PROGRESS REPORT

August, 1959

Docket No. DMEA-4947

Contract No. Idm-E1224

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DATE	INITIALS	CODE

Roland F. Beers, Inc. Troy, New York

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GENERAL INFORMATION

STAGE II (Areas 3 and 4)

Phase I work in Areas 3 and 4 was severely restricted because approximately 60% of the region is blueberry land and harvesting was not completed until the end of August. The Field Office was unable to expedite the lease program in these areas since many of the landowners showed inclination to delay procedure until their crops were harvested. Both Phase I and Phase II work proceeded where possible. Current grids were filled in and extended where necessary in order to continue geophysical investigation of the basics involved.

* * * *

STAGE II - Area 3, Phase I

Geological reconnaissance mapping was limited as compared to this type of work during July, and consequently no new basic bodies were discovered within the boundaries of Area 3. When conditions permit continued geological reconnaissance it is expected that more ultrabasics will be mapped.

* * * *

STAGE II - Area 3, Phase II

The Crabtree grid was extended 300 feet to the south. A magnetometer survey on this extension produced a relief of 1800 gammas. The self-potential survey supported the magnetometer survey to a degree of significance. A horizontal-loop E.M. survey failed to produce evidence supporting either of the other surveys. However, the uneven terrain may have caused positive deflection cancelling indication of a legitimate conductor. It is hoped that when the AFMAG survey of Fish Pond reaches the northern end of the lake, a conductor may be located to explain the existence of the many large basic boulders containing a significant amount of sulfide. The location of the boulders can be placed at 17S and 3E with respect to the Crabtree grid. They are angular in shape and are definitely not part of a boulder train. The topographic map was completed on the Perpall prospect and is part of this report.

* * * *

STAGE II - Area 4, Phase I

As mentioned above, investigation was restricted in areas such as Clary Hill (east-center of Area 4) and Lewis (south-southeast of the Johansson prospect). Although geophysical investigation of these locations was limited to magnetometer readings, the results were deemed significant.

* * * * *

STAGE II - Area 4, Phase II

The topographic map on the Burns grid was completed and is a part of this report. The Manks prospect officially entered Phase II on August 24, and the maps enclosed show the extent of the work accomplished. The standard Phase II grid was extended 300 feet to the north on traverse lines 2E, 4E and 6E, and the traverse line 10W was cut on the south. The magnetometer and E. M. surveys failed to produce any significant anomalies within boundaries of the grid. Additional information gained by the Phase II self-potential survey allowed a different interpretation of the general trend. Traverse lines should be extended towards the south to investigate the possibility of an anomaly in this region.

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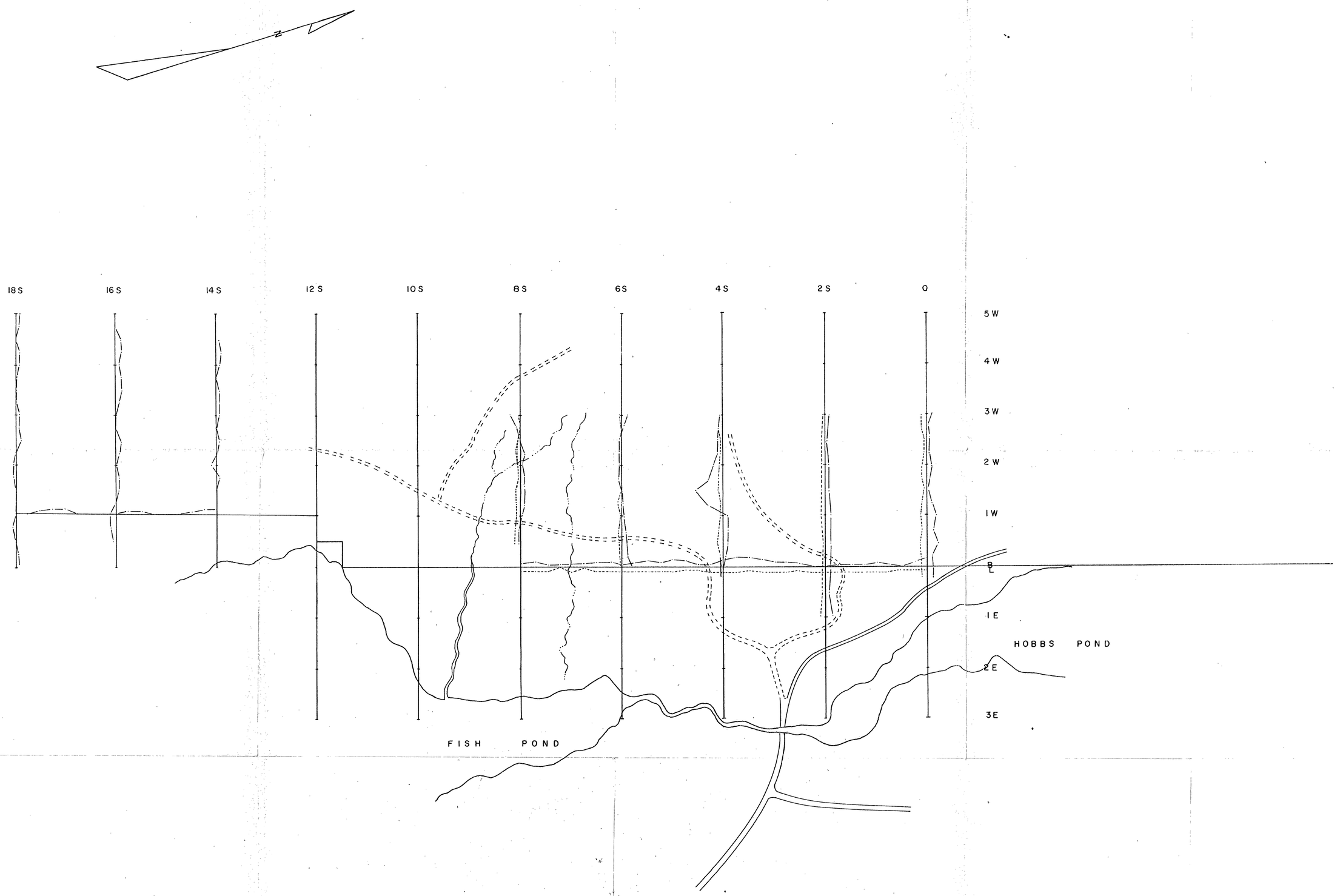


LEGEND

- Road
- Woods Road
- Stream
- Intermittent Stream

HORIZONTAL LOOP E M SURVEY

1 in. = 20 %

+ on North & West

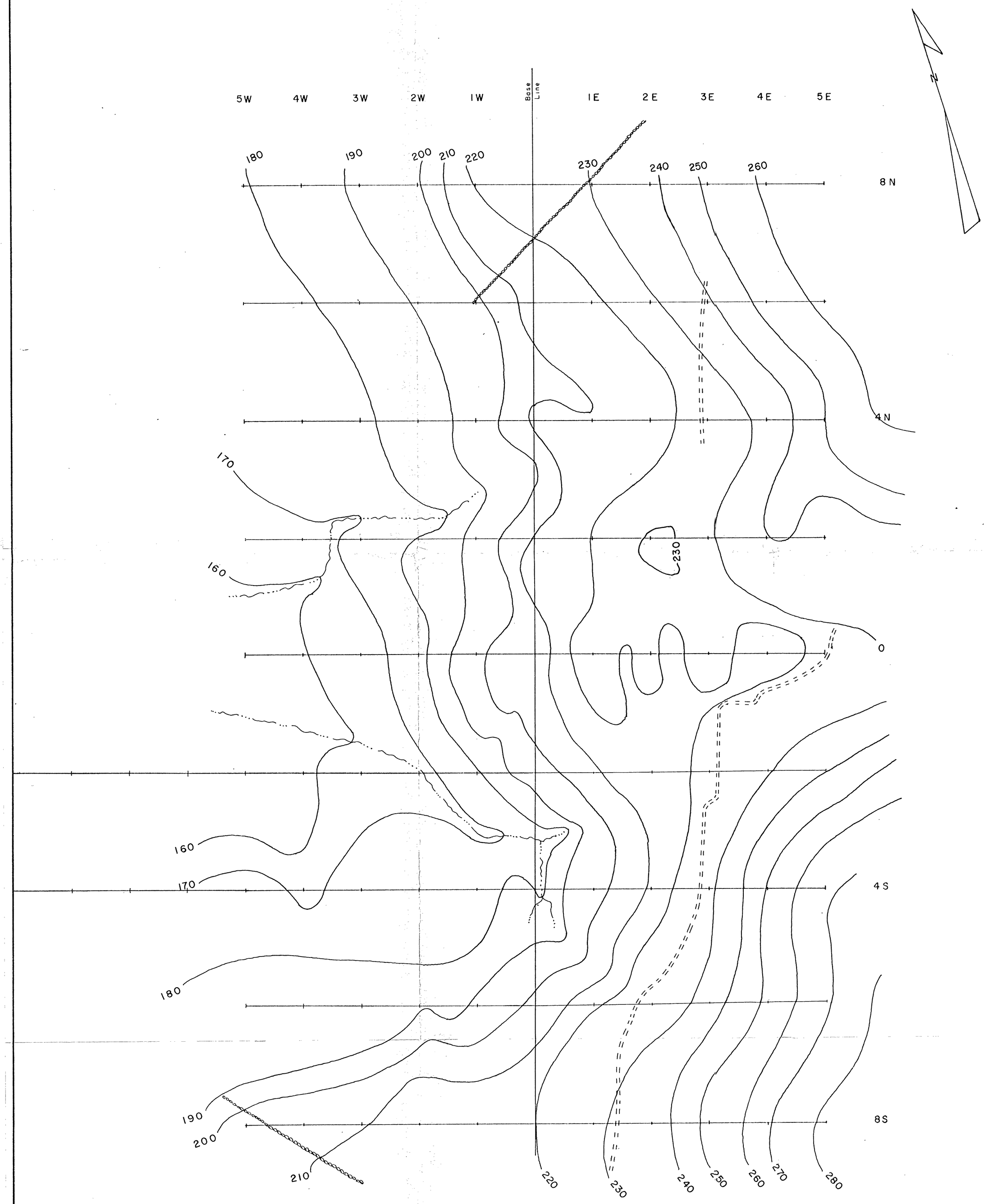
- on South & East

in phase

out-of-phase

Maximum Out-of-Phase on
14S, 16S & 18S = -1, not plotted

Drawn by	Stage 2	ROLAND F. BEERS, INC. TROY, N.Y.
Traced by R. P.	Area 3	CRABTREE PROSPECT
Approved by	Phase 2	Co. KNOX · Twnp HOPE · Scale 1 in. = 100 ft.



LEGEND

Road

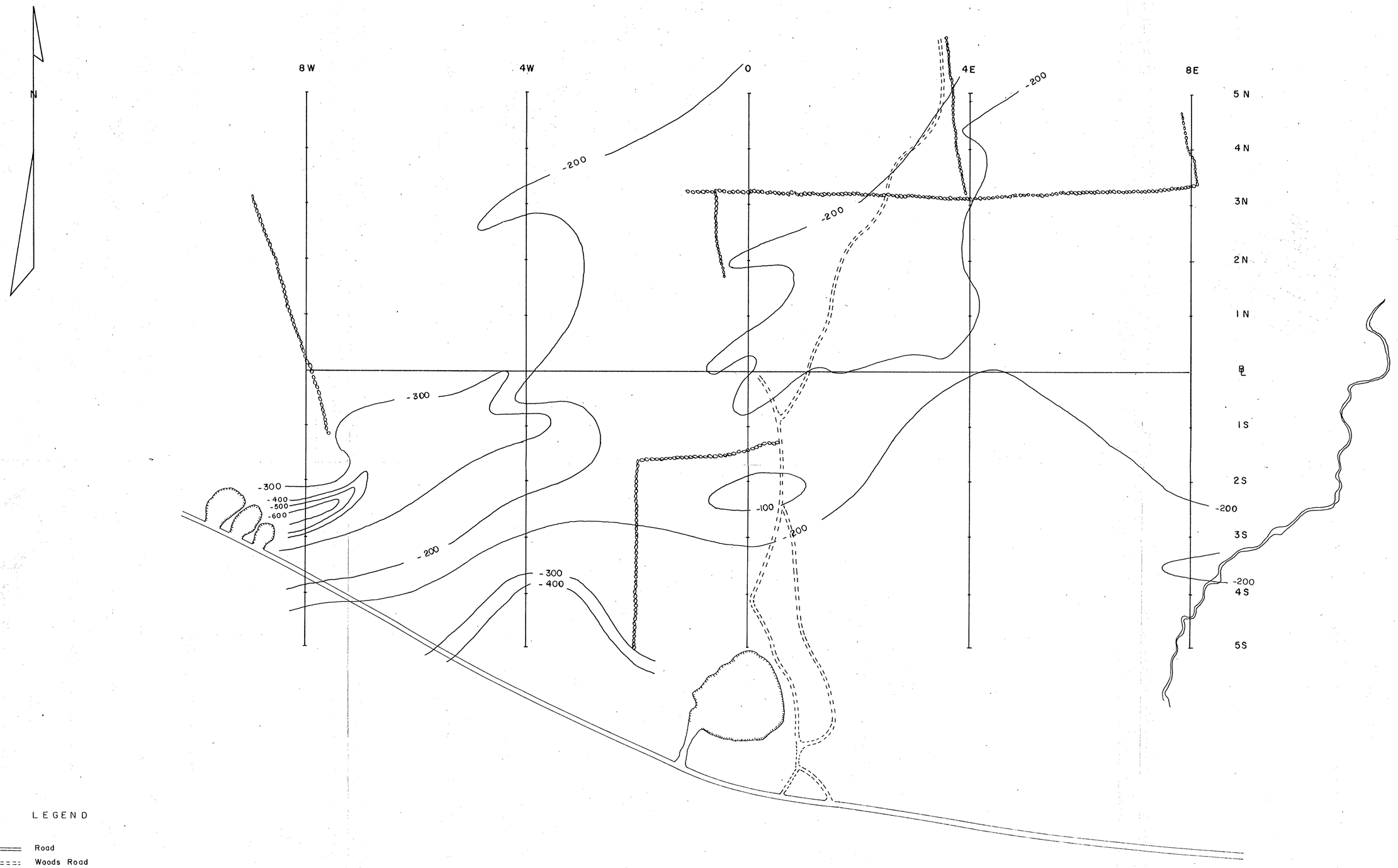
Stream

Stone Wall

TOPOGRAPHIC MAP

Contour Interval 10 Ft

Drawn by S.H.C	Stage 2	ROLAND F. BEERS, INC., TROY, N.Y.
Approved by	Area 3	PERPALL PROSPECT
	Phase 2	County: KNOX · Twnp: UNION · Scale: 1 in = 100 ft.



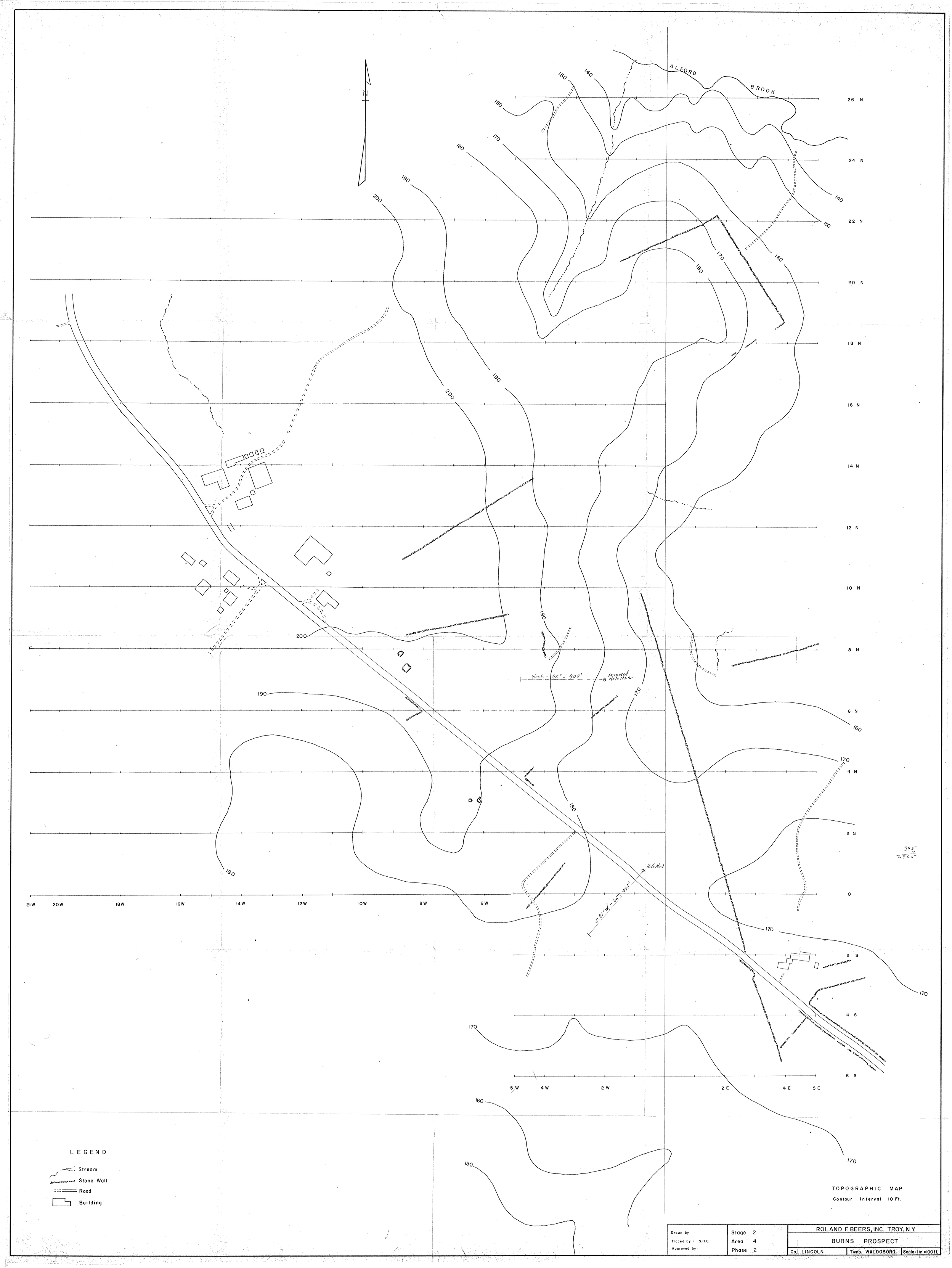
LEGEND

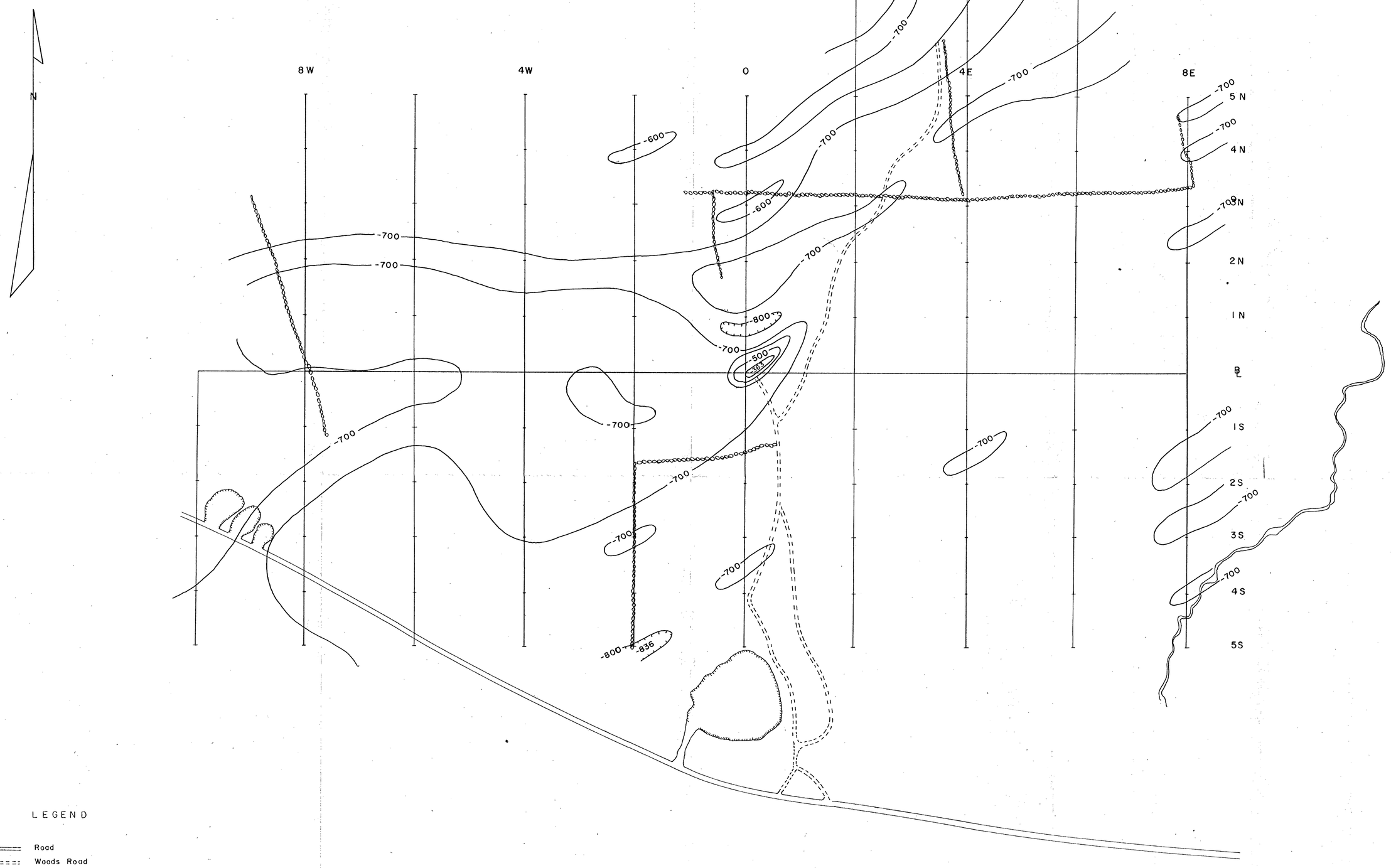
- Road
- Woods Road
- Stone Fence
- Stream
- Gravel Pit

SELF-POTENTIAL SURVEY

Contour Interval 100 millivolts

Drawn by	Stage 2	ROLAND F BEERS, INC. TROY, N.Y.
Traced by R.P	Area 4	MANKS PROSPECT
Approved by	Phase 1	Co. LINCOLN · Twnp WALDOBORO · Scale 1in.= 100 ft.


N
ALFORD
BROOK
26 N
24 N
22 N
20 N
18 N
16 N
14 N
12 N
10 N
8 N
6 N
4 N
2 N
0
2 S
4 S
6 S
21W
20W
18W
16W
14W
12W
10W
8W
6W
5W
4W
2W
2E
4E
5E
140
150
160
170
180
190
200
West - 45° - 400'
Proposed Hole No. 2
Hole No. 1
S 41° W - 45°, 395'
395
276.5
LEGEND
Stream
Stone Wall
Road
Building
TOPOGRAPHIC MAP
Contour Interval 10 Ft.
Drawn by :
Traced by : S.H.C.
Approved by :
Stage 2
Area 4
Phase 2
ROLAND F. BEERS, INC. TROY, N.Y.
BURNS PROSPECT
Co. LINCOLN
Twnp. WALDOBORO
Scale: 1 in = 100 ft.



LEGEND

- Road
- Woods Road
- Stone Fence
- Stream
- Gravel Pit

-837 / -800 Negative Anomaly

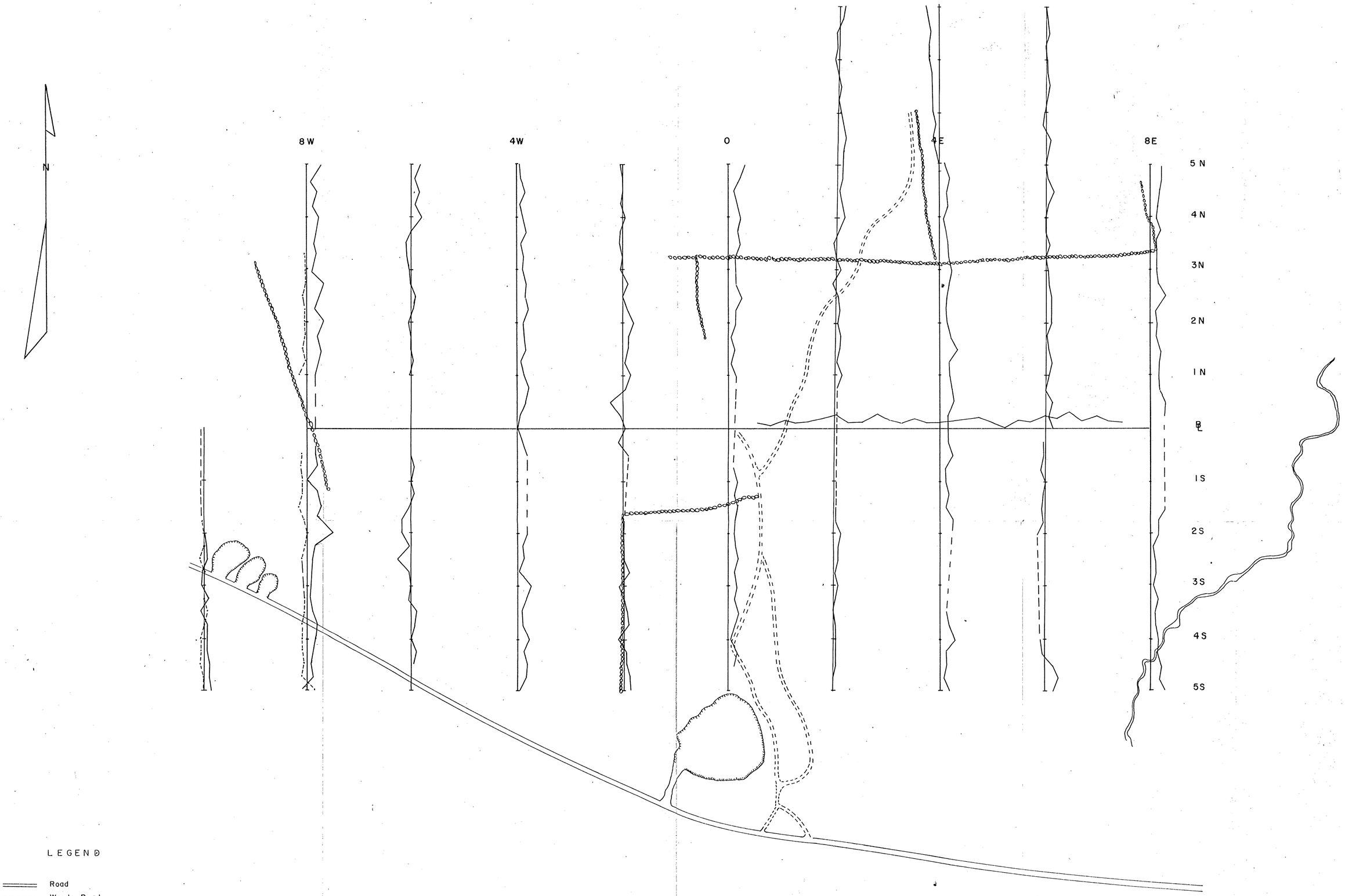
-363 / -600 Positive Anomaly

MAGNETIC SURVEY

Contour Interval 100γ

Background = -600γ to -800γ

Drawn by	Stage 2	ROLAND F BEERS, INC. TROY, N.Y.
Traced by R.P	Area 4	MANKS PROSPECT
Approved by	Phase 2	Co. LINCOLN · Twnp WALDOBORO · Scale 1in.= 100 ft.



LEGEND

- Road
- Woods Road
- Stone Fence
- Stream
- Gravel Pit

HORIZONTAL LOOP E M SURVEY

1 in. = 20%

+ on right & up

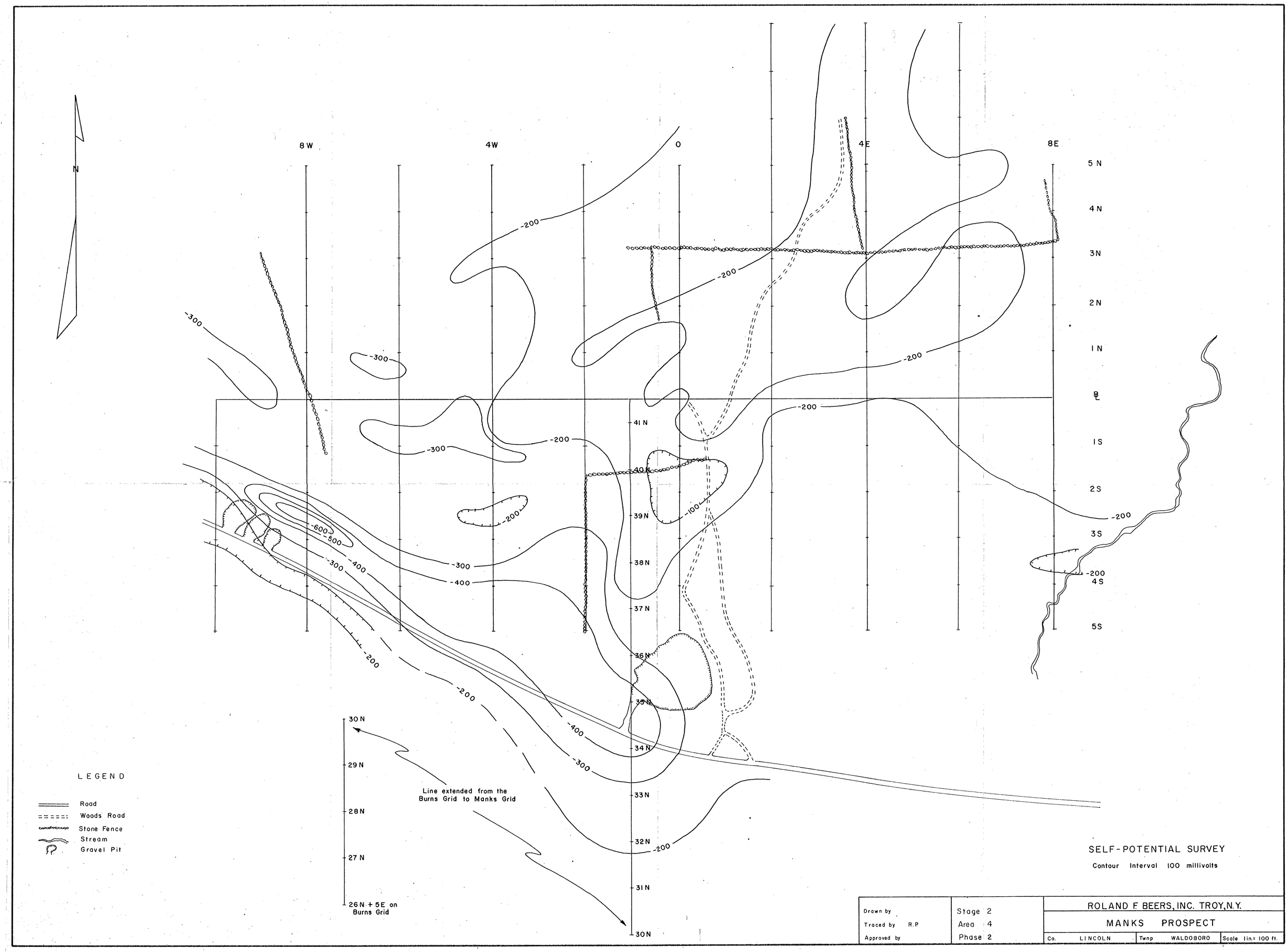
– on left & down

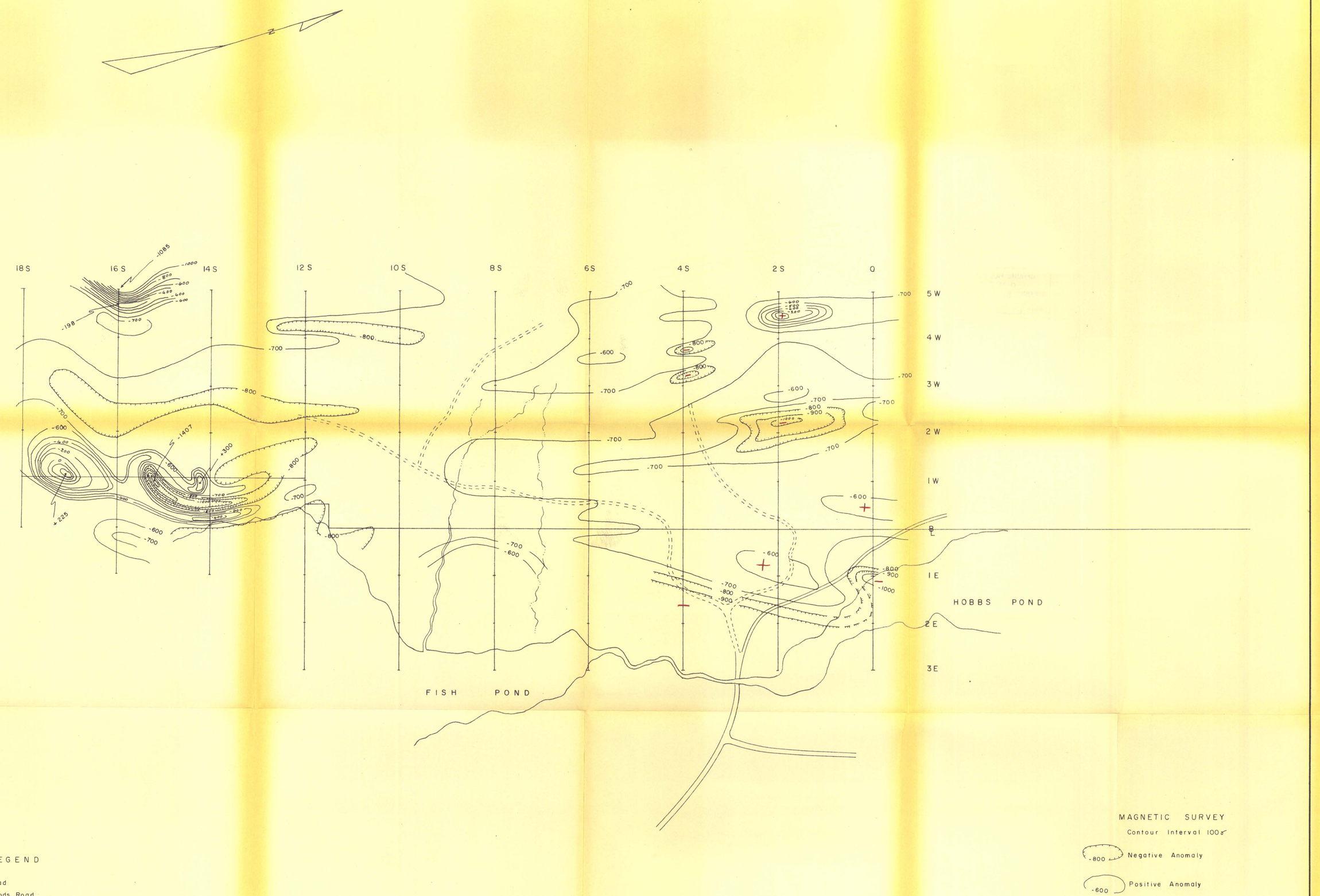
in phase

out-of-phase

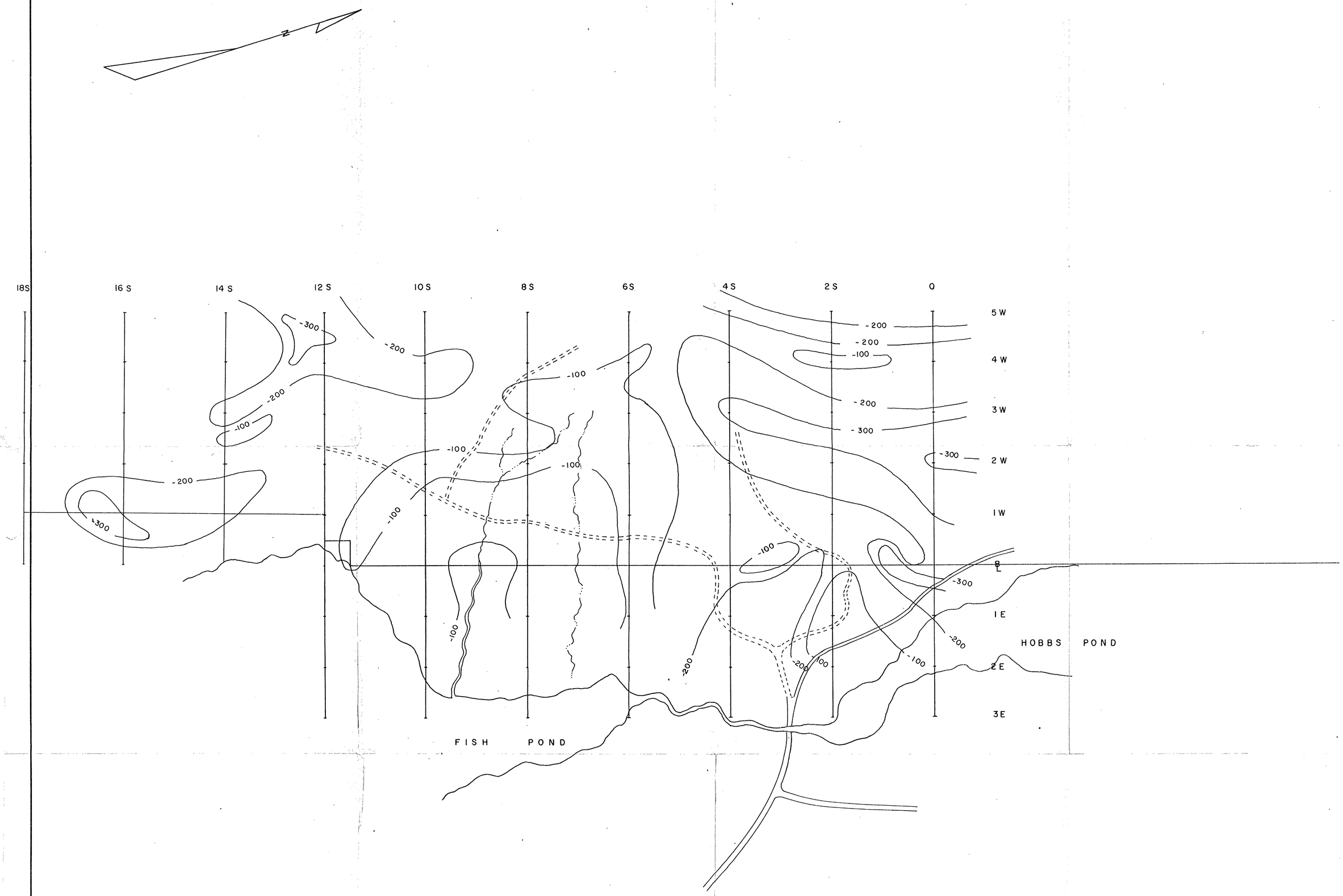
Maximum out-of-phase = -2
for entire map

Drawn by	Stage 2	ROLAND F BEERS, INC. TROY, N.Y.
Traced by R.P.	Area 4	MANKS PROSPECT
Approved by	Phase 2	Co. LINCOLN · Twnp WALDOBORO · Scale 1 in.= 100 ft.


N
8 W
4W
0
4E
8E
5 N
4 N
3N
2N
1 N
BL
1S
2S
3S
4S
5S
41 N
40 N
39N
38N
37 N
36N
35N
34N
33N
32N
31N
30N
-200
-300
-400
-500
-600
-100
30 N
29 N
28N
27 N
26N + 5E on
Burns Grid
Line extended from the
Burns Grid to Manks Grid
LEGEND
Road
Woods Road
Stone Fence
Stream
Gravel Pit
SELF-POTENTIAL SURVEY
Contour Interval 100 millivolts
Drawn by
Traced by R.P
Approved by
Stage 2
Area 4
Phase 2
ROLAND F. BEERS, INC. TROY, N.Y.
MANKS PROSPECT
Co. LINCOLN
Twnp WALDOBORO
Scale 1in.= 100 ft.



Drawn by	Stage 2	ROLAND F BEERS, INC. TROY, N.Y.
Traced by R. P.	Area 3	CRABTREE PROSPECT
Approved by	Phase 2	Co. KNOX · Twnp HOPE · Scale 1in.= 100 ft.



LEGEND

- Road
- Woods Road
- Stream
- Intermittent Stream

SELF-POTENTIAL SURVEY

Contour Interval 100 millivolts

Drawn by	Stage 2	ROLAND F. BEERS, INC. TROY, N.Y.
Traced by R.P.	Area 3	CRABTREE PROSPECT
Approved by	Phase 2	Co. KNOX · Twnp HOPE · Scale 1in.= 100 ft.

N
18S
16S
14S
12S
10S
8S
6S
4S
2S
5W
4W
3W
2W
W
1E
2E
3E
Area Covered with
Glacial Boulders
DH-1
30°
HOBBS POND
FISH POND
LEGEND
Strike & Dip
Strike of Foliation
Road
Woods Road
Tree Line
Stone Wall
Swamp
Stream
Intermittent Stream
Gravel Pit
Drill Hole
Basic Boulders
LITHOLOGY
Pegmatite
Quartz Biotite Schist
Gneiss
Basic Intrusives
GEOLOGY
Drawn by
Traced by R.P.
Approved by
Stage 2
Area 3
Phase 2
ROLAND F. BEERS, INC. TROY, N.Y.
CRABTREE PROSPECT
Co. KNOX
Twnp HOPE
Scale 1in.= 100 ft.