

MEMORANDUM

TO: Peter Shumlin, Governor

THROUGH: Deb Markowitz, Secretary, Agency of Natural Resources

FROM: David Mears, Commissioner, Department of Environmental Conservation

DATE: June 17, 2015

SUBJECT: Easement Acquisition Approval for IBM Essex Junction and Williston facility

Your approval is requested pursuant to Title 10, § 6615 and 10 V.S.A. Chapter 155, for the acceptance of the easement acquisition referenced below. Natural Resources Land Acquisition Committee approval is not required for this acquisition. Joint Fiscal approval is not required for this acquisition.

Description and Background

IBM has owned a semiconductor manufacturing facility in Essex Junction and Williston Vermont for many years. Due to past practices, there were releases of hazardous wastes that from 1985 to present were managed under a Resource Conservation and Recovery Act (RCRA) and Vermont Hazardous Waste Certification. IBM has worked with the State to take all requested measures to ensure the remediation and proper management of releases that have taken place from their facilities.

In response to their sale of the facility to GLOBALFOUNDRIES US 2 LLC (Global Foundries), the State (through both ANR and the Attorney General's Office) and IBM have agreed upon a consent order that makes the requirements of their RCRA certification a part of a court order binding upon IBM. IBM will continue management of the remediation activities at the site until the State makes a determination that the site meets environmental standards.

In addition to the consent order, IBM has placed certain use restrictions on the site that will prevent the future use of the site for non-commercial/industrial purposes. The State is also a holder of these restrictions and is being granted a right to access the property to ensure the proper operation of the remedial systems.

Attached to this document are the grant of easement that is being granted to the State of Vermont and a copy of the restrictions being retained by IBM that are incorporated by reference into the State's grant.

Ownership and Management

The property is owned by IBM and will be transferred to Global Foundries. The primary responsibility of ensuring compliance with these easements rests with IBM. The State of Vermont has oversight authority and enforcement authority over these restrictions and the current owner.

Budget and Funding

Funding for the continuing obligation of any future required property maintenance is funded by the current owner.

APPROVAL FOR LAND ACQUISITION

We, the undersigned, hereby approve the acquisition by the State of Vermont, Agency of Natural Resources, Department of Environmental Conservation, of the Grant of Use Restrictions and Access Rights Easement on the property consisting of 131 acres, more or less, located at 269 and 275 Chip Alley, Williston, Vermont, and 1000 River Street, Essex Junction, Vermont.

This approval is pursuant to Title 10 §§ 6606, 6615 and 10 V.S.A. Chapter 155.

6-30-15

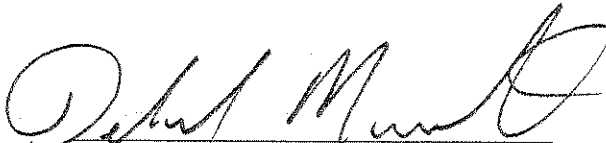
Date



Peter Shumlin, Governor
State of Vermont

6-17-15

Date



Deb Markowitz, Secretary
Agency of Natural Resources

6/16/15

Date



David K. Mears, Commissioner
Dept. of Environmental Conservation

ENVIRONMENTAL EASEMENT

THIS ENVIRONMENTAL EASEMENT made between INTERNATIONAL BUSINESS MACHINES CORPORATION, having an office at One New Orchard Road, Armonk, New York ("IBM") or ("Grantor"), and the Secretary of the Vermont Agency of Natural Resources, the Vermont Department of Environmental Conservation and its designees ("Secretary") or ("Grantee"),

WHEREAS, Grantor, is the owner of real property located at Champlain Valley Technology and Innovation Park, 1000 River Street, Essex Junction, Vermont and 326 IBM Road, Williston, Vermont (collectively, the "Facility") and as shown and described more completely in Exhibit A, attached;

WHEREAS, IBM and the Secretary have entered into a Consent Order under which the Secretary has declared IBM's legal obligations to conduct an environmental remediation within a portion of the Facility including to: (1) capture and treat contaminated groundwater; (2) remediate, manage and control soil contamination; (3) manage and control air emissions related to the environmental remediation; and (4) provide a cost estimate and financial assurance for the continued remediation under the Consent Order;

WHEREAS, the Secretary will issue certain permits to the Grantor in connection with the continued environmental remediation at the Facility;

NOW THEREFORE, in consideration of the mutual covenants contained herein, IBM conveys to the Secretary a permanent Environmental Easement in, on, over, under, and upon the Facility as more fully described herein ("Environmental Easement").

1. Purpose. Grantor and Grantee acknowledge that the purpose of this Environmental Easement is to convey to Grantee real property rights and interests that will run with the land. The Secretary shall have access to the Facility, including the treatment systems and monitoring wells owned by IBM at the Facility in order to monitor and assess IBM's performance and progress of the environmental remediation under the Consent Order and under any permits.

2. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Facility in a reasonable manner and at reasonable times to assure compliance.

3. Restricted Uses and Obligations. Grantor shall comply with all restrictions, easements, covenants, and obligations in the same manner as required by Paragraph 6 (Obligations and Prohibitions) of the document titled "Declaration of Restrictions, Easements, and Covenants" recorded at Book ___, Page ___ in the Essex Land Records on _____ (date of recording).

4. Enforcement.

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor or Grantee against the owner of the Facility, any lessees, and any person using the Facility. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental

Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

5. Notice. To the extent that Grantor is not the owner the Facility, and may not have representatives present at the Facility to provide access to certain wells or other remediation equipment, Grantee shall notify Grantor at least twenty-four (24) hours before entering the Facility, unless an emergency situation exists.

Whenever giving notice to the Grantor, the Party providing such notice shall address correspondence to:

IBM Corporate Environmental Affairs
8976 Wellington Road
Manassas, Virginia 20109-3925

With a copy to

IBM Environmental Counsel
294 Route 100
Somers, New York 10589

Whenever giving notice to the Grantee, the Party providing such notice shall address correspondence to:

Office of General Counsel
Vermont Department of Environmental Conservation
1 National Life Drive, Davis 2
Montpelier, VT 05620-3901

With a copy to:

DEC Site Remediation Project Manager
Vermont Department of Environmental Protection
Waste Management and Prevention Division
1 National Life Drive, Davis 1
Montpelier, VT 05620-3901

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may agree for other means of receiving and communicating notices and responses to requests for approval.

6. Recordation. Grantor shall record this instrument within 30 days of execution of this instrument by the Secretary or the Secretary's designee, in the office of the recording officer for the County where the Facility is located.

7. Amendment. Any amendment to this Environmental Easement may only be executed by the Grantor and the Secretary of the Vermont Agency of Natural Resources or the Secretary's designee, and filed with the office of the recording officer for the County where the Facility is located.

8. Extinguishment. This Environmental Easement may be extinguished only by a release by the Secretary or the Secretary's Designee.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

WKS

INTERNATIONAL BUSINESS MACHINES CORPORATION:

By: Nick D'Anniballe

Print Name: Nick D'Anniballe
Director, Real Estate Investments

Title: _____ Date: 6/17/2015

Grantor's Acknowledgment

STATE OF NEW YORK)
COUNTY OF Westchester) ss:

On the 17 day of June, in the year 2015, before me, the undersigned, personally appeared Nick D'Anniballe, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Ann C. McEvily
Notary Public

ANN C. McEVILY
NOTARY PUBLIC, State of New York
No. 4929713
Qualified in Westchester County
Commission Expires August 8, 2018

IN WITNESS WHEREOF, Grantee has caused this instrument to be signed in its name.

SECRETARY, VERMONT AGENCY OF NATURAL RESOURCES:

By: _____
David K. Mears, Commissioner
Department of Environmental Conservation

Title: _____ Date: _____

Grantee's Acknowledgment

STATE OF VERMONT).
) ss:
)

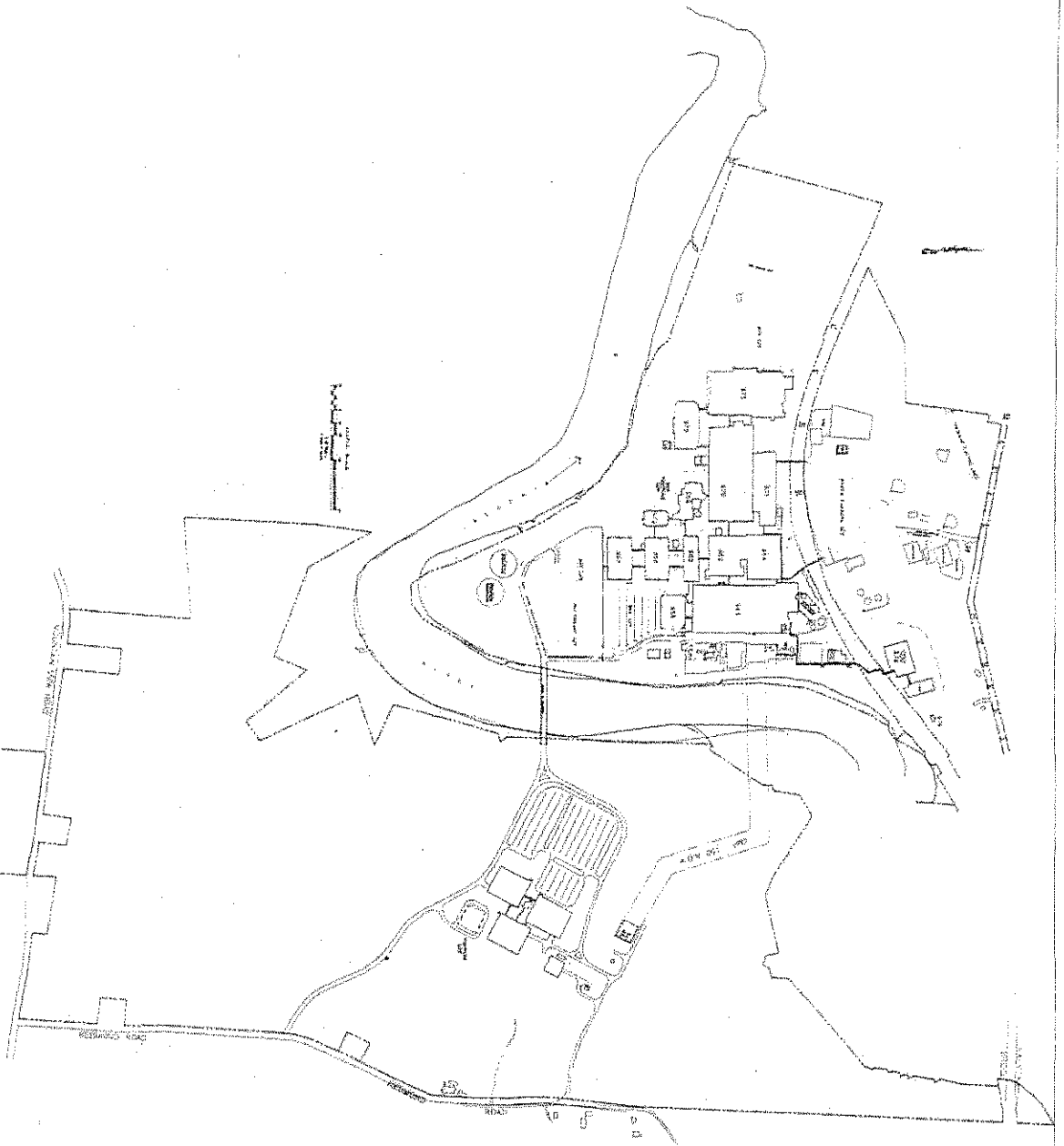
On the _____ day of _____, in the year 20__, before me, the undersigned, personally appeared, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Secretary or Designee of the Vermont Agency of Natural Resources, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Notary Public

EXHIBIT "A" FACILITY DESCRIPTION AND FIGURE

- A Figure depicting the "Overall Site Plan" including the Essex and Williston portions of the Facility.
- A Figure depicting the Essex portion of the Facility, with metes and bounds description.
- A Figure depicting the Williston portion of the Facility, with metes and bounds description.

PARK STREET



Scale 1" = 100'

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE U.S. NATIONAL BUILDING CODE AND THE LATEST EDITIONS OF THE U.S. NATIONAL ELECTRICAL CODE.

2. ALL MATERIALS SHALL BE OF THE BEST QUALITY AND SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE CITY ENGINEER.

3. ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

4. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INSURANCE AND BONDS.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL PERSONS AND PROPERTY DURING THE CONSTRUCTION PROCESS.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL DEBRIS AND WASTE MATERIAL.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL ACCESS TO ADJACENT PROPERTIES.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES FROM DAMAGE DURING THE CONSTRUCTION PROCESS.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES FROM POLLUTION DURING THE CONSTRUCTION PROCESS.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES FROM NOISE DURING THE CONSTRUCTION PROCESS.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES FROM VIBRATION DURING THE CONSTRUCTION PROCESS.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES FROM AIR POLLUTION DURING THE CONSTRUCTION PROCESS.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES FROM WATER POLLUTION DURING THE CONSTRUCTION PROCESS.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES FROM SOIL POLLUTION DURING THE CONSTRUCTION PROCESS.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES FROM CLIMATE CHANGE DURING THE CONSTRUCTION PROCESS.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES FROM NATURE DURING THE CONSTRUCTION PROCESS.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES FROM HUMAN ACTIVITY DURING THE CONSTRUCTION PROCESS.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES FROM ALL OTHER POTENTIAL RISKS DURING THE CONSTRUCTION PROCESS.

LEGEND

1. EXISTING BUILDING

2. NEW BUILDING

3. EXISTING DRIVEWAY

4. NEW DRIVEWAY

5. EXISTING PARKING

6. NEW PARKING

7. EXISTING ROAD

8. NEW ROAD

9. EXISTING FENCE

10. NEW FENCE

11. EXISTING UTILITY

12. NEW UTILITY

13. EXISTING LANDSCAPE

14. NEW LANDSCAPE

15. EXISTING TREES

16. NEW TREES

17. EXISTING PLANTS

18. NEW PLANTS

19. EXISTING SOIL

20. NEW SOIL

21. EXISTING WATER

22. NEW WATER

23. EXISTING AIR

24. NEW AIR

25. EXISTING CLIMATE

26. NEW CLIMATE

27. EXISTING NATURE

28. NEW NATURE

29. EXISTING HUMAN ACTIVITY

30. NEW HUMAN ACTIVITY

31. EXISTING ALL OTHER POTENTIAL RISKS

32. NEW ALL OTHER POTENTIAL RISKS

APPENDIX A

1. EXISTING BUILDING

2. NEW BUILDING

3. EXISTING DRIVEWAY

4. NEW DRIVEWAY

5. EXISTING PARKING

6. NEW PARKING

7. EXISTING ROAD

8. NEW ROAD

9. EXISTING FENCE

10. NEW FENCE

11. EXISTING UTILITY

12. NEW UTILITY

13. EXISTING LANDSCAPE

14. NEW LANDSCAPE

15. EXISTING TREES

16. NEW TREES

17. EXISTING PLANTS

18. NEW PLANTS

19. EXISTING SOIL

20. NEW SOIL

21. EXISTING WATER

22. NEW WATER

23. EXISTING AIR

24. NEW AIR

25. EXISTING CLIMATE

26. NEW CLIMATE

27. EXISTING NATURE

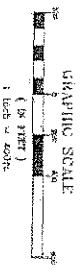
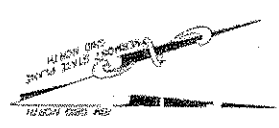
28. NEW NATURE

29. EXISTING HUMAN ACTIVITY

30. NEW HUMAN ACTIVITY

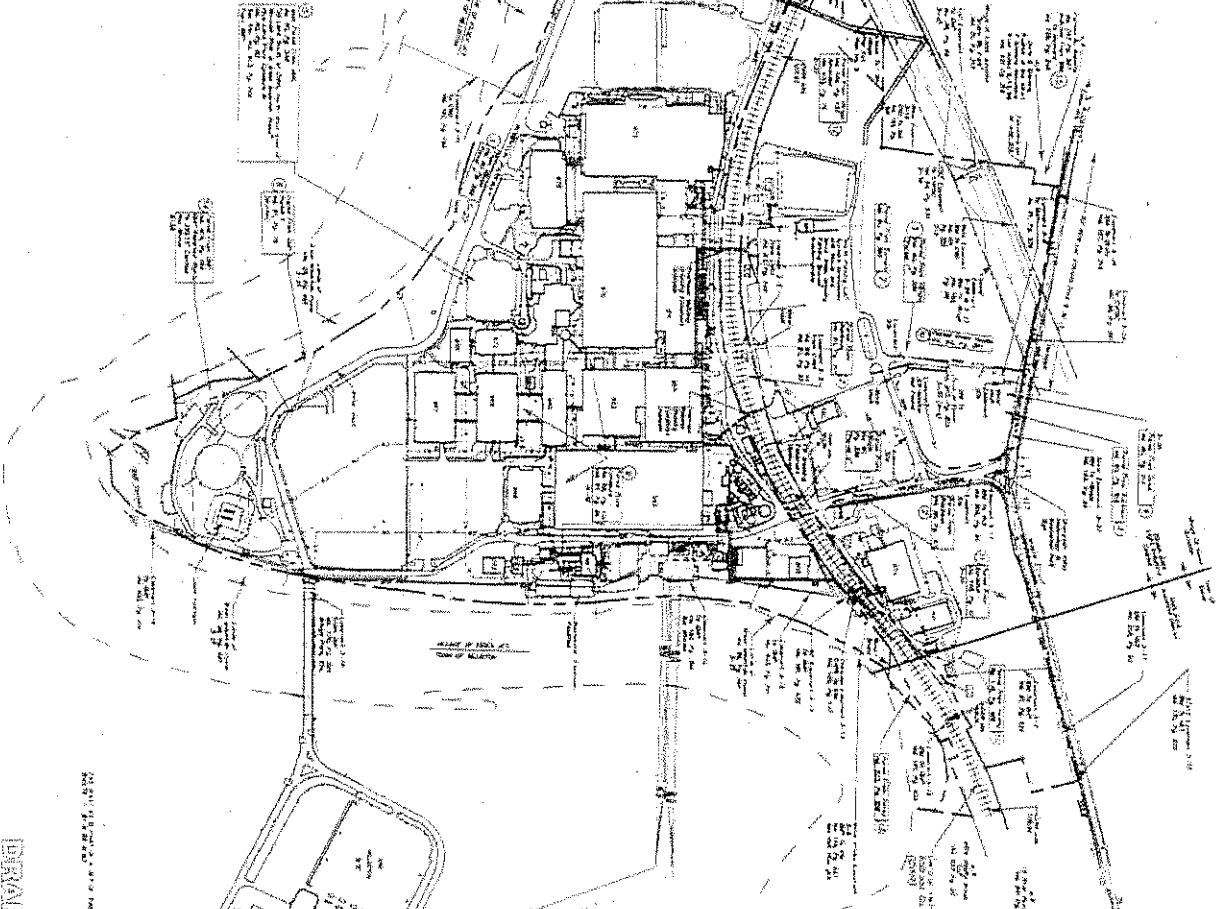
31. EXISTING ALL OTHER POTENTIAL RISKS

32. NEW ALL OTHER POTENTIAL RISKS



GRAPHIC SCALE
(IN FEET)
1 inch = 400 ft

- Legend**
- 1. Proposed New Building
 - 2. Existing Building
 - 3. Proposed New Parking Lot
 - 4. Existing Parking Lot
 - 5. Proposed New Driveway
 - 6. Existing Driveway
 - 7. Proposed New Road
 - 8. Existing Road
 - 9. Proposed New Sidewalk
 - 10. Existing Sidewalk
 - 11. Proposed New Fence
 - 12. Existing Fence
 - 13. Proposed New Gate
 - 14. Existing Gate
 - 15. Proposed New Sign
 - 16. Existing Sign
 - 17. Proposed New Light
 - 18. Existing Light
 - 19. Proposed New Tree
 - 20. Existing Tree
 - 21. Proposed New Plant
 - 22. Existing Plant
 - 23. Proposed New Animal
 - 24. Existing Animal
 - 25. Proposed New Person
 - 26. Existing Person
 - 27. Proposed New Object
 - 28. Existing Object
 - 29. Proposed New Feature
 - 30. Existing Feature



DRAFT

NO. 1000-1000-1000



ESSEX VERMONT SITE

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1820-1821, 1822-1823

- ⑤ See 26.00, p. 9. *Noted* in margin.
- ⑥ See 26.00, p. 12. *Noted* in margin.
- ⑦ See 26.00, p. 13. *Noted* in margin.
- ⑧ See 26.00, p. 200. *Noted* in margin.
- ⑨ *Noted* in margin.
- ⑩ See 26.00, p. 212. *Noted* in margin.
- ⑪ See 26.00, p. 7. *Noted* in margin.
- ⑫ See 26.00, p. 7. *Noted* in margin.

1. What is the purpose of the document?
 The purpose of the document is to provide a detailed account of the events surrounding the [redacted] case, including the investigation, the trial, and the final verdict.

2. What are the key facts of the case?
 The key facts of the case are as follows: [redacted] was charged with [redacted] on [redacted] at [redacted]. The case was heard in the [redacted] Court, and the trial took place on [redacted]. The jury returned a verdict of [redacted] on [redacted].

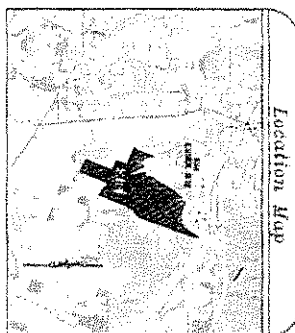
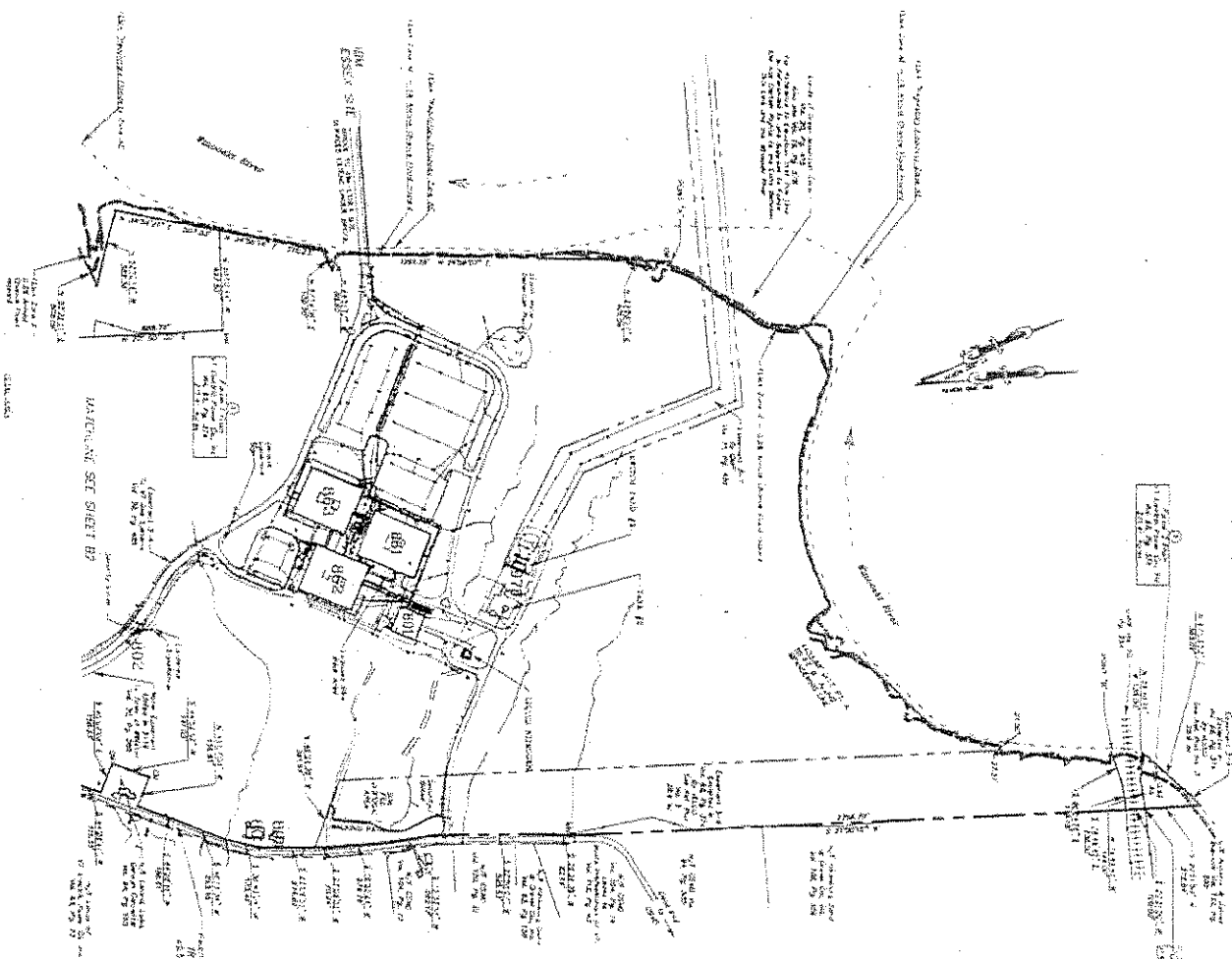
3. What are the arguments presented by the prosecution and the defense?
 The prosecution presented the following arguments: [redacted] was the author of the crime, and the evidence presented at trial was sufficient to prove guilt beyond a reasonable doubt. The defense presented the following arguments: [redacted] was not the author of the crime, and the evidence presented at trial was insufficient to prove guilt beyond a reasonable doubt.

4. What is the final verdict and sentence?
 The final verdict and sentence is as follows: [redacted] was found guilty of [redacted] and sentenced to [redacted] years in prison.

5. What are the conclusions of the document?
 The conclusions of the document are as follows: [redacted] was the author of the crime, and the evidence presented at trial was sufficient to prove guilt beyond a reasonable doubt. The defense's arguments were not persuasive, and the jury's verdict was correct.

Ernst, N. 1990. p. 249-253

Run	Time	Temp	Pressure	Flow	Volume	Weight	Conc	Notes
1	10.0	100	100	100	100	100	100	100
2	10.0	100	100	100	100	100	100	100
3	10.0	100	100	100	100	100	100	100
4	10.0	100	100	100	100	100	100	100
5	10.0	100	100	100	100	100	100	100
6	10.0	100	100	100	100	100	100	100
7	10.0	100	100	100	100	100	100	100
8	10.0	100	100	100	100	100	100	100
9	10.0	100	100	100	100	100	100	100
10	10.0	100	100	100	100	100	100	100
11	10.0	100	100	100	100	100	100	100
12	10.0	100	100	100	100	100	100	100
13	10.0	100	100	100	100	100	100	100
14	10.0	100	100	100	100	100	100	100
15	10.0	100	100	100	100	100	100	100
16	10.0	100	100	100	100	100	100	100
17	10.0	100	100	100	100	100	100	100
18	10.0	100	100	100	100	100	100	100
19	10.0	100	100	100	100	100	100	100
20	10.0	100	100	100	100	100	100	100
21	10.0	100	100	100	100	100	100	100
22	10.0	100	100	100	100	100	100	100
23	10.0	100	100	100	100	100	100	100
24	10.0	100	100	100	100	100	100	100
25	10.0	100	100	100	100	100	100	100
26	10.0	100	100	100	100	100	100	100
27	10.0	100	100	100	100	100	100	100
28	10.0	100	100	100	100	100	100	100
29	10.0	100	100	100	100	100	100	100
30	10.0	100	100	100	100	100	100	100
31	10.0	100	100	100	100	100	100	100
32	10.0	100	100	100	100	100	100	100
33	10.0	100	100	100	100	100	100	100
34	10.0	100	100	100	100	100	100	100
35	10.0	100	100	100	100	100	100	100
36	10.0	100	100	100	100	100	100	100
37	10.0	100	100	100	100	100	100	100
38	10.0	100	100	100	100	100	100	100
39	10.0	100	100	100	100	100	100	100
40	10.0	100	100	100	100	100	100	100
41	10.0	100	100	100	100	100	100	100
42	10.0	100	100	100	100	100	100	100
43	10.0	100	100	100	100	100	100	100
44	10.0	100	100	100	100	100	100	100
45	10.0	100	100	100	100	100	100	100
46	10.0	100	100	100	100			



Index

[illegible]

problem	math
1. A car starts from rest and accelerates at 2 m/s^2 . How fast is it moving after 5 s ?	$v = u + at = 0 + 2 \times 5 = 10 \text{ m/s}$
2. A ball is thrown upwards with an initial velocity of 15 m/s . How high does it go?	$v^2 = u^2 + 2as \implies 0 = 15^2 + 2(-9.8)s \implies s = 11.46 \text{ m}$
3. A car starts from rest and accelerates at 3 m/s^2 . How far does it travel in 10 s ?	$s = ut + \frac{1}{2}at^2 = 0 + \frac{1}{2} \times 3 \times 10^2 = 150 \text{ m}$
4. A car starts from rest and accelerates at 4 m/s^2 . How long does it take to reach 20 m/s ?	$v = u + at \implies 20 = 0 + 4t \implies t = 5 \text{ s}$
5. A car starts from rest and accelerates at 5 m/s^2 . How far does it travel in 8 s ?	$s = ut + \frac{1}{2}at^2 = 0 + \frac{1}{2} \times 5 \times 8^2 = 160 \text{ m}$
6. A car starts from rest and accelerates at 6 m/s^2 . How long does it take to reach 30 m/s ?	$v = u + at \implies 30 = 0 + 6t \implies t = 5 \text{ s}$
7. A car starts from rest and accelerates at 7 m/s^2 . How far does it travel in 12 s ?	$s = ut + \frac{1}{2}at^2 = 0 + \frac{1}{2} \times 7 \times 12^2 = 504 \text{ m}$
8. A car starts from rest and accelerates at 8 m/s^2 . How long does it take to reach 40 m/s ?	$v = u + at \implies 40 = 0 + 8t \implies t = 5 \text{ s}$
9. A car starts from rest and accelerates at 9 m/s^2 . How far does it travel in 15 s ?	$s = ut + \frac{1}{2}at^2 = 0 + \frac{1}{2} \times 9 \times 15^2 = 1012.5 \text{ m}$
10. A car starts from rest and accelerates at 10 m/s^2 . How long does it take to reach 50 m/s ?	$v = u + at \implies 50 = 0 + 10t \implies t = 5 \text{ s}$

[illegible]

100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000

[illegible]
$$\begin{array}{l}
\text{1. } \text{H}_2\text{O} + \text{CO}_2 \rightleftharpoons \text{H}_2\text{CO}_3 \rightleftharpoons \text{H}^+ + \text{HCO}_3^- \\
\text{2. } \text{HCO}_3^- \rightleftharpoons \text{H}^+ + \text{CO}_3^{2-} \\
\text{3. } \text{H}_2\text{O} + \text{CO}_2 \rightleftharpoons \text{H}_2\text{CO}_3 \rightleftharpoons \text{H}^+ + \text{HCO}_3^- \\
\text{4. } \text{HCO}_3^- \rightleftharpoons \text{H}^+ + \text{CO}_3^{2-} \\
\text{5. } \text{H}_2\text{O} + \text{CO}_2 \rightleftharpoons \text{H}_2\text{CO}_3 \rightleftharpoons \text{H}^+ + \text{HCO}_3^- \\
\text{6. } \text{HCO}_3^- \rightleftharpoons \text{H}^+ + \text{CO}_3^{2-} \\
\text{7. } \text{H}_2\text{O} + \text{CO}_2 \rightleftharpoons \text{H}_2\text{CO}_3 \rightleftharpoons \text{H}^+ + \text{HCO}_3^- \\
\text{8. } \text{HCO}_3^- \rightleftharpoons \text{H}^+ + \text{CO}_3^{2-} \\
\text{9. } \text{H}_2\text{O} + \text{CO}_2 \rightleftharpoons \text{H}_2\text{CO}_3 \rightleftharpoons \text{H}^+ + \text{HCO}_3^- \\
\text{10. } \text{HCO}_3^- \rightleftharpoons \text{H}^+ + \text{CO}_3^{2-}
\end{array}$$
[illegible]

15. *John's mother is a very good mother. She is very good.*

[illegible][illegible]

Figure 1

[illegible]

$\mathcal{L}(\mathcal{H})$
 $\mathcal{L}(\mathcal{H})$
 $\mathcal{L}(\mathcal{H})$

$\mathcal{M}(\mathcal{S}, \mathcal{A}, \mathcal{B}, \mathcal{C}) = \mathbb{P}(\mathcal{B} \mid \mathcal{A}, \mathcal{C}) \mathbb{P}(\mathcal{A} \mid \mathcal{S}, \mathcal{C})$
 $\mathbb{P}(\mathcal{B} \mid \mathcal{A}, \mathcal{C}) = \mathbb{P}(\mathcal{B} \mid \mathcal{A})$

Year	Population	Population	Population
1990	100	100	100
2000	100	100	100
2010	100	100	100
2020	100	100	100
2030	100	100	100
2040	100	100	100
2050	100	100	100
2060	100	100	100
2070	100	100	100
2080	100	100	100
2090	100	100	100
2100	100	100	100

$$100 \times \frac{1}{100} = 100\%$$

1. The first step in the process of developing a new product is to identify a market need. This can be done through market research, which involves gathering information about the target market and its needs. Once a market need has been identified, the next step is to develop a concept for a product that meets this need. This concept should be based on the market research and should take into account the needs and preferences of the target market. The concept should also be feasible, meaning that it can be developed and produced within the available resources and budget. Once a concept has been developed, the next step is to create a prototype of the product. This prototype should be used to test the concept and to gather feedback from potential customers. Finally, once the concept has been tested and feedback has been gathered, the next step is to develop a detailed plan for the production and distribution of the product. This plan should take into account all aspects of the product, including its design, production, distribution, and marketing.

At the same time, the firm also may be able to use the cash to pay off debt or invest in other areas of the business.

Figure 2 shows the effect of the initial concentration of the monomer on the rate of polymerization. The rate of polymerization increases with increasing initial concentration of the monomer. This is due to the fact that the rate of polymerization is proportional to the initial concentration of the monomer.

1. *Introduction*

1. The government is not taking any action to improve the quality of the environment. The government is not taking any action to improve the quality of the environment. The government is not taking any action to improve the quality of the environment.

and in the last paragraph of the report. Support expenditures for nuclear power plants in the last 10 years have been more than 100% in 1980.

As a result of the above, the following are the main findings of the study:

1. What are the different types of cells in the brain?
 2. What are the different types of neurons?
 3. What are the different types of glial cells?
 4. What are the different types of synapses?
 5. What are the different types of neurotransmitters?
 6. What are the different types of receptors?
 7. What are the different types of ion channels?
 8. What are the different types of transporters?
 9. What are the different types of enzymes?
 10. What are the different types of proteins?
 11. What are the different types of lipids?
 12. What are the different types of carbohydrates?
 13. What are the different types of nucleic acids?
 14. What are the different types of organelles?
 15. What are the different types of organelles?

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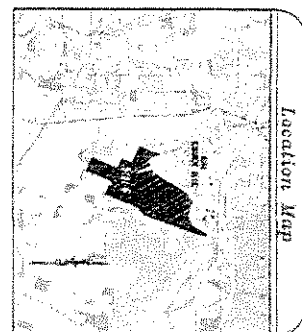
EXHIBIT A

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..... **Project Lead Profile**

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8. *Let's have*

Schizothorax sinensis

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Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099																																																																																																																																																																																																																																						
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$$\mathbb{R}^n \times \mathbb{R}^n \rightarrow \mathbb{R}^n \times \mathbb{R}^n$$

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$\mathcal{H}^1(\mathbb{R}^n) \subset \mathcal{H}^2(\mathbb{R}^n) \subset \mathcal{H}^3(\mathbb{R}^n) \subset \dots \subset \mathcal{H}^k(\mathbb{R}^n) \subset \mathcal{H}^{k+1}(\mathbb{R}^n) \subset \dots$

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1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

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TIME: 10:00

DECLARATION OF RESTRICTIONS, EASEMENTS AND COVENANTS

This Declaration of Restrictions, Easements and Covenants (this "**Declaration**") is made as of this 17 day of June, 20 15, by INTERNATIONAL BUSINESS MACHINES CORPORATION ("**Declarant**"), a New York corporation and having an address of One New Orchard Road, Armonk, New York.

WITNESSETH:

WHEREAS, Declarant is the owner of certain land situated in the Town of Williston, Vermont, containing +/- 524 acres with the street address of 326 IBM Road, being designated as the Williston parcel, and being more particularly described in **EXHIBIT A** attached hereto (collectively, the "**Land**", and together with the improvements thereon, the "**Property**"), and which Property includes areas subject to efforts to remediate certain environmental conditions;

WHEREAS, Declarant has certain obligations to perform groundwater remediation and monitoring adjacent to the Property as required by of the Vermont Agency of Natural Resources ("**VANR**"), and pursuant to the RCRA Part B Hazardous Waste Facility Permit, dated September 23, 2014, utilizing EPA ID Number VTD 002 084 705, as such Permit may be amended, supplemented, rescinded or replaced from time to time with an agreement or order or other instrument (the "**Work**");

WHEREAS, certain Environmental Remediation Activity (as such term is defined below) is and will be required on or at the Property in connection with environmental obligations, at the direction of a Governmental Body (as defined below) and/or as Declarant deems reasonably necessary, to monitor, assess, sample, test or otherwise address groundwater quality and flow directions beneath the Property;

WHEREAS, Declarant desires to reserve for itself a non-exclusive easement to access the Property to perform the Work and the Environmental Remediation Activity, subject to the conditions, obligations and rights set forth herein;

WHEREAS, Declarant desires and intends to restrict the future use of groundwater at the Property as hereinafter provided.

NOW THEREFORE, Declarant does hereby declare and agree that the Property shall hereafter be held, sold, transferred, conveyed, leased, and occupied subject to the restrictions, easements, covenants and obligations set forth in this Declaration.

1. Purpose. It is the purpose of this Declaration to provide access to the Property to Declarant and to restrict or prevent the use of groundwater at the Property by any owner, operator or user of the Property in any manner that may increase threats to

human health and the environment presented by contamination that currently exists adjacent to the Property.

2. Declaration of Restrictions, Easements and Covenants. Declarant hereby declares that the Property shall be held, sold, transferred, conveyed, leased, occupied or otherwise disposed of and used subject to the restrictions, easements, covenants and obligations set forth in this Declaration, which shall run with the Land and be binding on all successors, heirs, assigns, transferees, lessees and occupants of Declarant or of any of them, including any mortgagees, owners and/or users of the Property.
3. Duration. Except as otherwise provided herein, the provisions of this Declaration shall be deemed to be covenants running with the Land and the Property, and shall continue in perpetuity.
4. Access. Declarant, as the current owner of the Property, hereby reserves for itself, which shall include Declarant's employees, agents, operators, licensees, invitees, contractors and consultants (collectively, the "**Declarant Parties**" and individually, each a "**Declarant Party**"), a non-exclusive easement, together with rights of ingress, egress and access to, from, over and across the Property, for any and all access to the Property necessary and appropriate to conduct, complete or monitor the Work and the Environmental Remediation Activity, subject to the conditions, obligations and rights set forth in this Declaration. Such non-exclusive easement shall remain in full force and effect, and owners, operators or users of the Property shall provide to Declarant Parties safe and unencumbered access to the Property when such access is necessary and appropriate. For the removal of doubt, safe access to the Property means, among other things, that the Work area is free of exposure to asbestos-containing materials or other Hazardous Materials or conditions, where such exposure left in place by the owners, operators or users of the Property who otherwise intended to demolish or remediate such conditions in or around the buildings(s) where the Work area is located. Subject to Section 6(c) herein, the obligations and requirements of this Section 4 shall survive until such time as Declarant has met the cleanup objectives of all Governmental Bodies and received a no further action status (or a similar notification that the Work is complete) from VANR; provided that, if based on subsequent information, VANR determines that such standards have not been met, such obligations of this Section 4 shall be deemed to be in full force and effect.
5. Installation and Maintenance of Groundwater Monitoring Wells. Declarant hereby reserves for the Declarant Parties a non-exclusive easement for the purposes of monitoring, maintaining, repairing or replacing existing monitoring wells or constructing and installing new monitoring wells for the implementation of the Work and the Environmental Remediation Activity.

6. Obligations and Prohibitions.

- a. With respect to **groundwater underlying all or any portion of the Property**, the pumping or extraction of groundwater underlying the Property, other than in connection with the BTV Remedial Action, is prohibited; unless such pumping or extraction is affirmatively required by VANR of the owners, operators or users of the Property under Environmental Law, and only then in consultation with Declarant. The use of groundwater for any purpose is prohibited; except to the extent such use is under the direction of and with the written approval of Declarant; provided that, under no circumstances is the use of groundwater for potable purposes allowed.
- b. Upon request of the owner of the Property, Declarant and the owner of the Property shall use commercially reasonable efforts to terminate this Declaration, to the extent permitted by Law and the relevant Governmental Bodies, with respect to any portion of the Property where Declarant, or another person or entity, has permanently met the cleanup objectives of all Governmental Bodies and received a no further actions status (or a similar notification that the Work is complete) from VANR with respect to the contamination of the adjacent property; provided that to effectuate such termination, Declarant shall prepare, and the owner of the Property shall record, a supplement to this Declaration indicating those areas of the Property that are no longer subject to the obligations and restrictions set forth in this Declaration.

7. Cooperation. Declarant and any owners, operators or users of the Property (including any transferees, lessees and occupants of such owners, operators or users) shall reasonably cooperate with each other to accomplish the requirements of, or to ensure compliance with, this Declaration; provided that, when performing the Work, Declarant will comply with the owner of the Property's health, safety, security and continuous operations requirements if such requirements; provided further that such health, safety, security and continuous operations requirements are reasonable and are supplied to Declarant in advance of the Work. For the removal of doubt, reasonable cooperation may include, but is not limited to, Declarant's prior notice to, or consultation with, the owner of the Property regarding construction design in the event of planned, non-routine Environmental Remediation Activity.

8. Successors. The covenants, terms and restrictions of this Declaration shall be binding upon and inure to the benefit of Declarant hereto and its successors, heirs and assigns.

9. Subsequent Transfers. The terms of this Declaration shall be incorporated by reference into any deed or other legal instrument by which Declarant or any successor owner of the Property divests itself by sale, exchange, devise or gift of all or any portion of the Property. Declarant shall be furnished with written notice of the transfer of any such interest, accompanied by a copy of the document utilized to affect such transfer, within thirty (30) days of the date of such transfer. Failure of any successor owner of the Property to perform any act required by this Section 9 shall not impair the validity of this Declaration or limit its enforceability in any way.

10. Recordation. Declarant shall record this instrument in the Official Records of the Town Clerk and shall pay all recording costs in connection therewith.

11. Notices. All notices, consents, approvals or other communications required under the provisions of this Declaration shall be in writing and shall be deemed properly given if hand delivered, sent by a nationally recognized overnight courier, or sent by United States certified mail, return receipt requested, addressed to the appropriate party or successor in interest, at the addresses below:

a. For Declarant:

Manager, Environmental Remediation
International Business Machines Corporation
8976 Wellington Road
Manassas, VA 20109
(703) 257-2587

Environmental Counsel
International Business Machines Corporation
294 Route 100
Somers, NY 10589
(914) 766-2684

b. For current Property owner:

Environmental Manager
GLOBALFOUNDRIES U.S. Inc.
1000 River Road
Essex Junction, VT 05452

Director, Global EHS
GLOBALFOUNDRIES U.S. Inc.
2600 Great America Way, Santa Clara, CA 95054

12. Remedies and Enforcement. Monetary damages would not be adequate or sufficient to compensate Declarant for a breach of any of the restrictions,

easements, covenants and/or obligations of this Declaration. Accordingly, in addition to any other remedies available to Declarant administratively, at law, in equity, by statute or otherwise under this Declaration or otherwise, Declarant may obtain a mandatory and/or prohibitory injunction compelling any owner or user of the Property from time to time of all or any portion of the Property and/or any of its successors, heirs, assigns, transferees, lessees and occupants, to specifically perform and observe the restrictions, easements, covenants and obligations contained in this Declaration or to remedy any failure to perform or observe any such restrictions, easements, covenants or obligations. No right or remedy conferred upon Declarant in this Declaration is intended to be exclusive of any other right or remedy contained in this Declaration or at law or equity. Every such right or remedy shall be cumulative and shall be in addition to each other right and remedy contained in this Declaration or now or hereafter available to Declarant at law, in equity, by statute or otherwise.

13. Miscellaneous Provisions.

- a. Severability. If any provision of this Declaration or the application of it to any person or circumstance is found to be invalid, the remainder of the provisions of this Declaration and the application of the provisions to persons or circumstances other than those as to which it is found to be invalid, shall not be affected by the invalid provision.
- b. Amendment. This Declaration may be modified by the mutual consent of the owner of the Property and Declarant, which consent shall not be unreasonably withheld.
- c. Controlling Law. The interpretation and performance of this Declaration shall be governed by the laws of the State of Vermont.
- d. Captions. The captions in this instrument have been inserted solely for convenience of reference and are not a part of this instrument and shall have no effect upon construction or interpretation.
- e. Definitions.
 - i. **"BTV Remedial Action"** means the ongoing Remedial Action at the Property required pursuant to the RCRA Part B Hazardous Waste Facility Permit, dated May 7, 2007, utilizing EPA ID Number VTD 002 084 705 or any subsequent replacement order or permit by or with VANR, to address Releases of Hazardous Materials on or prior to the date of this Declaration.

- ii. **"Environmental Law"** means any applicable Law in any way relating to the protection of human health and safety, the indoor or outdoor environment or natural resources or, to the extent relating to exposure to hazardous or toxic materials, human health and safety, including the Comprehensive Environmental Response, Compensation and Liability Act (42 U.S.C. § 9601 et seq.), the Hazardous Materials Transportation Act (49 U.S.C. App. § 1801 et seq.), the Resource Conservation and Recovery Act (42 U.S.C. § 6901 et seq.), the Clean Water Act (33 U.S.C. § 1251 et seq.), the Clean Air Act (42 U.S.C. § 7401 et seq.), the Toxic Substances Control Act (15 U.S.C. § 2601 et seq.) and the Federal Insecticide, Fungicide, and Rodenticide Act (7 U.S.C. § 136 et seq.), as each has been or may be amended and the regulations promulgated pursuant thereto.
- iii. **"Environmental Remediation Activity"** means any response, removal, remedial or corrective action; any activity to clean up, detoxify, decontaminate, treat or contain any Hazardous Material; any actions to prevent, remediate or mitigate any Release or threatened Release of any Hazardous Material; and any investigation (including subsurface investigations), study, monitoring, assessment, sampling and testing (including soil and/or groundwater sampling activities) or laboratory or other analysis relating to any Hazardous Material, in each case, performed in connection with the Work.
- iv. **"Governmental Body"** means any government or governmental or regulatory body thereof, or political subdivision thereof, whether foreign, federal, state, or local, or any agency, instrumentality or authority thereof, or any court, arbitrator or mediator (public or private), having jurisdiction over the Property.
- v. **"Hazardous Materials"** means any substance, material or waste that is regulated, classified, or otherwise characterized under or pursuant to any Environmental Law as "hazardous," "toxic," "pollutant," "contaminant," "radioactive," or words of similar meaning or effect, including petroleum and its by-products, asbestos, polychlorinated biphenyls, radon, mold or other fungi and urea formaldehyde insulation.
- vi. **"Law" or "Laws"** means any foreign, federal, state or local law (including common law), statute, code, ordinance, rule, regulation, order or other legal requirement issued, promulgated or enforced by any Governmental Body.

- vii. "Release" means any release, spill, emission, leaking, pumping, pouring, injection, deposit, dumping, emptying, disposal, discharge, dispersal, leaching or migration into the outdoor environment or any intruding or emanating from the outdoor environment into the indoor environment.

[Signature on following page]

IN WITNESS WHEREOF, the undersigned, being the Declarant herein, has hereunto set its hands and seals on the day and year first above written.

INTERNATIONAL BUSINESS MACHINES CORPORATION

By: Nick D'Anniballe
Name: **Nick D'Anniballe**
Title: **Director, Real Estate Investments**

State of New York
County of Westchester ss.

On the 17 day of June in the year 2015 before me, the undersigned, personally appeared Nick D'Anniballe personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to this instrument and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Ann C. McGivley
Notary Public- State of New York

ANN C. McEVILY
NOTARY PUBLIC, State of New York
No. 4929713
Qualified in Westchester County
Commission Expires August 8, 2018

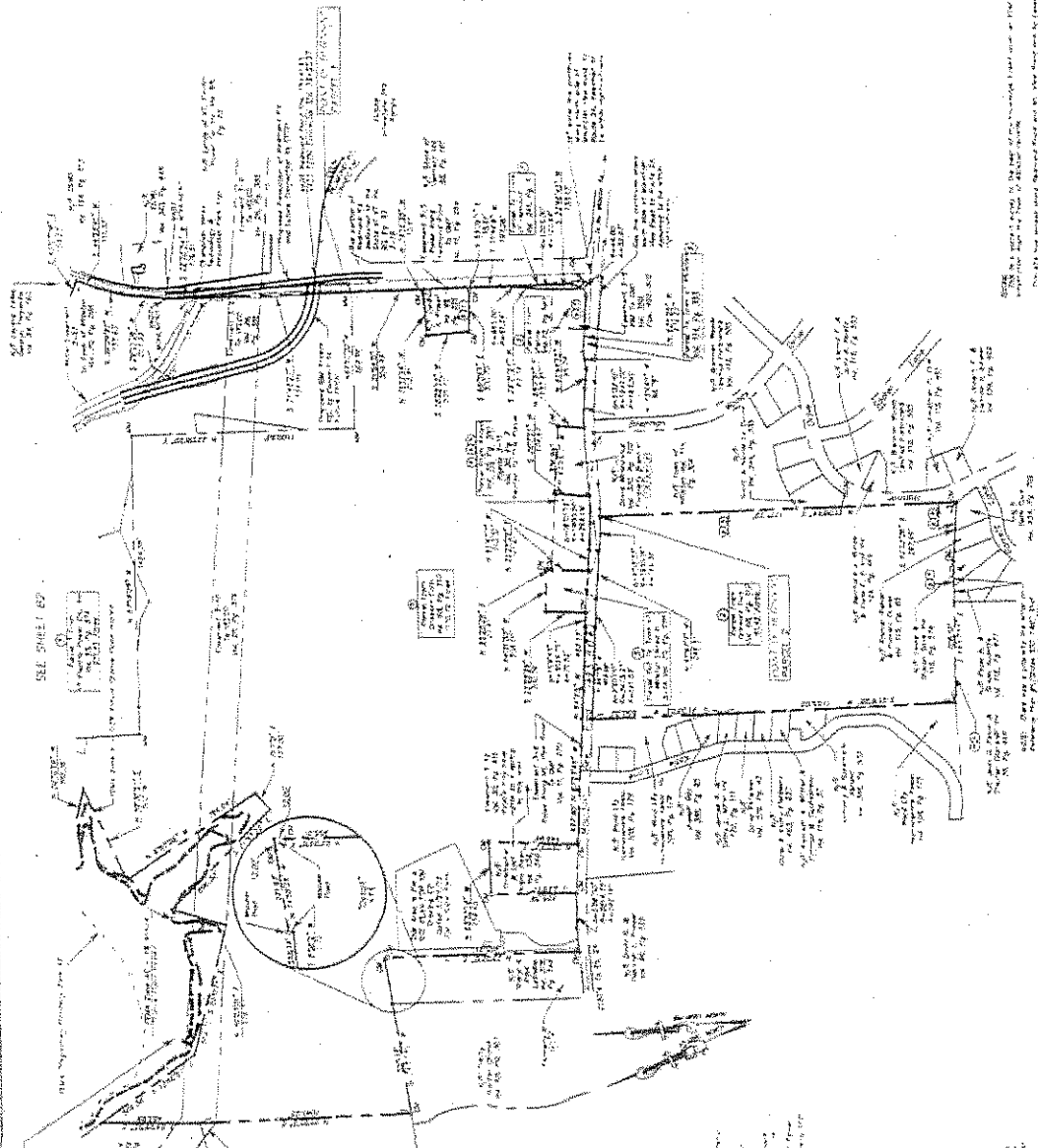
Exhibit A
Figure and Description of the Land

Location Map



LEGEND

Proposed new 24" dia. line	Existing 24" dia. line
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Proposed 99 1/4" dia. line	Existing 99 1/4" dia. line
Proposed 100 1/4" dia. line	Existing 100 1/4" dia. line



1. What is the relationship between the two
main characters in the story?
 They are friends who have been together since childhood.

2. What is the main conflict in the story?
 The main conflict is between the two characters, who are both trying to win the love of the same girl.

3. What is the resolution of the story?
 The resolution is that the two characters finally decide to get together and start a new life.

DECLARATION OF RESTRICTIONS, EASEMENTS AND COVENANTS

This Declaration of Restrictions, Easements and Covenants (this "**Declaration**") is made as of this 17 day of June, 20 15, by INTERNATIONAL BUSINESS MACHINES CORPORATION ("**Declarant**"), a New York corporation and having an address of One New Orchard Road, Armonk, New York.

WITNESSETH:

WHEREAS, Declarant is the owner of certain land situated in the Village of Essex Junction, Vermont, containing +/- 234 acres with the street address of 1000 River Street, being designated as the Essex parcel, and being more particularly described in **EXHIBIT A** attached hereto (collectively, the "**Land**", and together with the improvements thereon, the "**Property**"), and which Property includes areas subject to efforts to remediate certain environmental conditions;

WHEREAS, Declarant has certain obligations to perform groundwater remediation and monitoring as required by of the Vermont Agency of Natural Resources ("**VANR**"), and pursuant to the RCRA Part B Hazardous Waste Facility Permit, dated September 23, 2014, utilizing EPA ID Number VTD 002 084 705, as such Permit may be amended, supplemented, rescinded or replaced from time to time with an agreement or order or other instrument (the "**Work**");

WHEREAS, certain Environmental Remediation Activity and/or Utility Systems Work (as such terms are defined below) is and will be required on or at the Property in connection with environmental obligations, at the direction of a Governmental Body (as defined below) and/or as Declarant deems reasonably necessary, to study, investigate, monitor, assess, sample, test, remove, remediate, or otherwise address Hazardous Materials or to prevent or mitigate any Release or threatened Release of Hazardous Materials (as such terms are defined below);

WHEREAS, Declarant desires to reserve for itself a non-exclusive easement to access the Property to perform the Work, the Environmental Remediation Activity and/or the Utility Systems Work, subject to the conditions, obligations and rights set forth herein;

WHEREAS, Declarant desires and intends to reduce, eliminate and/or mitigate threats to human health and the environment presented by contamination that exists on the Property and to restrict the future use and development of the Property as hereinafter provided.

NOW THEREFORE, Declarant does hereby declare and agree that the Property shall hereafter be held, sold, transferred, conveyed, leased, and occupied subject to the restrictions, easements, covenants and obligations set forth in this Declaration.

1. Purpose. It is the purpose of this Declaration to provide access to the Property to Declarant and to restrict or prevent the use or development of the Property by any owner, operator or user of the Property in any manner that may increase threats to human health and the environment presented by contamination that currently exists on the Property.
2. Declaration of Restrictions, Easements and Covenants. Declarant hereby declares that the Property shall be held, sold, transferred, conveyed, leased, occupied or otherwise disposed of and used subject to the restrictions, easements, covenants and obligations set forth in this Declaration, which shall run with the Land and be binding on all successors, heirs, assigns, transferees, lessees and occupants of Declarant or of any of them, including any mortgagees, owners and/or users of the Property.
3. Duration. Except as otherwise provided herein, the provisions of this Declaration shall be deemed to be covenants running with the Land and the Property, and shall continue in perpetuity.
4. Access. Declarant, as the current owner of the Property, hereby reserves for itself, which shall include Declarant's employees, agents, operators, licensees, invitees, contractors and consultants (collectively, the "**Declarant Parties**" and individually, each a "**Declarant Party**"), a non-exclusive easement, together with rights of ingress, egress and access to, from, over and across the Property, for any and all access to the Property necessary and appropriate to conduct, complete or monitor the Work, the Environmental Remediation Activity and/or Utility Systems Work, subject to the conditions, obligations and rights set forth in this Declaration. Such non-exclusive easement shall remain in full force and effect, and owners, operators or users of the Property shall provide to Declarant Parties safe and unencumbered access to the Property when such access is necessary and appropriate. For the removal of doubt, safe access to the Property means, among other things, that the Work area is free of exposure to asbestos-containing materials or other Hazardous Materials or conditions, where such exposure left in place by the owners, operators or users of the Property who otherwise intended to demolish or remediate such conditions in or around the buildings(s) where the Work area is located. Subject to Section 6(c) herein, the obligations and requirements of this Section 4 shall survive until such time as Declarant has met the cleanup objectives of all Governmental Bodies and received a no further action status (or a similar notification that the Work is complete) from VANR; provided that, if based on subsequent information, VANR determines that such standards have not been met, such obligations of this Section 4 shall be deemed to be in full force and effect.

5. Installation and Maintenance of Remediation Systems and/or Utility Systems.

- a. Declarant hereby reserves for the Declarant Parties a non-exclusive easement for the purposes of repairing, replacing, constructing, reconstructing, removing and maintaining the Work, the Environmental Remediation Activity and/or the Utility Systems Work and, subject to other provisions of this Declaration, the right to remove, trim, and cut trees, bushes, undergrowth, and other obstructions interfering with the location, construction, operation, repair and maintenance of the Work, the Environmental Remediation Activity and/or Utility Systems Work. For the removal of doubt, this easement grants the Declarant Parties the right to construct treatment buildings, pump houses and/or sub-slab depressurization systems, among other things, on the Property, and will allow reasonable access to and use of utilities or the construction of new rights of way for utilities, subject to notice and coordination with Owner.
- b. Owners, operators or users of the Property shall not remove, move or otherwise disturb, tamper with or damage any existing or future wells, conveyance piping, treatment buildings, pump houses, sub-slab depressurization systems, vapor extraction systems or other equipment or facilities which are installed or may be installed at, in, on, from or under the Property by any Declarant Party associated with the Environmental Remediation Activity (collectively, the "**Remediation Systems**") and/or the Utility Systems Work, unless otherwise directed by a Governmental Body. Existing Remediation Systems are shown in **EXHIBIT B** attached hereto. Within 45 days after any future installation, removal or relocation within the Property of any Remediation Systems and/or Utility Systems Work by Declarant, Declarant shall prepare and the owner of the Property shall record a supplement to this Declaration which shall show the location(s) of Remediation Systems and/or Utility Systems Work existing at, in, on, from or under the Property as of the date of such supplement.
- c. Subject to the terms of this Declaration, the owners, operators or users of the Property shall allow the Declarant Parties to install and maintain any Remediation Systems and/or Utility Systems Work reasonably necessary for Declarant to conduct any Environmental Remediation Activity at, in, on, from or under the Property; provided, however, that Declarant Parties shall locate such Remediation Systems and/or Utility Systems Work devices in a manner to avoid any unreasonable interference with operations at the Property.
- d. Upon the reasonable request of the owner of the Property and with the approval of all relevant Governmental Bodies, Declarant Parties shall use

commercially reasonable efforts to relocate any Remediation Systems and/or Utility Systems Work placed at, in, on, from or under the Property by Declarant as necessary so as not to disrupt or encumber the operations at the Property of the owners, operators or users of the Property (including the modification, expansion or development of any facilities associated therewith) or the development of the Property by owners; provided that the relocation of any Remediation Systems and/or Utility Systems shall not impair the effectiveness of the Work or the BTV Remedial Action; provided further that owners, operators or users of the Property shall reimburse Declarant for (i) in the case the owners, operators or users of the Property requests that Declarant relocate previously installed or existing Remediation Systems and/or Utility Systems, the full cost of such relocation and (ii) in the case the owners, operators or users of the Property requests that Declarant relocate Remediation Systems and/or Utility Systems that Declarant is otherwise planning to install at a different location, the incremental cost to Declarant to install such Systems at the new requested location. Owners, operators or users of the Property shall bear the costs to prepare a supplement to this Declaration which shall show the new location(s) of Remediation Systems and/or Utility Systems Work, if necessary, and owners, operators or users of the Property shall bear the costs to record such supplement.

- e. Owners, operators or users of the Property shall, as soon as reasonably practicable, deliver to Declarant any written notice, information or other communication received from (or notify Declarant of any material oral communications with) any Governmental Body, in each case which relates to the Environmental Remediation Activity or the existing or future Remediation Systems associated with the Work. Declarant shall, as soon as reasonably practicable, deliver to the owner of the Property copies of any material written notice, material information or other material communication received from, or submitted to (or notify the owner of the Property of any material oral communications with) any Governmental Body, in each case which relates to the Environmental Remediation Activity or the existing or future Remediation Systems associated with the Work provided that, upon request of the owner of the Property, Declarant shall provide to the owner Declarant's relevant communications with any Governmental Body, which relates to the Environmental Remediation Activity or the existing or future Remediation Systems associated with the Work.
- f. Except as provided in Section 5(b), any existing or, to the extent installed by or on behalf of Declarant, future Remediation Systems and/or Utility Systems Work shall remain the property and in the control of Declarant.

- g. The obligations and requirements of this Section 5 shall survive until such time as Declarant has met the cleanup objectives of all Governmental Bodies and received a no further action status (or a similar notification that the Work is complete) from VANR.

6. Obligations and Prohibitions.

- a. The owners, operators and users of all or any portion of the Property shall be obligated to comply with the following restrictions, easements, covenants and obligations:
 - i. With respect to **groundwater underlying all or any portion of the Property**, the pumping or extraction of groundwater underlying the Property, other than in connection with the BTV Remedial Action, is prohibited; unless such pumping or extraction is affirmatively required by VANR of the owners, operators or users of the Property under Environmental Law, and only then in consultation with Declarant. No groundwater wells shall be installed without the approval of VANR. The use of groundwater for any purpose is prohibited; except to the extent such use is under the direction of and with the written approval of Declarant; provided that, under no circumstances is the use of groundwater for potable purposes allowed.
 - ii. With respect to **future use of all or any portion of the Property**, any future change in use of the Property, other than Industrial Use (as defined herein), permitted hereunder must be approved, to the extent required, by VANR and any other Governmental Body and the owners or users of the Property must provide Declarant with reasonable advance written notice of such proposed future change in use. All costs associated with any future change in use of the Property permitted hereunder that requires development of any kind and/or requires remediation (other than the BTV Remedial Action), as determined by VANR and any other Governmental Body, shall be paid by the owners or users of the Property. The owners, operators or users of the Property shall not use, operate or develop, and shall prohibit the use, development or operation of the Property for any purposes other than Commercial Use or Industrial Use (as such terms are defined below).
 - iii. With respect to **structures on all or any portion of the Property**, if at any time, any owner and user of the Property elects, or is

required, to demolish any structures (other than any equipment or facilities that are related to the BTV Remedial Action and that are owned by the Declarant) located on the Property, such owners, operators or users shall (i) pay the entire cost of such demolition and of the disposal of all debris in accordance with applicable law and (ii) provide Declarant with reasonable advance written notice. After such demolition is complete, the owners, operators or users of the Property shall allow the Declarant a reasonable period of time to investigate and remediate the demolished area in connection with the BTV Remedial Action. At any time after the date of this Declaration, for any new structures that are constructed on the Property, the owner and users of the Property shall install, maintain and pay for the installation of vapor mitigation systems in such new structures sufficient to cause the air quality in such structures as reasonably necessary to comply with all requirements established by VANR, to the extent applicable, and with all other applicable laws.

- iv. With respect to that portion of the Property designated as the **Regulated Area** on **EXHIBIT C** attached hereto, the owners and users thereof shall not use, operate or develop, and shall prohibit the use, development or operation of the Regulated Area for any purposes other than Industrial Use (as such term is defined below).
- v. With respect that portion of the Property designated as the **Regulated Area** on **EXHIBIT C** attached hereto, during excavation of any soils thereon, the owners and users thereof shall sample, manage and dispose of such soils in accordance with Environmental Laws and any other applicable regulatory requirements.
- vi. With respect that portion of the Property designated as the **Landfill** on **EXHIBIT C** attached hereto, the owners and users thereof shall not disturb, penetrate or excavate, and shall prohibit any third party from disturbing, penetrating or excavating, the soil or within the Landfill.

b. The Declarant Parties shall be obligated to comply with the following restrictions, covenants and obligations:

- i. The Declarant Parties shall perform the Work, the Environmental Remediation Activity and the Utility Systems Work in compliance with all applicable Laws.

ii. The Declarant Parties shall obtain at their sole cost and expense all governmental permits and authorizations of whatever nature required by any and all applicable Governmental Bodies for the Work, the Environmental Remediation Activity and/or the Utility Systems Work.

c. Upon request by the owner of the Property, Declarant and the owner of the Property shall use commercially reasonable efforts to terminate this Declaration, to the extent permitted by Law and the relevant

Governmental Bodies, with respect to any portion of the Property where Declarant, or another person or entity, has permanently met the cleanup objectives of all Governmental Bodies and received a no further action status (or a similar notification that the Work is complete) from VANR; provided that, to effectuate such termination, Declarant shall prepare, and the owner of the Property shall record, a supplement to this Declaration indicating those areas of the Property that are no longer subject to the obligations and restrictions set forth in this Declaration.

7. Cooperation. Declarant and any owners, operators or users of the Property (including any transferees, lessees and occupants of such owners, operators or users) shall reasonably cooperate with each other to accomplish the requirements of, or to ensure compliance with, this Declaration; provided that, when performing the Work, Declarant will comply with the owner of the Property's health, safety, security and continuous operations requirements; provided further that such health, safety, security and continuous operations requirements are reasonable and are supplied to Declarant in advance of the Work. For the removal of doubt, reasonable cooperation may include, but is not limited to, Declarant's prior notice to, or consultation with, the owner of the Property regarding construction design in the event of planned, non-routine Environmental Remediation Activity and/or Utility Systems Work.
8. Successors. The covenants, terms and restrictions of this Declaration shall be binding upon and inure to the benefit of Declarant hereto and its successors, heirs and assigns.
9. Subsequent Transfers. The terms of this Declaration shall be incorporated by reference into any deed or other legal instrument by which Declarant or any successor owner of the Property divests itself by sale, exchange, devise or gift of all or any portion of the Property. Declarant shall be furnished with written notice of the transfer of any such interest, accompanied by a copy of the document utilized to affect such transfer, within thirty (30) days of the date of such transfer. Failure of any successor owner of the Property to perform any act required by this

Section 9 shall not impair the validity of this Declaration or limit its enforceability in any way.

10. Recordation. Declarant shall record this instrument in the Official Records of the appropriate Town or Village Clerk and shall pay all recording costs in connection therewith.

11. Notices. All notices, consents, approvals or other communications required under the provisions of this Declaration shall be in writing and shall be deemed properly given if hand delivered, sent by a nationally recognized overnight courier, or sent by United States certified mail, return receipt requested, addressed to the appropriate party or successor in interest, at the addresses below:

a. For Declarant:

Manager, Environmental Remediation
International Business Machines Corporation
8976 Wellington Road
Manassas, VA 20109
(703) 257-2587

Environmental Counsel
International Business Machines Corporation
294 Route 100
Somers, NY 10589
(914) 766-2684

b. For current Property owner:

Environmental Manager
GLOBALFOUNDRIES U.S. Inc.
1000 River Road
Essex Junction, VT 05452

Director, Global EHS
GLOBALFOUNDRIES U.S. Inc.
2600 Great America Way, Santa Clara, CA 95054

12. Remedies and Enforcement. Monetary damages would not be adequate or sufficient to compensate Declarant for a breach of any of the restrictions, easements, covenants and/or obligations of this Declaration. Accordingly, in addition to any other remedies available to Declarant administratively, at law, in equity, by statute or otherwise under this Declaration or otherwise, Declarant may obtain a mandatory and/or prohibitory injunction compelling any owner or user of the Property from time to time of all or any portion of the Property and/or any of

its successors, heirs, assigns, transferees, lessees and occupants, to specifically perform and observe the restrictions, easements, covenants and obligations contained in this Declaration or to remedy any failure to perform or observe any such restrictions, easements, covenants or obligations. No right or remedy conferred upon Declarant in this Declaration is intended to be exclusive of any other right or remedy contained in this Declaration or at law or equity. Every such right or remedy shall be cumulative and shall be in addition to each other right and remedy contained in this Declaration or now or hereafter available to Declarant at law, in equity, by statute or otherwise.

13. Miscellaneous Provisions.

- a. Severability. If any provision of this Declaration or the application of it to any person or circumstance is found to be invalid, the remainder of the provisions of this Declaration and the application of the provisions to persons or circumstances other than those as to which it is found to be invalid, shall not be affected by the invalid provision.
- b. Amendment. This Declaration may be modified by the mutual consent of the owner of the Property and Declarant, which consent shall not be unreasonably withheld.
- c. Controlling Law. The interpretation and performance of this Declaration shall be governed by the laws of the State of Vermont.
- d. Captions. The captions in this instrument have been inserted solely for convenience of reference and are not a part of this instrument and shall have no effect upon construction or interpretation.
- e. Definitions.
 - i. **"BTV Remedial Action"** means the ongoing Remedial Action at the Property required pursuant to the RCRA Part B Hazardous Waste Facility Permit, dated May 7, 2007, utilizing EPA ID Number VTD 002 084 705 or any subsequent replacement order or permit by or with VANR, to address Releases of Hazardous Materials on or prior to the date of this Declaration.
 - ii. **"Commercial Use"** means the primary purpose of buying, selling or trading of merchandise or services. Commercial Use includes passive recreational uses, such as undeveloped space, which are public uses with limited potential for soil contact. For the avoidance of doubt, Commercial Use does not include any uses

that are residential, educational, religious or primarily recreational in nature, including but not limited to residences of any type, schools, churches, hospitals, child day care facilities, senior care facilities or centers, private or commercial stables or riding academies, camps or recreational developments.

- iii. **"Environmental Law"** means any applicable Law in any way relating to the protection of human health and safety, the indoor or outdoor environment or natural resources or, to the extent relating to exposure to hazardous or toxic materials, human health and safety, including the Comprehensive Environmental Response, Compensation and Liability Act (42 U.S.C. § 9601 et seq.), the Hazardous Materials Transportation Act (49 U.S.C. App. § 1801 et seq.), the Resource Conservation and Recovery Act (42 U.S.C. § 6901 et seq.), the Clean Water Act (33 U.S.C. § 1251 et seq.), the Clean Air Act (42 U.S.C. § 7401 et seq.), the Toxic Substances Control Act (15 U.S.C. § 2601 et seq.) and the Federal Insecticide, Fungicide, and Rodenticide Act (7 U.S.C. § 136 et seq.), as each has been or may be amended and the regulations promulgated pursuant thereto.
- iv. **"Environmental Remediation Activity"** means any response, removal, remedial or corrective action; any activity to clean up, detoxify, decontaminate, treat or contain any Hazardous Material; any actions to prevent, remediate or mitigate any Release or threatened Release of any Hazardous Material; and any investigation (including subsurface investigations), study, monitoring, assessment, sampling and testing (including soil and/or groundwater sampling activities) or laboratory or other analysis relating to any Hazardous Material, in each case, performed in connection with the Work.
- v. **"Governmental Body"** means any government or governmental or regulatory body thereof, or political subdivision thereof, whether foreign, federal, state, or local, or any agency, instrumentality or authority thereof, or any court, arbitrator or mediator (public or private), having jurisdiction over the Property.
- vi. **"Hazardous Materials"** means any substance, material or waste that is regulated, classified, or otherwise characterized under or pursuant to any Environmental Law as "hazardous," "toxic," "pollutant," "contaminant," "radioactive," or words of similar meaning or effect, including petroleum and its by-products.

asbestos, polychlorinated biphenyls, radon, mold or other fungi and urea formaldehyde insulation.

- vii. **"Industrial Use"** means the primary purpose of manufacturing, production, fabrication or assembly processes, information technology equipment siting and ancillary warehouse and office use. For the avoidance of doubt, Industrial Use does not include any uses that are residential, recreational, educational, or religious in nature, including but not limited to residences of any type, schools, churches, hospitals, child day care facilities, senior care facilities or centers, private or commercial stables or riding academies, camps or recreational developments, retail stores or gymnasiums.
- viii. **"Law" or "Laws"** means any foreign, federal, state or local law (including common law), statute, code, ordinance, rule, regulation, order or other legal requirement issued, promulgated or enforced by any Governmental Body.
- ix. **"Release"** means any release, spill, emission, leaking, pumping, pouring, injection, deposit, dumping, emptying, disposal, discharge, dispersal, leaching or migration into the outdoor environment or any intruding or emanating from the outdoor environment into the indoor environment.
- x. **"Utility Systems Work"** means any installation, construction, operation, maintenance, repair, replacement of, or connection to any existing electric utility, telephone communication lines, water lines, and/or wastewater or storm water sewer lines, in connection with or related to the support of any Environmental Remediation Activity, including, without limitation, any activity concerning above-ground electricity lines and associated underground and above-ground apparatus, water lines, and above-ground or underground sewer lines and associated apparatus.

[Signature on following page]

IN WITNESS WHEREOF, the undersigned, being the Declarant herein, has hereunto set its hands and seals on the day and year first above written.

INTERNATIONAL BUSINESS MACHINES CORPORATION

By: Nick D'Anniballe
Name: **Nick D'Anniballe**
Title: **Director, Real Estate Investments**

State of New York
County of Westchester ss.

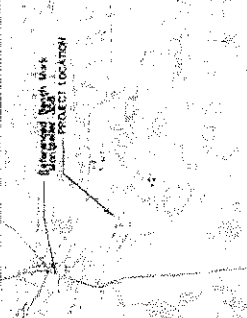
On the 17th day of June in the year 2015 before me, the undersigned, personally appeared Nick D'Anniballe personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to this instrument and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Ann C. McEvily
Notary Public- State of New York

ANN C. McEVILY
NOTARY PUBLIC, State of New York
No. 4929713
Qualified in Westchester County
Commission Expires August 8, 2018

Exhibit A
Figure and Description of the Land

Location Map



ESSEX VERMONT SITE
The site is located on the north side of the road, about 1/2 mile west of the intersection of the road with the road. The site is a small, rectangular area, approximately 1/2 mile long and 1/4 mile wide. The site is surrounded by fields and woods. The site is marked with a star and labeled 'ESSEX VERMONT SITE'.

ESSEX VERMONT SITE
The site is located on the north side of the road, about 1/2 mile west of the intersection of the road with the road. The site is a small, rectangular area, approximately 1/2 mile long and 1/4 mile wide. The site is surrounded by fields and woods. The site is marked with a star and labeled 'ESSEX VERMONT SITE'.

ESSEX VERMONT SITE
The site is located on the north side of the road, about 1/2 mile west of the intersection of the road with the road. The site is a small, rectangular area, approximately 1/2 mile long and 1/4 mile wide. The site is surrounded by fields and woods. The site is marked with a star and labeled 'ESSEX VERMONT SITE'.

ESSEX VERMONT SITE
The site is located on the north side of the road, about 1/2 mile west of the intersection of the road with the road. The site is a small, rectangular area, approximately 1/2 mile long and 1/4 mile wide. The site is surrounded by fields and woods. The site is marked with a star and labeled 'ESSEX VERMONT SITE'.

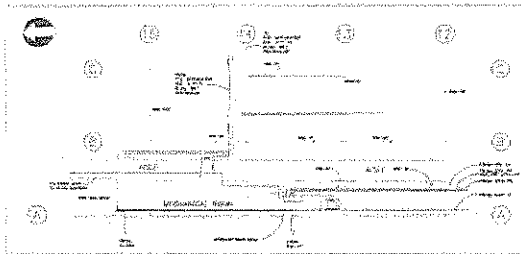
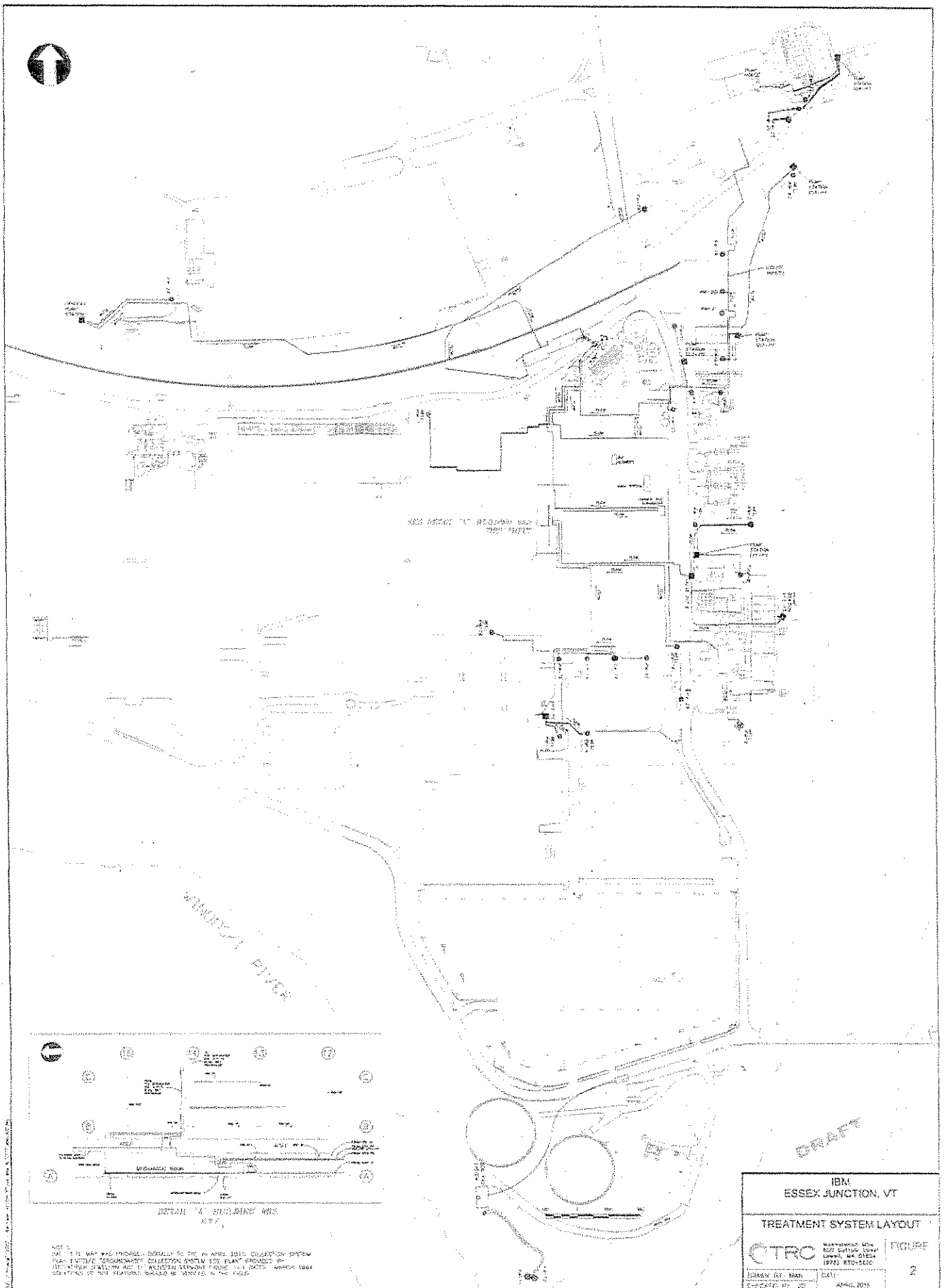
ESSEX VERMONT SITE
The site is located on the north side of the road, about 1/2 mile west of the intersection of the road with the road. The site is a small, rectangular area, approximately 1/2 mile long and 1/4 mile wide. The site is surrounded by fields and woods. The site is marked with a star and labeled 'ESSEX VERMONT SITE'.

ESSEX VERMONT SITE
The site is located on the north side of the road, about 1/2 mile west of the intersection of the road with the road. The site is a small, rectangular area, approximately 1/2 mile long and 1/4 mile wide. The site is surrounded by fields and woods. The site is marked with a star and labeled 'ESSEX VERMONT SITE'.

BRITISH AIR FORCE
FORM 1000 (Rev. 1/55)
ESSEX VERMONT SITE
BRITISH AIR FORCE
FORM 1000 (Rev. 1/55)

ESSEX VERMONT SITE
The site is located on the north side of the road, about 1/2 mile west of the intersection of the road with the road. The site is a small, rectangular area, approximately 1/2 mile long and 1/4 mile wide. The site is surrounded by fields and woods. The site is marked with a star and labeled 'ESSEX VERMONT SITE'.

Exhibit B
Existing Remediation System



NOTES:
1. THE WAY WAS PROPOSED, USUALLY TO THE IN APRIL 2010. COLLECTION SYSTEM
2. THE ENTIRE TREATMENT COLLECTION SYSTEM WAS PLANNED BY
AUTOMATIC STATION AND TO AUTOMATIC STATION FROM THE DATA. NUMBER 1000
3. THE PLAN OF THE STATION SHOULD BE REVIEWED IN THE FIELD.

DRAFT

IBM
ESSEX JUNCTION, VT

TREATMENT SYSTEM LAYOUT

CTRC

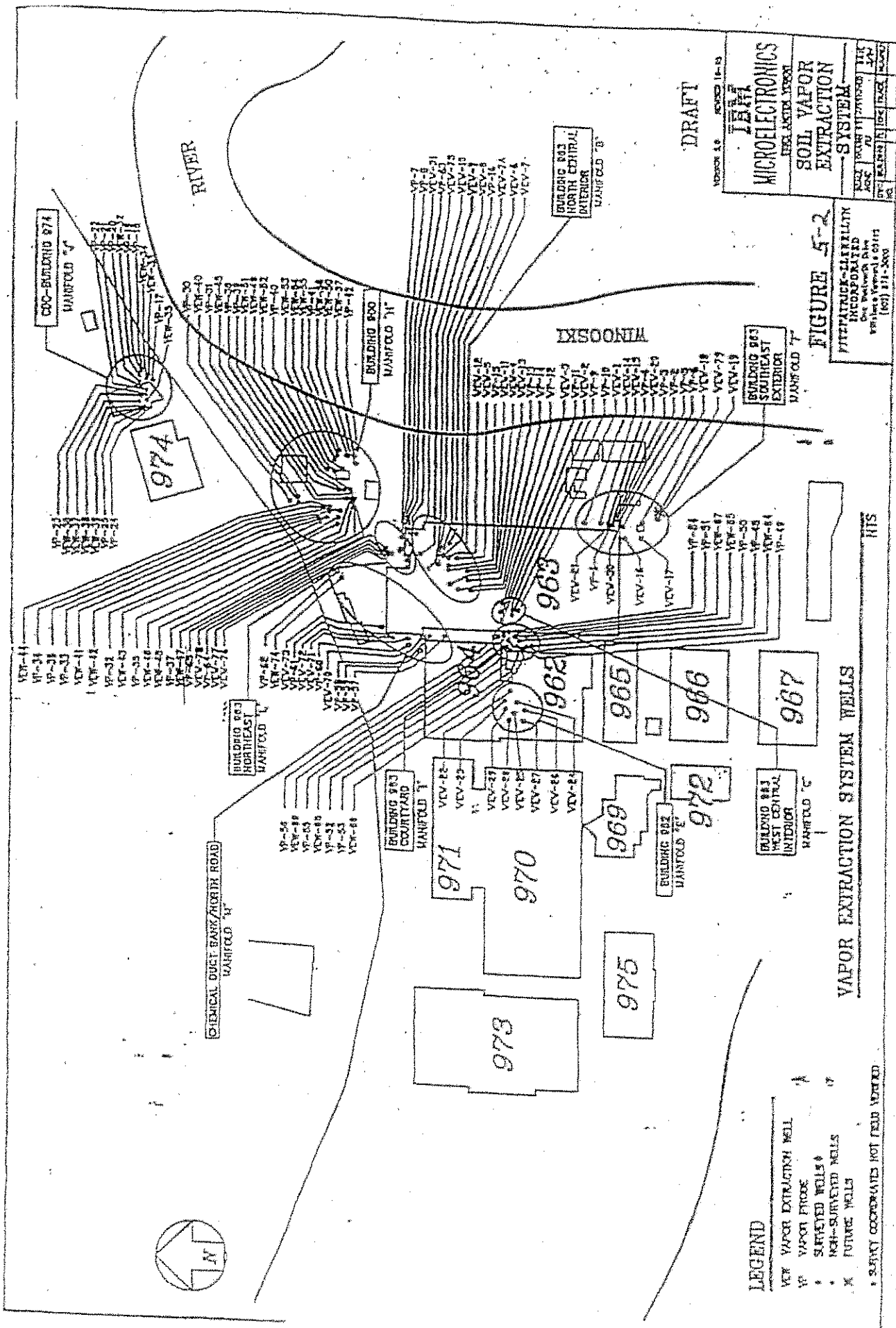
ESSEX JUNCTION, VT
1991 ETC-PLC

FIGURE

DRAWN BY: BAH
CHECKED BY: JF

DATE:
APRIL 2010

2



LEGEND

- VP VAPOR EXTRACTION WELL
- VP VAPOR PROBE
- * SURVEYED WELLS
- * NON-SURVEYED WELLS
- X FUTURE WELLS

* SURVEY COORDINATES NOT FIELD VERIFIED

VAPOR EXTRACTION SYSTEM WELLS

HIS

FIGURE 5-2

PITTSBURGH-ILLINOIS
INCORPORATED
One Pittsburgh Place
Pittsburgh, Pennsylvania 15203
(412) 731-5800

DRAFT

WORKSHEET NO.	14-13
DATE	10-1-83
PROJECT	TECH
CLIENT	MICROELECTRONICS
LOCATION	TECH CENTER, ST. LOUIS
SYSTEM	SOIL VAPOR EXTRACTION SYSTEM
WELL	VP-1
WELL	VP-2
WELL	VP-3
WELL	VP-4
WELL	VP-5
WELL	VP-6
WELL	VP-7
WELL	VP-8
WELL	VP-9
WELL	VP-10
WELL	VP-11
WELL	VP-12
WELL	VP-13
WELL	VP-14
WELL	VP-15
WELL	VP-16
WELL	VP-17
WELL	VP-18
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WELL	VP-78
WELL	VP-79
WELL	VP-80
WELL	VP-81
WELL	VP-82
WELL	VP-83
WELL	VP-84

Corrective Action Equipment Assets
IBM Burlington, VT

Production Wells

Location	Influent	Effluent	Number	Equipment	Detail	FlowMeters	Totals	Control
PW-1	Bedrock GW	Flt. Bldg. 482	1	Grundfos model 55039 pump	30hp, 6 stage	In Filter Bldg	In Filter Bldg	local and remote
PW-6 (Out of Service)	Bedrock GW	Pier Bldg. 482	1	Grundfos model 55039 pump	30hp, 4 stage	In Filter Bldg	In Filter Bldg	Discharge for to filter building & broiler
PW-7	Bedrock GW	Flt. Bldg. 482	1	Grundfos model 55039 pump	20hp, 4 stage	In Filter Bldg	In Filter Bldg	local and remote

SD Pump Stations

Location	Influent	Effluent	Number	Equipment	Detail	FlowMeters	Totals	Control
SD-2 PS	Underdrain for SD-3	Common SD Force Main to Bldg	2	Hydromatic SKH 150 pumps	480 VAC, 3 phase	Flowmeter T-10 Neptune	Flowmeter T-10 Neptune	B/W Controls liquid level float switches, Model 7010 G-4 B-20
SD-3 PS	SD-3 and SD-4	482 of Windward River	2	Hydromatic SKH 150 pumps	480 VAC, 3 phase	Flowmeter T-10 Neptune	Flowmeter T-10 Neptune	B/W Controls liquid level float switches, Model 7010 G-4 B-20
SD-5 PS	2 Underdrains east and west and RW-62	Common SD Force Main to Bldg	2	Hydromatic SKH 150 pumps	480 VAC, 3 phase	Flowmeter T-10 Neptune	Flowmeter T-10 Neptune	B/W Controls liquid level float switches, Model 7010 G-4 B-20
SD-6 PS	SD-6, RW-76 & RW-23	Common SD Force Main to Bldg	2	Hydromatic SKH 150 pumps	480 VAC, 3 phase	Flowmeter T-10 Neptune	Flowmeter T-10 Neptune	B/W Controls liquid level float switches, Model 7010 G-4 B-20
RW-10	RW1 GW	Separator	1	Grundfos model 55039	240 VAC, 1/3 HP			Control panel CP-1
RW-17	RW1 GW	Combine with RW-10 to PCF	1	Grundfos model 55039	240 VAC, 1/3 HP			Control panel CP-2
RW-19	RW1 GW	Common SD Force Main to Bldg	1	Grundfos model 55039	240 VAC, 1/3 HP			Control panel CP-2
RW-20	RW1 GW	Common SD Force Main to Bldg	1	Grundfos model 55039	240 VAC, 1/3 HP			Control panel CP-2
RW-21	RW1 GW	Common SD Force Main to Bldg	1	Grundfos model 55039	240 VAC, 1/3 HP			Control panel CP-2
RW-22	RW1 GW	Common SD Force Main to Bldg	1	Grundfos model 55039	240 VAC, 1/3 HP			Control panel CP-1
RW-23	RW1 GW	Common SD Force Main to Bldg	1	Grundfos model 55039	240 VAC, 1/3 HP			Control panel CP-1
RW-26	A/F GW	SD-6 PS	1	Grundfos model 55039	240 VAC, 1/3 HP	Neptune flowmeter T-10	Neptune flowmeter T-10	Timer control and water level control
RW-27	A/F GW	SD-6 PS	1	Grundfos model 55039	240 VAC, 1/3 HP	Neptune flowmeter T-10	Neptune flowmeter T-10	Franklin Electric Pumps Model 580097011B, Control panel CP-1
RW-67	A/F GW	SD-5 PS	1	Grundfos Model 5510-2				
RW-6	RW1 GW	Common SD Force Main to Bldg	1	Grundfos model 55039	240 VAC, 1/3 HP			

"Ep" PUMP STATIONS (EP1PS, EP2PS, EP3PS)

Location	Influent	Effluent	Number	Equipment	Detail	FlowMeters	Totals	Control
Pump Station EP1PS	RW-1, RW-2 and RW-8	Building 963 Column A12	1	Myers Model WPHR2023 pump	208 VAC, 3 phase	1		Medcon controller
Pump Station EP2PS	WTP operation basin underdrain	EP1PS or through valve #1 to the common force main	2	Myers Model WPHR2023	208 VAC, 3 phase			Remcon EP1PS
Pump Station EP3PS	RW-3 and RW-4	Building 963 Column A12	2	Myers Model WPHR2023	208 VAC, 3 phase			Medcon controller
RW-1	A/F GW	EP1PS	1	Grundfos Model 55039	1/2 hp	1		TRICOR Transmittance Franklin Electric well pump controllers
RW-2	A/F GW	EP1PS	1	Grundfos Model 55039	1/2 hp	1		
RW-24	A/F GW	EP1PS	1	Grundfos Model 55039	1/2 hp	1		
RW-3	RW1 GW	EP3PS	1	Grundfos Model 55039	1/2 hp	1		Franklin Model
RW-4	RW1 GW	EP3PS	1	Grundfos Model 55039	1/2 hp	1		Franklin Model
RW-8	RW1 GW	EP3PS	1	Grundfos Model 55039	1/2 hp	1		Franklin Model

XYLENE RECOVERY WELL (RW1X)

Location	Influent	Effluent	Number	Equipment	Detail	FlowMeters	Totals	Control

Corrective Action Equipment Assets
IBM Burlington, VT

Location	Influent	Effluent	Number	Equipment	Detail	FlowMeters	Totalliers	Control
RW-1X (Active)	A/E GW	Building 963 Column A14	1	Grundfos 55039	240VAC, 1 phase, 1/3 hp pumps	1		Franklin Electric well pump controller
BUILDING 963 RECOVERY WELLS								
RW-2	PCE separator	PCE separator column 5.7 16	1	Grundfos model LP 1301	Pneumatic			Pulse Sender Controller, QED model 1380
RW-11A2A	RWT GW	Bldg. 963 Penthouse	1	Grundfos model LP 1301	Pneumatic			Franklin Electric well pump controller
RW-10B	RWT GW	PCE separator	1	Grundfos model LP 1301	Pneumatic			Well Master controller, QED model 1380, Pulse Sender Controller, QED model 13
RW-13	RWT GW	Bldg. 963 Coin. K manifold cabinet	1	Grundfos model 55039	240VAC, 1 phase, 1/3 hp pumps		Manifolded (K1)	Franklin Notload Panel CP3 Room 9631.0104
RW-14	RWT GW	Bldg. 963 Coin. K manifold cabinet	1	Grundfos model 55039	240VAC, 1 phase, 1/3 hp pumps		Manifolded (K1)	Franklin Notload Panel CP3 Room 9631.0104
RW-15	RWT GW	Bldg. 963 Coin. K manifold cabinet	1	Grundfos model 55039	240VAC, 1 phase, 1/3 hp pumps		Manifolded (K1)	Franklin Notload Panel CP3 Room 9631.0104
RW-16	RWT GW	Bldg. 963 Coin. K manifold cabinet	1	Grundfos model 55039	240VAC, 1 phase, 1/3 hp pumps		Manifolded (K1)	Franklin Notload Panel CP3 Room 9631.0104
RW-18	RWT GW	Bldg. 963 Coin. K manifold cabinet	1	Grundfos model 55039	240VAC, 1 phase, 1/3 hp pumps		Manifolded (K1)	Franklin Notload Panel CP3 Room 9631.0104
RW-19 (Abandoned)	RWT GW	Near PCE separator	1	Grundfos big pump	single phase		Manifold	conductance type level controls
RW-28	RWT GW	Bldg. 963 Column F-1 pump room	1	Grundfos model 55039	pumps		Manifolded (K1)	Franklin Notload
RW-29 (Abandoned)	RWT GW	Near PCE separator	1	Grundfos model LP 1301	Pneumatic			Well Master controller, QED model 1380, Pulse Sender Controller, QED model 13
RW-35 (Abandoned)	RWT GW	Near PCE separator	1	Grundfos model LP 1301	Pneumatic			Well Master controller, QED model 1380, Pulse Sender Controller, QED model 13
RW-45 (Abandoned)	RWT GW	Near PCE separator	1	Grundfos model LP 1301	Pneumatic			Well Master controller, QED model 1380, Pulse Sender Controller, QED model 13
RW-55 (Abandoned)	RWT GW	Near PCE separator	1	Grundfos model LP 1301	Pneumatic			Well Master controller, QED model 1380, Pulse Sender Controller, QED model 13
RW-65 (Abandoned)	RWT GW	Near PCE separator	1	Grundfos model LP 1301	Pneumatic			Well Master controller, QED model 1380, Pulse Sender Controller, QED model 13
RW-77 (Abandoned)	RWT GW	Near PCE separator	1	Grundfos model LP 1301	Pneumatic			Well Master controller, QED model 1380, Pulse Sender Controller, QED model 13
RW-89 (Abandoned)	RWT GW	Near PCE separator	1	Grundfos model LP 1301	Pneumatic			Well Master controller, QED model 1380, Pulse Sender Controller, QED model 13
RW-99 (Abandoned)	RWT GW	Near PCE separator	1	Grundfos model LP 1301	Pneumatic			Well Master controller, QED model 1380, Pulse Sender Controller, QED model 13

Pump Station LFPS

Location	Influent	Effluent	Number	Equipment	Detail	FlowMeters	Totalliers	Control
RW-24	Atollum/first GW	Landfill Pump Station	1	Grundfos model 55039	240 VAC, 1/3 hp		Neptune flowmeter 1-10	
LFPS	2 Landfill Trench Drains RW-24	Landfill Pump Station	2	Hydromatic SKH 150 pumps				Reby loge

PCE SEPARATOR

PCE Separator Has Been Removed								
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Filter Building 482

Location	Influent	Effluent	Number	Equipment	Detail	FlowMeters	Totalliers	Control
Sediment Filters (1)	PCE Separator, Manifold K1, FDI-PS, EP2-PS, FDI-PS, RW-1X	Roberts tank	2	Dual Cuno SS-20 (5554) cartridge filter				Differential pressure sensor
Sediment Filters (2)	Spill Containment and Truck unloading area	Roberts tank	4	Stypp Cuno SS-20 (5554) cartridge filter				Differential pressure sensor
Sediment Filters (3)	Leach and Storm Drains RW-1X	Roberts tank	2	Dual Cuno SVCC cartridge filters				Differential pressure sensor

Corrective Action Equipment Assets
IBM Burlington, VT

Roberts Tank	Sediment Filter	GAC 3.0	1	Robert's Reed/Sump/Storage	2250 gal/ton			Level sensor
Transfer Pumps	Roberts tank	GAC 3.0	1	Sandpiper VIP SI 1-1/2 A	Air operated	Sigmet MK 575	Sigmet 3-8500	Level sensor
Transfer Pumps	Roberts tank	GAC 3.0	1	Sandpiper VIP SI 1-1/2 A	Air operated	Sigmet MK 575	Sigmet 3-8500	Level sensor
Transfer Pumps	Pore Tank	Roberts tank	2	Sandpiper Pump model SI 1A	Air operated	Sigmet MK 575	Sigmet 3-8500	Level sensor
3-8 GAC Adapters	Roberts tank	static mixer	2	Model 3-8 GAC Adapters	2,000 pounds			Level and pressure control
7-8 GAC Adapters	Drive wet well	stems drain / cooling water make up	2	Model 7-8 GAC Adapters	10,000 pounds			Level and pressure control
2-5 GAC Air Compressor	7-5 GAC delivery/dispense		1	Quincy Model O/R/T 25 air compressor	25 hp			
Truck Unload Area	Soil Containment	Sediment Filter (2)	1	Sandpiper VIP SI 1-1/2 A	Air operated	Sigmet MK 575	Sigmet 3-8500	Level sensor
Booster Blower	VEW-74	Hoffman Blower	1	Spenser	1.25 hp Regenerative			
Grease Emergency Effluent Carbon Treatment	Grease Disruption Unit	Ambient Air	2	200 lb Vapor Phase GAC Drum				

BUILDING 963 COMMON FORCE MAIN

Location	Influent	Effluent	Number	Equipment	Detail	FlowMeters	Totallizers	Control
Column A1A Manifold & Courtyard Vapor Extract on Knotout 1th Station								
		Filter Building						

Fire Training Area (FTA)

Location	Influent	Effluent	Number	Equipment	Detail	FlowMeters	Totallizers	Control
Carbon Drums	Sediment Filter (2)	RW1 of River	2	50 gallon carbon drums operated in series	Inserts by Cagon	Stetson Flowmeters	Flowmeters	PLC
Emergency Waste Tank Pump	FTA Treatment System	Industrial Waste Treatment Plant		submersible pump	1 1/2 hp Grundfos			PLC
System/Treated Water Wet Well RW-11	Baral Till	FTA Support Bldg	1	submersible pump	5 gpm max			PLC
RW-12	RW1	FTA Support Bldg	1	submersible pump	5 gpm max			PLC
Sediment Filter (1)	RW-11, RW-12, Soil Pad	Carbon Drums	1	CLINO SS 8 media and beds eight 10" or four 20" 75 or 50 micron filter filters				
Sediment Filter (2)	RW-11, RW-12, Soil Pad	Carbon Drums	1	second and third beds taps are CLINO Model 1M2 units that hold two 10" or one 20" filters each				
Soil Pad	Rain water	FTA Support Bldg	2	sump pump				Level sensor

Soil Vapor Extraction (SVE) - Separate inventory needed for these systems

Location	Influent	Effluent	Number	Equipment	Detail	FlowMeters	Totallizers	Control
SVE wells	Soil Gas	Blower	74	Alphaflex B, C, E, G, H, I, L and M	AVC			New VFD Blower
Hoffman Blower	Soil Gas	Moisture Separator	1	Blower Motor, Condenser/Rever				Back-up Blower
Hoffman Blower	Soil Gas	Moisture Separator	1	4207A Blower				
Moisture Separator	Soil Gas	Moisture Separator	1	Blower				

Corrective Action Equipment Assets
IBM Burlington, VT

VARA adsorption system	Power Exhaust	Air / Reg. 482	1	2 Activated Carbon adsorption units, an exhaust fan, 2 stage three phase decant tank, and two pumps to transport the solvent and aqueous phases to separate treatment systems	2,000 pounds of carbon tank, 7.5 hp fan			
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Ozone/Hydrogen Peroxide Treatment System

Location	Influent	Effluent	Number	Equipment	Detail	FlowMeters	TotalHours	Control
Hydrogen peroxide metering pump station			2	Milton Roy 100 metering pump				
In-line mixer			1	Kent's static mixer				
Oxygen concentrator/air separator AS-1			1	AlcoSep PSA Oxygen units				
Ozone destruct units			3	Model OPS 10N, manufactured by Ozone Solutions				
Ozone generators			3	Regiment Technologies (Bentley LTD) Generator OZM CFS 03 AG				
Ozone injector								
Ozone monitors (oxygen analyzers)			1	Model 1584, manufactured by Maxtek Injector Corporation				
Ozone monitors (oxygen and temp)			3	EQ, W88CO ambient				
Ozone monitors (oxygen and temp)			1	OZH-33 Model LC-1				
Ozone monitors (oxygen and temp)			2	1054B OZ dissolved monitors				
Ozone monitors (oxygen analyzers)			1	Analyzer				
Ozone reactors			2	2,250 gallon tanks, Raven Industries	72" diameter, 135" high, fiberglass			
Ozone vent system		SVF master manifold Col J-72 Bldg 963						
Ozone wet well			1	1,500 gallon tank	72" diameter, 96" high, fiberglass	Moore Model 350 controller		
Ozone wet well pumps			2	25 HP pumps, Model 4607	ABB, Model ACS 580A60 variable frequency drive, volt, 3 phase, 60 cycle			
Program Logic Controllers			3	Wegman Corp				
Program Logic Controllers			10	Modicon Model 545 PLC				
Program Logic Controllers			1	Modicon PLC's				
Program Logic Controllers			1	Modicon Quantum PLC				

Corrective Action Structures IBM Burlington, VT

Production Wells

Equipment	Structure	Housing	Location
PW-1R	Vault 12'x12'	Well Head, Pump, Local Controls	north of Bldg. 963 cooling towers
PW-6	Building	Well Head, Pump	Between buildings south of the Biologic Waste Treatment Plant reactors on East Road (BWTP)
PW-7	Building	Well Head, Pump	north of Bldg. 964 near the northwest corner

SD Pumpstations

Equipment	Structure	Housing	Location
SD2-PS	6' diameter precast concrete, 10' deep with a 4-foot square insulated access hatch	pumps, switches, flow meters	northeast of Bldg. 963 and southwest of Bldg. 900
SD3-PS	(2) 5' square precast concrete, 10' and 13' deep each chamber has a 4-foot square insulated access hatch	Diversion chamber, pumps, switches, flow meters	east of SD2-PS behind the chemical pipe trestle on west bank of river
SD5-PS	6' diameter precast concrete, 15' deep with a 4-foot square insulated access hatch	pumps, switches, flow meters	south of Bldg. 974 and northeast of SD3-PS on west bank of the river
SD6-PS	6' diameter precast concrete, 15' deep with a 4-foot square insulated access hatch	Diversion chamber, pumps, switches, flow meters	east of Bldg. 974 and the tank farm
C-19	Manhole	cleanout for underdrain	North of SD2-PS and west of Bldg. 900
C-20	Manhole	cleanout for underdrain	North of SD2-PS and west of Bldg. 900
Cleanout	Manhole	cleanout for underdrain	midway between C-19 and C-20
B1	Manhole/catch basin	Access point to Storm Drain 4	Near Bldg. 900
B3	Manhole/catch basin	Access point to Storm Drain 4	Near Bldg. 900
B4	Manhole/catch basin	Access point to Storm Drain 4	Near Bldg. 900
B5	Manhole/catch basin	Access point to Storm Drain 4	Near Bldg. 900
Cleanouts	Manhole/catch basin	cleanout for underdrain	35' northeast of SD5-PS
Cleanouts	Manhole/catch basin	cleanout for underdrain	25' Southwest of SD5-PS
Sheet Pile wall	Sheet pile wall		Underground between RW-25 and RW-27

Corrective Action Structures
IBM Burlington, VT

Landfill

Equipment	Structure	Housing	Location
LFPS	6' diameter concrete wall tiles, 21' deep with a 6'x4' Bilco hatch	pumps, switches, flow meters	south west of landfill
Trench Drains	2-legs (1) 433' and (2) 143' long	4" PVC slotted well screen and backfill	South and west of landfill
Trench Drain	1 leg	6" PVC slotted well screen and backfill	Upgradient and parallel to sheetpile wall
Cleanouts	4' diameter concrete manhole with 24" access cover	cleanout for underdrain	443' north of LFPS
Cleanouts	4' diameter concrete manhole with 24" access cover	cleanout for underdrain	143' east of LFPS
Sheet Pile wall	310-foot sheet pile wall		Underground between RW-24 and LFPS

EP Pumpstations

Equipment	Structure	Housing	Location
EP1-PS	6' diameter precast concrete, 10' deep with a 4-foot square insulated access hatch	pumps, switches, flow meters	northwest corner of Industrial Waste Treatment plant (IWTP)
EP2-PS	6' diameter precast concrete, 10' deep with a 4-foot square insulated access hatch	pumps, switches, flow meters	east of Industrial Waste Treatment plant (IWTP) on west bank of river
EP3-PS	6' diameter precast concrete, 10' deep with a 4-foot square insulated access hatch	pumps, switches, flow meters	northeast corner of Bldg. 966

Corrective Action Structures IBM Burlington, VT

FTA

Equipment	Structure	Housing	Location
Support Building	8'x12' metal building slab on grade	FTA carbon treatment system, electrical and heat	South perimeter rd, near water tanks
Soil Pad	concrete slab curbed on 3 sides with a catch basin	storage for soil rollofts	southwest of suport bldg
Catch basin	precast concrete 12' x 6' x 8'	pumps, switches, flow meters	part of soil pad

Intergrated Equipmnet

Equipment	Structure	Housing	Location
Conceting piping	Utility Trestle covered and heated	process utilities and GW from wells	From CDC passing Bldg. 900 and ending in Northeast corner of Bldg. 963
RW-1P to 10P	inside Bldg. 963	well heads	Bldg. 963 (Columns A-C 12-15)
Force Mains (963)	inside Bldg. 963	transfer lines from RW to Bldg 482	throughout Bldg. 963
Force Mains (964)	inside Bldg. 964	transfer lines from RW to Bldg 482	throughout Bldg. 964
SVE system (963)	inside Bldg. 963 (mezz)	Blower, carbon treatment, well heads, Water knockouts, manifolds	throughout Bldg. 963
SVE system (964)	inside Bldg. 964 (mezz)	well heads, water knockouts and manifolds	throughout Bldg. 964
SVE Manifold "F"	Metal cabinent	well heads, water knockouts and manifolds	Southeast corner of Bldg. 963
SVE Manifold "H"	Trailer	well heads, water knockouts and manifolds	South of Bldg. 900
GW treatment system	Filter Bldg. 482	sediment filters, GAC systems, Ozone system, mixing vessels	throughout Bldg. 482
GW Discharge	Filter Bldg. 482/plant cooling system make up water	Discharge pumps	throughout Bldg. 482
Electric power	Motor Control Centers	Electric breakers	varrouis MCC through out the plant

Corrective Action Electrical Connections
IBM Burlington, VT

PRODUCTION WELLS

Equipment	Electrical Connection Location
PW-1R	MCC 2II Switch 6C, in Building 963 penthouse, col. H26
PW-6	MCC19II Switch 11B, in Building 054, mezzanine level
PW-7	MCC3A Switch 10B, in Building 963 boiler room, col. H23
PW-1A	MCC1A Switch 2A, in Fire Department pump house*

SD PUMP STATIONS

Equipment	Electrical Connection Location
SD2-PS	Building 963, MCC24, Section 3F
SD3-PS	Building 963, MCC24, Section 5C
SD5-PS	Building 974, MCC2, Section E6
SD6-PS	Building 974, MCC3, Section A3

PUMP STATION LFPS

Equipment	Electrical Connection Location
	Motor control center in Building 971 EXT., MCC 46

Exhibit C
Figure of Regulated Area

