

**FINAL  
ENVIRONMENTAL ASSESSMENT AND  
FINDING OF NO SIGNIFICANT IMPACT**

**MILITARY WORK DOG KENNEL  
HANSCOM AFB  
LEXINGTON, MASSACHUSETTS**

*Prepared for:*



**United States Air Force  
Hanscom Air Force Base, Massachusetts**

*Prepared by:*

**Advanced Environmental Solutions, Inc.**  
90 Madison Street, Suite 303  
Worcester, MA 01608-2030

April 2004

# Report Documentation Page

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## Engineering Services Incorporated

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13 April 2004

**MEMORANDUM FOR:** Pamela Rodgers  
66 MSG/CE, Del-Jen, Inc.  
120 Grenier Street  
Hanscom AFB, MA 01731

**FROM:** 66 MSG/CEKV Environmental Branch (MaraTEch)

**SUBJECT:** Environmental Assessment (EA) for Security Forces Dog Kennel Building

1. Please see the following deliverable:  
Attached is the Draft copy of Project Work: MXRD 03 0113, EA for Security Forces Dog Kennel Building, F19650-02-D-0010/ Delivery Order 44.
2. This office has conducted several reviews of the subject document, coordinated with appropriate organizations, and performed site visits. The consultant properly incorporated our comments. The subject document meets the criteria as described in **Para 1.6.4.4**.
3. If you have any questions or comments please contact me at x4667.

Respectfully Submitted,

A handwritten signature in black ink that reads "Christopher S. Simpson".

CHRISTOPHER S. SIMPSON, REM

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## SECTION 1.0 INTRODUCTION

### 1.1 Purpose and Need

This Environmental Assessment has been prepared by Advanced Environmental Solutions, Inc. (AES) to evaluate potential impacts associated with the proposed construction of a building addition and new training area at the existing Military Work Dog (MWD) Kennel (Building 1444), at the northern end of Hamilton Street in the eastern portion of the Hanscom Air Force Base (HAFB) Installation, Lexington, Massachusetts. The Site location map is included in Appendix A. The proposed building addition and outdoor training area will provide better MWD housing and training facilities, and will allow the 66<sup>th</sup> Security Forces Squadron to better carry out their mission.

### 1.2 Authority

The Environmental Assessment was prepared under the *National Environmental Policy Act of 1969*, as amended, and all other applicable federal environmental regulations. The document meets the provisions of *Air Force Instruction 32-7061*, effective 24 January 1995, implementing the tasks and procedures for the Air Force Environmental Impact Analysis Process (EIAP). Construction of the addition to Building 1444 and the MWD outdoor training area will be completed utilizing Department of Defense (DoD) funds.

## **SECTION 2.0**

### **ALTERNATIVES**

#### **2.1 No Action**

The purpose of the proposed addition to Building 1444 and the modification the outdoor MWD training area is to provide for better MWD kennel and training facilities. This will also allow the 66<sup>th</sup> Security Forces Squadron to potentially house additional Military Work Dogs at the facility, provide better training, and ultimately enable the 66<sup>th</sup> Security Forces Squadron to better carry out their mission. Without construction of the proposed storage building, the Squadron will be without suitable and appropriate MWD kennel and training facilities, and would be limited in their ability to carry out their mission.

#### **2.2 Design Site Plan Around Environmental Constraints**

The selected alternative involves construction of a 2,400 square foot (approximate area of building footprint) addition to the existing building, and extending the fencing surrounding the exterior dog training area to the west of the current configuration. The building addition will measure approximately 40 feet by 60 feet, and will be attached to the west side of existing Building 1444. The exterior training area will measure 120 feet by 120 feet, will be enclosed by a chain link fence, and will extend westward approximately 120 feet from the west end of the proposed building addition. The proposed layout is shown on the design drawing (Appendix A). The purpose of the building addition and new training area is to support the mission of the 66<sup>th</sup> Security Forces Squadron, and provide better and more appropriate training and kennel facilities.

The site plan was developed with due consideration of relevant environmental and community factors. For example, LEC Environmental Consultants, Inc. (LEC) conducted wetland boundary determinations and wildlife habitat evaluations (Fall 1994) for the entire base. Based on a Site visit and inspection, a review of the document prepared by LEC, and other information (e.g., MassGIS on-line information), no

wetlands or significant wildlife were identified on or adjacent to the site and the proposed site plan will result in minimal impacts to the surrounding environment and Hanscom residential and business community. The proposed footprint of the building addition is located within the existing MWD outdoor training area, covered by grass. The area proposed for construction is currently not occupied by permanent structures. Based on the need for the addition to Building 1444, and the modification to the outdoor MWD training area, this alternative has been selected as the preferred scenario.



### **SECTION 3.0**

#### **PROJECT DESCRIPTION**

The proposed project involves the construction of a 2,400 square foot (approximate area of building footprint) addition to the existing building, and extending the fencing surrounding the exterior MWD training area to the west of the current configuration. The building addition will measure approximately 40 feet by 60 feet, and will be attached to the west side of existing Building 1444. The exterior training area will measure 120 feet by 120 feet, will be enclosed by a chain link fence, and will extend westward approximately 120 feet from the west end of the proposed building addition. The proposed layout is shown on the design drawing (Appendix A). The purpose of the building addition and new training area is to support the mission of the 66<sup>th</sup> Security Forces Squadron, and provide better and more appropriate training and kennel facilities.

## SECTION 4.0 AFFECTED ENVIRONMENT

### 4.1 General Site Description

Hanscom AFB is located approximately 18 miles northwest of Boston, Massachusetts. The property presently occupied by Hanscom AFB was initially established as the Auxiliary Boston-Bedford Airport on 14 May 1941 by an act of the Great General Court of the Commonwealth of Massachusetts. On 29 June 1942, the Commonwealth of Massachusetts formally transferred the airport, containing 500 acres, to the federal government for the purpose of constructing an airfield, which was constructed and used by the Army Air Force during World War II. The Base currently contains 846 acres of which 153 acres are leased to organizations outside of the Air Force (Benham, 1991).

The proposed construction project is located at the northwest end of Hamilton Street in the eastern portion of HAFB in the Town of Lexington, Massachusetts. The proposed building addition footprint is located within the existing MWD outdoor training area adjacent to existing Building 1444 which houses the MWD kennels of the 66<sup>th</sup> Security Forces Squadron.

### 4.2 Surficial Geology, Topography and Soils

Approximately 10,000 years ago, during the last glacial retreat, much of the area between Route 2A in Lincoln and Route 62 in Bedford was inundated by Glacial Lake Concord. This glaciation influenced the soil types and topographic features distributed throughout the Base. However, human activity has dramatically impacted the natural distribution of soils and original topography, and little of this glaciation can be observed today. The glaciolacustrine deposits (lakebed sediments) that formed the bottom of Glacial Lake Concord were evenly distributed over thousands of years creating little topographic relief.

According to the *Soil Conservation Service Interim Report for Middlesex County, (Concord Quadrangle)* dated March, 1991 (3rd edition), soils on the Base and in the vicinity of the Site generally consist of a combination of Udorthents (soils altered by earth moving activities) and/or Urban Land (soils mostly covered by impervious surfaces). The remaining soils on the base are composed primarily of loamy sands or fine sandy loams associated with glaciofluvial deposits.

#### **4.3 Wetlands and Water Quality**

During the site visit performed by AES, no wetland resource areas were observed within 100 feet of the proposed activities. In addition, the Massachusetts Geographic Information System (MassGIS) web-site for wetlands ([www.state.ma.us/mgis/mapping.htm](http://www.state.ma.us/mgis/mapping.htm) or [maps.massgis.state.ma.us/WETLANDS12K](http://maps.massgis.state.ma.us/WETLANDS12K)) which displays the 1:12,000 MADEP Wetlands datalayer, indicates that there are no wetlands within at least 500 feet of the proposed construction site. Therefore, no direct disturbance or impacts to wetland resource areas are likely to result from the proposed construction activities. Inspection of the FEMA Flood Insurance Rate Map (Community Panel # 250198 0005 C) indicates that the site is located within Zone C, designated as areas of minimal flooding.

#### **4.4 Historical and Archeological Resources**

The Public Archeology Laboratory, Inc. (PAL) conducted an Archeological Reconnaissance Survey and Soils Inspection of HAFB in November 1991. The report (PAL, Inc., 1992) documented areas of potential cultural deposition and standing structures of historical significance. No significant structures were located within the area of proposed activity, and the area was designated with “low archaeological sensitivity”. Areas of potential cultural deposition and those with moderate to high archaeological sensitivity are located beyond the area of proposed activity and thereby unaffected by the proposed activities. In addition, the Massachusetts Historical Commission (MHC) has determined this project is unlikely to affect significant historic or archaeological resources. The response from the MHC is included in Appendix B.

#### **4.5 Threatened and Endangered Species**

According to information compiled by the Massachusetts Natural Heritage and Endangered Species Program (NHESP), and presented on the MassGIS web site ([www.state.ma.us/mgis/mapping.htm](http://www.state.ma.us/mgis/mapping.htm) or [maps.massgis.state.ma.us/21e](http://maps.massgis.state.ma.us/21e)), there are no certified vernal pools or NHESP Estimated Habitats of Rare Wildlife in Wetland Areas (i.e., NHESP Habitats) in the vicinity of the proposed construction site.

LEC conducted a Comprehensive Ecological Analysis of Hanscom AFB in 1994 and 1995. In the Ecological Analysis (LEC, 1995), two endangered species were identified within the confines of Hanscom AFB. The two species identified on-base were the Eastern Longhorn Elderberry Beetle and the Spotted Turtle. However, the LEC report indicates that the wetland areas where these species were identified are not located in the vicinity of the proposed project areas.

## SECTION 5.0 ENVIRONMENTAL CONSEQUENCES

### 5.1 Wetlands and Water Quality

No wetland resource areas were observed within 100 feet of the proposed activities. In addition, the MassGIS MADEP Wetlands datalayer map indicates that there are no wetlands within at least 500 feet of the proposed construction site. Therefore, no direct disturbance or impacts to wetland resource areas are likely to result from the proposed construction activities. The construction of the MWD Kennel building addition is not expected to result in a significant increase in surface water runoff, or a decrease in infiltration, and is not expected to affect water quality.

### 5.2 Noise and Air Quality

Increases in noise levels, associated with construction, are anticipated at the site during regular daylight work hours (7:00 a.m.-4:30 p.m.). These increases in noise will persist throughout the construction process, primarily associated with regular day time work hours in order to deter from disrupting HAFB residents. Activities associated with an increase in noise levels are temporary and will cease upon completion of each workday. Although the proposed project is estimated to take approximately 2 to 3 months, increases in noise levels are not anticipated to have long term negative impacts to the environmental quality of the Hanscom community. In addition, construction activities and subsequent operation of construction equipment will result in a temporary increase in air pollutants. Construction activities will result in emissions from equipment and elevated levels of dust in the air. These impacts will be temporary and minimal to the overall air emissions on the Base. No measurable impacts to air quality are anticipated in relation to the proposed construction activities.

### **5.3 Terrestrial Environment**

Portions of the proposed construction will temporarily disrupt the existing terrestrial environment within the project area. The surface of the area to be impacted currently consists of the grass-covered MWD training area. Existing pedestrian and vehicular circulation adjacent to the site are not anticipated to be effected during proposed construction activities.

### **5.4 Solid Waste Materials**

The proposed construction is likely to generate solid waste materials consisting of building construction materials packaging (e.g., paper or plastic waste). The selected contractor will be responsible for compliance with Air Force and Base requirements for recycling and appropriate disposal of any non-recyclable materials. It is anticipated that such compliance will be a requirement outlined in the contract for the construction of the facilities outlined herein.

## **SECTION 6.0**

### **MITIGATION MEASURES**

The following mitigation measures are proposed to protect the adjacent surroundings during and following the proposed construction activities.

#### **6.1 Wetlands**

Not wetland resource areas were observed within 100 feet of the proposed activities, however an erosion and sedimentation control program will be implemented, as necessary, to prevent silt-laden runoff from entering the adjacent roadway/paved parking area and drainage system. As warranted, a siltation barrier composed of filter fabric (i.e., silt fence), or equivalent, will be installed within the lawn areas around the perimeter of the proposed construction area.

#### **6.2 Noise and Air Quality**

Increases in noise levels, associated with construction, are anticipated at the site during regular daylight work hours. Little can be done to mitigate short-term noise generated by construction activities. However, construction activities will be restricted to weekday hours. In addition, construction activities will result in emissions from construction equipment and elevated levels of dust in the air. If necessary, a watering truck will be utilized during construction to minimize airborne dust.

#### **6.3 Terrestrial Environment**

Disturbance to the grassy areas beyond the building footprint will be restored to its existing condition by placement of topsoil followed by hydro-seeding. Vehicular and pedestrian circulation adjacent to the site are not anticipated to be affected during proposed construction activities. However, in the event that circulation patterns are disturbed, traffic will appropriately re-routed.

#### **6.4 Solid Waste Materials**

Solid waste generated from the proposed construction project will be transported to the HAFB Waste Transfer Station (Building 1855). In the event that unexpected waste material is encountered during construction, the appropriate authority will be notified. Recycling requirements for the proposed project are outlined in Section 5.4 of this report.



## SECTION 7.0 COORDINATION

### 7.1 Initial Coordination

Coordination letters requesting comments on the proposed project were mailed on March 12, 2004 to the individuals and resource agencies listed in this section. The coordination letter included a brief explanation of the proposed work and a copy of a location map and pertinent design drawings (Appendix B). The comment period for resource agencies to respond to the coordination letters is 30 days.

**Mr. Robert W. Golledge, Jr.**  
Commissioner  
Massachusetts Department of Environmental Protection  
One Winter Street, 2<sup>nd</sup> Floor  
Boston, MA 02108

**Mr. James Sprague**  
Massachusetts Department of Environmental Protection  
Northeast Regional Office  
Bureau of Resource Protection  
Division of Watershed Management – Wetlands Program  
One Winter Street  
Boston, Massachusetts 02108

**Mr. John Zajac**  
Massachusetts Department of Environmental Protection  
Northeast Regional Office  
Bureau of Resource Protection  
Division of Watershed Management  
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Boston, Massachusetts 02108

**Mr. Todd A. Frederick**  
Acting Director  
Massachusetts Department of Conservation and Recreation  
251 Causeway Street, Suite 600  
Boston, MA 02114-2104

**Mr. Wayne F. MacCallum**  
Director  
Division of Fisheries & Wildlife  
251 Causeway St, Suite 400  
Boston, MA 02114-2152

**Mr. Edward Reiner**  
Wetland Protection Section  
U.S. EPA Region 1  
1 Congress Street, Suite 1100  
Boston, MA 02114-2023

**Mr. Mike Bartlett**  
New England Field Supervisor  
U.S. Fish and Wildlife Service  
70 Commercial Street, Suite 300  
Concord, NH 03301-5087

**Ms. Pat Huckery**  
Endangered Species Project Analyst  
Natural Heritage & Endangered Species Program  
Massachusetts Division of Fisheries and Wildlife  
North Drive  
Westborough, MA 01581

**Ms. Brona Simon**  
Director, Technical Services  
Massachusetts Historical Commission  
220 Morrissey Boulevard  
Boston, MA 02125-3314

**Mr. John Silva**  
Manager, Environmental Programs  
Federal Aviation Administration, ANE-600  
12 New England Executive Park  
Burlington, MA 01803

**Mr. Frederick A. Laskey**  
Executive Director  
Massachusetts Water Resources Authority  
100 First Avenue  
Charlestown Navy Yard  
Boston, MA 02129

## **7.2 Comments and Letters Received**

The 30-day comment period to respond to the coordination letter closed on April 12, 2004. Resource agencies that did not respond within the 30-day comment period were contacted by phone, if possible, to ensure their involvement in the planning process. The following summarizes the comments, if any, which were received from each agency. Copies of agency response letters are included in Appendix B.

**Mr. Robert W. Golledge, Jr.**

Commissioner, MADEP: See attached response letter

**Mr. James Sprague**

MADEP, NERO Division of Watershed Management – Wetlands Program: No Comment

**Mr. John Zajac**

MADEP, NERO Division of Watershed Management: No Comment

**Mr. Todd A. Frederick**

Acting Director, MA Dept. of Conservation and Recreation: No Comment – Dept. defers to NHESP

**Mr. Wayne F. MacCallum**

Director, Division of Fisheries & Wildlife: No Comment – Division defers to NHESP

**Mr. Edward Reiner**

U.S. EPA Region 1, Wetland Protection Section: AES received verbal correspondence from Mr. Reiner on March 19, 2004 indicating no expected impact to wetlands.

**Mr. Mike Bartlett**

U.S. Fish and Wildlife Service (USFWS), New England Field Supervisor: Verbal correspondence indicated no issues with proposed construction project. USFWS will send letter to AES indicating there are no issues with proposed project.

**Ms. Pat Huckery**

Endangered Species Project Analyst, NHESP: Verbal correspondence on April 12, 2004 – NHESP would not likely respond via letter until approximately 3 to 4 weeks beyond end of comment period.

**Ms. Brona Simon**

Director, Technical Services, Mass. Historical Commission: See attached response letter

**Mr. John Silva**

Manager, Environmental Programs, FAA: Verbal correspondence with FAA on April 12, 2004 indicated there were no environmental issues. However, completion and submittal of FAA Form 7460-1 *Notice of Proposed Construction or Alteration* may need to be filed with the FAA.

**Mr. Frederick A. Laskey**

Executive Director, MWRA: No Comment

## SECTION 8.0

### COMPLIANCE WITH ENVIRONMENTAL FEDERAL STATUTES AND EXECUTIVE ORDERS

#### 8.1 Federal Statutes

1. Preservation of Historic and Archaeological Data Act of 1974, as amended, 16 U.S.C. 469 et seq.  
*Compliance:* Project does not require mitigation of historic or archaeological resources at this time.
2. Clean Air Act, as amended 42 U.S.C. 7401 et seq.  
*Compliance:* Public Notice of the Availability of this report to the Regional Administrator of the Environmental Protection Agency for review pursuant to Sections 176c and 309 of the Clean Air Act signifies partial compliance.
3. Clean Water Act of 1977 (Federal Water Pollution Control Act Amendments of 1972) 33 U.S.C. 1251 et seq.  
*Compliance:* Project does not involve alteration of wetlands.
4. Coastal Zone Management Act of 1972, as amended, 16 U.S.C. 1431 et seq.  
*Compliance:* Project is not located within the State designated coastal zone.
5. Endangered Species Act of 1973, as amended, 16 U.S.C. 1531 et seq.  
*Compliance:* Coordination with the U.S. Fish and Wildlife Service has yielded no formal consultation requirements pursuant to Section 7 of the Endangered Species Act.
6. Estuarine Areas Act, 16 U.S.C. 1221 et seq.  
*Compliance:* This report is not being submitted to Congress.
7. Federal Water Project Recreation Act, as amended, 16 U.S.C. 4601-12 et seq.  
*Compliance:* Public Notice of Availability of this report signifies compliance with this Act.
8. Fish and Wildlife Coordination Act, as amended, 16 U.S.C. 661 et seq.

**Compliance:** Coordination with the FWS and MA DEP signifies compliance with the Fish and Wildlife Coordination Act.

9. Land and Water Conservation Fund Act of 1965, as amended, 16 U.S.C. 4601-4 et seq.

**Compliance:** Public Notice of the availability of this report signifies compliance with this Act.

10. Marine Protection, Research, and Sanctuaries Act of 1972, as amended, 33 U.S.C. 1401 et seq.

**Compliance:** Project does not involve the transportation nor disposal of dredged material in ocean waters pursuant to Sections 102 and 103 of the Act, respectively.

11. National Historic Preservation Act of 1966, as amended, 16 U.S.C. 470 et seq.

**Compliance:** Coordination with the State Historic Preservation Office (Massachusetts Historical Commission) determined that no historic or archaeological resources would likely be affected by the proposed project.

12. National Environmental Policy Act of 1969, as amended, 42 U.S.C. 4321 et seq.

**Compliance:** Preparation of this report signifies partial compliance with NEPA. Full compliance shall be noted at the time the Finding of No Significant Impact is issued.

13. Rivers and Harbors Act of 1899, as amended, 33 U.S.C. 401 et seq.

**Compliance:** Project does not involve activities regulated by this Act.

14. Watershed Protection and Flood Prevention Act, as amended, 16 U.S.C. 1001 et seq.

**Compliance:** Public Notice of the availability of this report signifies compliance with this Act.

15. Wild and Scenic Rivers Act, as amended, 16 U.S.C. 1271 et seq.

**Compliance:** Public Notice of the availability of this report signifies compliance with this Act.

## **8.2 Executive Orders**

1. Executive Order 11988, Floodplain Management, 24 May 1977 amended by Executive Order 12148, 20 July 1979.

Compliance: Public Notice of the availability of this report for public review fulfills the requirements of Executive Order 11988, Section 2 (a)(2).

2. Executive Order 11990, Protection of Wetlands, 24 May 1977.

Compliance: No wetland resource areas are located on or adjacent to the site.

3. Executive Order 12114, Environmental Effects Abroad of Major Federal Actions, 4 January 1979.

Compliance: Project is located within the United States.

## **8.3 Executive Memorandum**

1. Analysis of Impacts on Prime or Unique Agricultural Lands in Implementing NEPA, 11 August 1980.

Compliance: Project does not involve nor impact agricultural lands.

## SECTION 9.0

### REFERENCES

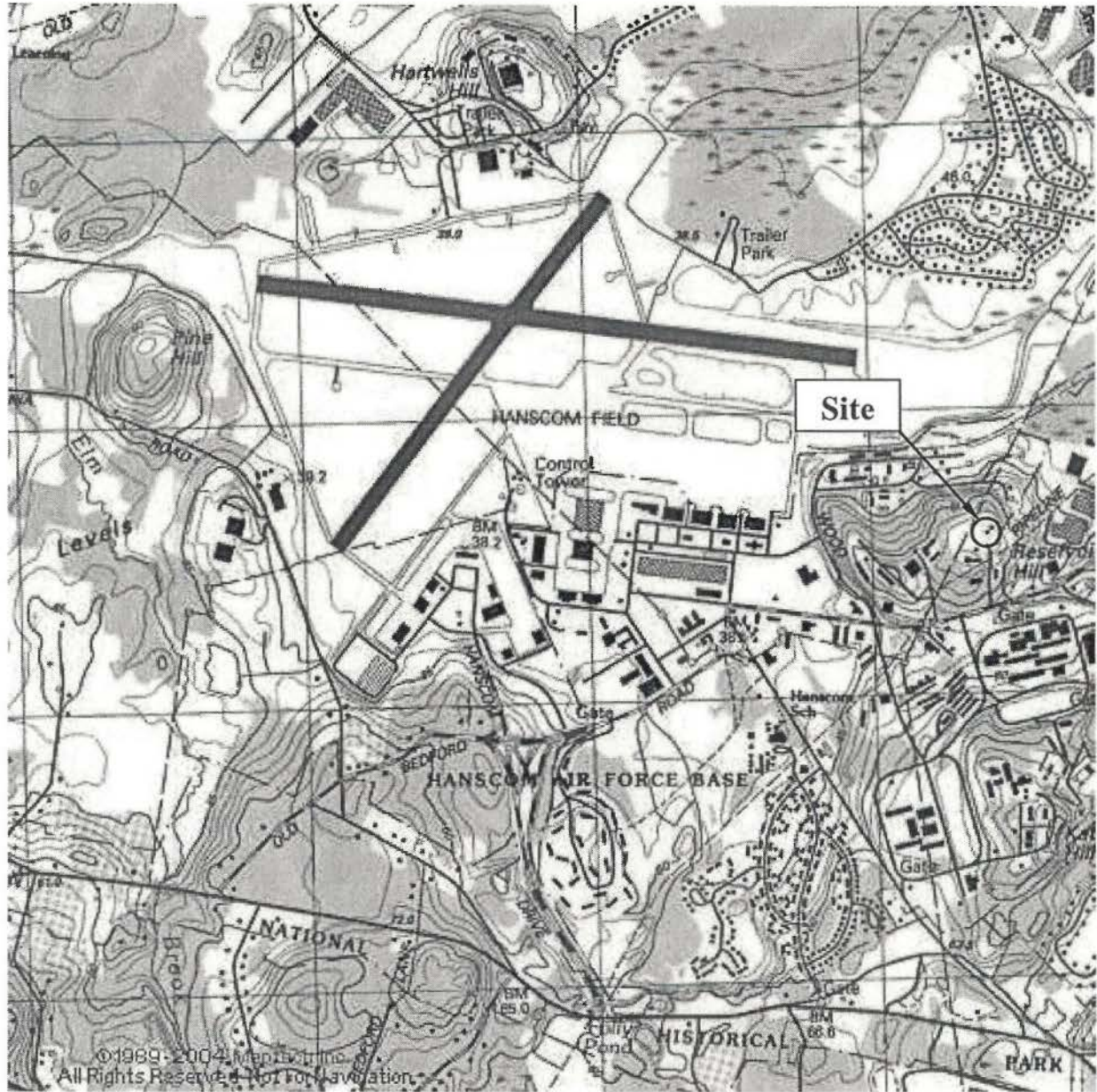
- Benham Group, 1991. *Base Comprehensive Plan: Hanscom Air Force Base, Massachusetts*. HA86-0370/F19650-86-C0074. Vols. I & II.
- LEC Environmental Consultants, Inc. 1995 (revised August 1997). *Comprehensive Ecological Analysis, Hanscom Air Force Base*. Hanscom Air Force Base, Massachusetts. Volumes I and II.
- Middlesex Conservation District, March 1991. *Soil Conservation Service Interim Report for Middlesex County* (3rd Edition), 122 pp.
- Public Archaeology Laboratory, Inc., April 1992. *Archaeological Reconnaissance Survey and Soils Inspection of Hanscom Air Force Base, Bedford, Lexington and Lincoln, Massachusetts*. PAL, Inc. Report No. 445 (revised). Prepared by Marsha K. King, Edna Feighner and Duncan Ritchie. Prepared for the Benham Group, Inc., Oklahoma City, OK.



**APPENDIX A**

**FIGURES**

Figure developed from USGS- Maynard, MA Quad, 1:25,000



Advanced Environmental Solutions, Inc.

90 Madison St., Suite 303, Worcester, MA 01608  
 Phone: 508 363-4882  
 Fax: 508 363-4883

LOCUS MAP

Property:  
 HANSCOM AFB  
 LINCOLN, MASSACHUSETTS

APPRX. SCALE	PROJECT	FILE	FIGURE	PRINT DATE
1"=2000	EA	Hanscom	1	2/23/04

**APPENDIX B**

**COORDINATION LIST, EXAMPLE COORDINATION LETTER AND  
RETURN CORRESPONDENCE**

**Coordination List  
Environmental Assessment  
MWD Kennel Project  
Hanscom AFB, Massachusetts**

**Mr. Robert W. Golledge, Jr.**

Commissioner  
Massachusetts Department of Environmental Protection  
One Winter Street, 2<sup>nd</sup> Floor  
Boston, MA 02108

**Mr. James Sprague**

Massachusetts Department of Environmental Protection  
Northeast Regional Office  
Bureau of Resource Protection  
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**Mr. Frederick A. Laskey**

Executive Director  
Massachusetts Water Resources Authority  
100 First Avenue  
Charlestown Navy Yard  
Boston, MA 02129

March 11, 2004

**Certified Mail**

*Name*

*Address*

*City, State, Zip Code*

**RE: Proposed Construction of Military Work Dog (MWD) Kennel and Training Area  
Hanscom AFB, Massachusetts**

Dear ----- :

On behalf of the United States Air Force (USAF), Advanced Environmental Solutions, Inc. (AES) is preparing an Environmental Assessment for the construction of an additional building and training area at the existing MWD Kennel (Building 1444) located on the eastern portion of the Hanscom Air Force Base Installation. The purpose of this letter is to request your comments on the proposed project. The following narrative briefly describes the proposed project. A Site Locus Map and project layout (portion of design plans) are attached for your review and use.

The project will consist of constructing a 2,400 square foot (approximate area of building footprint) addition to the existing building, and extending the fencing surrounding the exterior dog training area to the west of the current configuration. The building addition will measure approximately 40 feet by 60 feet, and will be attached to the west side of existing Building 1444. The exterior training area will measure 120 feet by 120 feet, will be enclosed by a chain link fence, and will extend westward 120 feet from the west end of the proposed building addition. The proposed layout is shown on the attached design drawing. The purpose of the building addition and new training area is to support the mission of the 66<sup>th</sup> Security Forces Squadron, and provide better and more appropriate training and kennel facilities.

AES is evaluating the physical, biological and socioeconomic impacts associated with alternative Site layouts including adjacent land use, site utilities and environmental impacts to determine the optimal layout for the proposed project.

If you have any questions regarding this project, feel free to contact Bill Picard or Phil Smith of AES at (508) 363-4882.

Sincerely,

**ADVANCED ENVIRONMENTAL SOLUTIONS, INC.**

Philip M. Smith, PG  
Technical Director

Attachment: Site Locus Map  
Project Layout (portion of design plans)

C:\AES-Technical PMS\Hanscom - Maratech\EA Report- Kennel\Kennel Ltr-example.doc

March 11, 2004

After review of MHC files and the materials you submitted, it has been determined that this project is unlikely to affect significant historic or archaeological resources.

**RECEIVED**

Certified Mail

Eric S. Johnson 3/22/04  
Eric S. Johnson Date  
Archaeologist/Preservation Planner  
Massachusetts Historical Commission RC.34721

MAR 15 2004

**MASS. HIST. COMM**

Ms. Brona Simon  
Director, Technical Services  
Massachusetts Historical Commission  
220 Morrissey Boulevard  
Boston, MA 02125-3314

**RE: Proposed Construction of Military Work Dog (MWD) Kennel and Training Area  
Hanscom AFB, Massachusetts**

Dear Ms. Simon:

On behalf of the United States Air Force (USAF), Advanced Environmental Solutions, Inc. (AES) is preparing an Environmental Assessment for the construction of an additional building and training area at the existing MWD Kennel (Building 1444) located on the eastern portion of the Hanscom Air Force Base Installation. The purpose of this letter is to request your comments on the proposed project. The following narrative briefly describes the proposed project. A Site Locus Map and project layout (portion of design plans) are attached for your review and use.

The project will consist of constructing a 2,400 square foot (approximate area of building footprint) addition to the existing building, and extending the fencing surrounding the exterior dog training area to the west of the current configuration. The building addition will measure approximately 40 feet by 60 feet, and will be attached to the west side of existing Building 1444. The exterior training area will measure 120 feet by 120 feet, will be enclosed by a chain link fence, and will extend westward 120 feet from the west end of the proposed building addition. The proposed layout is shown on the attached design drawing. The purpose of the building addition and new training area is to support the mission of the 66<sup>th</sup> Security Forces Squadron, and provide better and more appropriate training and kennel facilities.

AES is evaluating the physical, biological and socioeconomic impacts associated with alternative Site layouts including adjacent land use, site utilities and environmental impacts to determine the optimal layout for the proposed project.

**RECEIVED**  
3/25/04  
8



If you have any questions regarding this project, feel free to contact Bill Picard or Phil Smith of AES at (508) 363-4882.

Sincerely,

**ADVANCED ENVIRONMENTAL SOLUTIONS, INC.**



Philip M. Smith, PG  
Technical Director

Attachment: Site Locus Map  
Project Layout (portion of design plans)



COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
ONE WINTER STREET, BOSTON, MA 02108 617-292-5500

MITT ROMNEY  
Governor

KERRY HEALEY  
Lieutenant Governor

ELLEN ROY HERZFELDER  
Secretary

ROBERT W. GOLLEDGE, Jr.  
Commissioner

March 22, 2004

Philip M. Smith  
Advance Environmental Solutions, Inc.  
90 Madison Street – Suite 303  
Worcester, MA 01608

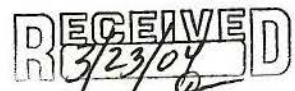
RE: Proposed construction at Hanscom AFB

Dear Mr. Smith:

Commissioner Robert Golledge of the Massachusetts Department of Environmental Protection asked me to respond to your two March 11, 2004 letters describing proposed construction activity at the Hanscom Air Force Base in Lincoln, Massachusetts. As described in your letters, sent on behalf of the United States Air Force, one project will involve the construction of a 2,400 square foot addition to the existing MWD Kennel Building and extending fencing around the exterior of the existing dog training area. The purpose of the building addition and new training area is to provide support to the 66<sup>th</sup> Security Force Squadron, and to provide more appropriate training and kennel facilities. The second project involves the construction of a 6,000 square foot Vehicle Storage Building at the north end of Hamilton Street on a site adjacent to the existing MWD Kennel Building. As proposed, the building would store All-Terrain Vehicles and other vehicles and equipment critical to the mission of the 66<sup>th</sup> Security Force Squadron.

As noted in your letters, AES is preparing an environmental assessment of the proposed projects, including an evaluation of the physical, biological and socioeconomic impacts. Your letters request any comments the Departments may have in response to the proposed projects.

In reviewing the description of the proposed projects, the Department notes the letters contain no information about whether the proposed building will have a water supply, sanitary facilities, or oil/gas storage areas. The site plan and description of the proposed project site makes no mention of the possible existence of wetlands, vernal pools, contaminated soil on the site or other features the Department typically considers in evaluating construction projects. Nonetheless, based on the limited information provided in your letters, it would appear the



proposed projects would have limited environmental impact and would probably not require any permits from the Department. However, please be advised the Department review of proposed projects generally does not include direct potential biological nor socioeconomic impacts. In addition, the Department recommends you also contact local and federal officials to determine if permits under their jurisdiction may be needed to proceed with these projects.

The Department appreciates the opportunity to comment of these proposed projects. If you have any questions regarding these comments, please contact me at 617-348-4045.

Sincerely,

A handwritten signature in black ink, appearing to read "John Felix". The signature is written in a cursive style with a large initial "J" and "F".

John Felix  
Deputy Associate Commissioner

**APPENDIX C**  
**PUBLIC NOTICE**



**ENVIRONMENTAL ASSESSMENTS - MILITARY WORK DOG KENNEL PROJECT and SECURITY FORCES STORAGE BUILDING, HANSCOM AIR FORCE BASE.** Interested parties are hereby notified that on behalf of the United States Air Force, Advanced Environmental Solutions, Inc. (AES) is preparing Environmental Assessments for the following projects: 1) Construction of an outdoor training area and building addition to the existing Military Work Dog (MWD) Kennel building (Building 1444), and 2) construction of a Security Forces Storage Building adjacent to existing Building 1444. Each of the projects is located on Hanscom Air Force Base property. This Environmental Assessments were prepared under the Policy Act of 1969, as amended, and all other applicable federal environmental regulations. The documents meet the provisions of Air Force Instruction 32-7061, effective 24 January, 1995, implementing the tasks and procedures for the Air Force Environmental Impact Analysis process (EIAP). No wetland resources are located within 100 feet of the proposed activities. If you have any questions regarding the Environmental Assessments or would like a copy of either document, please contact the AES at (508) 363-4882.

**APPENDIX D**

**FINDING OF NO SIGNIFICANT IMPACT**

**Finding of No Significant Impact  
Military Work Dog Kennel Project  
Hanscom Air Force Base, Massachusetts**

The proposed construction a 2,400 square foot (approximate area of building footprint) addition to the existing Military Work Dog (MWD) Kennel building (building 1444), and extending the fencing surrounding the exterior dog training area to the west of the current configuration has been determined to have no significant impact on the environment. The anticipated impacts will occur to existing terrestrial environments consisting of seeded lawn and dirt access road areas. No wetland resource areas or significant wildlife habitat are located on or adjacent to the site. This assessment has been prepared in accordance with the National Environmental Policy Act of 1969 and all applicable environmental statutes and executive orders. The public notice was placed in the Boston Globe newspaper on 8 April 2004. Revisions to the storm water system design were finalized in February 2005. My determination of a Finding of No Significant Impact is based on the Environmental Assessment and the following considerations:

- a) The construction of the building addition and outdoor training area will result in temporary and highly localized impacts to the landscape within the project area.
- b) The project does not involve alteration of wetlands. No wetland resource areas are located on or adjacent to the project area.
- c) Construction activities will contribute to a localized increase in noise and air emission levels in the project area; however no measurable impacts are anticipated. These increases will cease upon completion of construction activities.
- d) No Federally listed or proposed, threatened and endangered species are known to occur in the project area.
- e) No archeological or historical resources will be affected by this project.

Based on my review and evaluation of the environmental effects as presented in the Environmental Assessment, I have determined that the proposed construction of an addition to the existing MWD Kennel building and the outdoor MWD training area at Hanscom AFB, considering the environmental mitigation, is not a major Federal action significantly affecting the quality of the human environment. Therefore, I have determined that this project is exempt from the requirements of the National Environmental Policy Act of 1969, as amended, to prepare an Environmental Impact Statement.

2/17/2005

Date

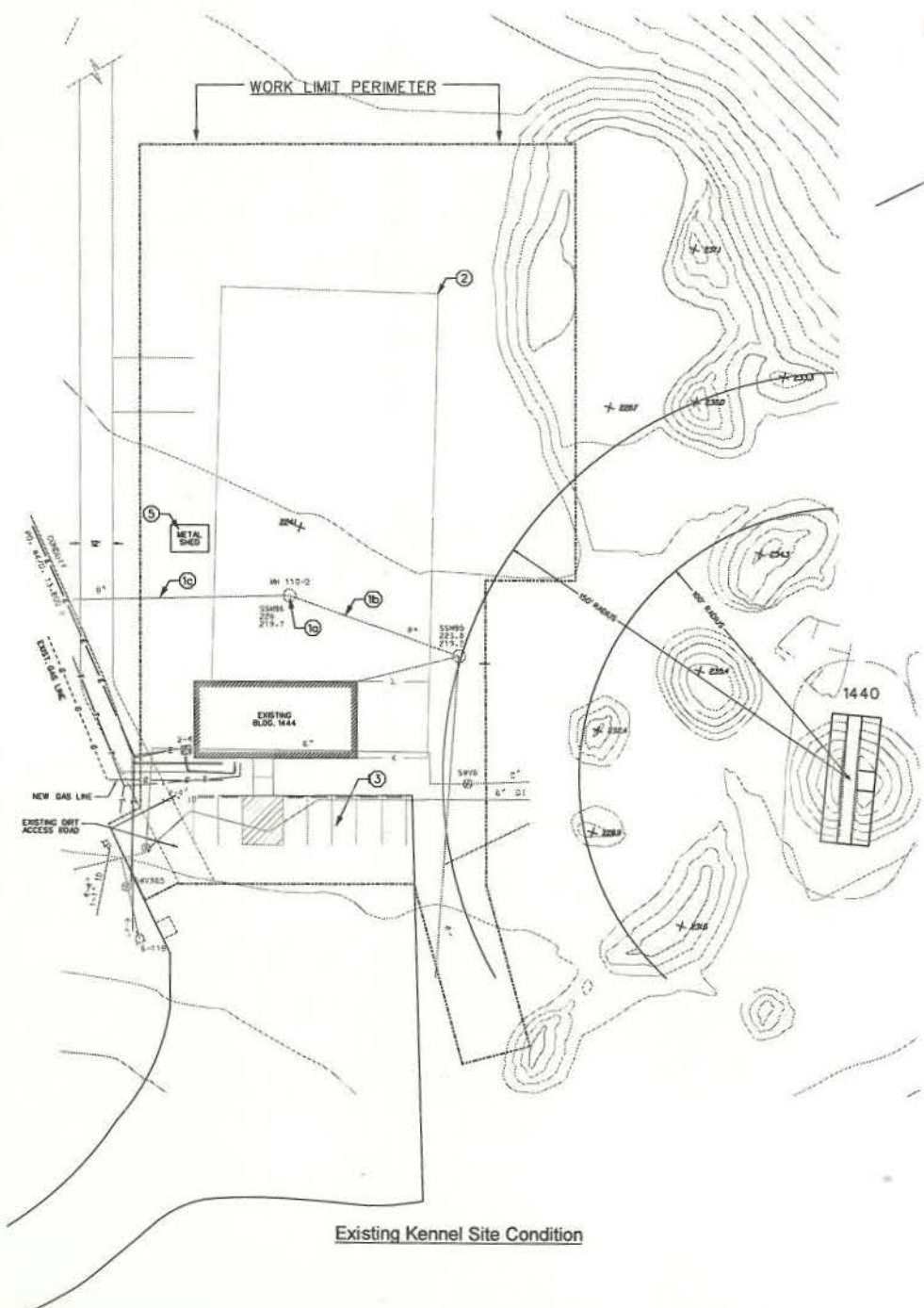


Chris L. Perkins, PE  
Chief, CE Government Organization



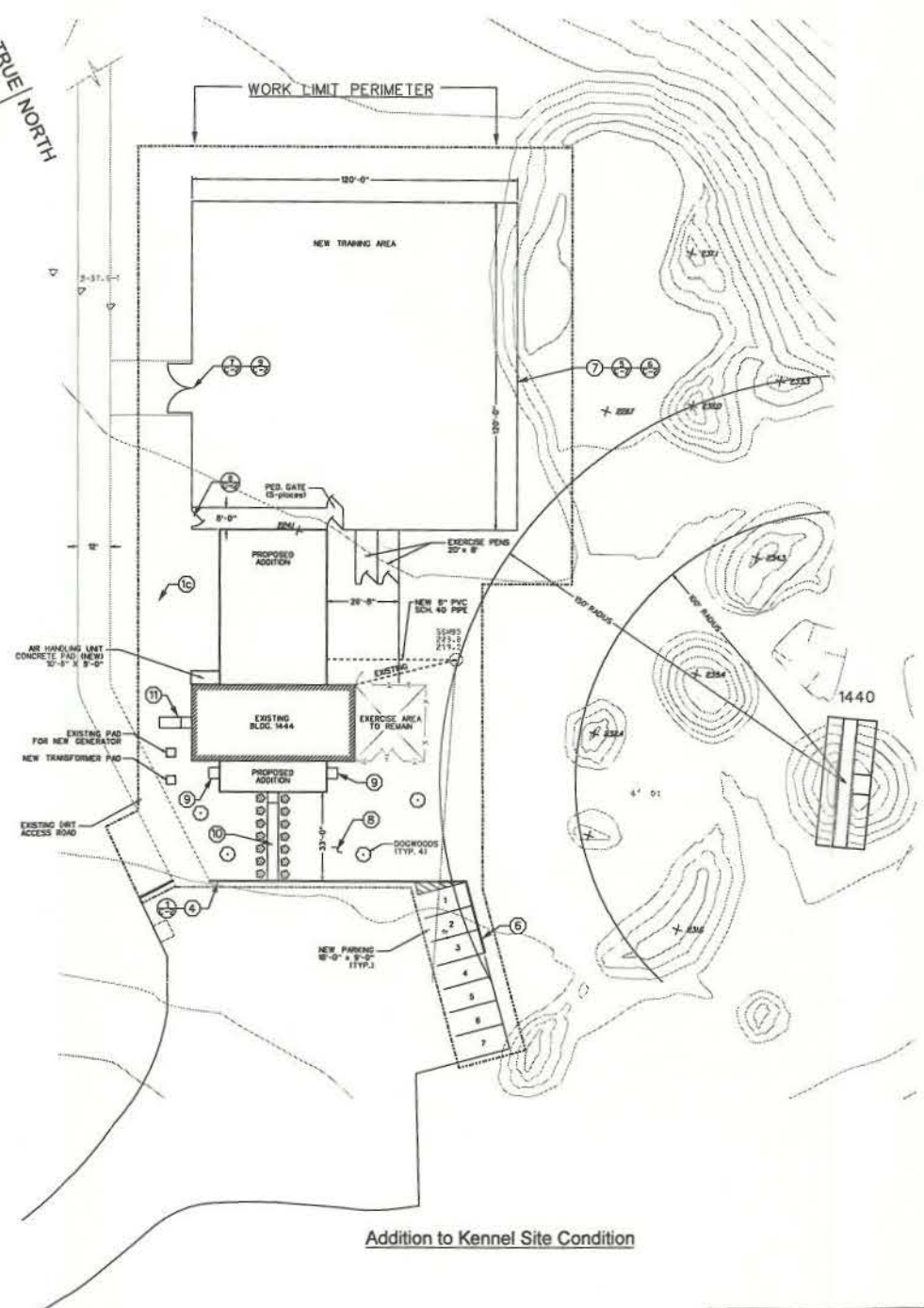
NORTH  
FOR CONSTRUCTION

TRUE NORTH



Existing Kennel Site Condition

**SITE PLAN NOTES**  
 1. REMOVE AND DISPOSE OF SANITARY SEWER MANHOLE SSMH.2.  
 2. REMOVE EXIST 8 INCH SEWER LINE AND CAP AT SANITARY SEWER SSMH.2.



Addition to Kennel Site Condition

**SITE PLAN NOTES CONTINUED**  
 3. NEW FENCE FOR TRAINING AREA PLUS THE EXPANDED EXERCISE AREA AND EXERCISE POND/FENCE DETAILS SHOWN ON SHEET C2.  
 4. THE REMOVED PAVEMENT AREA WILL BE CLEARED OF DEBRIS, GRADED, LOAM

NOTICE TO SUBMITTORS: THE LOCATION AND ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, NOT INCLUDING PERMITTING AUTHORITY, AND "DIP SAFE" AT LEAST 72 HOURS PRIOR TO ANY OBTAINING WORK TO REVEAL EXACT FIELD LOCATION OF UTILITIES. THE ENGINEER SHALL BE ADVISED IN WRITING OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION SHALL BE TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.

13. PROPERTY LINE AND TOPOGRAPHY EXISTING TERRAIN PROVIDED BY HARRY R. FELDMAN, INC. SEE PLAN DATED FEBRUARY 2004.

13. DATUM ASSUMED (SEE EXISTING CONDITIONS PLAN)

14. BENCH MARKS ASSUMED (SEE EXISTING CONDITIONS PLAN)

15. COORDINATE SYSTEM ASSUMED GRID

16. CONSTRUCTION STAKE CONTROL: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCH MARKS NECESSARY TO PERFORM THE WORK.

17. WETLANDS: THERE ARE NO WETLANDS WITHIN THE PROPERTY LIMITS.

2.0. EROSION, SEDIMENTATION, AND FLOOD CONTROL: CUSTOMER'S POLLUTION PREVENTION PLAN.

**LEGEND**

- ① SITE NOTES
- Ⓢ SECTION/DRAWING REFERENCE
- EXISTING WATER
- EXISTING SANITARY SEWER
- - - - - NEW SANITARY SEWER
- EXISTING STORM DRAIN
- EXISTING ELECTRICAL
- NEW NATURAL GAS
- EXISTING STEAM
- ∧ 4" WIDE

REV	DATE	DESCRIPTION	DRAWN	APPROV

DEPARTMENT OF THE AIR FORCE  
 80th SUPPORT GROUP / CECE  
 HANSON AFB, TX 77801