOLE

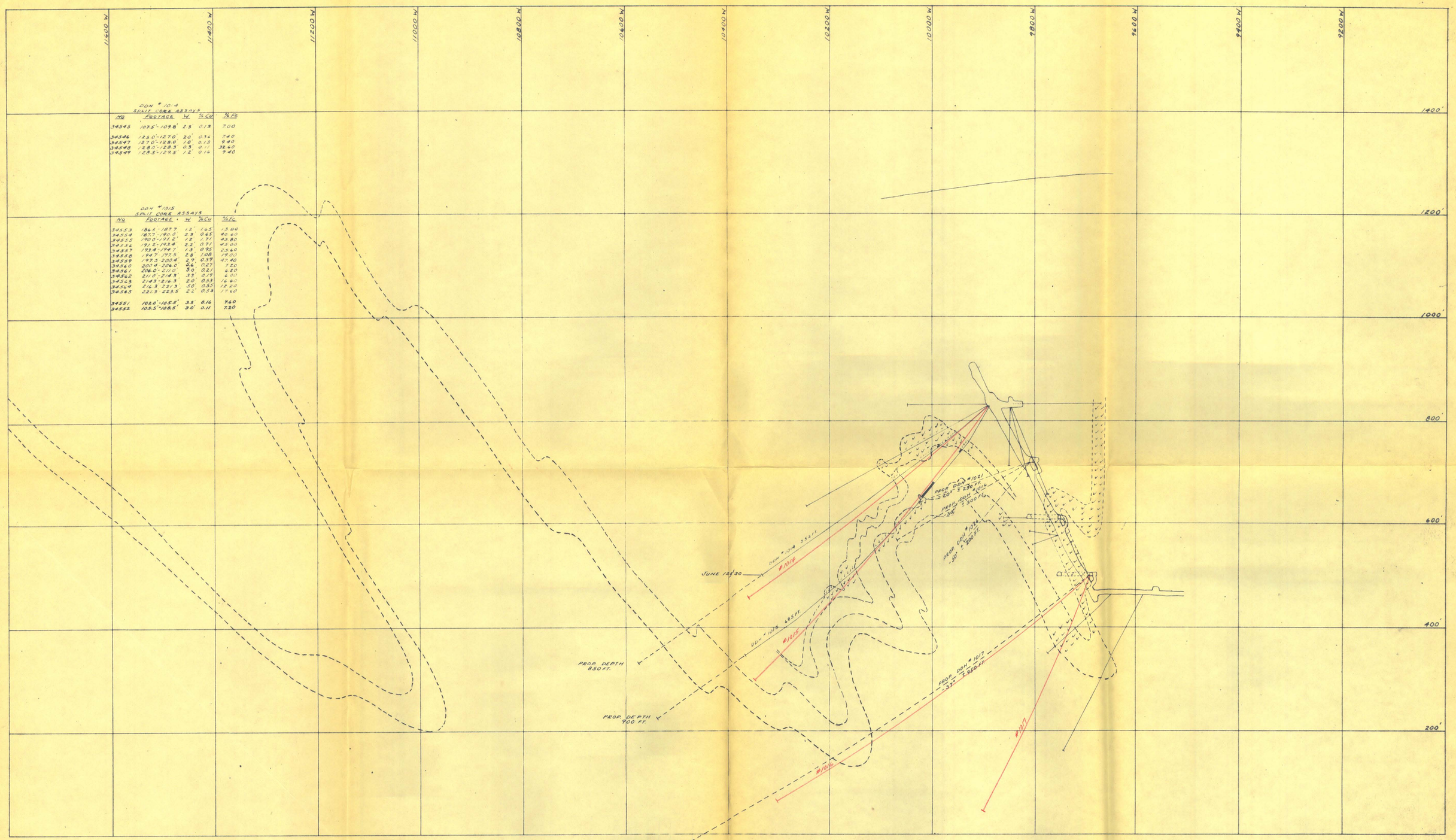
RED LINES AND NUMBERS INDICATE ORIGINALLY PROPOSED DIAMOND DRILL HOLES

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 12400 NORTH

SCALE: 1" = 100'

July 1, 1957



DDH #1014
SPLIT CORE ASSAYS

NO	FOOTAGE	W	% CU	% FE
34545	107.5'-109.8'	2.3'	0.13	7.00
34546	125.0'-127.0'	2.0'	0.34	7.40
34547	127.0-128.0	1.0'	0.13	9.40
34548	128.0'-128.3	0.3'	0.11	32.60
34549	128.3-129.5	1.2'	0.14	9.40

DDH #1015
SPLIT CORE ASSAYS

NO	FOOTAGE	W	% CU	% FE
34553	186.5'-187.7	1.2'	.165	13.80
34554	187.7'-190.0'	2.3	0.43	40.60
34555	190.0'-191.2'	1.2'	1.71	43.80
34556	191.2-193.4	2.2	0.71	43.00
34557	193.4'-194.7	1.3'	0.95	23.60
34558	194.7'-197.5	2.8'	1.08	19.00
34559	197.5-200.4	2.9	0.39	47.40
34560	200.4-206.0	5.6'	0.27	7.20
34561	206.0'-211.0	5.0'	0.21	6.20
34562	211.0'-214.3'	3.3'	0.19	6.00
34563	214.3'-216.3'	2.0	0.53	16.40
34564	216.3'-221.3'	5.0'	0.53	12.20
34565	221.3'-223.5'	2.2'	0.54	17.60
34551	102.0'-105.5'	3.5'	0.16	7.60
34552	105.5'-108.5'	3.0'	0.11	7.20

SURFACE OUTLINE, UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE, MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

PROJECTED OR INFERRED AMPHIBOLITE HORIZON

PROPOSED DIAMOND DRILL HOLE

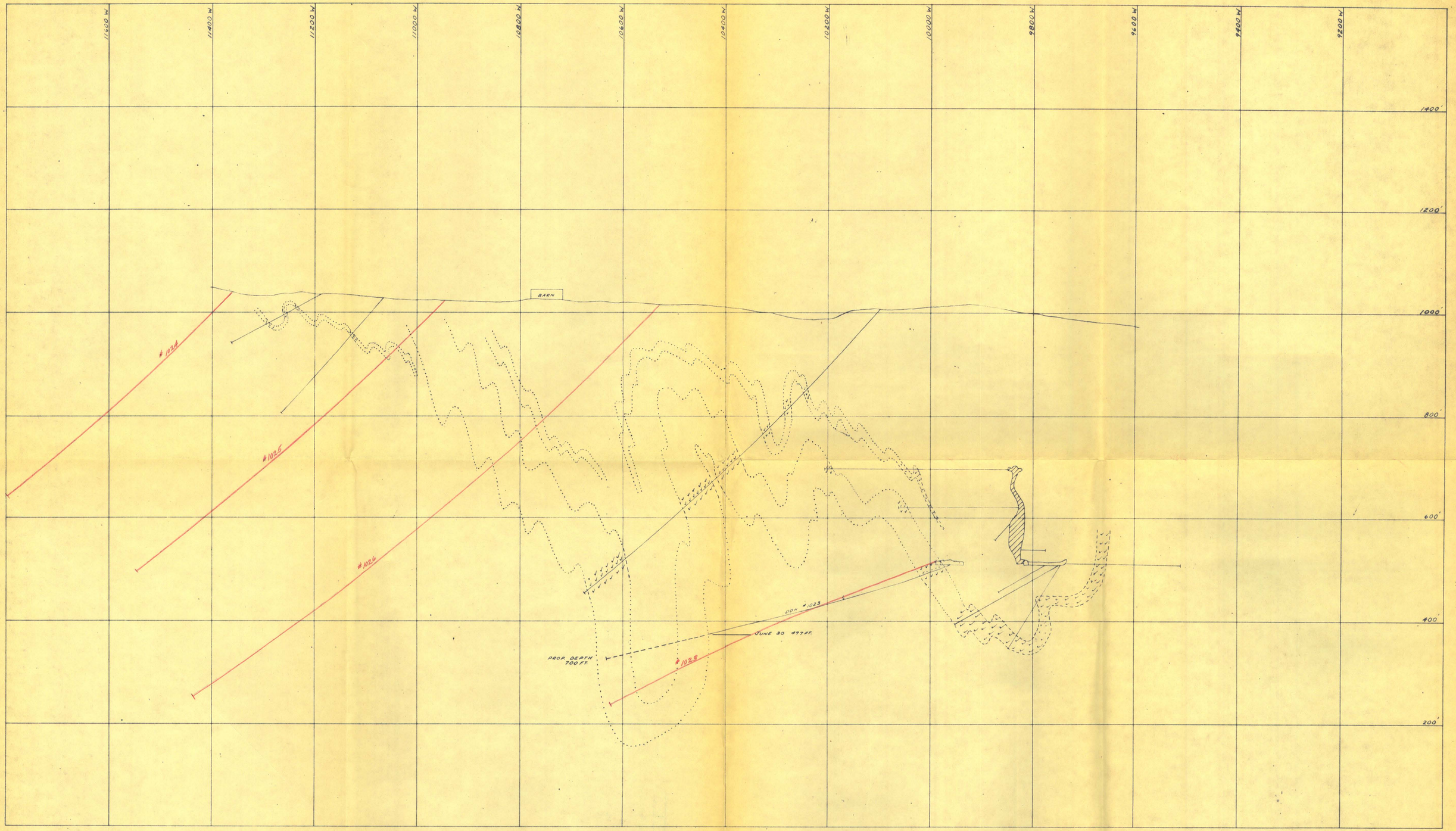
RED LINES AND NUMBERS INDICATE ORIGINALLY PROPOSED DIAMOND DRILL HOLES

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 13,100 NORTH

SCALE: 1" = 100'

July 4, 1957



SURFACE OUTLINE; UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

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PROJECTED OR INFERRED AMPHIBOLITE HORIZON

PROPOSED DIAMOND DRILL HOLE

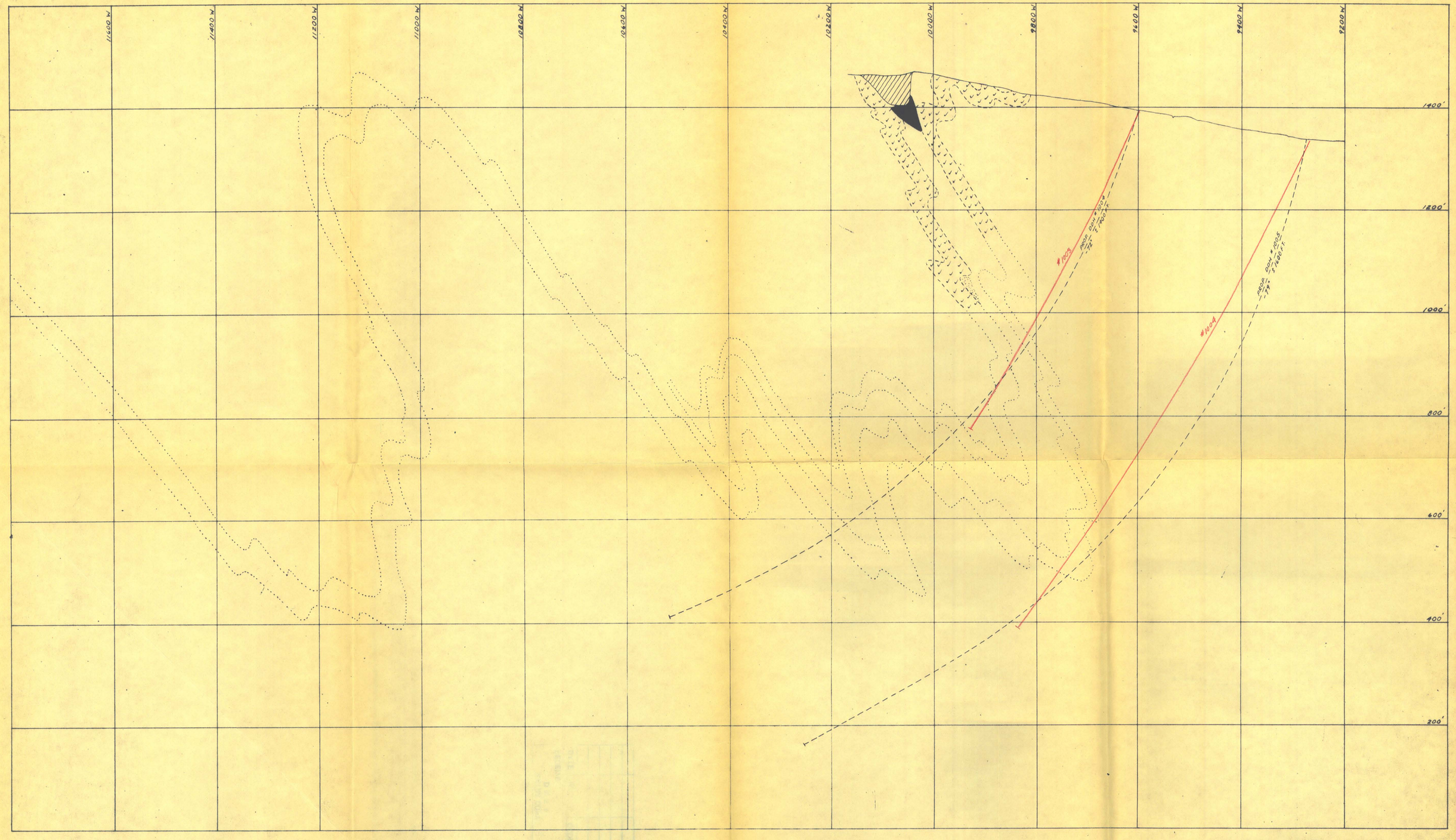
RED LINES AND NUMBERS INDICATE ORIGINALLY PROPOSED DIAMOND DRILL HOLES

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 15,100 NORTH

SCALE: 1" = 100'

July 1, 1957



SURFACE OUTLINE; UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE; MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

PROJECTED OR INFERRED AMPHIBOLITE HORIZON

PROPOSED DIAMOND DRILL HOLE

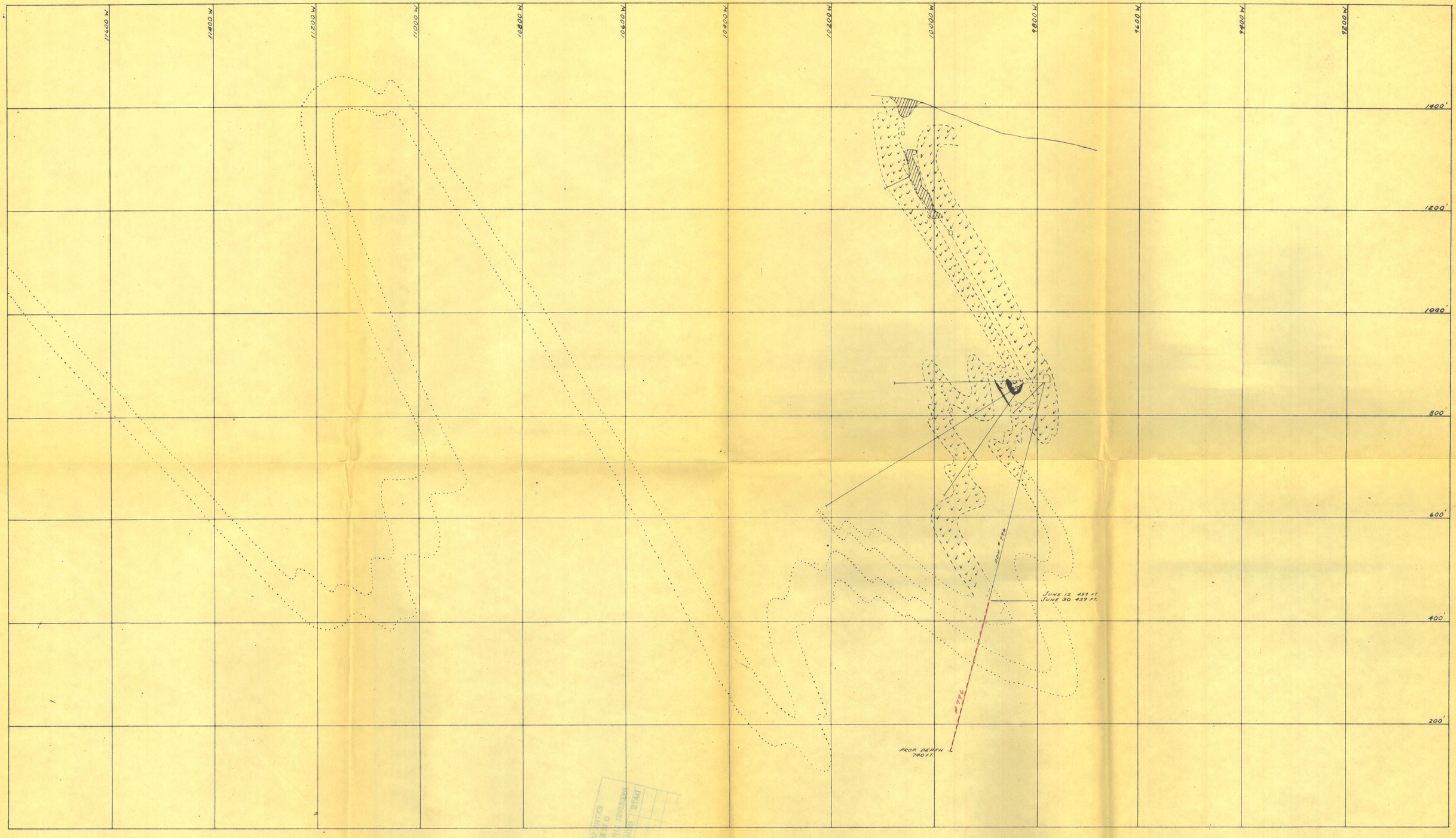
RED LINES AND NUMBERS INDICATE ORIGINALLY PROPOSED DIAMOND DRILL HOLES

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE, SOUTH STRAFFORD, VT.

CROSS SECTION 8800 NORTH

SCALE: 1" = 100'

JULY 1, 1957



SURFACE OUTLINE, UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE; MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

PROJECTED OR INFERRED AMPHIBOLITE HORIZON

PROPOSED DIAMOND DRILL HOLE

RED LINES AND NUMBERS INDICATE ORIGINALLY PROPOSED DIAMOND DRILL HOLES

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 10,100 NORTH

SCALE: 1" = 100'

July 5 1957

11600 W | 11400 W | 11200 W | 11000 W | 10800 W | 10600 W | 10400 W | 10200 W | 10000 W | 9800 W | 9600 W | 9400 W | 9200 W

1400'

1200'

1000'

800'

600'

400'

200'

DDH #1030 U
SPLIT CORE ASSAYS

No.	Footage	W.	%Cu	%/ft
33922	79.4'-80.1'	2.5'	0.46	32.80
33923	108.0'-112.0'	4.0'	1.70	23.40
34022	124.8'-126.0'	1.2'	0.37	27.40
34023	129.3'-131.5'	3.2'	0.29	9.40
34024	132.5'-133.5'	1.0'	0.18	9.20
34025	136.5'-139.5'	3.0'	1.52	43.90
34026	139.5'-143.5'	4.0'	1.61	26.60
34027	143.5'-147.8'	3.8'	1.29	20.60
34028	163.7'-169.6'	1.9'	3.97	40.60
34031	115.8'-116.7'	1.1'	0.39	10.60

DDH #1012 U
SPLIT CORE ASSAYS

No.	Footage	W.	%Cu	%/ft
34030	84.4'-87.0'	1.6'	3.76	19.20
34031	89.0'-89.6'	0.6'	0.98	51.00
34032	130.0'-132.2'	2.2'	0.53	18.20
34033	132.2'-132.5'	0.3'	1.15	28.90
34034	150.3'-151.1'	0.8'	0.40	9.20
34035	157.3'-160.4'	3.1'	0.53	14.00
34036	167.5'-168.8'	1.3'	3.10	20.00

DDH #1013 U
SPLIT CORE ASSAYS

No.	Footage	W.	%Cu	%/ft
34061	22.6'-26.3'	3.7'	0.27	10.40
34062	89.0'-90.7'	1.7'	1.40	15.80
34063	90.7'-93.2'	2.5'	2.98	14.80
34064	93.2'-94.8'	1.6'	0.82	12.40
34065	116.9'-117.2'	0.3'	0.23	51.20
34040	139.0'-146.1'	2.1'	1.74	34.80
34041	146.1'-148.9'	2.8'	0.66	16.20
34042	148.9'-159.4'	10.5'	1.60	31.40
34043	159.4'-160.4'	1.0'	0.27	11.20
34044	160.4'-161.0'	0.6'	0.68	25.60
34045	161.0'-165.0'	4.0'	0.32	13.60
34046	165.0'-167.4'	2.4'	0.37	18.00
34054	167.4'-169.9'	2.5'	0.78	17.60
34047	169.9'-171.6'	1.7'	0.31	17.80
34048	171.6'-172.0'	0.4'	0.26	7.20
34049	174.0'-174.1'	0.1'	0.38	37.00
34050	174.1'-175.1'	1.0'	0.25	10.40
34051	176.1'-178.1'	2.0'	0.90	35.40
34052	178.1'-183.7'	5.6'	0.16	2.60
34053	183.7'-187.0'	3.3'	0.41	12.40

DDH #1027 U
SPLIT CORE ASSAYS

No.	Footage	W.	%Cu	%/ft
34066	180'-200'	2.0'	0.40	9.20
34067	356'-359'	2.3'	0.73	16.80
34068	848'-850'	1.2'	0.26	17.00
34069	850'-852'	1.2'	0.26	8.80
34070	104.2'-105.5'	1.3'	0.38	18.00
34071	1730'-1733'	0.3'	1.15	16.40
34072	1733'-1748'	1.5'	2.03	34.80
34073	1748'-1763'	1.5'	0.31	10.00
34074	200.3'-203.3'	3.0'	0.45	15.40
34075	203.3'-207.0'	3.7'	0.49	17.60
34076	251.0'-253.8'	2.8'	0.16	10.00
34077	253.8'-256.0'	2.2'	0.18	13.60

SURFACE OUTLINE; UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE; MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

PROJECTED OR INFERRED AMPHIBOLITE HORIZON

PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 12400 NORTH

SCALE: 1" = 100'

NOVEMBER 4 1957

11600 W | 11400 W | 11200 W | 11000 W | 10800 W | 10600 W | 10400 W | 10200 W | 10000 W | 9800 W | 9600 W | 9400 W | 9200 W

1400'

DDH #1014 U
SPLIT CORE ASSAYS

NO.	FOOTAGE	W.	%CU	%FE
34545	1075'-1078'	2.5'	0.13	1.00
34546	1250'-1270'	20'	0.36	7.40
34547	1270'-1289'	19'	0.73	8.40
34548	1280'-1283'	03'	0.11	38.60
34549	1283'-1285'	12'	0.16	9.40

1200'

DDH #1015 U
SPLIT CORE ASSAYS

NO.	FOOTAGE	W.	%CU	%FE
34553	1865'-1877'	12'	1.65	13.90
34554	1857'-1859.5'	2.5'	0.85	40.30
34555	1900'-1912'	12'	1.71	43.80
34556	1912'-1933'	21'	0.71	43.00
34557	1934'-1944'	10'	0.95	25.60
34558	1947'-1955'	8.0'	1.08	17.00
34559	1955'-2000'	5.0'	0.37	47.00
34560	2000'-2004.0'	5'	0.47	7.60
34561	2080'-2110'	30'	0.21	6.80
34562	2110'-2143'	33'	0.17	6.00
34563	2143'-2163'	20'	0.33	16.40
34564	2163'-2213'	50'	0.33	14.20
34565	2213'-2233'	22'	0.53	17.60
34551	1020'-1055'	35'	0.16	7.60
34552	1075'-1085'	3.0'	0.11	7.20

1000'

DDH #1016 U
SPLIT CORE ASSAYS

NO.	FOOTAGE	W.	%CU	%FE
34515	10.0' - 12.2'	2.2'	0.16	6.80
34516	12.2' - 16.0'	3.8'	1.37	31.80
34517	16.0' - 20.0'	4.0'	3.38	17.60
34518	20.0' - 23.0'	3.0'	0.30	28.00
34519	23.0' - 27.0'	4.0'	0.76	8.00
34600	76.0' - 86.0'	10'	0.18	8.80
34004	89.0' - 93.5'	3.5'	0.10	7.20
34001	93.5' - 99.0'	5.5'	0.36	10.80
34002	99.0' - 91.5'	2.5'	0.08	8.20
34003	91.5' - 93.5'	2.0'	1.78	22.40
34081	94.5' - 99.5'	5.0'	0.19	10.00
34005	99.0' - 101.0'	4.0'	0.13	8.40
34006	101.0' - 105.0'	4.0'	0.10	22.00
34007	105.0' - 109.5'	4.5'	0.08	6.00
34008	109.5' - 112.5'	1.0'	0.08	6.40
34009	112.5' - 117.5'	0.5'	1.03	45.90
34010	117.5' - 119.5'	1.5'	0.24	7.20
34011	119.0' - 124.0'	5.0'	0.42	13.30
34012	124.0' - 128.5'	4.5'	0.27	11.10
34013	128.5' - 131.5'	3.0'	0.72	14.40
34015	141.5' - 144.1'	2.6'	0.18	7.40
34016	144.1' - 147.1'	3.0'	0.31	17.60
34017	147.1' - 150.6'	2.7'	0.63	10.60
34018	186.3' - 186.5'	0.5'	0.61	10.60
34019	186.5' - 191.8'	5.3'	0.82	18.60
34020	191.8' - 195.0'	3.2'	0.37	11.80
34021	195.0' - 196.9'	1.9'	0.57	11.80

800'

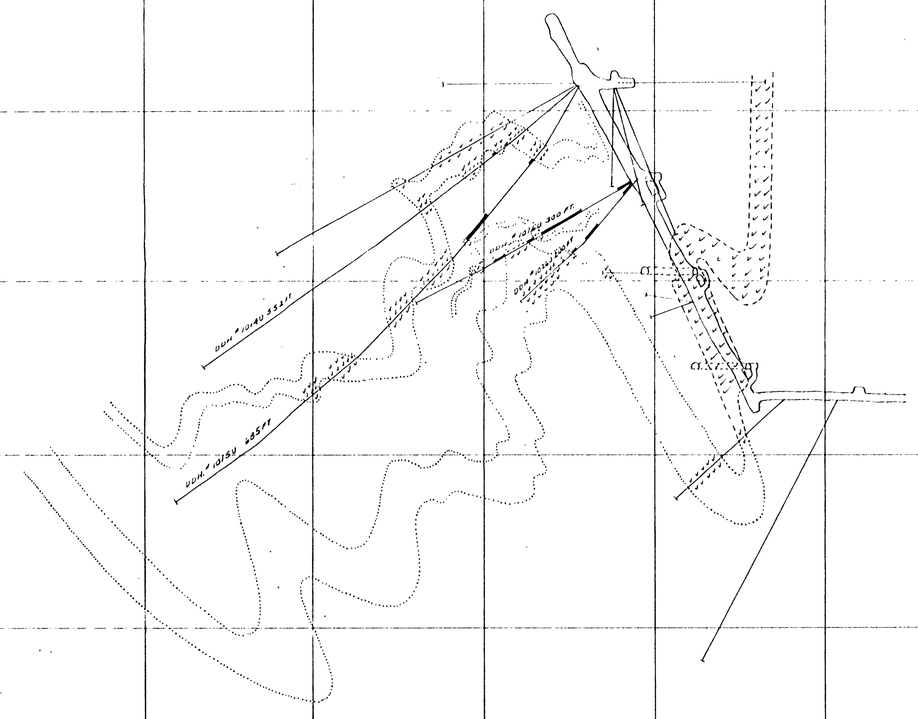
600'

DDH #1025 U
SPLIT CORE ASSAYS

NO.	FOOTAGE	W.	%CU	%FE
34573	10.0' - 12.4'	2.4'	0.18	7.60
34574	12.4' - 14.0'	1.6'	2.16	46.00
34580	14.0' - 16.0'	2.0'	1.61	19.00
34581	16.0' - 20.0'	4.0'	0.30	6.00
34582	20.0' - 24.7'	4.7'	2.33	16.80
34583	72.0' - 73.0'	1.0'	0.31	19.00
34584	73.0' - 73.5'	0.5	0.32	32.00
34585	73.5' - 77.5'	3.4	0.31	7.60
34586	77.5' - 77.7'	0.2	0.69	31.40
34587	79.4' - 80.6'	1.2	0.23	7.00
34588	80.6' - 84.3'	3.7	0.18	10.40
34589	84.3' - 91.0'	6.7	0.18	15.00
34590	91.0' - 93.7'	2.5	1.16	29.20
34591	110.5' - 111.3'	1.1'	1.21	37.80
34592	111.7' - 113.0'	1.1'	0.24	7.40
34593	113.0' - 117.2'	4.2'	0.76	18.60
34594	130.0' - 131.0'	1.0'	0.31	15.80

400'

200'



SURFACE OUTLINE; UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE; MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

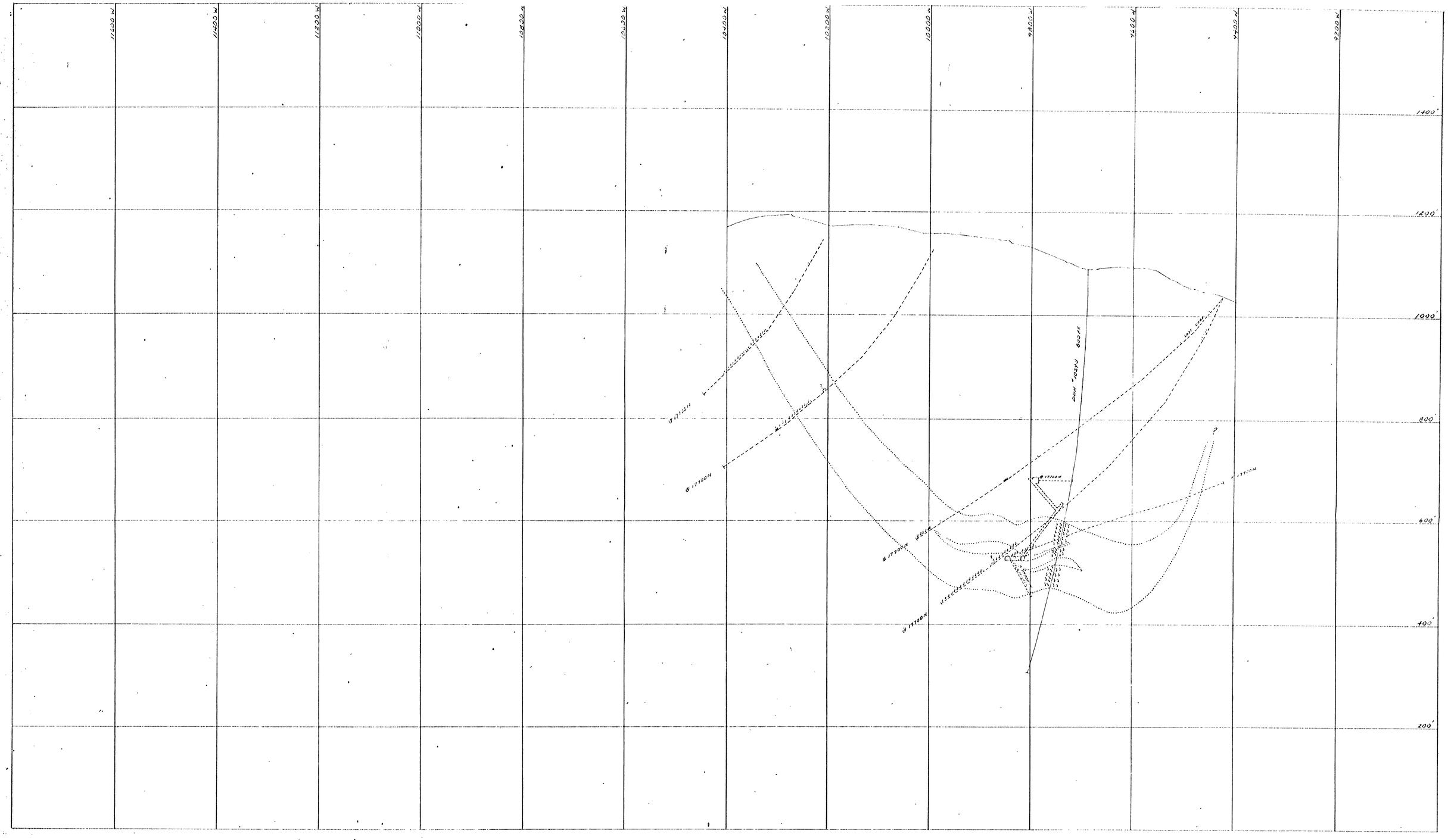
PROJECTED OR INFERRED AMPHIBOLITE HORIZON

PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 13,100 NORTH

SCALE: 1" = 100' NOVEMBER 1, 1951



SURFACE OUTLINE; UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE, MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

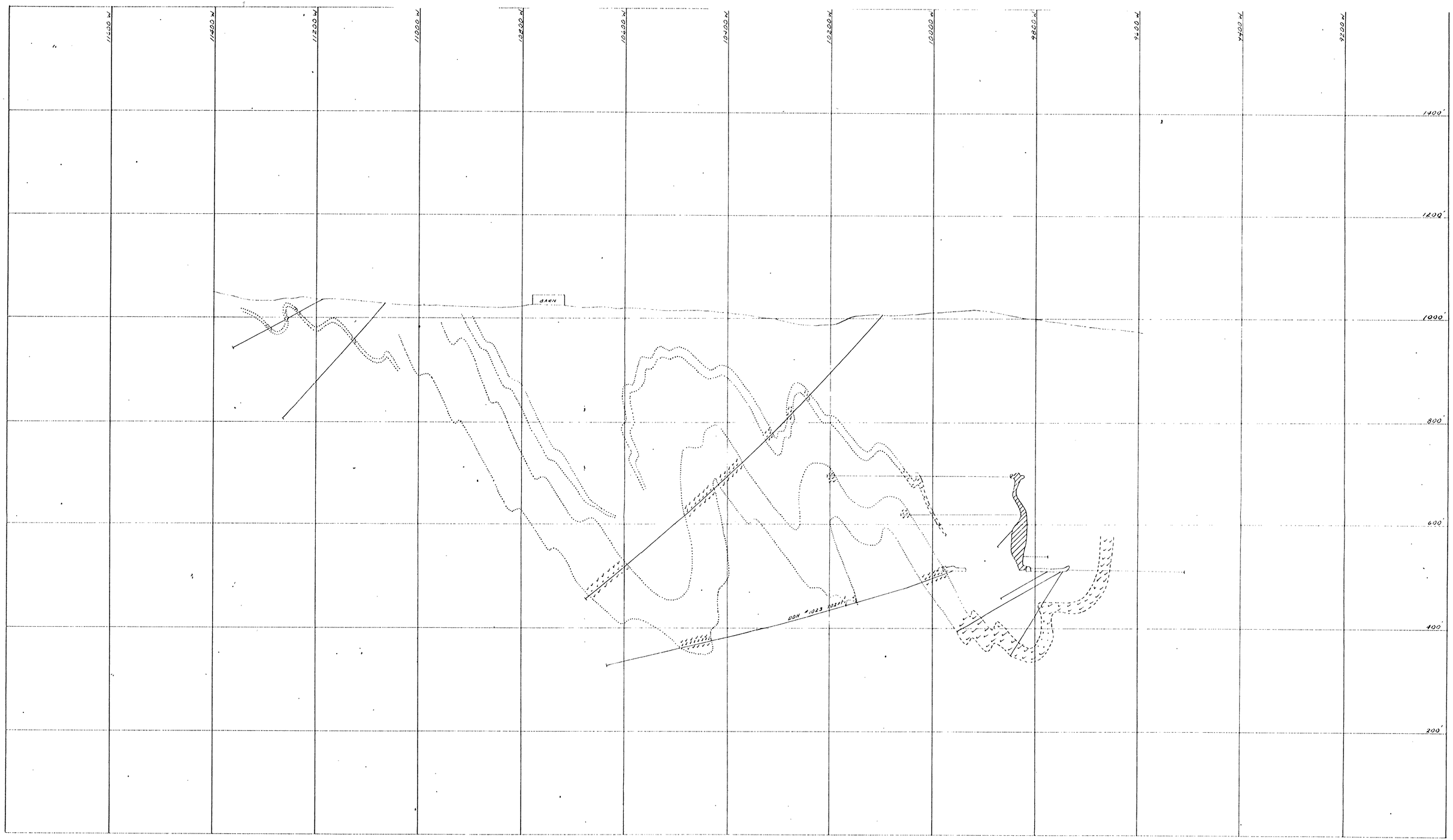
PROJECTED OR INFERRED AMPHIBOLITE HORIZON

PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 18000 NORTH

SCALE. 1" = 100' NOVEMBER 1, 1957



SURFACE OUTLINE, UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE; MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

PROJECTED OR INFERRED AMPHIBOLITE HORIZON

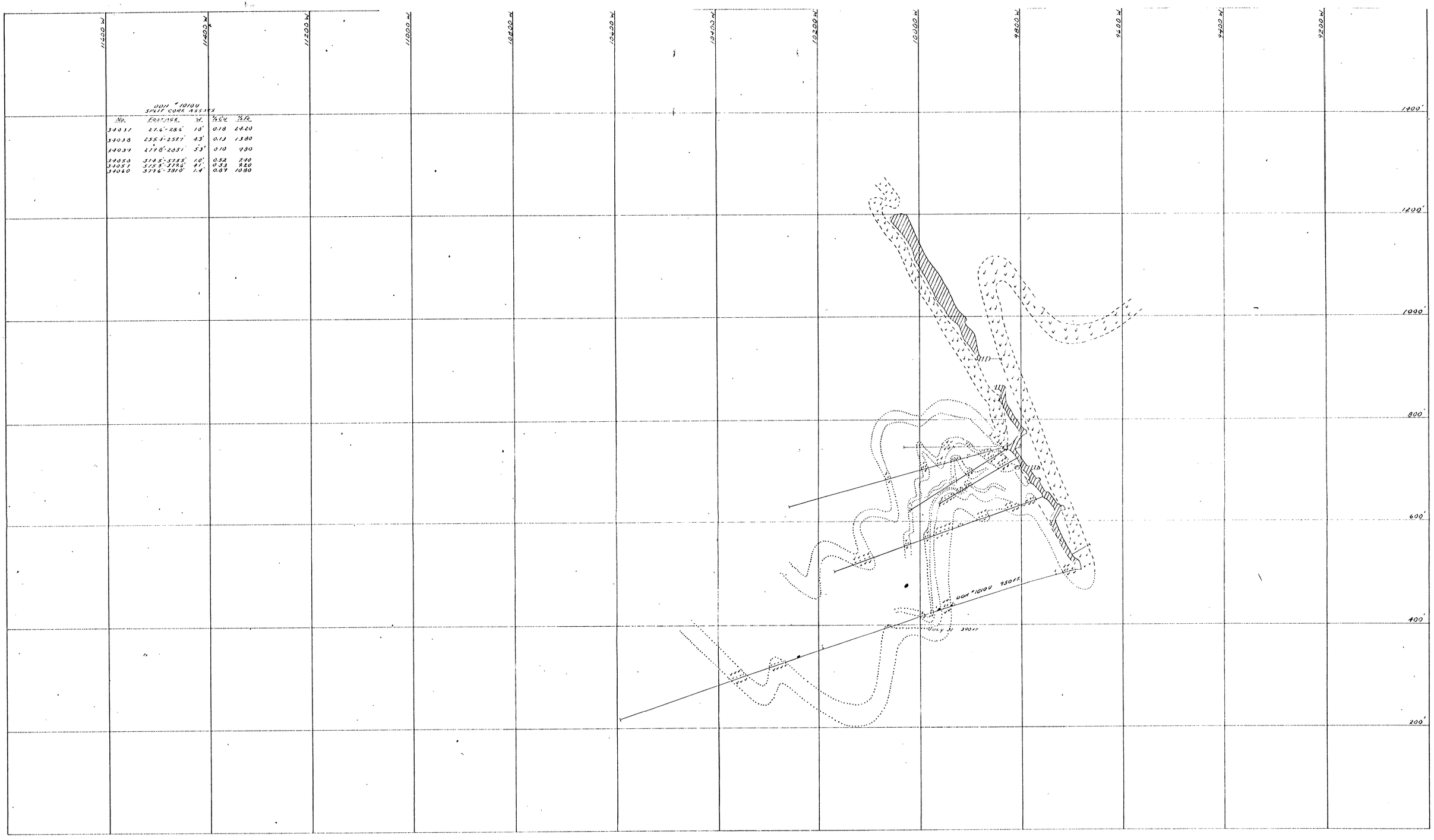
PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 15,100 NORTH

SCALE: 1" = 100'

NOVEMBER 1, 1957



SURFACE OUTLINE; UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE; MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

PROJECTED OR INFERRED AMPHIBOLITE HORIZON

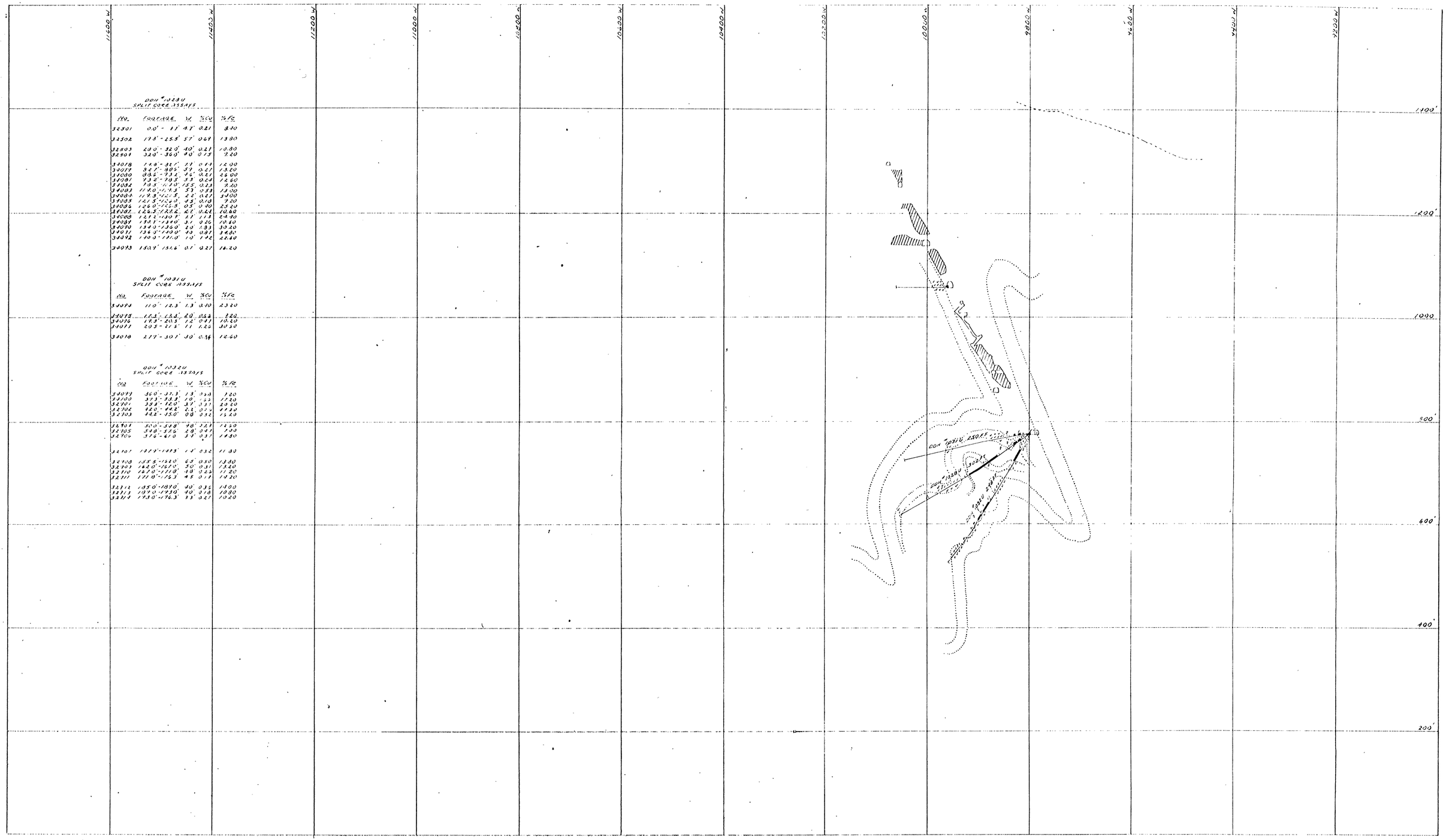
PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 12,100 NORTH

SCALE: 1" = 100'

NOVEMBER 1, 1957



DDH #10230
SPLIT CORE ASSAYS

NO.	FOOTAGE	W.	%CU	%FE
32501	0.0' - 41'	4.1'	0.21	8.40
32502	17.5' - 25.5'	5.1'	0.67	13.80
32503	28.0' - 32.0'	4.0'	0.21	10.80
32504	32.0' - 36.0'	4.0'	0.15	7.20
34078	74.9 - 81.1'	5.1	0.11	12.00
34079	84.7' - 89.5'	5.1	0.27	13.20
34080	88.5 - 93.2'	4.6'	0.21	6.00
34081	93.2' - 98.5'	5.3	0.24	12.60
34084	10.3' - 12.0'	1.25	0.23	2.40
34083	11.40 - 11.75	.35	0.53	14.00
34084	11.75' - 12.5	.75	0.27	3.00
34085	12.5' - 22.0'	9.5'	0.18	7.20
34086	12.6.0' - 22.5	0.5'	0.40	23.20
34087	126.5' - 128.2	1.7'	0.24	10.80
34088	131.2 - 132.7'	1.5'	1.13	24.40
34089	138.1' - 139.0'	.9'	0.26	10.40
34090	139.0' - 139.0'	2.0	1.33	30.20
34091	136.9' - 139.0'	1.0	0.97	34.80
34092	140.0 - 141.0'	1.0	1.92	22.80
34093	150.9' - 151.6'	0.7'	0.27	16.20

DDH #10310
SPLIT CORE ASSAYS

NO.	FOOTAGE	W.	%CU	%FE
34094	11.0' - 12.3'	1.3'	0.10	23.20
34095	16.4' - 18.4'	2.0	0.54	7.20
34096	19.5' - 20.5'	1.2'	0.97	10.20
34097	20.5 - 21.5'	1.1	1.26	30.20
34098	27.7' - 30.1'	3.0'	0.36	12.60

DDH #10320
SPLIT CORE ASSAYS

NO.	FOOTAGE	W.	%CU	%FE
34099	32.0' - 33.3'	1.3'	0.58	7.20
34100	33.3 - 33.8'	1.0'	.55	17.20
34101	33.8 - 36.0'	3.1'	0.31	29.20
32102	42.0' - 44.2'	2.2'	0.14	27.20
32103	44.2 - 45.0'	0.8'	0.32	15.20
32104	50.0' - 53.8'	3.8'	0.27	17.20
32105	53.8 - 57.6	3.8'	0.37	7.20
32106	57.6' - 61.0	3.4'	0.37	14.80
32107	137.9' - 141.3'	1.4'	0.32	11.80
32108	155.5 - 162.0	6.5'	0.30	13.80
32109	162.0' - 167.0	5.0'	0.31	13.20
32110	167.0' - 171.8'	4.8	0.25	11.20
32111	171.8' - 176.3	4.5	0.17	14.20
32112	185.0' - 187.0'	2.0'	0.35	14.00
32113	187.0 - 189.0'	2.0'	0.18	10.80
32114	189.0' - 192.3	3.3'	0.21	10.20

SURFACE OUTLINE, UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE, MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

PROJECTED OR INFERRED AMPHIBOLITE HORIZON

PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 11600 NORTH

SCALE: 1" = 100'

NOVEMBER 4, 1957

DDH # 1006 S
SPLIT CORE ASSAYS

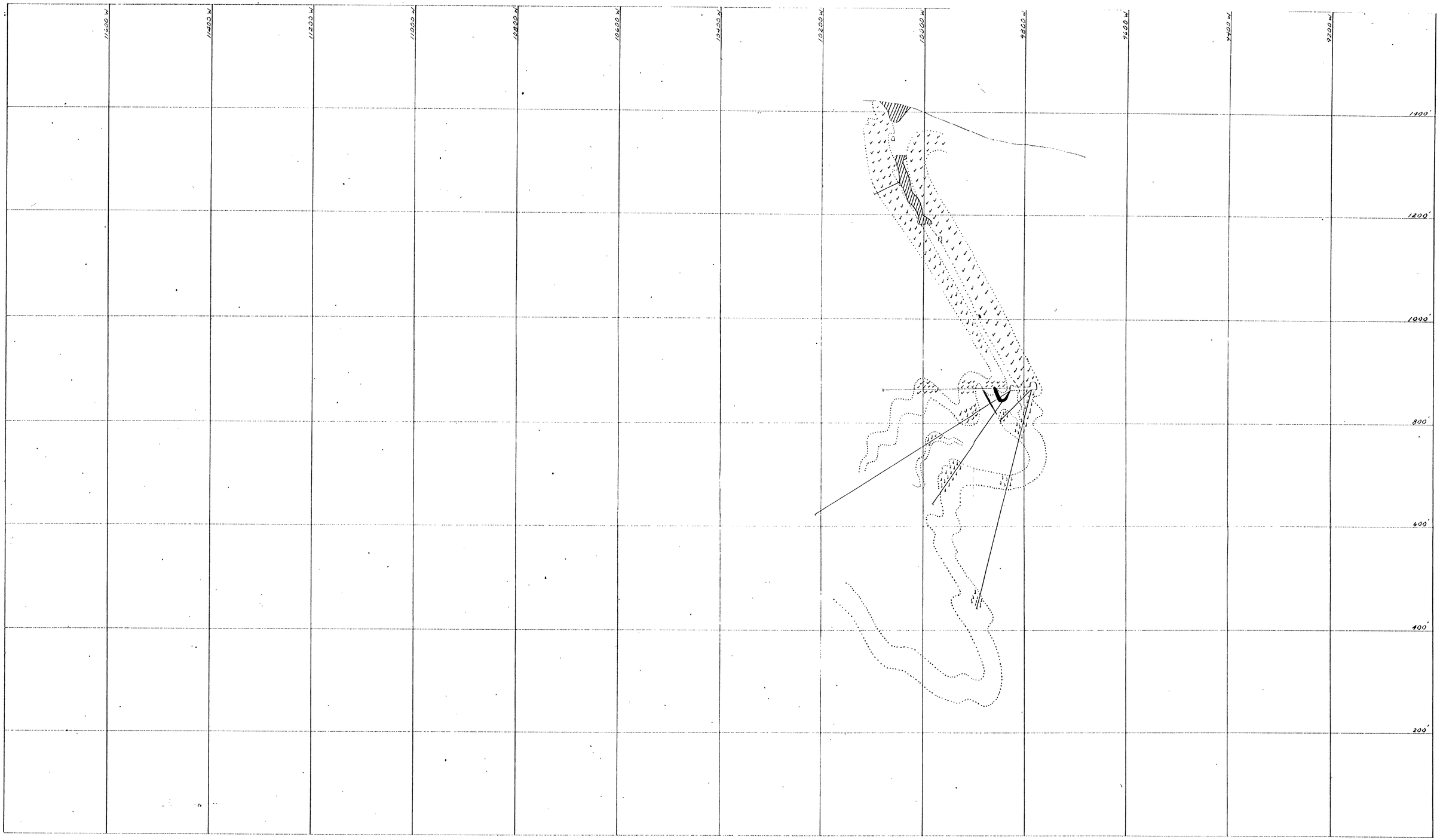
NO	FOOTAGE	W	% Cu	% Fe
34566	732.3'-734.2'	1.9'	0.36	14.00
34567	734.2'-734.9'	0.7'	0.16	5.00
34568	734.9'-740.9'	6.0'	0.16	5.80
34569	740.9'-743.3'	2.4'	0.40	19.40
34570	743.3'-745.6'	2.3'	0.32	8.60
34571	745.6'-746.0'	0.4'	1.08	33.00
34572	768.0'-775.2'	7.2'	0.31	11.90
34573	775.2'-780.0'	4.8'	0.44	9.00
34574	843.6'-846.8'	3.2'	0.11	7.20

SURFACE OUTLINE; UNDERGROUND WORKINGS
EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTUAL INTERPRETATION
MINED OUT AREA
KNOWN ORE; MINERALIZED HORIZON
KNOWN AMPHIBOLITE HORIZON
PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON
PROJECTED OR INFERRED AMPHIBOLITE HORIZON
PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 10,900 NORTH

SCALE: 1" = 100' NOVEMBER 1, 1957



SURFACE OUTLINE, UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTUAL INTERPRETATION

MINED OUT AREA

KNOWN ORE, MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

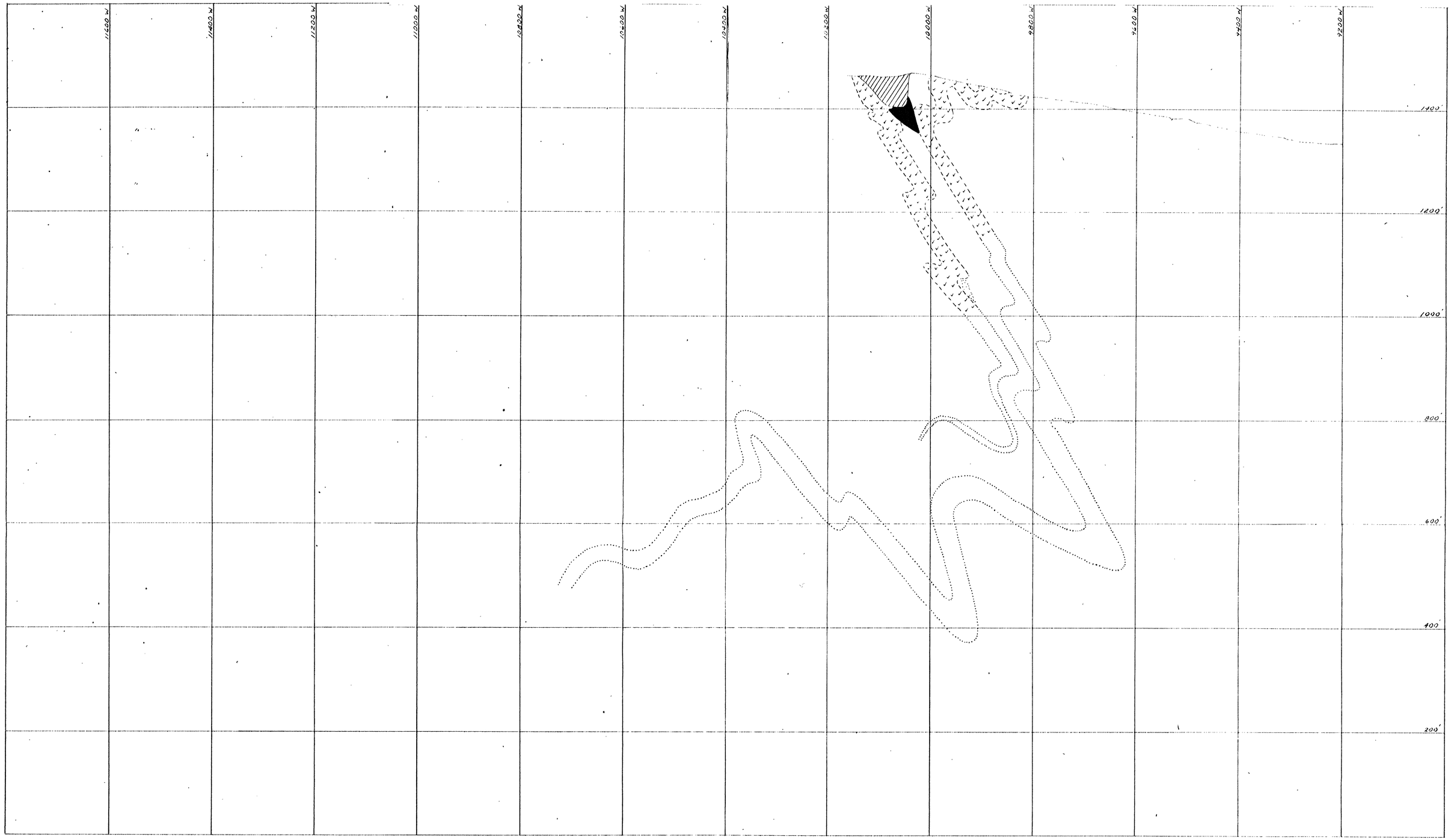
PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

PROJECTED OR INFERRED AMPHIBOLITE HORIZON

PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.
CROSS SECTION 10,100 NORTH

SCALE: 1" = 100' NOVEMBER 1, 1957



SURFACE OUTLINE; UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE; MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

PROJECTED OR INFERRED AMPHIBOLITE HORIZON

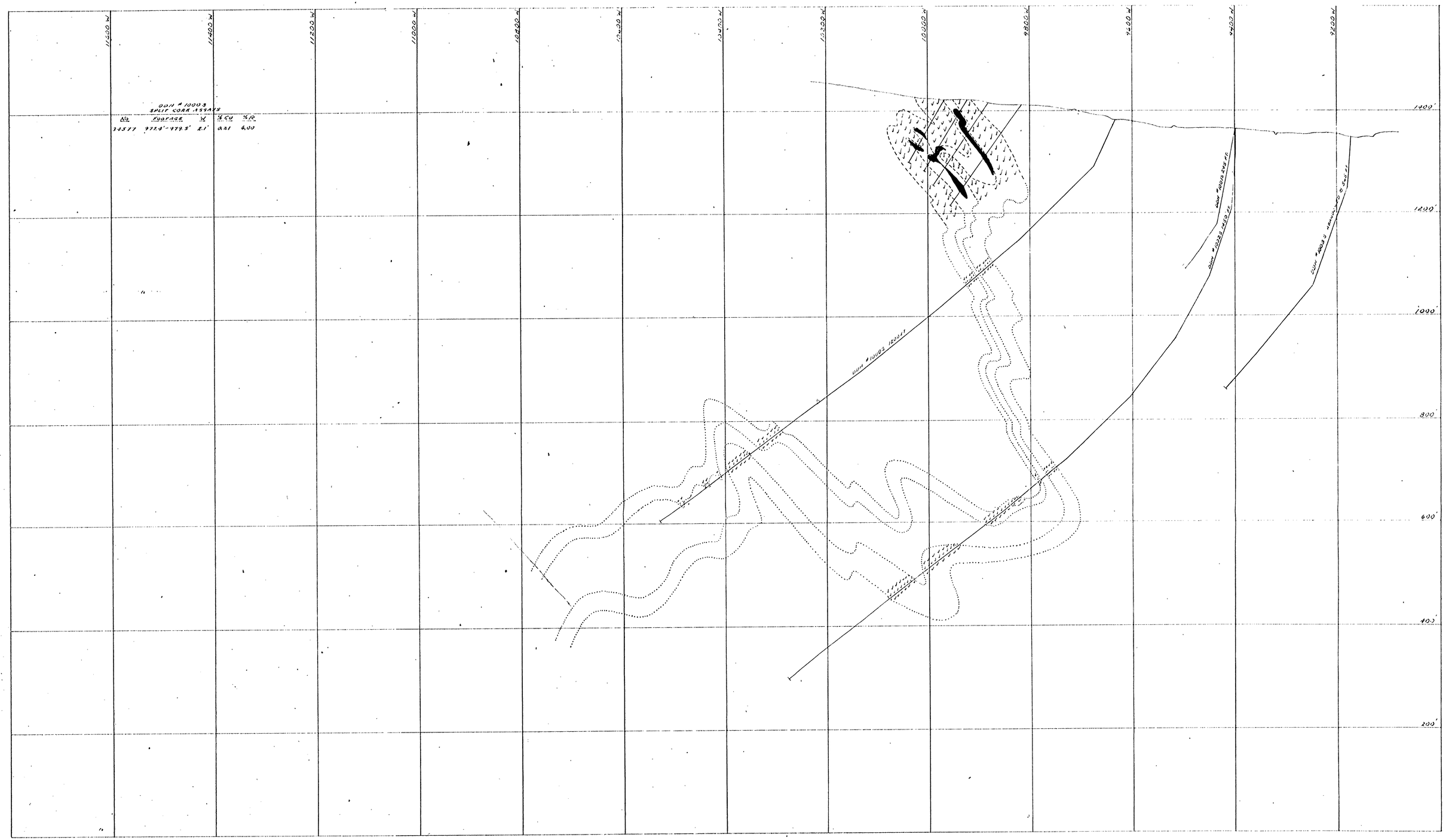
PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 8800 NORTH

SCALE: 1" = 100'

NOVEMBER 1, 1951



SURFACE OUTLINE; UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE; MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

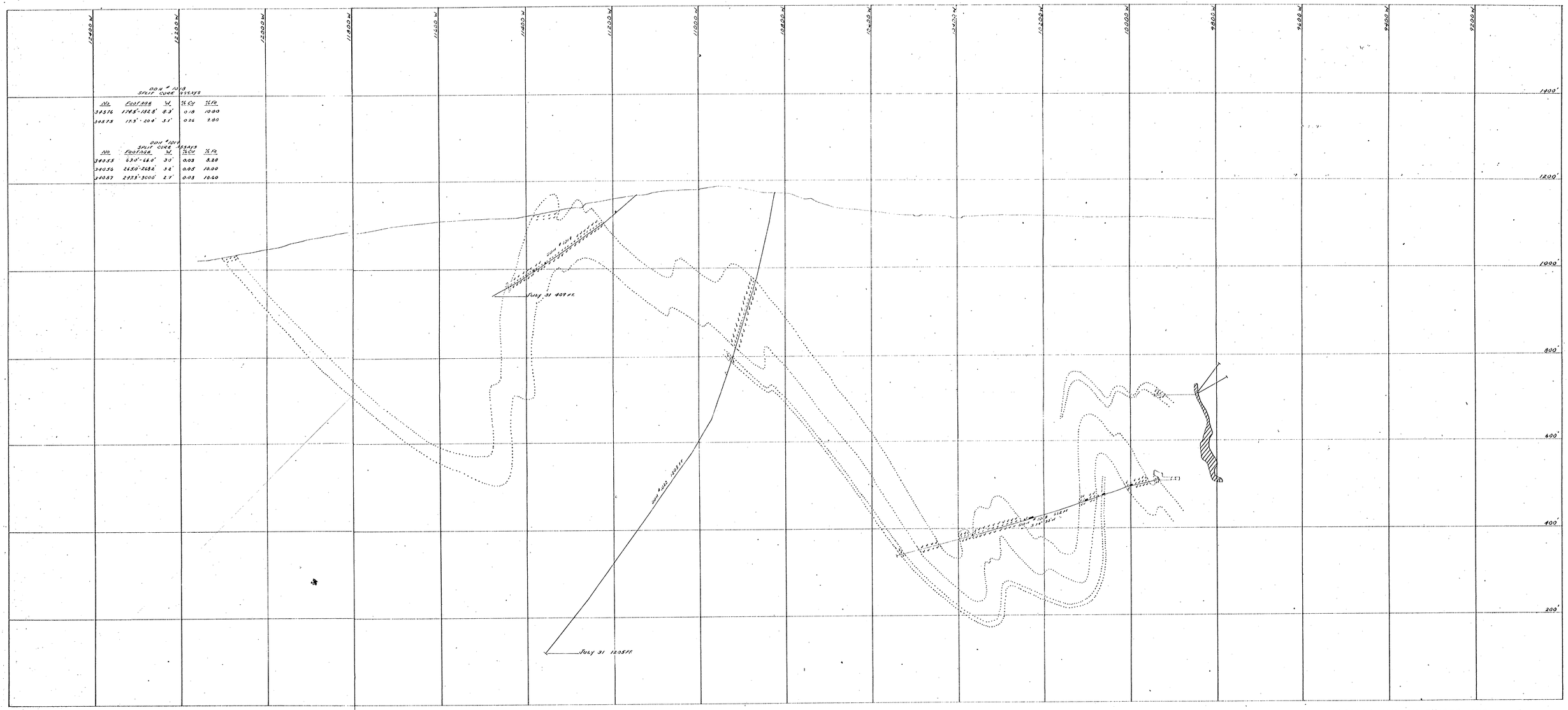
PROJECTED OR INFERRED AMPHIBOLITE HORIZON

PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 7442 NORTH

SCALE: 1" = 100' NOVEMBER 1, 1957



SURFACE OUTLINE, UNDERGROUND WORKINGS

EXISTING DIAMOND DRILL HOLES PERTINENT TO STRUCTURAL INTERPRETATION

MINED OUT AREA

KNOWN ORE, MINERALIZED HORIZON

KNOWN AMPHIBOLITE HORIZON

PROJECTED OR INFERRED ORE OR MINERALIZED HORIZON

PROJECTED OR INFERRED AMPHIBOLITE HORIZON

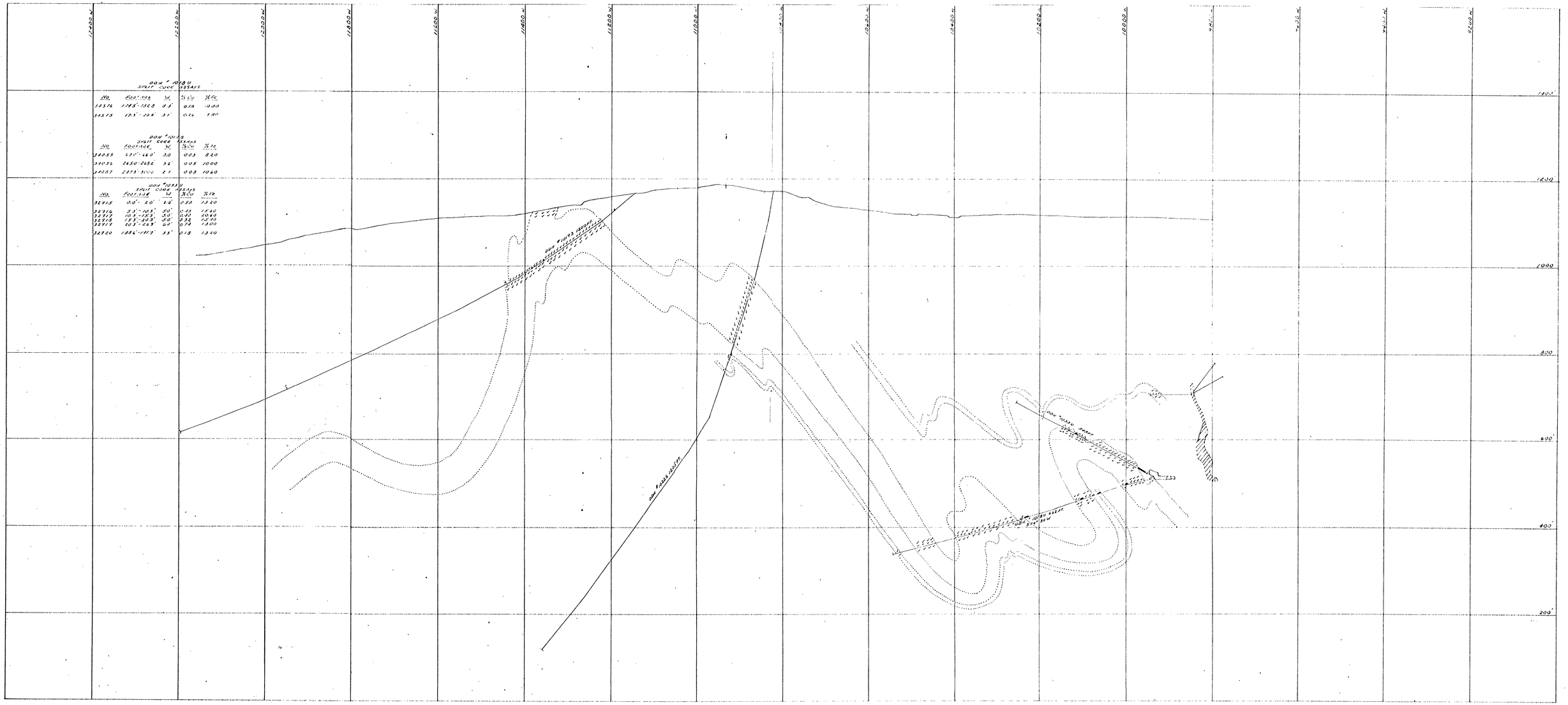
PROPOSED DIAMOND DRILL HOLE

APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 14,000 NORTH

SCALE: 1" = 100'

AUGUST 1, 1957



APPALACHIAN SULPHIDES INC.
ELIZABETH MINE SOUTH STRAFFORD, VT.

CROSS SECTION 14,000 NORTH

SCALE: 1" = 100'

NOVEMBER 1, 1957