

GE-Housatonic  
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445484



SDMS DocID 445484

November 21, 2008  
Project No. J1447-01-02

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

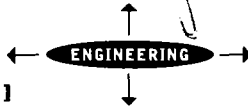
**Semi-Annual Inspection  
Building Demolition Barrier Areas  
November 2008**

**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

November 24, 2008

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

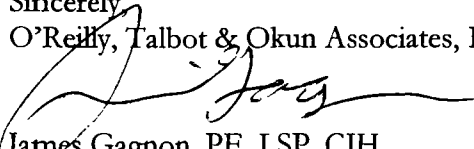
RE: Building Demolition Barrier Areas Inspections

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 November 21, 2008. Michael Bakunas of the Massachusetts Department of Environmental Protection was present for the inspection. 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.

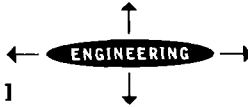
Should you have questions or require additional information, please contact me.

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

  
James Gagnon, PE, LSP, CIH  
Associate

C.  
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

✓ Mr. Rich Fisher  
Office of Site Remediation and Restoration  
U.S. Environmental Protection Agency  
One Congress Street (HBO)  
Boston, MA 02114-2023



Pittsfield Economic Development Authority  
Semi-Annual Inspection  
November 2008

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

## **Introduction**

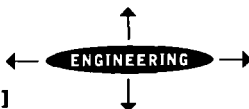
The Pittsfield Economic Development Authority (PEDA) is required to perform inspection activities at the Building Demolition Barrier Areas located in the William Stanley Business Park in Pittsfield, Massachusetts to assess the overall condition of the engineered barrier surfaces. One Building Demolition Barrier Area is located in the 30s Complex and 2 are located in the 20s Complex.

The November 2008 inspection was completed on behalf of PEDA on November 21, 2008 by Lindsey Mantha of O'Reilly, Talbot & Okun Associates, Inc.

## **Inspection Methodology**

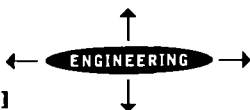
Advanced notice of the inspections was provided to the Massachusetts Department of Environmental Protection (MassDEP) and the U.S. Environmental Protection Agency. Michael Bakunas of MassDEP was present for the semi-annual inspection.

The assessments were performed by walking the entire surface 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.



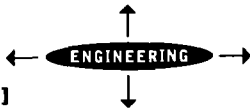
## Inspection Results 20s Complex Barrier Area 1

- Barrier Area Description:  
2.965 acre asphalt-paved parking lot
- Date of Inspection:  
November 21, 2008
- Weather Conditions:  
Sunny, Windy and Cold
- Type and Frequency of Inspection:  
Seventh semi-annual visual inspection of Building Demolition Barrier Areas conducted by PEDA 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 vegetative growth was observed (see photos). The frequency and density of vegetative growth in small cracks seems to be increasing.
- 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 and minor vegetative growth. Repair of cracking and control of vegetation may be necessary if conditions deteriorate.



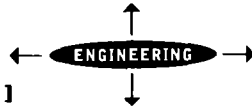
- **General:**

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. The barrier area is periodically used as a bus driver training area with the approval of PEDDA. 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:**  
November 21, 2008
- **Weather Conditions:**  
Sunny, Windy and Cold
- **Type and Frequency of Inspection:**  
Seventh 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.
- **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:**  
No corrective actions required at this time.
- **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.



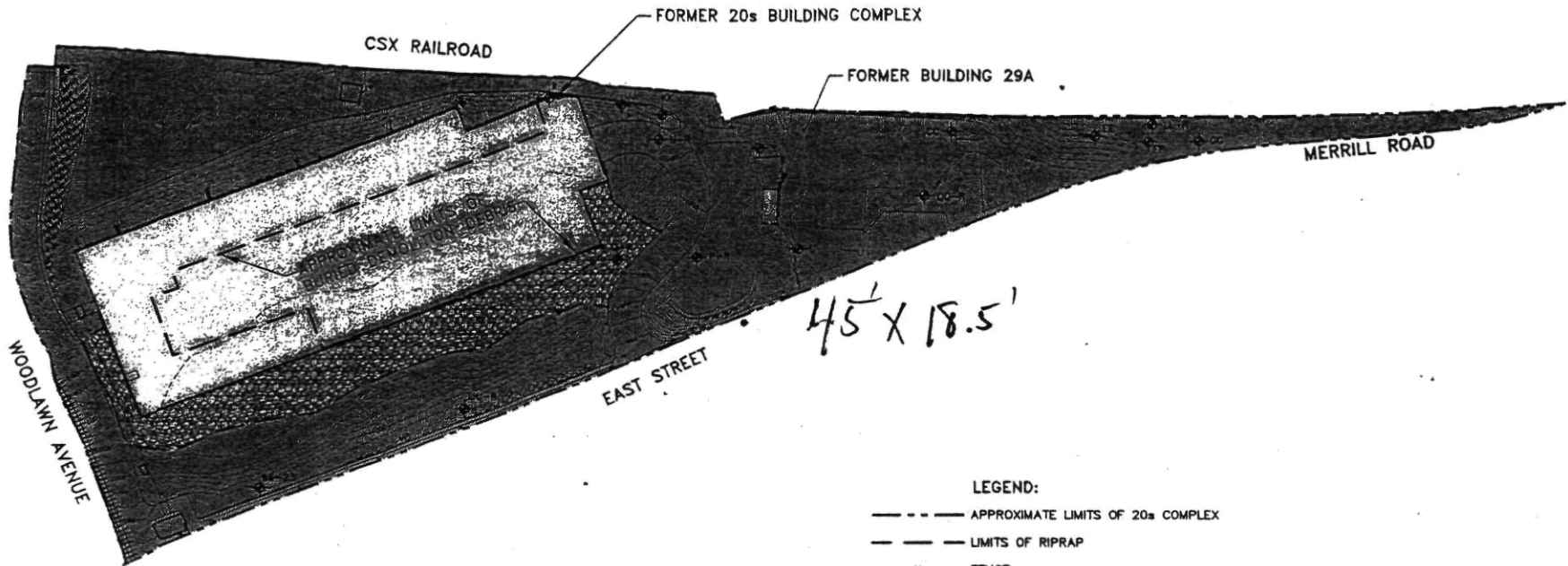
### **Inspection Results 30s Complex Barrier Area**

- **Barrier Area Description:**  
32,833 square feet asphalt paved surface
- **Date of Inspection:**  
November 21, 2008
- **Weather Conditions:**  
Sunny, Windy and Cold
- **Type and Frequency of Inspection:**  
Seventh 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 problems that are or may affect the performance of the engineered barrier were observed.
- **Descriptions of any measures taken to correct conditions which are affecting the performance of the barrier:**  
No 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 conditions which require correction were observed.
- **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. The area adjacent to the barrier area has been cleared and hydro-seeded under PEDDA Contract #1 for surface demolition. No impact to the barrier area from the site development work was noted. Field notes are attached.



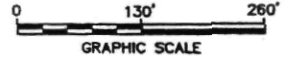


20s COMPLEX  
BARRIER AREA #1



- NOTES:**
1. BASE MAP INCLUDING TOPOGRAPHY WAS OBTAINED FROM A SURVEY PREPARED BY HILL ENGINEERS, ARCHITECTS, AND PLANNERS, DRAWING NO. GE-1085-B, 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> BASLAND, BOKICK & LEE, INC. <small>engineers, scientists, environmentalists</small>	FIGURE <b>3</b>

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SEMI-ANNUAL INSPECTION  
BUILDING DEMOLITION BARRIER AREAS

WILLIAM STANLEY BUSINESS PARK  
20s COMPLEX  
PITTSFIELD, MASSACHUSETTS

**20s Complex  
Barrier Area 1**

Date	11-21-2008
Inspector	Lindsey Mantha
Weather Conditions	Sunny, windy, 30s
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 along borders and in cracks, not excessive
Excessive Cracking	minor cracks 1/4" to 1/2" observed on northern portion
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 Barrier Area #1



View looking west  
November 21, 2008

20s Barrier Area #1



One-quarter inch to one inch crack in the northeastern portion of barrier area  
November 21, 2008

20s Barrier Area #1



Typical vegetation growth  
November 21, 2008

20s COMPLEX  
BARRIER AREA #2

SEMI-ANNUAL INSPECTION  
BUILDING DEMOLITION BARRIER AREAS

WILLIAM STANLEY BUSINESS PARK  
20s COMPLEX  
PITTSFIELD, MASSACHUSETTS

**20s Complex**  
**Barrier Area 2**

Date	11-21-2008
Inspector	Lindsey Mantha
Weather Conditions	Sunny, windy, 30s
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 along barrier, not excessive
Excessive Cracking	1/2" crack through middle, 1/4" crack towards south end
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 Barrier Area #2



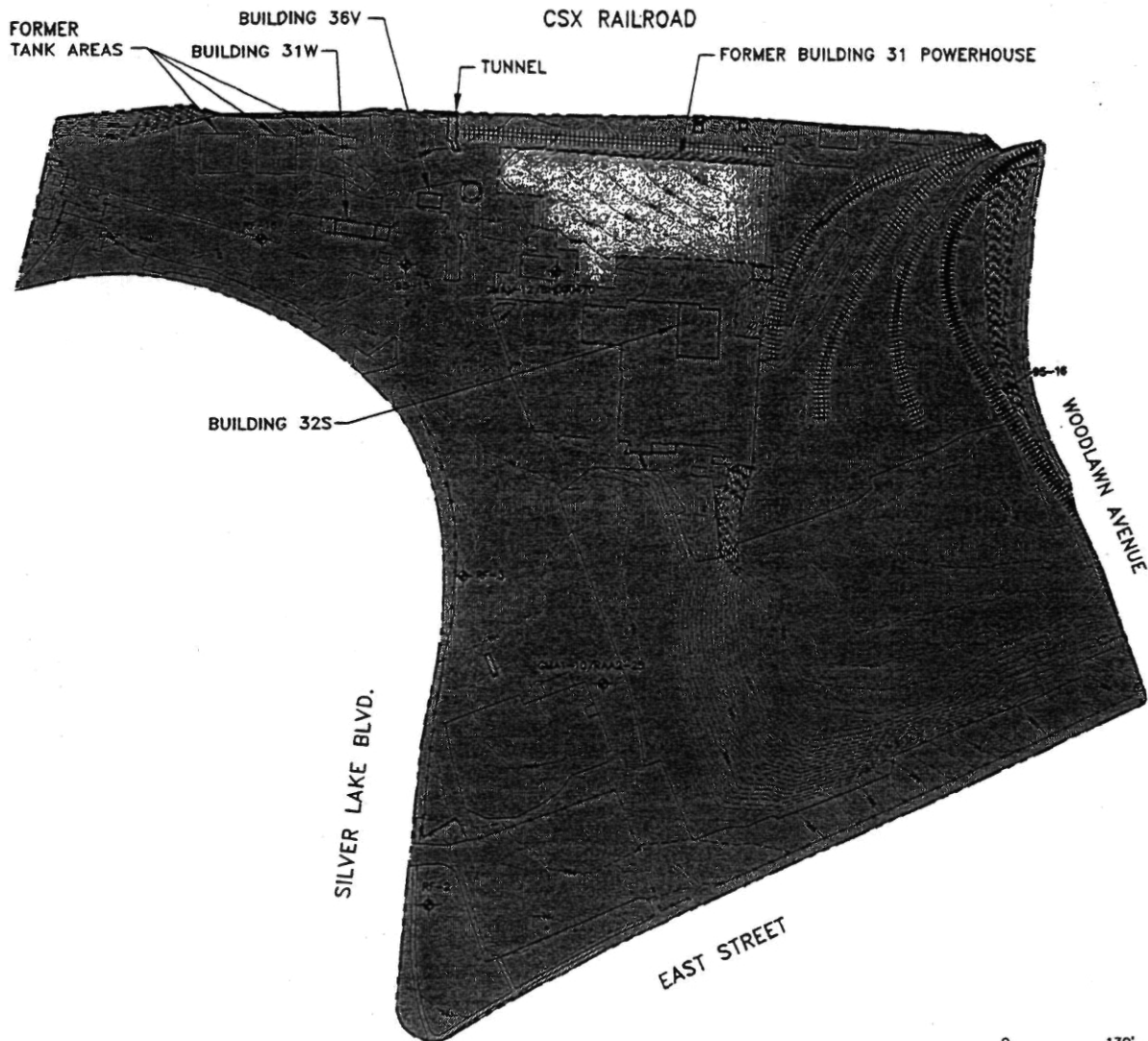
View looking southeast  
November 21, 2008

20s Barrier Area #2



One-quarter to one-half inch crack traversing the approximate center of the barrier  
November 21, 2008

30s COMPLEX



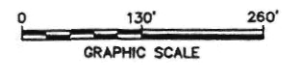
**LEGEND:**

- APPROXIMATE LIMITS OF 30a COMPLEX
- X- FENCE
- RETAINING WALL
- 1-FOOT CONTOUR INTERVAL
- 5-FOOT CONTOUR INTERVAL
- ||||| RAILROAD TRACKS
- HYDRANT
- STREET LIGHT
- o 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.



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

SEMI-ANNUAL INSPECTION  
BUILDING DEMOLITION BARRIER AREAS

WILLIAM STANLEY BUSINESS PARK  
30s COMPLEX  
PITTSFIELD, MASSACHUSETTS

**30s Complex  
Barrier Area**

Date	11-21-08
Inspector	Lindsey Mantha
Weather Conditions	Sunny, Windy, 30s
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 on borders, not excessive
Excessive Cracking	None excessive
Fissures	None observed
Spalling	None observed
Potholes	2 potholes observed along southern border were filled with dirt, 2 potholes repaired with concrete
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

30s Complex Building Demolition Barrier Area



Minor vegetation growth along the north side of the barrier  
November 21, 2008

30s Complex Building Demolition Barrier Area



View looking northeast/east  
November 21, 2008

30s Complex Building Demolition Barrier Area



One-quarter to three-quarter inch crack at the northwest edge of the barrier  
November 21, 2008

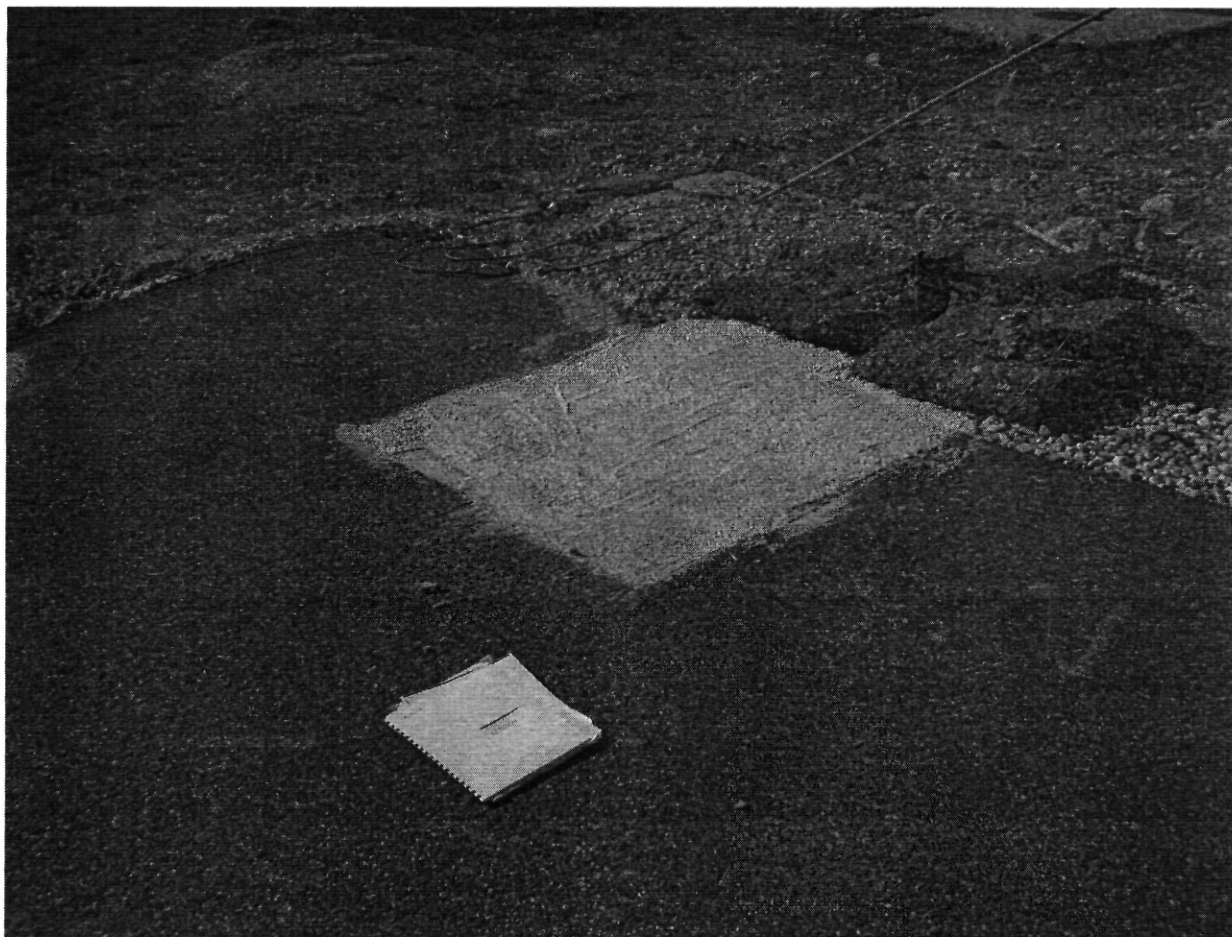


30s Complex Building Demolition Barrier Area



View of depression covered with dirt along southern border of the barrier area  
November 21, 2008

30s Complex Building Demolition Barrier Area



View of pothole repaired with concrete along southwestern border of the barrier area  
November 21, 2008