



State of New Jersey

PHIL MURPHY
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SHAWN M. LATOURETTE
Acting Commissioner

SHEILA OLIVER
Lt. Governor

Site Remediation and Waste Management Program
Remediation Review Element
Bureau of Remedial Action Permitting
401 E. State Street
P.O. Box 420
Mail Code 401-05S
Trenton, NJ 08625-0420
Phone: (609) 984-2990

March 6, 2022

Kim Fields
Manager
Jersey City Fields, LLC
550 SE 5th Avenue, Apt 304S
Boca Raton, FL 33432

Benny Dehghi
Global Remediation Director
Honeywell
115 Tabor Road
Morris Plains, NJ 07950

RE: Soil Remedial Action Permit
Site: Hudson County Chromate 117
Address: 440 Route 440 East
City: Jersey City
County: Hudson
SRP Program Interest #: 008809
Soil Remedial Action Permit #: RAP210004 (supersedes RAP150001)
Block: 26101 Lot: 1.01

Dear Ms. Fields and Mr. Dehghi:

Enclosed is a Soil Remedial Action Permit issued pursuant to the Site Remediation Reform Act, 58:10C-1 et seq. and the Administrative Requirements for the Remediation of Contaminated Sites at N.J.A.C. 7:26C-1 et seq. This permit is being issued due to a permittee address change. This permit becomes effective on 03/11/2022. Please note the referenced permit and program interest numbers and refer to them when corresponding with the Department.

The enclosed permit requires the permittee to conduct monitoring, maintenance and evaluation for compliance and effectiveness of the remedial action and its associated institutional control. The permit establishes all requirements necessary for demonstrating that the remedial action and control continue to be protective of public health, safety and the environment.

Requirement to Retain a Licensed Site Remediation Professional (LSRP)

The Technical Requirements for Site Remediation (Technical Requirements) at N.J.A.C. 7:26E-1.8 define remediation to include a remedial action. The Technical Requirements further define remedial action such that "... A remedial action continues as long as an engineering control or an institutional control is needed to protect the public health and safety and the environment, and until all unrestricted use remediation standards are met." Therefore, a person who is implementing a remedial action that includes an engineering or institutional control is conducting remediation, and that person is required to hire a licensed site remediation professional (LSRP) pursuant to the Administrative Requirements for the Remediation of Contaminated Sites (ARRCS; see N.J.A.C. 7:26C-2.3(a) and (b)).

At all times, an LSRP is required to be retained for a case that has a Deed Notice, Classification Exception Area, Soil Remedial Action Permit, and/or Ground Water Remedial Action Permit until the remedial action(s) is no longer needed to protect the public health and safety and the environment, and until all unrestricted use remediation standards are met. The LSRP must be retained to operate, maintain, and monitor the institutional and/or engineering controls at the site, to ensure that the remedial action(s) remains protective of public health and safety and the environment, and to ensure compliance with the requirements of the Deed Notice, Classification Exception Area, Soil Remedial Action Permit, and/or the Ground Water Remedial Action Permit. This includes but is not limited to site inspections, ground water sampling, biennial submission of a Soil and/or Ground Water Remedial Action Protectiveness/Biennial Certification Form and Report, responding to any activities involving the institutional and/or engineering controls at the site, and responding to any public inquiries regarding the current status of the site. It is the responsibility of the LSRP certifying the Remedial Action Permit application to inform the Responsible Entity of the requirement regarding LSRP retention for a case that has a Soil and/or Ground Water Remedial Action Permit.

An LSRP may be retained or dismissed for a case that has an approved Soil and/or Ground Water Remedial Action Permit through the New Jersey Department of Environmental Protection online portal (www.nj.gov/dep/online/) by choosing the "LSRP Retention" or "LSRP Release" submission type selection option within the "LSRP Notification of Retention or Dismissal" service, and choosing the "Remedial Action Permit" activity in the case selection page. Please note that the Bureau of Remedial Action Permitting records the LSRP Retention for pending Remedial Action Permit Applications so there is no need to

perform this function online. Also note that the LSRP Comprehensive Report (datamine2.state.nj.us/DEP_OPRA/OpraMain/categories?category=SRRA) now includes information pertaining to approved Soil and Ground Water Remedial Action Permits to which the LSRP is assigned.

Annual Fees

Please be aware that there are annual fees associated with this permit in accordance with N.J.A.C. 7:26C-4.6. These annual permit fees will be handled by invoicing the fee billing contact we have on record:

Eric Christodoulatos
Senior Remediation Manager
Honeywell
115 Tabor Road
Morris Plains, NJ 07950
Phone: (973) 455-2877
Email: eric.christodoulatos@honeywell.com

Any changes to this contact should be brought to the Department's attention. Changes to fee billing contacts are updates and are not considered modifications to the permit.

The Department looks forward to future continued cooperation in working together to provide a healthy environment for the citizens of New Jersey and to protect its resources. Going forward, questions or comments regarding this permit should be addressed to Rachel Hollingsworth with the Bureau of Remedial Action Permitting at rachel.hollingsworth@dep.nj.gov or (609)984-9891.

Sincerely,



Lynne Mitchell, Assistant Director
Remediation Review Element

Enclosure

cc: Jersey City Clerk (via email)
Jersey City Health Department (via email)

Hudson County Clerk (via email)
Hudson County Health Department (via email)

New Jersey Department of Environmental Protection



Bureau of Remedial Action Permitting
401 East State Street
P.O. Box 420
Mail Code 401-05S
Trenton, NJ 08625-0420
Phone: (609) 984-2990

SOIL REMEDIAL ACTION PERMIT
Deed Notice with Engineering Control

The New Jersey Department of Environmental Protection hereby grants you a Remedial Action Permit pursuant to N.J.S.A. 58:10C-1 et seq. and N.J.A.C. 7:26C-1 et seq. for the facility/activity named in this document. This permit is the regulatory mechanism used by the Department to help ensure your remedial action will be protective of human health and the environment.

This permit establishes the monitoring, maintenance, and evaluation requirements for determining the effectiveness of the deed notice's engineering control.

Site: Hudson County Chromate 117

<u>Facility Address:</u> 440 Route 440 East Jersey City, NJ 07302 Hudson County	<u>SRP PI #:</u> 008809 <u>Permit #:</u> RAP210004 (supersedes RAP150001) Issuance Date: 03/06/2022 Effective Date: 03/11/2022
<u>Person Responsible for Conducting the Remediation - Co-Permittee:</u> Benny Dehghi Global Remediation Director Honeywell 115 Tabor Road Morris Plains, NJ 07950 Phone: (310) 512-2296 Email: benny.dehghi@honeywell.com	
<u>Property Owner - Co-Permittee:</u> Kim Fields Manager Jersey City Fields, LLC 550 SE 5th Avenue, Apt 304S Boca Raton, FL 33432 Phone: (561) 465-3140 Email: kim@fields-realty.com	

I. Authority

The Department is issuing this permit in accordance with N.J.S.A. 58:10C-1 et seq. and N.J.A.C. 7:26C-1et seq.

II. Permit Requirements

A. MONITORING REQUIREMENTS

1. The permittee shall retain a Licensed Site Remediation Professional (LSRP) for the Soil Remedial Action Permit until the remedial action is no longer needed to protect the public health and safety and the environment, and until all unrestricted use remediation standards are met. The LSRP must be retained to operate, maintain, and monitor the institutional and/or engineering controls at the site, to ensure that the remedial action remains protective of public health and safety and the environment, and to ensure compliance with the requirements of the Soil Remedial Action Permit. This includes but is not limited to site inspections, biennial submission of a Soil Remedial Action Protectiveness/Biennial Certification Form and Report, responding to any activities involving the institutional and/or engineering controls at the site, and responding to any public inquiries regarding the current status of the site. [N.J.A.C. 7:26C- 2.3(a and b)]
2. The permittee shall conduct monitoring and maintenance pursuant to Attachment A of the Soil Remedial Action Permit. [N.J.A.C. 7:26C- 7.8(a)]
3. The permittee shall conduct periodic inspections of each engineering control to determine its integrity, operability, and effectiveness. [N.J.A.C. 7:26C- 7.8(b)2]
4. The permittee shall conduct periodic inspections of any excavations or disturbances that have resulted in unacceptable exposure to the soil contamination. The permittee shall maintain a detailed maintenance and evaluation log. [N.J.A.C. 7:26C- 7.8(b)]

B. REMEDIAL ACTION PROTECTIVENESS/BIENNIAL CERTIFICATION FORM

1. Reporting Requirements

- a. The permittee shall prepare and submit to the Department a Remedial Action Protectiveness/Biennial Certification Form every two years following the anniversary of the date of the effective date of this permit. The certification shall be submitted on the required form provided by the Department. Submit a Remedial Action Protectiveness/Biennial Certification Form biennially from the effective date of this permit. [N.J.A.C. 7:26C- 7.7(a)1]

2. Evaluation Requirements

- a. The permittee shall hire a Licensed Site Remediation Professional to prepare and certify that the remedial action continues to be protective of the public health and safety and the environment. [N.J.A.C. 7:26C- 1.5(a)2]
- b. The permittee shall conduct the remediation in accordance with all applicable statutes, rules, and guidance. [N.J.A.C. 7:26C- 1.2(a)]
- c. The permittee shall provide the results of the periodic inspections required under the monitoring requirements of this permit. [N.J.A.C. 7:26C- 7.8(c)]

d. The Remedial Action Protectiveness/Biennial Certification Form shall include an evaluation of any actual or pending zoning or land use changes to determine if these changes are consistent with the use restrictions contained in the attached deed notice/declaration of environmental restriction. If the evaluation finds that the engineering/institutional controls are no longer protective of the public health and safety and the environment, the permittee shall implement appropriate remedial action to ensure that the engineering/institutional controls are protective of the public health and safety and the environment. [N.J.A.C. 7:26C- 7.8(b)1]

e. The Remedial Action Protectiveness/Biennial Certification Form shall include a comparison of the laws, Remediation Standards, and other regulations applicable at the time the engineering or institutional control was established with any relevant subsequently promulgated or modified laws or regulations to determine whether the engineering or institutional control remains protective. The results shall be provided in table format, comparing of applicable laws, regulations, and standards. [N.J.A.C. 7:26C- 7.8(b)3]

C. FINANCIAL ASSURANCE REQUIREMENTS

1. Reporting Requirements - Letter of Credit

a. The permittee shall have the issuer of the Letter of Credit notify the Department, and the person providing the Letter of Credit by certified mail that, if the issuer of the Letter of Credit decides not to extend the letter of credit beyond the expiration date. Submit a written notification of lapse of Letter of Credit prior to 120 days before the letter of credit expiration date. [N.J.A.C. 7:26C- 5.7(a)4]

b. The permittee shall prepare an estimate of the future costs to operate, maintain, and inspect all engineering controls subject to this permit, and submit it to the Department. Submit engineering controls maintenance cost estimate with the Protectiveness/Biennial Certification biennially from the effective date of this permit. [N.J.A.C. 7:26C- 7.10(a)1]

2. Financial Assurance - Maintenance

a. The permittee shall maintain financial assurance in an amount equal to or greater than the most recent estimated full cost to operate, maintain, and inspect all engineering controls that are part of any remedial action over the life of the permit. [N.J.A.C. 7:26C- 7.7(a)3]

D. FEES

1. For each year hereafter on the anniversary of the effective date of this permit, the Department shall invoice the permittees the amount of the annual Remedial Action Permit Fee. [N.J.A.C. 7:26C- 4.6]

E. PERMIT TRANSFERS

1. The permittee shall, no later than 60 days after the sale or transfer of the property, or transfer of the operation of the property, or termination of a lease, submit a Remedial Action Permit Transfer/Change of Ownership Application and pay the permit transfer fee to the Department. [N.J.A.C. 7:26C- 7.11(b)]

F. PERMIT MODIFICATIONS

1. Soil Permit Modifications

- a. The permittee shall apply to have the Department modify a Remedial Action Permit after a change in the remedial action pursuant to N.J.A.C. 7:26C-6.4. [N.J.A.C. 7:26C- 7.12(b)1]
- b. The permittee shall apply to have the Department modify a Remedial Action Permit after a modification of the engineering or institutional controls, which will result in changes to the exhibits in the deed notice or in the notice in N.J.A.C. 7:26C-7.2(c)2. [N.J.A.C. 7:26C- 7.12(b)2]
- c. The permittee shall apply to have the Department modify a Remedial Action Permit after the permittee changes its address. [N.J.A.C. 7:26C- 7.12(b)3]

G. PERMIT TERMINATIONS

1. A request for a permit termination can be filed by submitting a Remedial Action Permit Application to terminate the permit to the Department when the remedial action meets all applicable remediation standards without the need for the Remedial Action Permit and the remedial action is protective of the public health and safety and of the environment without the presence of the Remedial Action Permit. [N.J.A.C. 7:26C- 7.13]

H. FORM SUBMITTAL

1. Any forms, applications or documents required by this chapter that can be submitted in an electronic format shall be submitted electronically 90 days after the date that the Department informs the public in the New Jersey Register that the relevant electronic application is functional. [N.J.A.C. 7:26C- 1.6(c)]
2. All submissions required pursuant to this permit shall be made on forms approved and available from the Department. These forms and instructions for completing these forms can be found at <http://www.nj.gov/dep/srp/srra/forms>. [N.J.A.C. 7:26C- 1.6]

I. RESTRICTED LAND USES

1. Contaminated sites remediated to non-residential soil remediation standards that require the maintenance of engineering and/or institutional controls cannot be converted to a child care facility, public, private or charter school without the Department's prior approval, unless a presumptive remedy is implemented pursuant to the Presumptive Remedies for Soil Contamination at Schools, Child Care Centers, and Residences. [N.J.A.C. 7:26E- 5.3]

III. Permit Schedule

Permit Effective Date: 12/28/2017	
Submission Requirement	Due Date
Submit a Remedial Action Protectiveness/Biennial Certification Form	12/28/2023
Submit a Remedial Action Protectiveness/Biennial Certification Form	12/28/2025
Submit a Remedial Action Protectiveness/Biennial Certification Form	12/28/2027
Submit a Remedial Action Protectiveness/Biennial Certification Form	12/28/2029
Submit a Remedial Action Protectiveness/Biennial Certification Form	12/28/2031
Submit a Remedial Action Protectiveness/Biennial Certification Form	12/28/2033

Submit a Remedial Action Protectiveness/Biennial Certification Form	12/28/2035
Submit a Remedial Action Protectiveness/Biennial Certification Form	12/28/2037
Submit a Remedial Action Protectiveness/Biennial Certification Form	12/28/2039
Submit a Remedial Action Protectiveness/Biennial Certification Form	12/28/2041
Submit a Remedial Action Protectiveness/Biennial Certification Form	12/28/2043
Submit a Remedial Action Protectiveness/Biennial Certification Form	12/28/2045
Submit a Remedial Action Protectiveness/Biennial Certification Form	12/28/2047
Submit a Remedial Action Protectiveness/Biennial Certification Form	12/28/2049
Submit a Remedial Action Protectiveness/Biennial Certification Form	12/28/2051
Submit a Remedial Action Protectiveness/Biennial Certification Form	12/28/2053

Note: Remedial Action Protectiveness/Biennial Certification Forms are required to be submitted according to the schedule, and shall continue to be submitted until the Permit is terminated or modified.

Your Soil Remedial Action Permit under Administrative Requirements for the Remediation of Contaminated Sites, N.J.A.C. 7:26C-1 et seq. has been approved by the New Jersey Department of Environmental Protection.

Sincerely,



Lynne Mitchell, Assistant Director
Remediation Review Element

IV. Attachments:

- A. Monitoring and Maintenance Plan
- B. Deed Notice

Attachment A
Monitoring and Maintenance Plan for
Soil Remedial Action Permit

Case Information:

Preferred ID:	008809
RAP Number:	RAP210004 (supersedes RAP150001)
Case Name:	Hudson County Chromate 117
Address:	440 Route 440 East
City:	Jersey City
County:	Hudson County

Monitoring and Maintenance Schedule:

Deed Notice Area	Institutional /Engineering Control	Inspection Schedule
Asphalt only	Asphalt Cap	Quarterly
Asphalt with liner	Asphalt Cap	Quarterly
Building concrete slab with liner	Concrete Cap	Quarterly
Vegetative cover	Permeable Cover	Quarterly
Concrete with liner	Concrete Cap	Quarterly

Attachment B
Deed Notice



20150209010011240 1/29
 02/09/2015 10:14:20 AM DEED
 Bk: 9021 Pg: 723
 Pamela E. Gardner
 Hudson County, Register of Deeds
 Receipt No. 984778

DEED NOTICE

IN ACCORDANCE WITH N.J.S.A. 58:10B-13, THIS DOCUMENT IS TO BE RECORDED IN THE SAME MANNER AS ARE DEEDS AND OTHER INTERESTS IN REAL PROPERTY.

Prepared by: Russell Berghad (J.H.)
 [Signature]
Russell Berghad
 [Print name below signature]



20150507010037620 1/29
 05/07/2015 01:32:36 PM DEED
 Bk: 9037 Pg: 7
 Pamela E. Gardner
 Hudson County, Register of Deeds
 Receipt No. 1013558

Recorded by: _____
 [Signature, Officer of County Recording Office]

 [Print name below signature]

DEED NOTICE

This Deed Notice is made as of the ____ day of _____, 2015, by Jersey City Fields, L.L.C., 7412 Stonegate Blvd., Parkland, Florida 33076 (together with its successors and assigns, collectively "Owner").

1. THE PROPERTY. Jersey City Fields, L.L.C. is the owner in fee simple of certain real property designated as Block 26101, Lot 1.01, on the tax map of the City of Jersey City, Hudson County; the New Jersey Department of Environmental Protection Program (NJDEP) Interest Number (Preferred ID) for the contaminated site which includes this property is 008809; and the property is more particularly described in Exhibit A, which is attached hereto and made a part hereof (the "Property").

2. REMEDIATION.

i. The NJDEP has approved this Deed Notice as an institutional control for the Property, which is part of the remediation of the Property.

ii. N.J.A.C. 7:26C-7 requires the Owner, among other persons, to obtain a soil remedial action permit for the soil remedial action at the Property. That permit will contain the monitoring, maintenance and biennial certification requirements that apply to the Property.

3. SOIL CONTAMINATION. G. Heller Enterprises, Inc., prior owner of the Property, in cooperation with Honeywell International Inc (Honeywell), remediated contaminated soil at the Property, such that soil contamination remains in certain areas of the Property in concentrations that do not allow for the unrestricted use of the Property; this soil contamination is described, including the type, concentration and specific location of such contaminants, in Exhibit B, which is attached hereto and made a part hereof. The remedial actions were documented in a Remedial

This Deed Notice is being re-recorded to replace Exhibit B1-A.

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Action Report dated February 1998, and the New Jersey Department of Environmental Protection issued a No Further Action Letter for soils dated March 27, 1998. As a result, there is a statutory requirement for this Deed Notice and engineering controls in accordance with N.J.S.A. 58:10B-13. (NOTE: An institutional control for groundwater referred to as a Classification Exception Area [CEA] was approved by the NJDEP on February 16, 2012; CEA information can be obtained from the NJDEP via Open Public Records Act records request.)

4. CONSIDERATION. In accordance with the remedial action for the Property, and in consideration of the terms and conditions of that remedial action, and other good and valuable consideration, Owner has agreed to subject the Property to certain statutory and regulatory requirements that impose restrictions upon the use of the Property, to restrict certain uses of the Property, and to provide notice to subsequent owners, lessees and operators of the restrictions and the monitoring, maintenance, and biennial certification requirements outlined in this Deed Notice and required by law, as set forth herein.

5A. RESTRICTED AREAS. Due to the presence of contamination remaining at concentrations that do not allow for unrestricted use, the Owner has agreed, as part of the remedial action for the Property, to restrict the use of certain parts of the Property (the "Restricted Areas"); a narrative description of these restrictions is provided in Exhibit C, which is attached hereto and made a part hereof. The Owner has also agreed to maintain a list of these restrictions on site for inspection by governmental officials, operators, tenants, lessees, and contractors and workers intending to conduct invasive work within the Restricted Area.

5B. RESTRICTED LAND USES. The following statutory land use restrictions apply to the Restricted Areas:

i. The Brownfield and Contaminated Site Remediation Act, N.J.S.A. 58:10B-12.g(10), prohibits the conversion of a contaminated site, remediated to non-residential soil remediation standards that require the maintenance of engineering or institutional controls, to a child care facility, or public, private, or charter school without the Department's prior written approval, unless a presumptive remedy is implemented; and

ii. The Brownfield and Contaminated Site Remediation Act, N.J.S.A. 58:10B-12.g(12), prohibits the conversion of a landfill, with gas venting systems and or leachate collection systems, to a single family residence or a child care facility without the Department's prior written approval.

5C. ENGINEERING CONTROLS. Due to the presence and concentration of these contaminants, the Owner has also agreed, as part of the remedial action for the Property, to the placement of certain engineering controls on the Property; a narrative description of these engineering controls is provided in Exhibit C.

5D. WORKER PROTECTION PLAN. Honeywell has prepared a Worker Protection Plan for use by the owner, lessee and/or operators for the protection of workers who may be potentially exposed to chromium-impacted soils or groundwater in conjunction with utility or other ground intrusive work on the Property; the Worker Protection Plan identifies health and

safety requirements for the protection of personnel and contractors who may perform ground intrusive activities (e.g., digging, drilling, excavation) that may disturb existing engineering controls and provides a basis for worker awareness to inform workers of potential hazards associated with chromium-impacted media. The Owner shall make the Worker Protection Plan available to operators, tenants, contractors and/or utility workers intending to conduct invasive work within the Restricted Area to prevent unauthorized disturbance of engineering controls and potential exposure to contaminants.

6A. CHANGE IN OWNERSHIP AND REZONING.

i. The Owner and the subsequent owners and lessees, shall cause all leases, grants, and other written transfers of an interest in the Restricted Areas to contain a provision expressly requiring all holders thereof to take the Property subject to the restrictions contained herein and to comply with all, and not to violate any of the conditions of this Deed Notice. Nothing contained in this Paragraph shall be construed as limiting any obligation of any person to provide any notice required by any law, regulation, or order of any governmental authority.

ii. The Owner and the subsequent owners shall provide written notice to the Department of Environmental Protection on a form provided by the Department and available at www.nj.gov/srp/forms within thirty (30) calendar days after the effective date of any conveyance, grant, gift, or other transfer, in whole or in part, of the owner's interest in the Restricted Area.

iii. The Owner and the subsequent owners shall provide written notice to the Department, on a form available from the Department at www.nj.gov/srp/forms, within thirty (30) calendar days after the owner's petition for or filing of any document initiating a rezoning of the Property to residential.

6B. SUCCESSORS AND ASSIGNS. This Deed Notice shall be binding upon Owner and upon Owner's successors and assigns, and subsequent owners, lessees and operators while each is an owner, lessee, or operator of the Property.

7A. ALTERATIONS, IMPROVEMENTS, AND DISTURBANCES.

i. The Owner and all subsequent owners and lessees shall notify any person, including, without limitation, tenants, employees of tenants, and contractors, intending to conduct invasive work or excavate within the Restricted Areas, of the nature and location of contamination in the Restricted Areas, of the precautions necessary to minimize potential human exposure to contaminants, and, of the Worker Protection Plan that must be followed.

ii. Except as provided in Paragraph 7B, below, no person shall make, or allow to be made, any alteration, improvement, or disturbance in, to, or about the Property which disturbs any engineering control at the Property without first obtaining a soil remedial action permit modification pursuant to N.J.A.C. 7:26C-7. Nothing herein shall constitute a waiver of the obligation of any person to comply with all applicable laws and regulations including,

without limitation, the applicable rules of the Occupational Safety and Health Administration.

iii. Notwithstanding subparagraph 7Aii., above, a soil remedial action permit modification is not required for any alteration, improvement, or disturbance provided that the owner, lessee or operator:

(A) Notifies the Department of Environmental Protection of the activity by calling the DEP Hotline, at 1-877-WARN-DEP or 1-877-927-6337 within twenty-four (24) hours after the beginning of each alteration, improvement, or disturbance; and notifies Honeywell (by calling 855-727-2658) and the Owner at least seventy-two (72) hours before the beginning of each alteration, improvement, or disturbance;

(B) Restores any disturbance of an engineering control to pre-disturbance conditions within sixty (60) calendar days after the initiation of the alteration, improvement or disturbance;

(C) Follows the Worker Protection Plan, and, all applicable worker health and safety laws and regulations during the alteration, improvement, or disturbance, and during the restoration;

(D) Takes appropriate measures so that human exposure to contamination in excess of the remediation standards does not occur; and

(E) Describes, in the next biennial certification the nature of the alteration, improvement, or disturbance, the dates and duration of the alteration, improvement, or disturbance, the name of key individuals and their affiliations conducting the alteration, improvement, or disturbance, a description of the notice the Owner gave to those persons prior to the disturbance.

7B. EMERGENCIES. In the event of an emergency which presents, or may present, an unacceptable risk to the public health and safety, or to the environment, or immediate environmental concern, see N.J.S.A. 58:10C-2, any person may temporarily breach an engineering control provided that that person complies with each of the following:

i. Immediately notifies the Department of Environmental Protection of the emergency, by calling the DEP Hotline at 1-877-WARNDEP or 1-877-927-6337 and then notifies Honeywell by calling 855-727-2658 and the Owner;

ii. If applicable, hires a Licensed Site Remediation Professional (unless the Restricted Areas includes an unregulated heating oil tank) to respond to the emergency;

iii. Limits both the actual disturbance and the time needed for the disturbance to the minimum reasonably necessary to adequately respond to the emergency;

iv. Implements all measures necessary to limit actual or potential, present or future risk of exposure to humans or the environment to the contamination;

v. Notifies the Department of Environmental Protection when the emergency or immediate environmental concern has ended by calling the DEP Hotline at 1-877-WARNDEP or 1-877-927-6337; and

vi. Restores the engineering control to the pre-emergency conditions as soon as possible, and provides notification to the Department of Environmental Protection within sixty (60) calendar days after completion of the restoration of the engineering control, including: (a) the nature and likely cause of the emergency; (b) the potential discharges of or exposures to contaminants, if any, that may have occurred; (c) the measures that have been taken to mitigate the effects of the emergency on human health and the environment; (d) the measures completed or implemented to restore the engineering control; and (e) the changes to the engineering control or site operation and maintenance plan to prevent reoccurrence of such conditions in the future.

8. TERMINATION OF DEED NOTICE.

i. This Deed Notice may be terminated only upon filing of a Termination of Deed Notice, available at N.J.A.C. 7:26C Appendix C, with the office of the Hudson County Register of Deeds expressly terminating this Deed Notice.

ii. Within thirty (30) calendar days after the filing of a Termination of Deed Notice, the owner of the property shall apply to the Department for termination of the soil remedial action permit pursuant to N.J.A.C. 7:26C-7.

9. ACCESS. The Owner, and the subsequent owners, lessees and operators agree to allow the Department, its agents and representatives access to the Property to inspect and evaluate the continued protectiveness of the remedial action that includes this Deed Notice and to conduct additional remediation to provide for the protection of the public health and safety and of the environment if the subsequent owners, lessees and operators, during their ownership, tenancy, or operation, and the Owner fail to conduct such remediation pursuant to this Deed Notice as required by law. The Owner, and the subsequent owners and lessees, shall also cause all leases, subleases, grants, and other written transfers of an interest in the Restricted Areas to contain a provision expressly requiring that all holders thereof provide such access to the Department.

10. ENFORCEMENT OF VIOLATIONS.

i. This Deed Notice itself is not intended to create any interest in real estate in favor of the Department of Environmental Protection, nor to create a lien against the Property, but merely is intended to provide notice of certain conditions and restrictions on the Property and to reflect the regulatory and statutory obligations imposed as a conditional remedial action for this site.

ii. The restrictions provided herein may be enforceable solely by the Department against any person who violates this Deed Notice. To enforce violations of this Deed Notice, the Department may initiate one or more enforcement actions pursuant to N.J.S.A. 58:10-23.11, and N.J.S.A. 58:10C, and require additional remediation and assess damages pursuant to N.J.S.A. 58:10-23.11, and N.J.S.A. 58:10C.

11. SEVERABILITY. If any court of competent jurisdiction determines that any provision of this Deed Notice requires modification, such provision shall be deemed to have been modified automatically to conform to such requirements. If a court of competent jurisdiction determines that any provision of this Deed Notice is invalid or unenforceable and the provision is of such a nature that it cannot be modified, the provision shall be deemed deleted from this instrument as though the provision had never been included herein. In either case, the remaining provisions of this Deed Notice shall remain in full force and effect.

12A. EXHIBIT A. Exhibit A includes the following maps of the Property and the vicinity:

- i. Exhibit A-1: Vicinity Map - A map that identifies by name the roads, and other important geographical features in the vicinity of the Property;
- ii. Exhibit A-2: Metes and Bounds Description - A tax map of lots and blocks as well as metes and bounds description of the Property, including reference to tax lot and block numbers for the Property;
- iii. Exhibit A-3: Property Map - A scaled map of the Property, scaled at one inch to 200 feet or less, and if more than one map is submitted, the maps shall be presented as overlays, keyed to a base map; and the Property Map shall include diagrams of major surface topographical features such as buildings, roads, and parking lots.

12B. EXHIBIT B. Exhibit B includes the following descriptions of the Restricted Areas:

- i. Exhibit B-1: Restricted Area Map - A separate map for each restricted area that includes:
 - (A) As-built diagrams of each engineering control, including caps, fences, slurry walls, (and, if any) ground water monitoring wells, extent of the ground water classification exception area, pumping and treatment systems that may be required as part of a ground water engineering control in addition to the deed notice;
 - (B) As-built diagrams of any buildings, roads, parking lots and other structures that function as engineering controls; and
 - (C) Designation of all soil and sediment sample locations within the restricted areas that exceed any soil or sediment standard that are keyed into one of the tables described in the following paragraph.

ii. Exhibit B-2: Restricted Area Data Table - A separate table for each restricted area that includes either (A) or (B) through (F) (Data not available electronically; it is provided on the figures presented as Exhibits B-2A through F):

(A) Only for historic fill extending over the entire site or a portion of the site and for which analytical data are limited or do not exist, a narrative that states that historic fill is present at the site, a description of the fill material (e.g., ash, cinders, brick, dredge material), and a statement that such material may include, but is not limited to, contaminants such as PAHs and metals;

(B) Sample location designation from Restricted Area map (Exhibit B-1) (Locations shown on Exhibit B-2A through F);

(C) Sample elevation based upon mean sea level (Sample elevations are not available based on information provided by historic reports. Sample depth intervals were provided however, the ground surface elevation has changed due to the implemented remedial action and development of the property);

(D) Name and chemical abstract service registry number of each contaminant with a concentration that exceeds the unrestricted use standard (CAS Numbers are provided on Exhibits B-2A through F);

(E) The restricted and unrestricted use standards for each contaminant in the table; and (applicable standards for each contaminant are provided on Exhibits B-2A through F)

(F) The remaining concentration of each contaminant at each sample location at each elevation (concentrations are provided on Exhibits B-2A through F).

12C. EXHIBIT C. Exhibit C includes narrative descriptions of the institutional controls and engineering controls as follows:

i. Exhibit C-1: Deed Notice as Institutional Control: Exhibit C-1 includes a narrative description of the restriction and obligations of this Deed Notice that are in addition to those described above, as follows:

(A) Description and estimated size of the Restricted Areas as described above;

(B) Description of the restrictions on the Property by operation of this Deed Notice; and

(C) The objective of the restrictions.

ii. Exhibit C-2: Asphalt Pavement / Geomembrane Liner Cap: Exhibit C-2 includes a narrative description of the Asphalt Pavement / Geomembrane Liner Cap as follows:

(A) Description of the engineering control;

(B) The objective of the engineering control; and

(C) How the engineering control is intended to function.

iii. Exhibit C-3: Concrete / Geomembrane Liner Cap: Exhibit C-3 includes a narrative description of the Concrete / Geomembrane Liner Cap as follows:

(A) Description of the engineering control;

(B) The objective of the engineering control; and

(C) How the engineering control is intended to function.

iv. Exhibit C-4: Building Concrete Slab / Geomembrane Liner Cap: Exhibit C-4 includes a narrative description of the Building Concrete Slab / Geomembrane Liner Cap as follows:

(A) Description of the engineering control;

(B) The objective of the engineering control; and

(C) How the engineering control is intended to function.

iv. Exhibit C-5: Vegetative / Geomembrane Liner Cap: Exhibit C-5 includes a narrative description of the Vegetative / Geomembrane Liner Cap as follows:

(A) Description of the engineering control;

(B) The objective of the engineering control; and

(C) How the engineering control is intended to function.

v. Exhibit C-6: Asphalt Pavement Cap: Exhibit C-6 includes a narrative description of the Asphalt Pavement Cap as follows:

(A) Description of the engineering control;

(B) The objective of the engineering control; and

(C) How the engineering control is intended to function.

13. SIGNATURES. IN WITNESS WHEREOF, Owner has executed this Deed Notice as of the date first written above.

ATTEST: Jersey City Fields, LLC

Margaret L Carawite By Steven Fields

Margaret L Carawite Steven Fields - Managing Member of Fields Realty,
[Print name and title] [Signature] the Manager of Jersey City Fields, LLC

STATE OF NEW JERSEY SS.:
COUNTY OF HUDSON

I certify that on 1/14, 2015, [Name of person executing document on behalf of Owner] personally came before me, and this person acknowledged under oath, to my satisfaction, that:

- (a) this person is the [secretary/assistant secretary] of Jersey City Fields, LLC, the corporation named in this document;
- (b) this person is the attesting witness to the signing of this document by the proper corporate officer who is the [president/vice president] of the corporation;
- (c) this document was signed and delivered by the corporation as its voluntary act and was duly authorized;
- (d) this person knows the proper seal of the corporation which was affixed to this document; and
- (e) this person signed this proof to attest to the truth of these facts.

Kim B. Fields

[Signature]

Kim B. Fields

[Print name and title of attesting witness]

Signed and sworn before me on Jan. 14, 2015

Margaret L Carawite, Notary Public

Margaret L Carawite

[Print name and title]



Exhibit A

A-1: Vicinity Map

A-2A: Metes and Bounds Description

A-2B: Tax Map of Lots and Blocks

A-3: Property Map

Exhibit A-2A

Metes and Bounds Description

All that certain lot, tract or parcel of land situate, lying and being in the City of Jersey City, in the County of Hudson and the State of New Jersey, designated as Proposed Lot 1.01 as shown on a map entitled "Minor Subdivision Plat for Bayfront Redevelopment, LLC, Lot 1 Block 26101 (Formerly Block 1285.05), City of Jersey City, Hudson County, New Jersey" prepared by Maser Consulting, P.A. dated September 9, 2011, last revised April 2, 2012, being a portion of Lot 1, Block 26101 (former block 1285.05) as shown on the Official Tax Map for the City of Jersey City, and being more particularly bounded and described as follows, to wit:

BEGINNING at the first corner of lands described in a deed from DDR Southeast Jersey City, L.L.C., to Jersey City Fields, LLC, dated September 12, 2008 and recorded in the Hudson County Clerk's Office on September 18, 2008 in deed book 8611, page 257; said corner being located the following two (2) courses from a stone monument in the westerly sideline of West Side Avenue, distant 591.77 feet northerly from the northerly line of Woodlawn Avenue, projected Northwestwardly, as described therein:

- A. N 49° 06' 18" W 313.37 feet; thence-
- B. S 52° 35' 42" W 51.06 feet; to the True Point of **BEGINNING**, and running; thence-

Along the outside line of the aforementioned Lot 1, the following nine (9) courses:

- 1. S 52° 35' 42" W 346.87 feet, southwestwardly along the westerly line of the former West Side Connecting Railroad, to a point of non-tangent curvature; thence –
- 2. Along the same, on a non-tangent arc to the left having a radius of **1960.00 feet**, an arc length of **26.80 feet**, (central angle **00 ° 47' 00"**) said arc being connected by a chord bearing **S 52° 24' 50"** W a chord distance of **26.80 feet**; thence-
- 3. S 85° 26' 02" W 34.46 feet; thence –
- 4. S 49° 06' 18" E 19.50 feet; thence –
- 5. Along the same, on a non-tangent arc to the left having a radius of **1960.00 feet**, an arc length of **655.11 feet**, (central angle **19 ° 09' 02"**) said arc being connected by a chord bearing **S 41° 42' 58"** W a chord distance of **652.07 feet**; thence –
- 6. N 21° 31' 18" E 77.11 feet; thence –
- 7. N 13° 28' 10" E 28.00 feet; thence –
- 8. N 12° 32' 29" E 24.91 feet; thence –
- 9. N 49° 06' 18" W 510.83 feet; to the easterly line of Lot 1, Block 21902 lands now or formerly of Bayfront Redevelopment LLC, as shown on the aforementioned minor subdivision plat, said lands also being lands formerly of the Morris Canal Banking Company as recited in the aforementioned deed book 8611, page 262; thence–

Along said easterly line, the same being courses two (2), three (3), and four (4), as described in said deed, reversed, the following three (3) courses:

- 10. N 24° 46' 42" E 757.49 feet, thence –
- 11. S 49° 06' 18" E 5.21 feet; thence –
- 12. N 24° 46' 42" E 102.45 feet; to the proposed subdivision line as laid down on the aforementioned minor subdivision plat; thence –
- 13. S 68° 19' 24" E 214.57 feet; along said proposed subdivision line, to a point of curvature; thence–

14. Along the same, on an arc to the right having a radius of **470.00 feet**, an arc length of **157.65 feet**, (central angle **19 ° 13' 05"**) said arc being connected by a chord bearing **S 58° 42' 51" E** a chord distance of **156.91 feet**; to the intersection of the same with the aforementioned outside line of Lot 1, Block 26101; thence –
15. **S 49° 06' 18" E 527.02 feet**; along said outside line, to the Point and Place of **BEGINNING**.

CONTAINING: 637,677 square feet / 14.639 acres of land more or less.

Exhibit B

Exhibit B-1A: Restricted Areas and Engineering Control Location Map

Exhibit B-1B: Engineering Control As-Built Diagrams

Exhibit B-2A: Restricted Area Map and Data Table - Total and Hexavalent Chromium (1-4')

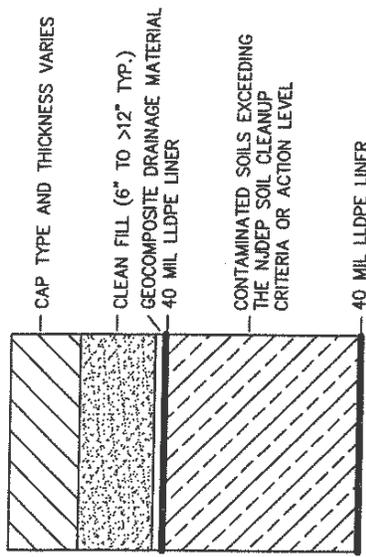
Exhibit B-2B: Restricted Area Map and Data Table - Total and Hexavalent Chromium (4-8')

Exhibit B-2C: Restricted Area Map and Data Table - Total and Hexavalent Chromium (8-12')

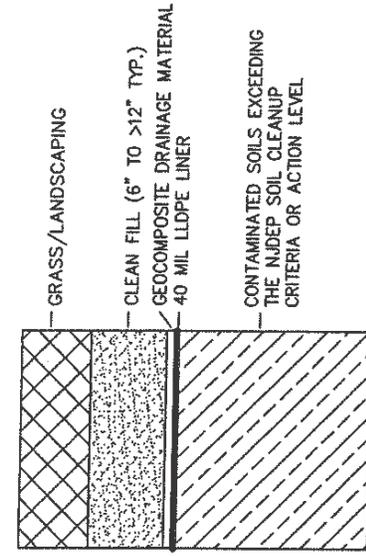
Exhibit B-2D: Restricted Area Map and Data Table - Total and Hexavalent Chromium (>12')

Exhibit B-2E: Restricted Area Map and Data Table - PP Metals & Vanadium Concentrations

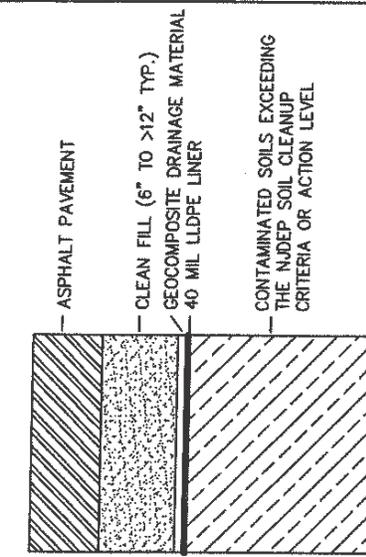
Exhibit B-2F: Restricted Area Map and Data Table - SVOC Concentrations



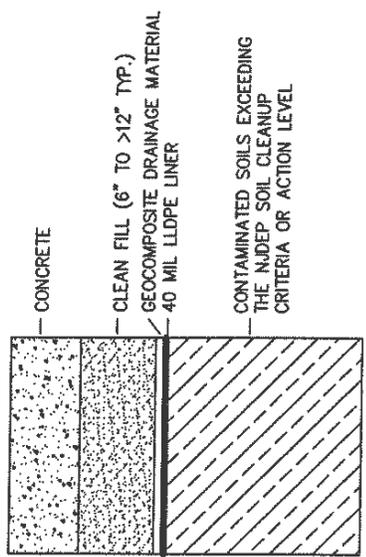
DOUBLE LINER ABOVE AND BELOW CONTAMINATED SOIL CAP



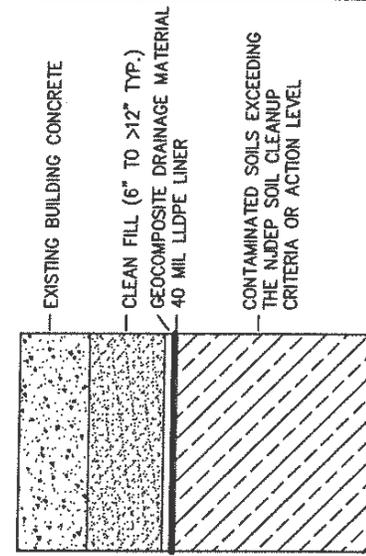
VEGETATIVE/GIOMEMBRANE LINER CAP



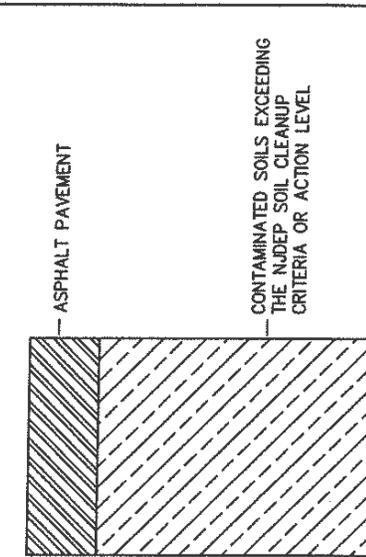
ASPHALT PAVEMENT/GIOMEMBRANE LINER CAP



CONCRETE/GIOMEMBRANE LINER CAP



EXISTING BUILDING CONCRETE SLAB/GIOMEMBRANE LINER CAP



ASPHALT PAVEMENT CAP

REFERENCE ENGINEERING CONTROLS ARE DESCRIBED IN THE REMEDIAL ACTION REPORT DATED FEBRUARY 1998 PREPARED BY ENVIRO-SCIENCES, INC.

REV.	DATE	STATUS	BY	CHKD BY

AMEC PROJ. No: 3480050361
DRAWING: 3480050138-6100-B1EC-0000

PREPARED/DATE: STR 03/19/13
CHECKED/DATE: US 03/19/13

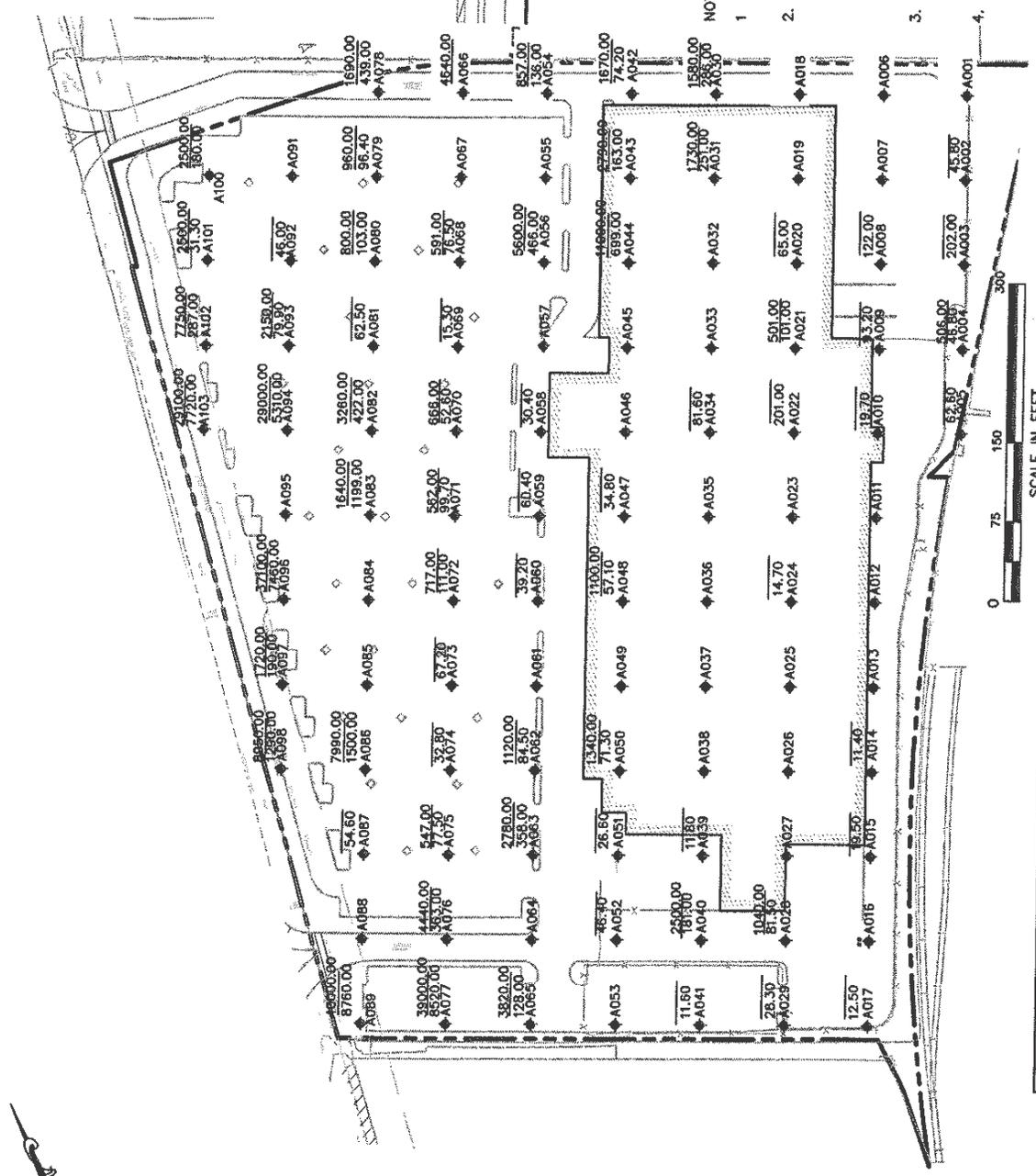
amec
ENVIRONMENT & INFRASTRUCTURE
200 AMERICAN METRO BLVD, SUITE 113
HAMILTON, NEW JERSEY 08619

EXHIBIT B-1B
ENGINEERING CONTROL AS-BUILT DIAGRAM
BLOCK 26101, LOT 1.01
SA 5 - SITE 117 FORMER RYERSON STEEL
JERSEY CITY, NEW JERSEY

LEGEND

- ◆ BORING LOCATION
- CATCH BASIN
- ⊖ ELECTRIC MANHOLE
- ⊕ GAS VALVE
- ⊙ SANITARY MANHOLE
- ⊙ SIGN
- ⊙ SPOT ELEVATION
- ⊙ STORM MANHOLE
- ⊙ SURVEY PIN
- ⊙ x15.9
- ⊙ SET PIN AND CAP
- TREE/BRUSH LINE
- UTILITY POLE
- WELL
- ▭ EXISTING BUILDING
- ▭ BM/A FORCEMAIN
- ▭ CONCRETE CURB
- ▭ FENCE LINE
- ▭ LOT LINE
- ▭ BELOW GROUND SURFACE

TOTAL Cr. (IN mg/kg)
 HEX. Cr. (IN mg/kg)



NOTE:

1. ALL BORINGS SAMPLED, ONLY EXCEEDENCES SHOWN.
2. NUDEP SOIL CLEANUP CRITERIA OR ACTION LEVEL (mg/kg) BASED ON REMEDIAL ACTION REPORT, FEB 1998 FOR:
3. TOTAL CHROMIUM: 500.0
 HEXAVALENT CHROMIUM: 10.0
4. SAMPLE COLLECTION DEPTHS BASED ON GROUND SURFACE AT TIME OF SAMPLING.

CAS NUMBER FOR:
 TOTAL CHROMIUM: 7440-47-3
 HEXAVALENT CHROMIUM: 18540-29-9

ameco
 ENVIRONMENT & INFRASTRUCTURE
 200 AMERICAN METRO BLVD, SUITE 113
 HAMILTON, NEW JERSEY 08619

AMEC PROJ No.: 3480050361
 DRAWING: 348005036-6100-RAMD-0000

REV.	DATE	STATUS	UNIT	CR	BF

PREPARED/DATE:
 STR 02/19/13

CHECKED/DATE:
 US 02/19/13

EXHIBIT B-2A
 RESTRICTED AREA AND DATA MAP
 TOTAL AND HEXAVALENT CHROMIUM (1'-4' bgs)
 BLOCK 26101, LOT 1.01
 SA 5 - SITE 117 FORMER RYERSON STEEL
 JERSEY CITY, NEW JERSEY

LEGEND

- ◆ BORING LOCATION
- CATCH BASIN
- ⊖ ELECTRIC MANHOLE
- ⊕ GAS VALVE
- ⊖ SANITARY MANHOLE
- SIGN
- SPOT ELEVATION
- ⊖ STORM MANHOLE
- SURVEY PIN
- SET PIN AND CAP
- TREE/BRUSH LINE
- UTILITY POLE
- WELL
- ▭ EXISTING BUILDING
- ▭ BMVA FOREMAIN
- ▭ CONCRETE CURB
- ▭ FENCE LINE
- ▭ LOT LINE
- ▭ BELOW GROUND SURFACE

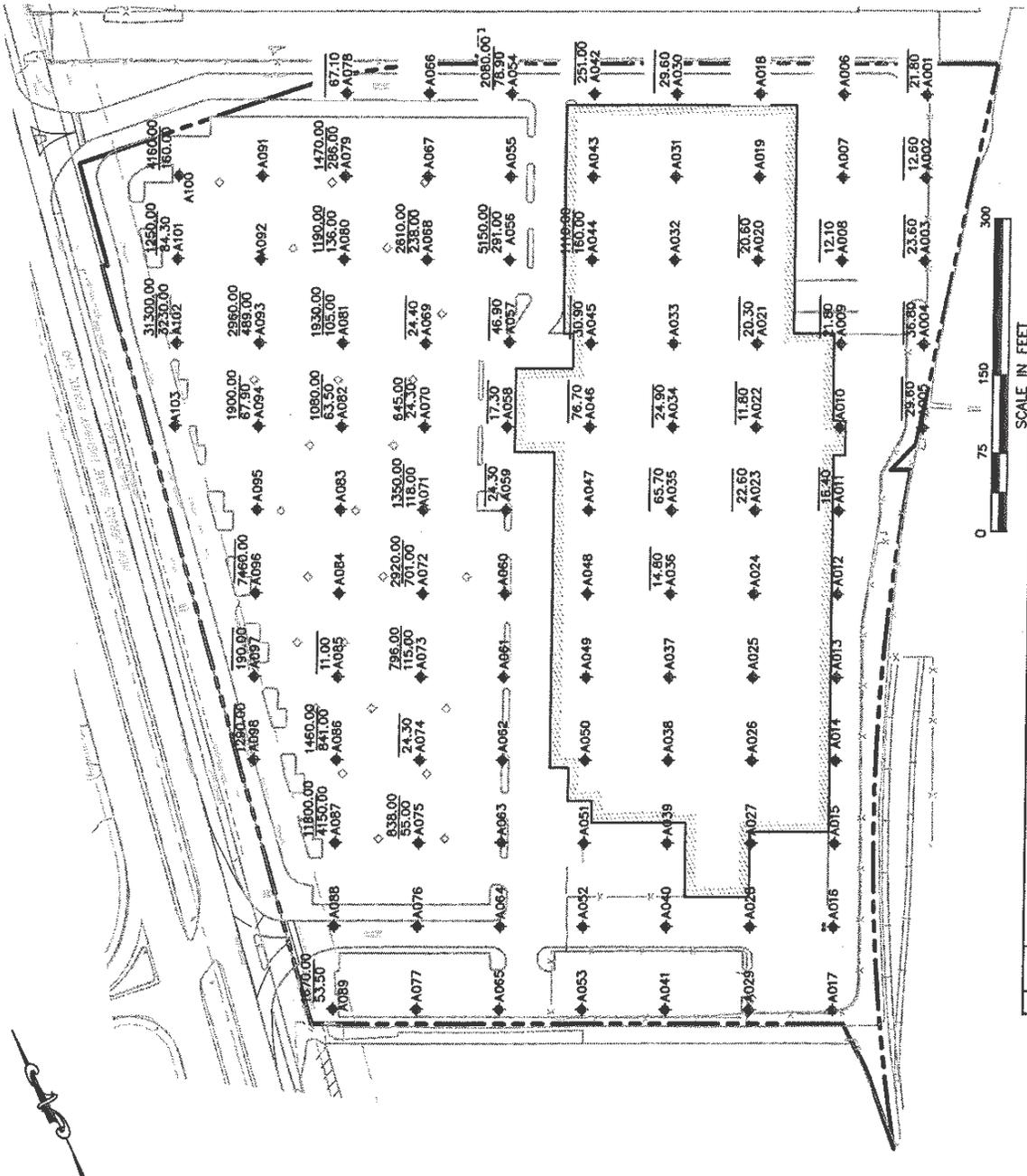
bgs
 XXX TOTAL Cr. (IN mg/kg)
 XXX HEX. Cr. (IN mg/kg)

NOTE:

1. ALL BORINGS SAMPLED, ONLY EXCEEDENCES SHOWN.
2. NIDEF SOIL CLEANUP CRITERIA OR ACTION LEVEL (mg/kg) BASED ON REMEDIAL ACTION REPORT, FEB 1998 FOR:

 - TOTAL CHROMIUM: 500.0
 - HEXAVALENT CHROMIUM: 10.0

3. SAMPLE COLLECTION DEPTHS BASED ON GROUND SURFACE AT TIME OF SAMPLING.
4. CAS NUMBER FOR:
 TOTAL CHROMIUM: 7440-47-3
 HEXAVALENT CHROMIUM: 18540-29-9



ENVIRONMENT & INFRASTRUCTURE
 200 AMERICAN METRO BLVD. SUITE 113
 HAMILTON, NEW JERSEY 08619

AMEC PROJ No.: 3480050361
 DRAWING: 348005036-6100-RM0-0000

PREPARED/DATE:
 STR 02/19/13

CHECKED/DATE:
 US 02/19/13

EXHIBIT B-2C

RESTRICTED AREA AND DATA MAP
 TOTAL AND HEXAVALENT CHROMIUM (8'-12' bgs)
 BLOCK 28101, LOT 1.01
 SA 5 - SITE 117 FORMER RYERSON STEEL
 JERSEY CITY, NEW JERSEY

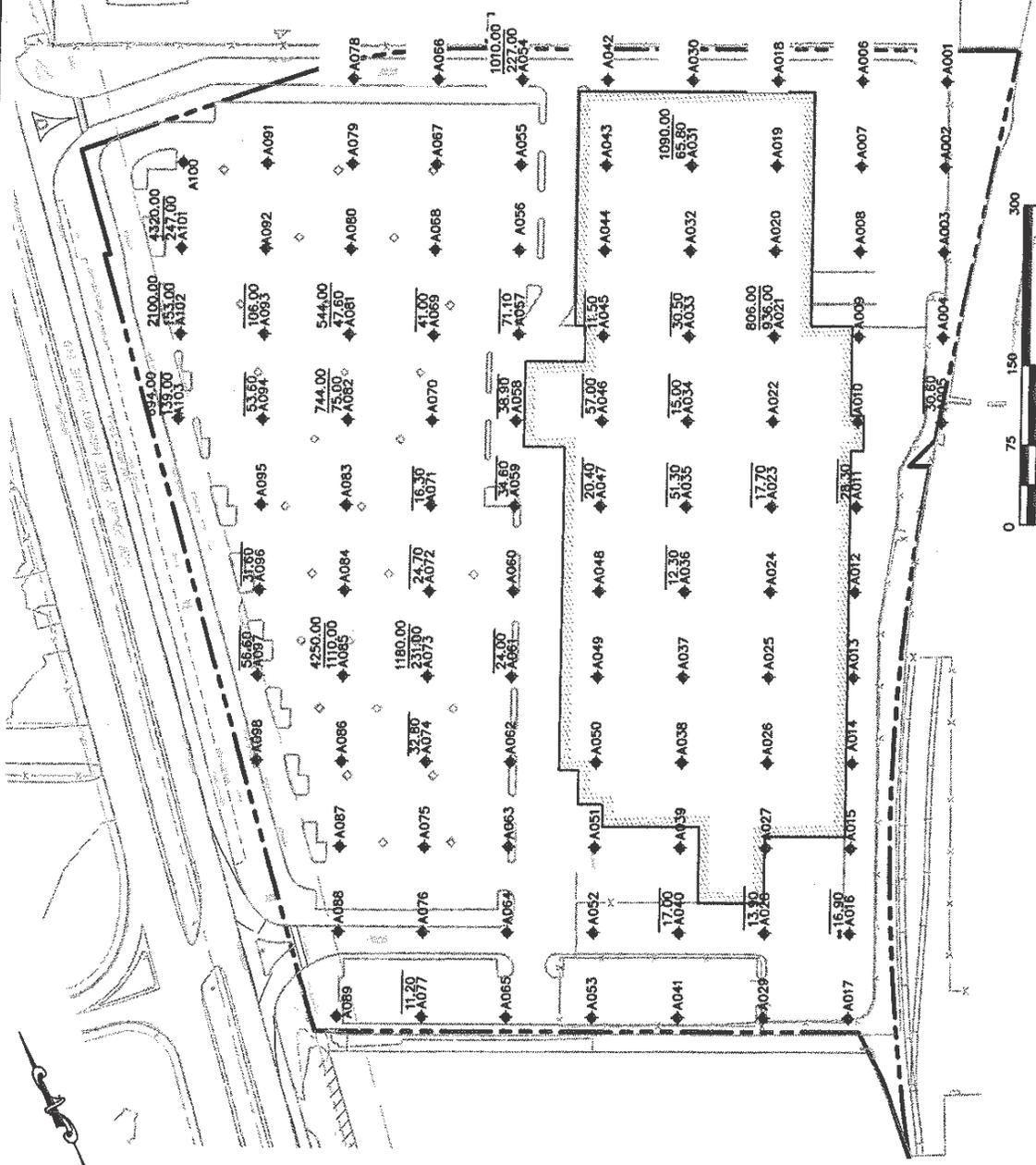
LEGEND

- ◆ BORING LOCATION
- CATCH BASIN
- ⊖ ELECTRIC MANHOLE
- ⊕ GAS VALVE
- ⊙ SANITARY MANHOLE
- SIGN
- ⊕ x16.9 SPOT ELEVATION
- ⊖ STORM MANHOLE
- ⊙ SURVEY PIN
- ⊙ SET PIN AND CAP
- ⊖ TREE/BRUSH LINE
- ⊖ UTILITY POLE
- ⊖ WELL
- ⊖ EXISTING BUILDING
- ⊖ BMVA FORCEMAIN
- ⊖ CONCRETE CURB
- ⊖ FENCE LINE
- ⊖ LOT LINE
- ⊖ BELOW GROUND SURFACE

TOTAL Cr. (IN mg/kg)
HEX. Cr. (IN mg/kg)

NOTE:

1. ALL BORINGS SAMPLED, ONLY EXCEEDENCES SHOWN.
2. NDEP SOIL CLEANUP CRITERIA OR ACTION LEVEL (mg/kg) BASED ON REMEDIAL ACTION REPORT, FEB 1998 FOR:
3. TOTAL CHROMIUM: 500.0
HEXAVALENT CHROMIUM: 10.0
4. CAS NUMBER FOR:
TOTAL CHROMIUM: 7440-47-3
HEXAVALENT CHROMIUM: 18540-29-9



ENVIRONMENT & INFRASTRUCTURE
200 AMERICAN METRO BLVD, SUITE 113
HAMILTON, NEW JERSEY 08619

AMEC PROJ No.: 3480050361
DRAWING: 3480050136-6100-RM0-0000

PREPARED/DATE:
STR 02/19/13

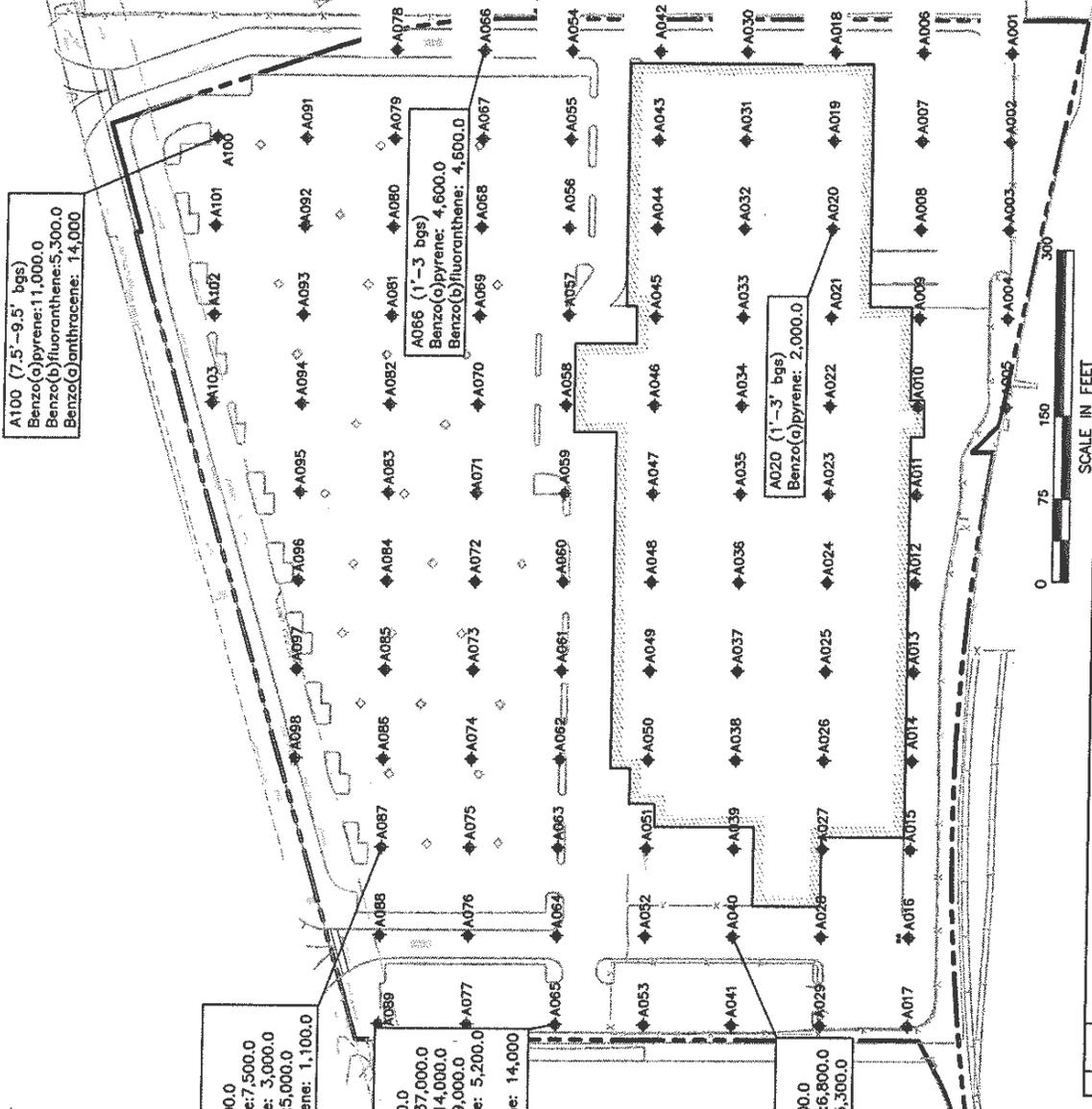
CHECKED/DATE:
US 02/19/13

EXHIBIT B-2D
RESTRICTED AREA AND DATA MAP
TOTAL AND HEXAVALENT CHROMIUM (>12 bgs)
BLOCK 26001, LOT 1.01
SA 5 - SITE 117 FORMER PETERSON STEEL
JERSEY CITY, NEW JERSEY

REV.	DATE	STATUS	BY	BT

LEGEND

- ◆ BORING LOCATION
- CATCH BASIN
- ⊖ ELECTRIC MANHOLE
- ⊗ GAS VALVE
- ⊙ SANITARY MANHOLE
- ⊕ SIGN
- ⊖ SPOT ELEVATION
- ⊖ STORM MANHOLE
- ⊖ SURVEY PIN
- TREE / BRUSH LINE
- UTILITY POLE
- WELL
- ▭ EXISTING BUILDING
- ▭ BMJA FORCEMAIN
- ▭ CONCRETE CURB
- ▭ FENCE LINE
- ▭ LOT LINE
- ▭ BELOW GROUND SURFACE



NOTE:

- ALL THE RESULTS ARE IN mg/kg.
- NJDEP SOIL CLEANUP CRITERIA (ug/kg) BASED ON REMEDIAL ACTION REPORT, FEB 1998 FOR:
 - Benzo(a)pyrene: 660.0
 - Benzo(b)fluoranthene: 4,000.0
 - Benzo(k)fluoranthene: 4,000.0
 - Benzo(a)anthracene: 4,000.0
 - Dibenzo(a,h)anthracene: 660.0
 - Chrysene: 40,000.0
 - Indeno(1,2,3-cd)pyrene: 4,000.0
- SAMPLE COLLECTION DEPTHS BASED ON GROUND SURFACE AT TIME OF SAMPLING.
- CAS NUMBER FOR:
 - Benzo(a)pyrene: 50-32-8
 - Benzo(b)fluoranthene: 205-99-2
 - Benzo(k)fluoranthene: 207-08-9
 - Benzo(a)anthracene: 56-55-3
 - Dibenzo(a,h)anthracene: 53-70-3
 - Chrysene: 218-01-9
 - Indeno(1,2,3-cd)pyrene: 193-39-5

EXHIBIT B-2F
 RESTRICTED AREA AND DATA MAP
 SEMI-VOLATILE ORGANIC COMPOUNDS
 BLOCK 28101, LOT 1.01
 SA 5 - SITE 117 FORMER RYERSON STEEL
 JERSEY CITY, NEW JERSEY

ameco
 ENVIRONMENT & INFRASTRUCTURE
 200 AMERICAN METRO BLVD, SUITE 113
 HAMILTON, NEW JERSEY 08619

AMEC PROJ No.: 3480050361
 DRAWING: 3480050136-6100-RM0-0000
 PREPARED/DATE: STR 02/19/13
 CHECKED/DATE: US 02/19/13

REV	DATE	STATUS	BY	CHKD

SCALE IN FEET
 0 75 150 300

Exhibit C

C-1: Deed Notice as Institutional Controls

C-2: Engineering Controls

Former Ryerson Steel / Mutual Chemical Site – NJDEP Chromium Site 117
Block 26101, Lot 1.01
Jersey City, New Jersey 07305

Exhibit C-1 includes a description of the deed notice as institutional control including monitoring and reporting requirements.

Exhibit C-2 includes a description of engineering controls consisting of an LLDPE liner system with either vegetation, asphalt pavement, concrete, or building concrete slab as a final surface cap and an asphalt pavement cap; operations and maintenance, monitoring and reporting requirements.

Exhibit C-1
Deed Notice as Institutional Controls

Former Ryerson Steel / Mutual Chemical Site – NJDEP Chromium Site 117
Block 26101, Lot 1.01
Jersey City, New Jersey 07305

(A) General Description:

- (1) The Property shown on Exhibit B-1A known as Block 26101, Lot 1.01 is a Restricted Area. The estimated size of the Restricted Area is approximately 15 acres.
- (2) Proper precautions must be taken to prevent disturbance (i.e., excavation or digging) of the engineering controls when in the Restricted Area. See subsections 7A and 7B of the Deed Notice for requirements for Alterations, Improvements, Disturbances, and Emergencies.
- (3) The restrictions will prevent contact with soils above the NJDEP Soil Cleanup Criteria or Action Levels.

(B) Description of monitoring:

- (1) Quarterly visual inspections of the Restricted Area will be conducted to document that the engineering controls are in good condition and to determine whether any disturbances of the soil in the Restricted Area may have resulted in unacceptable exposure to the soil contamination.
- (2) Quarterly visual inspections of the Restricted Area will be conducted to determine whether there have been any land use changes subsequent to the filing of this Deed Notice or the most recent biennial certification, whichever is more recent.
- (3) Quarterly visual inspections of the Restricted Area will be conducted to determine whether the current land use on the Property is consistent with the restrictions in this Deed Notice.
- (4) A review will be conducted to determine if any newly promulgated or modified requirements of applicable regulations or laws apply to the Property.
- (5) A review will be conducted to determine if any new standards, regulations, or laws apply to the site that might necessitate additional sampling in order to evaluate the protectiveness of the remedial action which includes this Deed Notice. If necessary, this additional sampling will be performed.

(C) Biennial certification items:

A monitoring report will be included in the biennial certification. Components of the monitoring report will include the following:

- (1) A report of all conditions set forth in Deed Notice to document that they have been adhered to, including evaluation of any available documents created as a result of changes in land use or incidents.
- (2) A report that determines whether or not the land use at the Property has remained consistent with the restrictions in the Deed Notice.
- (3) A report that determines whether or not the Deed Notice continues to be protective of the public health and safety and of the environment.

Exhibits C-2 through C-6

Engineering Controls

- C-2: Asphalt Pavement/Geomembrane Liner Cap
- C-3: Concrete/Geomembrane Liner Cap
- C-4: Building Concrete Slab/Geomembrane Liner Cap
- C-5: Vegetative/Geomembrane Liner Cap
- C-6: Asphalt Pavement Cap

Former Ryerson Steel Site – NJDEP Chromium Site 117
Block 26101, Lot 1.01
Jersey City, New Jersey 07305

(A) General Description:

- (1) Engineering controls (from the ground surface to contaminated soil) in areas of the geomembrane liner system consist of:
 - a) Asphalt pavement, concrete, building concrete slab, or vegetative surface cap followed by;
 - b) A minimum of 6 inches to greater than 12 inches (typically) of clean fill material followed by;
 - c) A geomembrane drainage material followed by;
 - d) A 40-mil linear low density polyethylene (LLDPE) impervious geomembrane followed by;
 - e) A woven felt material
- (2) Engineering controls in a small area on the southeastern corner of the site consists of asphalt pavement only as the engineering control
- (3) The objective of the Engineering Controls is to prevent direct contact with soils that are above the applicable NJDEP Soil Cleanup Criteria or Action Levels.
- (4) The Engineering Controls are intended to function as a barrier to underlying soils that are above the applicable NJDEP Soil Cleanup Criteria or Action Levels.

(B) Description of the operation and maintenance:

Visual inspections of the Property will be performed quarterly to document that:

- (1) Each engineering control is in good condition and to document the integrity, operability, and effectiveness of each engineering control;
- (2) Each engineering control continues to function as designed and intended in order to protect the public health and safety and the environment;

(3) Each alteration, excavation or disturbance of any engineering control is timely and appropriately addressed to maintain the integrity of the engineering control (also, see subsections 7A and 7B of this Deed Notice for directions on Alterations, Improvements, Disturbances, and Emergencies);

(4) The integrity of each institutional control is maintained so that the remedial action continues to be protective of the public health and safety and of the environment;

(5) Records of the inspections are maintained as listed in Deed Notice subparagraph 5A. Should the visual inspection indicate that other activities are necessary, those activities will be listed and executed; and

(6) A review of any new standards, regulations, or laws will be conducted to evaluate the protectiveness of the remedial action, which includes this Deed Notice. Should the review indicate that other activities are necessary, those activities will be listed and executed.

(C) Biennial Certification items:

The monitoring report will be included in the Biennial Certification. Components of the monitoring report will include the following:

(1) A report of all conditions set forth in Deed Notice subparagraph 2.ii to document that they have been adhered to, including an evaluation to determine whether the Engineering Controls are continuing to meet their original objectives and intended functions.

(2) A report to determine whether the Engineering Controls continue to operate as designed.

(3) A report to determine whether the Engineering Controls continue to be protective of the public health and safety and of the environment.

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02/09/2015 10:14:20 AM
DEED
NUMBER OF PAGES : 29
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