EPA Region 5 Records Ctr.
247095

000013
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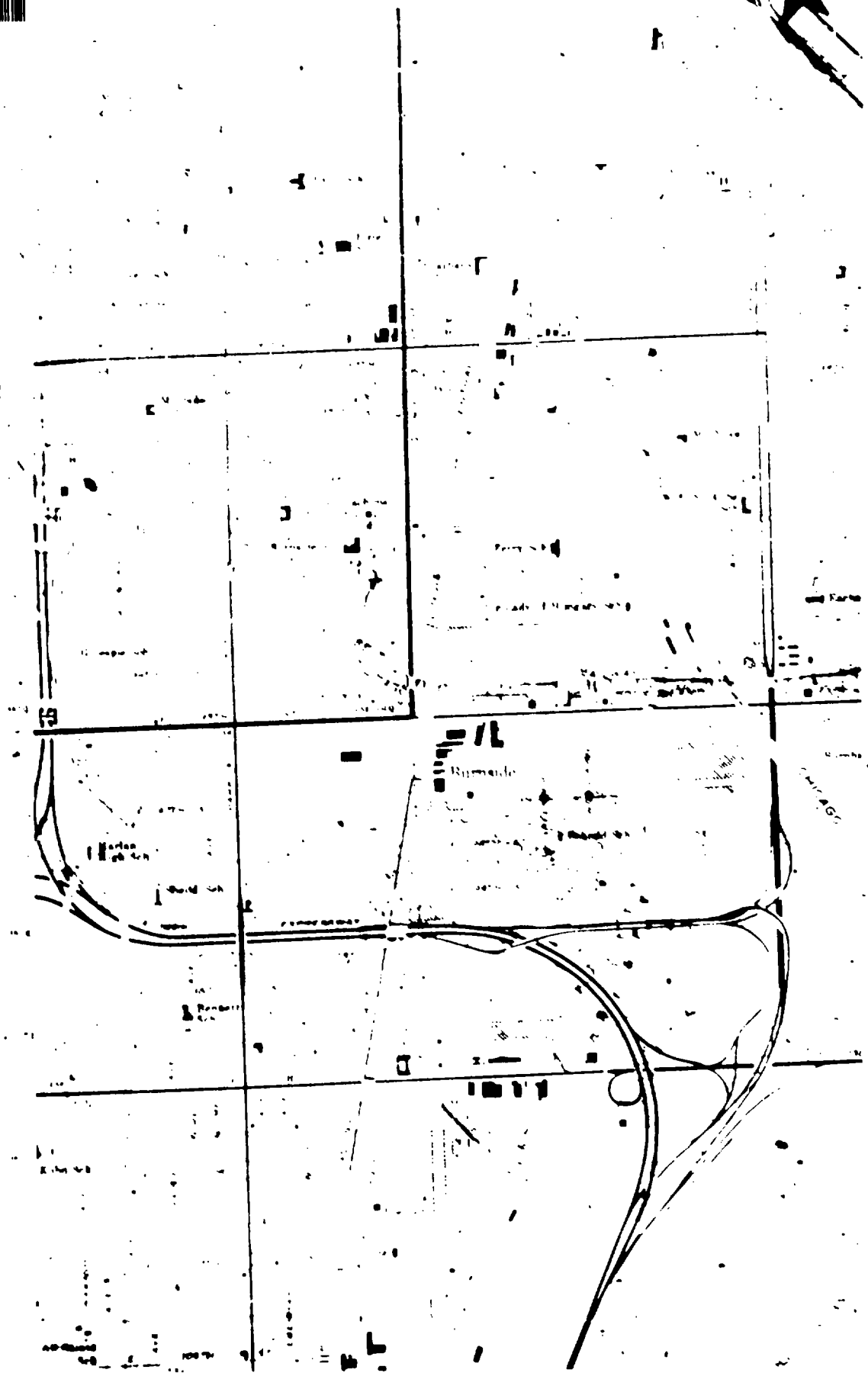
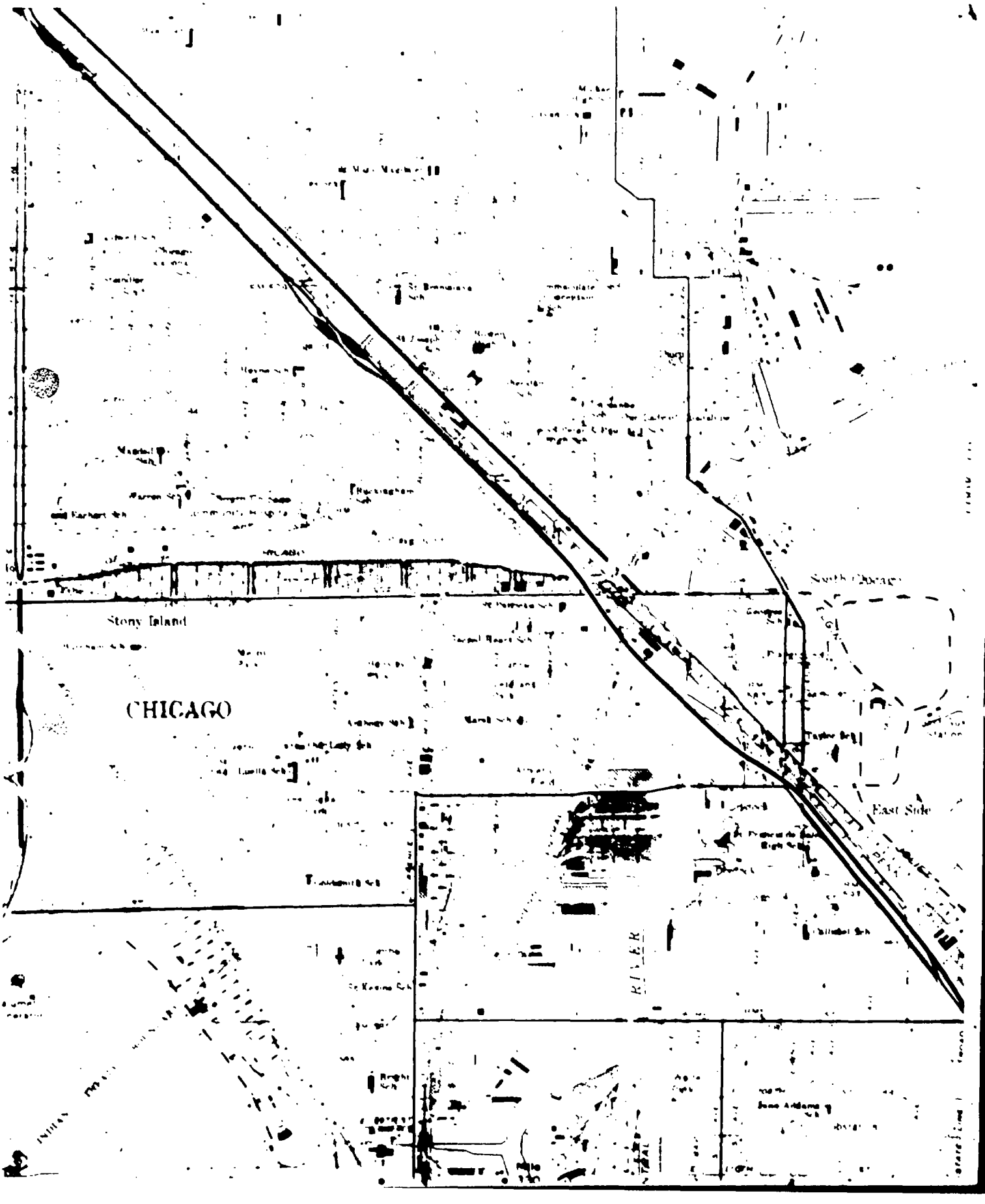
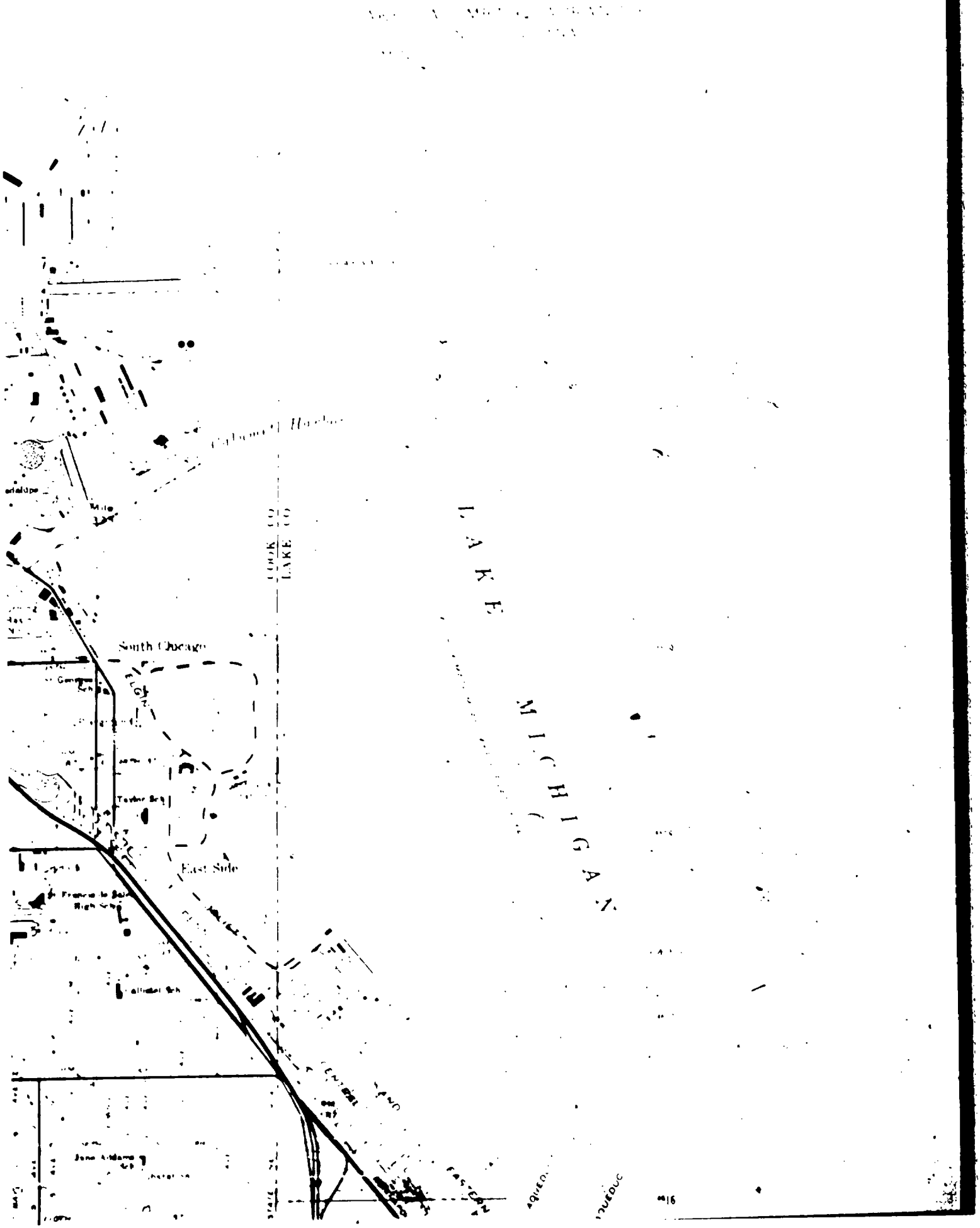
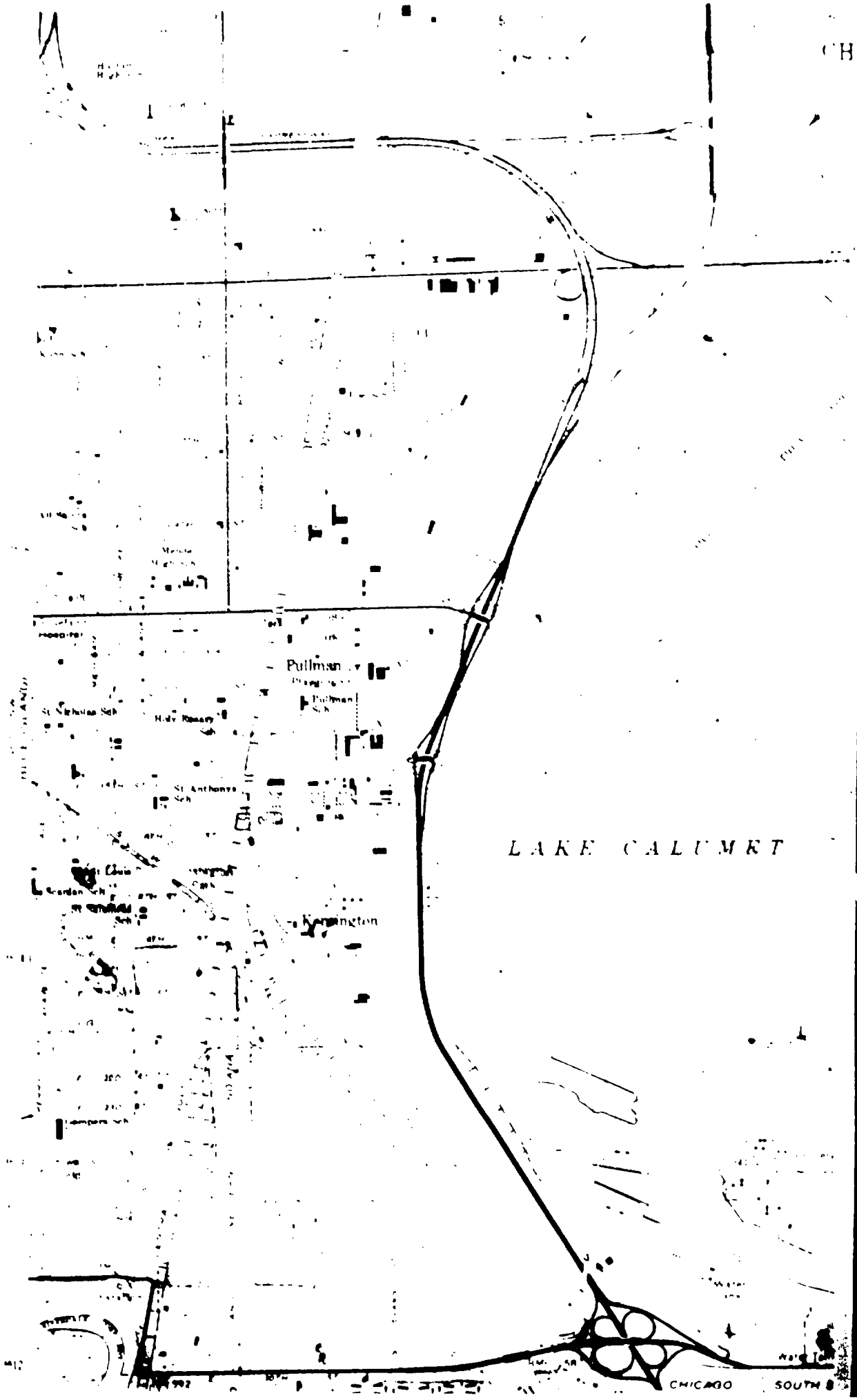
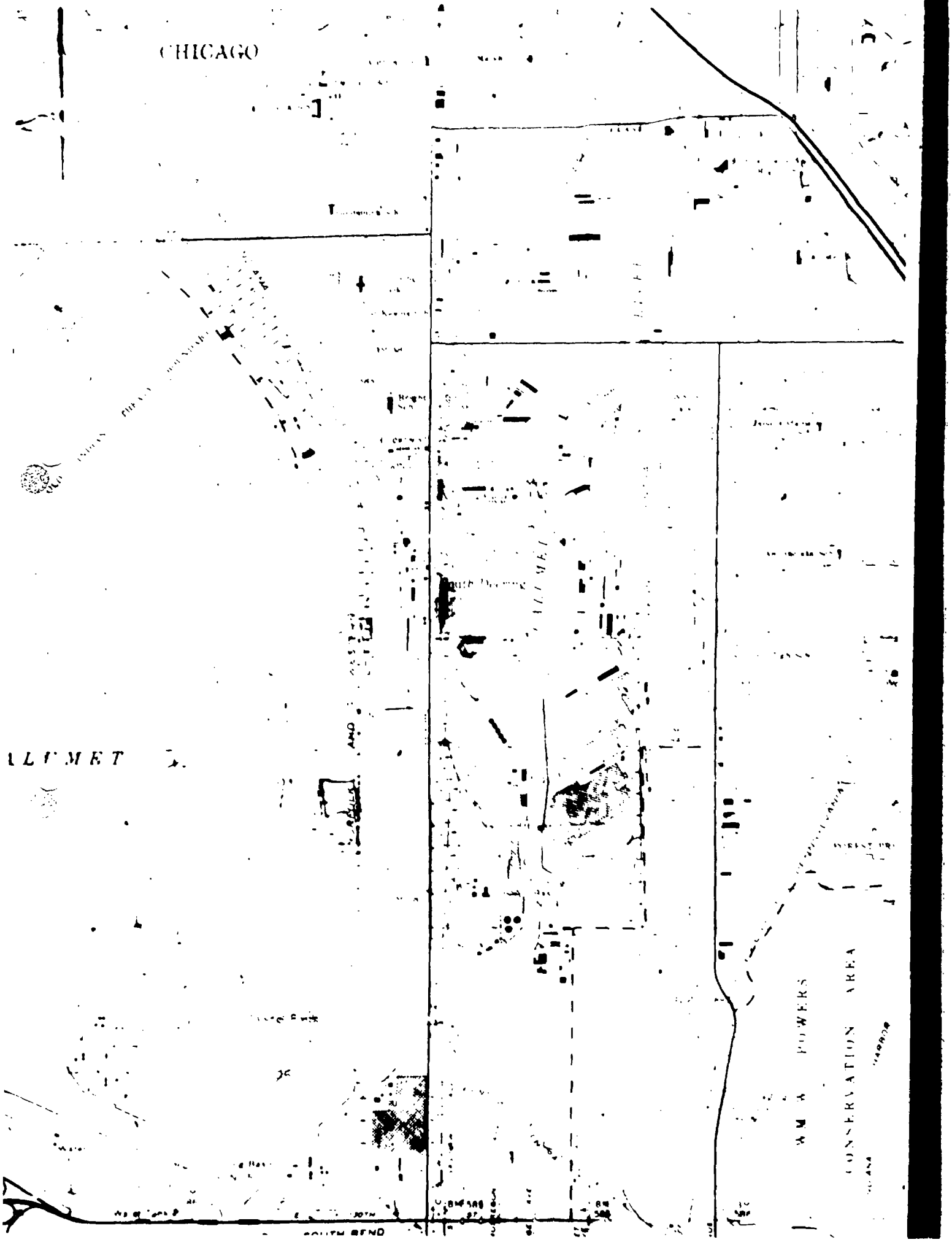
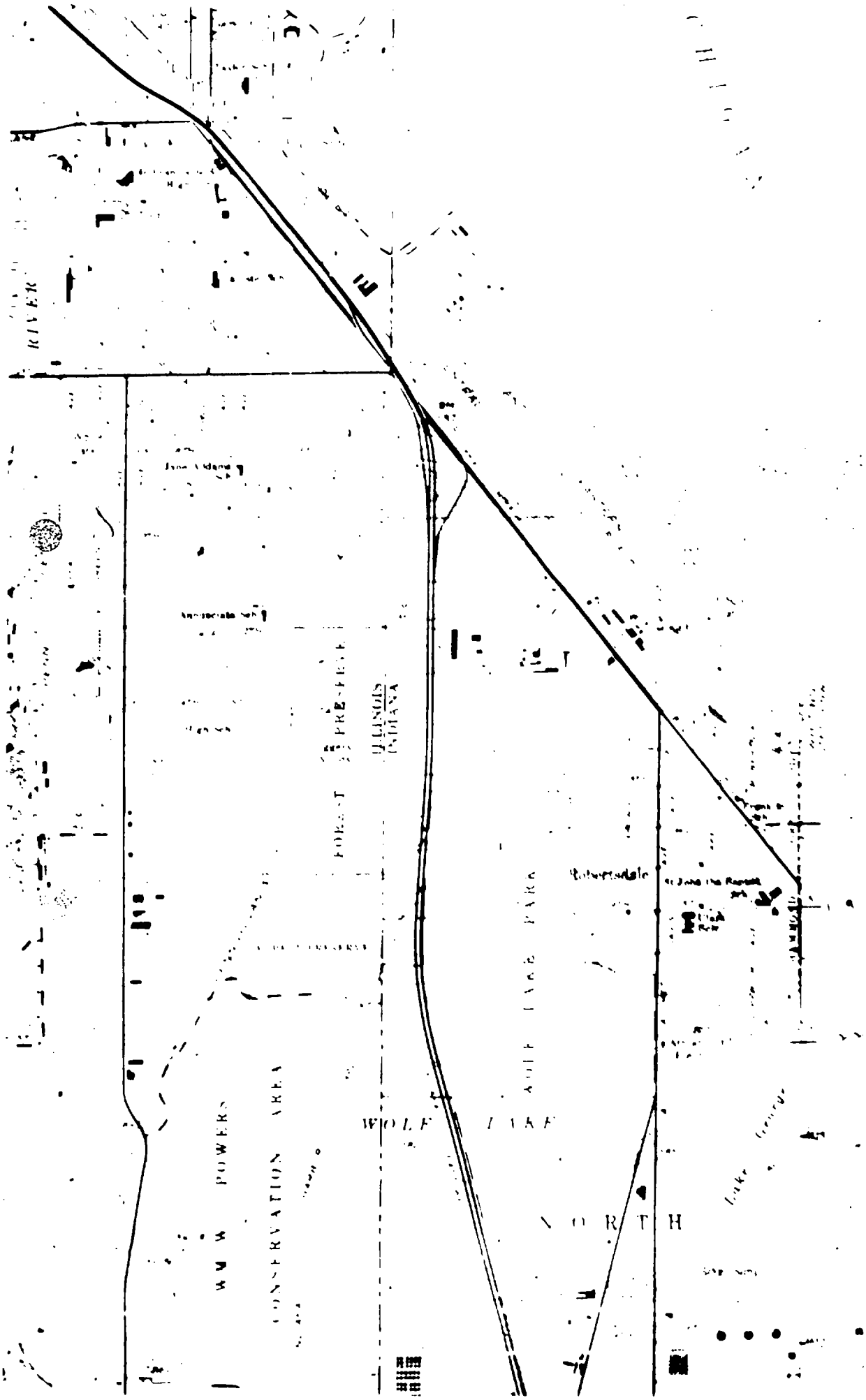


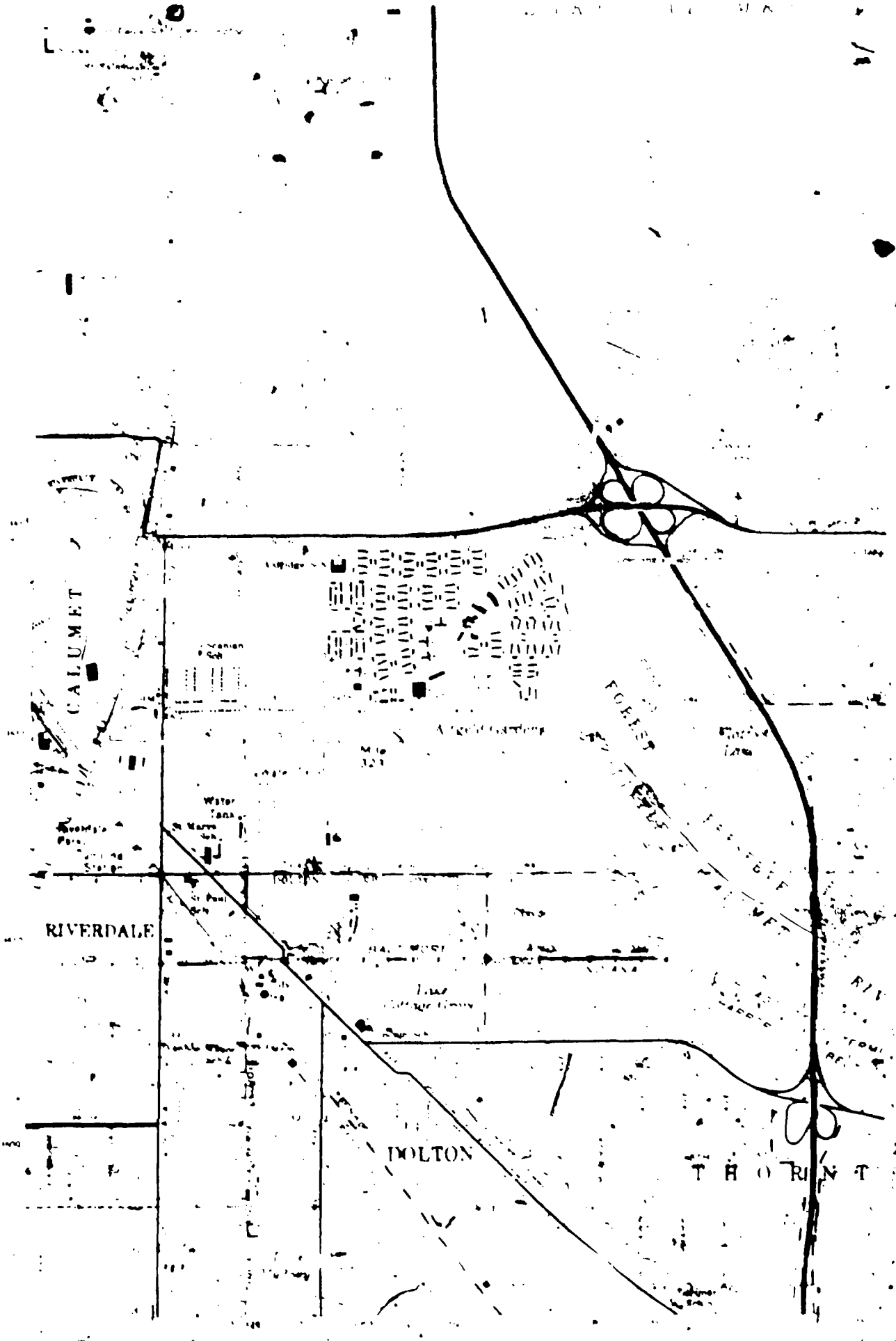

Stony Island
CHICAGO
South Chicago
East Side
RIVER


LAKE MICHIGAN
COOK CO
LAKE CO
South Chicago
East Side
Taylor Sch
Callistel Sch
Jane Addams Sch
EASTERN
AQUEDUC

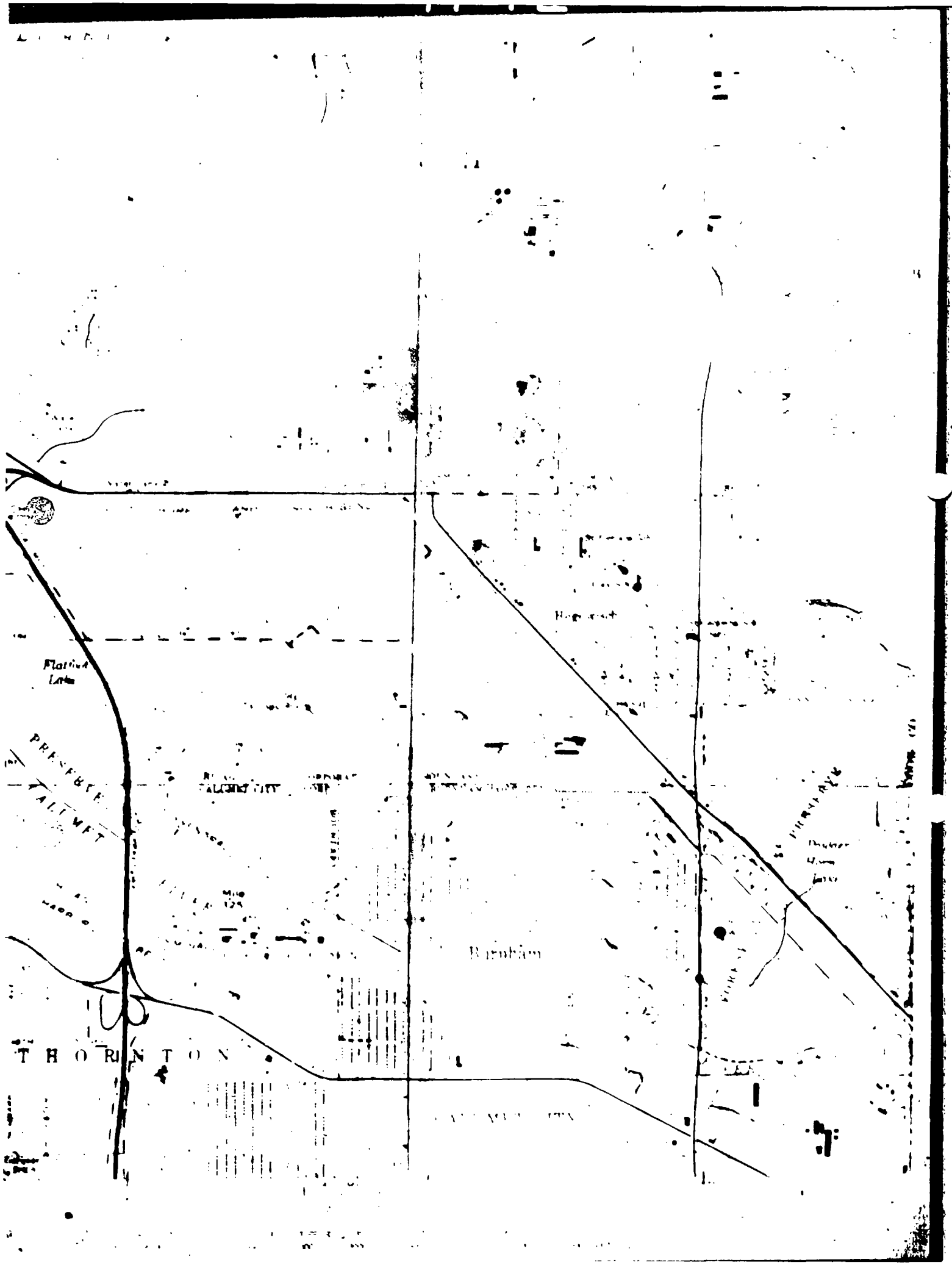

Pullman
LAKE CALUMET
Kensington
CHICAGO
SOUTH


CHICAGO
ALUMET
SOUTH BEND
POWERS
CONSERVATION AREA

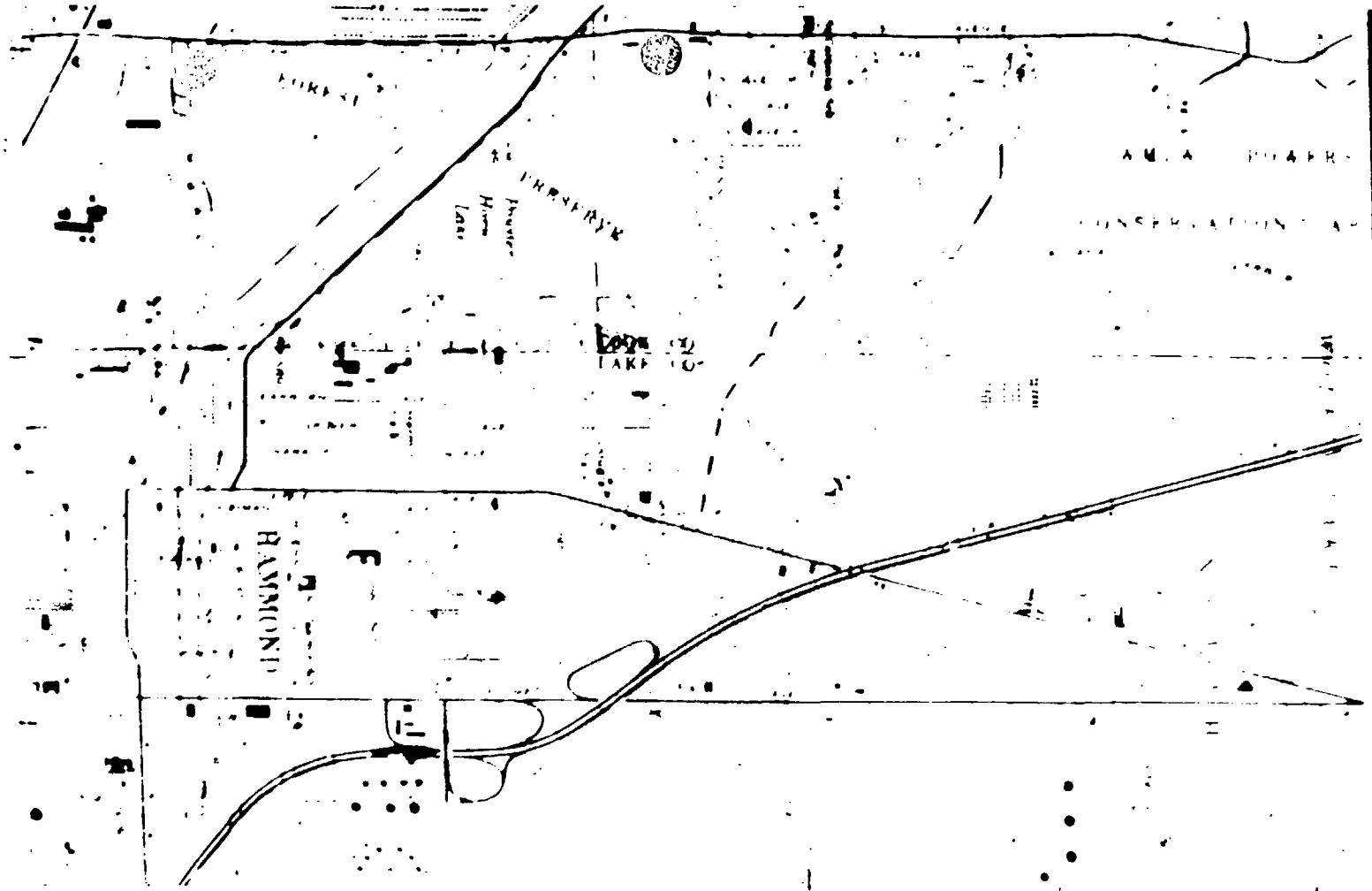

RIVER
Jane Addams
Annunciata Sch
FOREST PRESERVE
ILLINOIS
INDIANA
Robertsdale
WOLF LAKE PARK
WOLF LAKE
NORTH
POWERS
CONSERVATION AREA



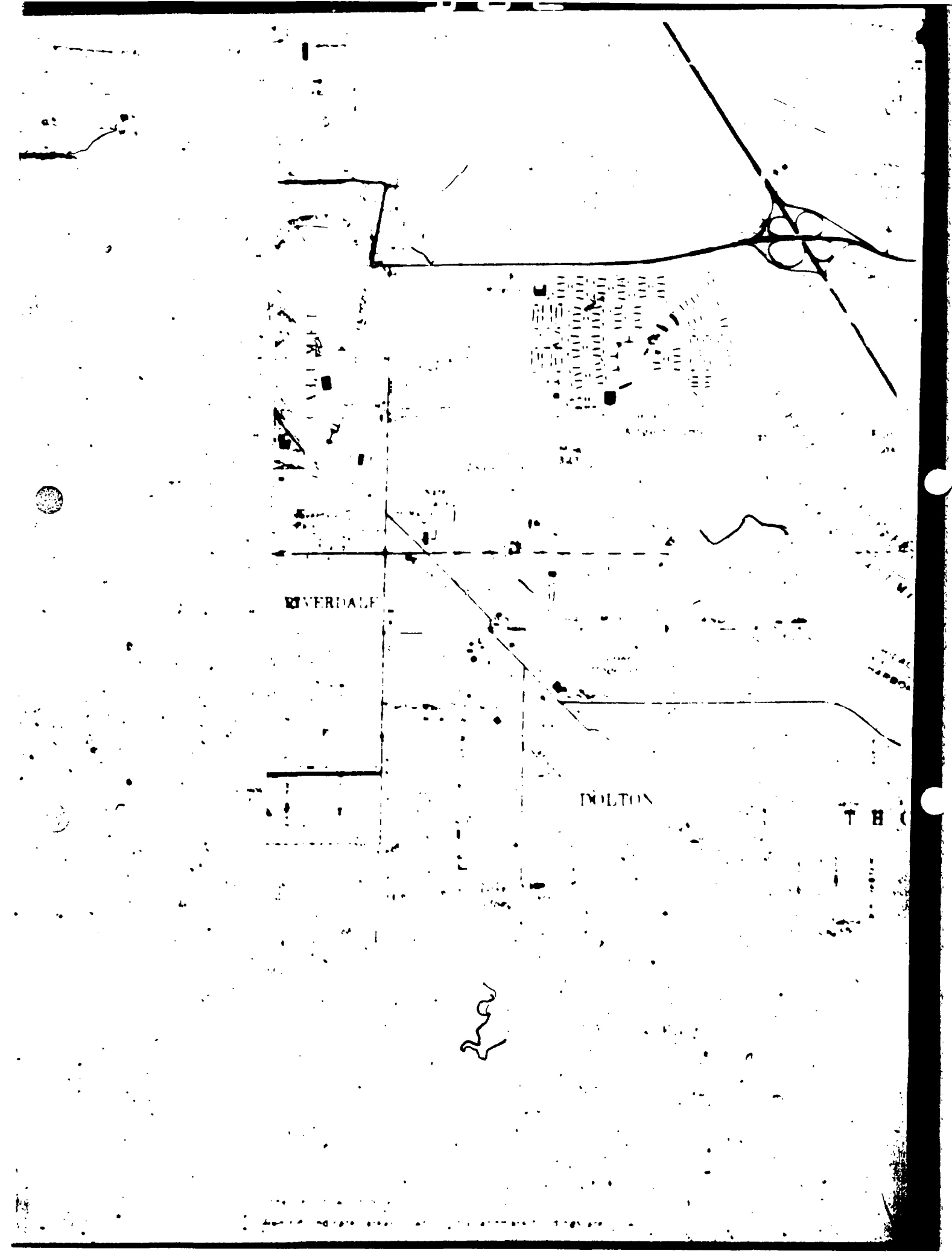
Maps [illegible] published by the Geological Survey
[illegible] operation with the Illinois Department of Registration
and Education, Geological Survey Division, and the

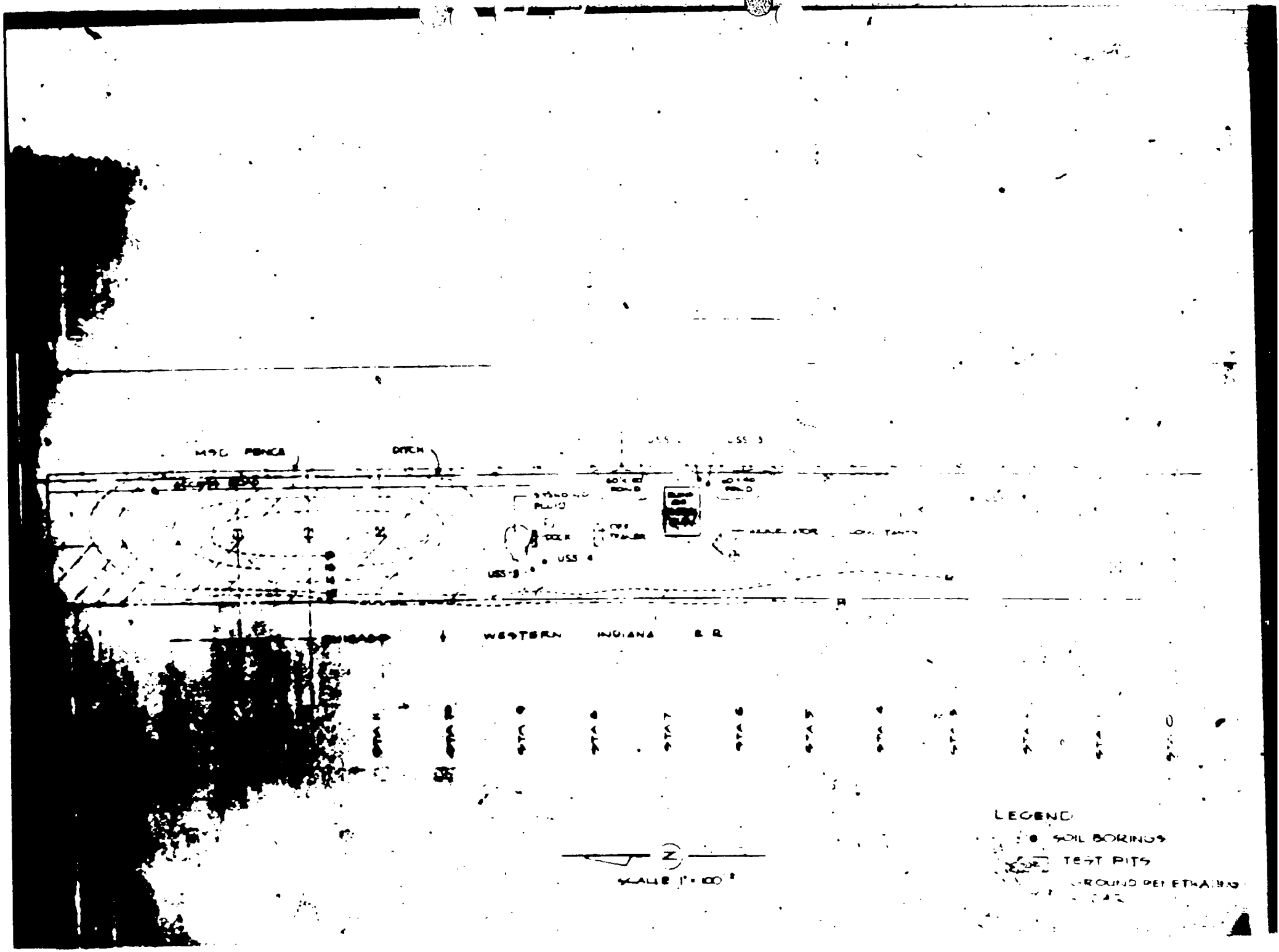

Flatfoot Lake
PRESERVE
CALUMET
Burnham
THORNTON

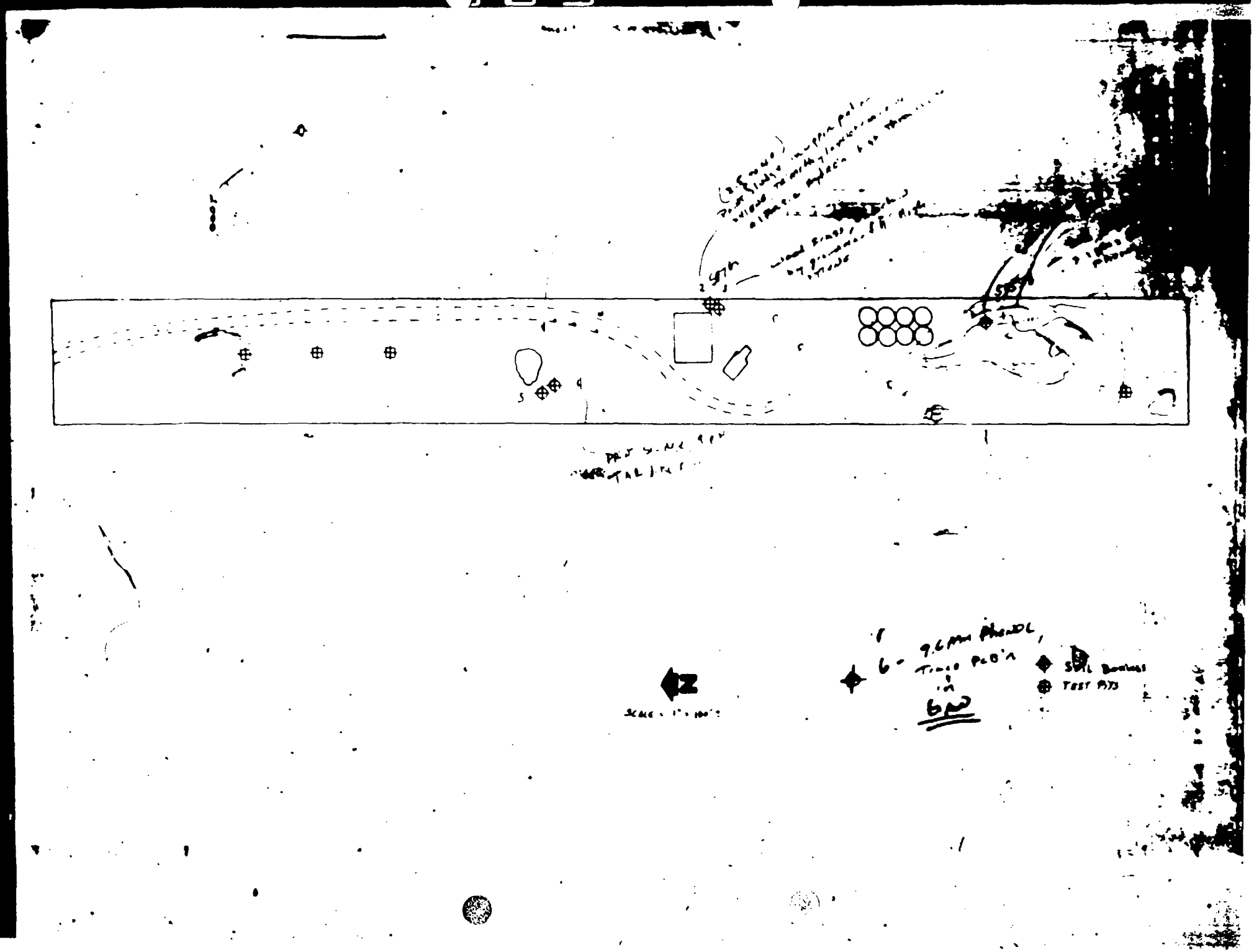
HAMMOND

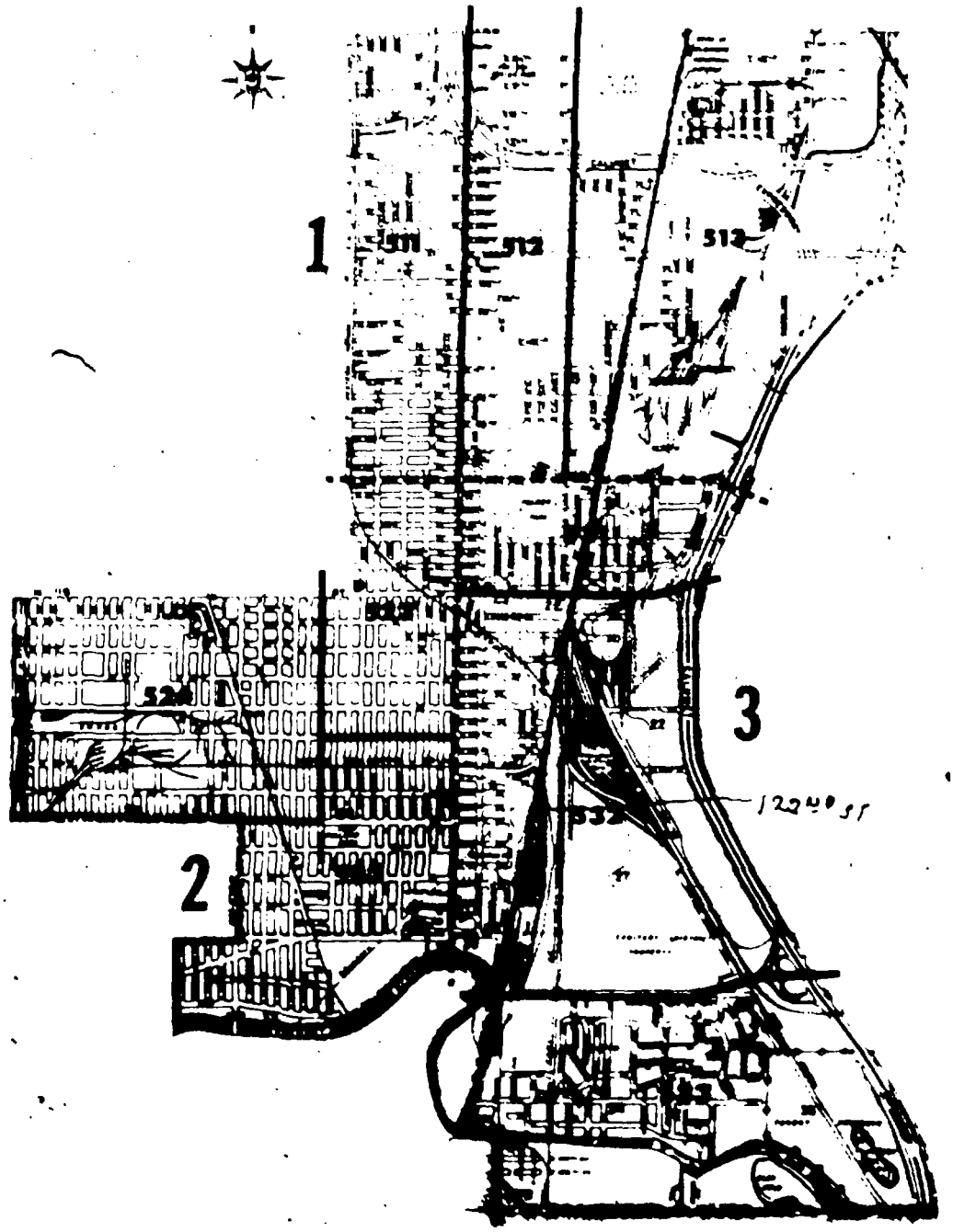

HAMMOND

THORNT


BEVERDALE
DOLTON


MSD FENCE
DITCH
USS 3
USS 4
WESTERN INDIANA R.R.
LEGEND
SOIL BORINGS
TEST PITS
GROUND PENETRATING
SCALE 1" = 100'


6 - 9.6 mm Phenol,
Trace Pb'n
in
Soil Borings
Test Pits



505 DISTRICT - ALL BEATS IN ZONE 3

[illegible] Commander 501 Desk Sergeant [illegible]
[illegible] Warrant Officer 505 [illegible] (Abandoned) [illegible]
[illegible]

[illegible] CARS

[illegible] BEAT CARS [illegible]

[illegible]

FOR DEPARTMENT USE ONLY

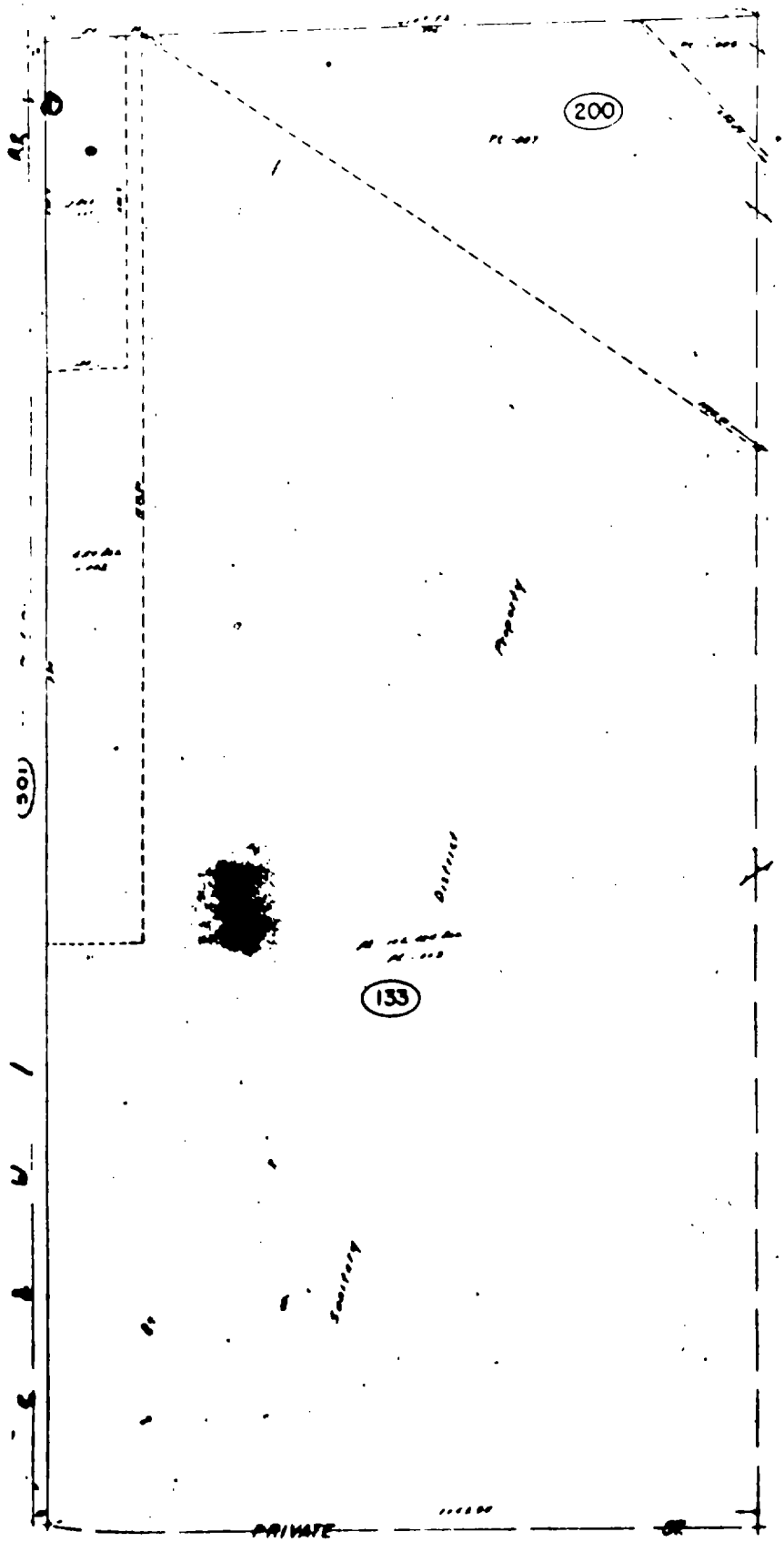
5th DISTRICT PULLMAN 727 E. 111th St. CHICAGO POLICE DEPARTMENT

E. 1/2 N.W. 1/4 Sec. 27 - 37 - 14 S I B L

HYDE PARK TWP

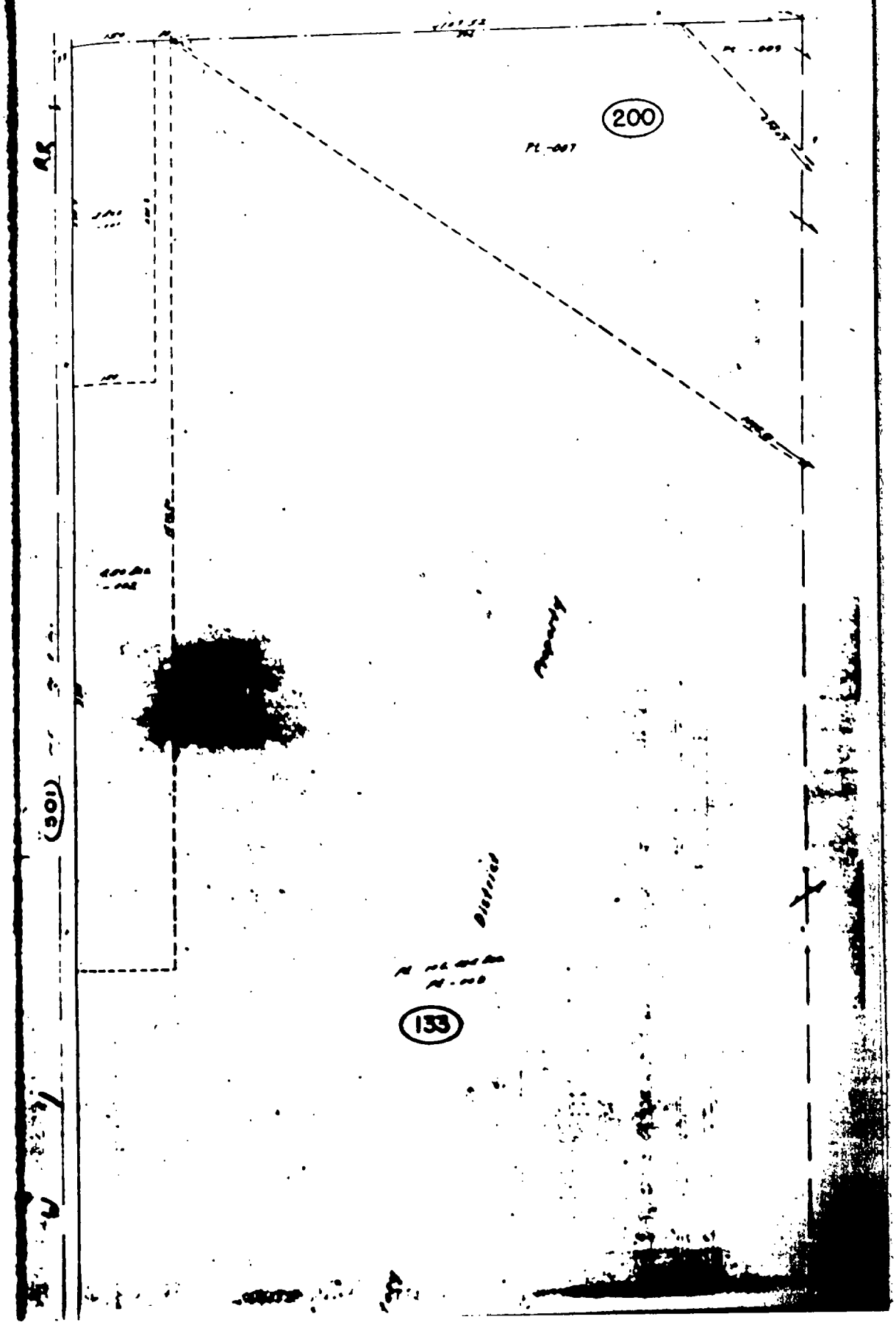
37-14-27D

S I B L
25-27



E. 1/2 N.W. 1/4 Sec. 27 - 37 - 14 S I B L

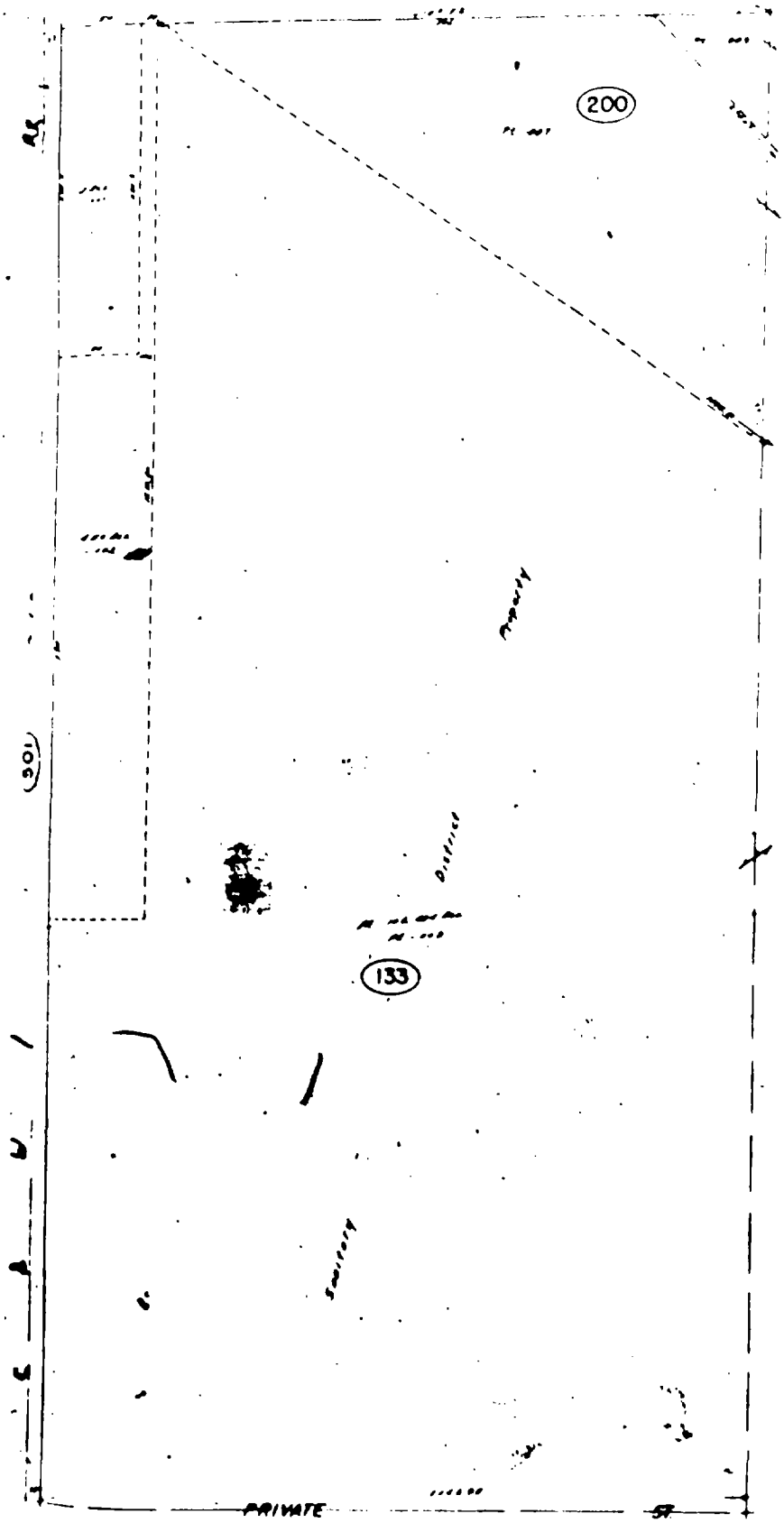
HYDE PARK TWP.



E. 1/2 N.W. 1/4 Sec. 27 - 37 - 14

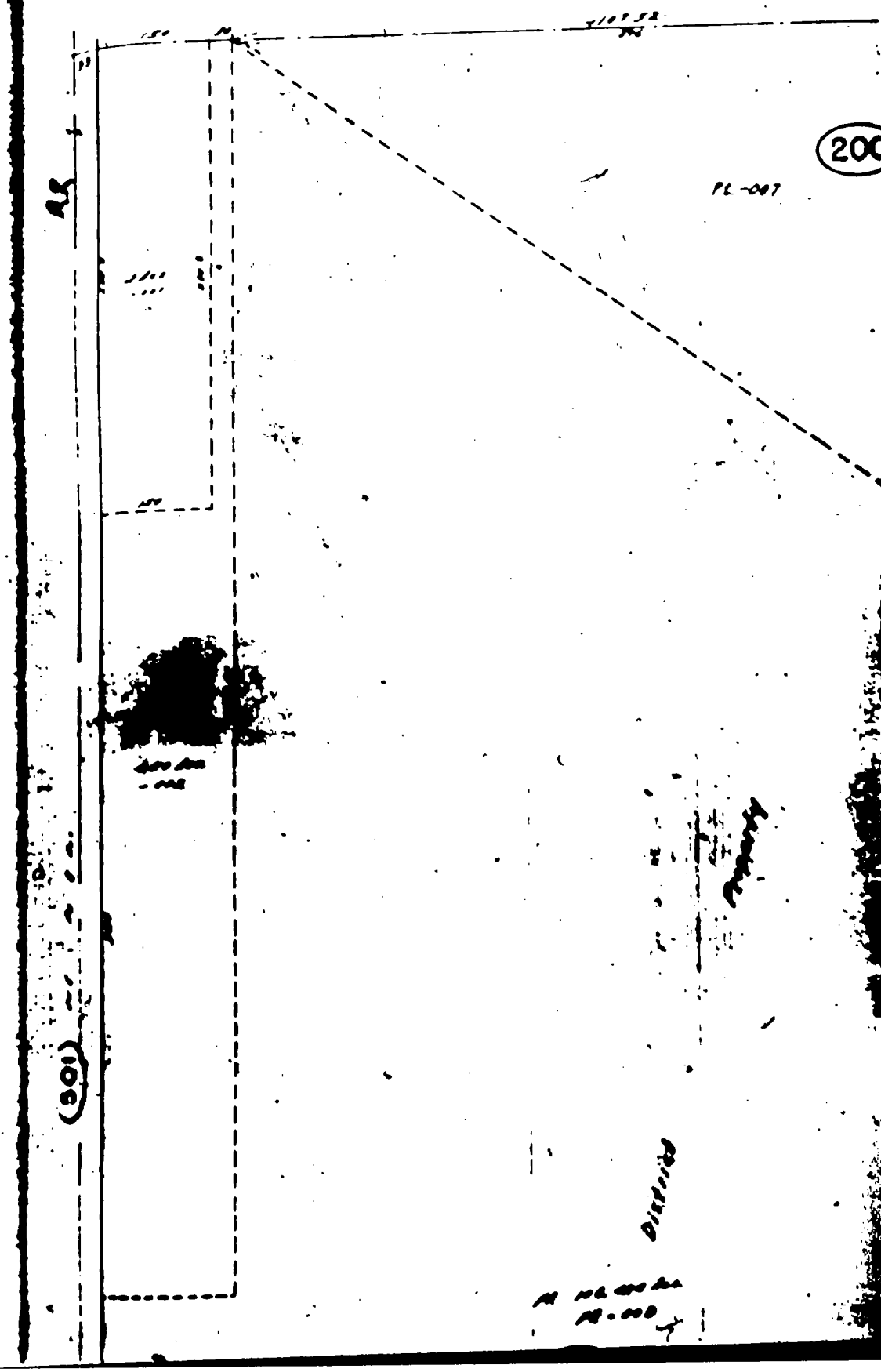
HYDE PARK TWP

37-14-27D



E. 1/2 N.W. 1/4 Sec. 27 - 37 -

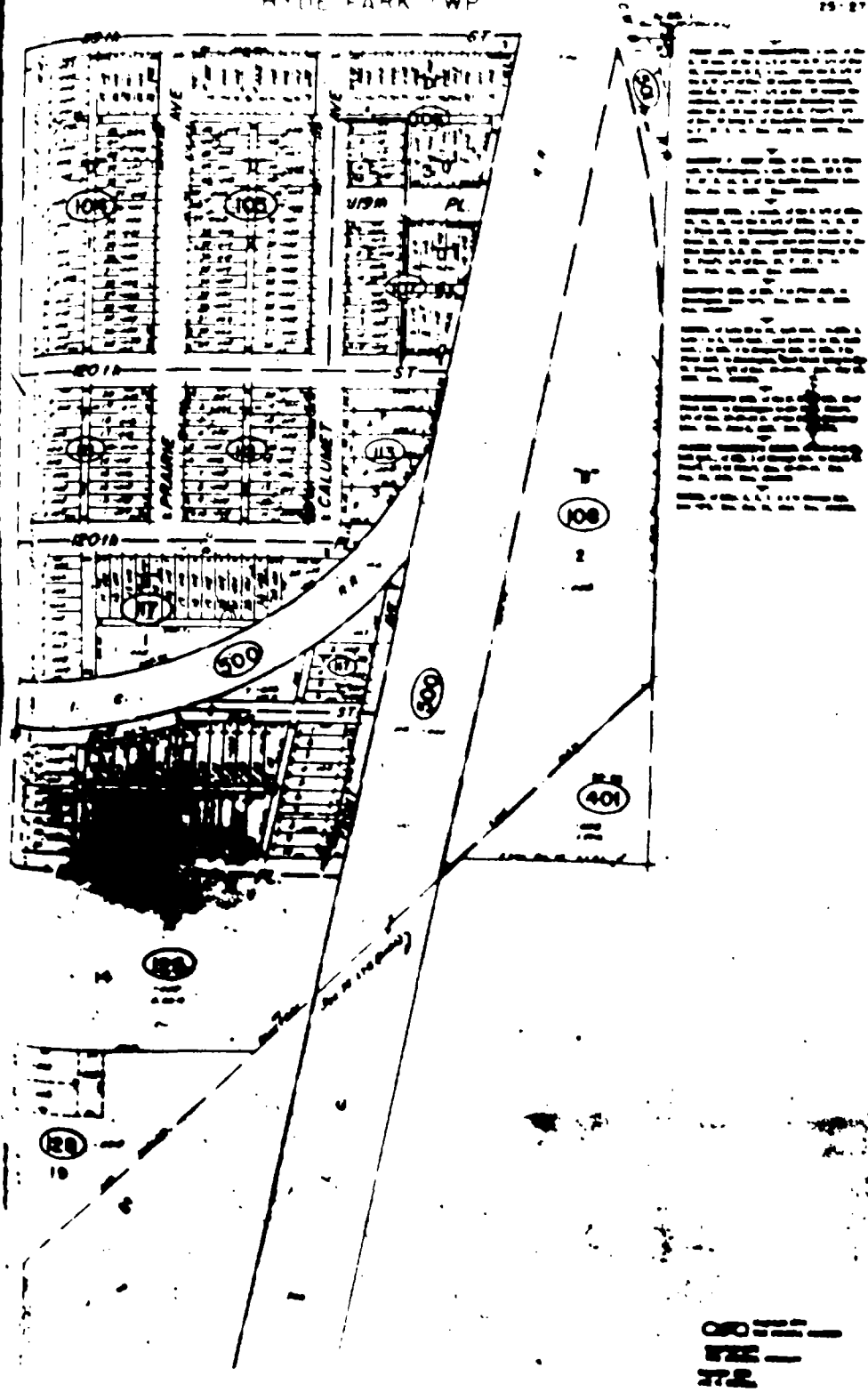
HYDE PARK TWP.



E. ½ N.W. ¼ Sec. 27 37-14

HYDE PARK TWP

37-14-270



INCE GATE

DRAINAGE DITCH

DRUM BURIAL AREA

METROPOLITAN SANITARY DISTRICT PROPERTY

LAGOON 1

LAGOON 2

LAGOON

DRAINAGE

SLUDGE PIT

SLUDGE PIT

DRUM BURIAL

ASOON 4

[illegible]AGO & WESTERN INDIANA RA[illegible]ROAD

NO	DATE	APPR

APPR	REVISION	

FIGURE 2

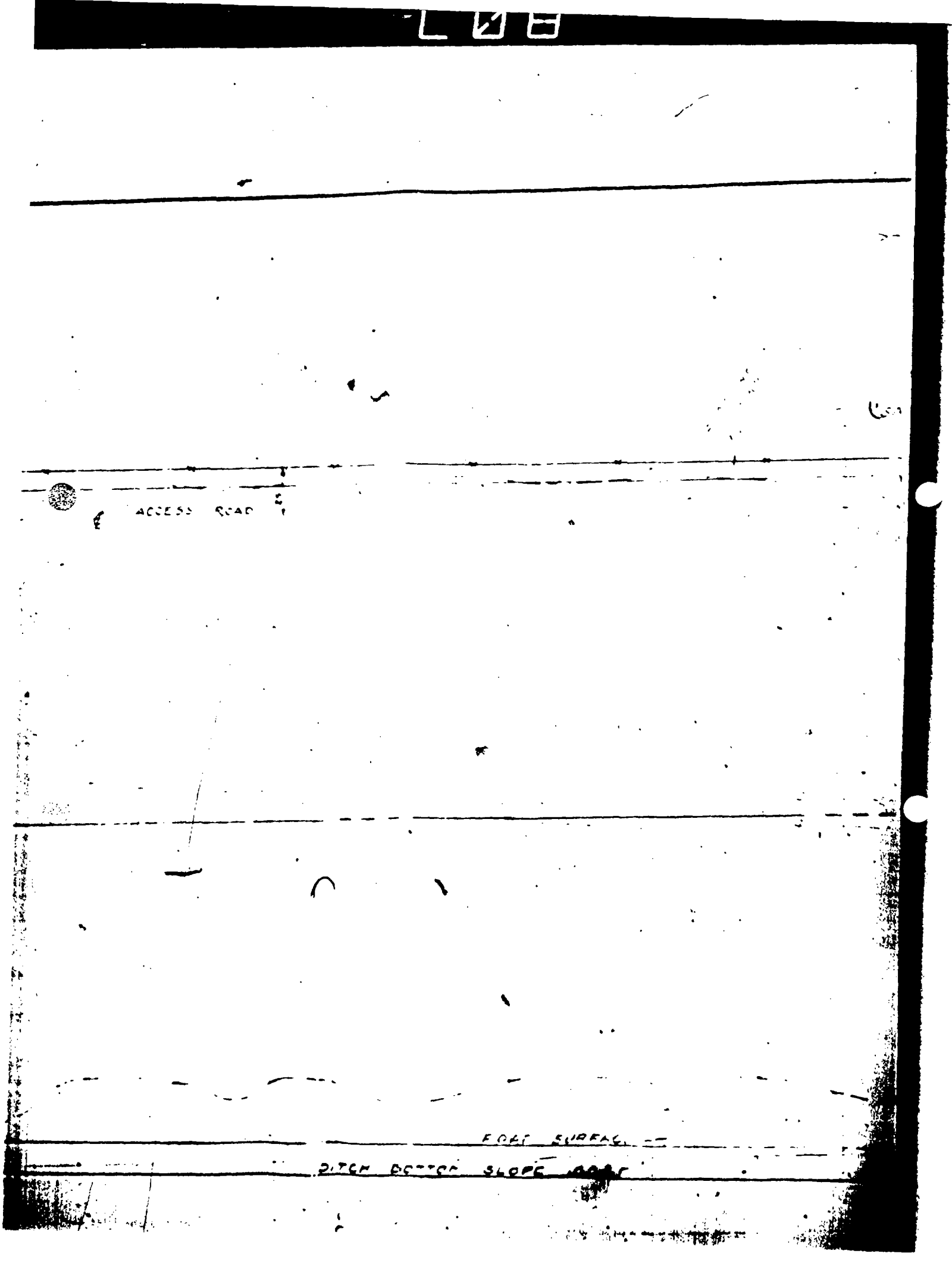
SITE MAP

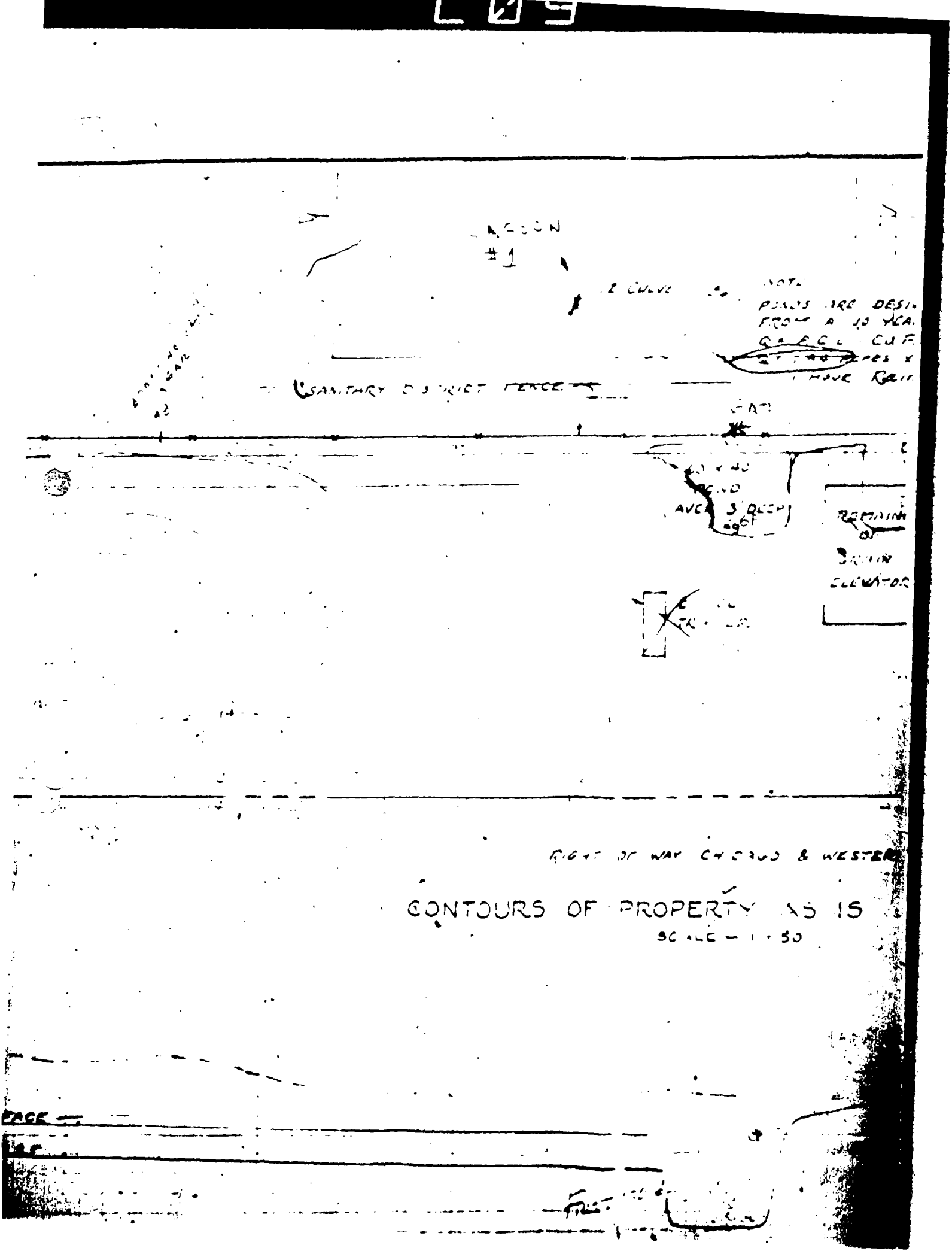
U.S. SCRAP LAND

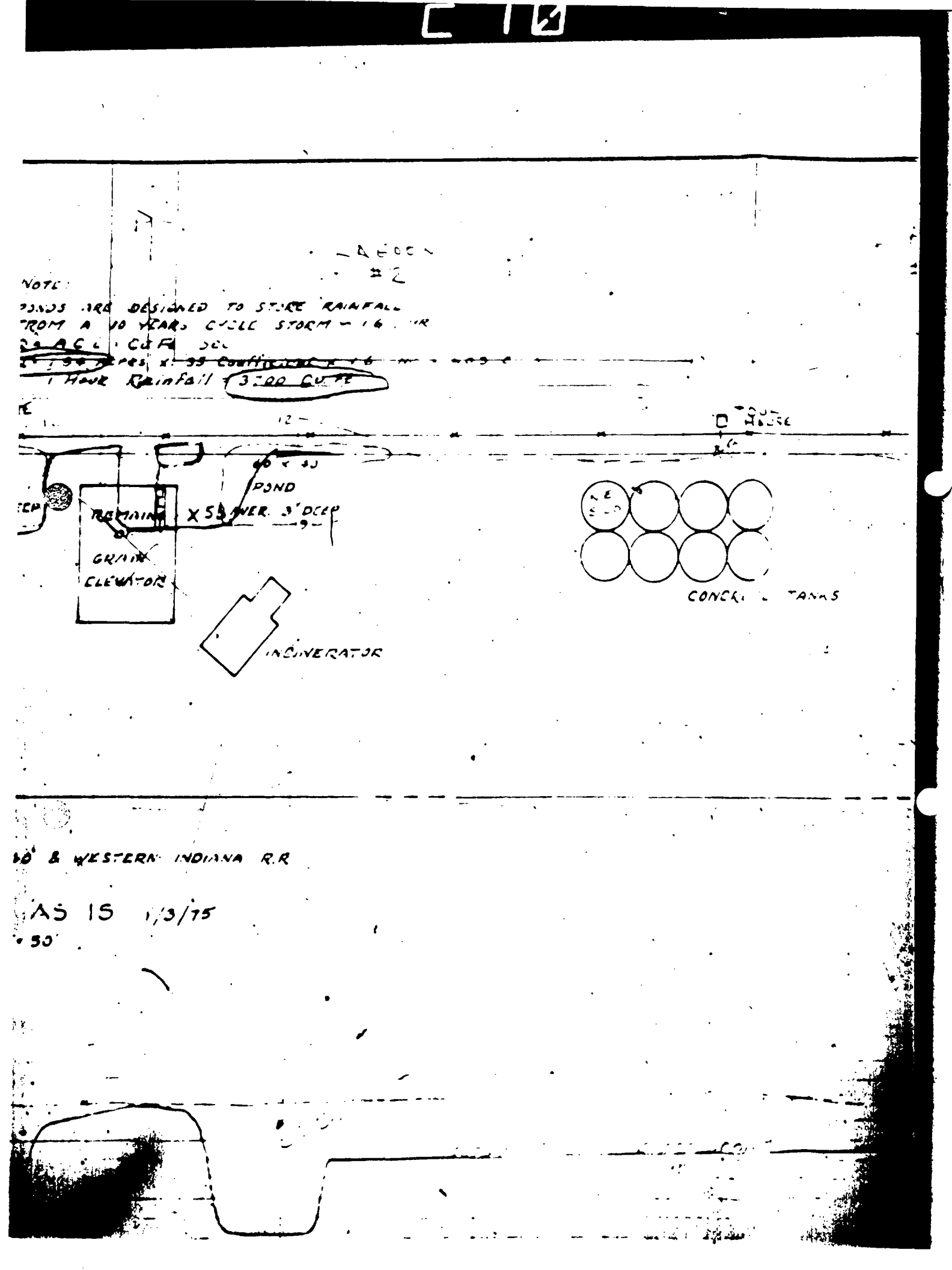
WESTON

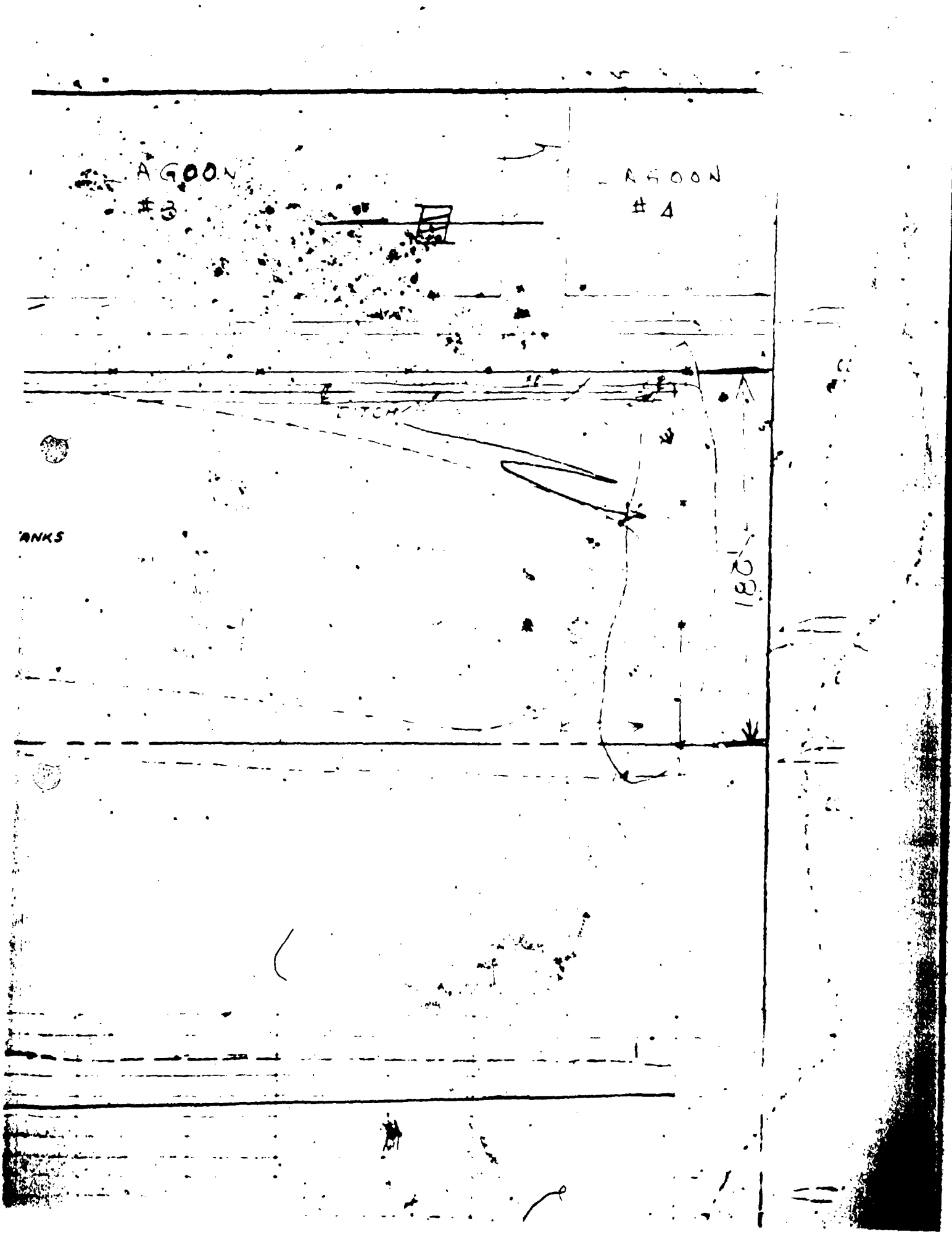
ROY F. WESTON, INC.

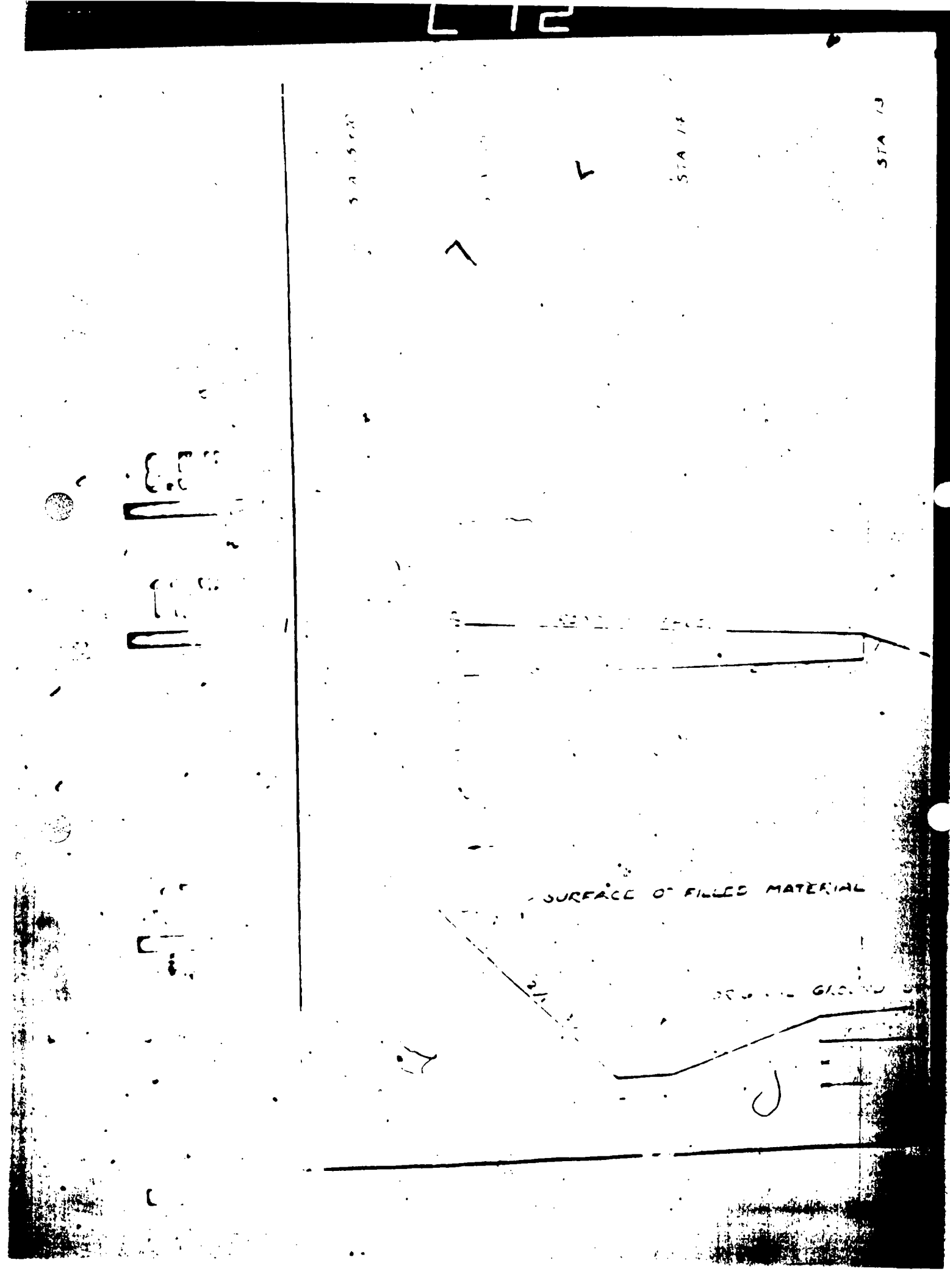
DRAWN
R SCHULTZ


ACCESS ROAD
FORT SURFACE
DITCH BOTTOM SLOPE


#1
SANITARY DISTRICT FENCE
GATE
AVE 3 DEEP
REMAINING
ELEVATOR
RIGHT OF WAY CHICAGO & WESTERN
CONTOURS OF PROPERTY AS IS
SCALE — 1 : 50
FACE


NOTE:
PONDS ARE DESIGNED TO STORE RAINFALL
FROM A 10 YEARS CYCLE STORM
1 HOUR RAINFALL = 3.00 CU FT
POND
GRAIN ELEVATOR
INCINERATOR
CONCRETE TANKS
& WESTERN INDIANA R.R
AS IS 1/3/75


LAGOON
#3
LAGOON
#4
ANKS
180'


STA 14
STA 13
SURFACE OF FILLED MATERIAL

STA 14

STA 12

STA 10

SURFACE OF FILLED MATERIAL

ORIGINAL GROUND SURFACE

DITCH

24

SECTION THRU DITCH LOOKING

SCALE

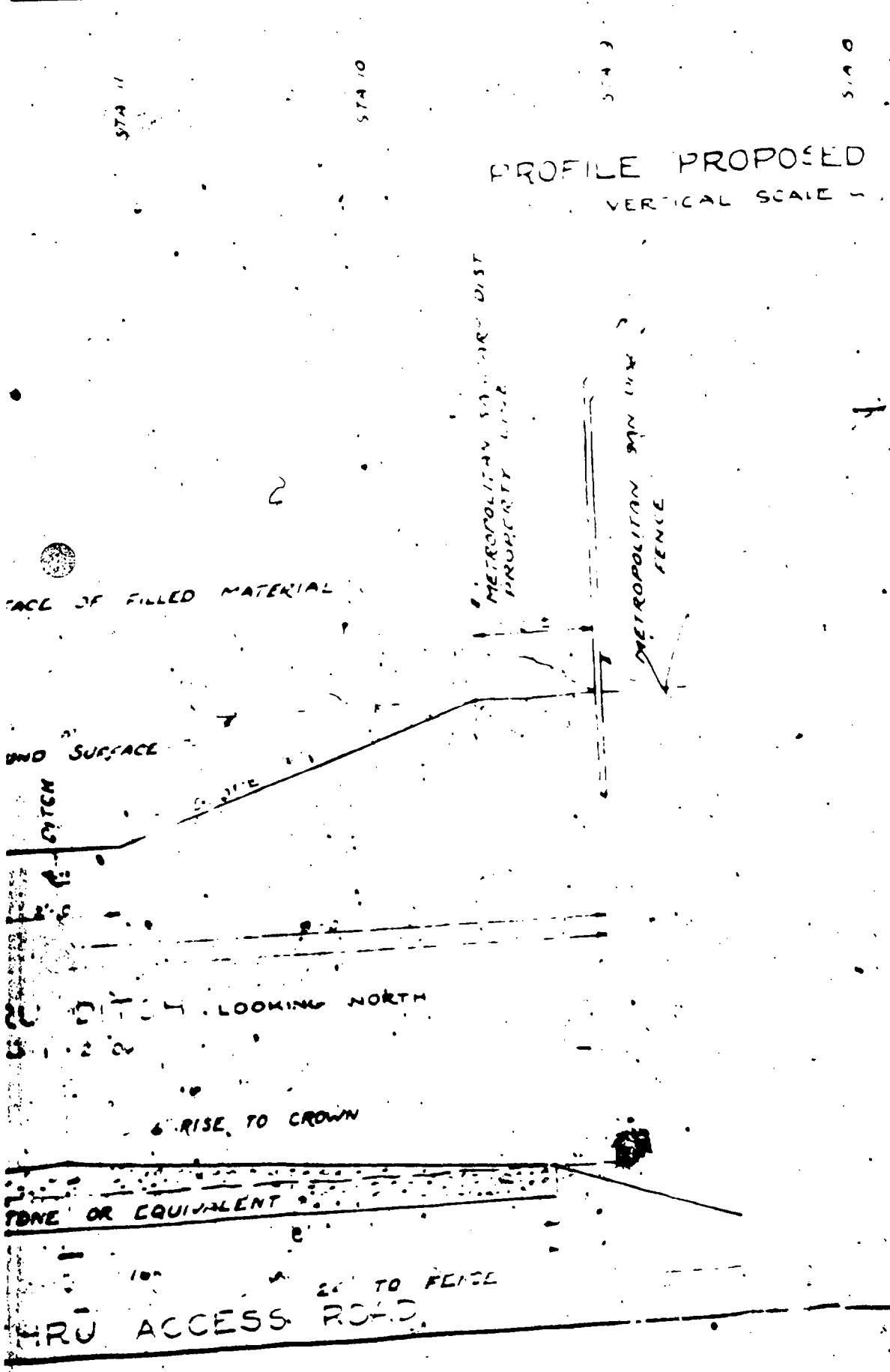
SURFACE OF FILLED MATERIAL

6 RISE TO CROWN

ORIGINAL GROUND SURFACE

CRUSHED STONE OR EQUIVALENT

ACCESS



U S SCRAP CORP
required EQUIPM
all necessary M
described here
The ENGINEER w
@ 50' intervals
PONDS, CULVERT
All filled mate
shall be remov
face in the a
construction is
The DITCH shal
section as sho
shown on this
CLAY or CINDERS
used for the
The ACCESS ROA
and e de as sh
During he const
clay eal shall
road filled m
During the peric
construction the
pollutants from
level sufficient
into M.S.D. p
The pumped p
approved disp
liquids and
At completion
by the M.S.D.
galvanized stee
PONDS Easterly

At a site app
U.S. Scrap prop
Remove the fil
a width of
East building
wall, by a dep
The material
building and
The basement
and [illegible]
which shall be

TCH ON ℄

PR(

DITCH CONSTRUCTION
SATURATED FILL REMOVAL
FINAL COVER
PUMP & REMOVE POLLUTANT
Garvey Site [illegible]

SPECIFICATIONS

s SCRAP CORP to furnish WORKMEN, supply all
quired EQUIPMENT, acquire CLAY COVER and furnish
l necessary MATERIALS to perform the work as
scribed herein
e ENGINEER will set LINE and GRADE STAKES
50' intervals for the construction of DITCHES,
NDS, CULVERTS and ACCESS ROAD
ll filled material (possibly containing pollutants)
all be removed down to the original ground sur-
ce in the area where the DITCH and ROAD
nstruction is planned between STATIONS 9 & 15+70
e TCH shall be excavated and formed to the
ction as shown and to the line and grades as
own on this drawing 852-1
ay or CINDERS from the DITCH excavation may be
ed for the ACCESS ROAD ballast
e ACCESS ROAD shall be constructed to the line
e de as shown on this drawing
During the construction of the DITCH and ROAD a
clay seal shall be placed over the remaining ex-
ed filled material between STATIONS 9 & 15+70
uring the period following the DITCH and POND
nstruction there shall be periodical pumping of
ollutants from the PONDS to maintain a water
vel sufficiently low enough to prevent overflow
to M.S.D. property.
e pumped pollutants shall be hauled to an
proved disposal site for processing to non to-
ards and residues.
e pletion of the above work and after approval
M.S.D. of the effluent quality, a 12" corrugated
ged steel culvert shall be placed to drain the
Easterly to the M.S.D. Storm Water drainage Ditch

GARVEY GRAIN ELEVATOR SITE

e site approximately ½ mile to the East of the
Scrap property there is the following required work
move the fill material along the M.S.D. fence for
width of [illegible] beyond the
st building wall to [illegible] beyond the west building
ll, by a depth down to the water table.
e material shall be spread to the North of the
ilding and compacted.
e basement of the building shall be pumed of
y hexane pollutants [illegible] tested by [illegible]
ich shall be hauled to an approved treatment site

[illegible] STAKES [illegible]

ORIGINAL GRA[illegible] OF [illegible]

PROGRESS SCHEDULE

	1975												1976					
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
CTION																		
REMOVAL																		
POLLUTANT																		

ELEVATIONS BASED ON CHICAGO CITY DATUM

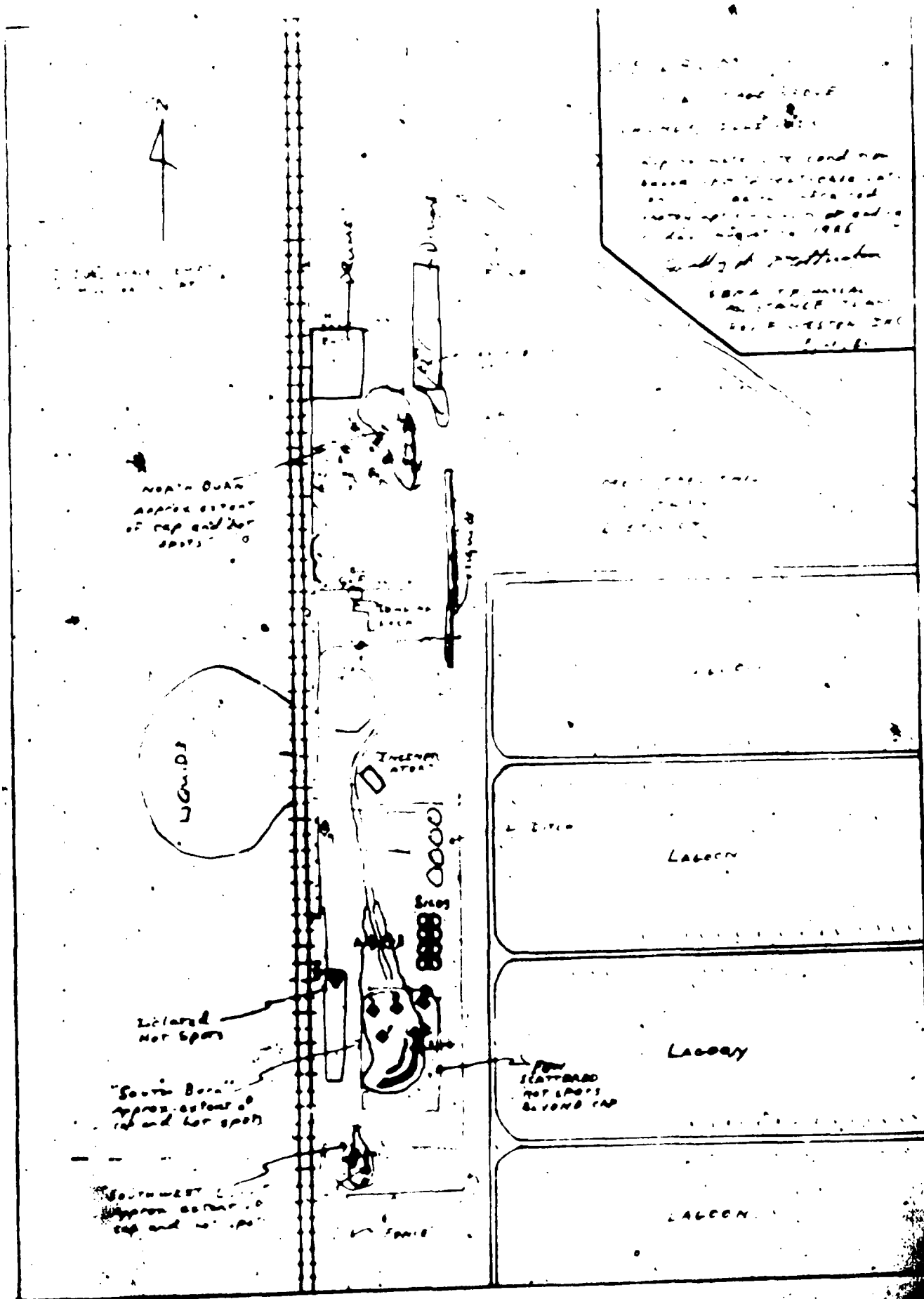
NO	REVISION

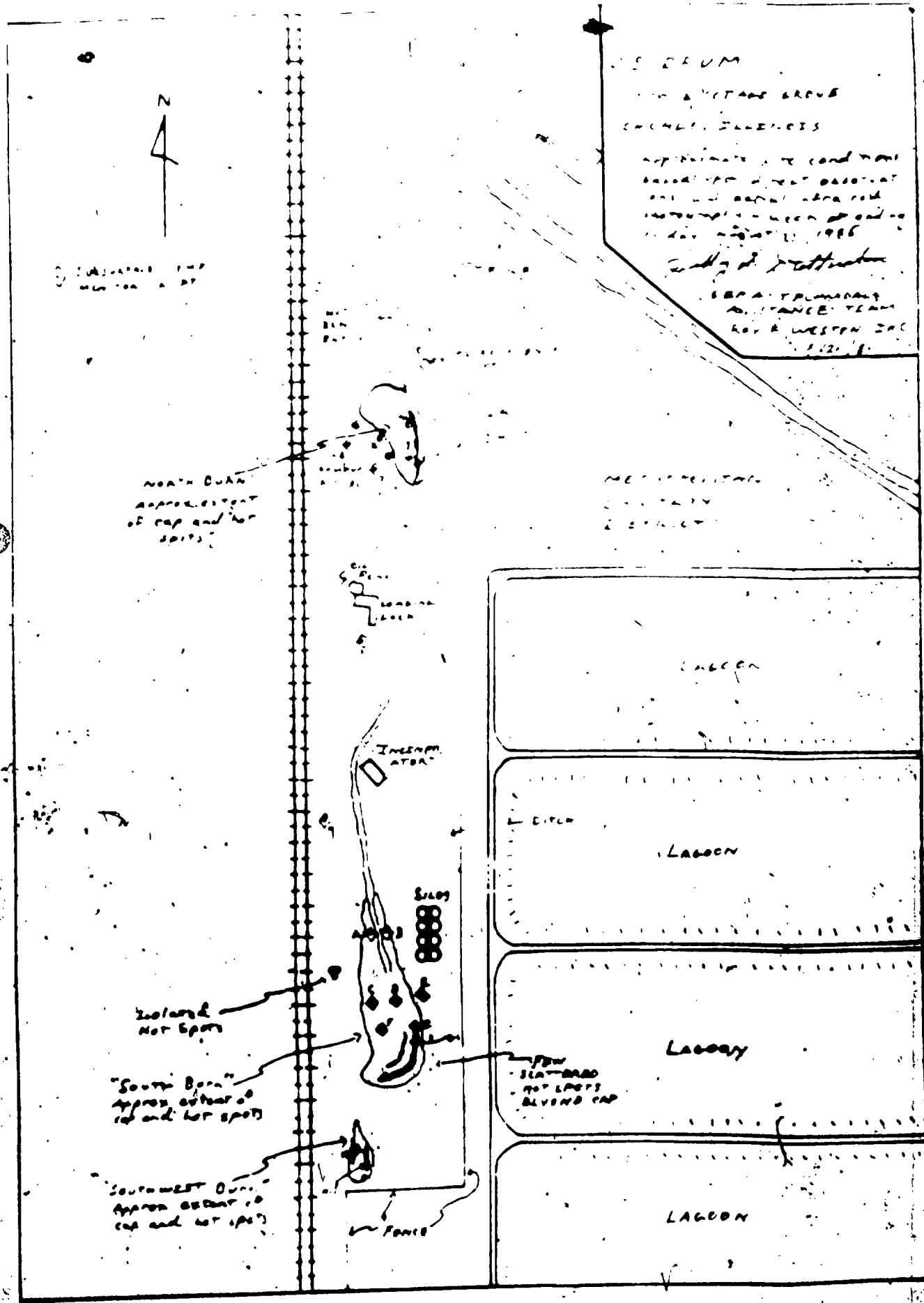
PROPOSED
DITCH & POND CONSTRUCTION

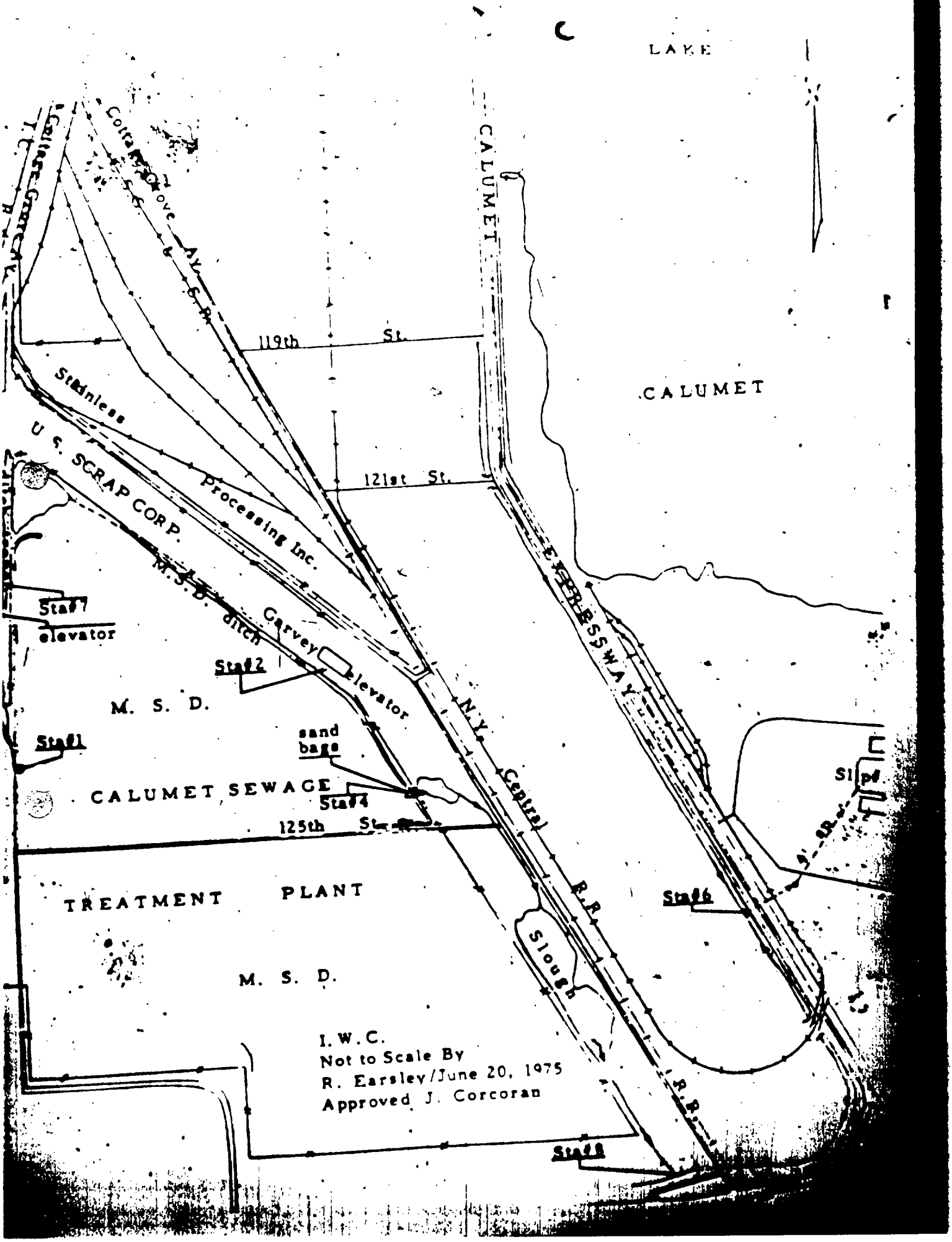
U. S. SCRAP CORP
CHICAGO, ILLINOIS

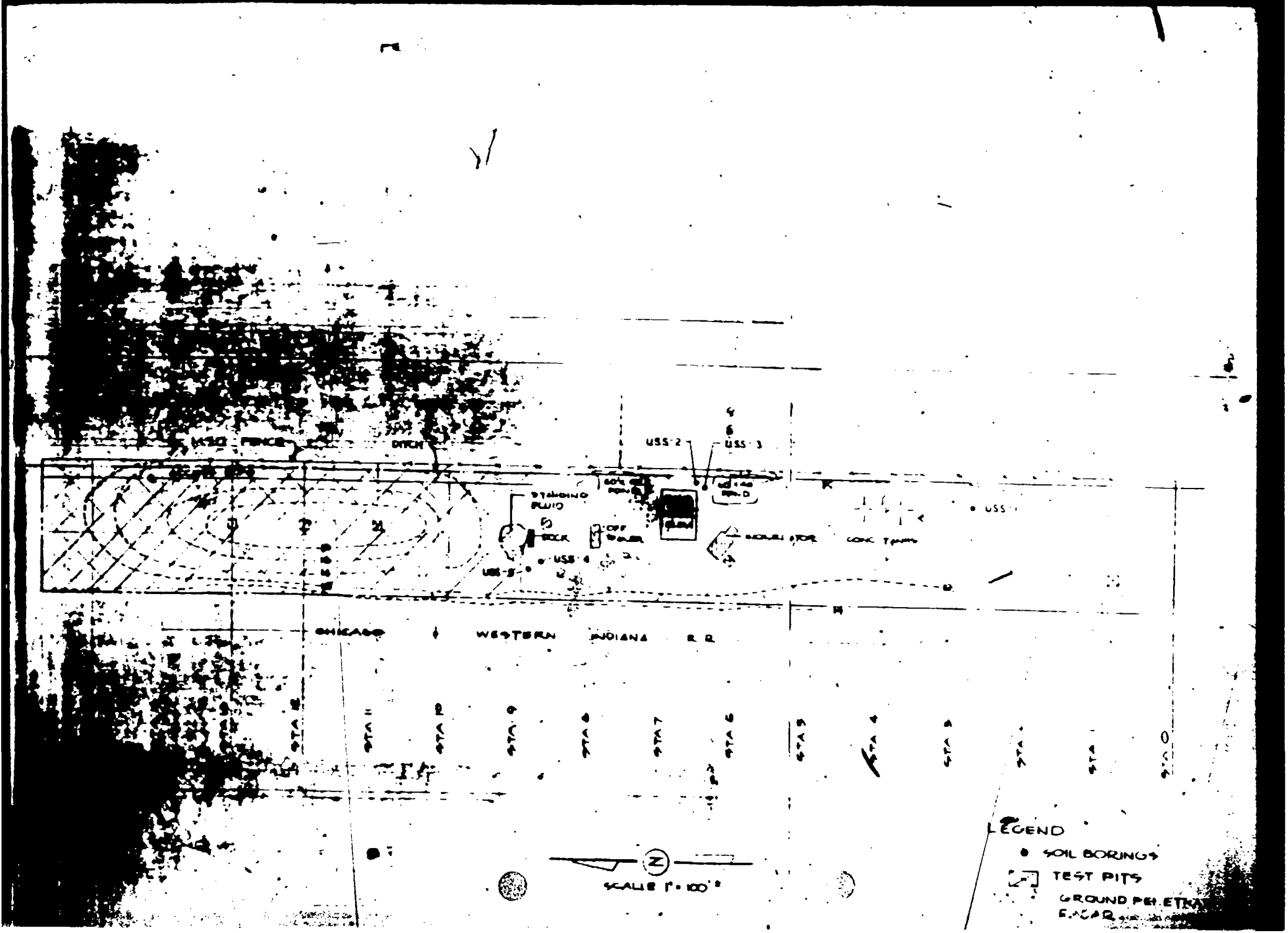
H. C. PORTER
ENGINEER
810 ELDER ROAD, HOMEWOOD, ILL.

DRL	SCALE	DATE	
	1"=50'		E52-1

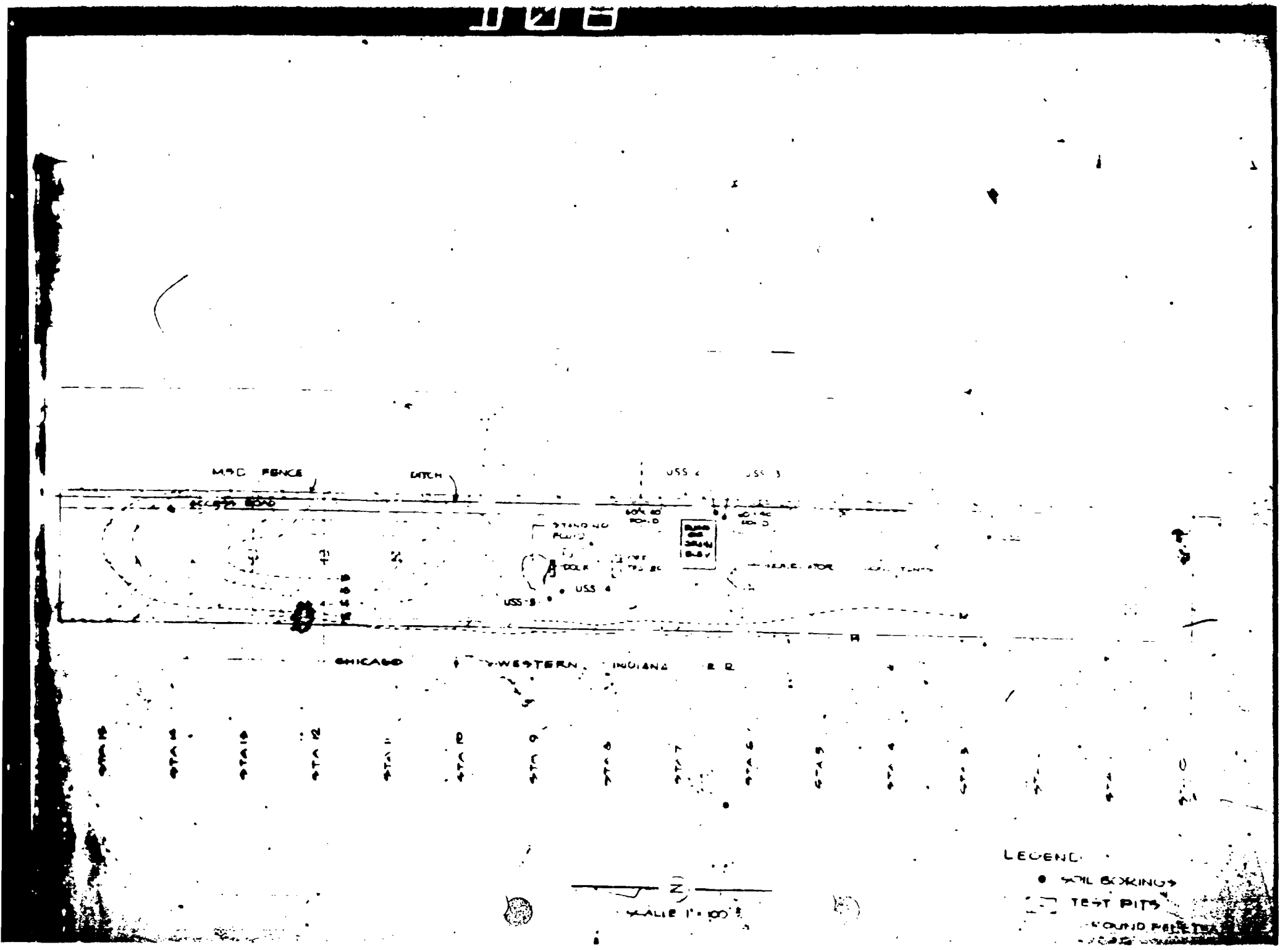

North Burn
Approx extent of cap and hot spots
Incinerator
Sheds
Isolated Hot Spots
"South Burn" approx extent of cap and hot spots
Few scattered hot spots beyond cap
Lagoon
Lagoon
Lagoon

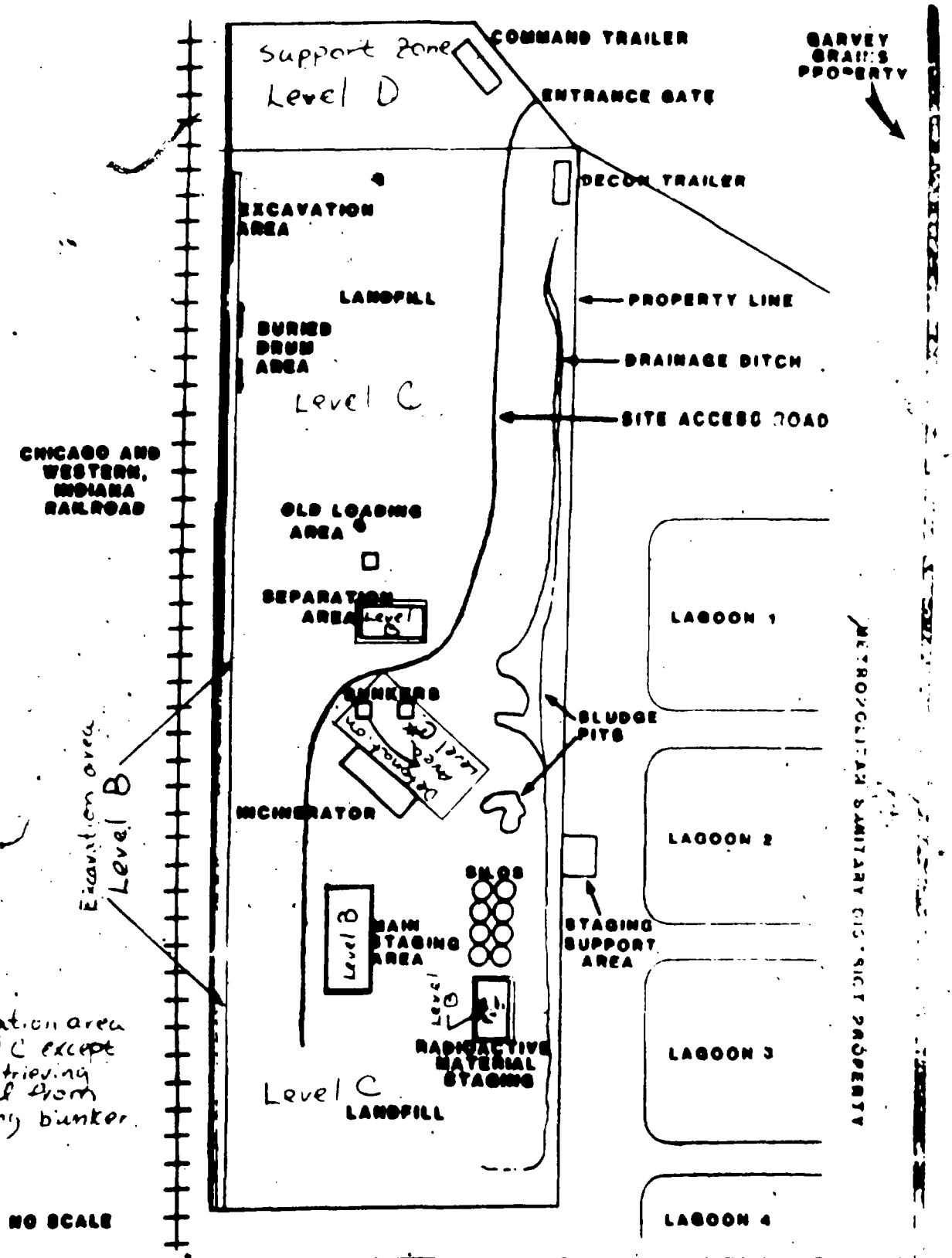

N
LAGOON
LAGOON
LAGOON
LAGOON
SILOS
FENCE


LAKE
CALUMET
CALUMET
119th St.
121st St.
125th St.
Stainless
Processing Inc.
U. S. SCRAP CORP.
M. S. D. ditch
Garvey elevator
EXPRESSWAY
N.Y. Central R.R.
Sta#7
elevator
Sta#2
M. S. D.
Sta#1
sand bags
CALUMET SEWAGE
Sta#4
TREATMENT PLANT
M. S. D.
Slough
Sta#6
Sta#8
I. W. C.
Not to Scale By
R. Earsley/June 20, 1975
Approved J. Corcoran



DITCH
USS-2
USS-3
STANDING FLUID
DOCK
OFF TRAILER
INCINERATOR
CONC TANKS
USS-4
USS-5
CHICAGO WESTERN INDIANA R.R.
STA 12
STA 11
STA 10
STA 9
STA 8
STA 7
STA 6
STA 5
STA 4
STA 3
STA 2
STA 1
STA 0
SCALE 1" = 100'
LEGEND
SOIL BORINGS
TEST PITS
GROUND PENETRA


MSD FENCE
DITCH
ACCESS ROAD
USS 2
USS 3
USS 4
USS 5
DOCK
CHICAGO
WESTERN
INDIANA
STA 12
STA 11
STA 10
STA 9
STA 8
STA 7
STA 6
STA 5
STA 4
LEGEND
SOIL BORINGS
TEST PITS
SCALE 1" = 100'

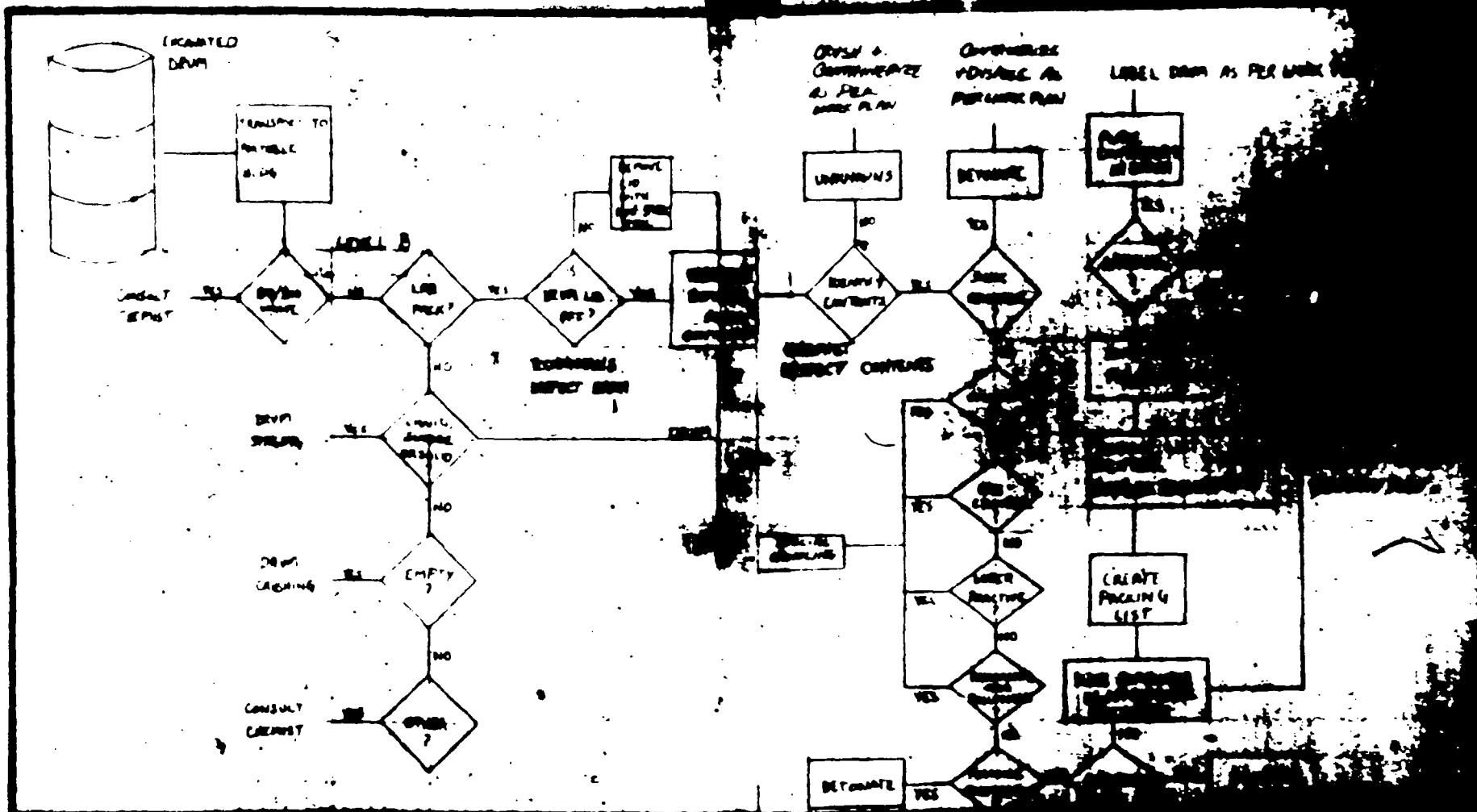


* Excavation area is level C except when retrieving material from crushing bunker.

FIGURE 2
PROPOSED SITE LAYOUT
U.S. SCRAP LANDFILL
CHICAGO, IL

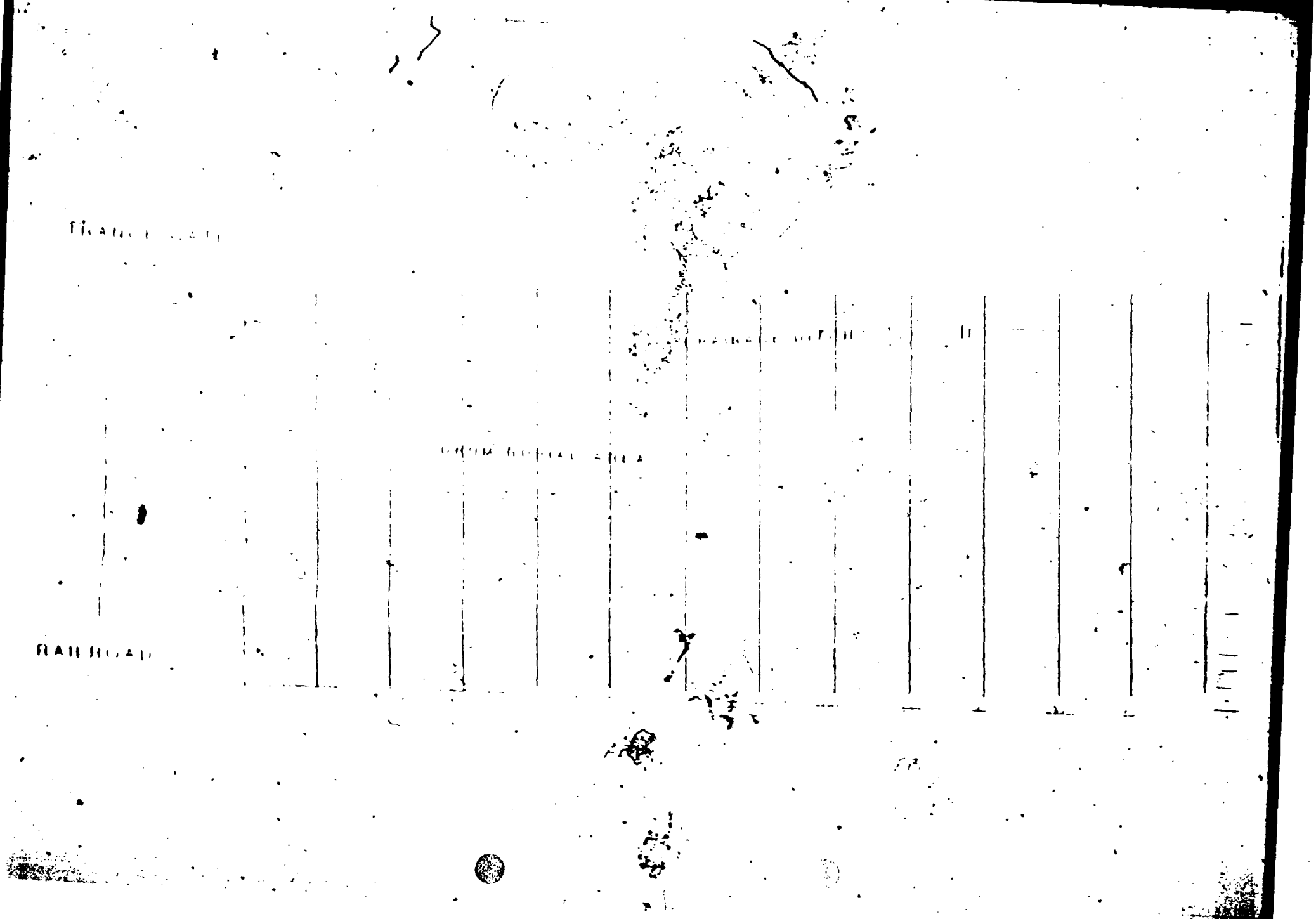
WESTON

DRAWN	DATE	DES ENG	DATE	TTD
CHECKED		APPROVED		



CALC NA				REVISION	PROJECT #3018 P18
DATE OCT 10, 1985	CHECKED				ERCS ZONE 3 CHICAGO, IL
SHEET 1 OF 1					U.S SCRAP LAB [illegible]
					LOGIC FLOWCHART

D 13



E 0 1

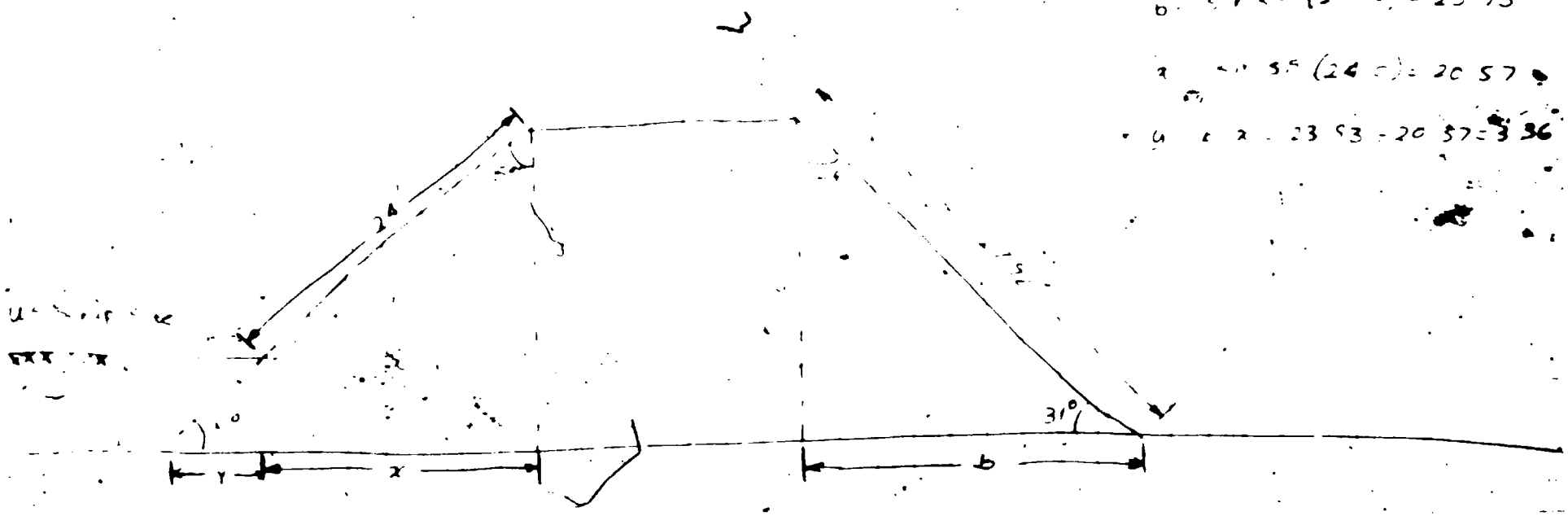
$$\frac{27.92}{\sin x} = \frac{a}{\sin x} = \frac{b}{\sin 59}$$

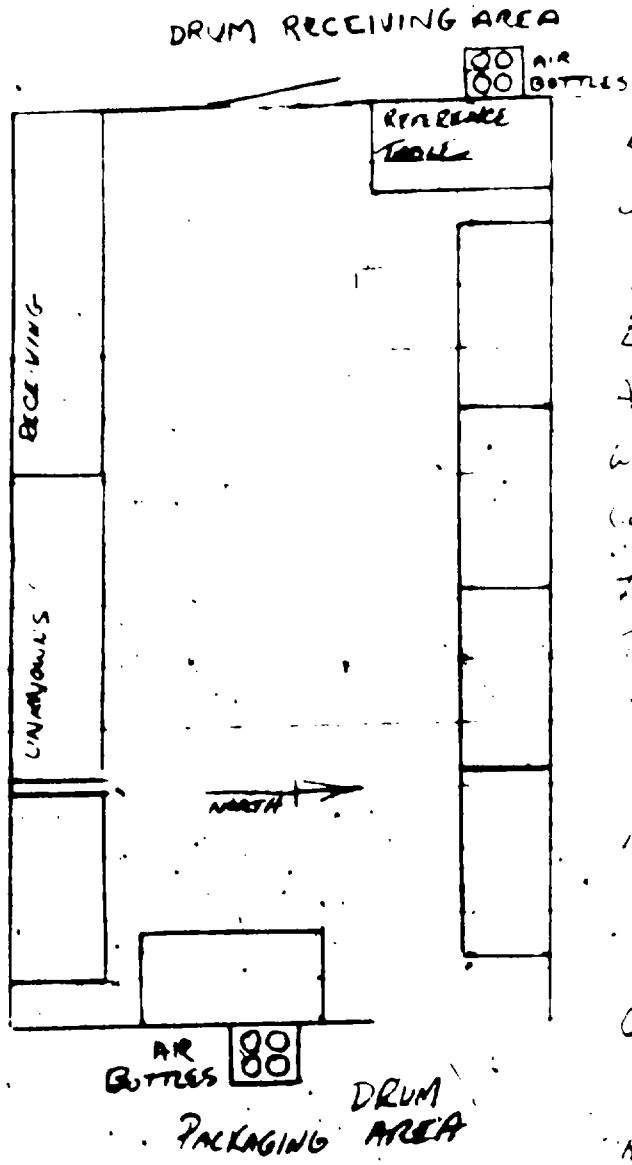
$a = \sin 59\,(27.92) = 14.38$

$b = \sin 59\,(27.92) = 23.93$

$x = \sin 59\,(24.0) = 20.57$

$y = b - x = 23.93 - 20.57 = 3.36$





RECOVERY TECHNICIANS REMOVE DRUM CONTENTS + PLACE ON RECEIVING TABLE.

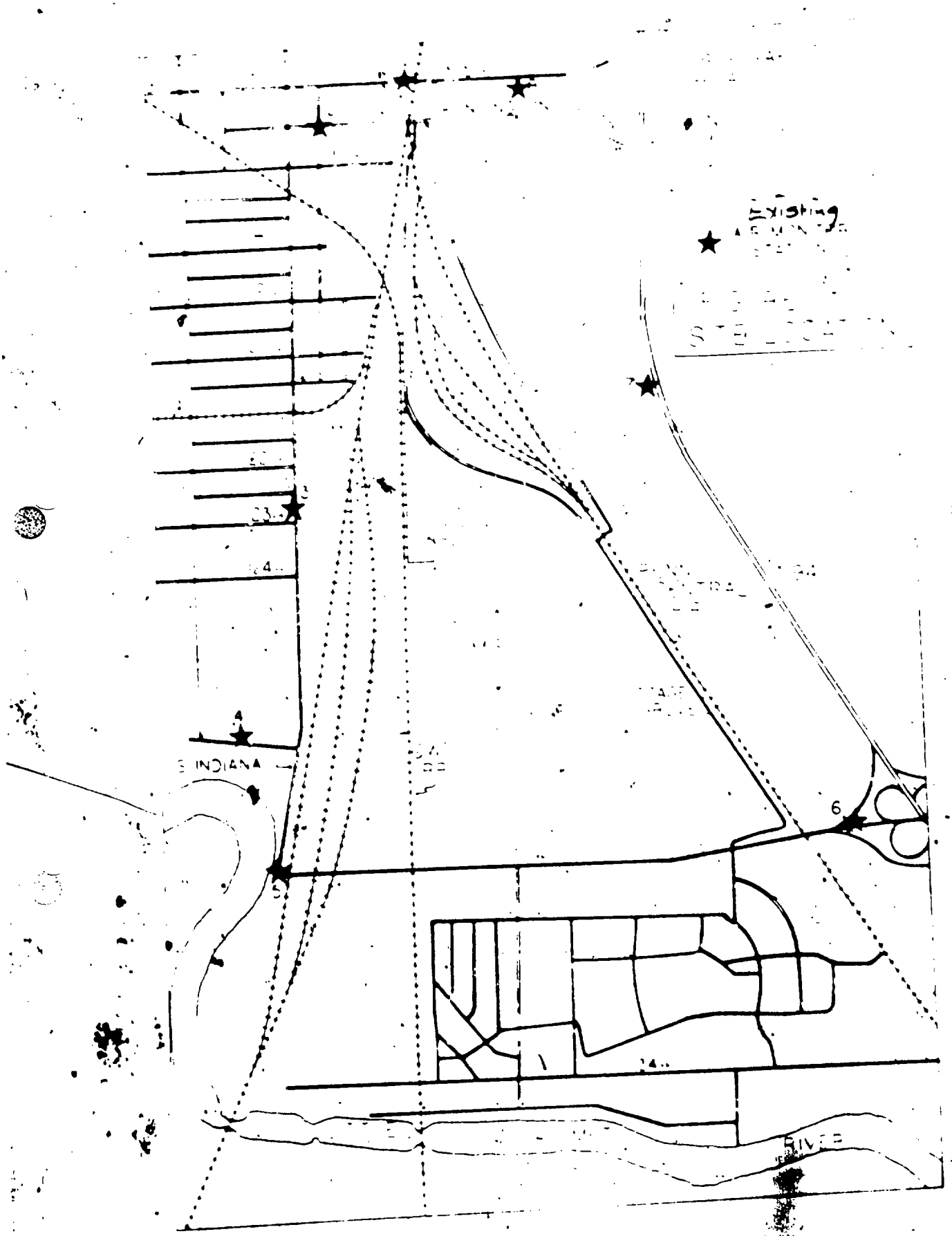
EACH TABLE WILL CONTAIN A SEPARATE CATAGORY. WHEN ENOUGH CONTENTS COMPLETE A DRUM ARE ON TABLE/SHELF, A LIST OF THESE MATERIALS WILL BE COMPILED.

AS THE TABLES ARE FULL AND ADDITIONAL ROOM IS NEEDED, THE TABLES WILL BE MOVED OUTSIDE AND COVERED WITH PLY/SHEETING.

CHEMIST(S) WILL ENTER THROUGH EAST DOOR. TECHNICIANS WILL ENTER THROUGH WEST DOOR.

THE LETTER OF THE COMPATIBLE GROUP FOLLOWED BY A SEQUENTIAL NUMBER OF HOW MANY DRUMS ARE IN THE GROUP (ex. B-3, B-3 THIRD DRUM) WILL BE MARKED ON THE TABLE.

TABLE/SHELVES WILL HAVE VERMICULITE LINING


Existing
INDIANA
RIVER
4
5
6