

**ENVIRONMENTAL INVESTIGATIONS  
AT  
THE PADUCAH GASEOUS DIFFUSION PLANT AND SURROUNDING AREA  
McCRACKEN COUNTY, KENTUCKY**

**VOLUME V  
FLOODPLAIN INVESTIGATION**

**PART B  
FLOODPLAIN MAPS**

Prepared by

Department of the Army  
Engineer District Nashville  
P.O. Box 1070  
Nashville, TN 37202-1070

Volume 5B of 5

May 1994  
Final Report

Prepared for

Department of Energy  
Oak Ridge Operations  
Paducah Site Office  
P.O. Box 1410  
Paducah, KY 42001

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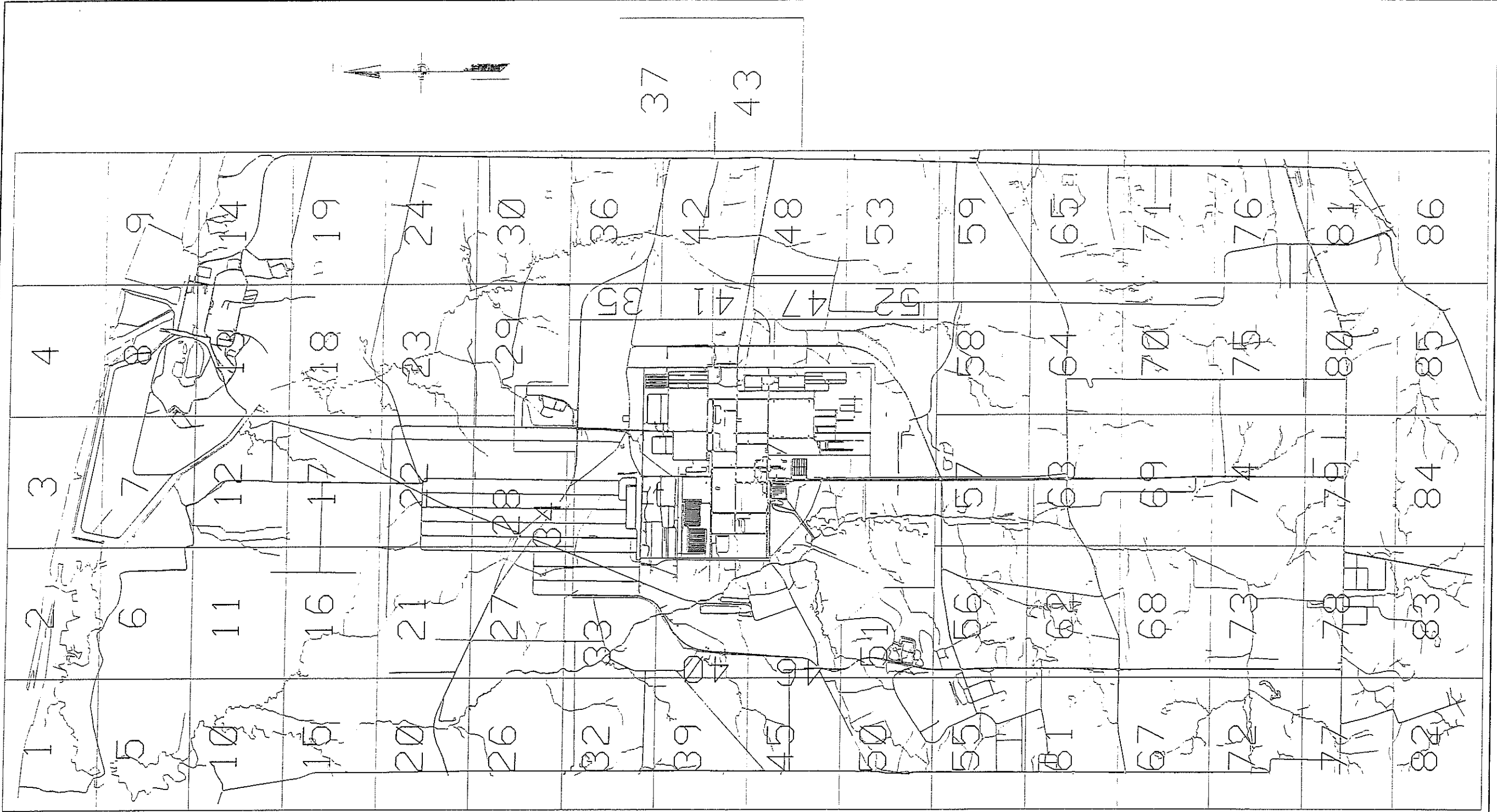
May 1994  
Final Report

Prepared for

Department of Energy  
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Paducah Site Office  
P.O. Box 1410  
Paducah, KY 42001

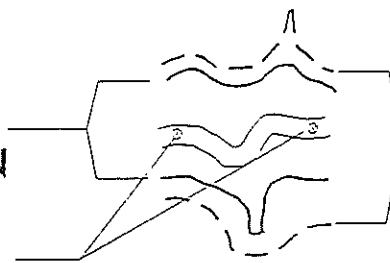
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FLOODPLAIN MAPS  
OUTSIDE OF PLANT AREA



100 YEAR  
FLOODPLAIN

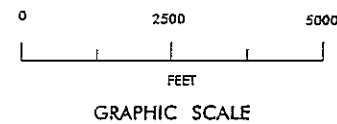
RIVERMILES



LEGEND

500 YEAR  
FLOODPLAIN

INDEX



STUDY AREA OUTSIDE OF PLANT  
FLOODPLAIN MAPS  
**INDEX AND LEGEND**  
PGDP FLOODPLAIN INVESTIGATION

ENVIRONMENTAL INVESTIGATIONS  
AT  
THE PADUCAH GASEOUS DIFFUSION PLANT  
AND McCRAKEN COUNTY, KENTUCKY

Prepared for

DEPARTMENT OF ENERGY  
OAK RIDGE OPERATIONS  
PADUCAH SITE OFFICE



OHIO RIVER

FLOODED DENSE TREES

ENTIRE AREA IS IN FLOODPLAIN

OUTSIDE 1

PLATE 100111  
N  
ENGINEERING CORPORATION  
COLUMBUS, OHIO



OHIO RIVER

FLOODED DENSE TREES

FLOODED DENSE TREES

FLOODED DENSE TREES

FLOODED DENSE TREES

ENTIRE AREA IS IN FLOODPLAIN

BIG BAYOU CREEK

MOUTH LITTLE BAYOU

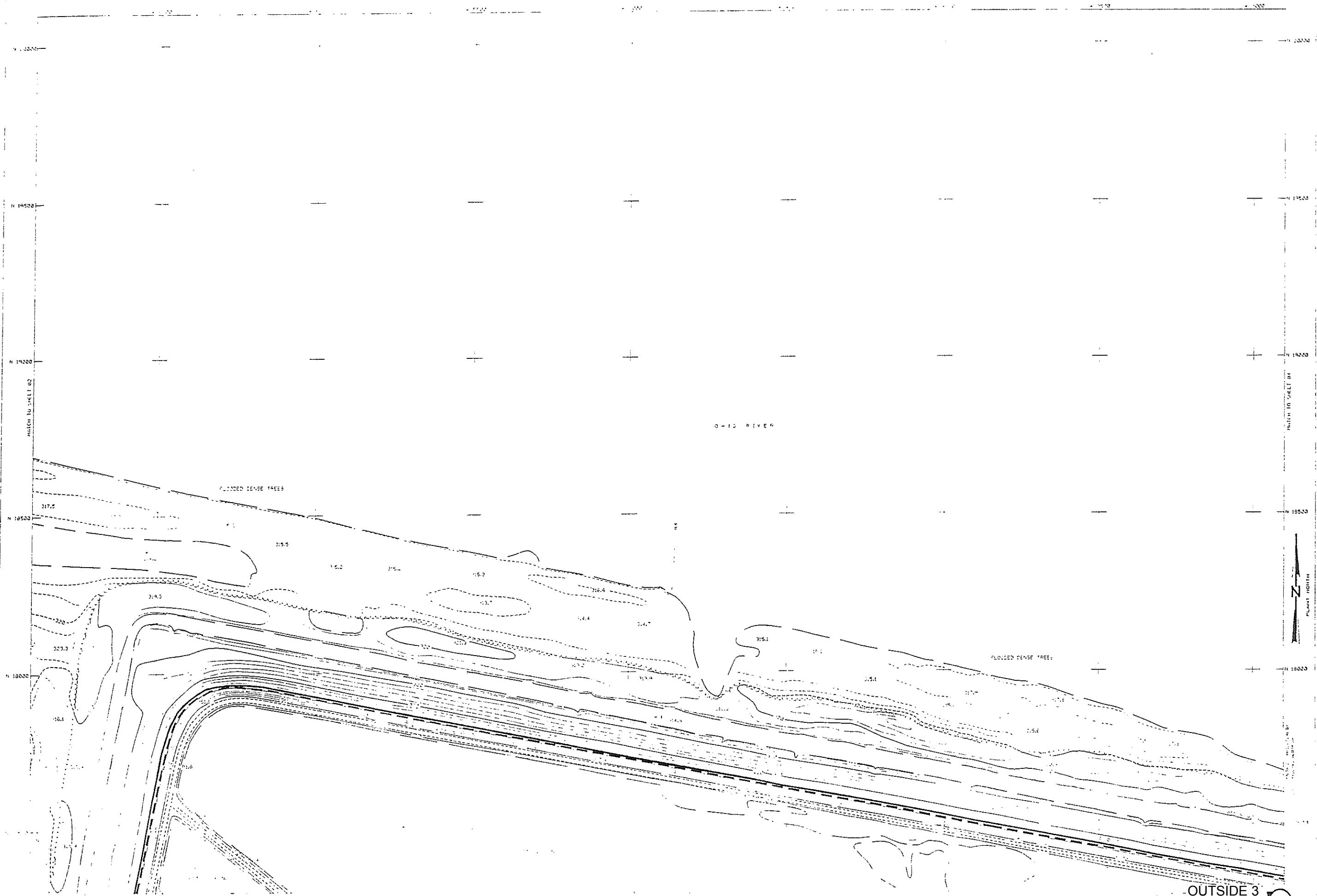
FLOODED DENSE TREES

OUTSIDE 2

MATCH TO SHEET 03

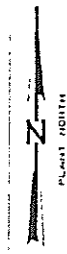
PL. DATE HEIGHT

ENCLOSURE DATE ELEVATION BY  
GENERAL RECORDING DIVISION



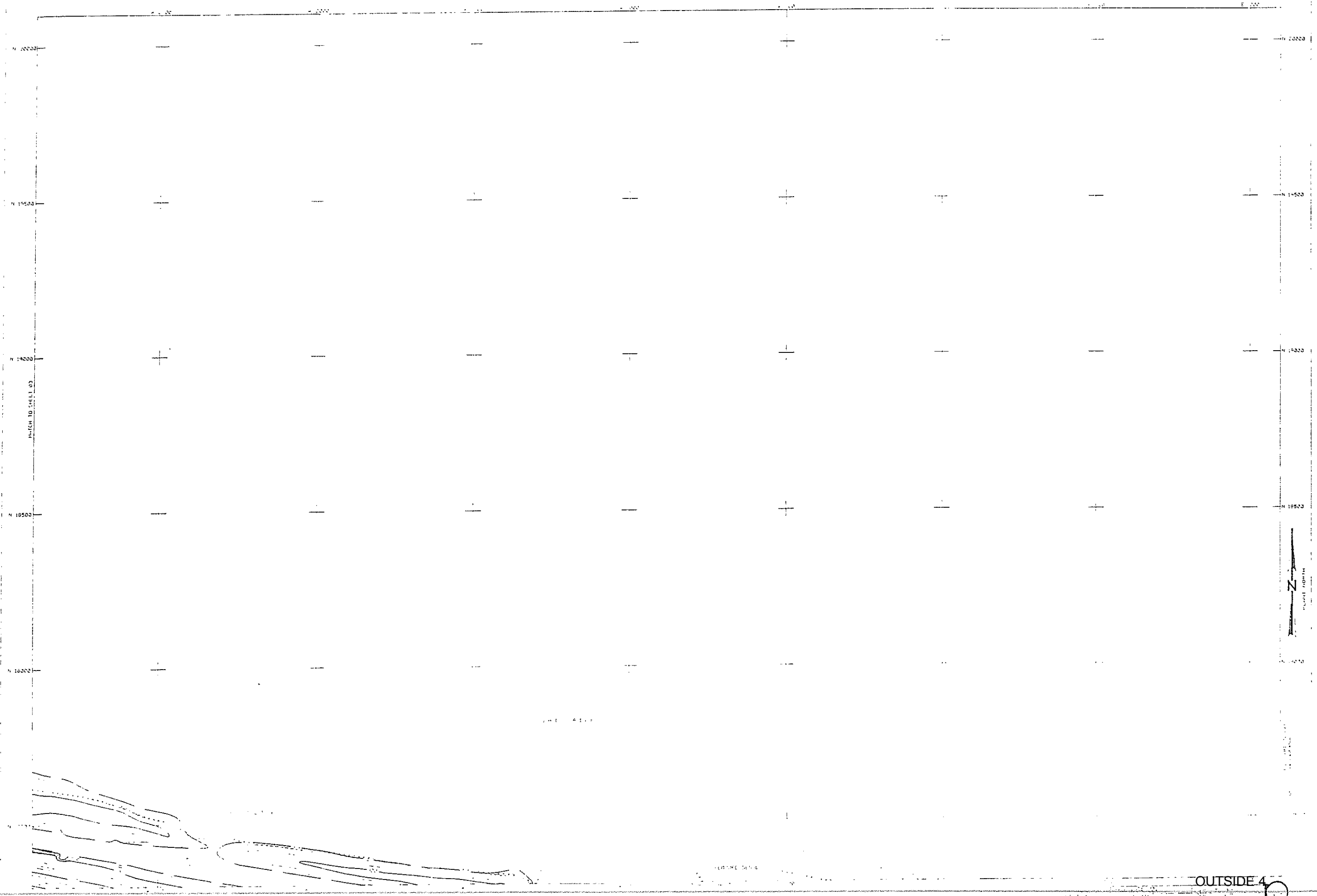
WESTING TO SHEET 02

EASTING TO SHEET 04

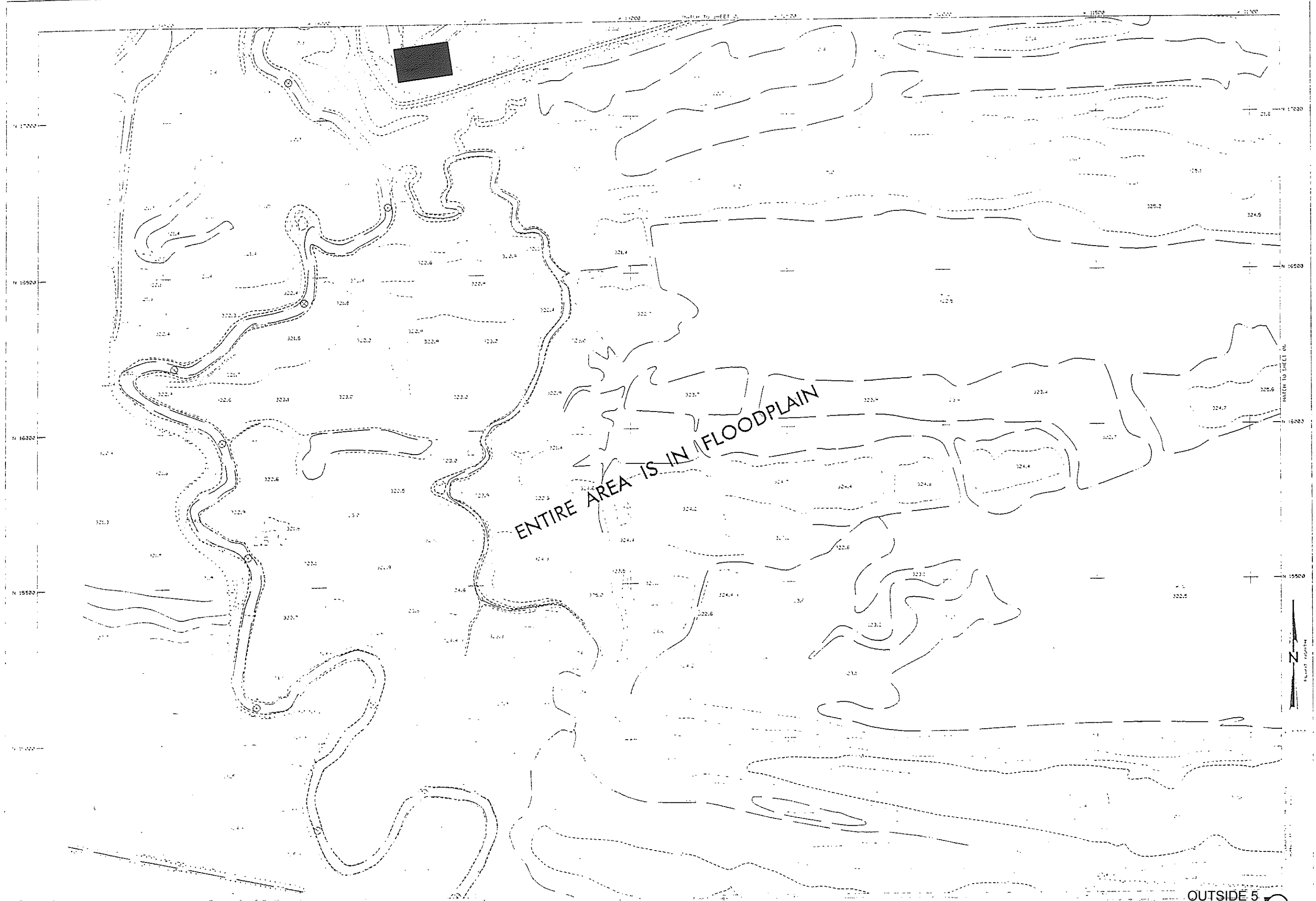


OUTSIDE 3





OUTSIDE 4



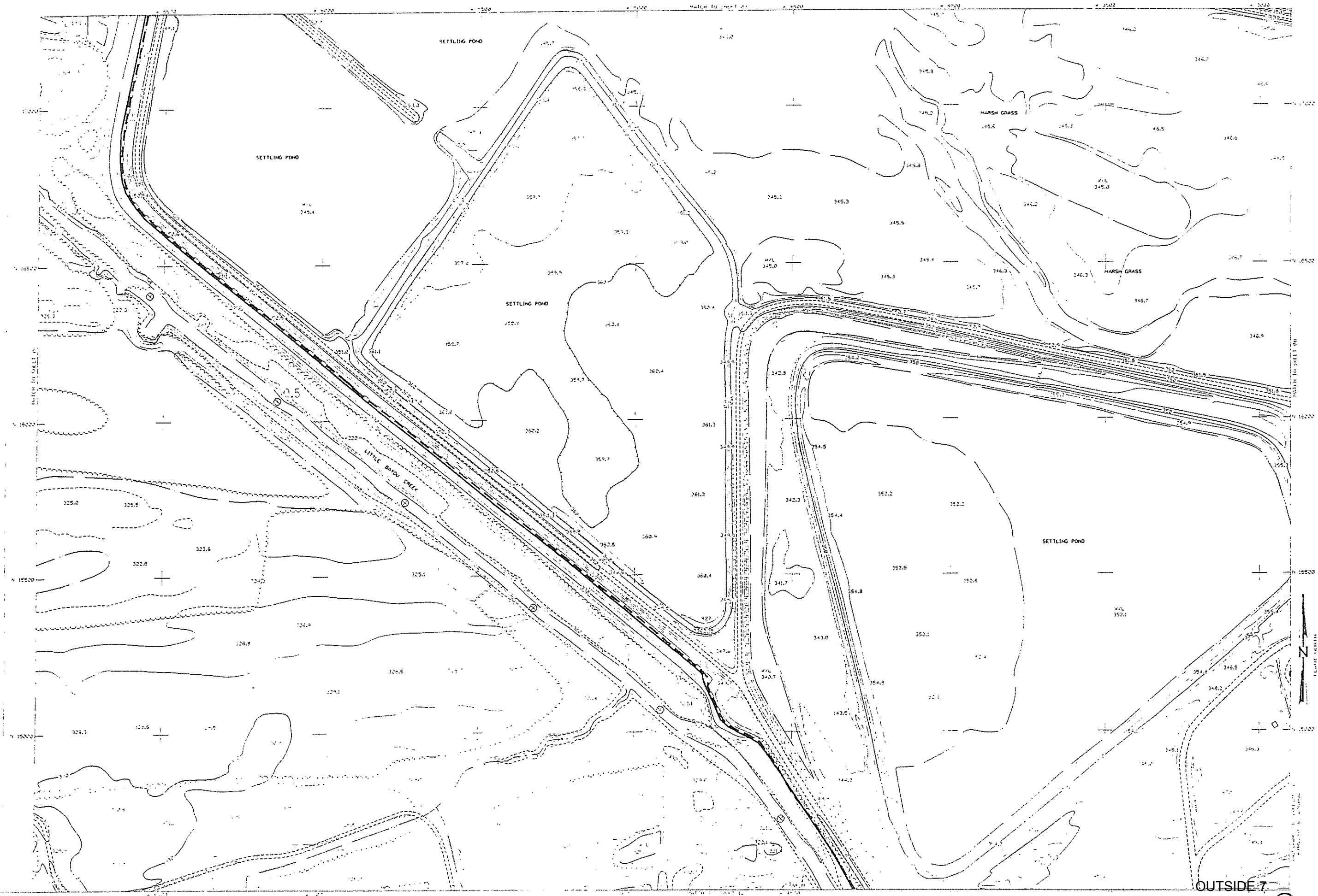
ENTIRE AREA IS IN FLOODPLAIN

OUTSIDE 5



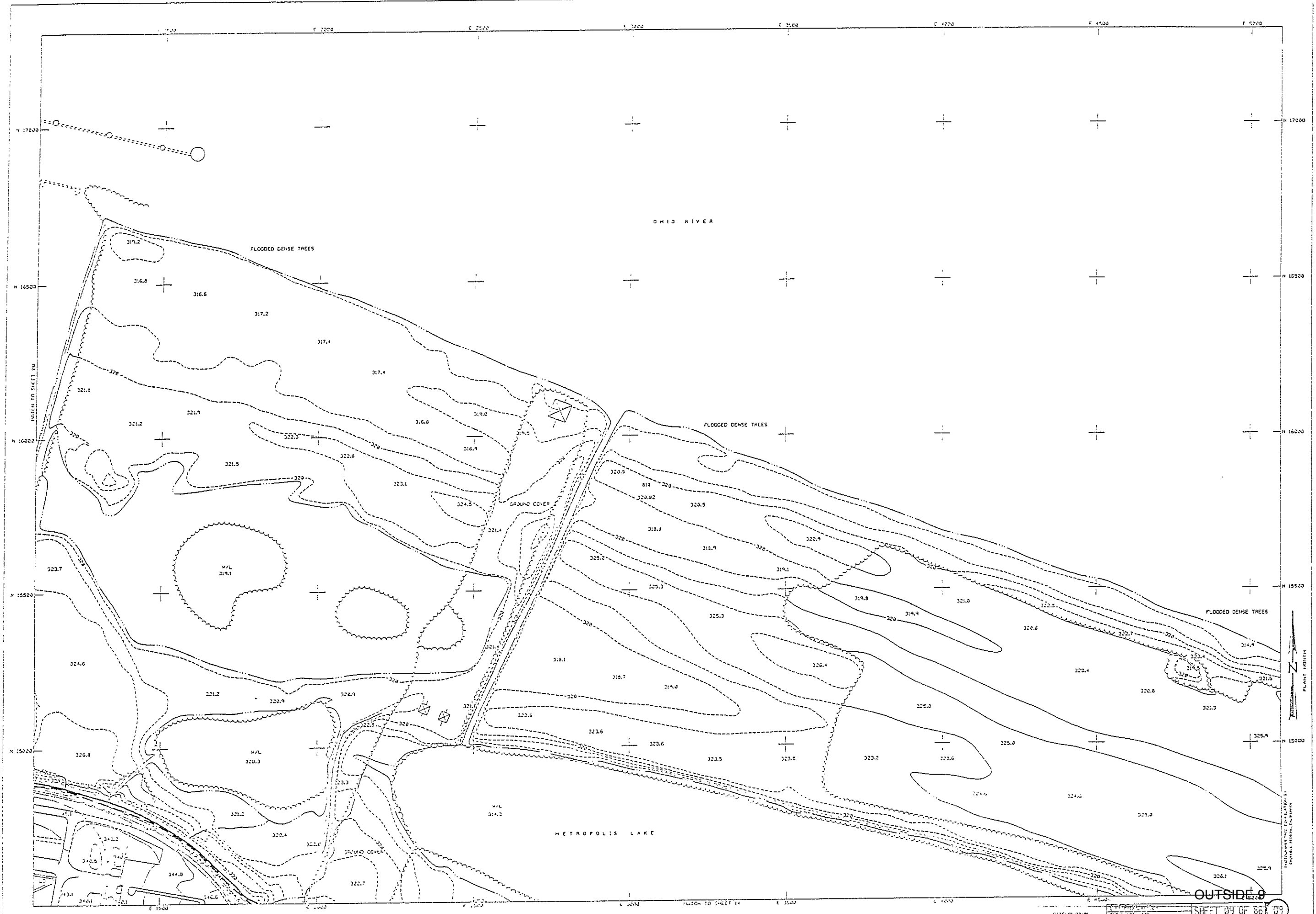
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OUTSIDE 6



OUTSIDE 7

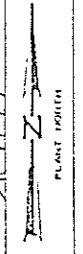




NOTCH TO SHEET 08

OHIO RIVER

METROPOLIS LAKE

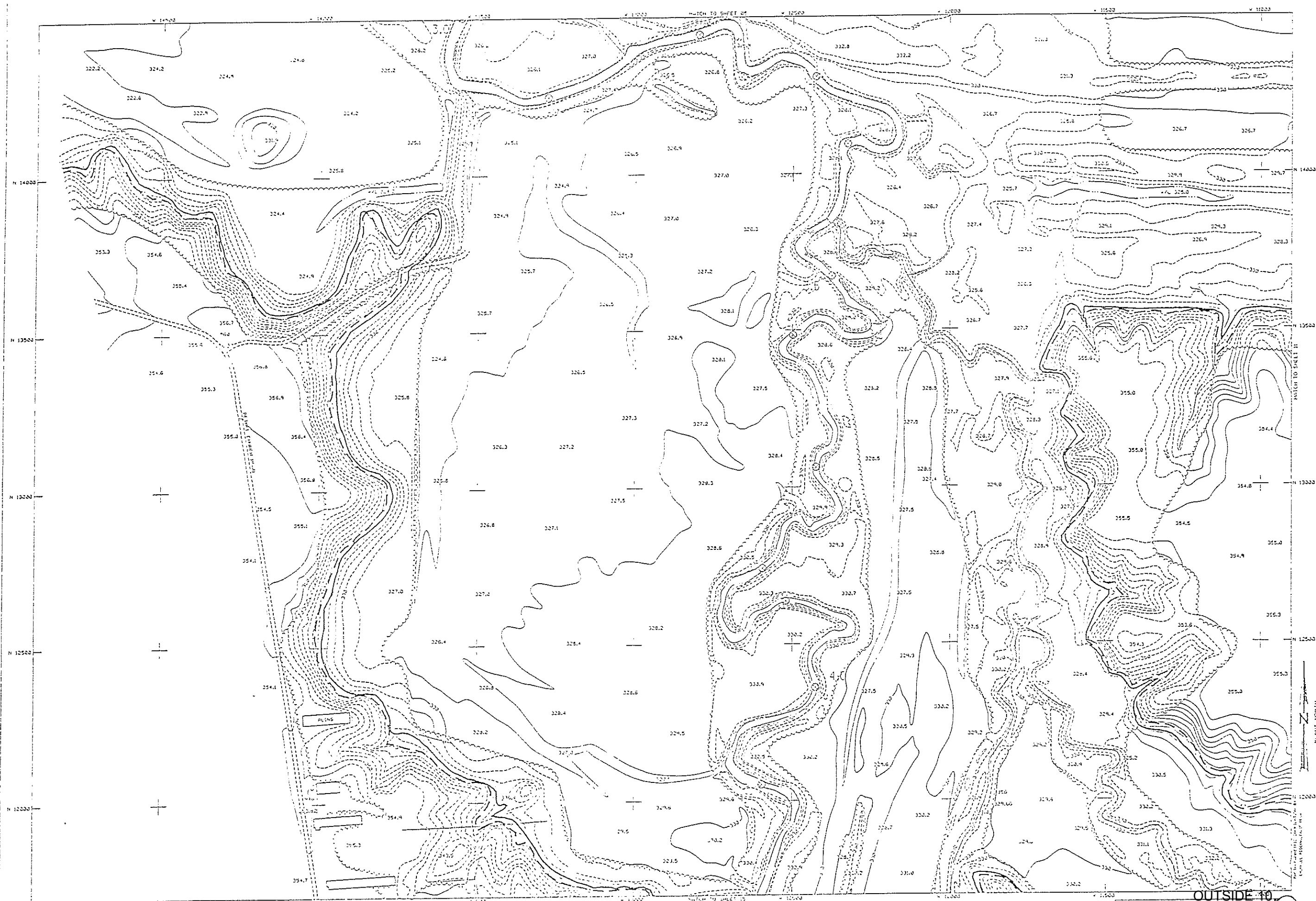


OUTSIDE 9

SHEET 09 OF 66 09

DATE: 01-03-91

PROPOSED  
CONCRETE  
FOUNDATION



OUTSIDE 10  
SHEET 10 OF 25

Vertical Datum  
North Arrow  
Scale 1:50,000  
Horizontal Datum

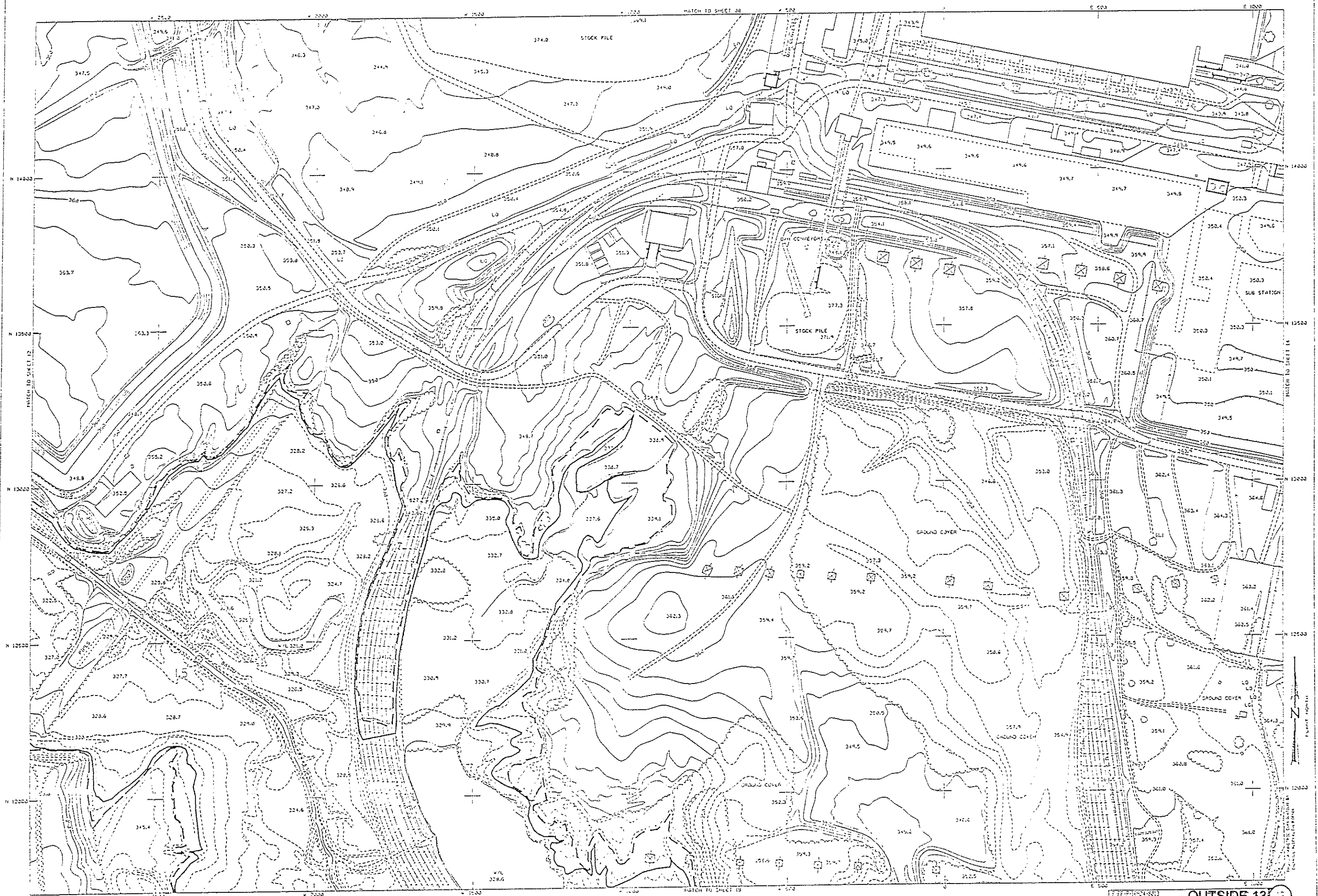


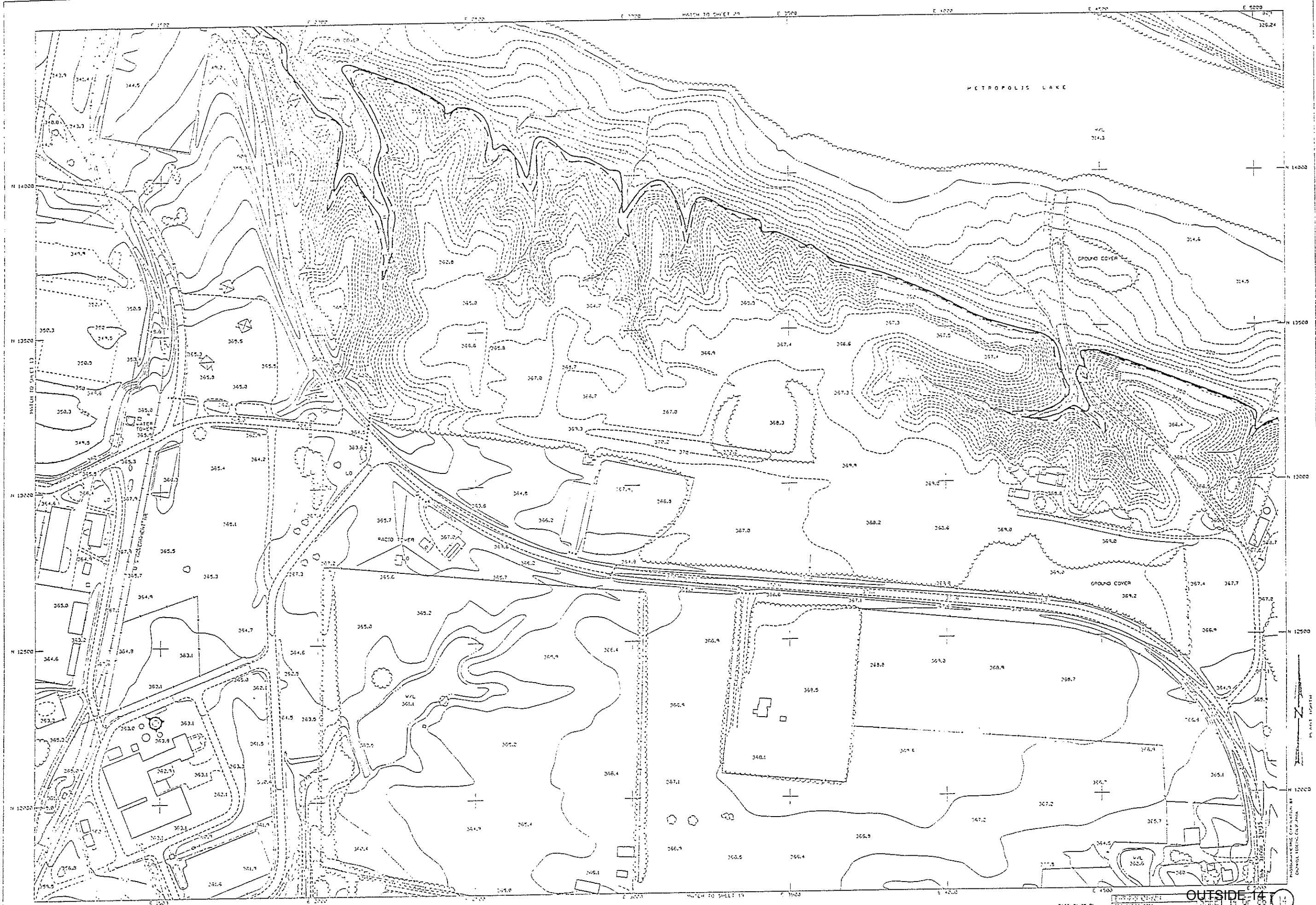
OUTSIDE 11





OUTSIDE 12





OUTSIDE-14  
SHEET 14 OF 16

PROVIDING ENGINEERING CONSULTING AND SURVEYING SERVICES  
SINCE 1945  
GEORGE B. STUBBS & COMPANY, INC.  
1000 AVENUE OF THE STARS, SUITE 1000  
ARLINGTON, VIRGINIA 22202-4392  
TEL: 703/261-1300  
FAX: 703/261-1301  
WWW.GBS&C.COM

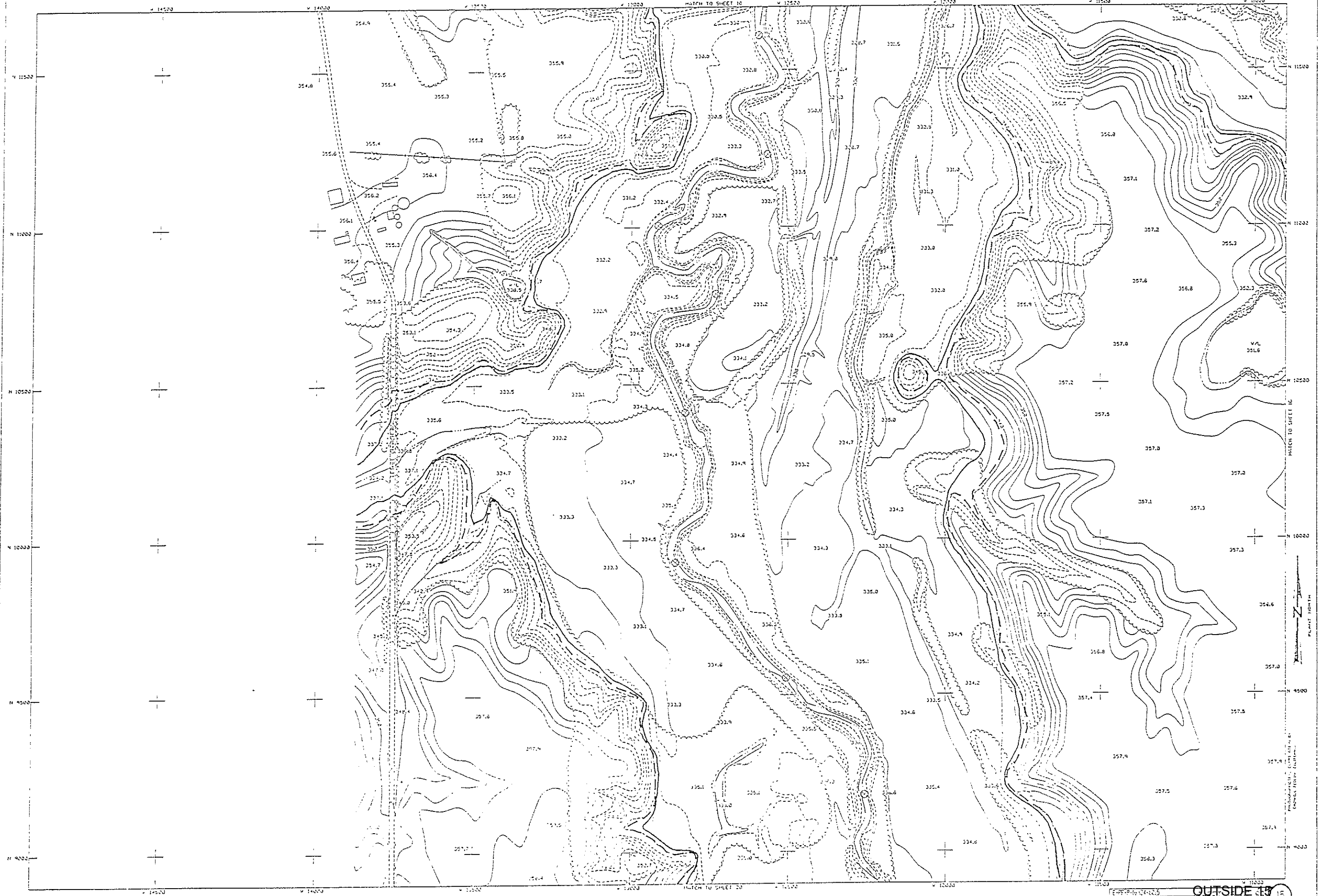
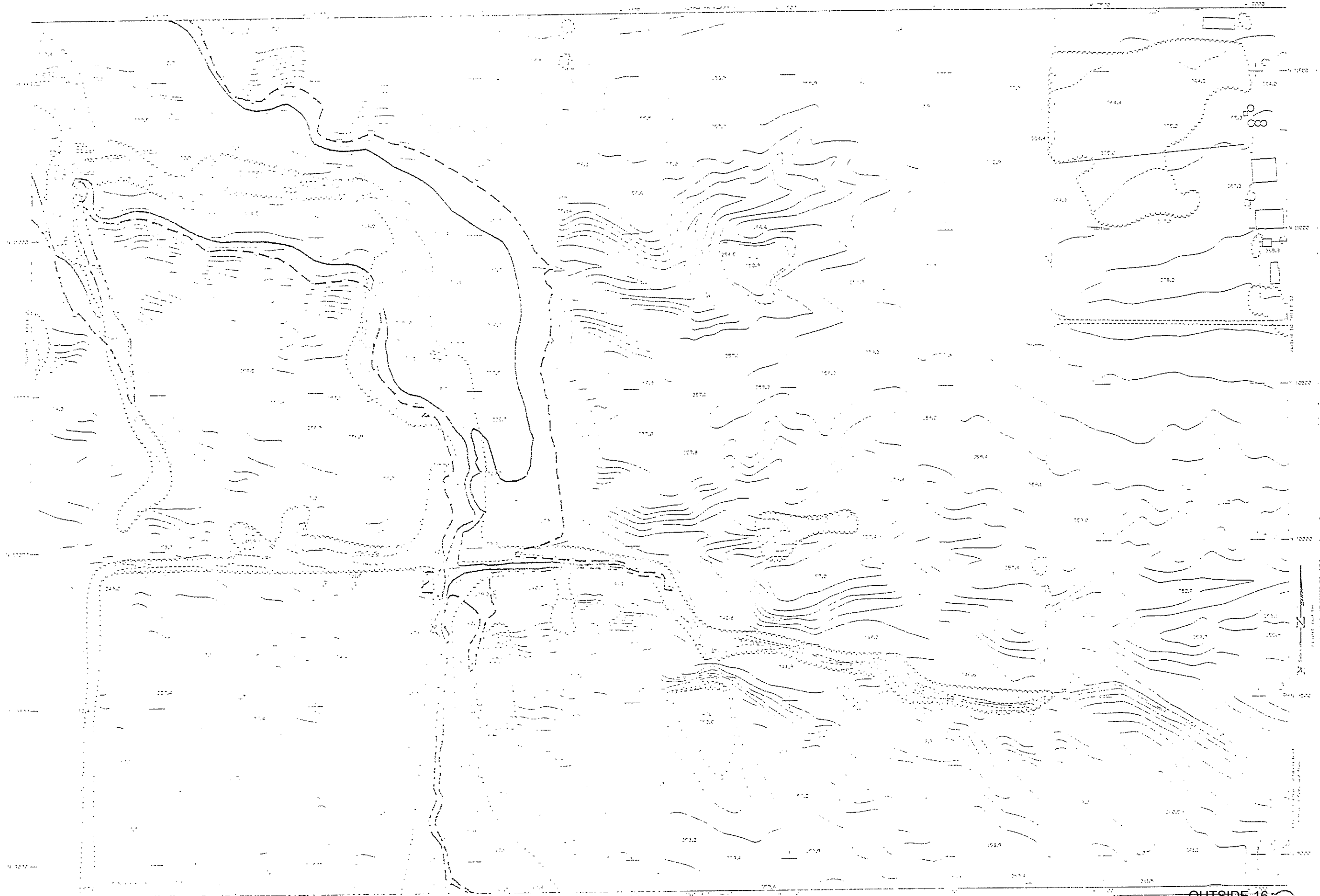


PLATE NORTH  
PROBABLE SOURCE: U.S. GEOLOGICAL SURVEY  
 GEORGE W. KURTZ, CHIEF  
 PHOENIX FIELD OFFICE

OUTSIDE 19  
 SHEET 10 OF 15

GATE 11-14-52

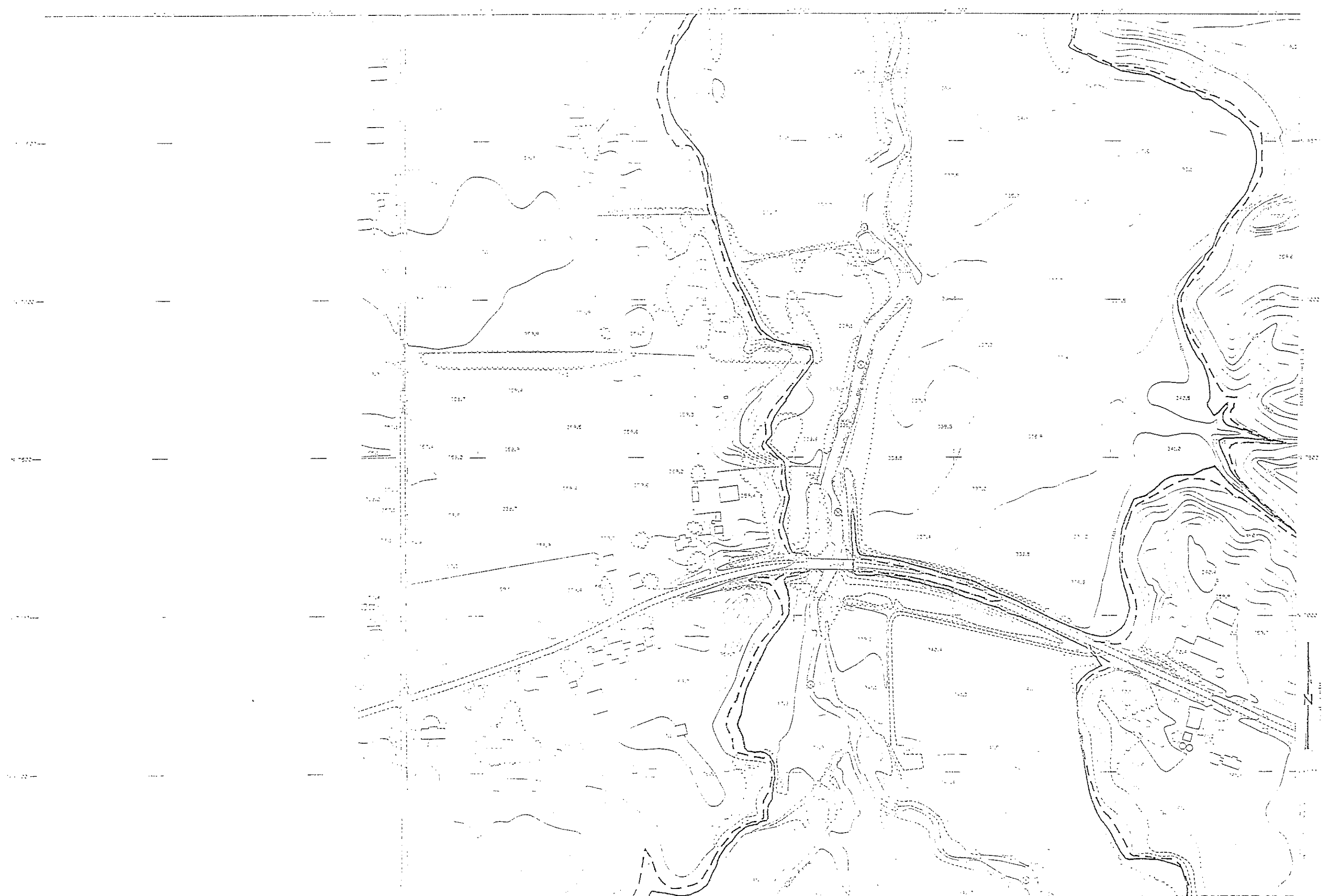




OUTSIDE 17





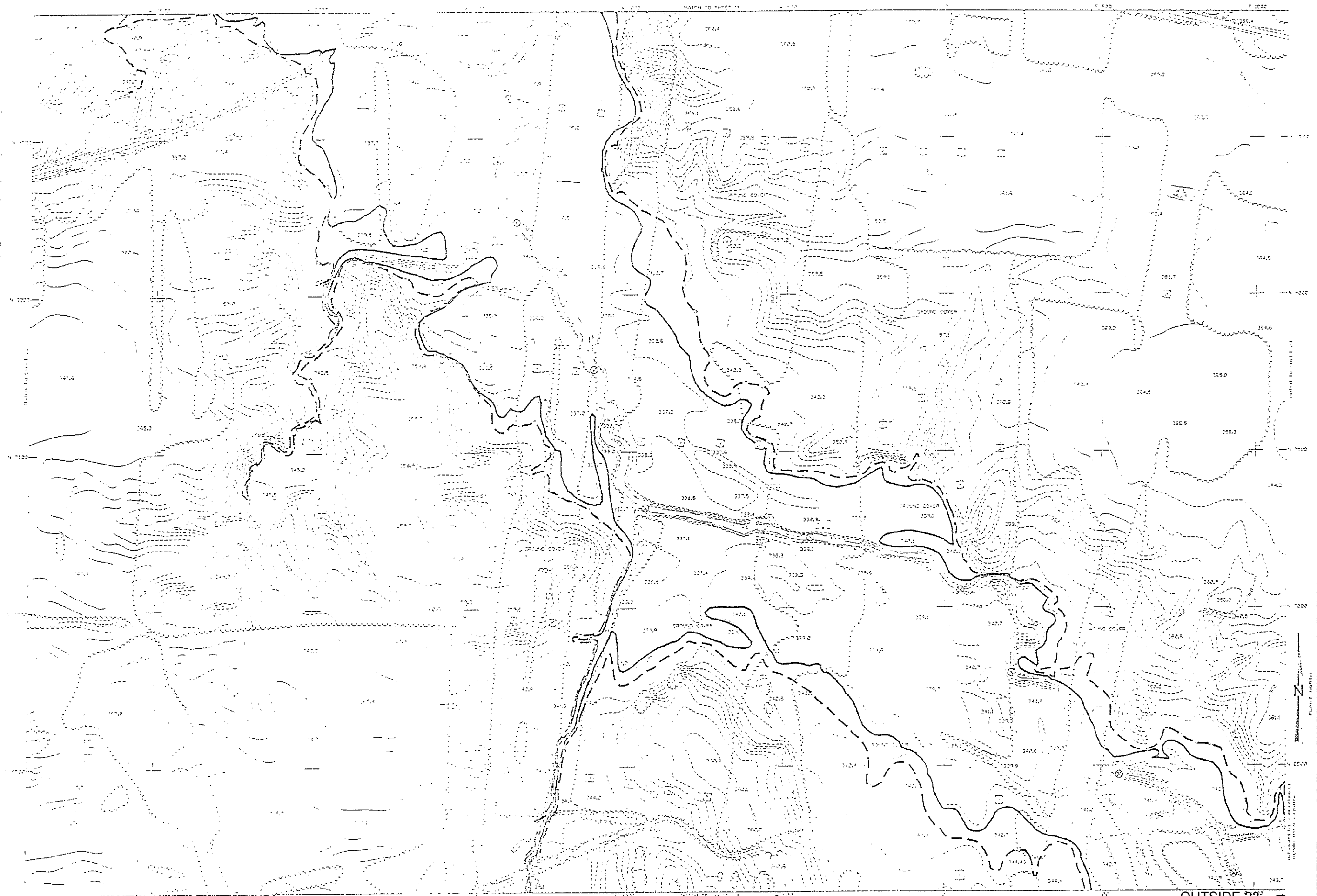


OUTSIDE 20

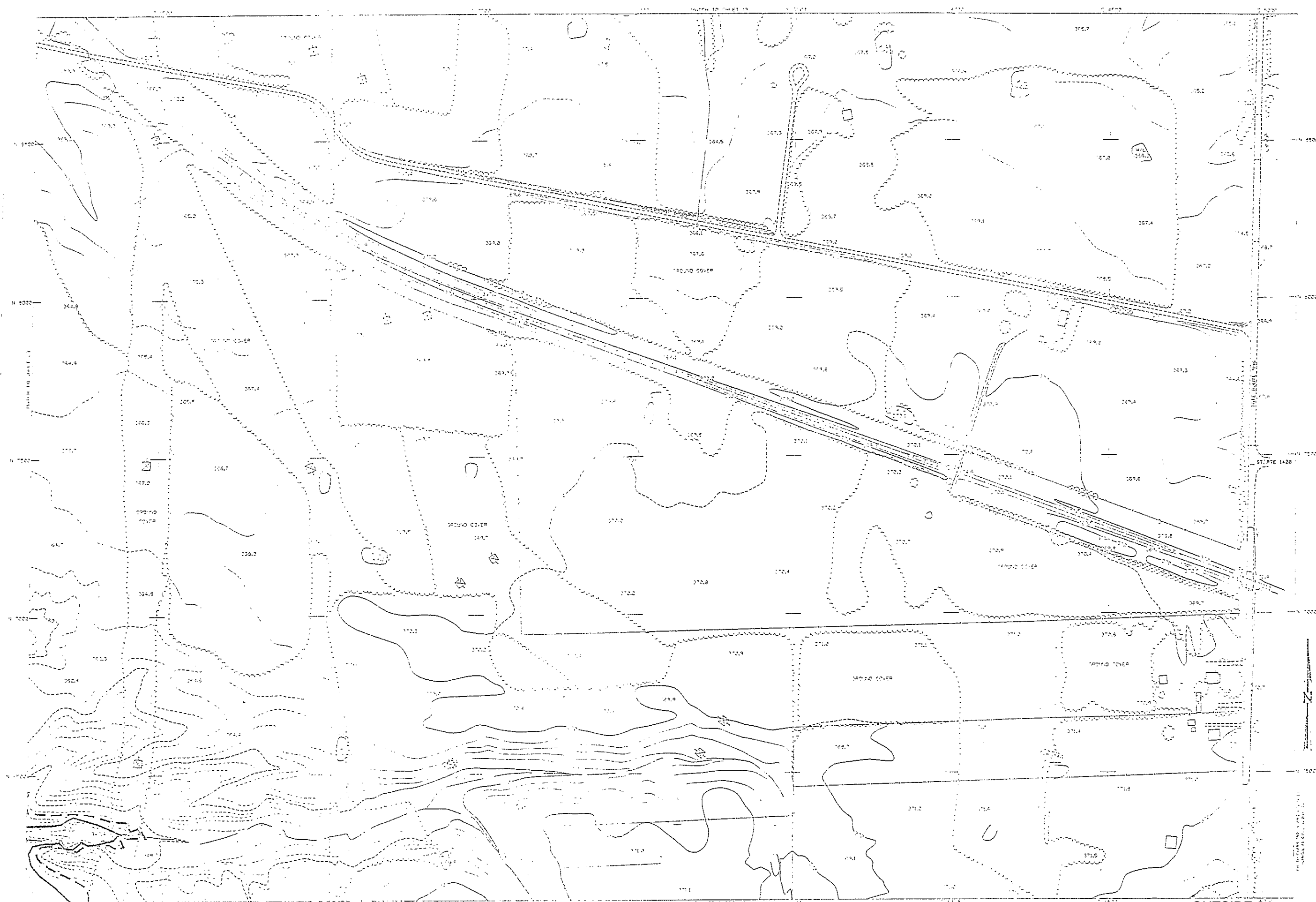




OUTSIDE 21



OUTSIDE 23



OUTSIDE 24



OUTSIDE 26

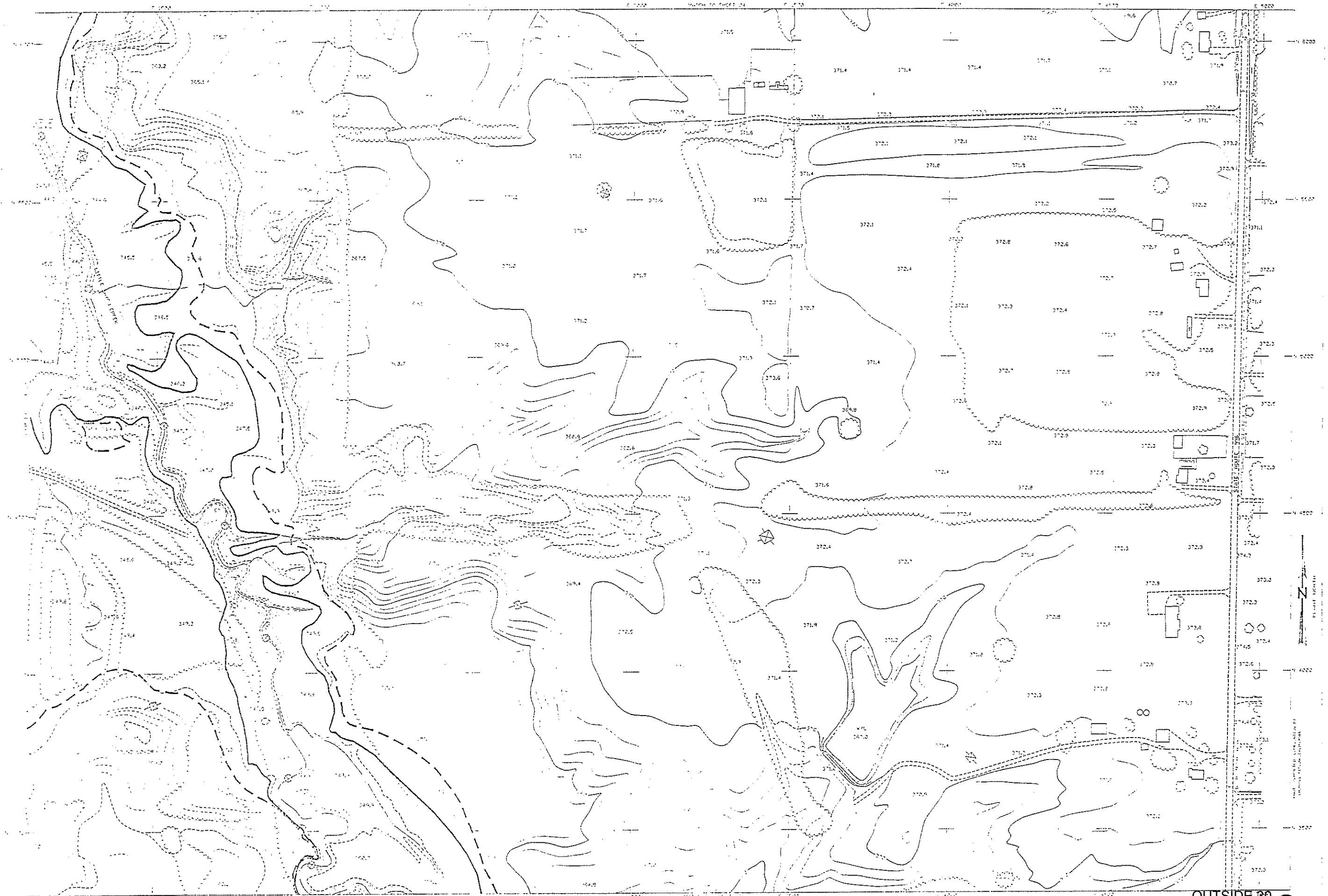


OUTSIDE 27



MAP 30

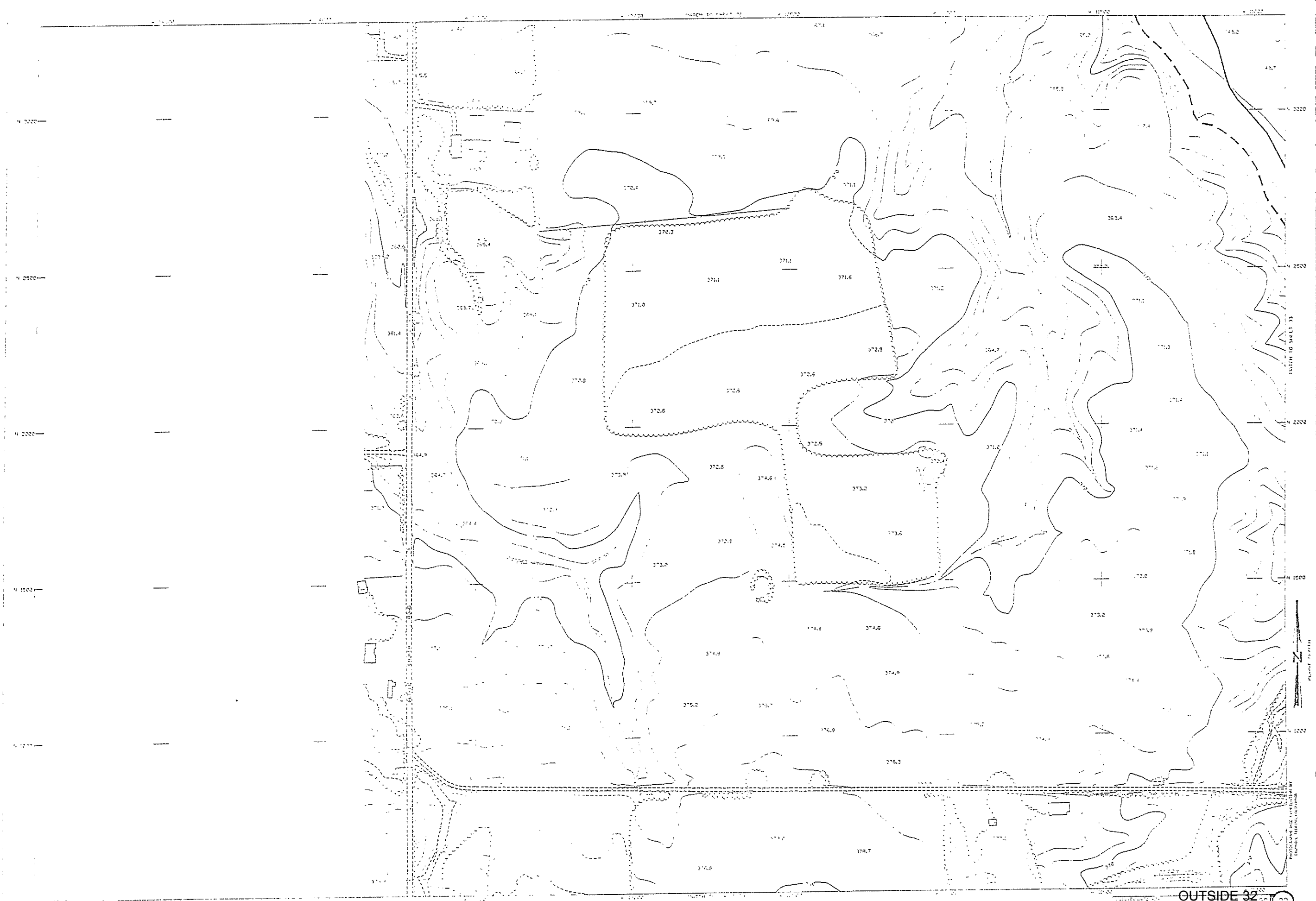
OUTSIDE 29



MAP 36

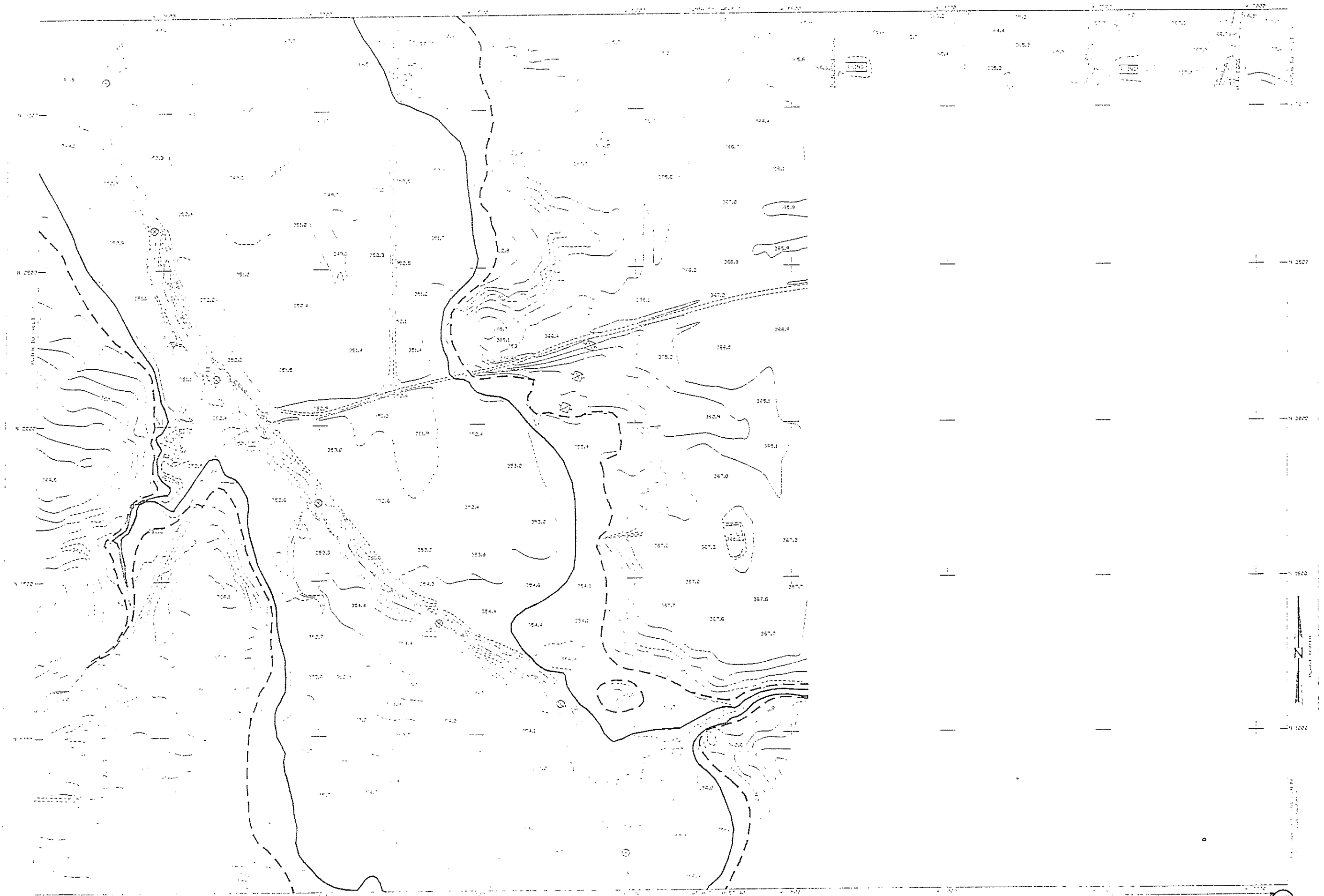
OUTSIDE 30  
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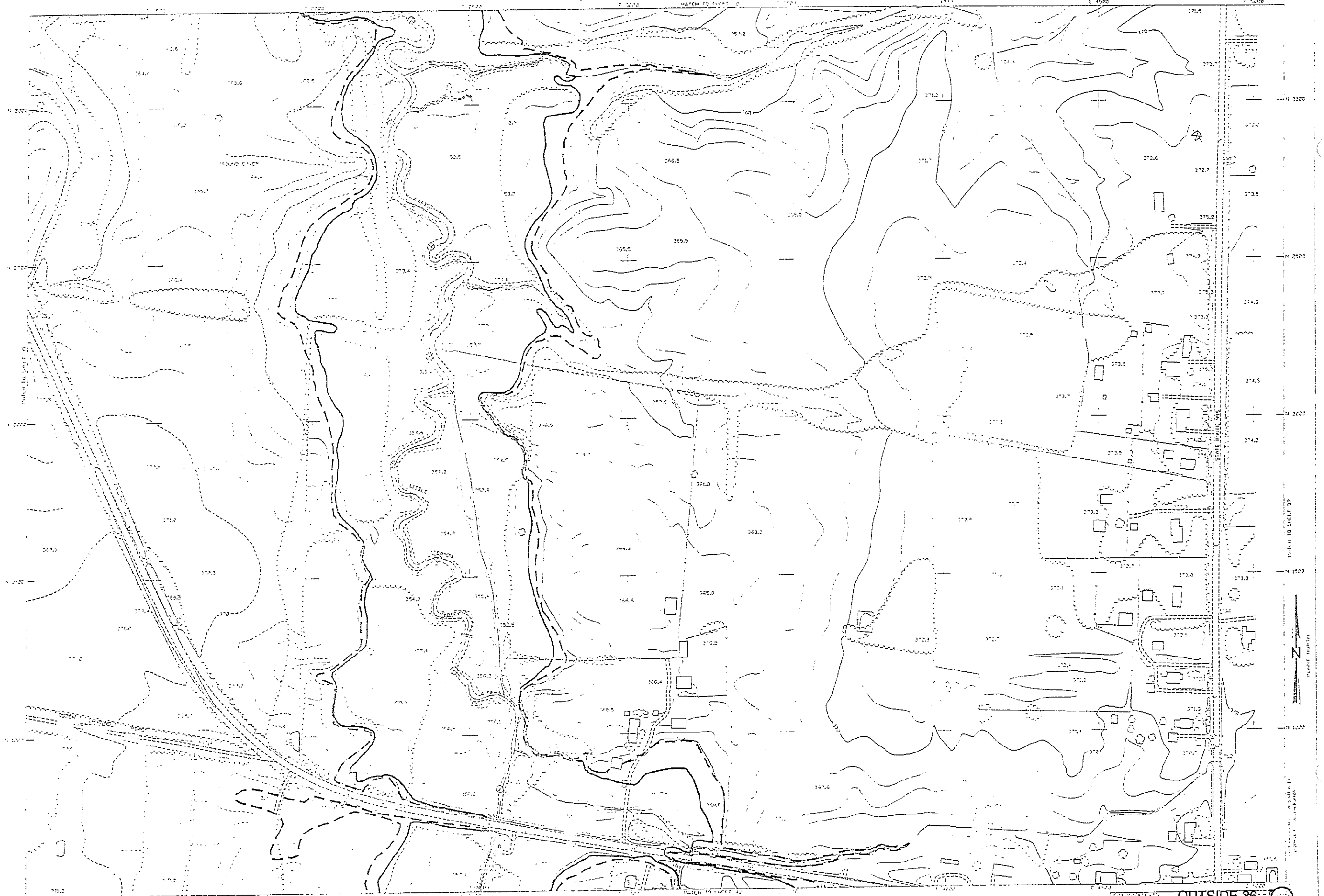
OUTSIDE 32





OUTSIDE 33

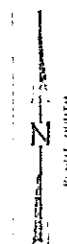
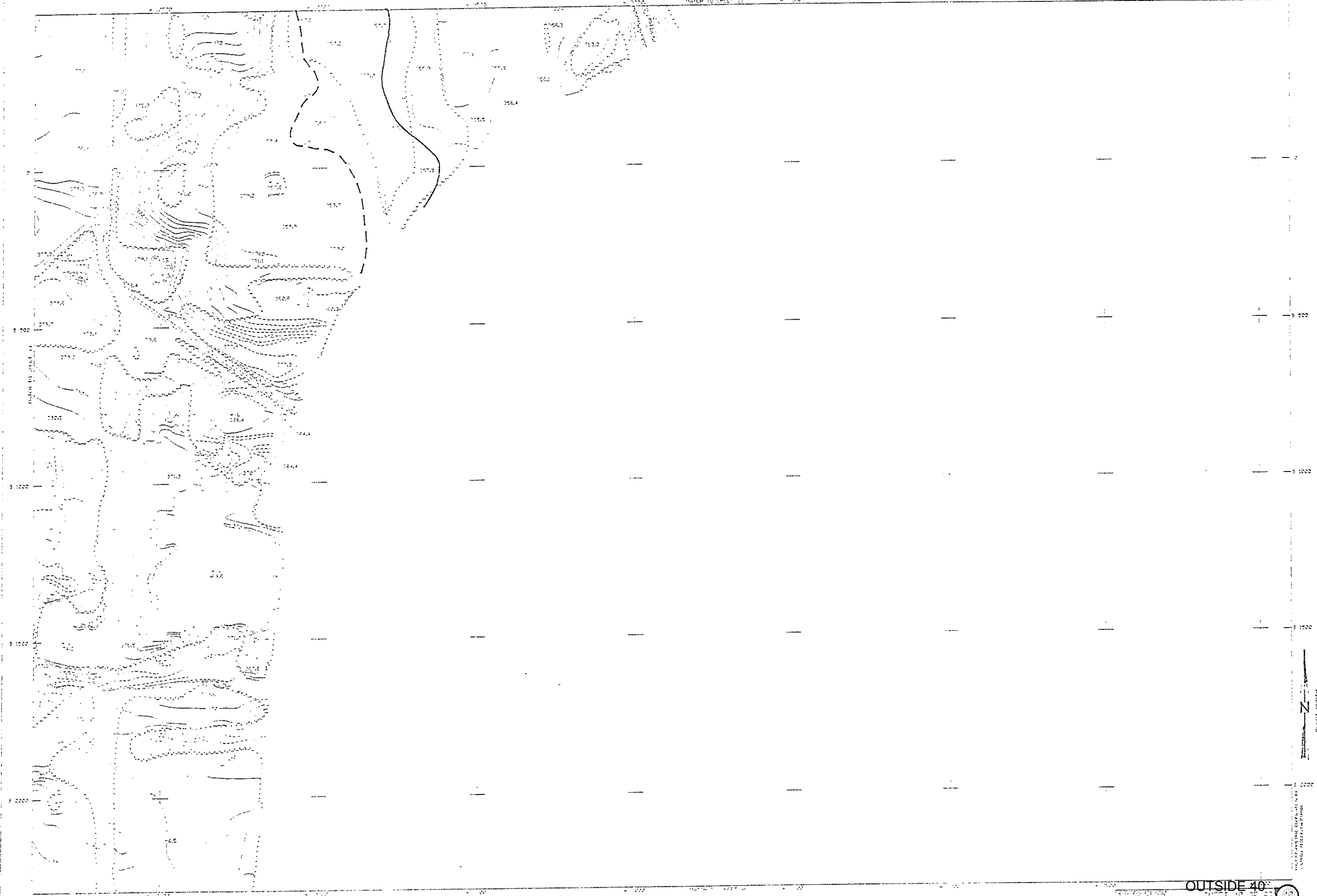
33



OUTSIDE 36

MAP  
1 42

26



PROFESSIONAL ENGINEER  
 COUNTY REGISTRATION BOARD

OUTSIDE 40  
 SHEET 40 OF 60

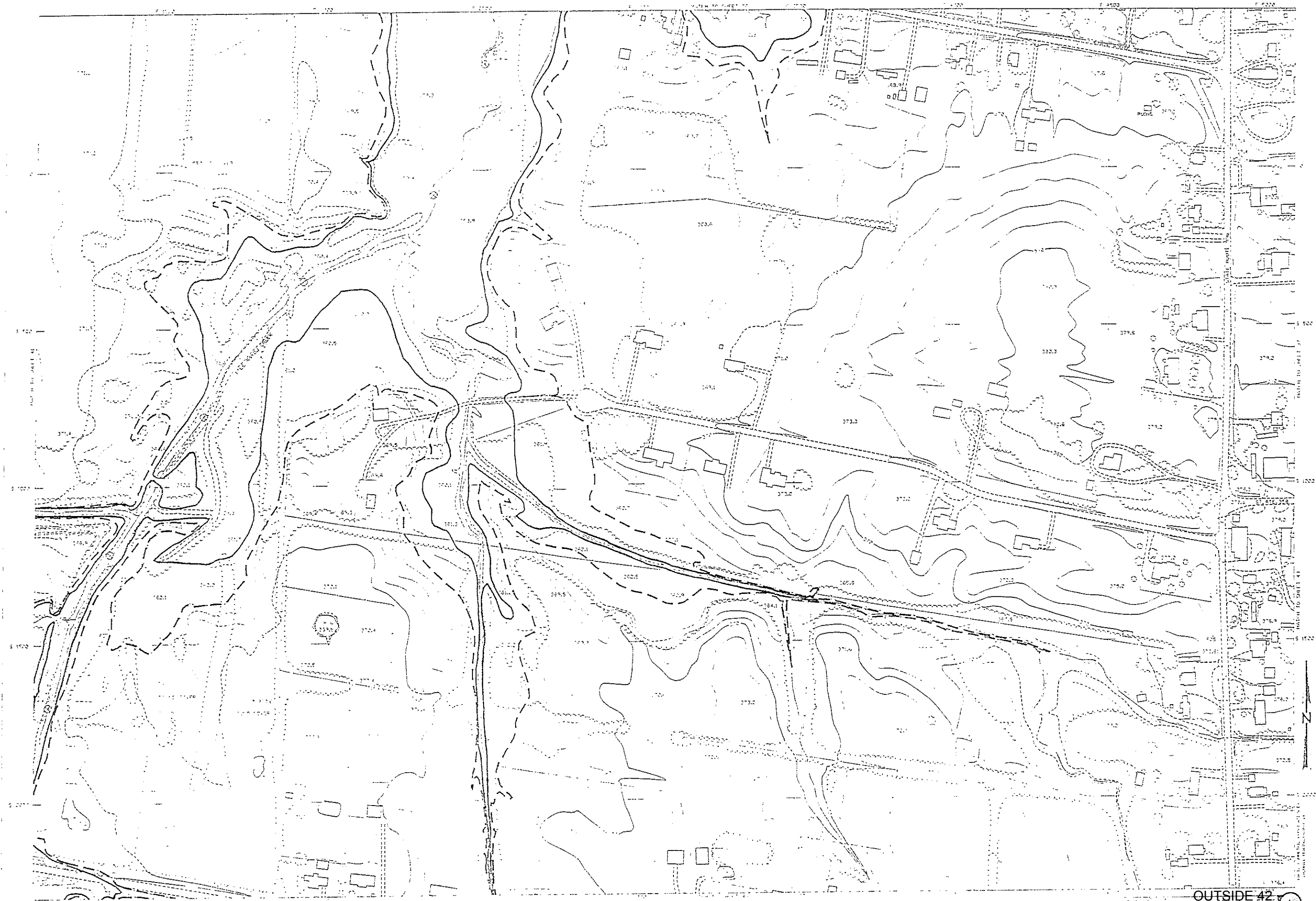
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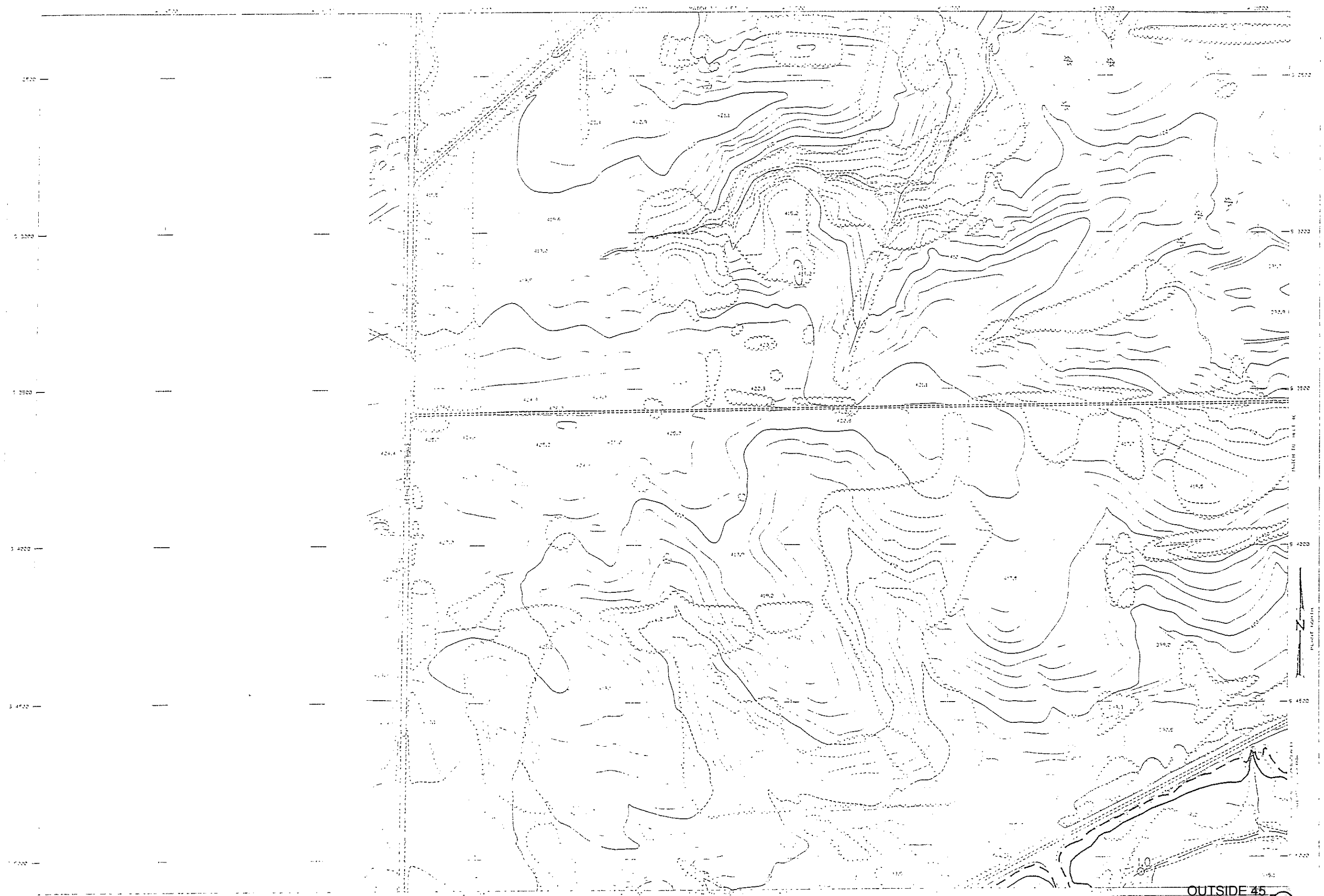
OUTSIDE 41

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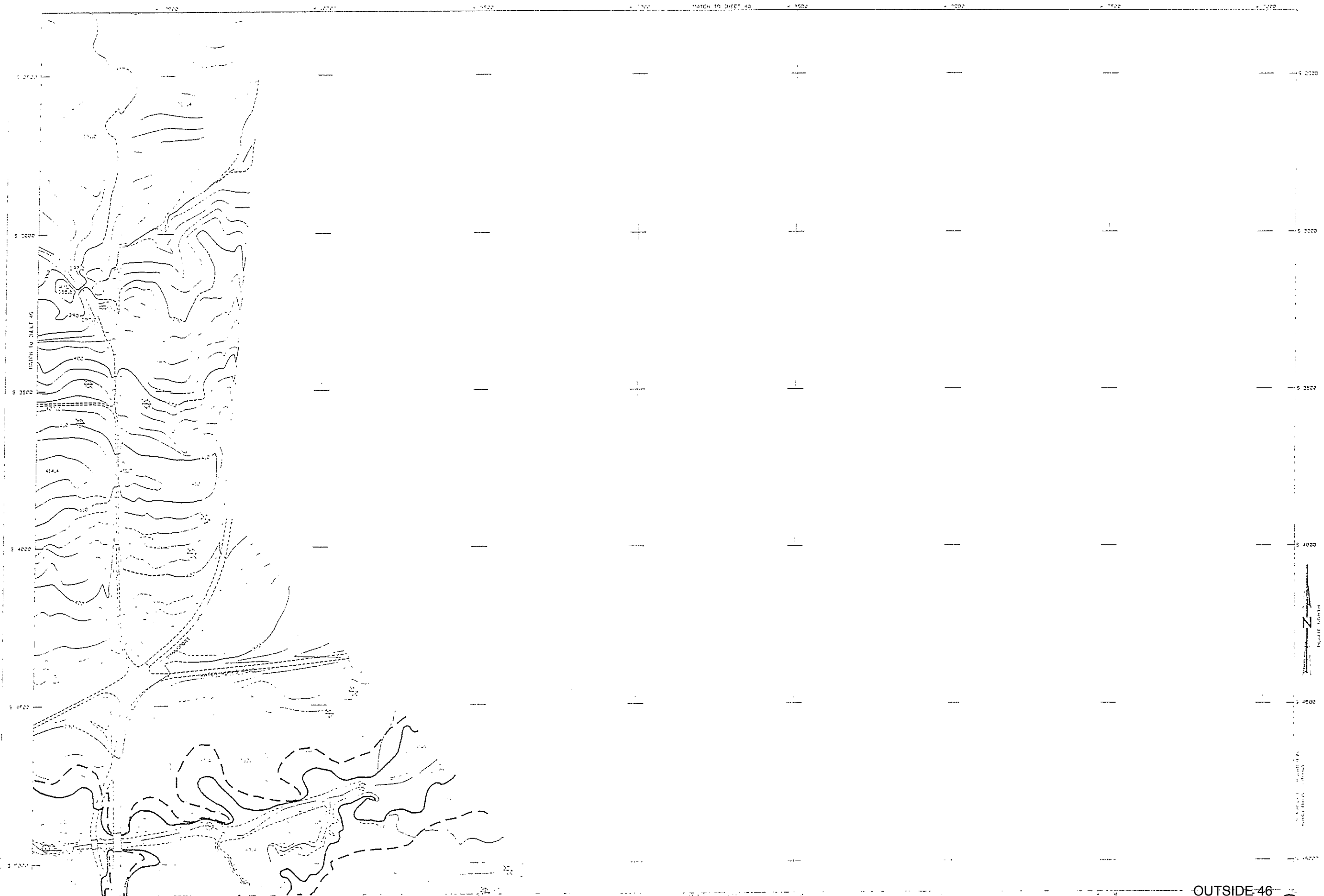


OUTSIDE 42



OUTSIDE 45

(45)



3 2700  
3 2800  
3 2900  
3 3000  
3 3100  
3 3200  
3 3300  
3 3400  
3 3500  
3 3600  
3 3700  
3 3800  
3 3900  
3 4000  
3 4100  
3 4200  
3 4300  
3 4400  
3 4500  
3 4600  
3 4700  
3 4800  
3 4900  
3 5000

3 2700  
3 2800  
3 2900  
3 3000  
3 3100  
3 3200  
3 3300  
3 3400  
3 3500  
3 3600  
3 3700  
3 3800  
3 3900  
3 4000  
3 4100  
3 4200  
3 4300  
3 4400  
3 4500  
3 4600  
3 4700  
3 4800  
3 4900  
3 5000

OUTSIDE 46

46



S 2000

S 3000

S 3500

S 4000

S 4500

S 4000

S 2500

S 3000

S 3500

S 4000

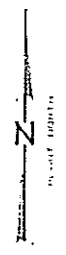
S 4500

S 5000

OUTSIDE 47  
SHEET 27 OF 56

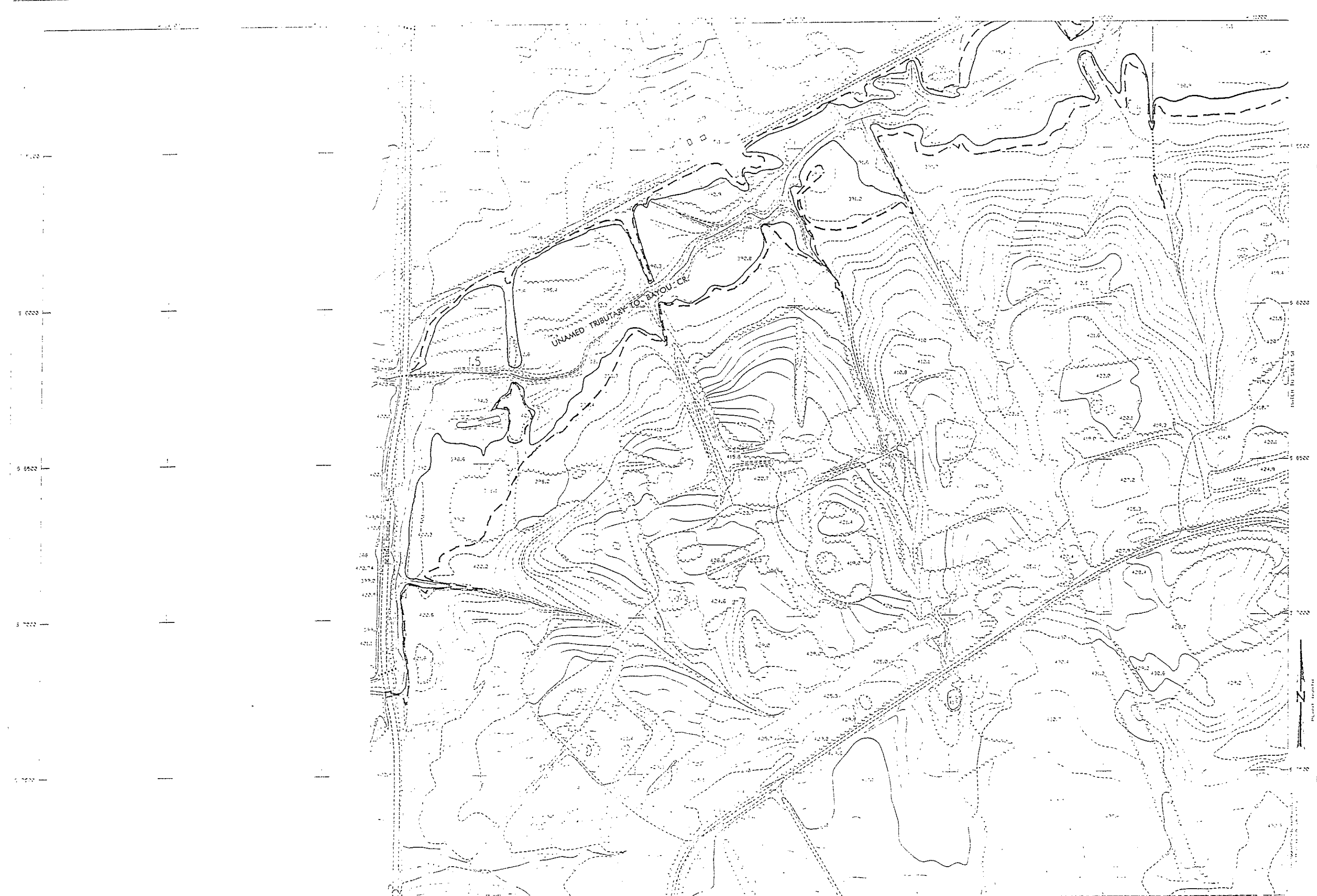
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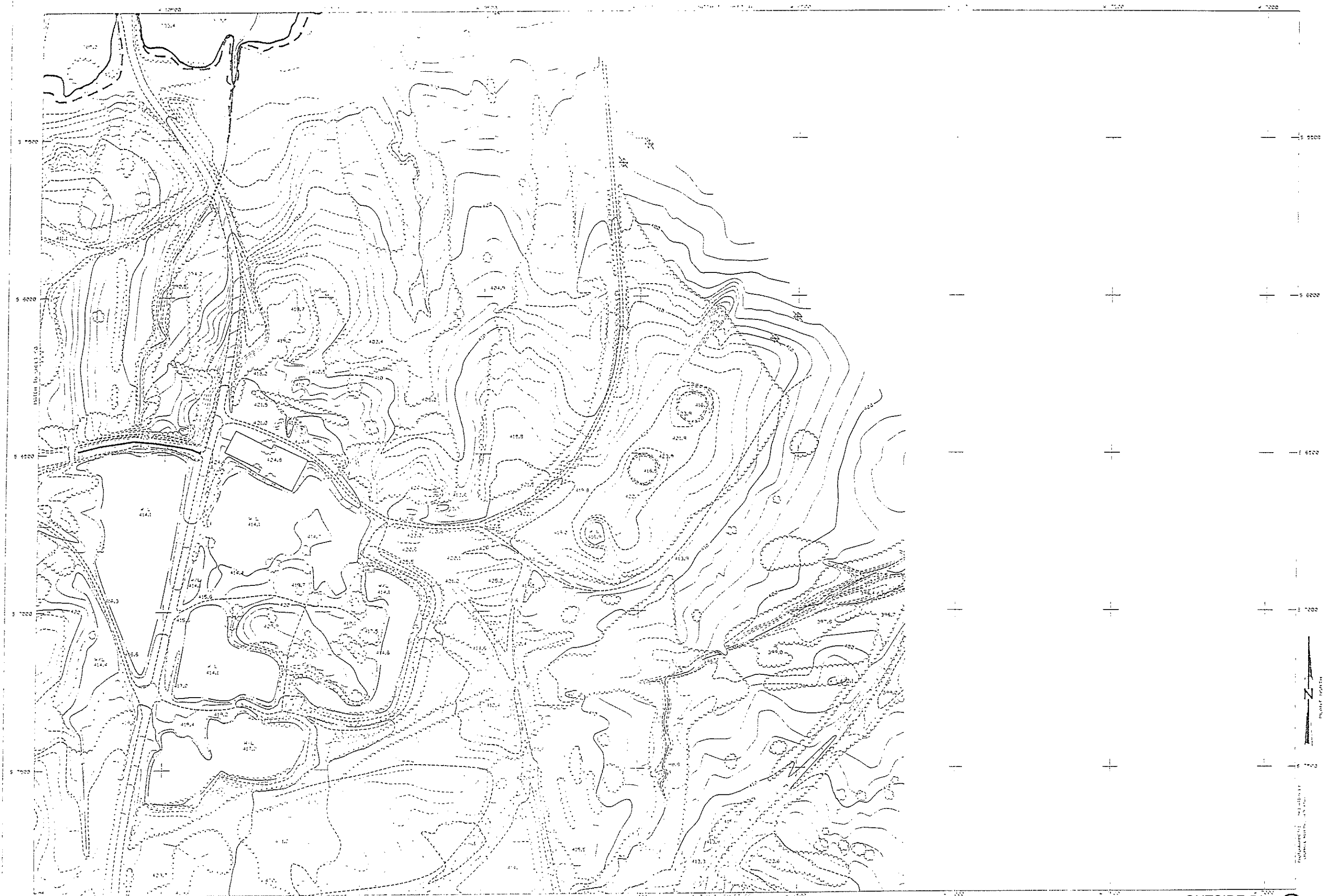
OUTSIDE 48

(46)



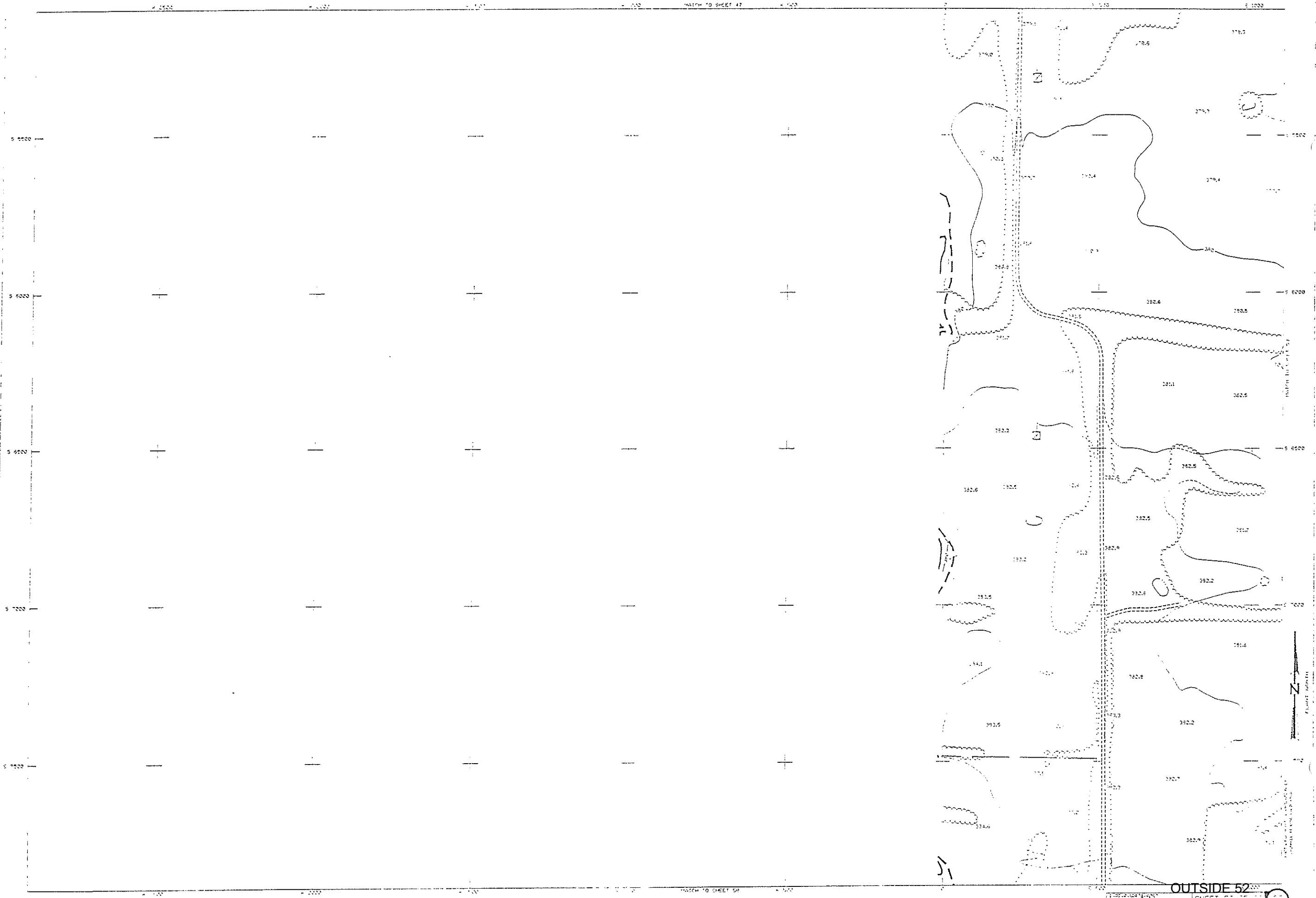
OUTSIDE 54

(54)



OUTSIDE 51

(51)



OUTSIDE 52  
SHEET 52 OF 52

(52)



OUTSIDE 56  
SHEET 56 OF 66

DATE: 11-23-90

E.P. 100000000  
C.C. 100000000

66



OUTSIDE 57

31



OUTSIDE 58

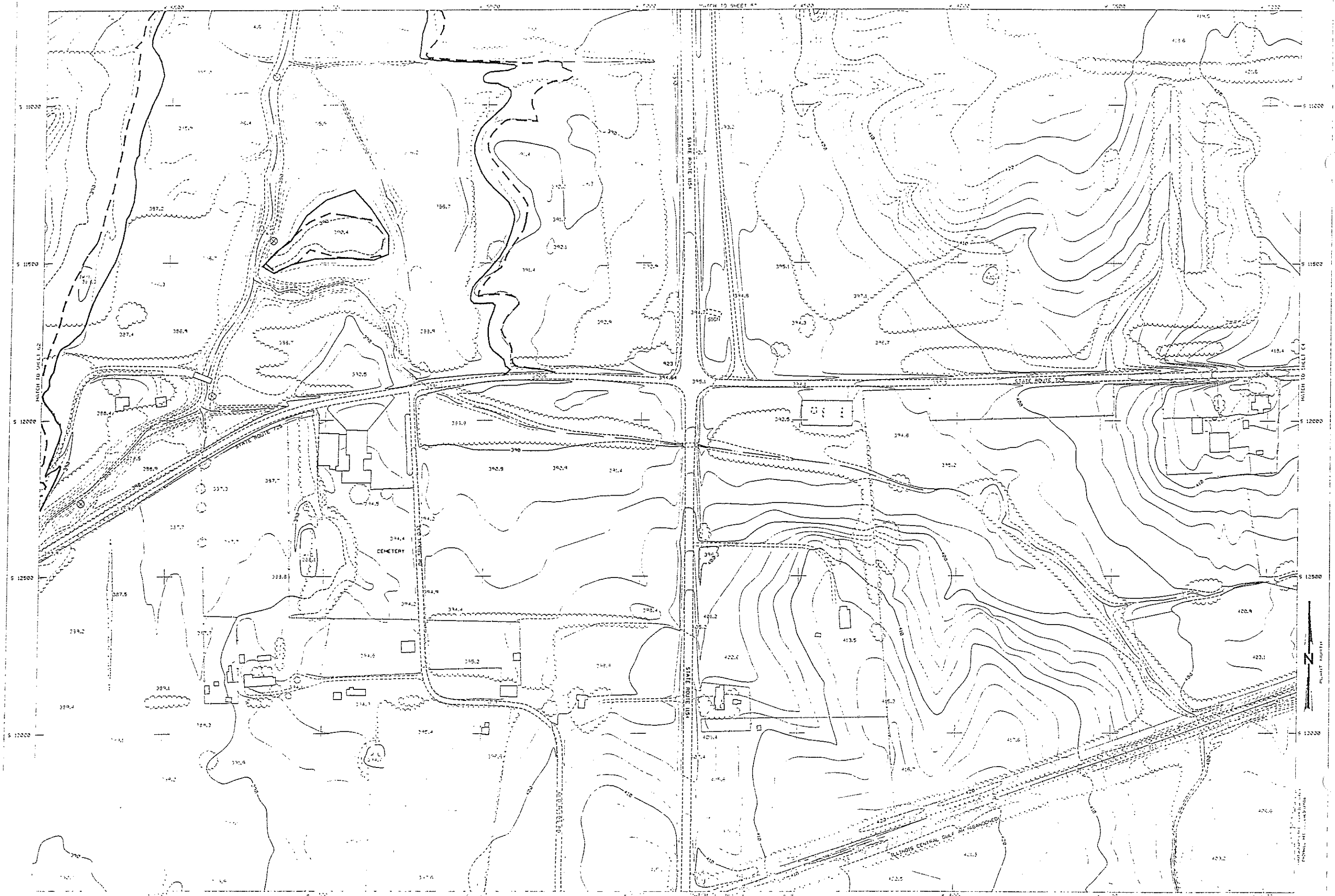
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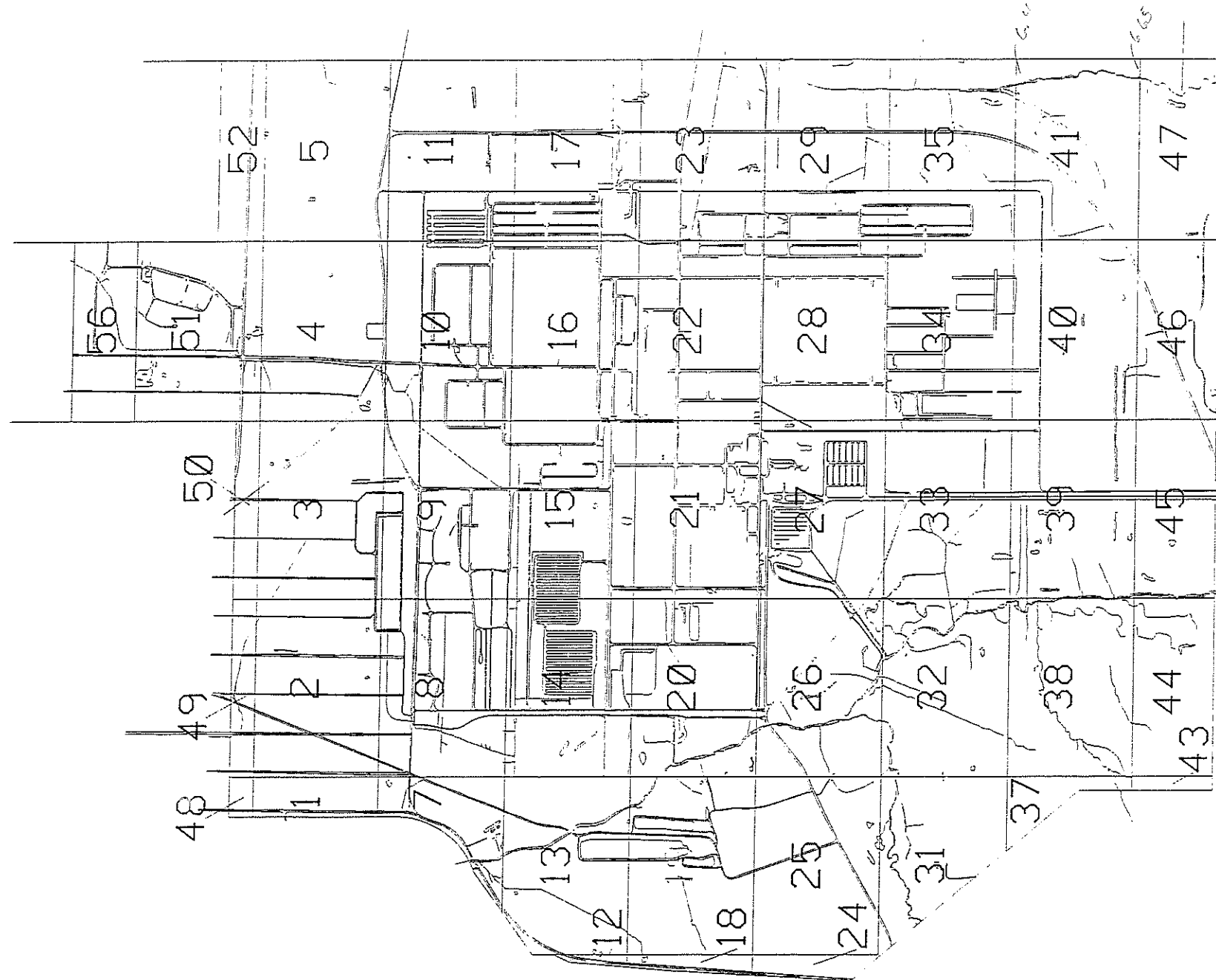






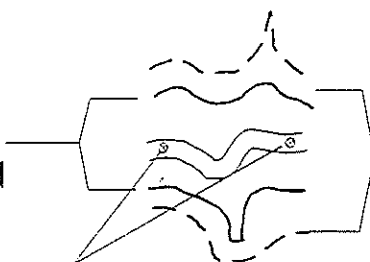
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**FLOODPLAIN MAPS**  
**INSIDE PLANT AREA**



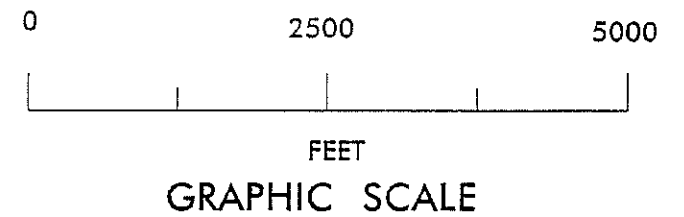
**INDEX**

100 YEAR  
FLOODPLAIN  
RIVERMILES



500 YEAR  
FLOODPLAIN

**LEGEND**



STUDY AREA INSIDE OF PLANT  
FLOODPLAIN MAPS  
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PGDP FLOODPLAIN INVESTIGATION

ENVIRONMENTAL INVESTIGATIONS  
AT  
THE PADUCAH GASEOUS DIFFUSION PLANT  
AND McCRACKEN COUNTY, KENTUCKY

Prepared for

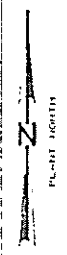
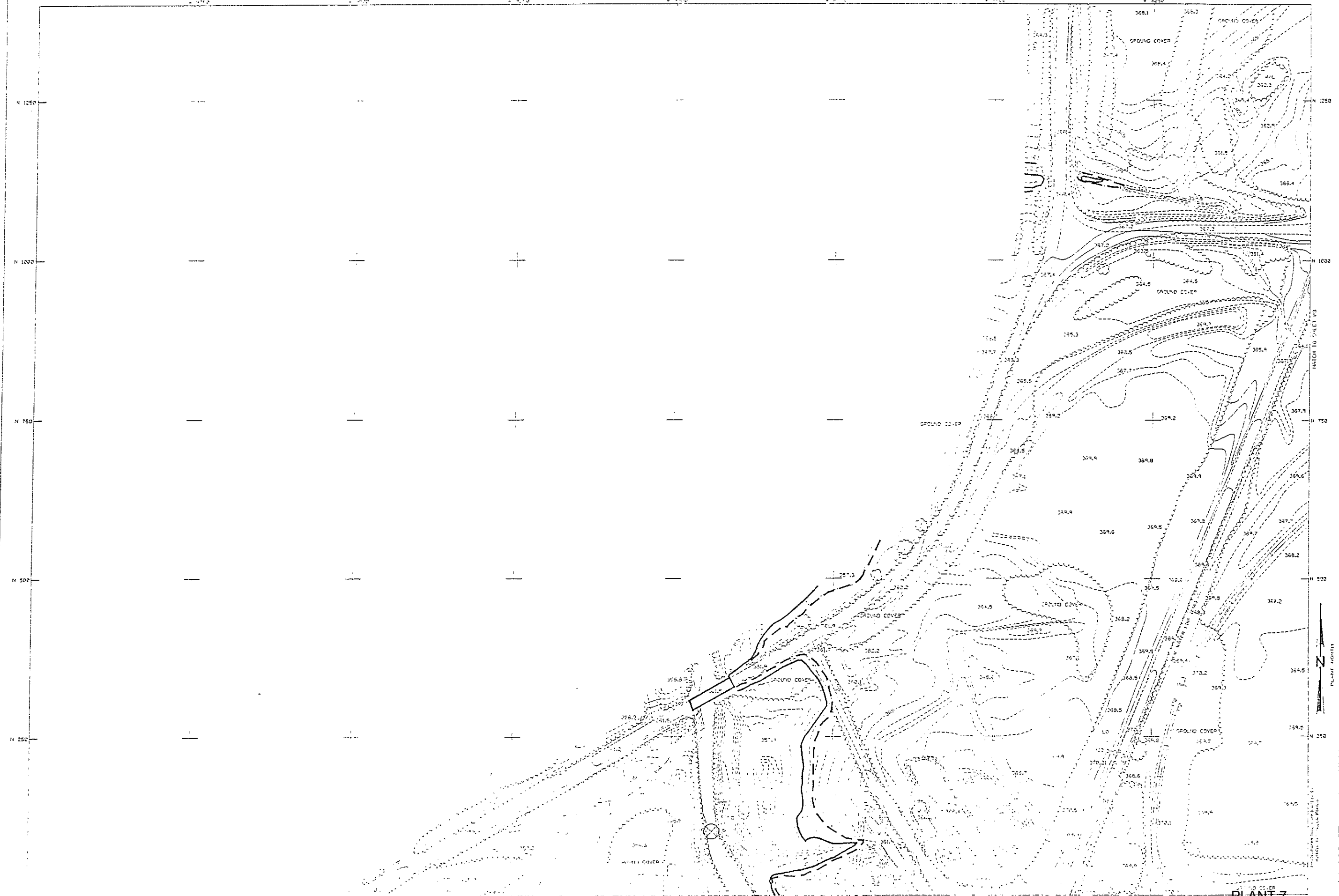
DEPARTMENT OF ENERGY  
OAK RIDGE OPERATIONS  
PADUCAH SITE OFFICE

MATCH TO SHEET 01  
4 202

V 8250

N 1250  
N 1000  
N 750  
N 500  
N 250

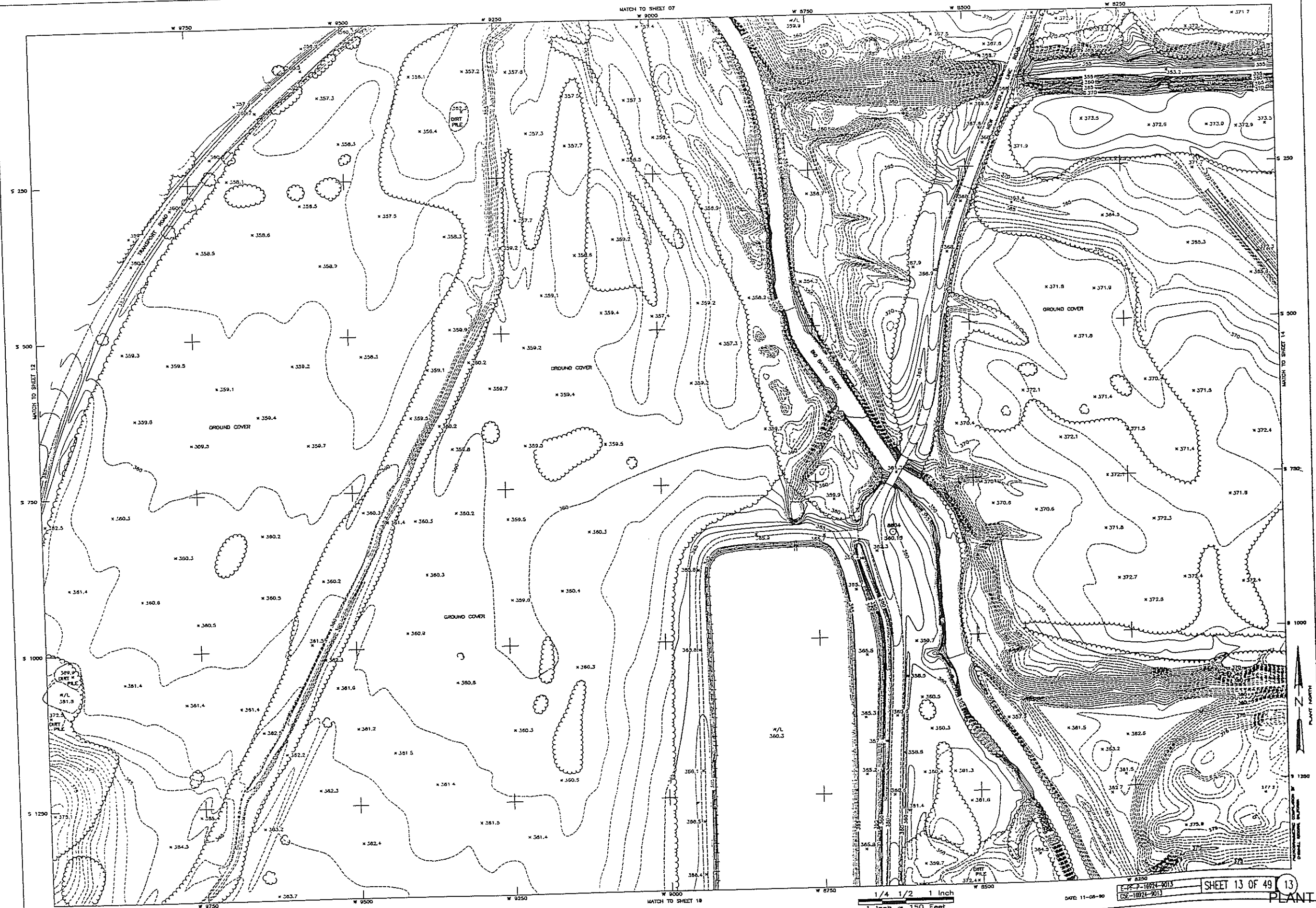
N 1250  
N 1000  
N 750  
N 500  
N 250



PLANT 7

07

(7)



1/4 1/2 1 Inch  
1 Inch = 150 Feet

DATE 11-08-80  
1872-2013  
1872-2013

SHEET 13 OF 49 (13)

PLANT 13



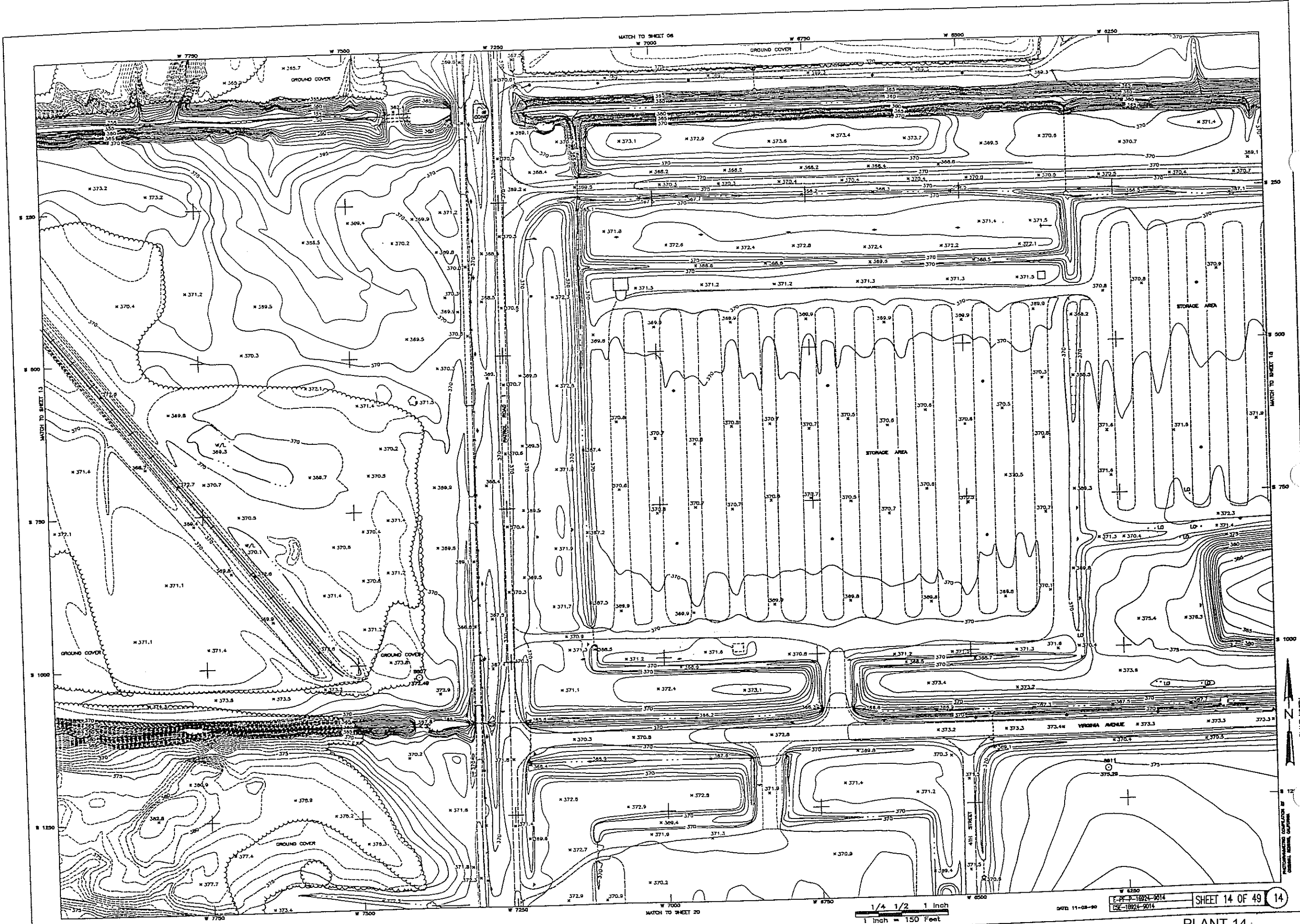
9 250  
9 500  
9 750  
9 1000  
9 1254

9 250  
9 500  
9 750  
9 1000  
9 1254

PLANT 13

(13)





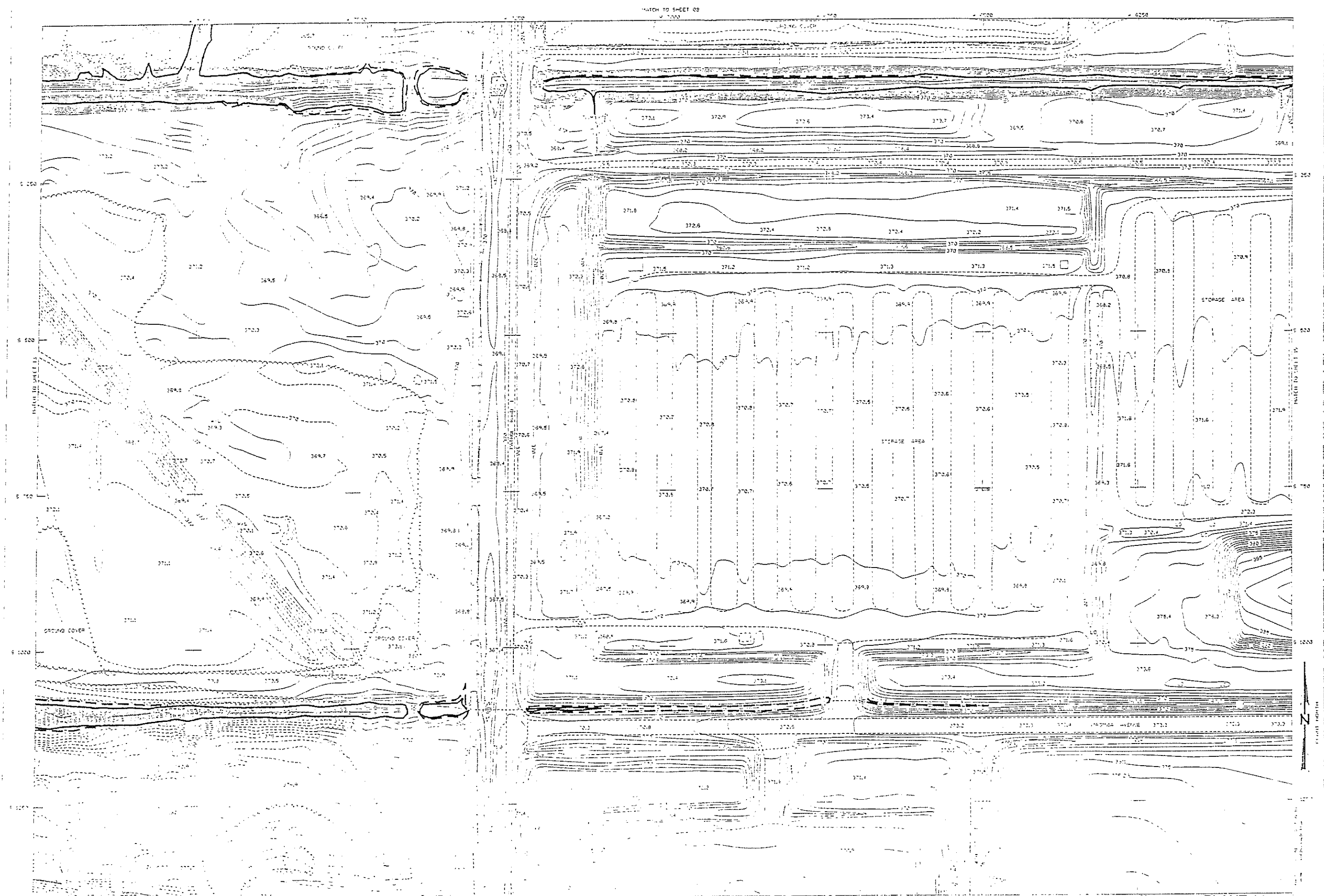
1/4 1/2 1 inch  
1 inch = 150 Feet

DATE 11-08-99

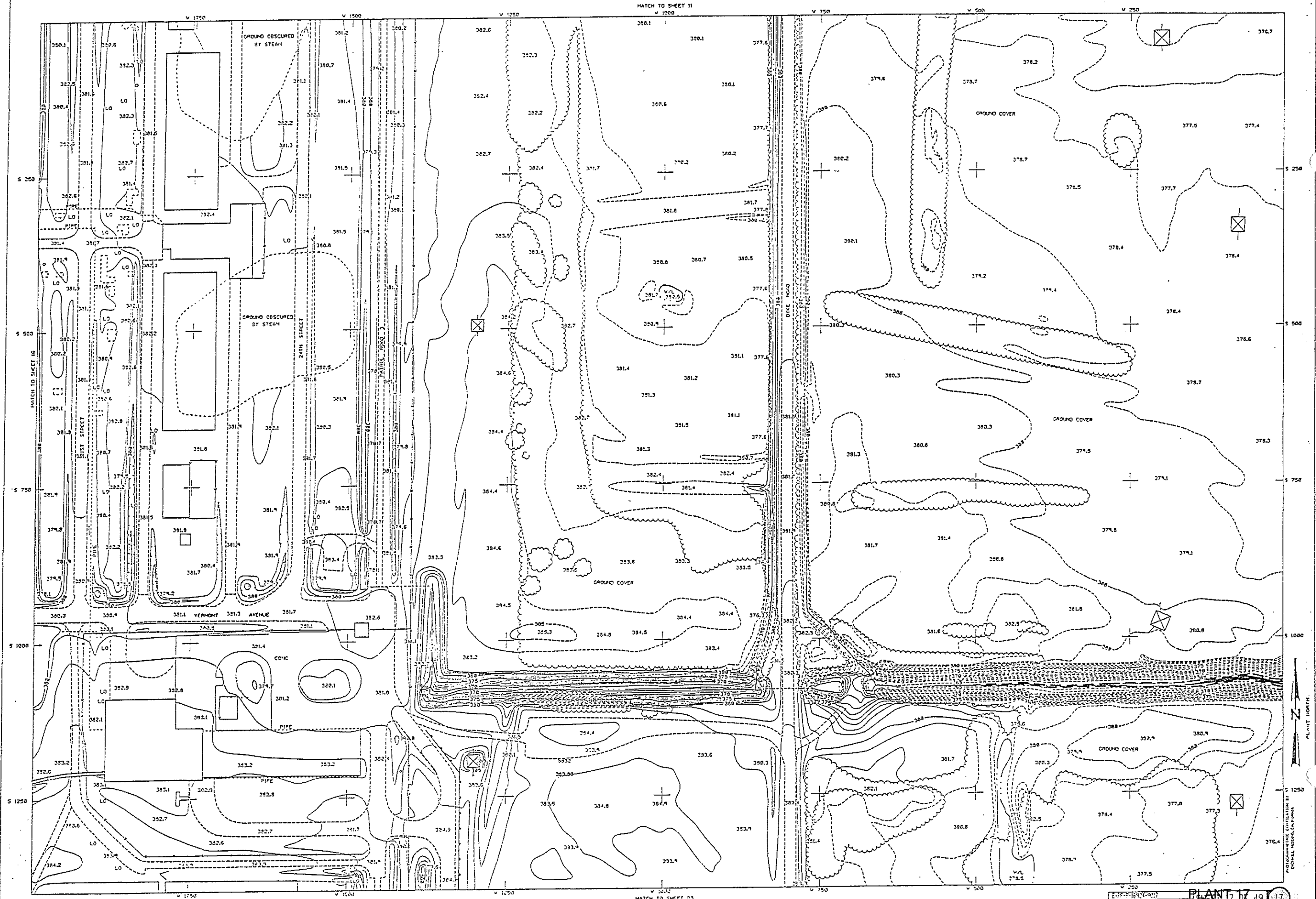
18924-2014  
18924-2014

SHEET 14 OF 49 14

PLANT 14







HATCH TO SHEET 11  
V 1000

HATCH TO SHEET 10  
S 500

S 750

S 1000

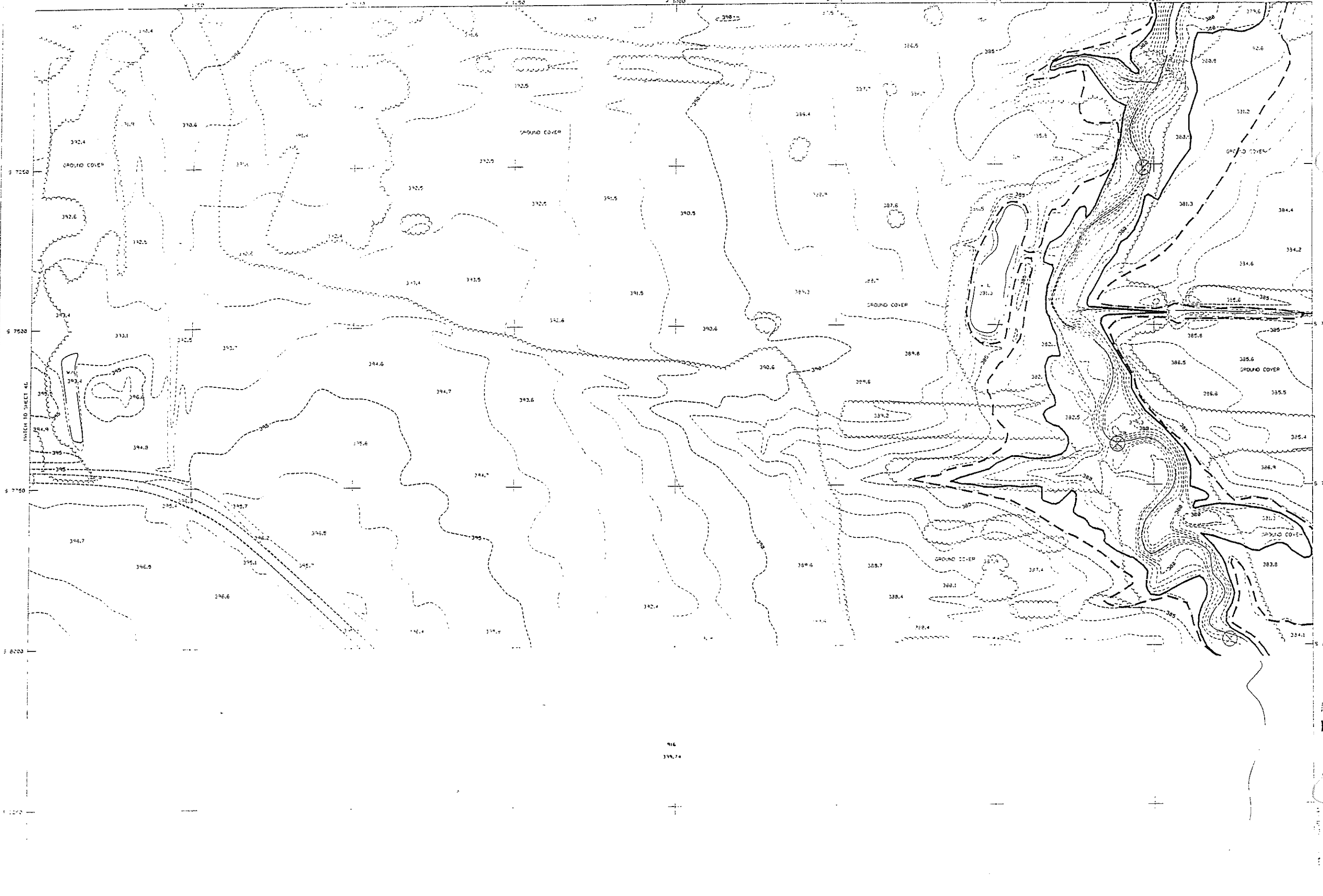
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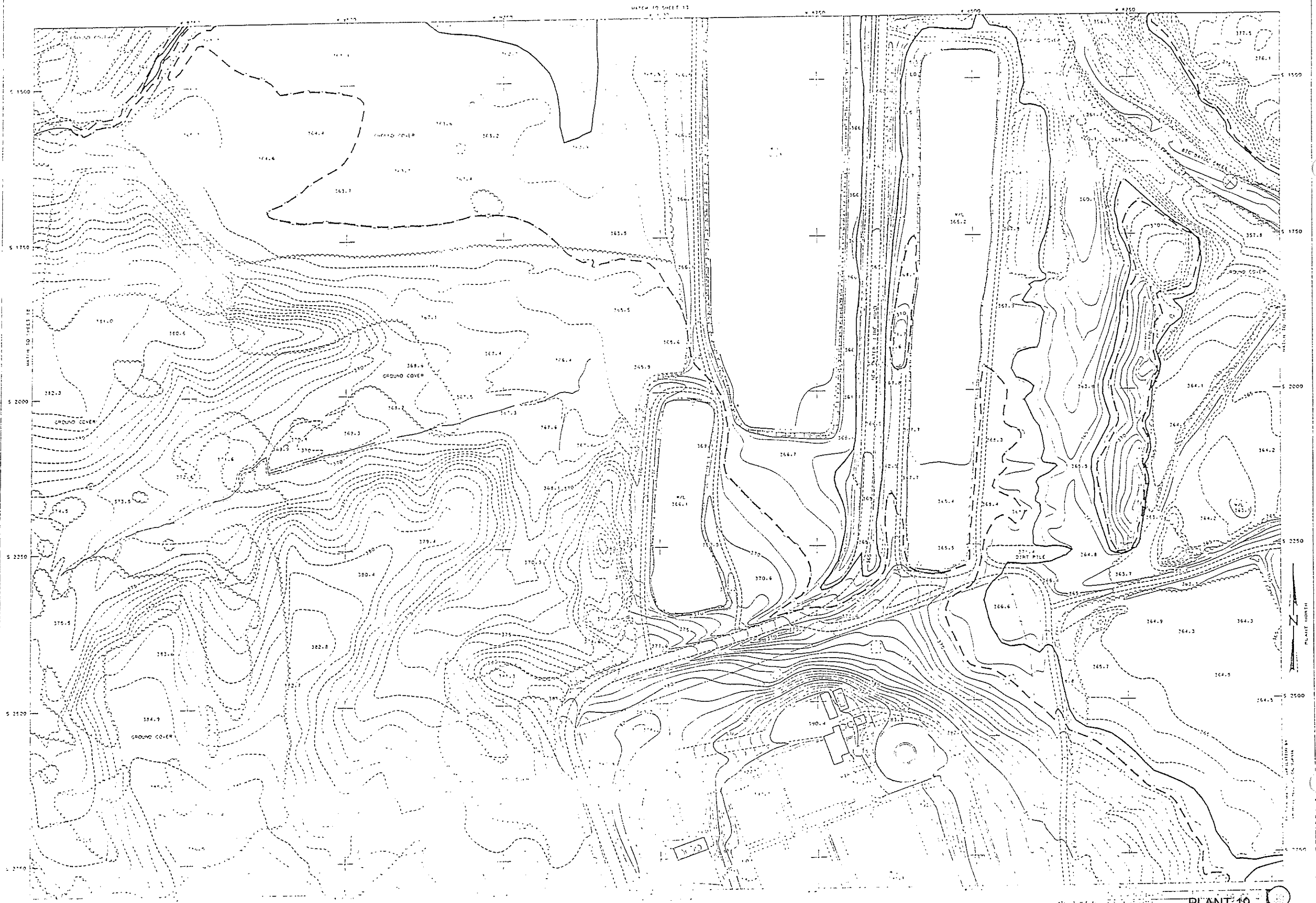
HATCH TO SHEET 23  
V 1500

DATE: 10-01-98  
SEE: 10-24-017

PLANT 7 OF 49  
SHEET 17 OF 49

ORTHOMETRIC CORRELATION BY  
EARTH TECHNOLOGICAL









PLANT 25

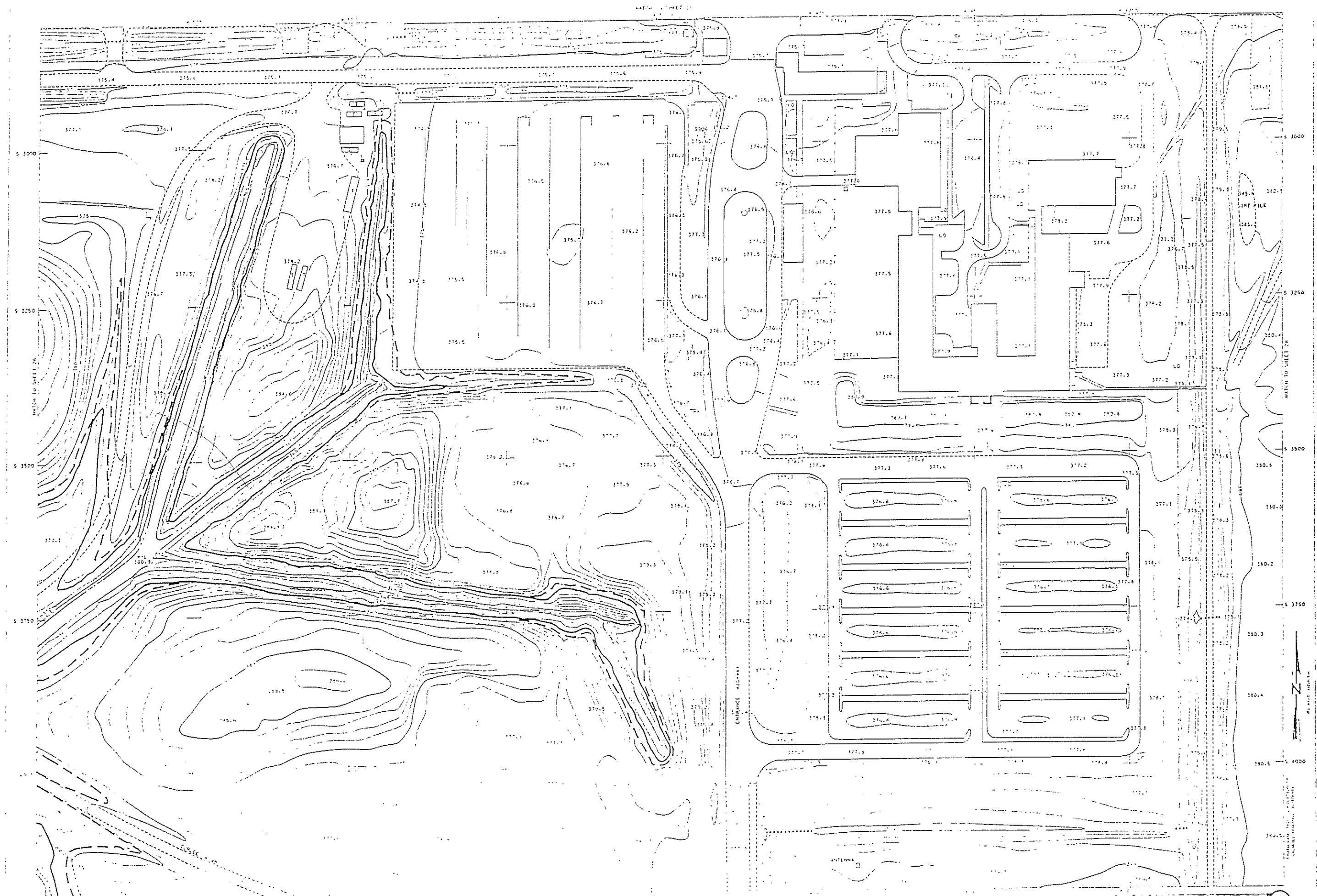
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PLANT 26  
SHEET 26 OF 40

(26)



PLANT 27

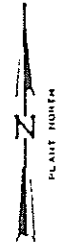
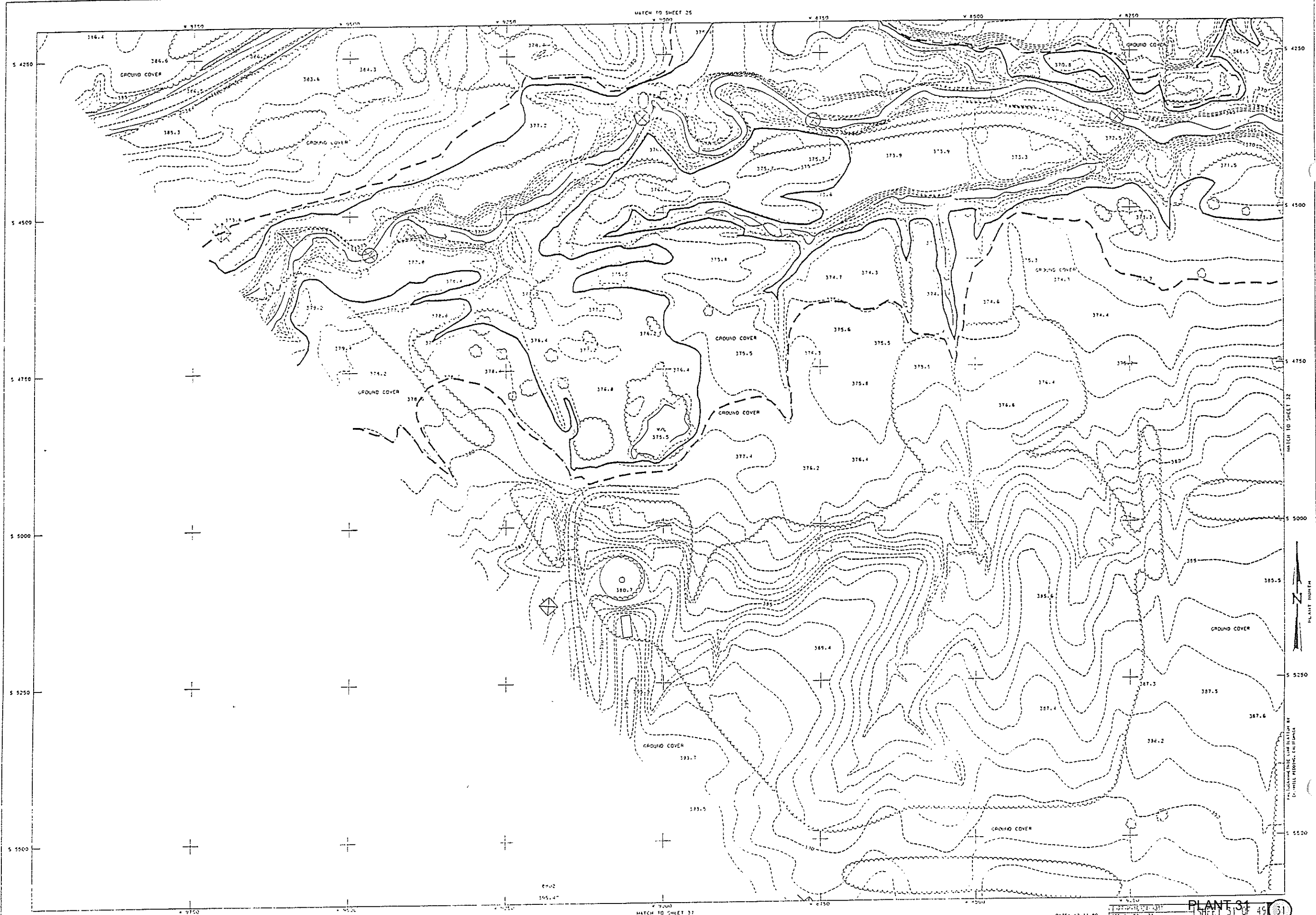
(27)



S 3000  
S 3250  
S 3500  
S 3750  
S 4000

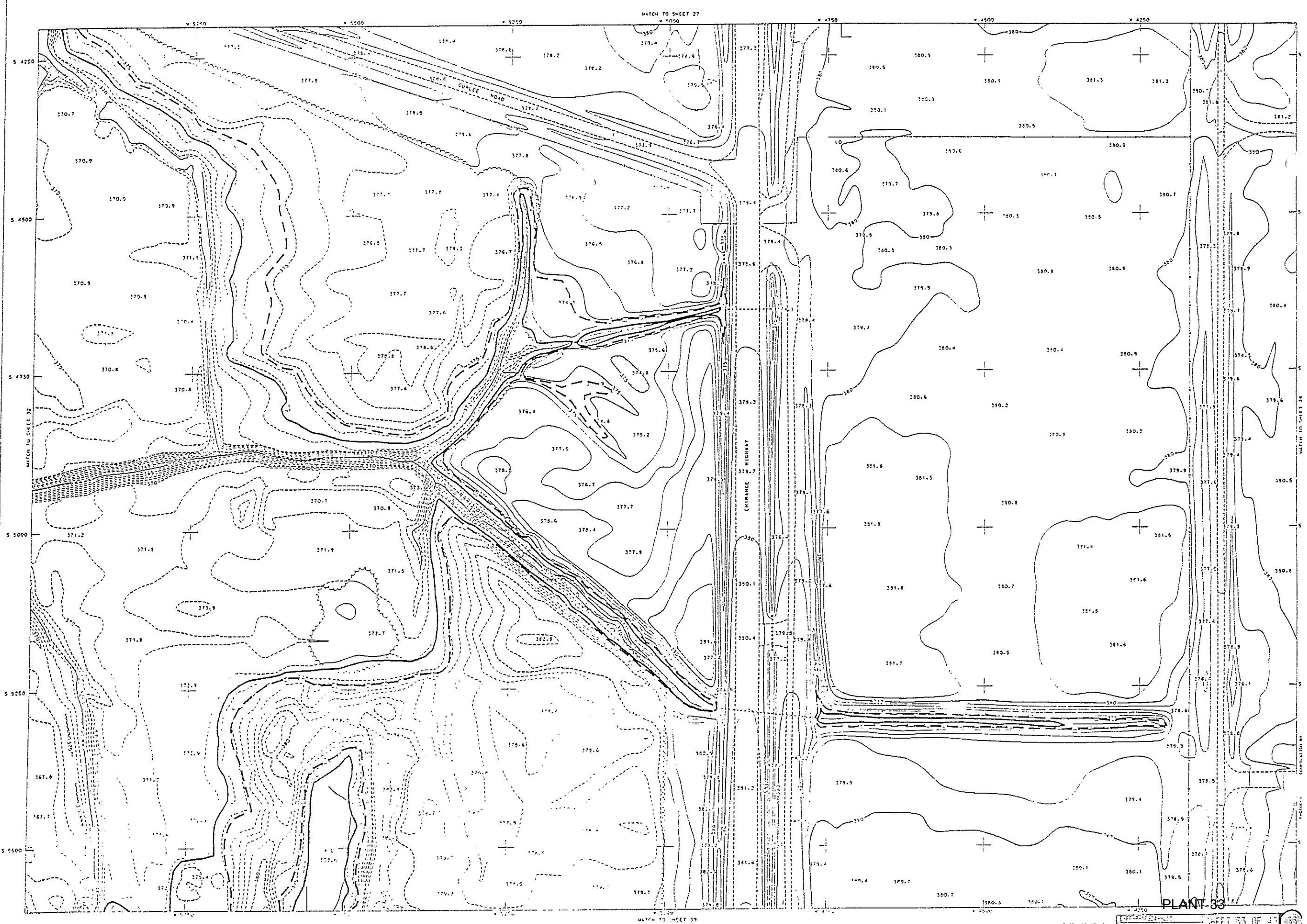
S 3000  
S 3250  
S 3500  
S 3750  
S 4000





FOR LOCATING THIS LINE PLANT BY  
 EX-CELL RECORDING CORPORATION





MATCH TO SHEET 27  
W 4000

S 4250  
S 4500  
S 4750  
S 5000  
S 5250  
S 5500

W 4750  
W 4500  
W 4250

CURLIE ROAD

ENTRANCE HIGHWAY

PLANT 33

MATCH TO SHEET 39

DATE: 10-10-40  
SHEET 33 OF 43



MATCH TO SHEET 34

MATCH TO SHEET 29  
W 1000

MATCH TO SHEET 41  
W 1000

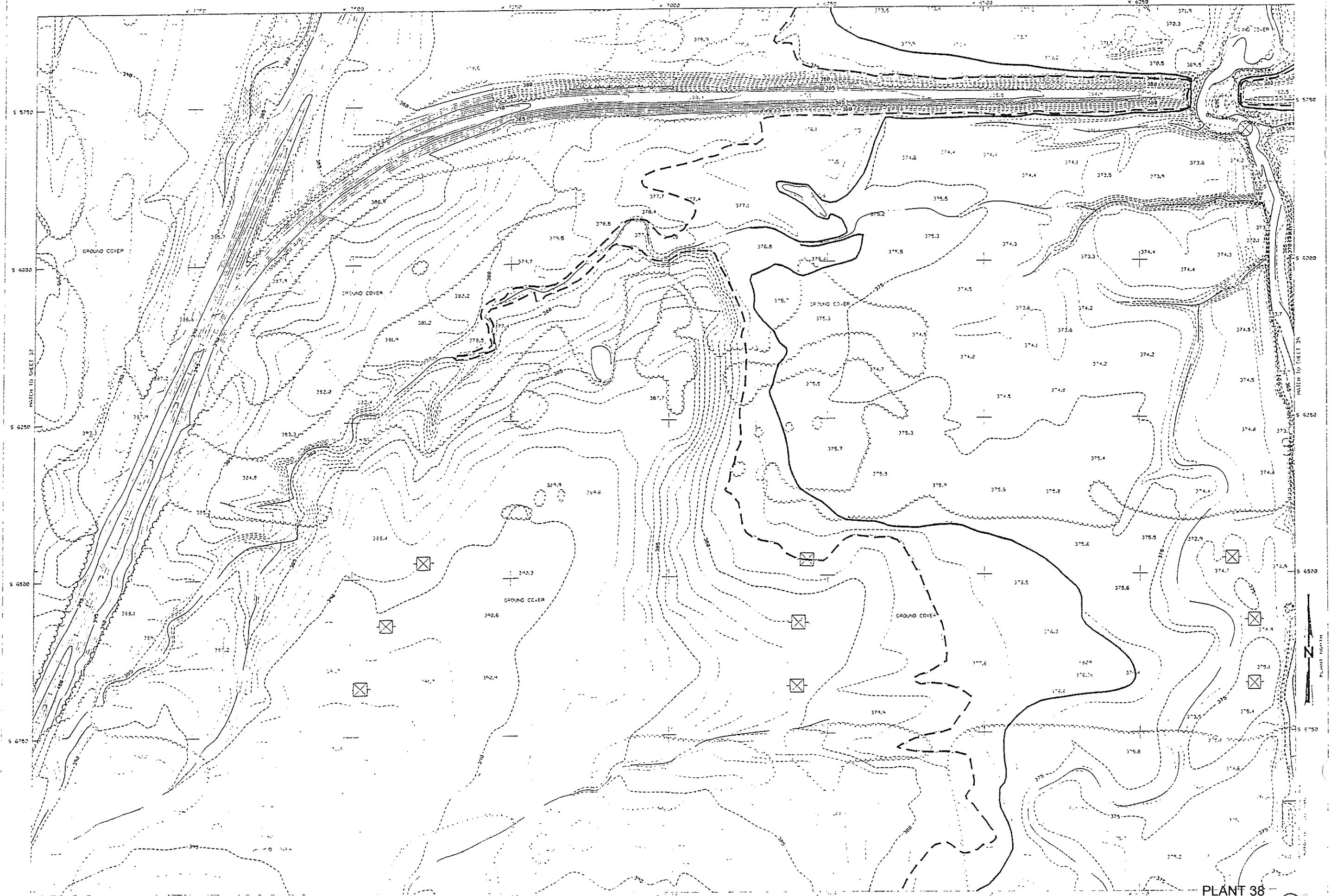
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PLANT 35  
SHEET 35 OF 49

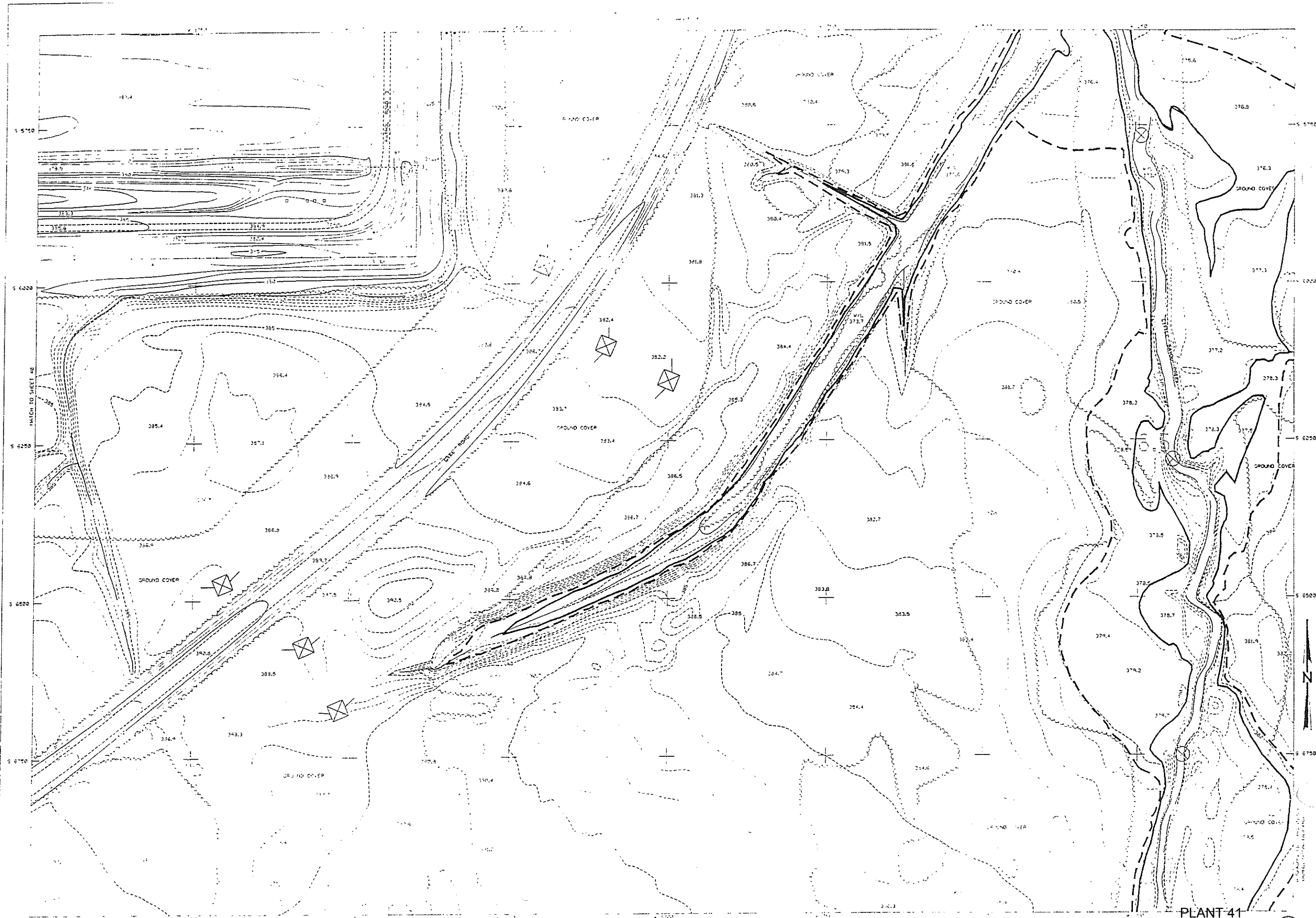
PROVIDED FOR THE CONSTRUCTION OF THE  
CONCRETE PAVEMENT

PLANET NORTH



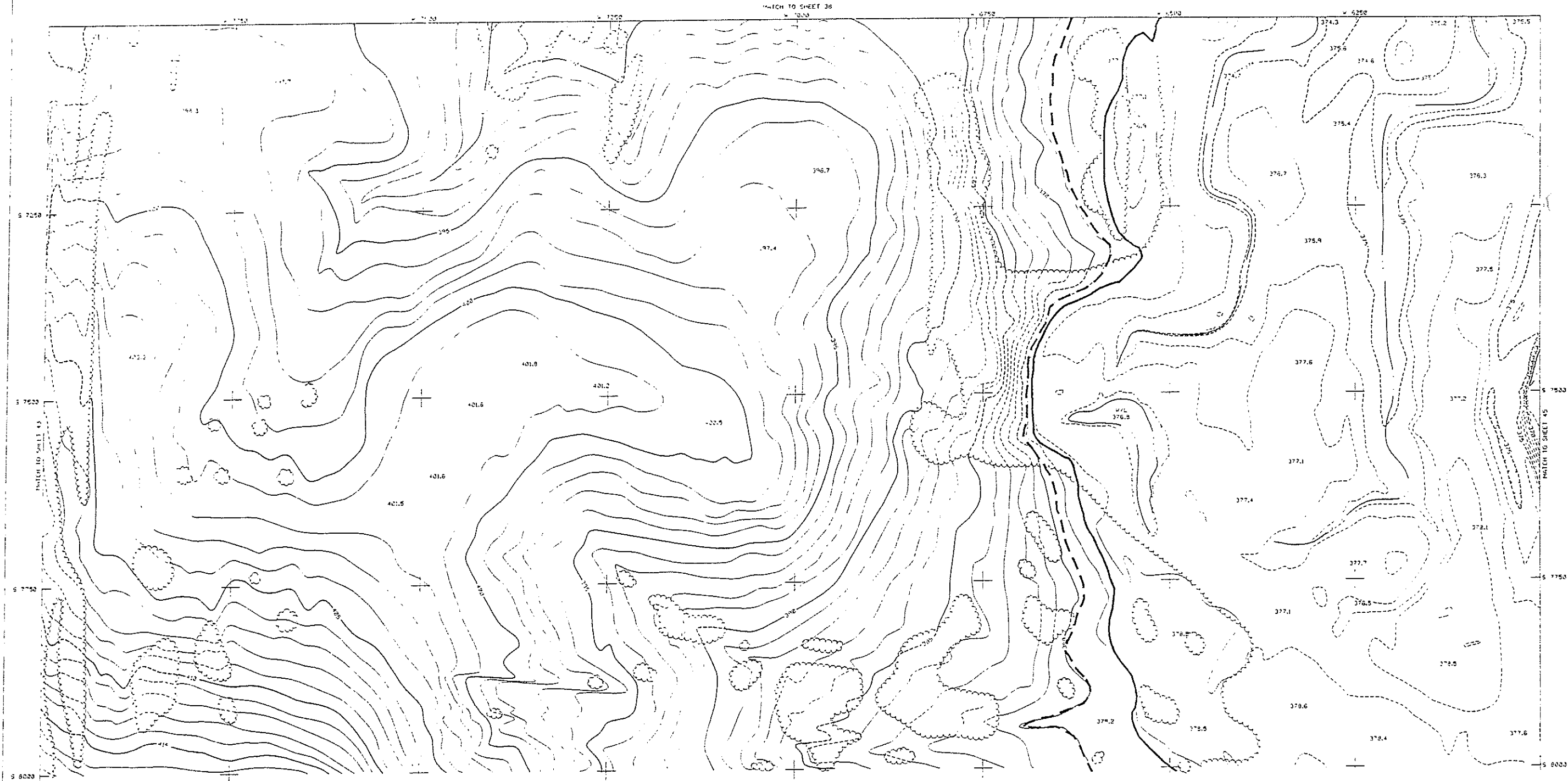






PLANT 41

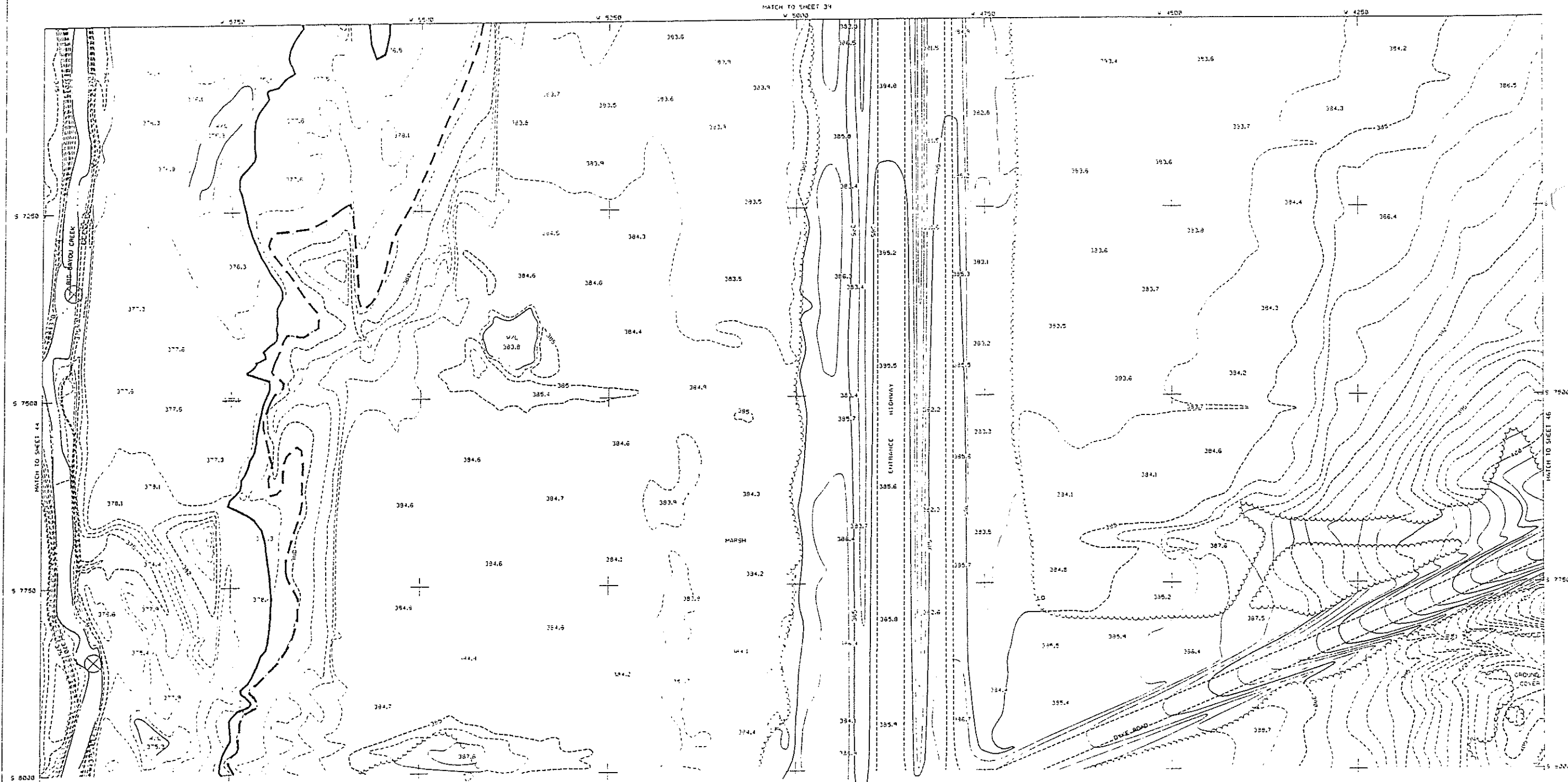




PLANT 44

44





4905  
386.22