(fill-in areas are spaced for elite type, i.e., 1[illegible] characters/inch).

FORM 3510-3 RCRA

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

HAZARDOUS WASTE PERMIT APPLICATION

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER: F R I D 0 0 1 1 9 4 3 2 3

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below *(mark one box only)* to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

FOR EXISTING FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

C	YR.	MO.	DAY
8	4 9	0 4	– –

☐ 2. NEW FACILITY *(Complete item below.)*

FOR NEW FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

YR.	MO.	DAY

B. REVISED APPLICATION *(place an "X" below and complete Item I above)*

☐ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES – CODES AND DESIGN CAPACITIES

A. PROCESS CODE – Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the form *(Item III-C)*.

B. PROCESS DESIGN CAPACITY – For each code entered in column A enter the capacity of the process.

1. AMOUNT – Enter the amount.
2. UNIT OF MEASURE – For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER *(barrel, drum, etc.)*	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER *(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)*	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U

UNIT OF MEASURE	UNIT OF MEASURE CODE
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H

UNIT OF MEASURE	UNIT OF MEASURE CODE
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

Ciba Geigy
R.I.D.D.0.1.1.9.4.3.2.3
FILE LOC: R-1A

EXAMPLE FOR COMPLETING ITEM III *(shown in line numbers X-1 and X-2 below)*: A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C DUP T/A C 1

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G	
X-2	T 0 3	20	E	
1	S 0 1	100,000	G	
2	S 0 2	3,544,000	G	
3	T 0 4	2,200,000	U	
4	T 0 1	2,200,000	U	
5				
6				
7				
8				
9				
10				

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SEMS DocID 667407

III. PROCESSES *(continued)*

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES *(code "T04")*. FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

T04 WASTEWATER TREATMENT INCLUDING TRICKLING FILTERS AND CLARIFICATION DESIGN CAPACITY 2,200,000 GALLONS PER DAY. PROCESS ALSO INCLUDES 3,500,000 GALLONS EQUALIZATION AND NEUTRALIZATION CAPABILITY FOR CORROSIVE AND MIXED ORGANIC WASTEWATERS.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER – Enter the four–digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four–digit number*(s)* from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY – For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non–listed waste*(s)* that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE – For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:
   For listed hazardous waste: For each listed hazardous waste entered in column A select the code*(s)* from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.
   For non–listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code*(s)* from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non–listed hazardous wastes that possess that characteristic or toxic contaminant.
   Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code*(s)*.

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER – Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* – A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non–listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				*included with above*

 CONTINUE ON PAGE 3

EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
W R I D 0 0 1 1 9 4 3 2 3 — T/A C: 1	W — DUP — T/A C: 2 — DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D001	3,000,000	P	S02 S01	
2	D002	5,000,000	P	S02 T04	
3	F001	3,000	P	S02 S01	
4	F002	70,000	P	S02 S01	
5	F003	600,000	P	S02 S01 T04	
6	F004	5,000	P	S02 S01 T04	
7	F005	2,300,000	P	S02 S01 T04	
8	P005	5,000	P	S02 S01 T04	
9	P053	5,000	P	S02 S01 T04	
10	P054	5,000	P	S02 S01 T04	
11	U013	20,000	P	S01	
12	U002	20,000	P	S02 S01 T04	
13	U003	5,000	P	S01	
14	U007	5,000	P	S01	
15	U008	5,000	P	S01	
16	U009	5,000	P	S01	
17	U012	5,000	P	S01	
18	U025	1,000	P	S01	
19	U031	5,000	P	S02 S01 T04	
20	U037	5,000	P	S01	
21	U041	5,000	P	S01	
22	U044	5,000	P	S01	
23	U052	5,000	P	S01 T04	
24	U056	5,000	P	S01	
25	U070	5,000	P	S01	
26	U092	5,000	P	S01 T04	

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CONTINUE ON REVERSE

W	R	I	D	0	0	1	1	9	4	3	2	3		1

FOR OFFICIAL USE ONLY

W	DUP		2	DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)				D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U103	5,000		S01				
2	U113	5,000		S01				
3	U122	5,000		S01				
4	U123	5,000		T04	S01			
5	U133	5,000		S01				
6	U147	5,000		S01				
7	U151	50		S01				
8	U154	5,000		S02	S01	T04		
9	U159	5,000		S02	S01	T04		
10	U160	5		S01				
11	U161	5,000		S01				
12	U162	5,000		S01				
13	U165	5,000		S01				
14	U188	5,000		S01	T04			
15	U194	5,000		S01	T04			
16	U196	5,000		S01				
17	U211	5,000		S01				
18	U219	5,000		S01				
19	U220	5,000		S02	S01			
20	U226	5,000		S01				
21	U228	5,000		S01				
22	U239	5,000		S02	S01			
23	D003	5,000		S01				
24	D000	5,000		S01				
25	D011	1,000		S01				
26								

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CONTINUE ON REVERSE

IV. DESCRIPTION OF HAZARDOUS WASTES *(continued)*

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. *(enter from page 1)*

F R I D 0 0 1 1 9 4 3 2 3 T/A C 6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground—level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*
71 24 38	041 45 57

VIII. FACILITY OWNER

[X] A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*
E	

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
F	G		

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

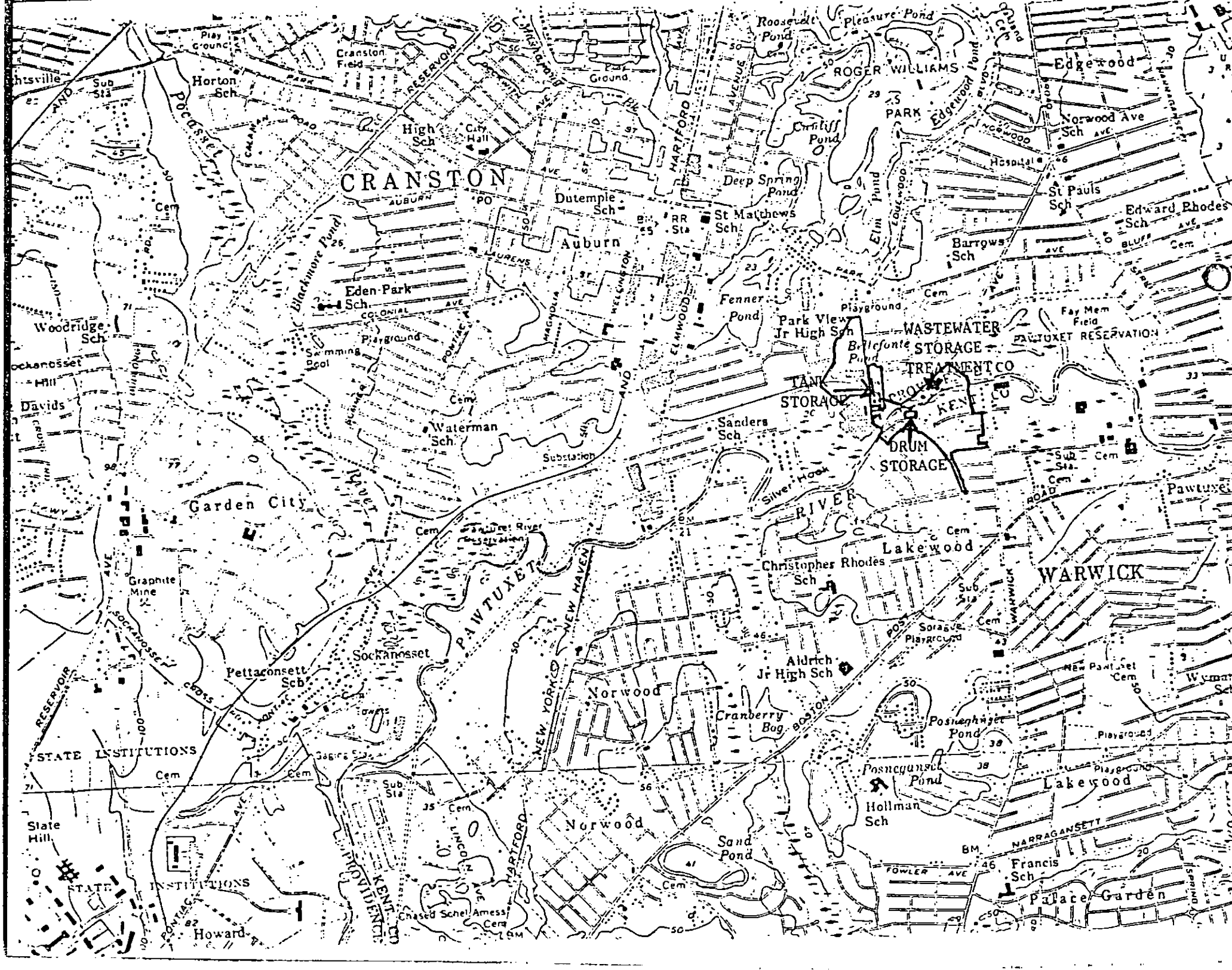
A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
JOSEPH T. SULLIVAN CORPORATE VICE PRESIDENT		11/14/80

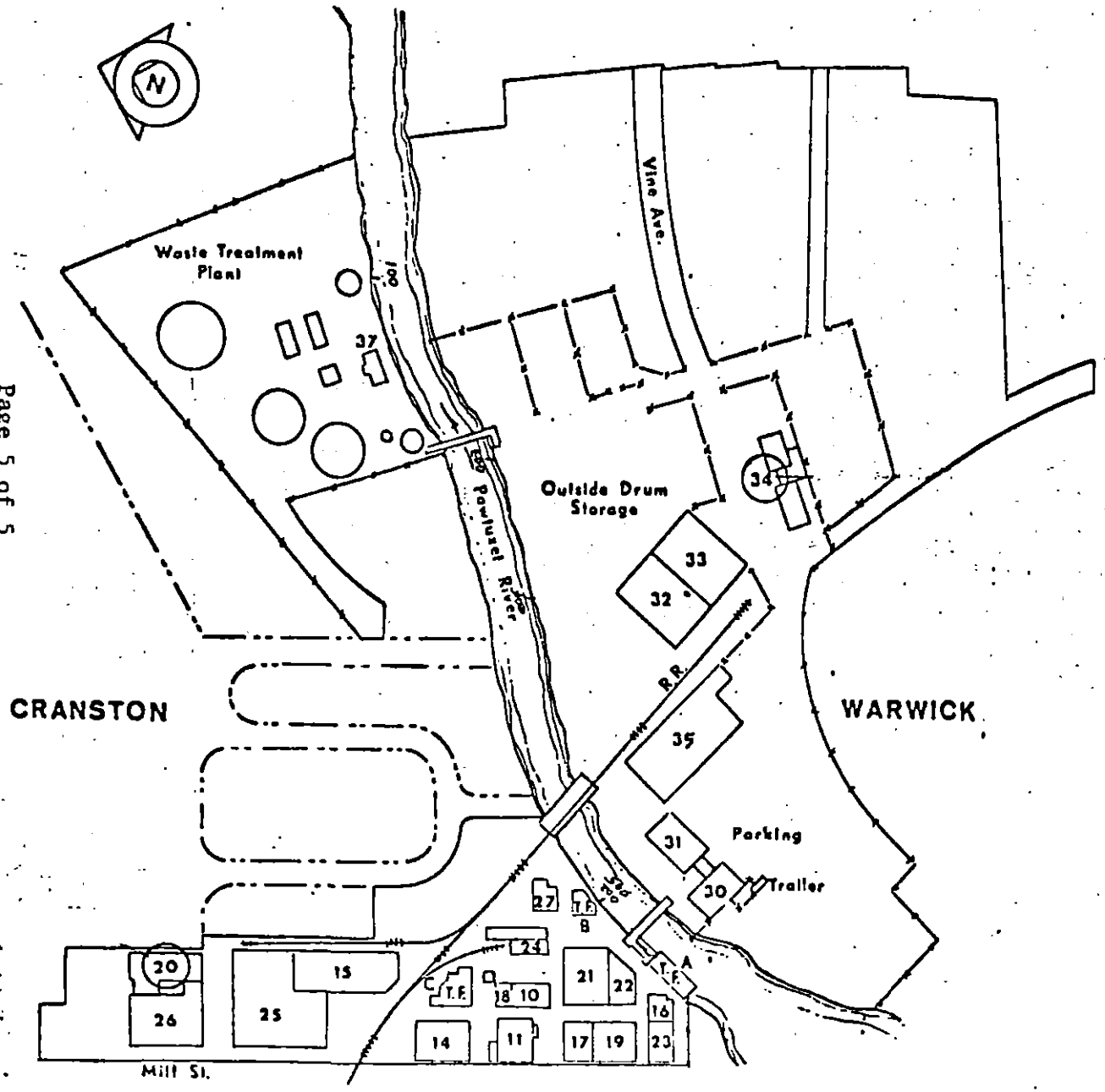
X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED

CONTINUE ON PAGE 5


CRANSTON
Auburn
Garden City
Lakewood
Norwood
WARWICK
Edgewood
ROGER WILLIAMS PARK
Roosevelt Pond
Pleasure Pond
Cranston Field
Play Ground
Horton Sch
High Sch
City Hall
Dutemple Sch
St Matthews Sch
Deep Spring Pond
Cunliff Pond
Elm Pond
Norwood Ave Sch
St Pauls Sch
Edward Rhodes Sch
Barrows Sch
Eden Park Sch
Woodridge Sch
Blackmore Pond
Fenner Pond
Park View Jr High Sch
Belleforte Pond
WASTEWATER TREATMENT CO
TANK STORAGE
DRUM STORAGE
Fay Mem Field
PAWTUXET RESERVATION
Waterman Sch
Sanders Sch
Substation
Silver Hook
Pawtuxet River
Christopher Rhodes Sch
Graphite Mine
Sockanosset
Pettaconsett Sch
Aldrich Jr High Sch
Cranberry Bog
Posnegansett Pond
Hollman Sch
Sand Pond
Francis Sch
Palace Garden
STATE INSTITUTIONS
State Hill
Howard
Chased Schel
Amess Cem
Sub Sta
Cem
Playground
Swimming Pool
Hospital
NEW HAVEN
NEW YORK
HARTFORD
PROVIDENCE
BOSTON
NARRAGANSETT
PAWTUXET
SOCKANOSSET
CROSS
RESERVOIR
PONTIAC
LINCOLN
FOWLER AVE
Sprague Playground
New Pawtuxet Cem



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LEGEND

Bldg No.	
10	Steam Plant
11	Manufacturing
14	Office
15	Warehouse
16	Pilot Plant
17	Drying, Grinding, Blending
18	Electrical
19	Manufacturing
20	Laboratory
21	Manufacturing
22	Manufacturing, Grinding & Blendin
23	Pilot Plant
24	Zinc Recovery System
25	Warehouse
26	Laboratory
27	Cooling Tower
30	Locker Room
31	Cafeteria
32	Warehouse (temporary)
33	Maintenance
34	Engineering & Employee Relations
35	Maintenance Dept
37	Waste Treatment Facility
40) 41)	See map next page

T.F. Tank Farms

Cranston	
Bellefont Area (next page)	21.4 ac
Manufacturing	8.8 ac
Waste Treatment Facility	5.8 ac
	35.0 ac
Warwick	27.5 ac
Total Acreage	62.5 ac

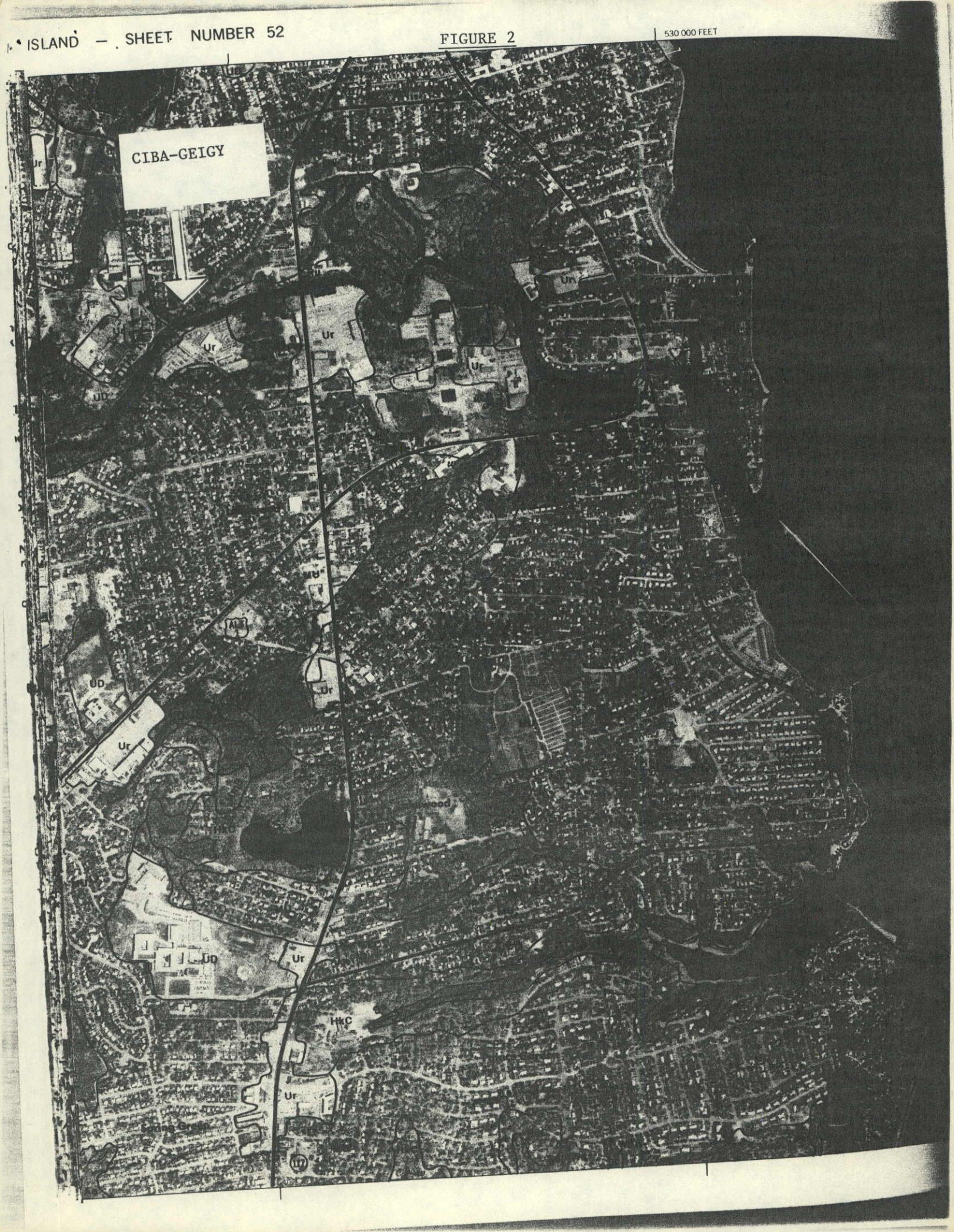
CIBA-GEIGY CORP.

Cranston, R. I. SITE PLAN

Scale 1" = 200'

ISLAND — SHEET NUMBER 52

FIGURE 2



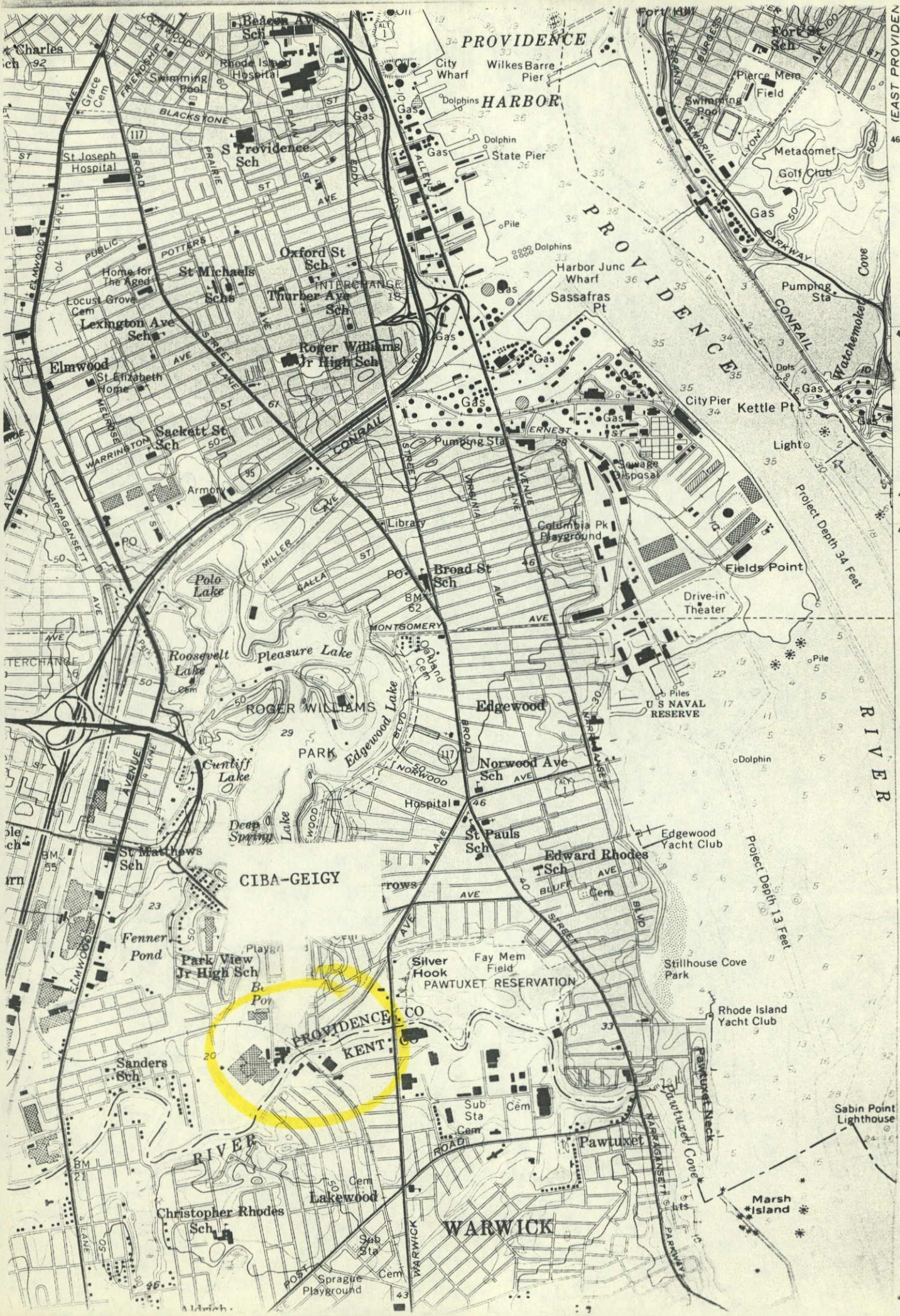
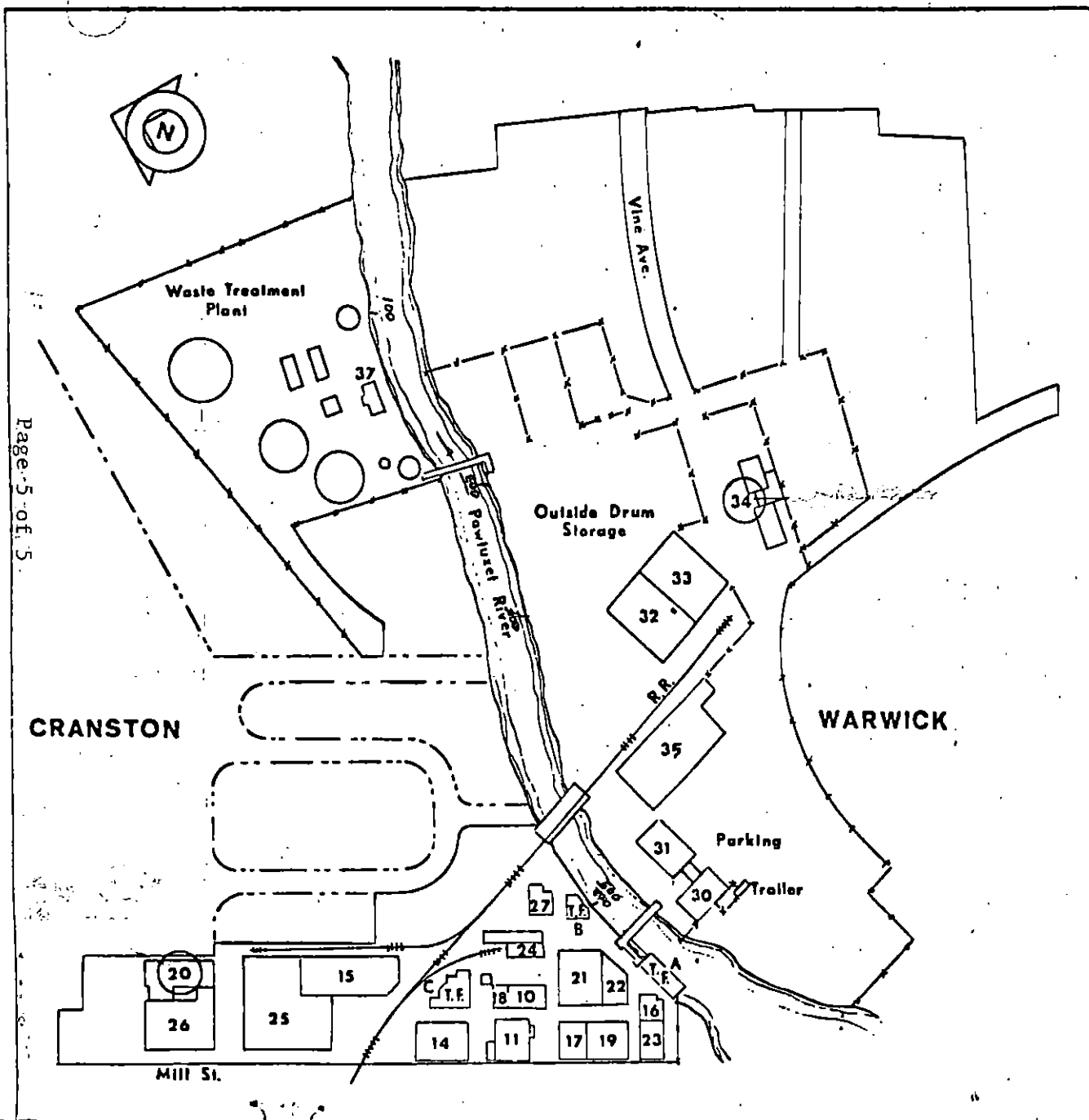

PROVIDENCE HARBOR
PROVIDENCE RIVER
WARWICK
CIBA-GEIGY
ROGER WILLIAMS PARK
PAWTUXET RESERVATION
Beacon Ave Sch
Rhode Island Hospital
Swimming Pool
Grace Cem
St Joseph Hospital
S Providence Sch
Oxford St Sch
St Michaels Sch
Thurber Ave Sch
Home for The Aged
Locust Grove Cem
Lexington Ave Sch
Roger Williams Jr High Sch
Elmwood
St Elizabeth Home
Sackett St Sch
Armory
Library
Polo Lake
Roosevelt Lake
Pleasure Lake
Oakland Cem
Edgewood Lake
Cuntiff Lake
Deep Spring Lake
Hospital
St Matthews Sch
Fenner Pond
Park View Jr High Sch
Sanders Sch
Christopher Rhodes Sch
Lakewood
Sprague Playground
Broad St Sch
Norwood Ave Sch
Edgewood
St Pauls Sch
Edward Rhodes Sch
Silver Hook
Fay Mem Field
Pawtuxet
Pawtuxet Neck
Pawtuxet Cove
Marsh Island
Sabin Point Lighthouse
Stillhouse Cove Park
Rhode Island Yacht Club
Edgewood Yacht Club
U S NAVAL RESERVE
Fields Point
Drive-in Theater
Columbia Pk Playground
Sewage Disposal
Pumping Sta
City Pier
Kettle Pt
Light
Harbor Junc Wharf
Sassafras Pt
Dolphin State Pier
Wilkes Barre Pier
City Wharf
Pierce Mem Field
Metacomet Golf Club
Watchemoket Cove
Project Depth 34 Feet
Project Depth 13 Feet
CONRAIL
PARKWAY
BLACKSTONE BLVD
BROAD ROAD
NARRAGANSETT PARKWAY
(EAST PROVIDENCE) 6767 IV SE
RIVERSIDE 4 MI.
BARRINGTON 7.5 MI.
SOUTH SEEKONK, MASS. 3.5 MI.
FALL RIVER, MASS. 15 MI.
47'30"

FIGURE 1



LEGEND

Bldg No.	
10	Steam Plant
11	Manufacturing
14	Office
15	Warehouse
16	Pilot Plant
17	Drying, Grinding, Blending
18	Electrical
19	Manufacturing
20	Laboratory
21	Manufacturing
22	Manufacturing, Grinding & Blending
23	Pilot Plant
24	Zinc Recovery System
25	Warehouse
26	Laboratory
27	Cooling Tower
30	Locker Room
31	Cafeteria
32	Warehouse (temporary)
33	Maintenance
34	Engineering & Employee Relations
35	Maintenance Dept
37	Waste Treatment Facility
40) 41)	See map next page

T.F. Tank Farms

Cranston	
Bellefont Area (next page)	22.4 acres
Manufacturing	6.8 acres
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	35.0 acres
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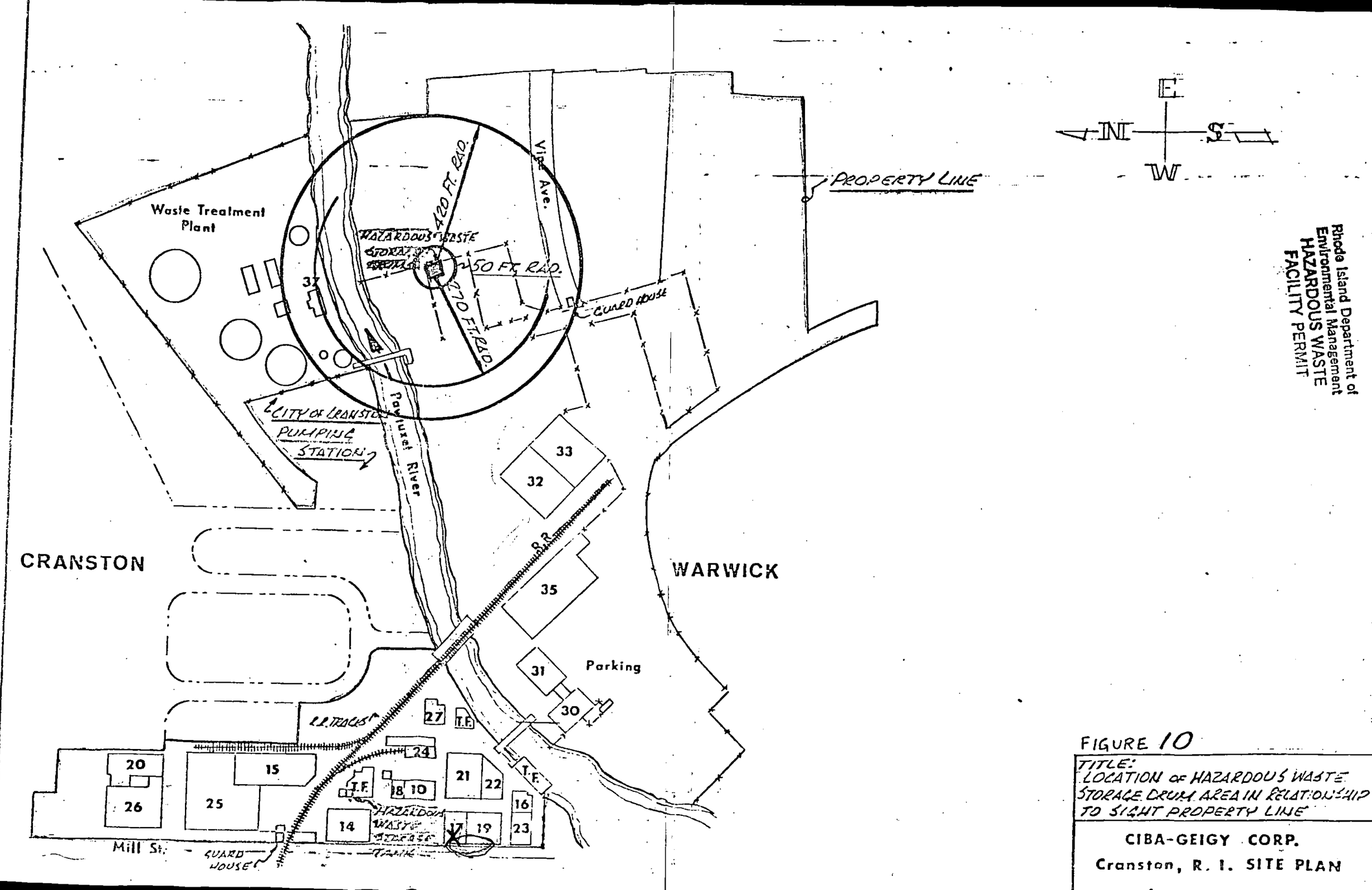
CIBA-GEIGY CORP.
Cranston, R. I. SITE PLAN
Scale 1" = 200' 1980



Rhode Island Department of Environmental Management
HAZARDOUS WASTE FACILITY PERMIT

FIGURE 10

TITLE: LOCATION OF HAZARDOUS WASTE STORAGE DRUM AREA IN RELATIONSHIP TO SIGHT PROPERTY LINE

CIBA-GEIGY CORP.

Cranston, R. I. SITE PLAN