Appendix E

Agreements and Obligations

DOVER BY-PASS ARCHAEOLOGICAL PROJECT

OUTLINE

Project Director: Ronald A. Thomas, State Archaeologist

Salvage Authority: Division of Historical and Cultural Affairs

Scope of Project: It is proposed that archaeological reconnaissance and preliminary excavation be conducted along the right-of-way of the Dover By-Pass prior to the commencement of actual construction. The entire route will be covered by this project.

Project Personnel:

Survey Archaeologist - This position will be filled by a person with a B.A. or equivalent in anthropology or a related field. The job will consist of actual survey and field excavation supervision. It will also include the examination of processed artifacts and records.

Research Assistant - This position will be filled by a person with a demonstrated interest in archaeology but will not require a degree. The job will consist of processing the material and information recovered and the participation in actual fieldwork.

Laboratory and Storage Facilities: The project will be housed in facilities of the Division of Historical and Cultural Affairs where supporting services are available to the project.

Project Schedule:

I. Aerial survey and mapping

II. Preliminary ground survey

III. Artifact and Site distribution study

IV. Preliminary excavation and testing

V. Extensive excavation

PROPOSAL FOR ARCHAEOLOGICAL RESEARCH ALONG THE PROPOSED DOVER BY-PASS

Date: September 17, 1971

Submitting Agency: Section of Archaeology, Division of Historical and Cultural Affairs, Department of State

Project Director: Ronald A. Thomas, State Archaeologist

Scope of Project: It is proposed that archaeological work be conducted along the route of the bypass scheduled to be constructed prior to and during the construction period. Such work is to consist of prehistoric site survey, site excavation when necessary, and all site artifact research necessary to evaluate the site.

Site Survey:

The first aspect of any program of archaeological research is the survey of sites in the area under investigation. It is proposed that an attempt be made to locate all prehistoric and early historic sites within the bypass area. This would be accomplished by the following methods:

a. aerial survey and photography
b. 1. study of existing photos
   2. photographing of color slides
   3. infra-red aerial photography

b. preliminary ground survey - this entails the close investigation of existing cleared ground for evidences of human occupation

c. artifact distribution study - to be carried out in the preliminary stage, this calls for the plowing of all discovered sites and the controlled collecting of same.

d. construction stage survey - this stage would be conducted during actual construction by observing the clearing of new grounds.

e. completed job survey - after all earth moving has been completed, the investigator will search eroded areas of the bypass for additional sites.

Excavation:

When the survey is complete, or if the construction schedule dictates, excavation of sites selected by evaluating the surface collections will commence. Excavation will be conducted in three phases:

a. test excavation - each known site will be tested by excavating random units to determine the potential for further excavation.

b. extensive excavation - sites selected by surface collection analysis or test excavations for their potential will be completely excavated through the use of hired crews and machine stripping.

c. salvage excavation - any sites discovered by construction work will be rapidly excavated by the best means at hand.

Logistics:

The proposed research team of a survey archaeologist and his assistant will be housed in the facilities of the Section of Archaeology. The ultimate direction will be by the State Archaeologist. Transportation will be provided by the Dover Bypass Survey, as will all excavation equipment. Artifacts will be processed and stored at the Section of Archaeology.

Funding:

Funds are applied for through Policy and Procedure Memorandum 20-7, dated March 31, 1971, which provides for reimbursement by the Federal Highways Administration for archaeological work on federally-supported highway projects.

DOVER BY-PASS - BUDGET PROPOSAL

1. Salary - Survey Archaeologist

1st year	($8,000.00)	$ 9,097.52
2nd year	(8,400.00)	9,547.52
3rd year	(8,820.00)	10,015.92
		$28,660.96

Salary - Assistant

1st year	($5,000.00)	$ 6,409.52
2nd year	(5,880.00)	6,713.02
3rd year	(6,174.00)	7,032.40
		$20,154.94

2. Part-time Crew

(3 years)	$12,000.00

3. Transportation	$ 3,000.00

4. Contractual Services

Aerial photography	$ 300.00
Geological borings	1,000.00
Miscellaneous	1,000.00

5. Equipment and Supplies

Excavation tools	$ 1,500.00
Cameras	300.00
Maps, charts, etc.	100.00
Gasoline	2,000.00

6. Capital Outlay

Small tractor with back blade, back hoe, plow and front end loaders accessories	$ 7,000.00

TOTAL BUDGET

1.	$48,815.90
2.	12,000.00
3.	3,000.00
4.	5,000.00
5.	3,900.00
6.	7,000.00
	$79,715.90

U. S. DEPARTMENT OF TRANSPORTATION - FEDERAL HIGHWAY ADMINISTRATION

Amendment No. 1

LETTER OF APPROVAL AND/OR AUTHORIZATION

FEDERAL AID PROJECT NO. F-210(1)

STATE PROJECT NO.

FROM: R.M. Lambe, Division Engineer, Dover, Delaware

PROGRAM NO.

ITEM NO. 240

COUNTY NAME: Kent

PROGRAM STAGE (Check) [ ] 1. [X] 2.

TO:

Mr. H.A. Davidson
Director of Highways
Department of Highways and Transportation
Dover, Delaware

DATE PS&E APPROVED	DATE AUTHORIZATION EFFECTIVE	FEDERAL ROUTE NUMBER
4-7-72	8-25-72	FAP 3
		STATE ROUTE NUMBER

GENERAL LOCATION:

In Kent County on the alignment of the Dover By-Pass from US 13 North of Woodside to CR 100

GENERAL DESCRIPTION OF WORK:

Work involves an archaeological reconnaissance survey including preliminary site examinations.

YOU ARE AUTHORIZED TO PROCEED WITH THE WORK CHECKED BELOW

- [ ] PRELIMINARY ENGINEERING TO DETERMINE LOCATION ONLY
- [ ] PRELIMINARY ENGINEERING FOR SURVEY AND PLAN PREPARATION
- [ ] OTHER (Specify) [X] Archaeological Investigations
- [ ] ACQUISITION OF RIGHT-OF-WAY
- [ ] CONSTRUCTION - ADVERTISE FOR RECEIPT OF BIDS
- [ ] CONSTRUCTION - PROCEED ON AN AGREED PRICE AND/OR FORCE ACCOUNT BASIS

REMARKS

1. This authorization amends the previous authorization dated 4-7-72 to include the area described in the general location shown above.
2. Total estimated cost of the work will remain as shown in the original authorization dated 4-7-72 - $26,660 with Federal funds approved in the amount of $13,330.

RECEIVED
AUG 29 1972
FEDERAL AID SECTION

DATE	SIGNATURE OF APPROVING OFFICIAL	TITLE
AUG 25 1972	C. L. Fulmer for	STATE HIGHWAY DEPT. Div. Engr

FORM PR-1240 (REV. 8-70) EXISTING STOCKS OF FORM PR-1240 (REV. 6-68) WILL BE USED

U. S. DEPARTMENT OF TRANSPORTATION - FEDERAL HIGHWAY ADMINISTRATION

LETTER OF APPROVAL AND/OR AUTHORIZATION

FEDERAL AID PROJECT NO. F-210(1)

STATE PROJECT NO.

RECEIVED

FROM:
R. M. Lemke
Division Engineer
Dover, Delaware

PROGRAM NO.

1972 APR 11 PM 2:00

COUNTY NAME: Kent

ITEM NO.: 240

PROGRAM STAGE (Check): [ ] 1. [X] 2.

TO:

Mr. E. A. Davidson
Director of Highways
Department of Highways & Transportation
Dover, Delaware

DATE PS&E APPROVED	DATE AUTHORIZATION EFFECTIVE	FEDERAL ROUTE NUMBER
4-7-72	4-7-72	FAP-3
		STATE ROUTE NUMBER

GENERAL LOCATION:

In Kent County on the alignment of the Dover Bypass from US 113 north of Frederica to US 13 north of Woodside.

GENERAL DESCRIPTION OF WORK:

Work involves an Archaeological Reconnaissance Survey which includes preliminary site examinations.

YOU ARE AUTHORIZED TO PROCEED WITH THE WORK CHECKED BELOW

- [ ] PRELIMINARY ENGINEERING TO DETERMINE LOCATION ONLY
- [ ] PRELIMINARY ENGINEERING FOR SURVEY AND PLAN PREPARATION
- [X] OTHER (Specify) Archaeological Investigations
- [ ] ACQUISITION OF RIGHT-OF-WAY
- [ ] CONSTRUCTION - ADVERTISE FOR RECEIPT OF BIDS
- [ ] CONSTRUCTION - PROCEED ON AN AGREED PRICE AND/OR FORCE ACCOUNT BASIS

FUNDS AVAILABLE

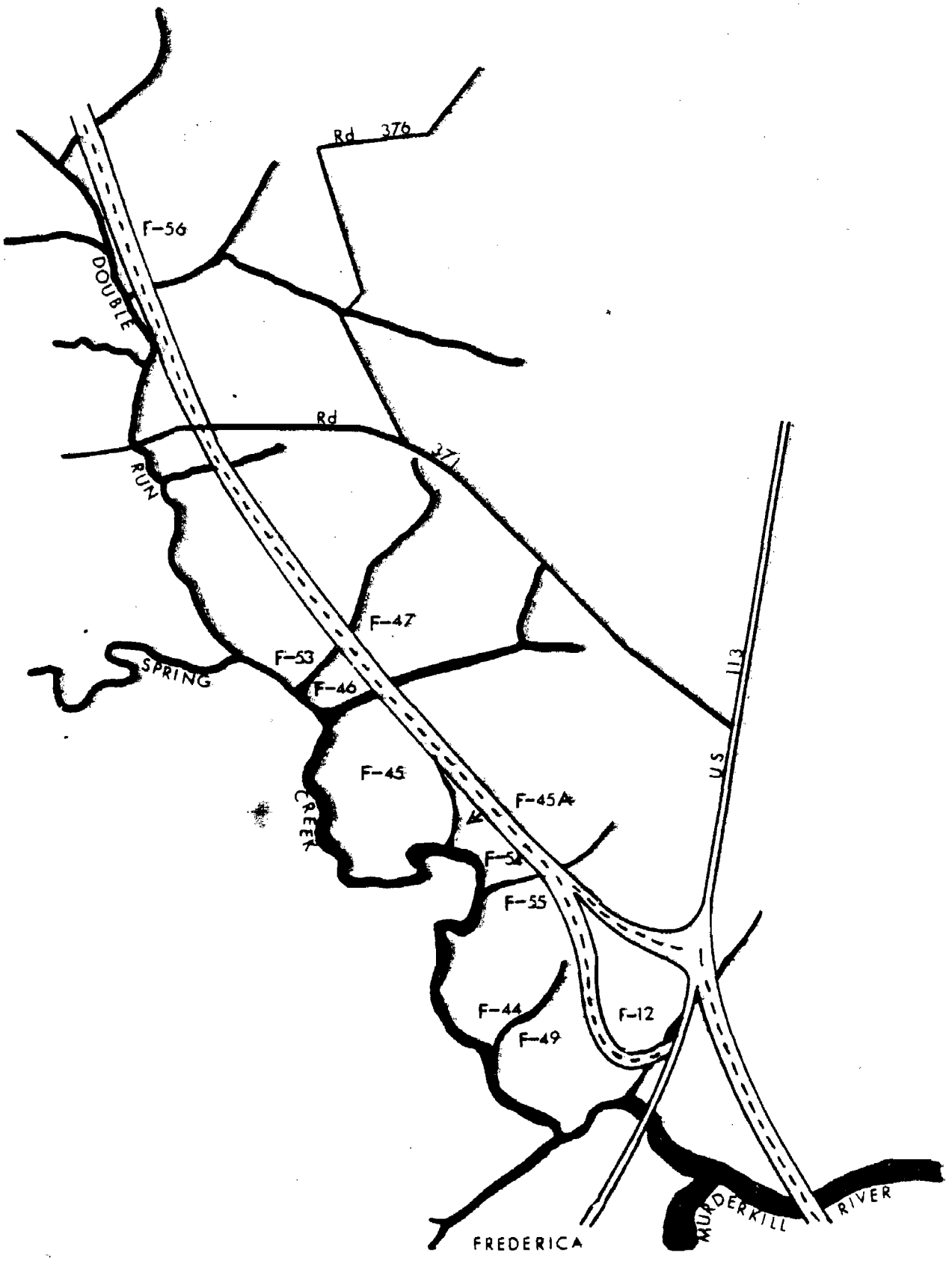
REMARKS

1. This authorization is limited to the portion of the route shown in the "General Location" above.

2. Total estimated cost for the work included in this authorization is $26,660 with Federal funds approved in the amount of $13,330.

DATE	SIGNATURE OF APPROVING OFFICIAL	TITLE
APR 7 1972	R M Lemke	Division Engineer

FORM PR-1240 (REV. 9-70) EXISTING STOCKS OF FORM PR-1240 (REV. 6-68) WILL BE USED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RUN
F-47
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SPRING
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F-45
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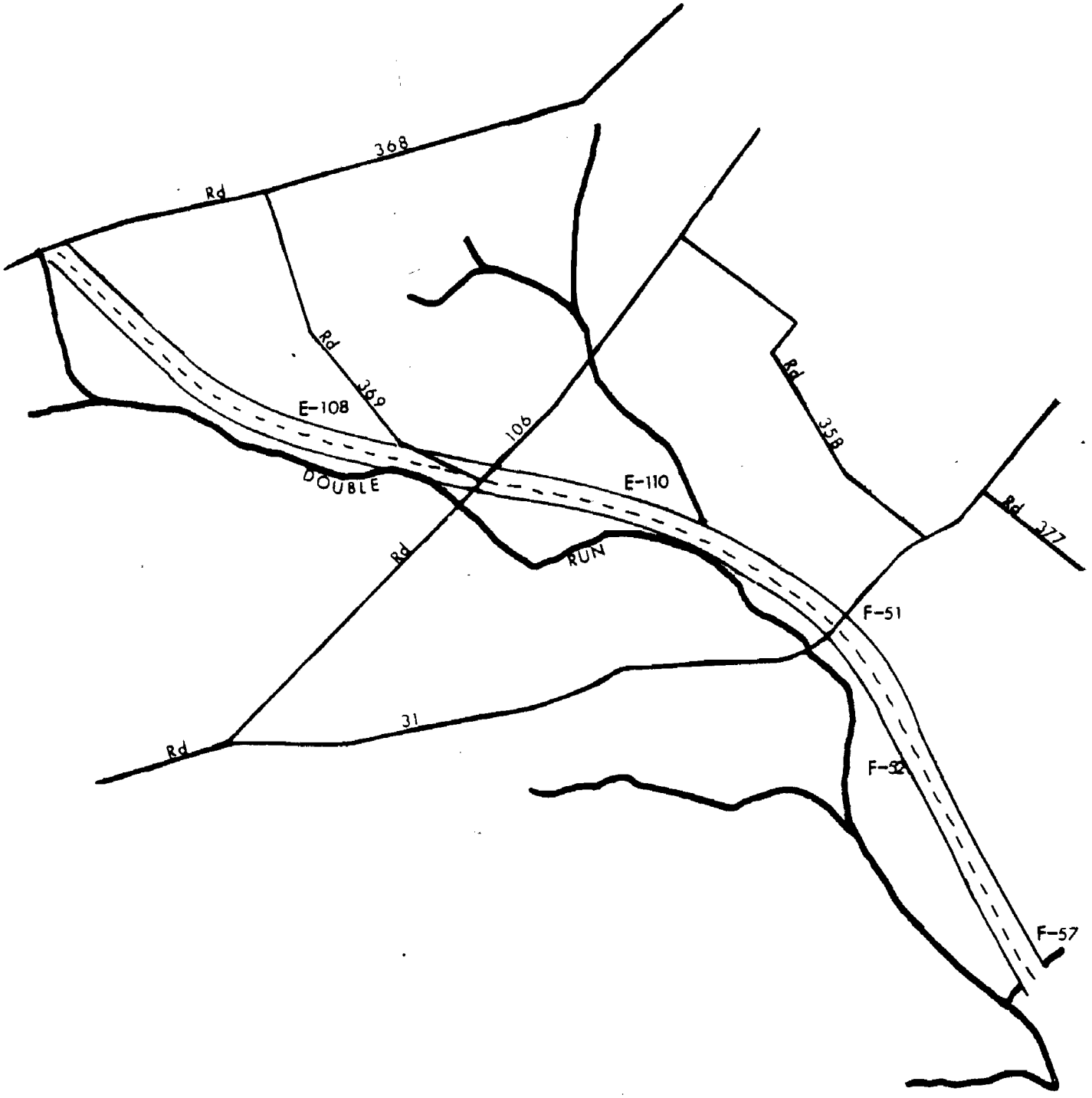
F-45A
F-54
F-55
F-44
F-49
F-12
U.S. 113
MURDERKILL RIVER
FREDERICA

B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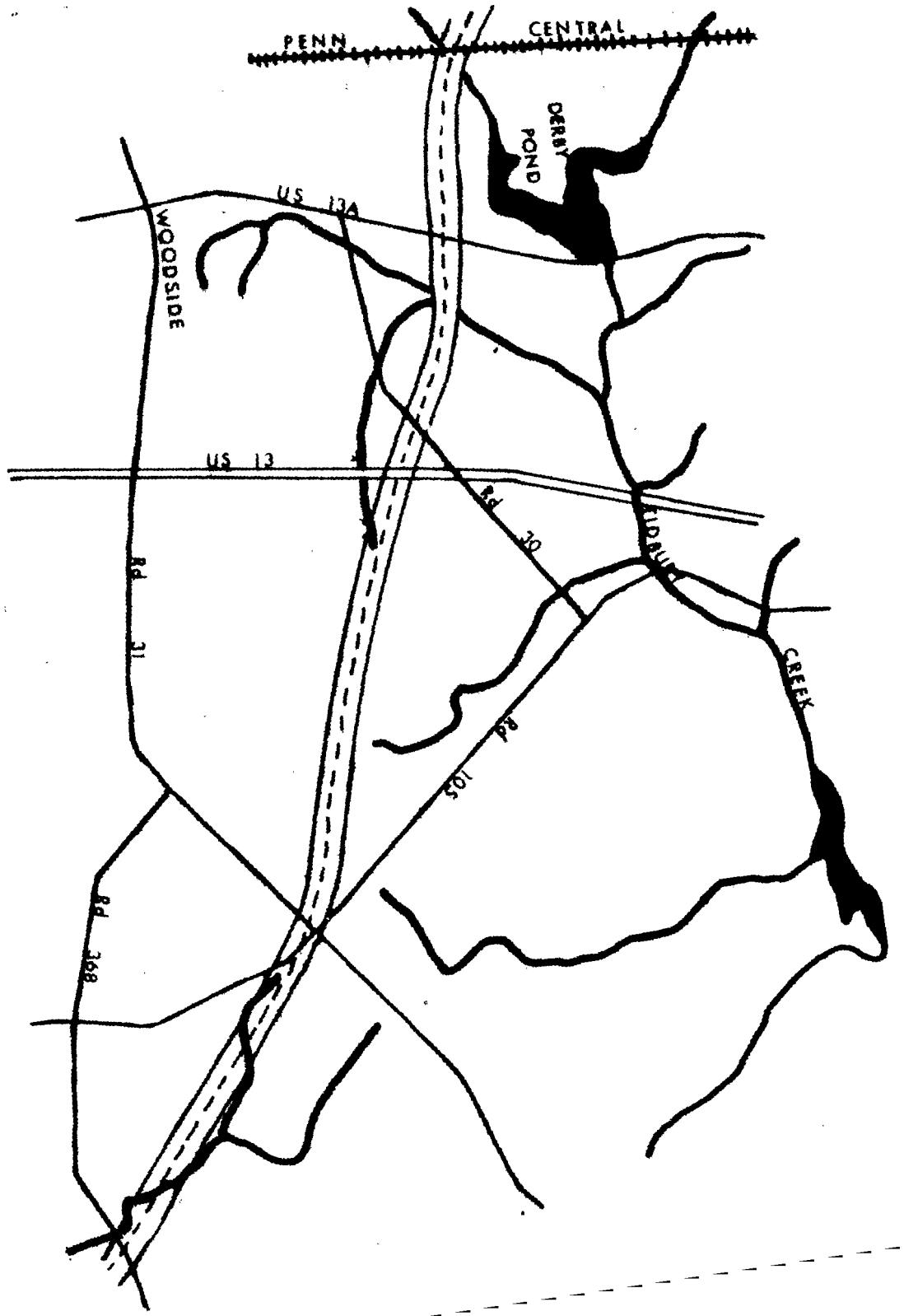
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WOODSIDE
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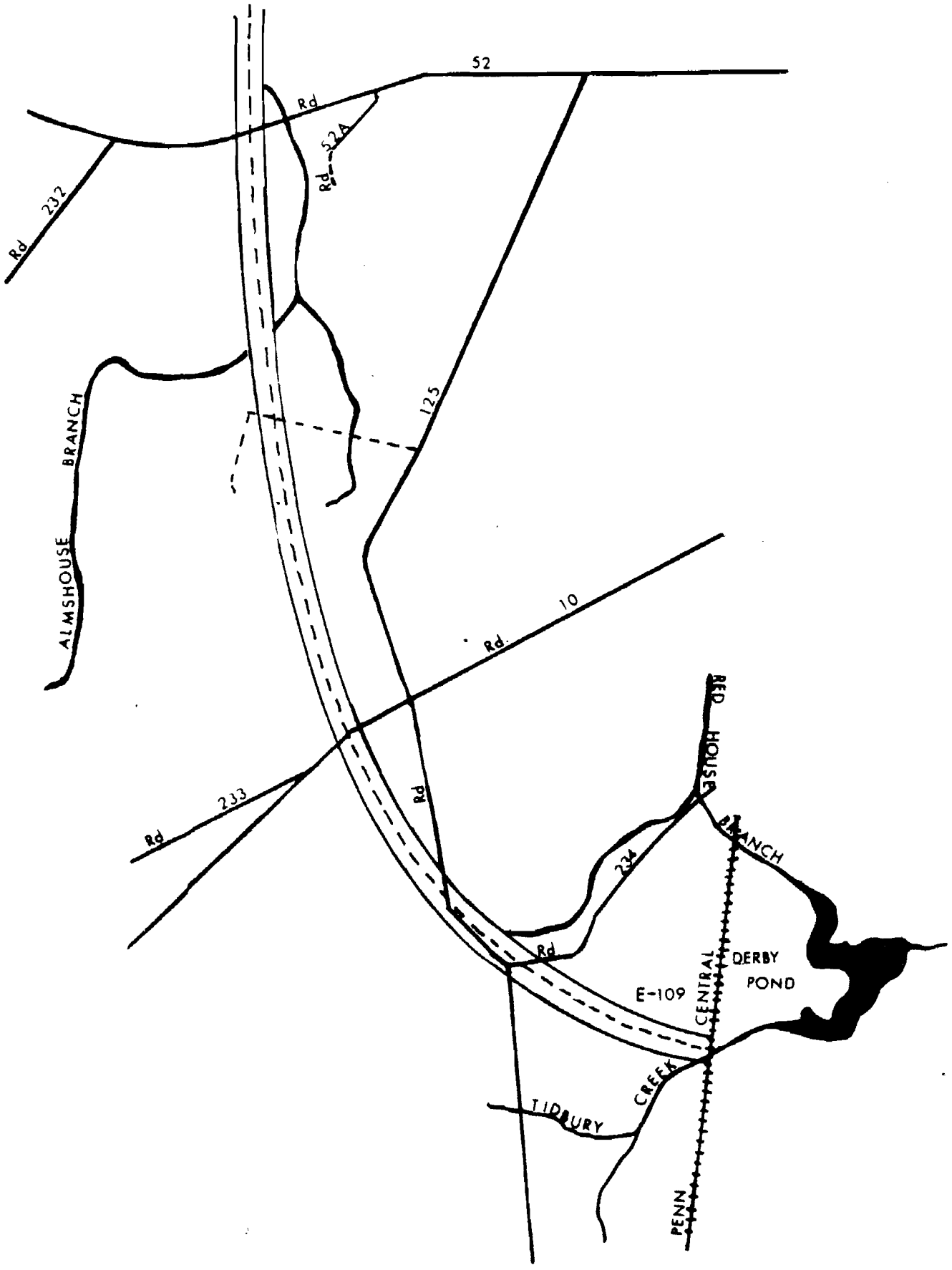
CREEK

c

D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Rd
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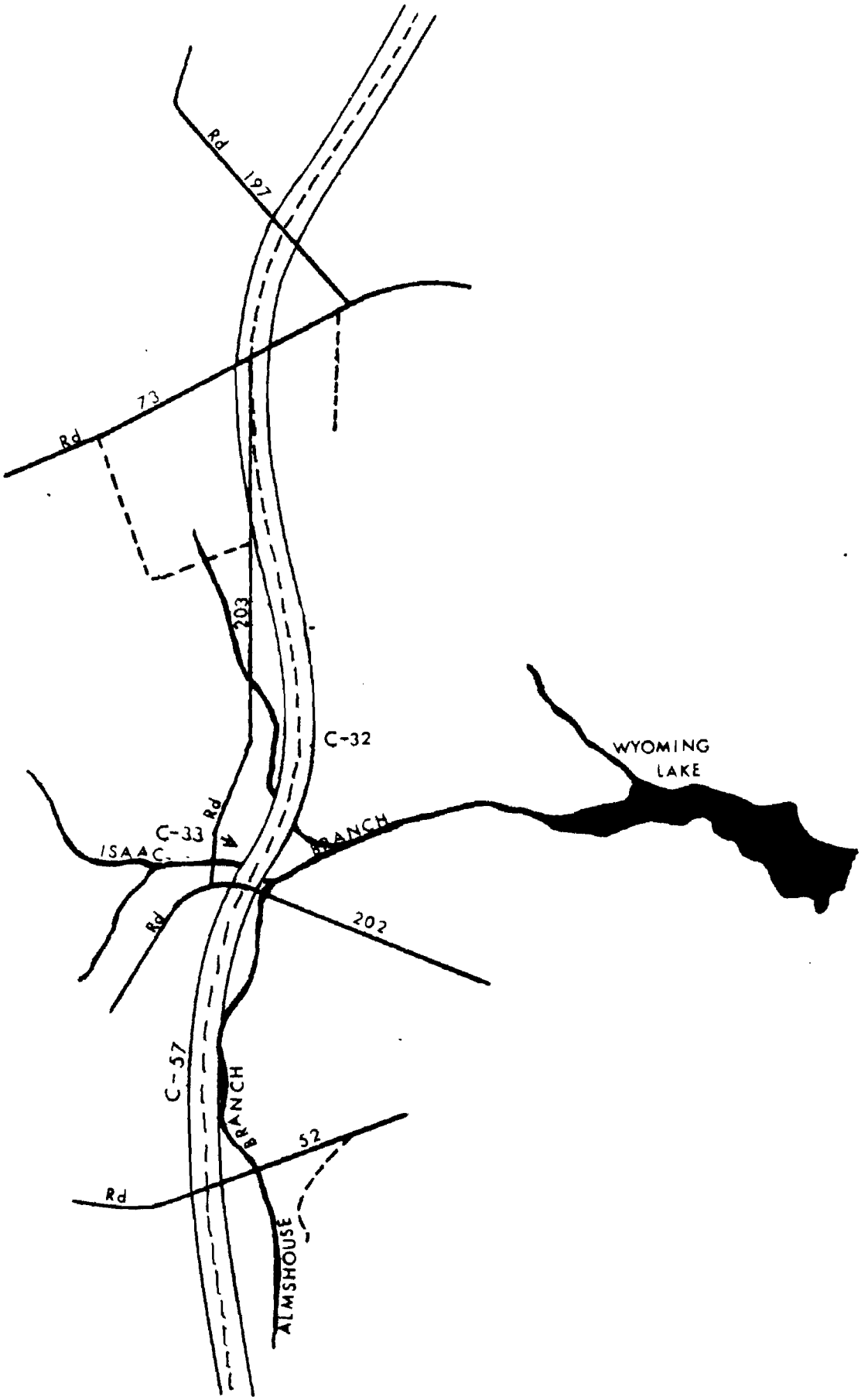
TIDBURY
PENN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Rd
ALMSHOUSE

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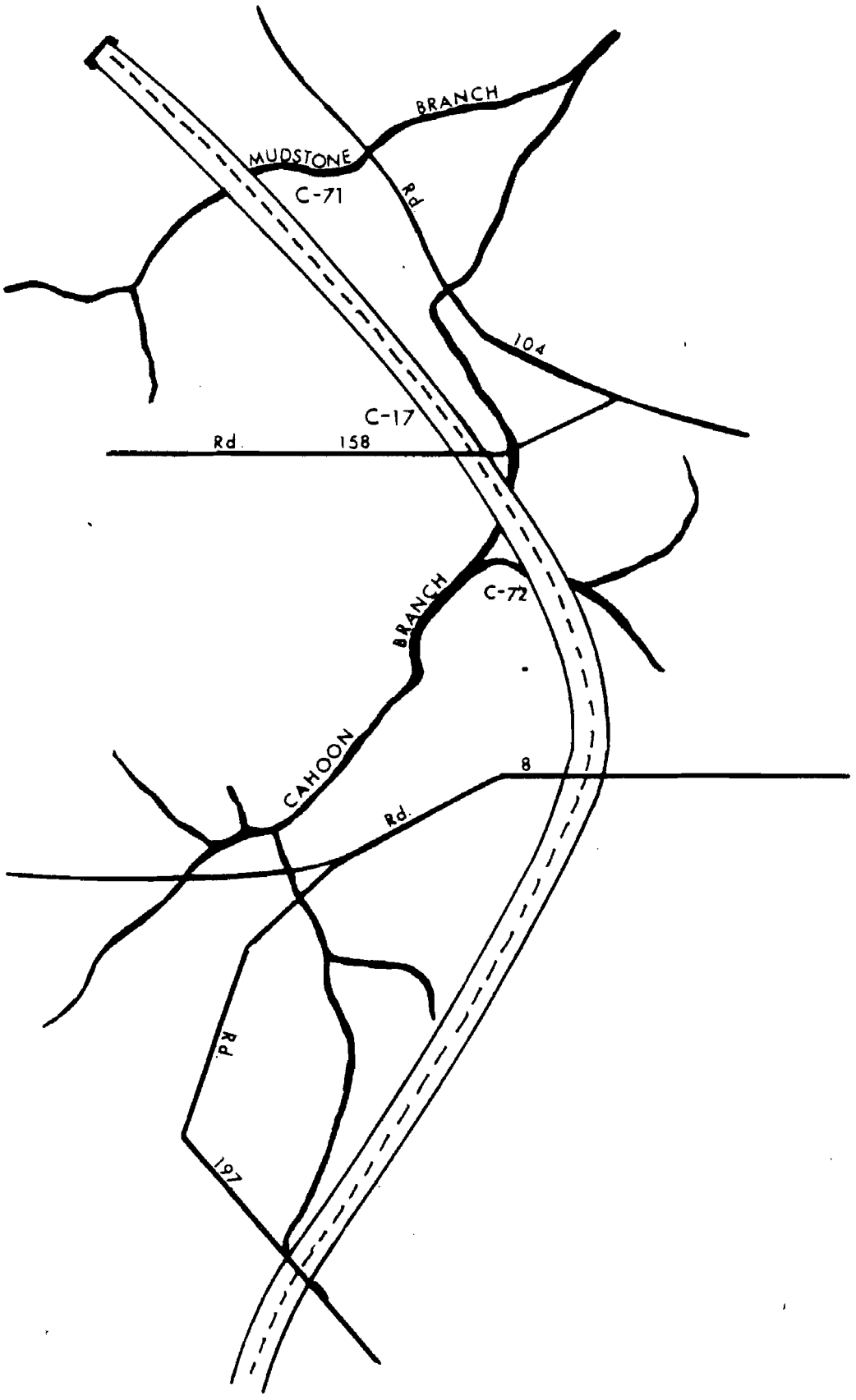
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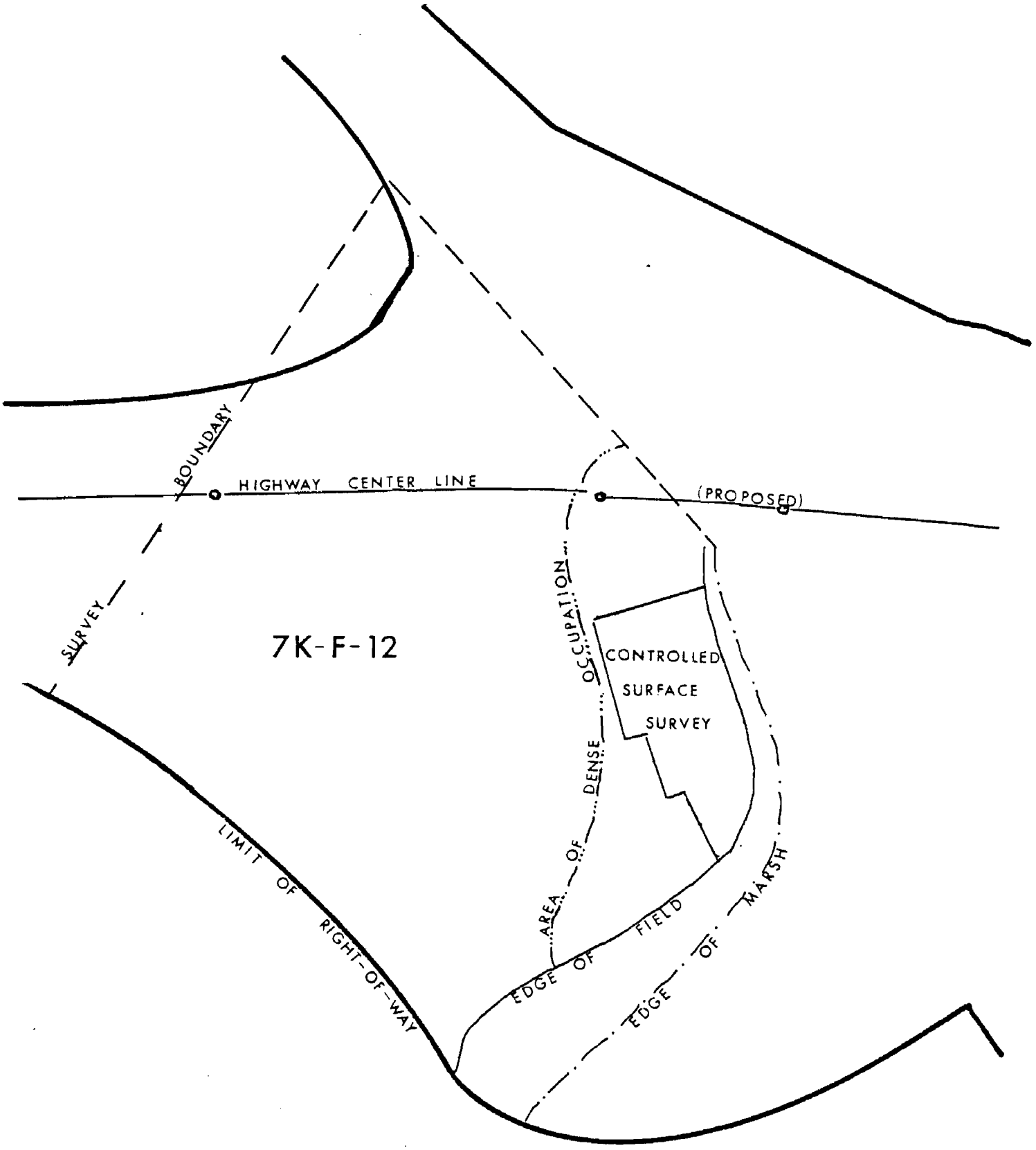
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SURFACE
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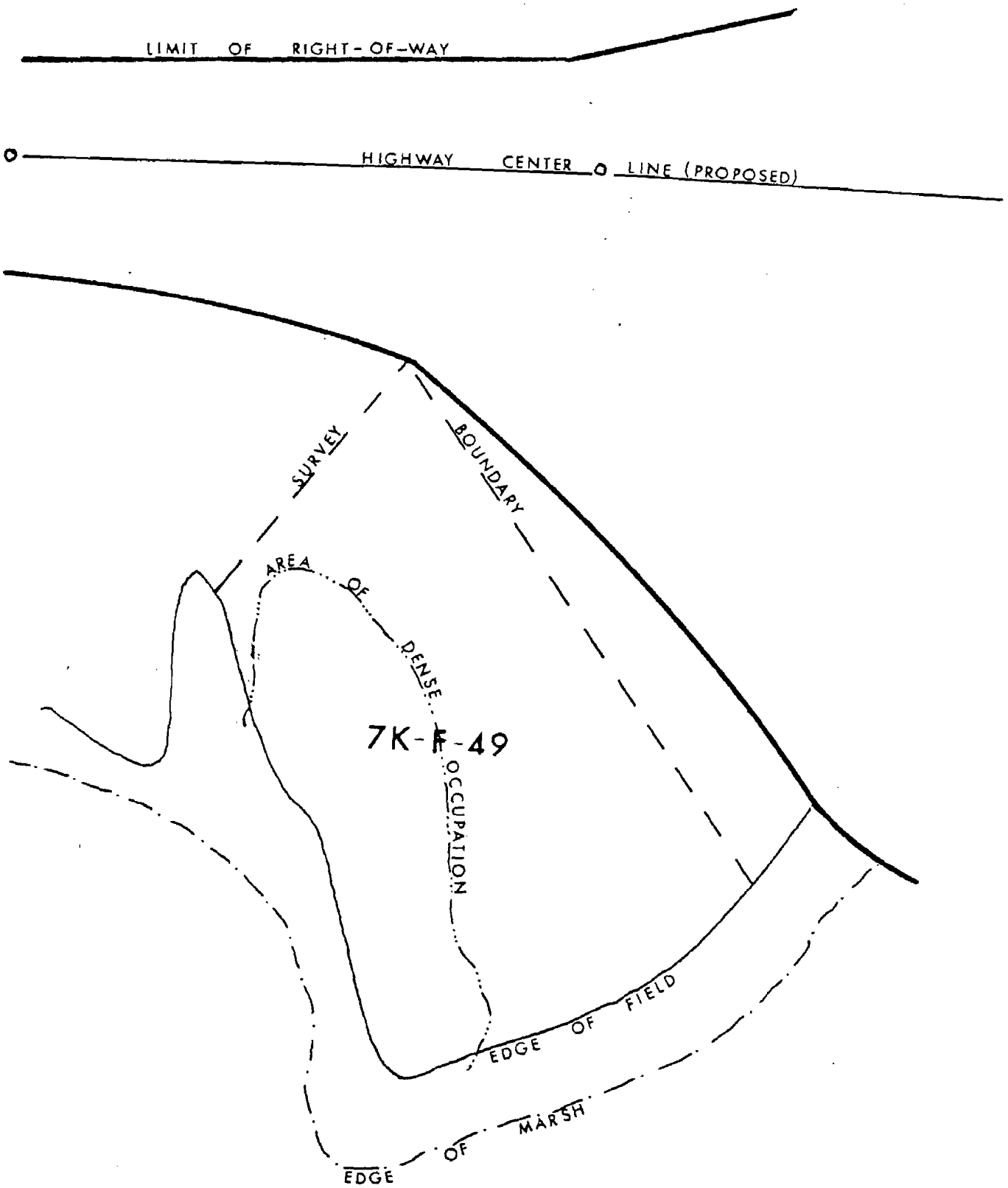
AREA OF
LIMIT OF RIGHT-OF-WAY
EDGE OF FIELD
EDGE OF MARSH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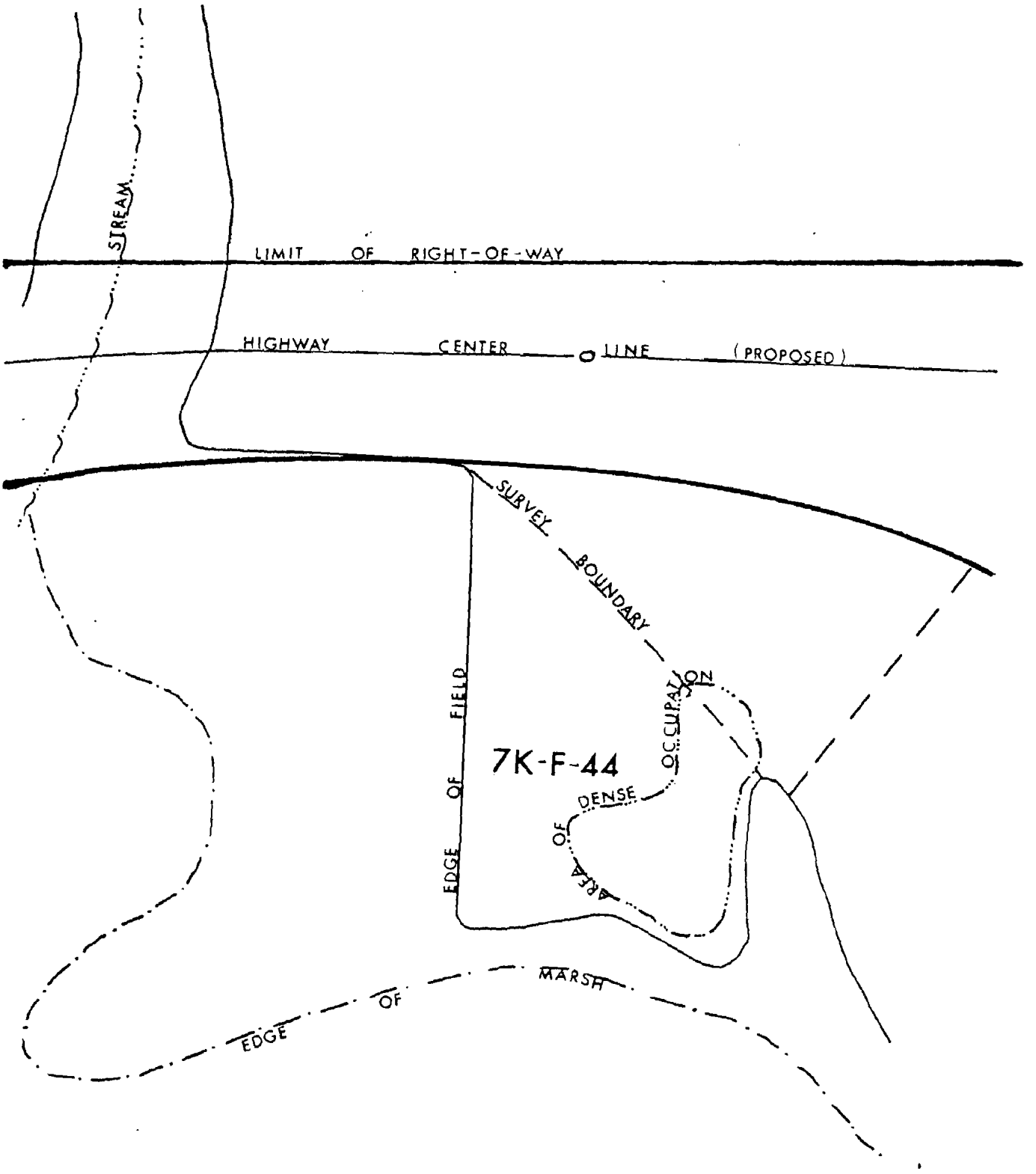
EDGE OF MARSH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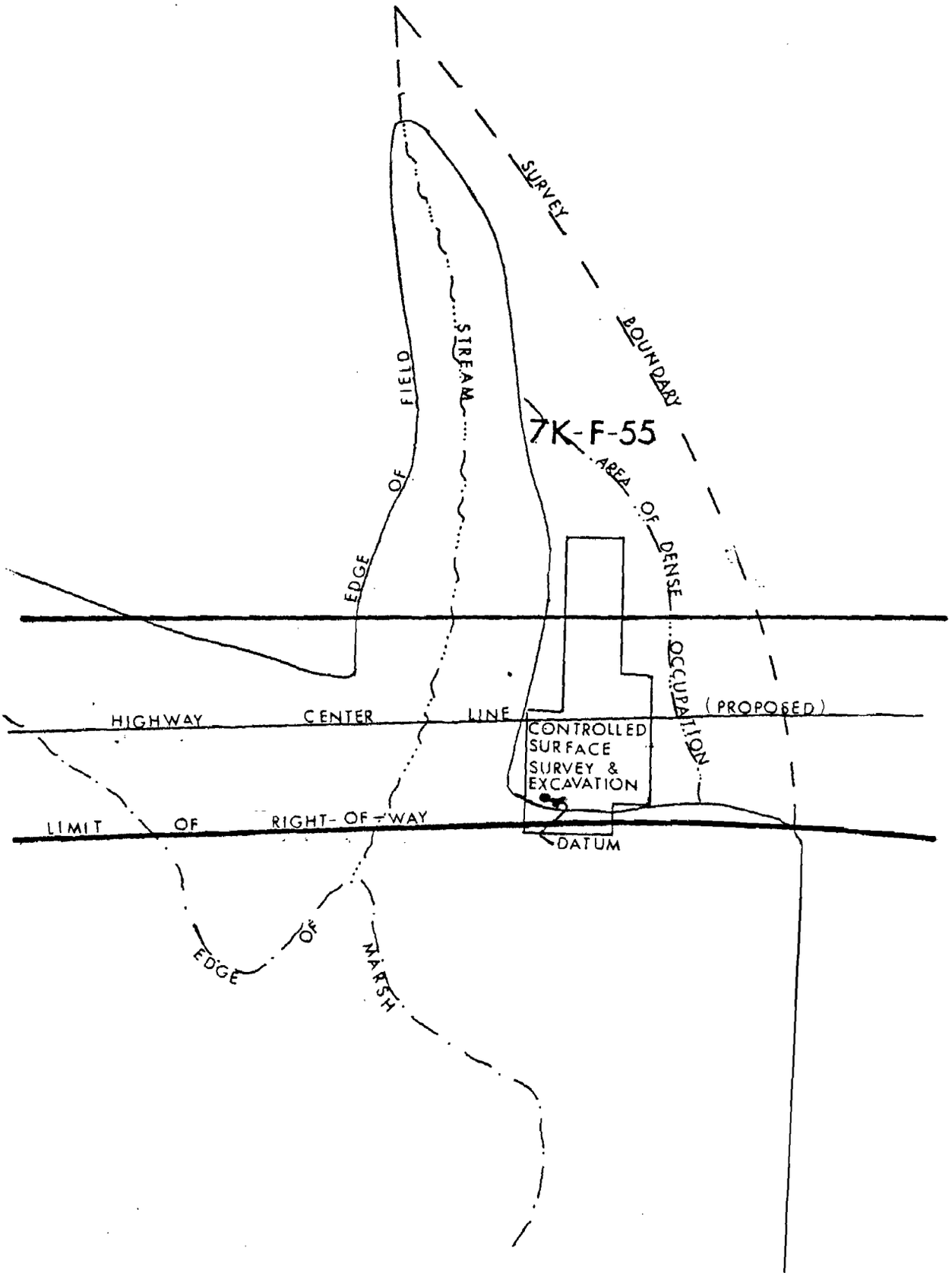
AREA OF
EDGE OF MARSH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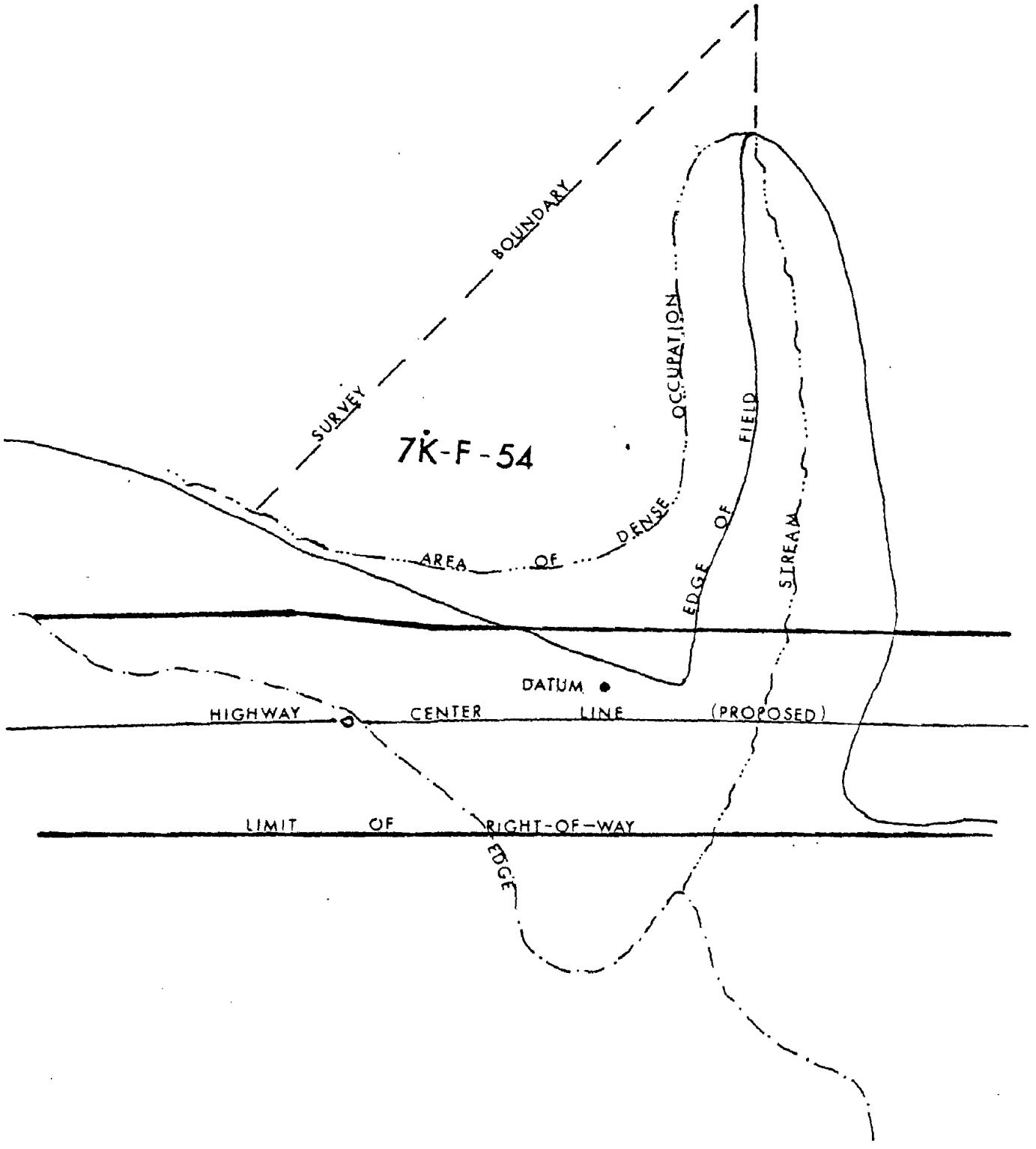
LIMIT OF RIGHT-OF-WAY
EDGE OF MARSH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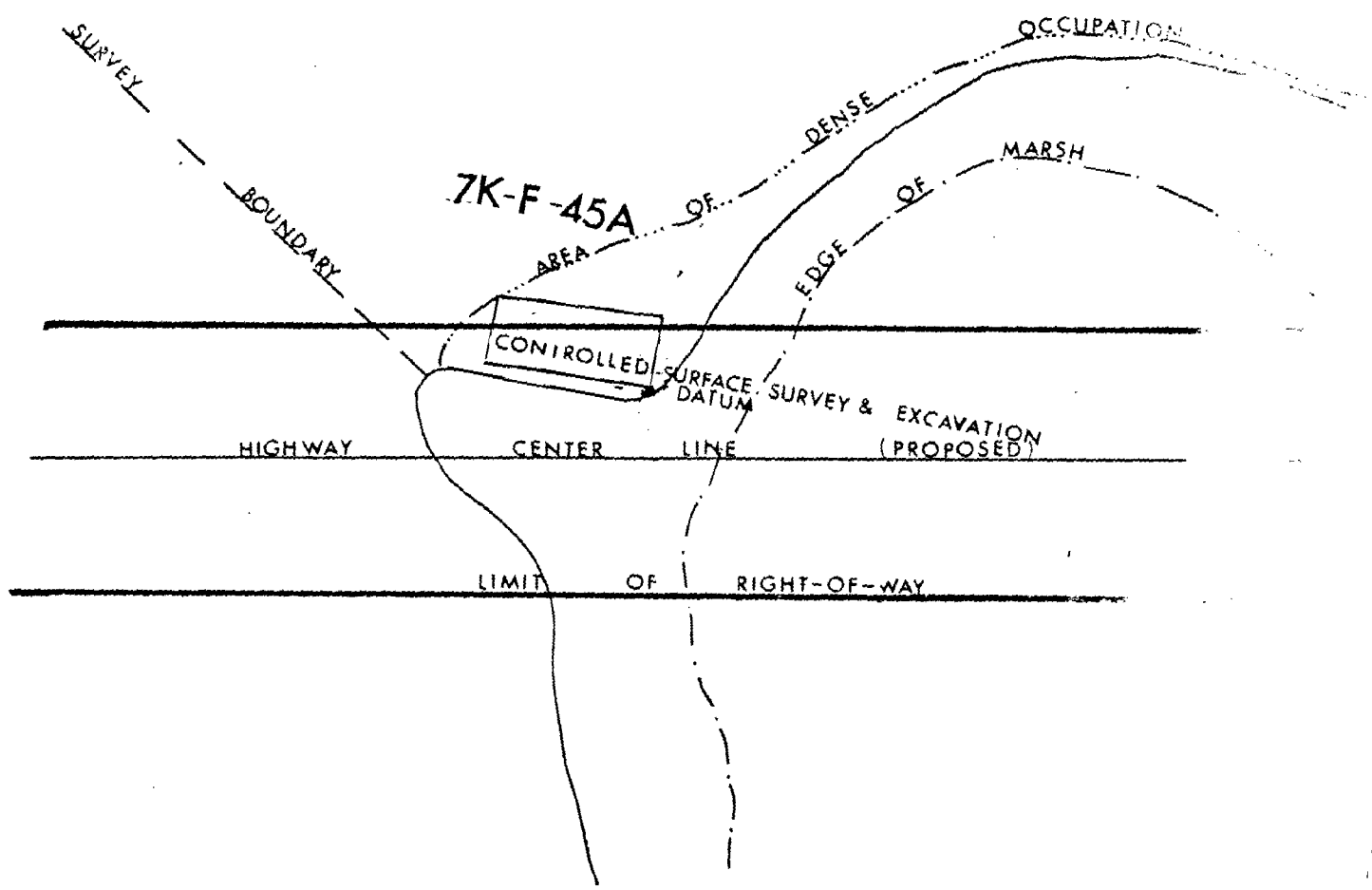
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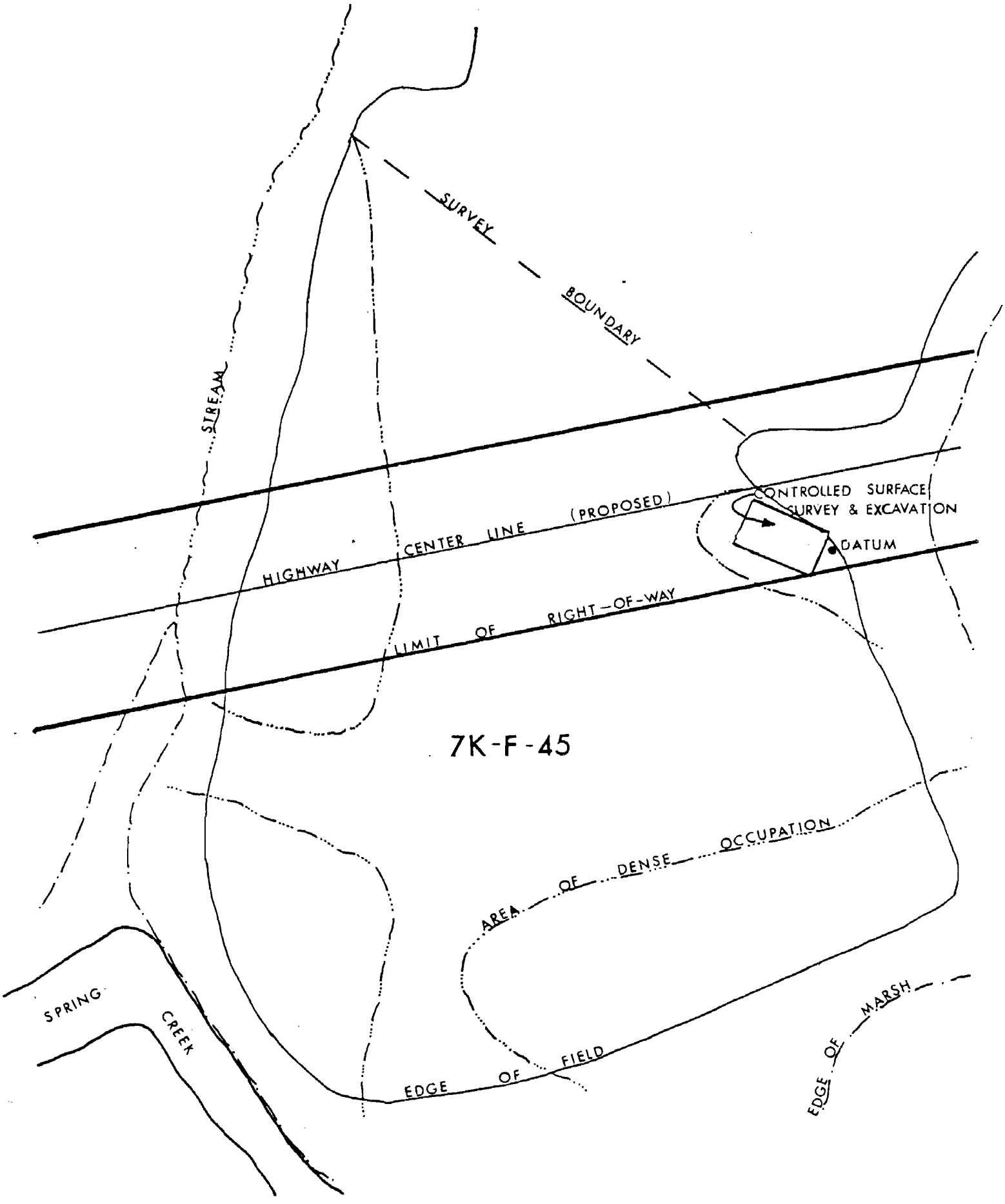
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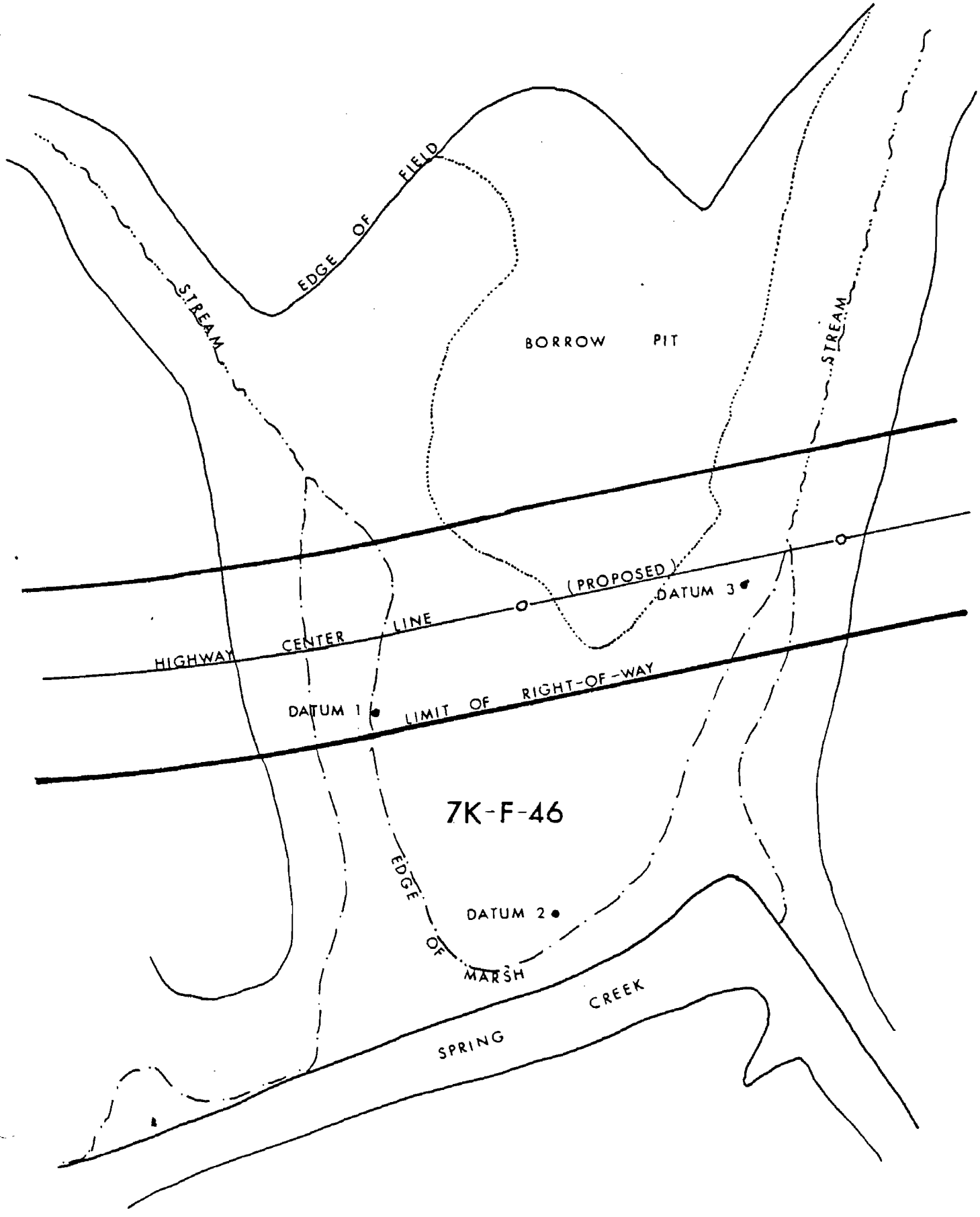
EDGE OF FIELD
EDGE OF MARSH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DATUM 2
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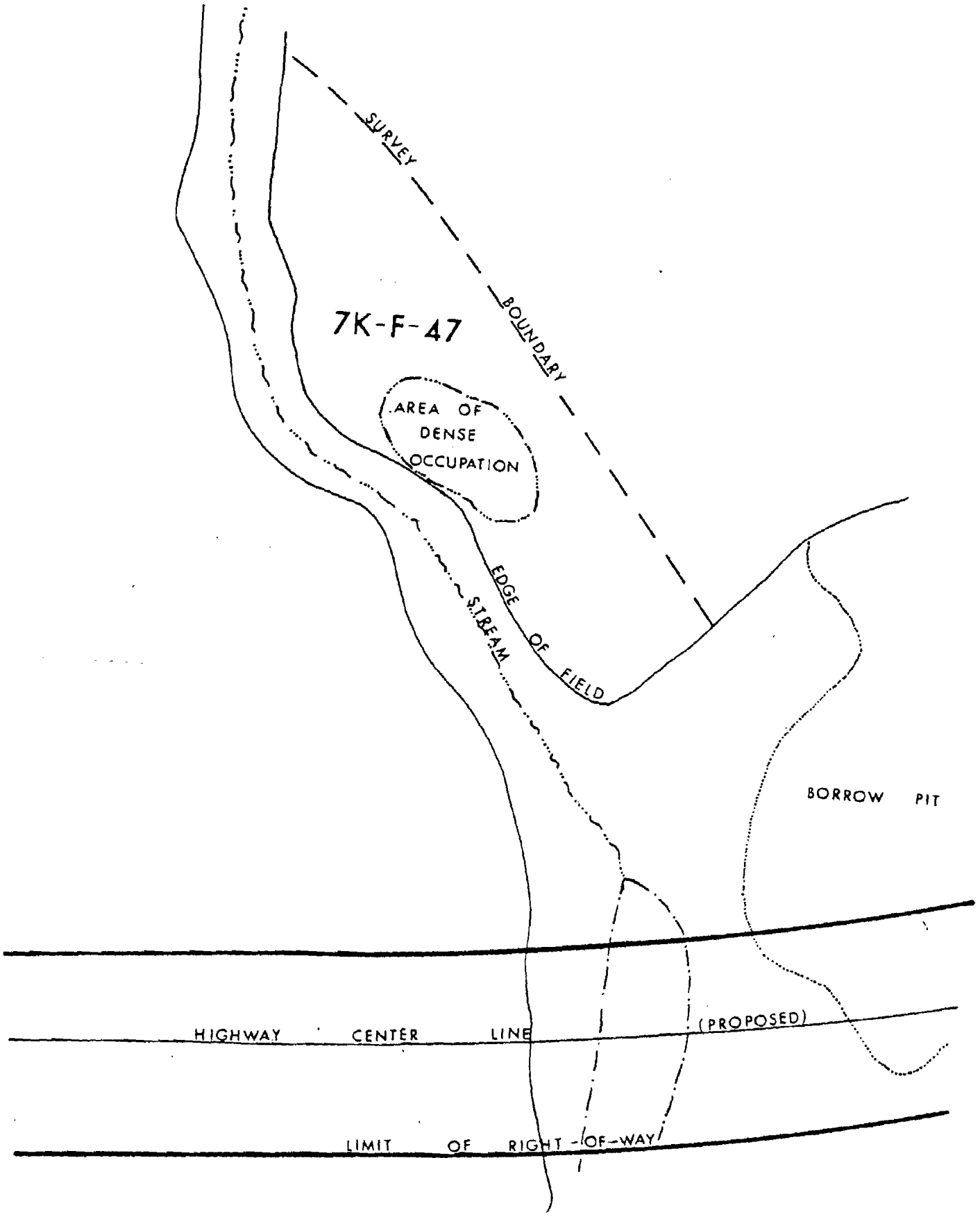
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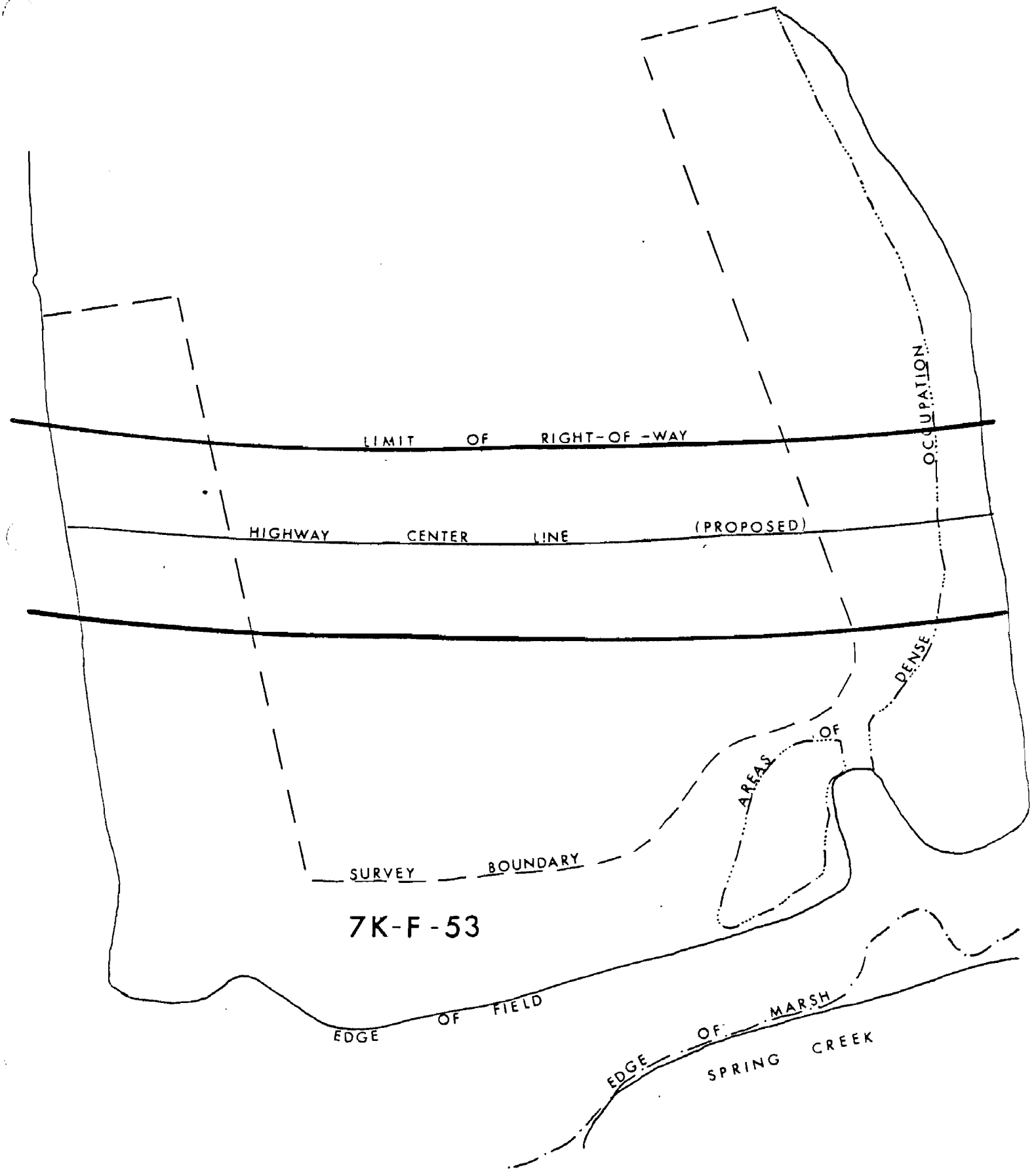
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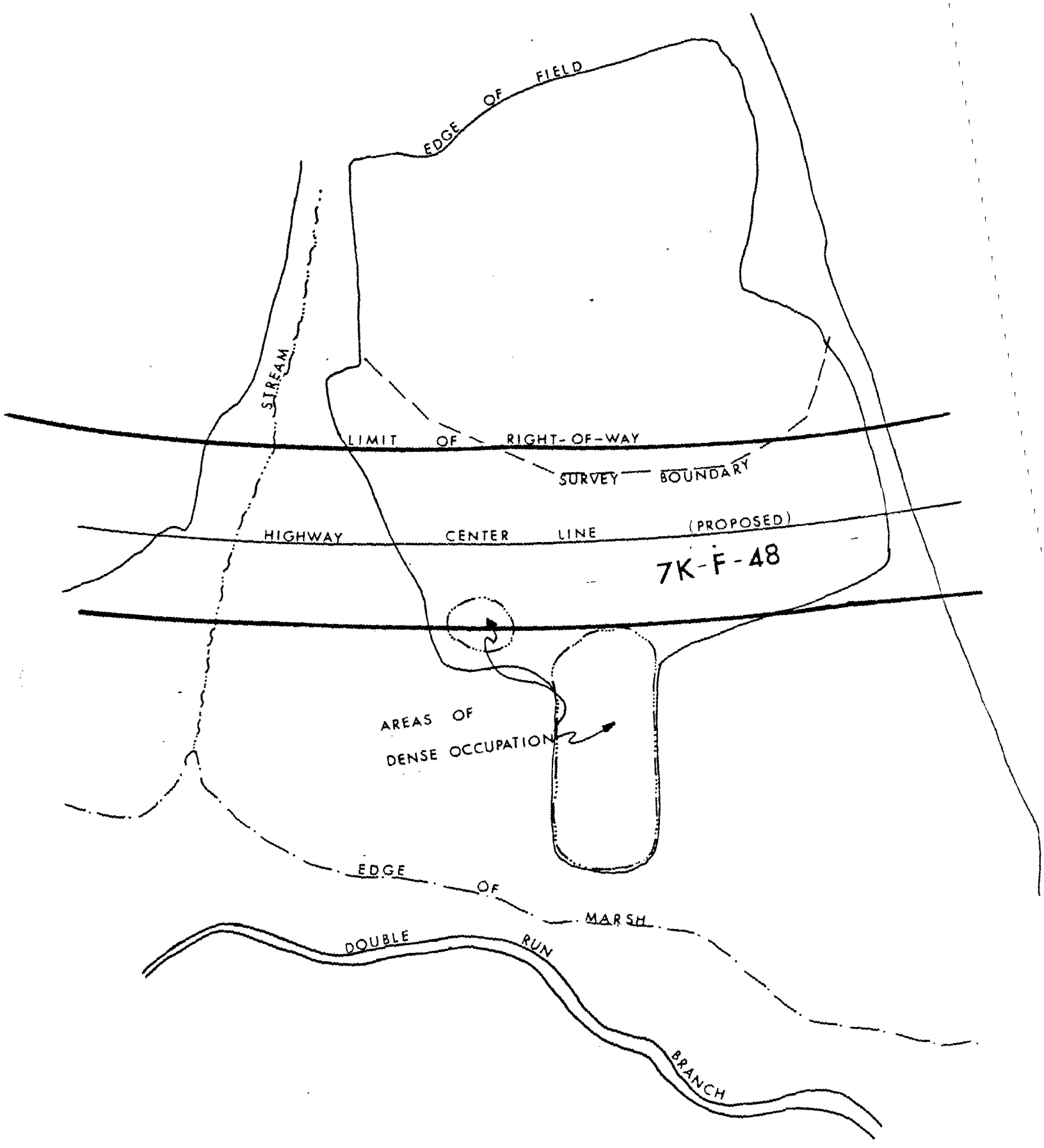
EDGE OF FIELD
EDGE OF MARSH
SPRING CREEK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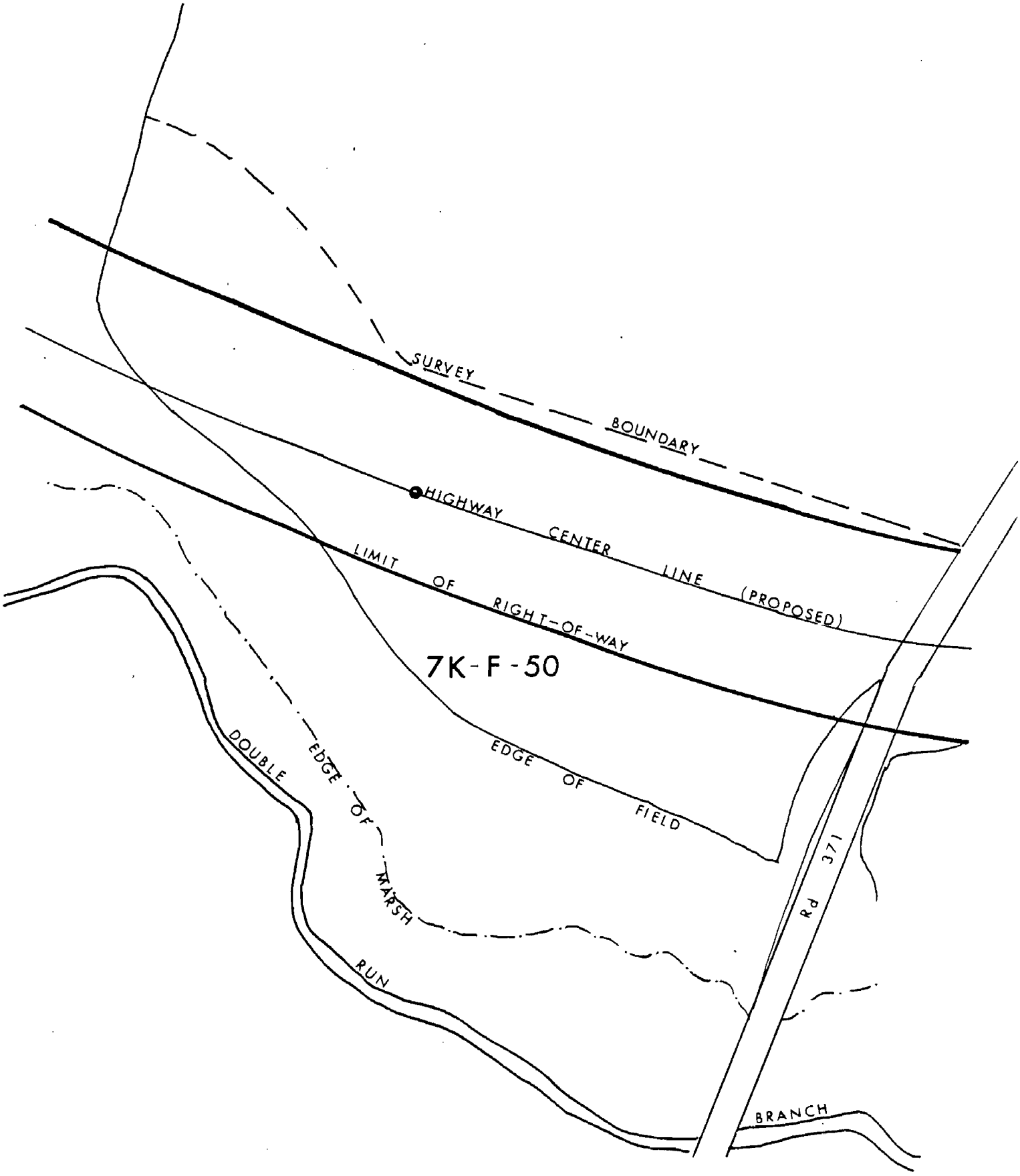
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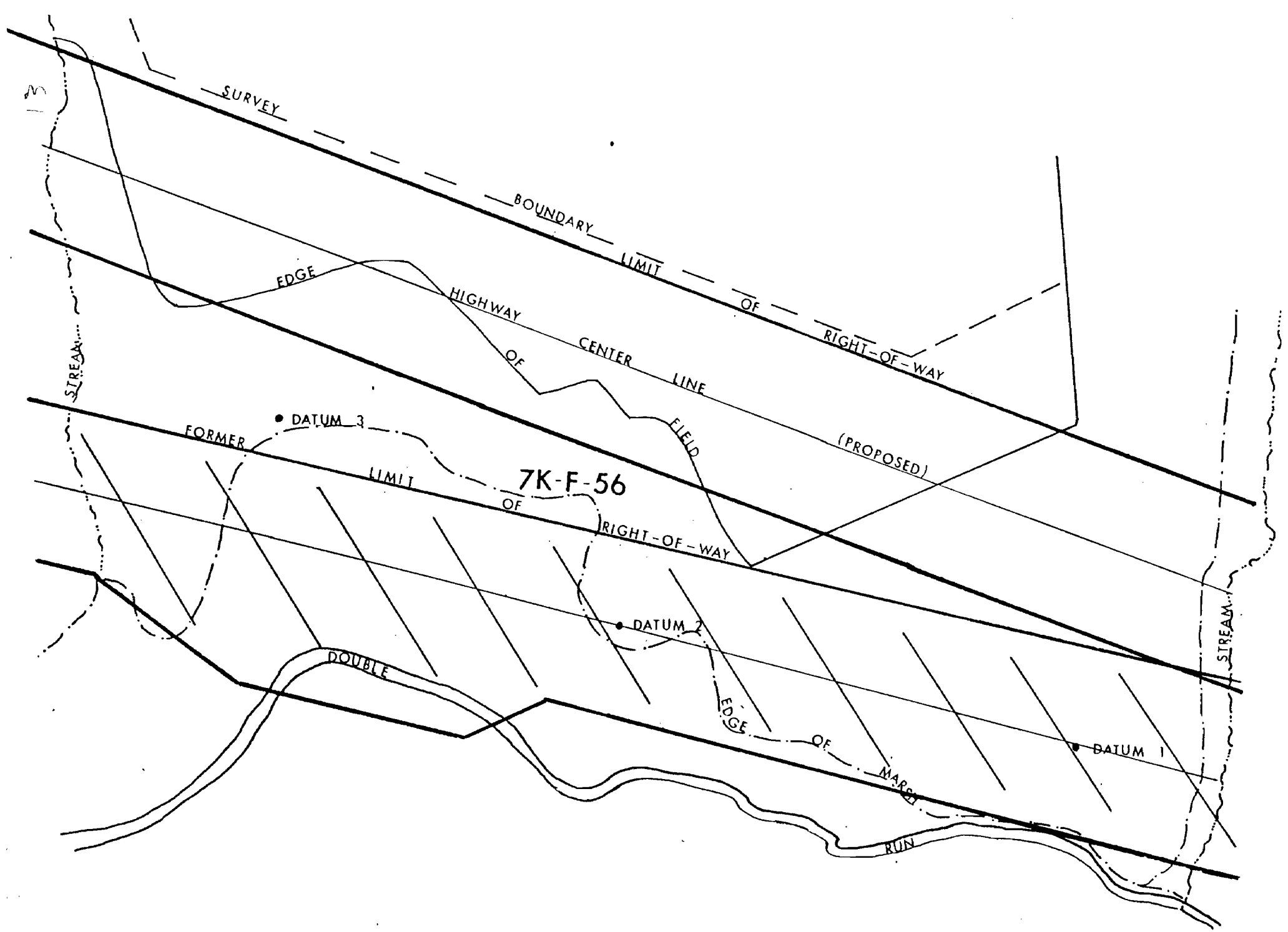
EDGE OF MARSH
DOUBLE RUN
Rd 371
BRANCH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STREAM
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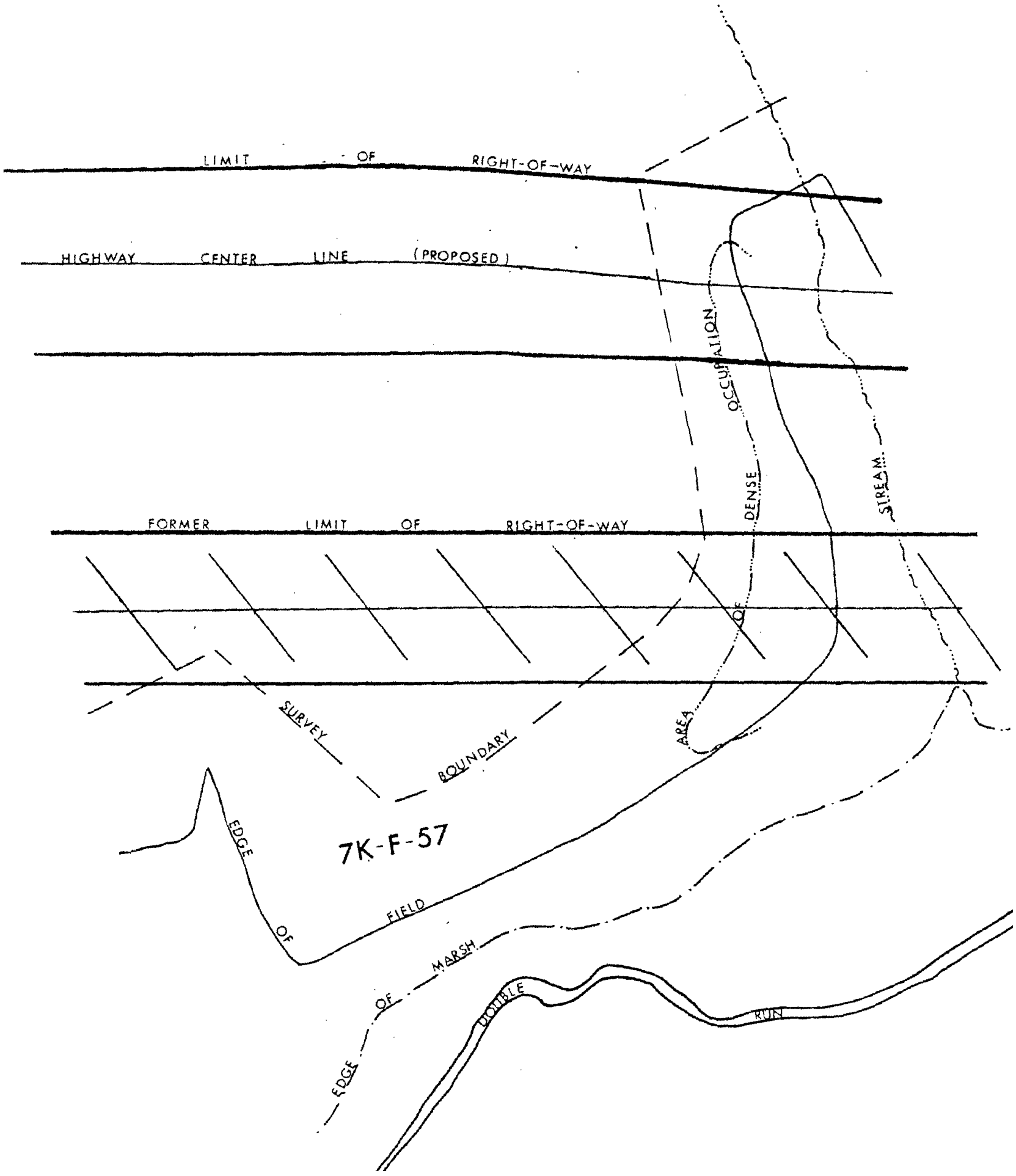
DATUM 1
STREAM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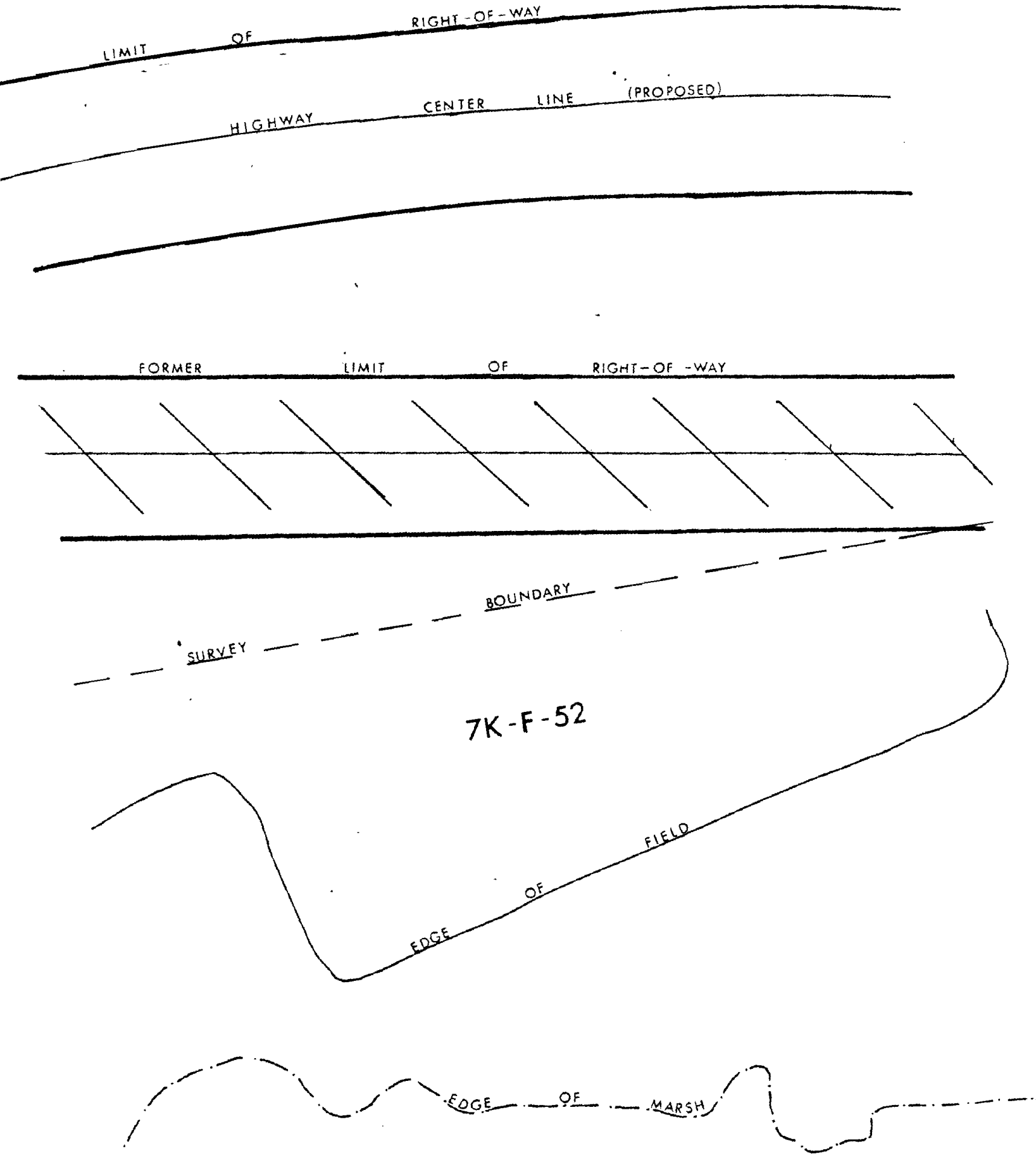
EDGE OF FIELD
EDGE OF MARSH
DOUBLE RUN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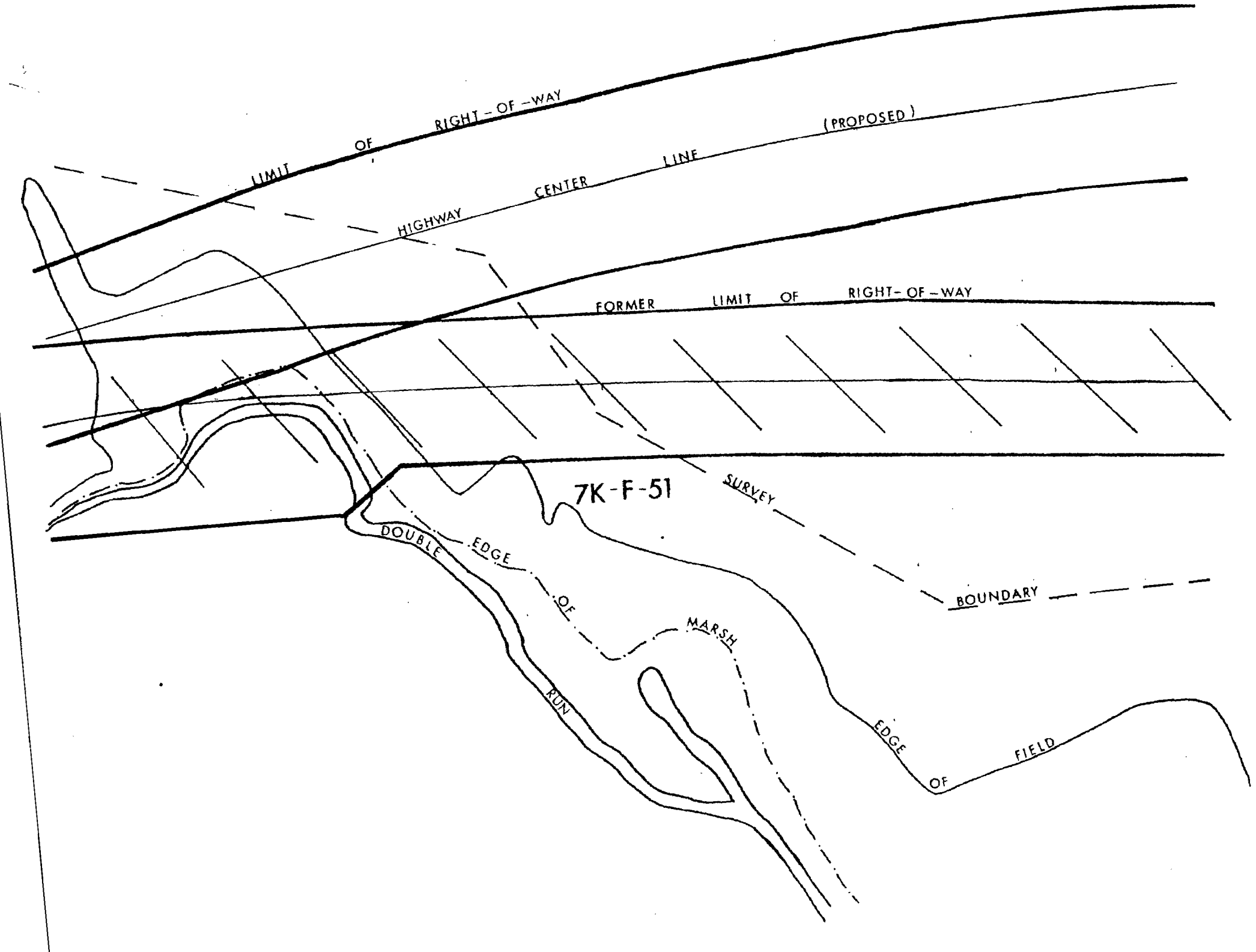
EDGE OF FIELD
EDGE OF MARSH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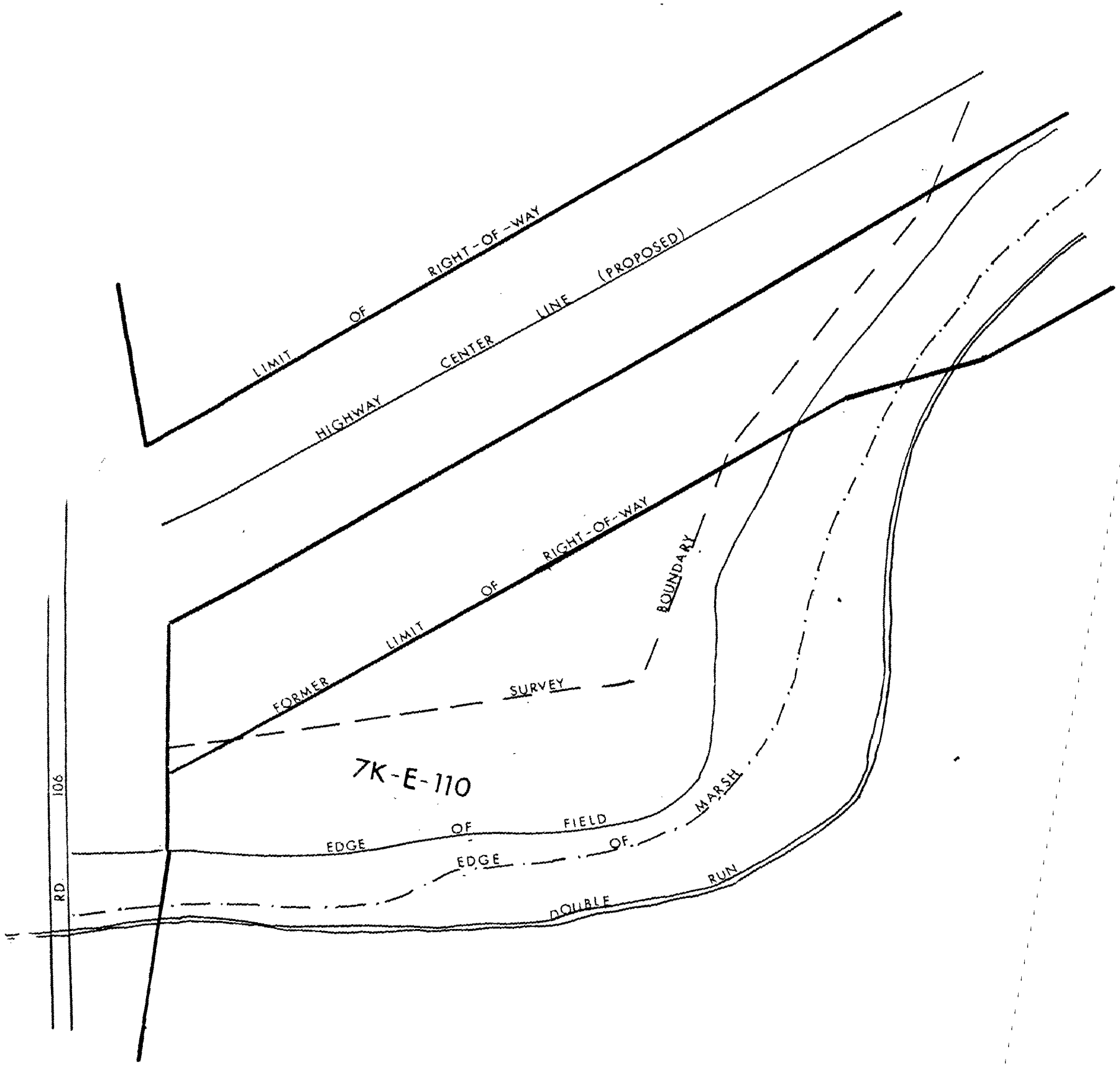
EDGE OF MARSH
EDGE OF FIELD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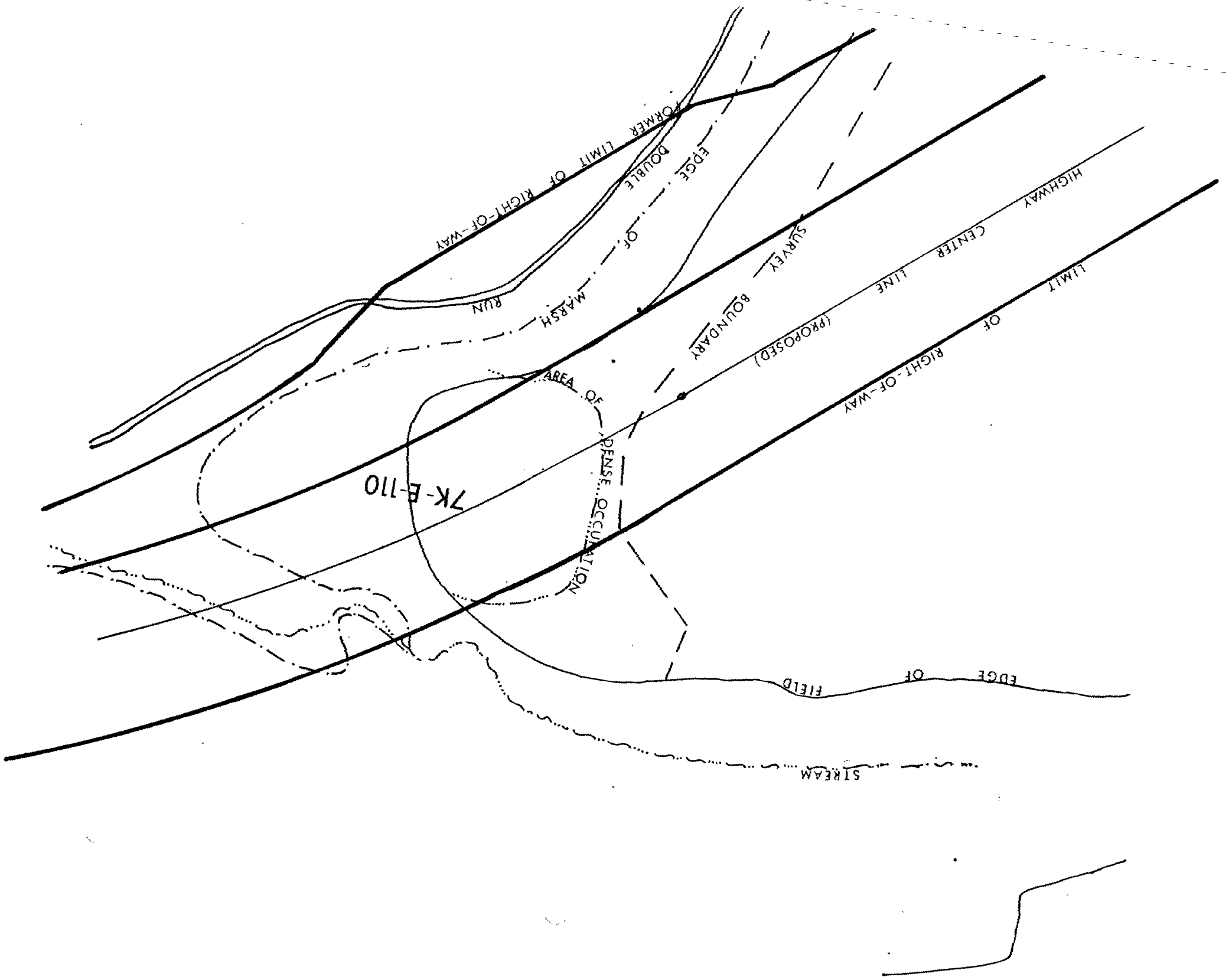
BOUNDARY
7K-E-110
EDGE OF FIELD
EDGE OF MARSH
DOUBLE RUN
106
RD.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DOUBLE
EDGE
OF
MARSH
RUN
SURVEY
BOUNDARY
(PROPOSED)
CENTER LINE
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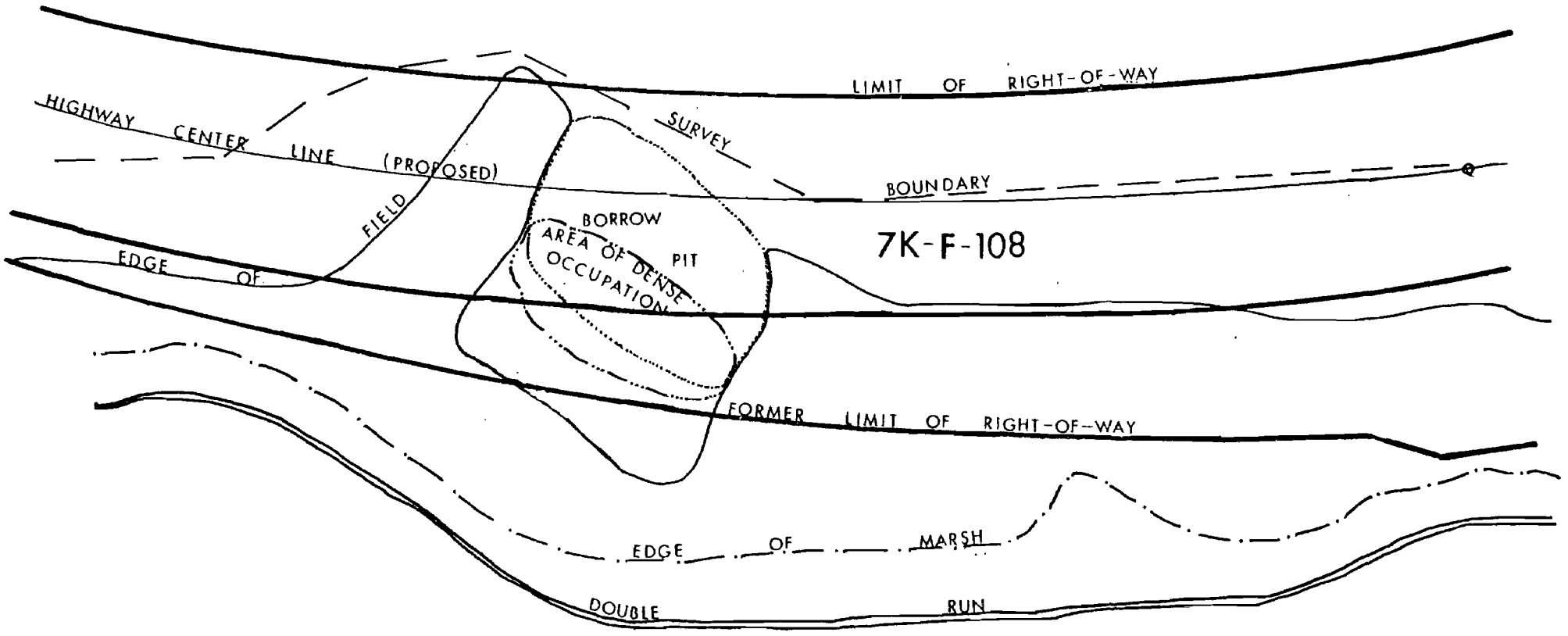
LIMIT
OF
RIGHT-OF-WAY
AREA OF
DENSE OCCUPATION
7K-E-110
EDGE OF FIELD
STREAM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BOUNDARY
FIELD
BORROW
PIT
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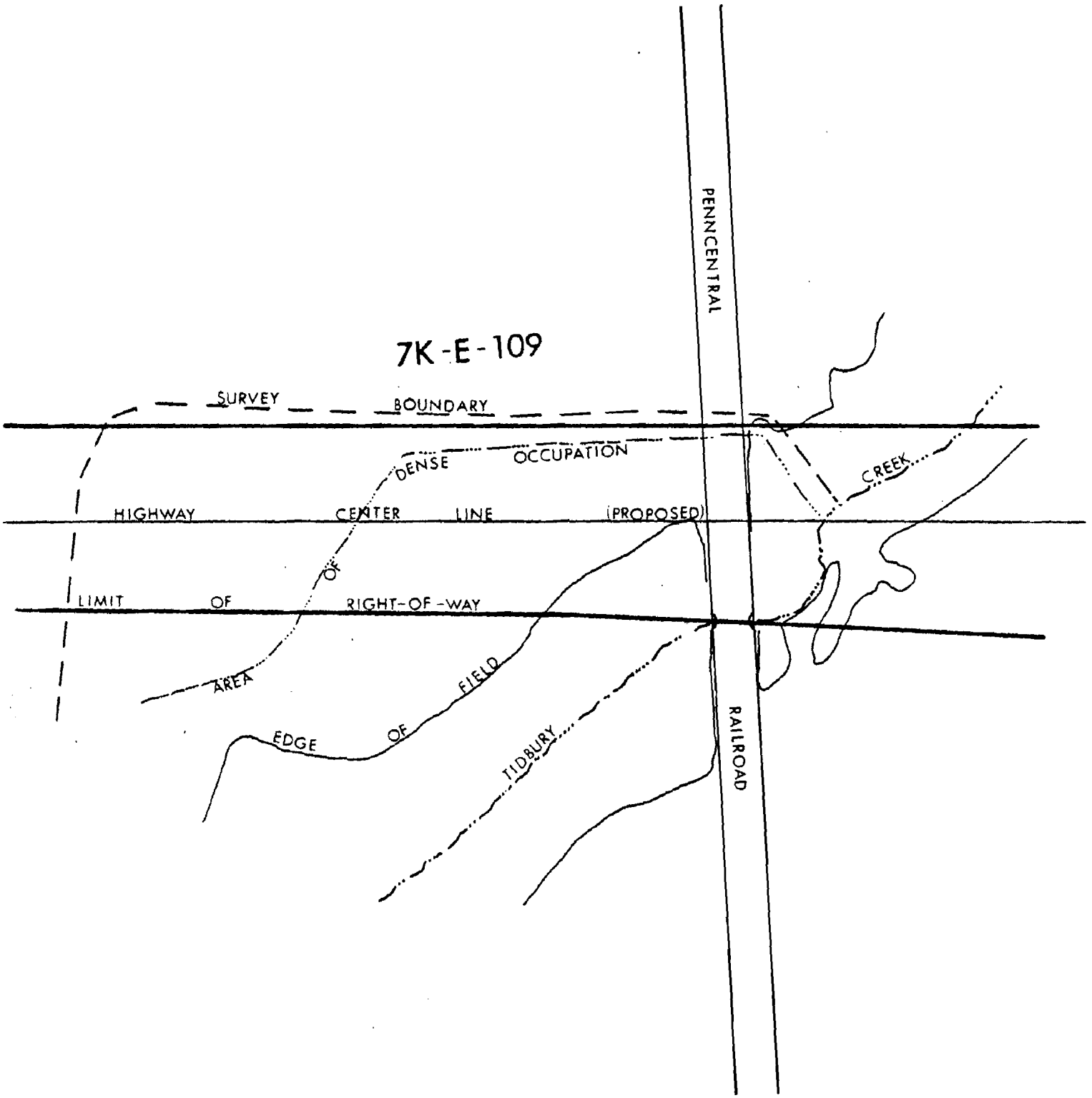
EDGE OF
FORMER LIMIT OF RIGHT-OF-WAY
EDGE OF MARSH
DOUBLE RUN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DENSE OCCUPATION
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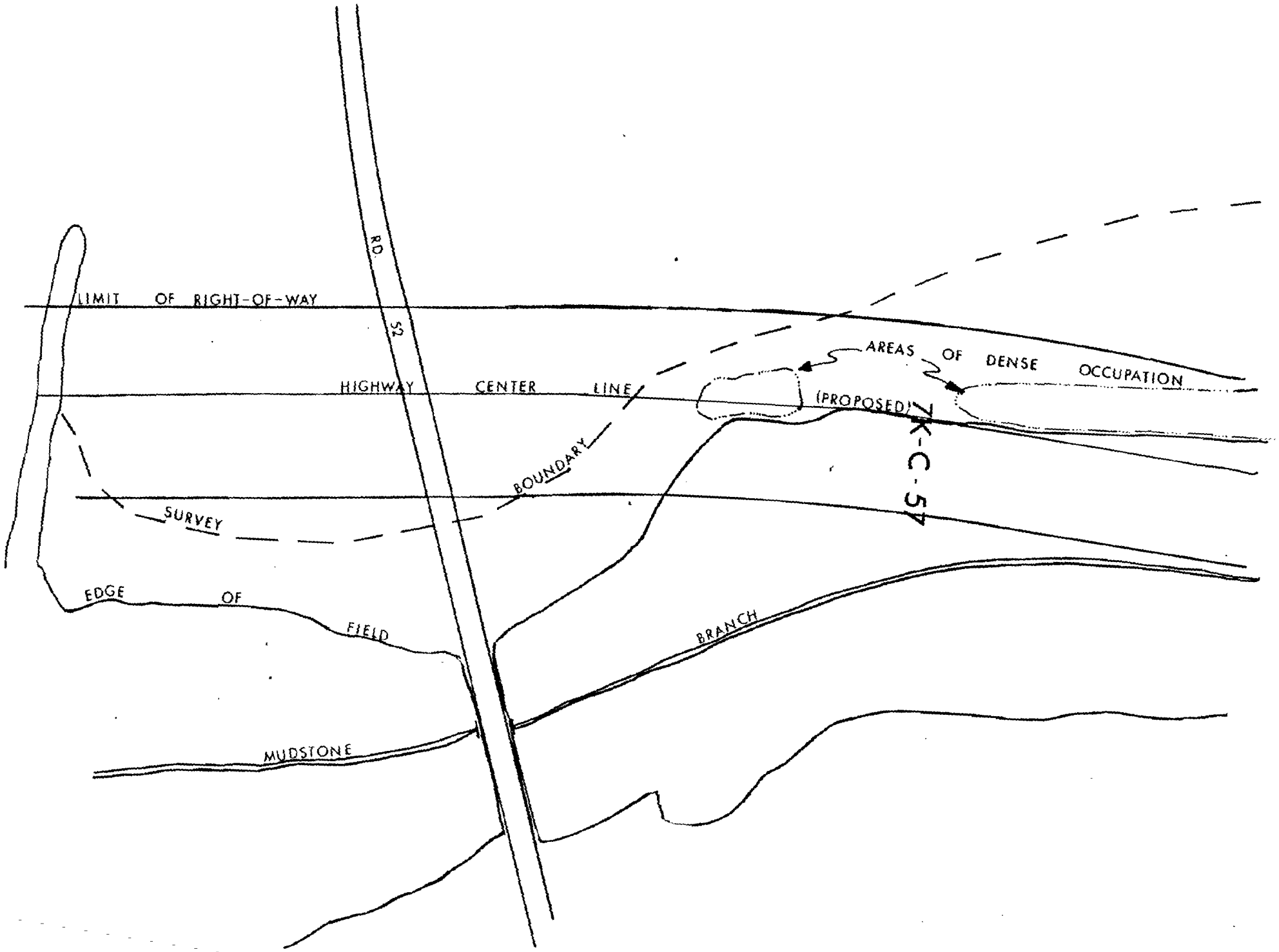
CREEK
PENNCENTRAL
RAILROAD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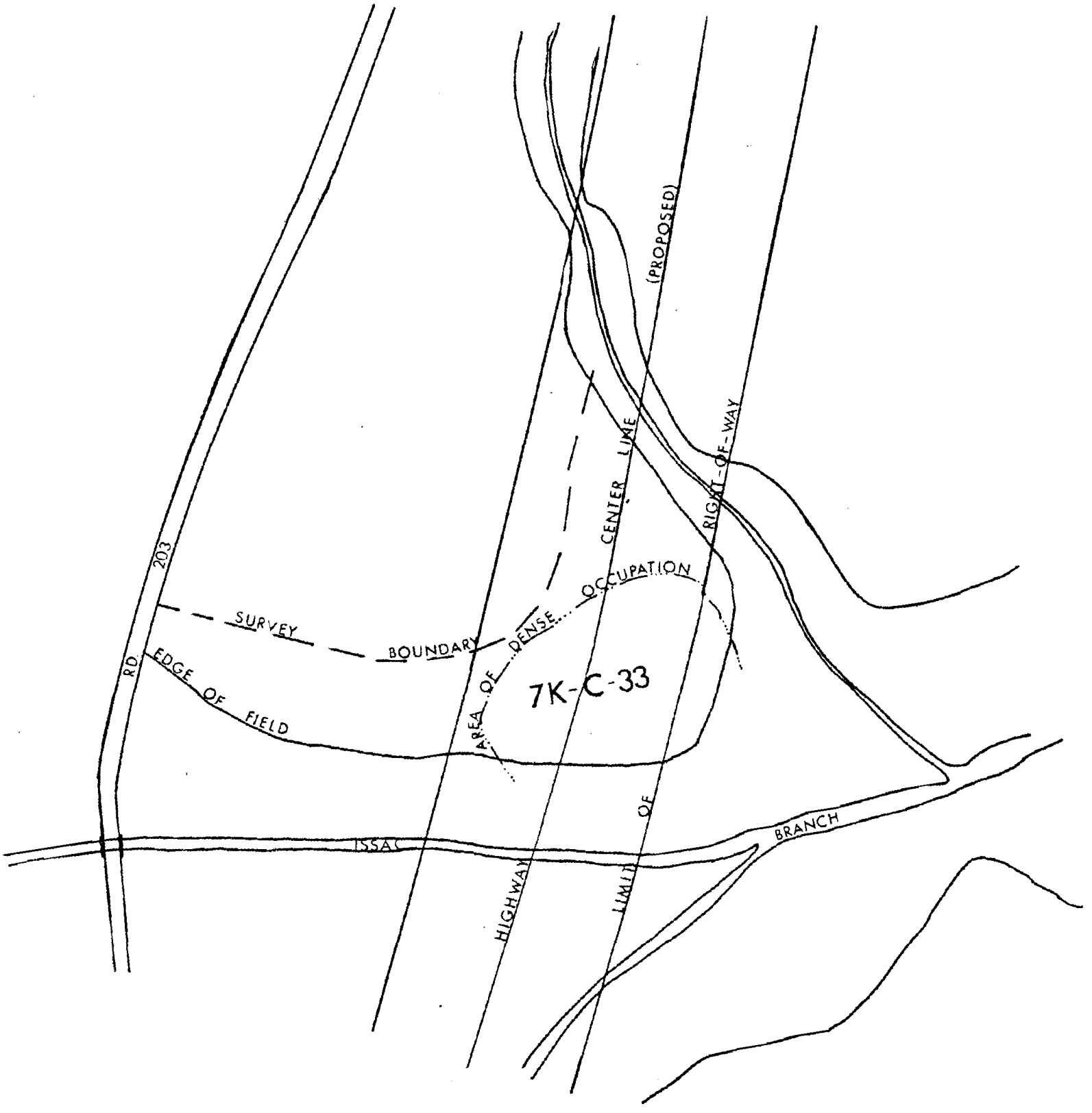
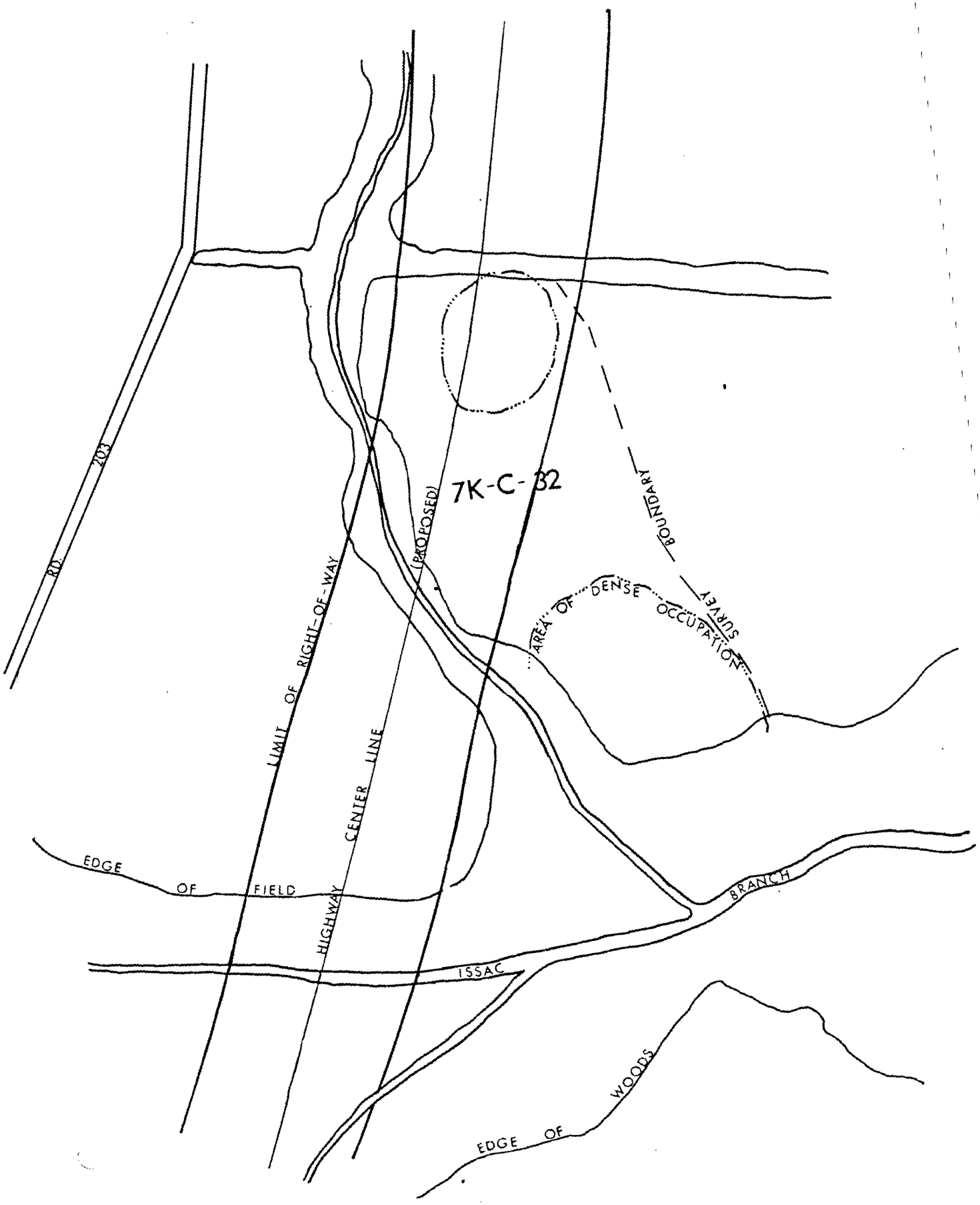
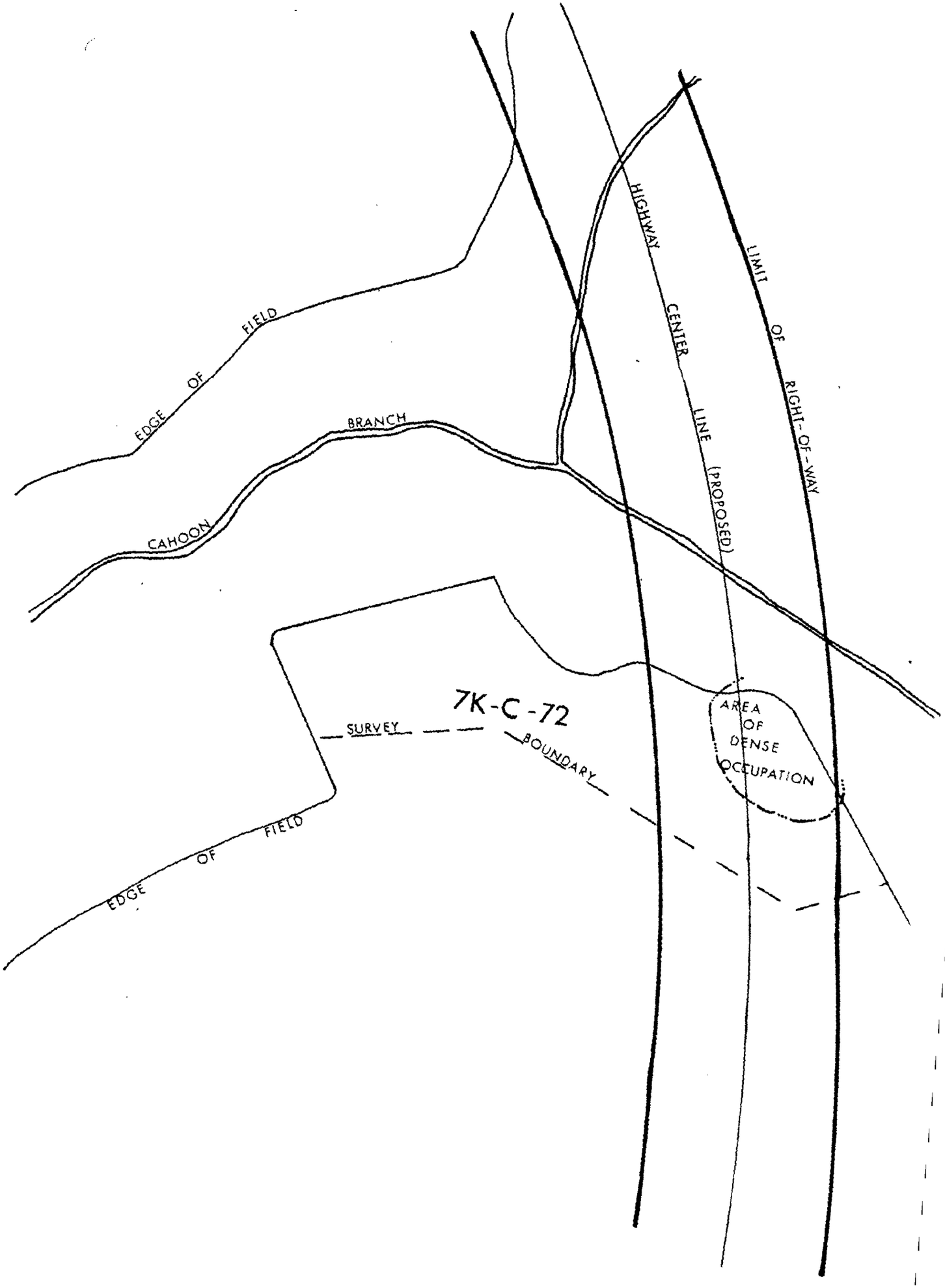
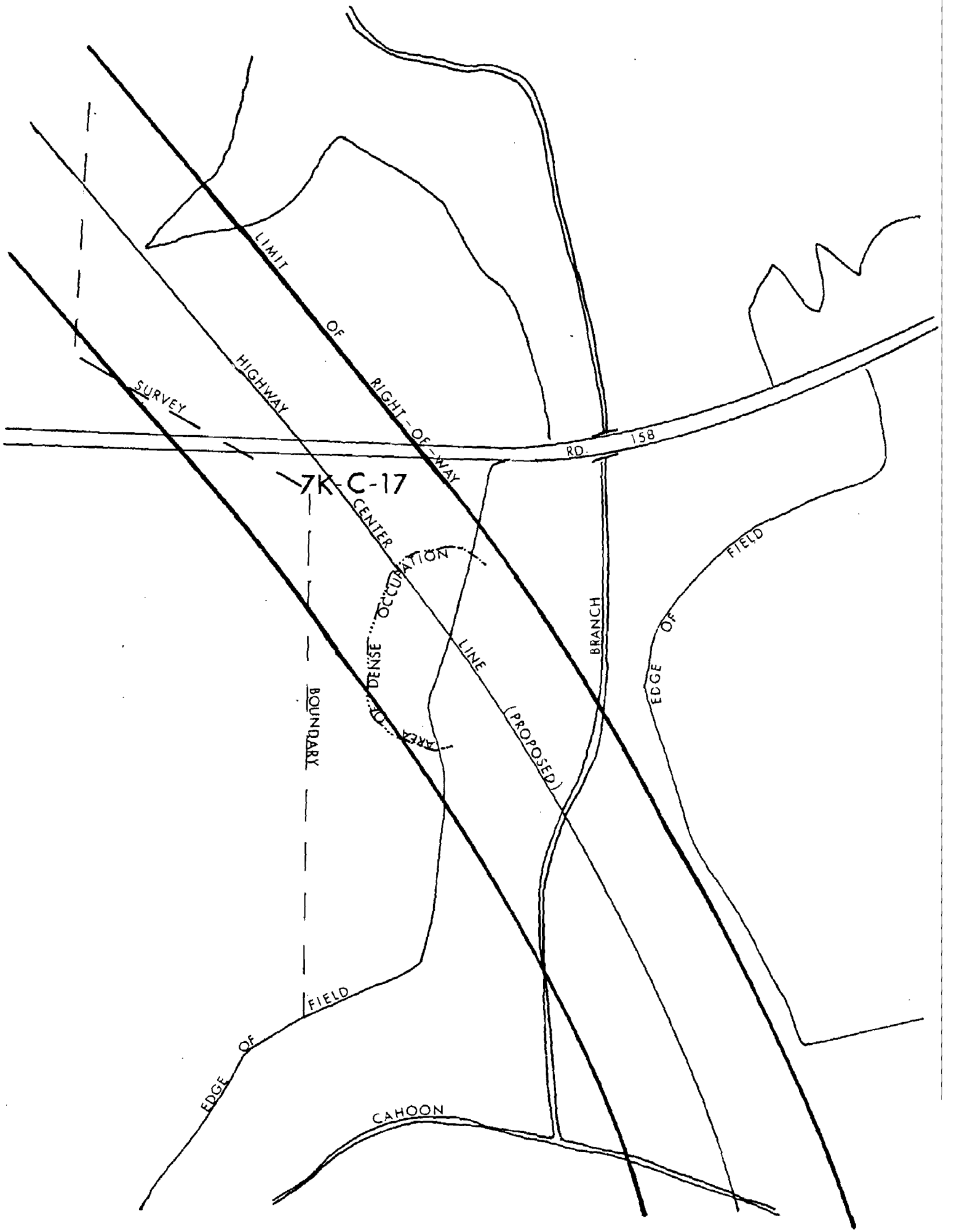
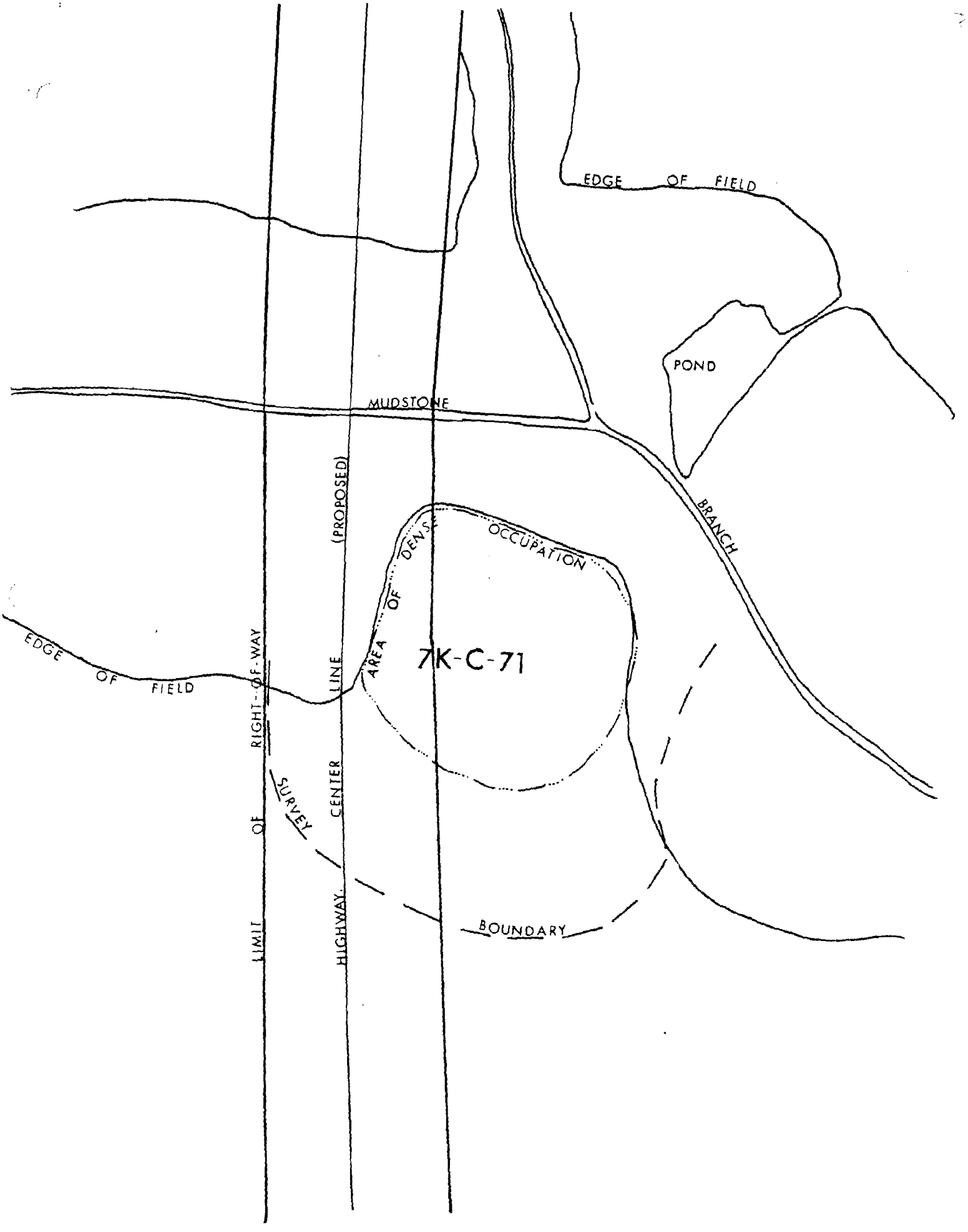
HIGHWAY CENTER LINE
AREAS OF DENSE OCCUPATION
(PROPOSED)
7K-C-54
BOUNDARY
SURVEY
EDGE OF FIELD
BRANCH
MUDSTONE


203
RD
SURVEY
BOUNDARY
EDGE OF FIELD
AREA OF DENSE OCCUPATION
7K-C-33
CENTER LINE
(PROPOSED)
RIGHT-OF-WAY
ISSAC
BRANCH
HIGHWAY
LIMIT OF


7K-C-32
RD. 203
LIMIT OF RIGHT-OF-WAY
CENTER LINE
HIGHWAY
(PROPOSED)
BOUNDARY
SURVEY
AREA OF DENSE OCCUPATION
EDGE OF FIELD
ISSAC
BRANCH
EDGE OF WOODS


EDGE OF FIELD
BRANCH
CAHOON
HIGHWAY CENTER LINE (PROPOSED)
LIMIT OF RIGHT-OF-WAY
7K-C-72
SURVEY BOUNDARY
AREA OF DENSE OCCUPATION
EDGE OF FIELD


LIMIT OF RIGHT-OF-WAY
HIGHWAY
SURVEY
RD. 158
7K-C-17
CENTER LINE (PROPOSED)
DENSE OCCUPATION AREA
BOUNDARY
BRANCH
EDGE OF FIELD
EDGE OF FIELD
CAHOON


EDGE OF FIELD
POND
MUDSTONE
BRANCH
(PROPOSED)
AREA OF DENSE OCCUPATION
7K-C-71
EDGE OF FIELD
LIMIT OF RIGHT-OF-WAY
HIGHWAY CENTER LINE
SURVEY
BOUNDARY