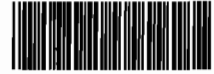


Project Name: GE-Haystack  
Project No.: 2,2  
DocID: 263140



SDMS DocID **263140**

December 26, 2006  
Project No. J1447-01-02

Prepared for:  
Pittsfield Economic Development Authority  
81 Kellogg Street  
Pittsfield, MA 01201

**Semi-Annual Inspection  
Building Demolition Barrier Areas**

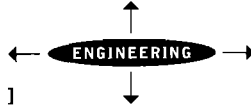
**20s and 30s Complexes  
William Stanley Business Park  
Pittsfield, Massachusetts**

Prepared by:  
O'Reilly, Talbot & Okun Associates, Inc.  
293 Bridge Street  
Springfield, Massachusetts

# Environmental Safety Health Geotechnical

O'Reilly, Talbot & Okun

[ A S S O C I A T E S ]



293 Bridge Street

Suite 500

Springfield, MA 01103

Tel 413 788 6222

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www.oto-env.com

December 26, 2006

Thomas Hickey, Jr.  
Pittsfield Economic Development Authority  
81 Kellogg Street  
Pittsfield, MA 01201

RE: Building Demolition Barrier Areas Inspections

Dear Mr. Hickey:

On behalf of the Pittsfield Economic Development Authority (PEDA), O'Reilly, Talbot & Okun Associates, Inc. (OTO) conducted a semi-annual inspection of the Building Demolition Barrier Areas in the 20s and 30s Complexes at the William Stanley Business Park on December 12, 2006. A summary report for the inspections is enclosed. A copy of the report has been submitted to the Massachusetts Department of Environmental Protection and the US Environmental Protection Agency.

Should you have questions or require additional information, please contact me.

Sincerely,  
O'Reilly, Talbot & Okun Associates, Inc.

James Gagnon, PE, LSP, CIH  
Associate

Ellie Kurth   
Staff Geologist

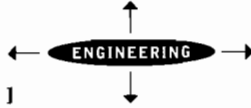
Cc.

Teresa Bowers  
Gradient Corporation  
20 University Road  
Cambridge, MA 02138

MA Department of Environmental Protection  
Bureau of Waste Site Cleanup, Special Projects  
436 Dwight Street  
Springfield, MA 01103  
Attn: GE Housatonic Removal Action Project Manager

U.S. Environmental Protection Agency  
Office of Site Remediation and Restoration  
One Congress Street  
Suite 1100—Mail Code HIO  
Boston, MA 02114-2023  
Attn: GE-Pittsfield Housatonic River Site

Steve Wilson  
Clough Harbour & Associates, LLP  
P.O. Box 5269  
Albany, NY 12205



Pittsfield Economic Development Authority  
Semi-Annual Inspection  
December 2006

Building Demolition Barrier Areas  
20s and 30s Complexes  
William Stanley Business Park  
Pittsfield, Massachusetts

## **Introduction**

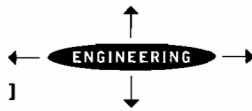
The Pittsfield Economic Development Authority (PEDA) is required to perform inspection activities at the Building Demolition Barrier Areas located in the William Stanley Business Park in Pittsfield, Massachusetts to assess the overall condition of the engineered barrier surfaces. One Building Demolition Barrier Area is located in the 30s Complex and two are located in the 20s Complex.

The December 2006 inspection was completed on behalf of PEDA on December 12, 2006 by Ellie Kurth, Staff Hydrogeologist, of O'Reilly, Talbot & Okun Associates, Inc.

## **Inspection Methodology**

Advanced notice of the inspections was provided to the Massachusetts Department of Environmental Protection and the U.S. Environmental Protection Agency by letter dated December 1, 2006.

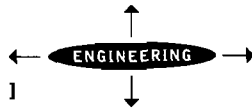
The assessments were performed by walking the entire surface areas of each barrier. Each barrier surface was visually inspected for excessive cracking, fissures, spalling, or potholes caused by heaving, uneven settlement, and/or vehicular use. In addition, the surfaces were inspected for evidence of depressions, and/or water ponding, excessive rutting, or exposed subbase material. Other conditions noted include evidence of recent change in use of the barrier surface area; physical changes and conditions in areas immediately adjacent to the barrier surface area; and conditions which could compromise the integrity of the barrier surface area, such as soil erosion or excessive vegetative growth.



## Inspection Results

### 20s Complex Barrier Area 1

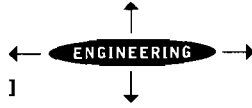
- Barrier Area Description:  
2.965 acre asphalt-paved parking lot
- Date of Inspection:  
December 12, 2006
- Weather Conditions:  
Sunny, Temperatures in the 40s
- Type and Frequency of Inspection:  
Third semi-annual visual inspection of Building Demolition Barrier Areas conducted by PEDDA after transfer of the property.
- Description of any significant modifications to the inspection program made since the submittal of the previous report:  
No significant modifications were made to the inspection program since the submittal of the previous report.
- Description of any conditions or problems noted during the inspection which are or may be affecting the performance of the engineered barrier:  
No conditions were observed which are or may be affecting the performance of the engineered barrier. Minor cracking, vegetative growth, and two small potholes were observed (see photos). The potholes were filled with soil and each measured approximately 6" long by 6" wide by 2" deep.
- Descriptions of any measures taken to correct conditions which are affecting the performance of the barrier:  
No conditions which require correction were observed.
- Description of any measures that may need to be performed to correct any conditions affecting the performance of the barriers:  
Continued monitoring of minor cracking, vegetation growth, and potholes. Repair of cracking and/or potholes and control of vegetation may be necessary if conditions deteriorate.
- General:  
The overall condition of the barrier area can be described as very good. No conditions were observed on the barrier or on areas adjacent to the barrier that would compromise the integrity of the barrier surface area. Field notes are attached.



## Inspection Results

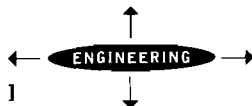
### 20s Complex Barrier Area 2

- **Barrier Area Description:**  
948 square feet concrete surface; vault 29A area
- **Date of Inspection:**  
December 12, 2006
- **Weather Conditions:**  
Sunny, Temperatures in the 40s
- **Type and Frequency of Inspection:**  
Third semi-annual visual inspection of Building Demolition Barrier Areas conducted by PEDDA after transfer of the property.
- **Description of any significant modifications to the inspection program made since the submittal of the previous report:**  
No significant modifications were made to the inspection program since the submittal of the previous report.
- **Description of any conditions or problems noted during the inspection which are or may be affecting the performance of the engineered barrier:**  
No conditions were observed which are or may be affecting the performance of the engineered barrier. A minor crack traversing the approximate center of the barrier and a minor crack near the southeast corner of the barrier were observed (see photos).
- **Descriptions of any measures taken to correct conditions which are affecting the performance of the barrier:**  
No conditions which require correction were observed.
- **Description of any measures that may need to be performed to correct any conditions affecting the performance of the barriers:**  
Continued monitoring of the minor cracks. Repair of cracks may be necessary if conditions deteriorate.
- **General:**  
The overall condition of the barrier area can be described as very good. No conditions were observed on the barrier or on areas adjacent to the barrier that would compromise the integrity of the barrier surface area. Field notes are attached.



### Inspection Results 30s Complex Barrier Area

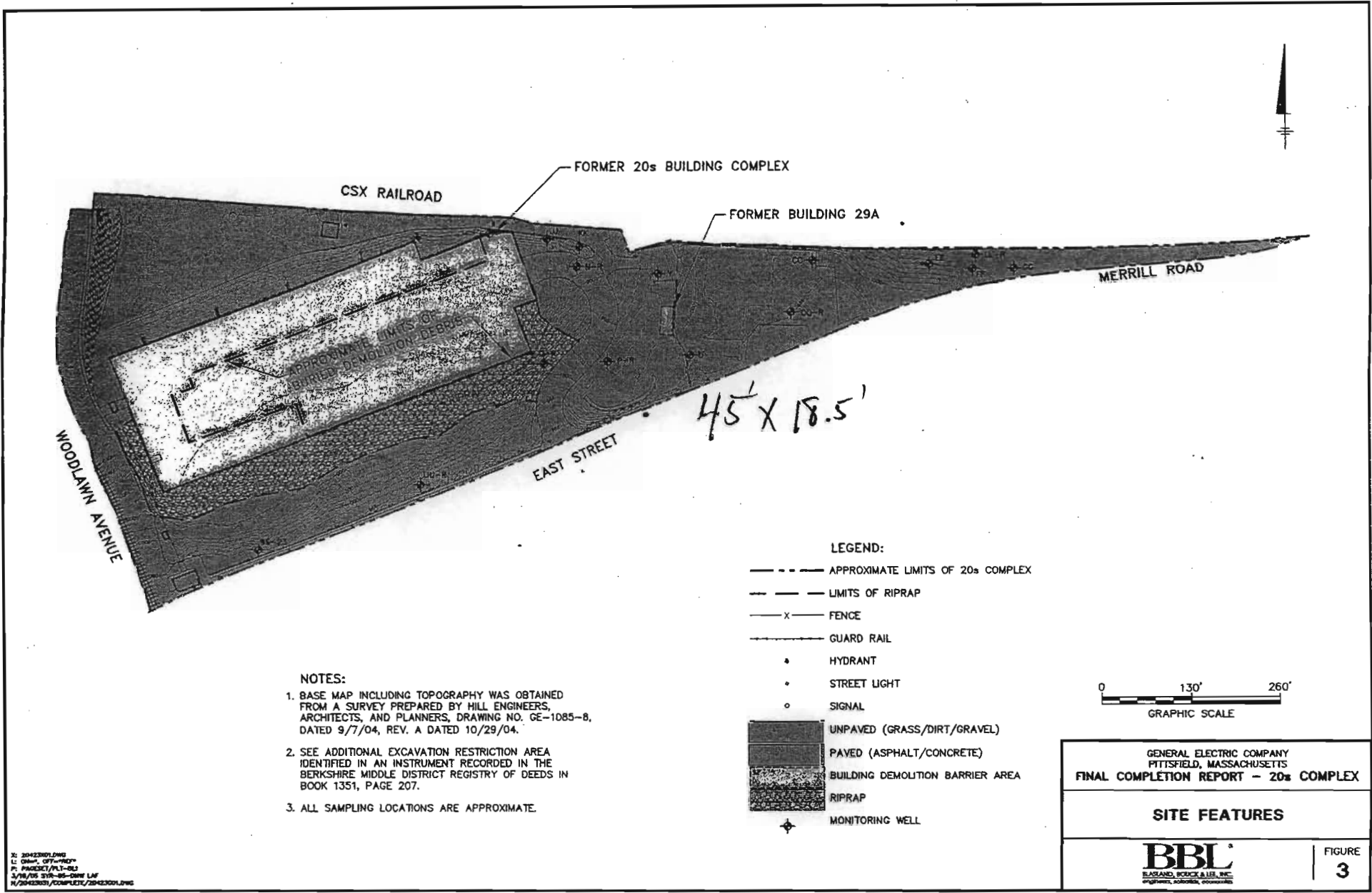
- Barrier Area Description:  
32,833 square feet asphalt paved surface
- Date of Inspection:  
December 12, 2006
- Weather Conditions:  
Sunny, Temperatures in the 40s
- Type and Frequency of Inspection:  
Third semi-annual visual inspection of Building Demolition Barrier Areas conducted by PEDDA after transfer of the property.
- Description of any significant modifications to the inspection program made since the submittal of the previous report:  
No significant modifications were made to the inspection program since the submittal of the previous report.
- Description of any conditions or problems noted during the inspection which are or may be affecting the performance of the engineered barrier:  
Two small potholes were observed along the southern border of the asphalt pavement. The potholes were filled with soil and measured approximately 6" long by 6" wide by 2.5" deep and 12" long by 6" wide by 2.5" deep.  
  
Evidence of vehicular use was observed along the southern border of the asphalt pavement (see photos). Vehicle tracks indicated a vehicle the size of a car, truck, or off-road vehicle had driven over the southernmost border of the pavement.  
  
No conditions were observed which are or may be affecting the performance of the engineered barrier.
- Descriptions of any measures taken to correct conditions which are affecting the performance of the barrier:  
The small pothole noted on the asphalt surface during the first and second semi-annual inspections (November 2005 and Summer 2006) has been repaired. The pothole was apparently filled with concrete to a level even with the top of the asphalt pavement. According to Thomas Hickey, PEDDA Executive Director, the pothole was repaired on August 4, 2006. No other conditions which require correction were observed on the barrier surface.



- Description of any measures that may need to be performed to correct any conditions affecting the performance of the barriers:  
No corrective measures necessary.
- General:  
The overall condition of the barrier area can be described as very good. No conditions were observed on the barrier or on areas adjacent to the barrier that would compromise the integrity of the barrier surface area. Field notes are attached.

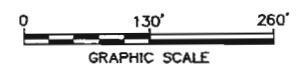
20s COMPLEX





- NOTES:**
1. BASE MAP INCLUDING TOPOGRAPHY WAS OBTAINED FROM A SURVEY PREPARED BY HILL ENGINEERS, ARCHITECTS, AND PLANNERS, DRAWING NO. GE-1085-8, DATED 9/7/04, REV. A DATED 10/29/04.
  2. SEE ADDITIONAL EXCAVATION RESTRICTION AREA IDENTIFIED IN AN INSTRUMENT RECORDED IN THE BERKSHIRE MIDDLE DISTRICT REGISTRY OF DEEDS IN BOOK 1351, PAGE 207.
  3. ALL SAMPLING LOCATIONS ARE APPROXIMATE.

- LEGEND:**
- APPROXIMATE LIMITS OF 20s COMPLEX
  - - - LIMITS OF RIPRAP
  - x - FENCE
  - - - GUARD RAIL
  - HYDRANT
  - STREET LIGHT
  - SIGNAL
  - UNPAVED (GRASS/DIRT/GRAVEL)
  - PAVED (ASPHALT/CONCRETE)
  - BUILDING DEMOLITION BARRIER AREA
  - RIPRAP
  - ⊕ MONITORING WELL



GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS <b>FINAL COMPLETION REPORT - 20s COMPLEX</b>	
<b>SITE FEATURES</b>	
<b>BBL</b> <small>BARLAND, BOCK &amp; LEE, INC. engineers, architects, planners</small>	FIGURE <b>3</b>

X: 20423001.DWG  
L: 08/04, OFF-1000  
P: PROJECT/PLT-013  
A: 10/05 2:10-05-DWG LAF  
N: 20423001/COMPLETE/20423001.DWG

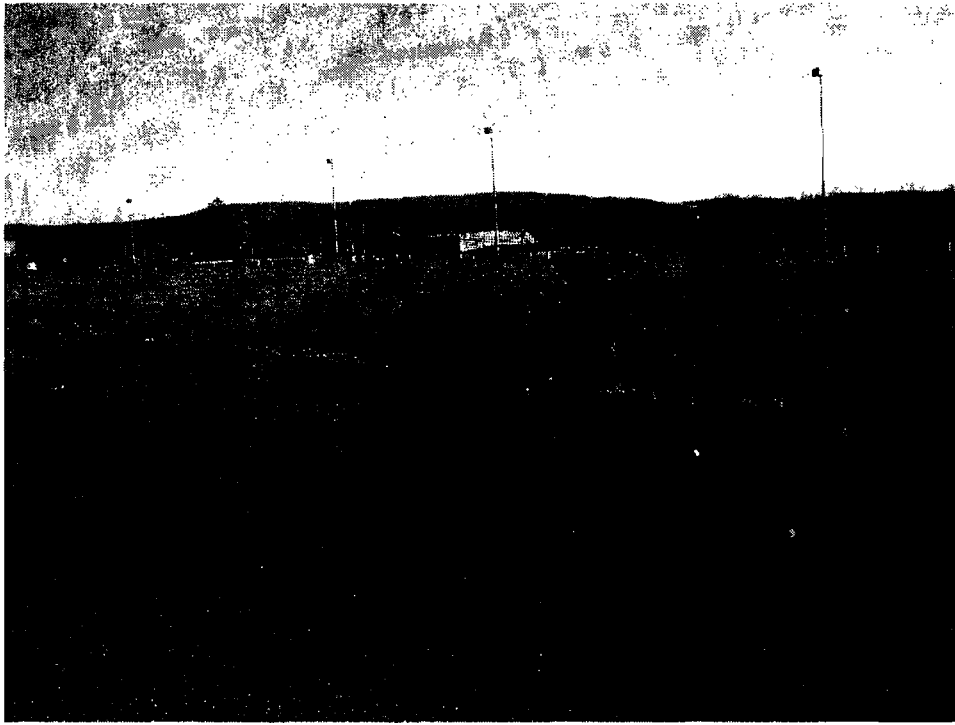
SEMI-ANNUAL INSPECTION  
BUILDING DEMOLITION BARRIER AREAS

WILLIAM STANLEY BUSINESS PARK  
20s COMPLEX  
PITTSFIELD, MASSACHUSETTS

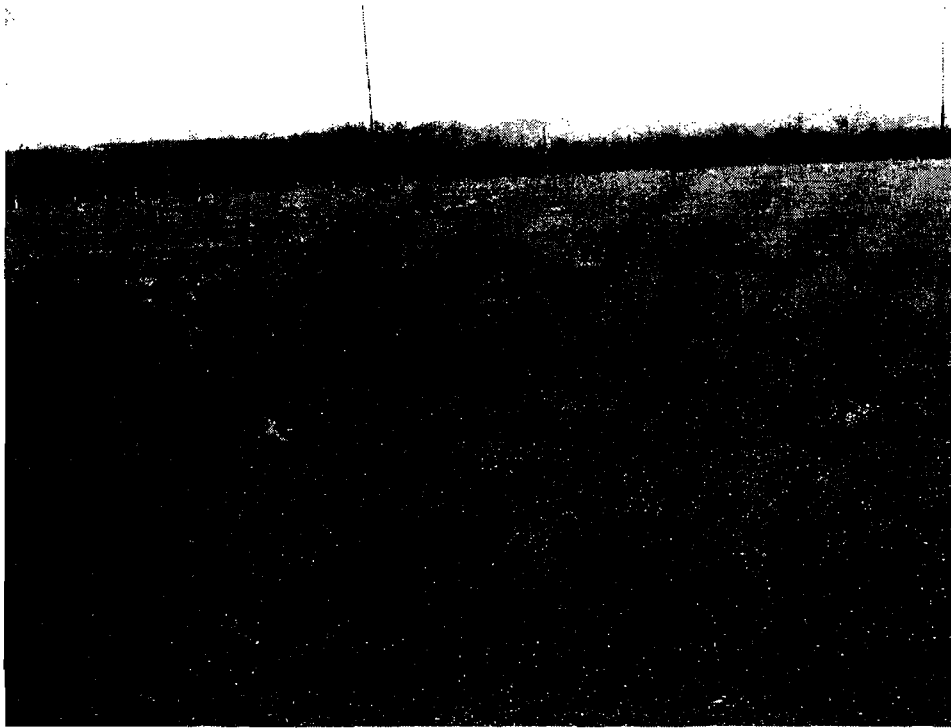
**20s Complex  
Barrier Area 1**

Date	December 12, 2006
Inspector	Ellie Kurth
Weather Conditions	Sunny, clear, low 40s
Evidence Of Change In Use	None observed
Physical Changes And Conditions Adjacent To Barrier Area	None observed
Soil Erosion	None observed
Excessive Vegetative Growth	minor weeds, none excessive
Excessive Cracking	None observed
Fissures	None observed
Spalling	None observed
Potholes	2 small potholes observed midway along northern border. Both were filled w/soil & measured ~
Heaving or Uneven Settling	None observed
Vehicular Use	None observed
Depressions	None observed
Water Ponding	None observed
Excessive Rutting	None observed
Exposed Subbase	None observed

6" x 6"  
x 2" (deep)



20s Complex Building Demolition Barrier Area 1.



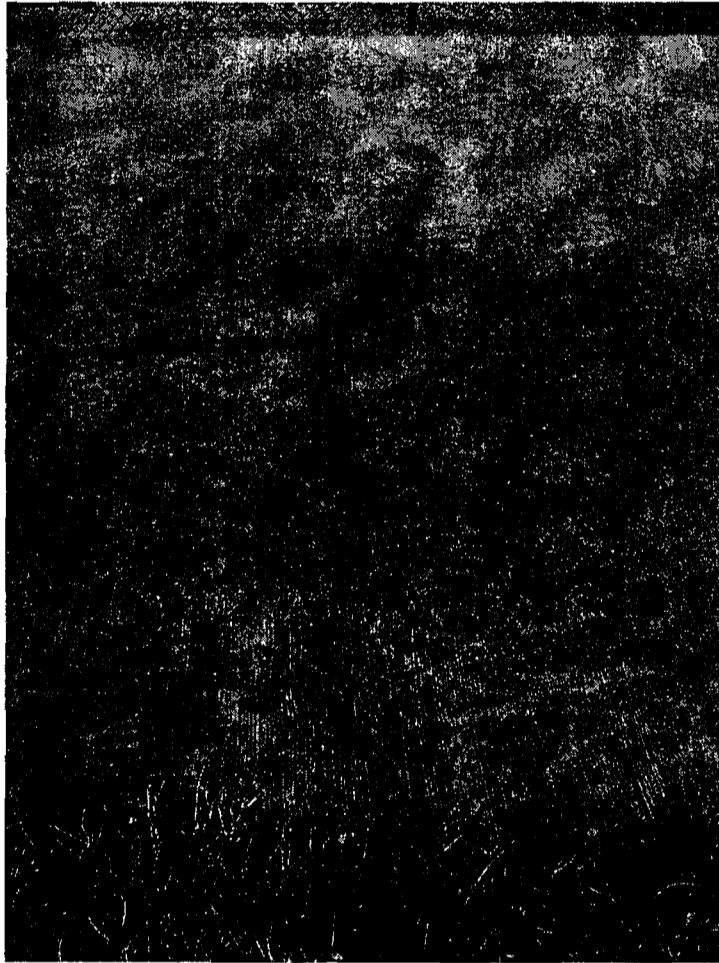
20s Complex Building Demolition Barrier Area 1.  
Minor vegetation growth and two small potholes.

SEMI-ANNUAL INSPECTION  
BUILDING DEMOLITION BARRIER AREAS

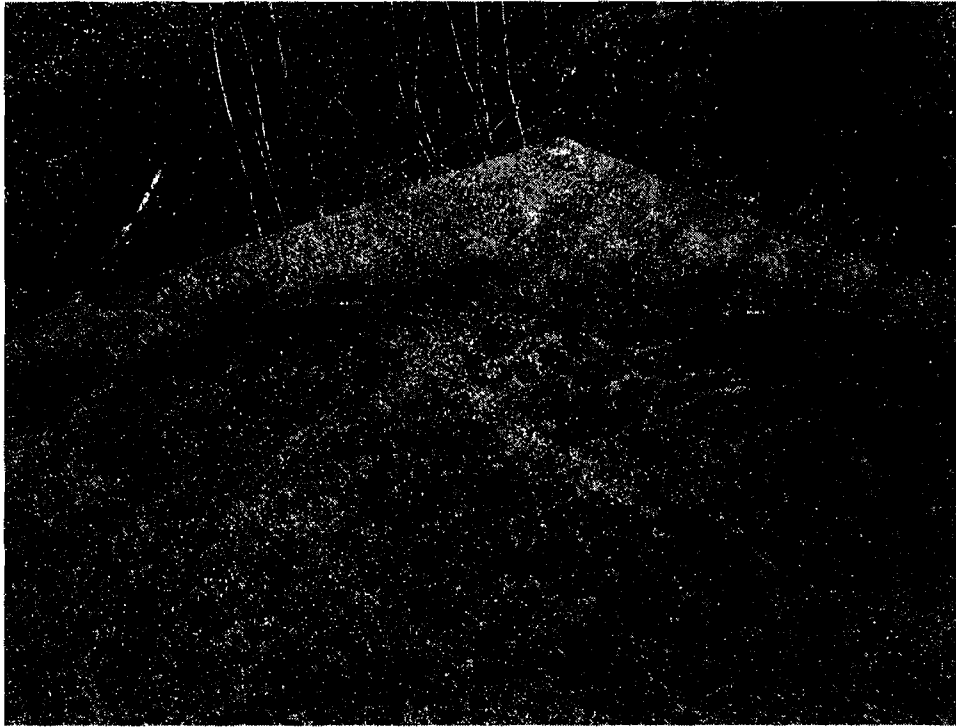
WILLIAM STANLEY BUSINESS PARK  
20s COMPLEX  
PITTSFIELD, MASSACHUSETTS

**20s Complex  
Barrier Area 2**

Date	12/12/06
Inspector	Ellie Kurth
Weather Conditions	Sunny, clear 40s
Evidence Of Change In Use	None observed
Physical Changes And Conditions Adjacent To Barrier Area	None observed
Soil Erosion	None observed
Excessive Vegetative Growth	None observed
Excessive Cracking	$\frac{1}{8}$ " to $\frac{1}{2}$ " crack through middle, $\frac{1}{2}$ " to 1" crack on SE corner, none excessive
Fissures	None observed
Spalling	None observed
Potholes	None observed
Heaving or Uneven Settling	None observed
Vehicular Use	None observed
Depressions	None observed
Water Ponding	None observed
Excessive Rutting	None observed
Exposed Subbase	None observed



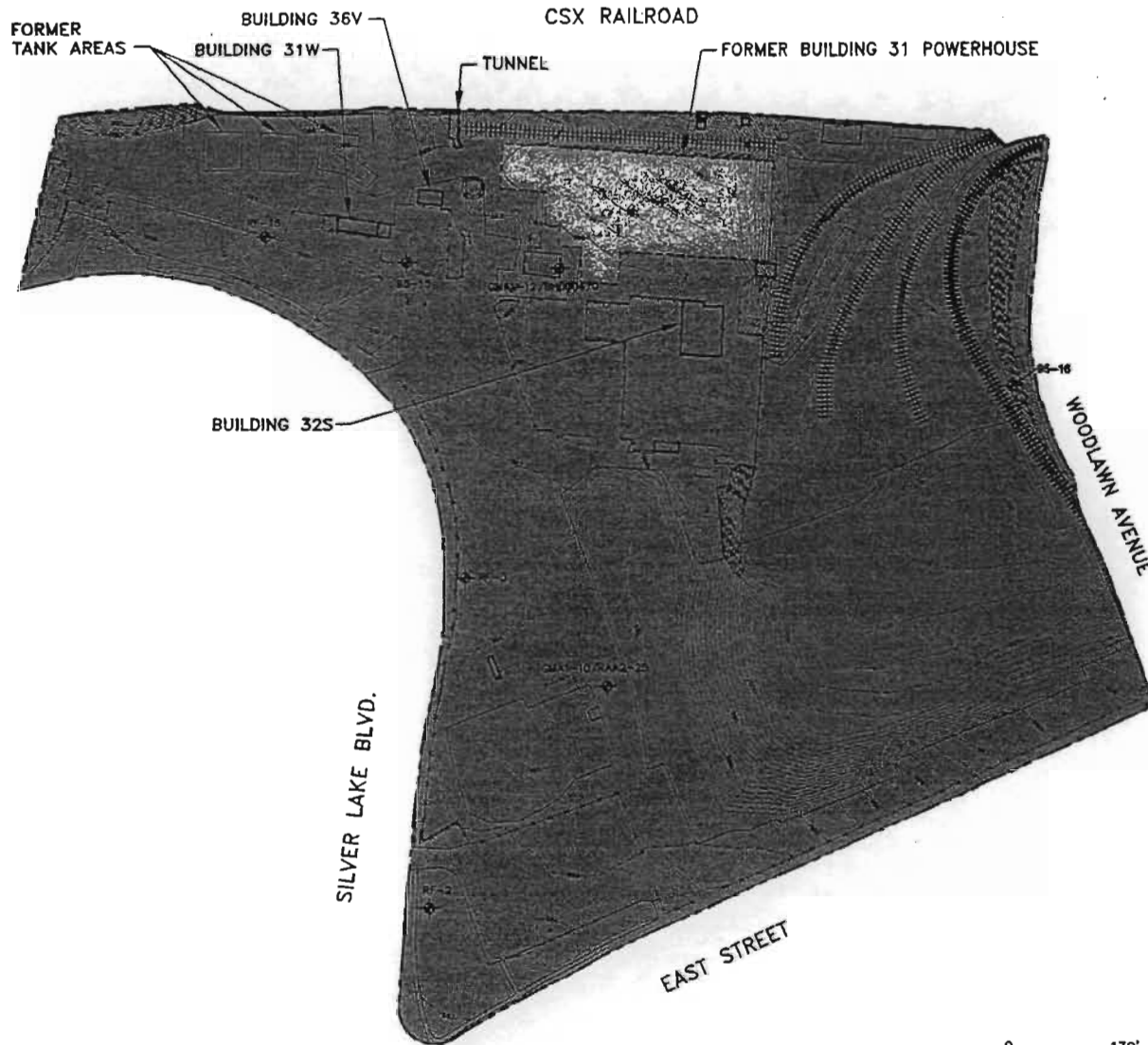
20s Complex Building Demolition Barrier Area 2.  
One-eighth to one-half inch crack traversing approximate center  
of barrier.



20s Complex Building Demolition Barrier Area 2.  
One-half to one inch crack near southeast corner of barrier.

30s COMPLEX





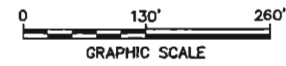
**LEGEND:**

- APPROXIMATE LIMITS OF 30s COMPLEX
- X— FENCE
- |— RETAINING WALL
- 1-FOOT CONTOUR INTERVAL
- 5-FOOT CONTOUR INTERVAL
- ||||| RAILROAD TRACKS
- HYDRANT
- STREET LIGHT
- SIGNAL
- APPROXIMATE 100-YEAR FLOODPLAIN BOUNDARY (DASHED WHERE INFERRED)
- UNPAVED (GRASS/DIRT/GRAVEL)
- PAVED (ASPHALT/CONCRETE) - CHARACTERIZED USING A NON-PAVEMENT GRID-BASED SAMPLING APPROACH
- BUILDING DEMOLITION BARRIER AREA
- ◆ MONITORING WELL AND CORRESPONDING SOIL SAMPLING LOCATION

**NOTES:**

1. BASE MAP INCLUDING TOPOGRAPHY WAS OBTAINED FROM A SURVEY PREPARED BY HILL ENGINEERS, ARCHITECTS, AND PLANNERS, DRAWING NO. GE-1085-7, DATED 9/7/04, REV. A DATED 10/29/04.
2. 100-YEAR FLOODPLAIN BOUNDARY IS BASED ON ELEVATIONS PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY: "FLOOD INSURANCE STUDY" - CITY OF PITTSFIELD, MASSACHUSETTS JANUARY 16, 1987; AND "FLOOD INSURANCE RATE MAP - CITY OF PITTSFIELD, MASSACHUSETTS" (PANELS 250037 0010C AND 25037 0020C), FEBRUARY 19, 1982, AND APPROXIMATED TO THE 1-FOOT CONTOURS SHOWN ON THIS FIGURE.

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS <b>FINAL COMPLETION REPORT - 30s COMPLEX</b>	
<b>SITE FEATURES</b>	
	FIGURE <b>3</b>



2/ 20422001.DWG  
 L: DWG, 07/10/04, LP  
 P: PROJECT/PL-3-81  
 3/15/05 STR-85-DWG LAF LP  
 W/20422001/COMPLETE/20422001.DWG

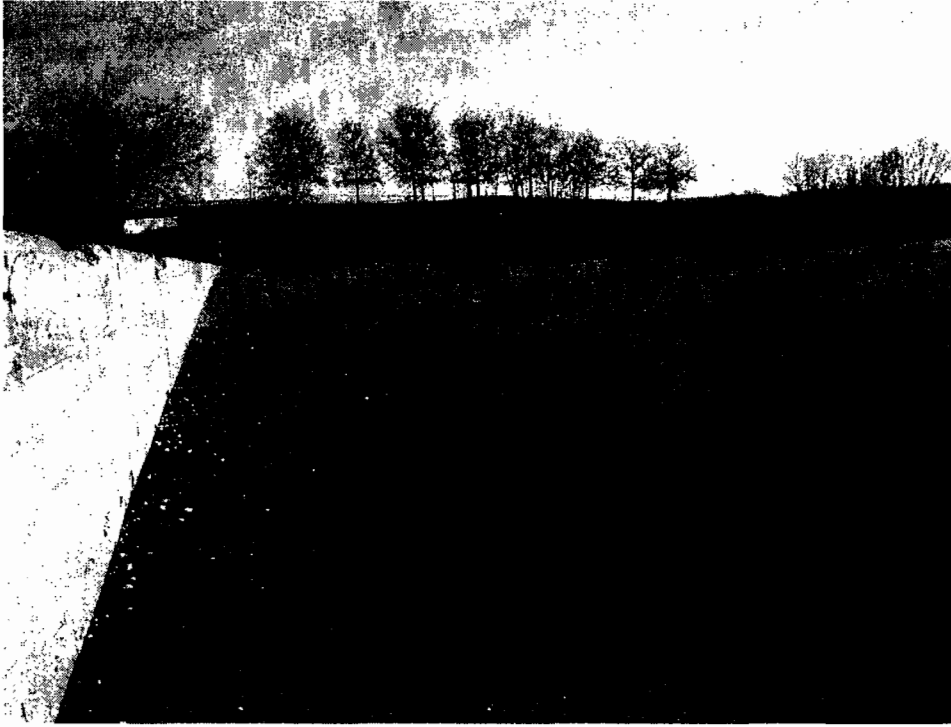
SEMI-ANNUAL INSPECTION  
BUILDING DEMOLITION BARRIER AREAS

WILLIAM STANLEY BUSINESS PARK  
30s COMPLEX  
PITTSFIELD, MASSACHUSETTS

30s Complex  
Barrier Area

Date	December 12, 2006
Inspector	Ellie Kurth
Weather Conditions	Sunny, clear, low 40s
Evidence Of Change In Use	None observed
Physical Changes And Conditions Adjacent To Barrier Area	None observed
Soil Erosion	None observed
Excessive Vegetative Growth	None observed (minor vegetative growth along border)
Excessive Cracking	None observed
Fissures	None observed
Spalling	None observed
Potholes	Previously observed pothole has been repaired with concrete. 2 potholes observed along southern border, filled w/bit
Heaving or Uneven Settling	None observed
Vehicular Use	Dirt tracks observed along southern border
Depressions	None observed
Water Ponding	None observed
Excessive Rutting	None observed
Exposed Subbase	None observed

~6" x 6" x 2.5"  
~12" x 6" x 2.5"



30s Complex Building Demolition Barrier Area.  
View looking east.



30s Complex Building Demolition Barrier Area.  
Evidence of vehicular traffic and small, soil-filled  
potholes.