



**U.S. Army BRAC 2005
Environmental Condition of Property Report
SEBILLE MANOR PROPERTY
U.S. Army Garrison Selfridge – Selfridge,
Michigan
September 2006**

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The following lists of acronyms, abbreviations, and definitions are intended to be comprehensive and are contained in this Environmental Condition of Property (ECP) Report.

Acronyms and Abbreviations

Acronym	Full Title
AAFES	Army & Air Force Exchange Service
AAI	All Appropriate Inquiries
ACM	Asbestos Containing Material
ACSIM	Assistant Chief of Staff for Installation Management
AEC	Army Environmental Center
AHERA	Asbestos Hazard Emergency Response Act of 1986
AR	Army Regulations
ARC	Army Reserve Center
ARNG	Army National Guard
ASR	Archive Search Report
ASTM	American Society for Testing and Materials
BCP	DoD BRAC Cleanup Plan Guidebook
BEA	Bureau of Economic Analysis
BEC	BRAC Environmental Coordinator
BIC	Business Initiative Council
BRAC	Base Realignment and Closure
BRACD	Base Realignment and Closure Division
BRS	Biennial Reporting System
CC	Compliance Cleanup
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CIRCLIS	Comprehensive Environmental Response, Compensation Information System
CERFA	Community Environmental Response Facilitation Act
CFR	Code of Federal Regulations
CONSENT	Superfund (CERCLA) Consent Decrees
CWA	Clean Water Act
DOD	U.S. Department of Defense
EA	Environmental Assessment
EBS	Environmental Baseline Survey
ECP	Environmental Condition of Property
EDR	Environmental Data Registry
ERNS	Emergency Response Notification System
ESA	Endangered Species Act
FEMA	Federal Emergency Management Agency
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FINDS	Facility Index System
GO	General Officer
GOMO	General Officer Management Office
GSA	General Services Administration
HQDA	Headquarters Department of Army

Acronym	Full Title
HMIRS	Hazardous Materials Incident Report System
HST LF	Inactive Solid Waste Facilities Database
HUD	U.S. Dept of Housing and Urban Development
ILHC	Interim Lead Hazard Controlls
IMA	Installation Management Agency
INRMP	Integrated National Resources Management Plan
IRP	Installation Restoration Program
LBP	Lead Based Paint
LOMA	Letters of Map Ammendment
LUST	Leaking Underground Storage Tank
LRA	Local Redevelopment Authority
LQG	Large Quantity Generator
MACOM	Major Command
MDEQ	Michigan Department of Environmental Quality
MDLEG	Michigan Department of Labor and Economic Growth
MEC	Munitions Constituents and Explosives of Concern
MIANG	Michigan Army National Guard
MIDNR	Michigan Department of Natural Resources
MLTS	Material Licensing Tracking System
MMRP	Military Munitions Response Program
NEPA	National Environmental Policy Act
NFRRP	CERCLIS No Further Remedial Action Planned
NPEDS	National Pollution Discharge Elimination System
NPL	National Priorities List
NRC	Nuclear Regulatory Commission
NRHP	National Registry of Historic Places
O&M	Operations and Maintenance
PCB	Polychlorinated Biphenyls
pCi/l	picoCuries per liter
PPM	Parts per million
POTW	Publicly Owned Treatment Works
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
REC	Recognized Environmental Condition
REC ₂	Record of Consideration
ROD	Record of Decision
RQ	Reportable Quantity
RSO	Radiation Safety Officer
SHWA	Solid and Hazardous Waste Act
SWF/LF	Solid Waste Facilities Database
TRIS	Toxic Release Inventory System
TSCA	Toxic Substance Control Act
USACHPPM	U.S. Army Center for Health Promotion and Preventative Medicine
USAG-S	U.S. Army Garrison - Selfridge
USEPA	U.S. Environmental Protection Agency
USFW	U.S. Fish and Wildlife
UST/AST	Underground Storage Tank/Above Ground Storage Tanks
TACOM	U.S. Army Tank and Automotive Command

Acronym	Full Title
UXO	Unexploded Ordnance
VSI	Visual Site Inspection
XRF	X-Ray Fluorescence

Definitions

Term	Definition
BRAC Environmental Coordinator (BEC)	An employee assigned to provide work as the lead BRAC environmental coordinator for a wide variety of technical situations and activity operational requirements, directing actions with regard to schedules, priorities, methods, materials, and equipment. The role of the BEC is to provide principle oversight for the Activity Base Commander, Lead Organization, and BRACD regarding all BRAC related environmental programs for the installation.
Closure	All missions of the installation have ceased or have been relocated. All personnel positions (military, civilian and contractor) have either been eliminated or relocated, except for personnel required for care taking, conducting any on-going environmental cleanup, and disposal of the base, or personnel remaining in authorized enclaves. In the context of this document, this may be referred to as “full closure”.
Environmental Baseline Survey (EBS)	A process by which a characterization of the environmental condition of a facility or property is conducted. An EBS is required by the Army for the transfer or acquisition of real property and identifies potential cleanup requirements and liabilities. See definition for Environmental Condition of Property (ECP).
Environmental Condition of Property (ECP)	A management approach for providing efficient and effective development of a comprehensive environmental condition / liability characterization for a facility or property. The ECP process applies industry best practices and standards; provides effective oversight and quality assurance, and unifies the EBS and the (MEC) Archives Search Report steps taken in prior BRAC rounds into a unified effort. The ECP is based on the Initial Site Investigation (ISI) project approved by the Business Initiative Council (BIC). The Army’s ECP Report meets DOD’s ECP Report requirement.
Environmental Condition of Property (ECP) Categories 1-7 definitions	<p>Category 1. Definition: Areas where no release or disposal of hazardous substances or petroleum products has occurred (including no migration of these substances from adjacent areas).</p> <p>Category 2. Definition: Areas where only release or disposal of petroleum products has occurred.</p> <p>Category 3. Definition: Areas where release, disposal, and/or migration of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action.</p> <p>Category 4. Definition: Areas where release, disposal, and/or migration of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken.</p> <p>Category 5. Definition: Areas where release, disposal, and/or migration of hazardous substances has occurred, and removal or remedial actions are under way, but all required remedial actions have not yet been taken.</p> <p>Category 6. Definition: Areas where release, disposal, and/or migration of hazardous substances has occurred, but required actions have not yet been implemented.</p> <p>Category 7. Definition: Areas that are not evaluated or require additional evaluation.</p>
Environmental Professional	EPA’s all appropriate inquiries (AAI) Final Ruling states the definition of an Environmental Professional establishes a balance between the merits

Term	Definition
	<p>of setting a high standard of excellence for the conduct of all appropriate inquiries through the establishment of stringent qualifications for environmental professionals and the need to ensure that experienced and highly competent individuals currently conducting all appropriate inquiries are not displaced. In summary, the definition of environmental professional included in the final rule includes individuals who possess the following qualifications:</p> <ul style="list-style-type: none"> • Hold a current Professional Engineer's or Professional Geologist's license or registration from a state, tribe, or U.S. territory and have the equivalent of three (3) years of full-time relevant experience; or • Be licensed or certified by the federal government, a state, tribe, or U.S. territory to perform environmental inquiries as defined in Sec. 312.21 and have the equivalent of three (3) years of full-time relevant experience; or • Have a Baccalaureate or higher degree from an accredited institution of higher education in science or engineering and the equivalent of five (5) years of full-time relevant experience; or • Have the equivalent of ten (10) years of full-time relevant experience. <p>The definition of “relevant experience” is “participation in the performance of environmental site assessments that may include environmental analyses, investigations, and remediation which involve the understanding of surface and subsurface environmental conditions and the processes used to evaluate these conditions and for which professional judgment was used to develop opinions regarding conditions indicative of releases or threatened releases to the subject property.”</p> <p>The final rule retains the proposed requirement that environmental professionals remain current in their field by participating in continuing education or other activities and be able to demonstrate such efforts.</p>
Excess Real Property	<p>Per AR 405-45, any real property under the control of any Federal agency that the head of the agency determines is not required for agency needs and discharge of the responsibilities of the agency or the installation where the property is located. The excess status is assigned to the real property once a formal report of excess has been processed. Real property that has been determined excess to the Department of the Army must be screened with other Department of Defense elements before it is excess to Department of Defense.</p>
Garrison Commander	<p>Per General Order 4, 22 August 2002, Garrison commanders, on behalf of the regions and the IMA, will have a responsibility to provide a standard level of base support to installation customers listed on the Army Stationing and Installation Plan. The Garrison commander is responsible to ensure that training support and training enabler functions and activities are responsive to the needs of the senior mission commander on the installation in the execution of the senior mission commander's duties.</p>

Term	Definition
Installation	Per AR 405-45, an aggregation of contiguous or near contiguous, common mission-supporting real property holdings under the jurisdiction of or possession controlled by the Department of the Army or by a State, commonwealth, territory, or the District of Columbia, and at which an Army unit or activity (Active, Army Reserve, or Army National Guard) is assigned. An installation is a single site or a grouping of two or more sites for the purposes of real property inventory control. The real property accountability officer is at the installation level.
Installation Commander	Per AR 600-20, the installation commander is normally the senior commander on the installation. In addition to mission functions, the installation commander has overall responsibility for all real estate, facilities, base support operations, and activities on the installation.
Lead Organization	Per the BRAC 2005 Implementation Plan Guidance, the Army organization which will have the lead responsibility for preparation of an installation Implementation Plan. This will generally be the Army organization which has operational control of the installation identified in the BRAC recommendations.
Local Redevelopment Authority (LRA)	Any authority or instrumentality established by State or local government and recognized by the Secretary of Defense, through the Office of Economic Adjustment, as the entity responsible for developing the redevelopment plan with respect to the installation, or for directing implementation of the plan.
Military Installation	Per Section 2910 of Title XXIX, Defense Base Closure and Realignment Act of 1990, as amended, the term "military installation" means a base, camp, post, station, yard, center, homeport facility for any ship, or other activity under the jurisdiction of the Department of Defense, including any leased facility. This term does not include any facility used primarily for civil works, rivers and harbors projects, flood control, or other projects not under the primary jurisdiction or control of the Department of Defense.
Personal Property	According to 41 CFR 102-36.40, personal property is defined as: "Any property except real property. The term excludes records of the Federal Government, and naval vessels of the following categories: battleships, cruisers, aircraft carriers, destroyers, and submarines. "Related personal property" means any personal property that is an integral part of real property. It is: Related to, designated for or specifically adapted to the functional capacity of the real property and removal of this personal property would significantly diminish the economic value of the real property, or Determined by the Administrator of General Services to be related to the real property.
Real Property	AR 405-90: Real property consists of lands and improvements to land, buildings, and structures, including improvements and additions, and utilities. It includes equipment affixed and built into the facility as an integral part of the facility (such as heating systems), but not movable equipment (such as plant equipment). In many instances, this term is synonymous with 'real estate'
Realignment	Any action that both reduces and relocates functions and DoD civilian personnel positions, but does not include a reduction in force resulting from workload adjustments, reduced personnel or funding levels, skill imbalances, or other similar cause. A realignment may terminate the DoD requirement for the land and facilities on part of an installation. That

Term	Definition
Senior Mission Commander	part of the installation shall be treated as “closed”, and in the context of this document referred to as a “partial closure”. The Senior Mission Commander is a General Officer (G.O.) with command oversight of one or more non-G.O. Installation Commanders. The Senior Mission Commander conveys MACOM mission priorities to the Installation Commander, and provides executive oversight and communicates installation management priorities not established by HQDA or IMA to the Installation Commander and Garrison Commander. Senior Mission Commanders' orders from the General Officer Management Office (GOMO) will specify the installations for which they will serve as SMC.

1 Executive Summary

This Environmental Condition of Property (ECP) report is intended to document reliable information regarding the environmental condition of 103 acres of real property that constitutes the U.S. Army-Garrison-Selfridge (USAG-S) Seville Manor to determine the property's suitability for outgrant or transfer in substantial compliance with American Society for Testing and Materials (ASTM) Standard Practice D-6008-96 and in accordance with U.S. Army Regulation (AR) 200-1, Environmental Protection and Enhancement. Seville Manor is an active military housing complex containing 352 housing units as part of 240 permanent structures including single-family and duplex units. In addition to residential housing units, the property also contains a youth center.

This ECP recommends that 103 acres of USAG-S constituting Seville Manor can be identified as Uncontaminated Property based on investigation of the real property described herein. The investigation does not find obvious presence or likely presence of a release or threatened release of any hazardous substance or any petroleum product or its derivatives, including aviation fuel and motor oil, on the real property (CERCLA, 120(h)). This identification of Uncontaminated Property is based on a review of information concerning the current and previous uses of the real property as reported in the 2004 Environmental Baseline Survey (EBS) (**Tetra Tech, 2004**) and this ECP. In 2004, the USAG-S completed an EBS for Seville Manor and the results of the EBS have been used where appropriate and updated accordingly in this ECP document.

2 Purpose

The purpose of the ECP is to document the environmental condition of the Seville Manor Housing Area, which is a part of the U.S. Army Garrison – Selfridge (USAG-S). This is achieved by:

Identifying, characterizing, and documenting the obviousness of the presence or likely presence of a release or threatened release of a hazardous substance or petroleum product associated with the property's historical and current use.

Identifying, characterizing, and documenting the obviousness of the presence or likely presence of a release or threatened release of a hazardous substance or petroleum product from an adjacent property that is likely to cause or contribute to contamination of Seville Manor.

2.1 General

The ECP meets the DoD requirement to prepare an ECP Report. The ECP was performed to collect reliable information regarding the environmental condition of Seville Manor to determine the property's suitability for outgrant or transfer, and to meet the U.S. Army Regulation (AR) 200-1, Environmental Protection and Enhancement. The information gathered during this assessment will also be used with the objective of assisting the U.S. Army (Army), the General Services Administration (GSA), and the purchaser in making informed business decisions about the transfer of the property by reducing uncertainty regarding its environmental condition.

The Army prepares an ECP for the following purposes:

- Identify, characterize and document the presence or likely presence of a release or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property associated with the historical and current use of the installation.
- Identify, characterize and document the release or possible release of any hazardous substances or petroleum products from an adjacent property that would likely cause or contribute to contamination at the installation.
- Provide a basis for determining if the property is suitable for transfer, lease, or assignment.
- Provide information to satisfy legal requirements including:
 - Notification requirements under §120(h)(1) and (3)(A)(i) of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and state or local real property transfer requirements;
 - Uncontaminated parcel identification requirements of Section 120(h)(4) of CERCLA; and
 - State or local real property transfer requirements that are applicable to the federal government and the transaction.
- Provide a commercially acceptable level of environmental information necessary to facilitate the divestiture of the property.

The ECP contains the information required to comply with the provisions of 40 CFR, Part 373 that require a notice accompany contracts for the sale of, and deeds entered into for the transfer of, federal property on which hazardous substances may have been stored, released or disposed of. CERCLA §120(h) stipulates that a notice is required if certain quantities of designated hazardous substances have been stored on the property for one year or more—specifically, quantities exceeding (1) 1,000 kilograms or the reportable quantity (RQ), whichever is greater, of the substances specified in 40 CFR 302.4, or (2) 1 kilogram of acutely hazardous waste as defined in 40 CFR 261.30. A notice is also required if hazardous substances have been disposed of or released on the property in an amount greater than or equal to the RQ. AR 200-1 requires that an ECP address asbestos, lead-based paint, radon and other substances potentially hazardous to health.

This ECP was performed in substantial compliance with American Society for Testing and Materials (ASTM) Standard Practice D-6008-96. Although many of the ECP development activities may be considered “due diligence” functions, the ECP Report is not prepared to satisfy a real property purchaser's duty to conduct an “appropriate

inquiry” to establish an “innocent purchaser defense” to CERCLA 107 liability. Any such use of the ECP by any party is outside the control of the United States Army and beyond the scope of the ECP. The United States Army, its officers, employees or contractors make no warranties or representations that any ECP Report satisfies any such requirements for any party.

2.2 Scope

The scope of work for this ECP included the review of existing site environmental documents, including federal and state records, and aerial photographs. In 2004, the USAG-S completed an EBS for Seville Manor and the results of the EBS have been used where appropriate and updated accordingly in this ECP document (**Tetra Tech, 2004**). As part of the 2004 EBS, a site visit, which included visual inspections and employee interviews, was conducted and the information obtained has been included in this ECP. Additionally, reasonably obtainable federal, state, and local government records for adjacent properties were reviewed in the EBS and have been referenced and in some cases included in the ECP as Appendices. This ECP report describes the environmental condition of the property and will be used to support determination of the suitability to transfer or lease.

2.3 Assumptions

To comply with the requirements in AR 200-1 and ASTM Standards, this ECP Report was prepared to permit formulation of an opinion of the environmental condition of the USAG-S/Seville Manor Property. Opinions on the environmental conditions at the site are based on information from the site reconnaissance, interviews, and collection and review of readily available information. New information or changes in property use could require a review and possible modification of the findings and conclusions contained in this report.

The information obtained from the Army, the Army’s representatives, individuals interviewed and prior environmental reports is considered to be accurate unless our reasonable inquiries indicated otherwise.

2.4 Limitations

Although this investigation was performed professionally, no investigation may be considered so comprehensive as to guarantee complete information regarding the possible presence of materials on the site that currently or in the future may be considered hazardous. The conclusions presented in this ECP Report are based on information that was reasonably available from the designated site contacts and other public sources at the time the ECP was conducted. In addition, information obtained from the 2004 EBS including records review and interviews has been assumed to be correct and complete, unless contradictory information was obtained through other sources.

2.5 Report Organization

The remainder of the ECP is organized as follows:

Section 3 - Survey Methodology: This section provides a description of the data collection methods employed and describes the methodology used for the 2004 EBS which has been used and updated as a significant source of information for this document.

Section 4 – Property Description: This section provides the installation location and description, background of the installation, including existing environmental conditions, historic and current land use, and facility history, including the operational history, and occupancy history; the environmental setting, including climate, topography, geology and demography; the biological and cultural resources summary; and a description of the installation utilities, including water, industrial/sanitary sewer systems, stormwater system, and the electrical system.

Section 5 – Environmental Conditions: This section provides the existing environmental information and also includes information on biological resources, cultural resources, including; historic, archeological, buildings, and related consultations.

Section 6 - Conclusions:

Section 7 - References: Provides an inventory of the reference material used in the preparation of this ECP Report. The appendixes are arranged as follows:

Appendix A: List of Parcels and Buildings

Appendix B: Methodology and Data Record: Title Information, EDR Report, Sanborn Fire Insurance Maps, Aerial Photos.

Appendix C: Site Maps and Figures

3 Survey Methodology

In 2004, the U.S. Army Garrison-Selfridge (USAG-S) completed an EBS for Seville Manor on Sugarbush Road in Chesterfield Township, Macomb County, Michigan (**Tetra Tech, 2004**). The results of the EBS have been used where appropriate and updated accordingly in this ECP document.

3.1 Development of Study Sections

The purpose of the EBS was to evaluate the Seville Manor property for indications of recognized environmental conditions (REC) that may be present. The EBS was conducted in general conformance with the scope and limitations of the ASTM Standard Practice for Conducting Environmental Baseline Surveys, (D 6008-96), ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Army regulations, and Army technical guideline DA PAM 200-1. ASTM defines REC as follows: “The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release or a material threat of a release of any hazardous substances or petroleum

products into structures on the property or into the ground, groundwater or surface water of the property. The term includes hazardous substances or petroleum products even under conditions of storage and use in compliance with local and state regulations. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of regulatory governmental agencies.” (Tetra Tech, 2004)

3.2 Visual Site Inspection

As part of the 2004 EBS for Seville Manor, the contractor conducted a site reconnaissance of the property on October 20 and 21, 2003 (Tetra Tech, 2004). The site reconnaissance consisted of entering approximately 10 % of the individual housing units and evaluating the units for potential indications of RECs.

3.3 Aerial Photography Analysis

Aerial photographs for the years 1940, 1955, 1964, 1973, 1985, 1993, and 2000 were obtained as part of the 2004 EBS (Tetra Tech, 2004). The observations made during the review are summarized below and the aerial photographs are included in **Appendix B**. Note that each aerial photograph in Appendix B contains an identification sheet preceding each photograph.

1940 Aerial Photograph, Scale 1 inch = 555.6 feet

The 1940 aerial photograph shows the site as being undeveloped. Seville Manor is not shown. Sugarbush Road has been constructed along the southeastern boundary of the site. Cotton Road has been constructed to the southwest of the site. Several residences are present northwest of the site. Several farms are present along Sugarbush Road and Cotton Road. There appears to be exposed soil near the center of the photograph.

1955 Aerial Photograph, Scale 1 inch = 555.6 feet

In the 1955 aerial photograph, the majority of the site and its vicinity appear the same. Some additional residences have been built. The exposed area in the 1940 photograph appears to have been expanded.

1964 Aerial Photograph, Scale 1 inch = 555.6 feet

In the 1964 aerial photograph, the residences and roads associated with Seville Manor are present. Dean A. Naldrett Elementary School has been built southeast of the site, along Sugarbush Road. All other areas appear the same.

1973 Aerial Photograph, Scale 1 inch = 606.1 feet

In the 1973 aerial photograph, additional residences have been built to the southwest and southeast of the site. The elementary school near the site has expanded. All other areas appeared the same.

1985 Aerial Photograph, Scale 1 inch = 666.7 feet

In the 1985 aerial photograph, additional residences have been built north, east, south, and west of the site.

1993 Aerial Photograph, Scale 1"=606.1'

In the 1993 aerial photograph, additional residences have been built to the north of the site. All other areas appear the same.

2000 Aerial Photograph, Scale 1"=666.7'

In the 2000 aerial photograph, additional residences have been built to the north and south of the site. All other areas appear the same.

3.4 Records Review

2004 EBS Records Review: As part of the 2004 EBS, Environmental Data Resources (EDR) Inc. provided a listing of governmental information pertaining to potential and documented environmental impacts to the site. The complete EDR data base report from the 2004 EBS report (October 23, 2003) is provided in **Appendix B**. A listing of the files queried includes the following:

National Priorities List (NPL)

Proposed NPL

Deleted NPL

NPL Liens

Resource Conservation and Recovery Information System (RCRIS)

Biennial Reporting System (BRS)

Superfund (CERLA) Consent Decrees (CONSENT)

Records of Decision (ROD)

Department of Defense Sites (DOD)

U.S. Brownsfields

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)

CERCLIS No Further Remedial Action Planned (NFRAP)

Resource Conservation and Recovery Act (RCRA) Administration Action Tracking System (RAATS)

Emergency Response Notification System (ERNS)

RCRA Corrective Action Activity (CORRACTS)

Hazardous Materials Incident Report System (HMIRS)

Toxic Release Inventory System (TRIS)

Polychlorinated Biphenyls (PCB) Activity Database Sites (PADS)

Facility Index System (FINDS)

Material Licensing Tracking System (MLTS)
Mines Master Index File (MINES)
Toxic Substances Control Act (TSCA)
Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)/TSCA Tracking System (FTTS)
Aboveground Tank Database (AST)
State Hazardous Waste Sites (SHWS)
Solid Waste Facilities Database (SWF/LF)
LUST Sites (LUST)
UST Facility List (UST)
Baseline Environmental Assessment Database (BEA)
USTs on Indian Land (Indian UST)
Inactive Solid Waste Facilities (HST LF)
Deleted List of Contaminated Sites (DEL SHWS)

3.4.1 Additional Record Sources

Other sources of records for information not included in the 2004 EBS are USAG-S Environmental Management Division reports as follows:

- Draft Multi-Family Lead Inspection and Risk Assessment for Seville Housing Units, TECOM, Inc, Dates of Inspection December 2004 to March 2005, **(USAG-S,c, 2006)**.
- Draft Asbestos Inspection Report for Seville Manor Housing, TECOM, Inc, Dates of Inspection April 2005 to May 2006, **(USAG-S,b, 2006)**
- Preventive Maintenance Inspection at Seville Manor, Transformer Inspection Retrofill Corporation for TECOM, Inc, April 10 to April 18, 2006, **(USAG-S,a, 2006)**
- AMSTA-QRA, Memo for C, Facilities Management Branch (AMSTA-XEM), Subj: Analysis of ATM Radon Samples, 17-Dec-1991, **(AMSTA-QRA, 1991)**.

3.5 Interviews

Personnel Interviews 2004 EBS: Interviews were conducted with USAG-S personnel as part of the 2004 EBS **(Tetra Tech, 2004)**. This information from the 2004 EBS is summarized below:

Mr. Ron Wesley, Director of Base Operations, has been working at USAG-S for approximately 20 years. He stated October 20, 2003, that he was not aware of any spills or other environmental issues at Seville Manor in the past. He believed the site property was purchased by the U.S. Air Force in the 1950s, was developed in 1960s, and had been used for residential purposes since it was developed. Seville Manor was

transferred from the Air Force to the Army in 1988. Prior to the 1950s, the site was privately owned and used for farming.

Former base operations contractor Mr. Mike Czenkus had conducted maintenance at the base, for over 20 years. He is familiar with maintenance at Seville Manor. He stated October 21, 2003 that three units had geothermal heaters/coolers installed by DTE Energy as a pilot study. The residences discharge their wastewater to the Chesterfield Township wastewater treatment facility.

Mr. Soheil Ghevami, MDEQ HST LF, was interviewed on February 12, 2004. Mr. Ghevami stated that the Sugarbush Dump site located ½ mile north of Seville (EPA ID# MID981093933) is contaminated. The site continues to contain hazardous waste including arsenic, chromium, 4,4-DDT, and 4,4-DDE (**location presented in Figure 2 of Appendix C**).

The Sugarbush Dump was a private facility located approximately ½ mile north of Seville Manor (also see Paragraph 5.16, Adjacent Properties, for additional discussion of the Sugarbush Dump site). As stated in the EBS, the Sugarbush Dump site is not considered to be a recognized environmental concern for Seville Manor.

Mr. Mohammad Arif, the Air National Guard environmental coordinator at the Selfridge Air National Guard Base since 1992, was interviewed via telephone on October 2, 2003 regarding environmental activities conducted on the base. He stated that the Main Garrison Air National Guard operations are considered a RCRA Large Quantity Generator (LQG) due to aircraft maintenance operations. Wastes accumulated by the Air National Guard operations include used oil, antifreeze, paint waste, and solvents, which are sent off site for proper disposal and/or recycling.

4 Property Description

4.1 Installation Location and Description

Seville Manor covers 103 acres and is a housing area which is part of the USAG-S. Maps showing the general location of Seville Manor are provided in **Figures 1 to 3 in Appendix C**. Seville Manor is non contiguous with the main Garrison property and is located approximately 3 miles northeast of the Garrison and northwest of Anchor Bay of Lake St. Clair. The Seville Manor housing area lies within Chesterfield Township.

Seville Manor currently has 352 housing units as part of 240 permanent structures including single-family and duplex units. According to property records, some units were demolished over the years and debris was sent off-site to construction and debris landfills. Floor plans for housing types are provided in **Figures 4 to 9 in Appendix C**.

In addition to residential housing units, the site also contains trees, landscaped areas, play grounds, a youth center, a water tower, and the Sutherland Oemig Drain. Properties and features directly adjacent to Seville Manor include the Donner Meadows condominium community, Stonehenge condominiums, and Donner Road to the west; Sugar Creek Drive and Sugar Creek Estates residential area to the north; Sugarbush Road, Dean A. Naldrett Elementary School, and a residential area to the east; and Iris

Road and Iris condominiums and residential area to the south. Anchor Bay, which is a part of Lake St. Clair, is approximately 3/4-mile southeast of the property.

Sparse trees and landscaped areas surround the housing units on site. The Sutherland Oemig Drain runs from northeast to southwest through the northeast edge of the site. The topography of the site is relatively flat with a gradual slope towards Lake St. Clair.

The title search conducted as part of the 2004 EBS identified the following legal description for the Seville Manor site parcel:

A parcel of land commencing at the northeast corner of Private Claim No. 192, Township 3 North, Range 14 east, Michigan Meridian, Chesterfield Township, Macomb County, Michigan; thence along northwest line of said Private Claim No. 192, as follows: S 49°04'54"W 1872.5 feet; thence S 49°43'00"W 1794.24; thence S 49°21'34"W 543.9 feet, passing from Private Claim No. 192 into Private Claim No. 193 to the point of beginning, said point being the most northern corner of Tract "A"; thence with the common boundary to lands now or formerly owned by Matilda Matejick and lands of said Tract "A", as follows: S 40°21'13" E 1466.05 feet; thence S 49°21'34" W 16.17 feet; thence S 40°21'13" E 317 feet to a point in the center of Sugarbush Road, said point being the most eastern corner of said Tract "A"; thence along Sugarbush Road and continuing with the boundary of said Tract "A" as follows: S 18°48'47" W 1499.91 feet; thence S 52°09'15" W 499.30 feet to a point; thence leaving said center of Sugarbush Road, and continuing with said boundary of Tract "A" N 39°54'00" W 33.02 feet to a point on the northwest right-of-way line of Sugarbush Road; thence with said right-of-way line and continuing with said boundary of Tract "A" S 52°03'30" W 239.4 feet to a point being the most southern corner of said Tract "A"; thence leaving said right-of-way line and with the southwest boundary of said Tract "A", as follows: N 40°03'07" W 1766.48 feet to a point on the centerline of the Sutherland and Oemig Drain; thence along the center of said drain N 57°30'39" E 221.15 feet, to a point; thence N 40°27'00" E 25 feet to a point; thence leaving said center line of drain, and continuing with said southwest boundary of Tract "A" N 39°54'00" W 735.98 feet to a point in the center of Donner Road, and being on the northwest line of Private Claim No. 193, said point being the most western corner of said Tract "A"; thence with the center of Donner Road and the northwest boundary of said Tract "A" N 48°59'00" E 287.5 feet to a point being the intersection of the southeast corner of Fractional Section 20, the southwest corner of Fractional Section 21, and the most northeast corner of Private Claim No. 145, with said northwest line of Private Claim No. 193; thence continuing with said northwest line of Private Claim 193 and Tract "A" N 49°21'34" E 1495.5 feet to the point of beginning, containing 102.69 acres, more or less.

4.2 Historic Land Use

In June 1959, three parcels comprising a total of 103 acres were obtained for the construction of the Seville Manor housing area. Prior to the 1950s, the site was used for farming and previous site property owners included Edward and Matilda Matejick,

George and Sylvia Meldrum, and Carl and Margaret Hauswirth. The title information obtained as part of the 2004 EBS is provided in **Appendix B**.

4.3 Facility History

USAG-S mission is a subordinate command of the U.S. Army Installation Management Agency (IMA), Northwest Region Office. The USAG-S is a government-owned, government operated facility. Operation of the garrison has largely been privatized over the last 20 years to include base operation and administrative support services.

The last of the postwar housing projects, Seville Manor was constructed from 1959 to 1961 under the “Capehart” program. Currently Seville Manor has 352 housing units as part of 240 permanent structures including single-family and duplex units. According to property records, some units were demolished over the years and debris was sent off-site to construction and debris landfills. Floor plans for housing types are provided in **Figures 4 to 9** in **Appendix C**.

According to a title provided by the Army and a title search performed as part of the 2004 EBS (**See Appendix B**), the U. S. government purchased the site parcel in 1959 under a declaration of taking filed as Civil No. 19175. The site parcel was then permitted by the Air Force in a 55-year agreement with the “Air Force No. Two”, as “Mortgagor-Builder.” The property was licensed by the U.S. Air Force to the Michigan Air National Guard. In February 1989 the property was transferred from the U.S. Property and Fiscal Office for Michigan to the U.S. Army Tank Automotive Command which became, in part, USAG-S.

4.3.1 Operational History

Since 1959 Seville Manor has been used for Department of Defense personnel housing only. No other Army related operational uses have been documented for this area.

4.3.2 Occupancy, Lease and Easement History

Since construction Seville Manor has been a military housing area in support of the installation. Seville Manor property has never been leased for other private use. The maintenance and grounds keeping support of the housing area and Youth Center was from the installation. The maintenance shops and materials were all located on the installation not at Seville. There were no maintenance shops, equipment, supplies, or chemicals located or stored at Seville Manor.

The Environmental Baseline Survey identified title documents prior to the property acquisition by the Department of Defense. Those title documents identify an easement for the Sutherland Oemig drain. However, the Louisville USACE Real Estate Office has no recorded easements for the Seville Manor property. The Sutherland Oemig drains runs roughly northeast-southwest across the property separating the northern quarter of the property from the remainder. The drain is surrounded by a chain link fence and receives runoff from the surrounding areas.

4.3.3 Range Operations

Based on the findings of a 2006 Historical Records Review report there were no historical ranges or evidence that this area ever was used for military range activities (USACE, 2006).

4.4 Installation Utilities (Historic and Current)

4.4.1 Water Systems

4.4.1.1 Potable Water Production

Seville Manor is supplied potable water from the Selfridge Air National Guard Base distribution system. The water main connects directly to the installation with approximately 3 miles of 3" transite main leading to the Seville Manor property. Transite is a composite material made of 12-50% asbestos and cement. A water tower at Seville Manor is used to maintain pressure during water use surges. The water supply originates at the City of Mt. Clemens Water Treatment Plant with source intake from Lake St. Clair. Mt. Clemens provides all the potable water to the geographic area but also has an emergency agreement and connection with the Detroit Water and Sewer Department.

The service lines within Seville Manor have not been sampled or surveyed for transite pipe. However, as new fire hydrants and leads were installed, transite pipe was observed. Over the years approximately 10% of the system has been replaced with non-transite pipe. It is reasonable to expect the remaining site potable mains and leads are constructed of transite

Water consumption is typical of residential areas and is dependent on housing population. A general summary of annual water consumption compiled from utility invoice records is as follows:

Table 4.4-1, Annual Water Consumption at Seville Manor

	FY05	FY04	FY03	FY02	FY01
1000 GAL	26,263	30,625	32,674	36,917	38,730

4.4.2 Industrial and Sanitary Sewers and Treatment Plants

Seville Manor sanitary force mains currently connect to Chesterfield Township and are metered. Originally a force main carried the sewage 3 miles to the USAG-S base which at one time operated its own waste water treatment plant. The Army severed the sewer connection to the base at both ends in 1986 and the old sewer is abandoned in place. The abandoned sanitary main is constructed of transite pipe.

Seville Manor sanitary sewers are now connected to the wastewater collection and treatment system of the Detroit publicly owned treatment works (POTW). The POTW is not designed to treat non-domestic waste (**Parsons ES, 2001g**).

The Seville Manor lift station was installed by the Department of Defense and is maintained by the 127th ANG. There is a meter located in a manhole downstream of the lift station. Within Seville Manor the sanitary service lines leading to the lift station are gravity fed.

In 2005 the USAG-S conducted an illicit connection survey of both the sanitary and storm sewers at Seville Manor. The investigation included review of maps and as-built drawings; visual inspection of ditches, manholes, inlets, outfalls; dye and smoke testing of the storm sewer; water quality sampling; and televising of the system as necessary. The purpose was to ensure no direct illicit connections between the sanitary and the storm sewers. The intent was not to assess the condition or composition of the mains. No direct illicit connections were found. However, it is known during rainfall events that the Seville Manor lift station consistently gives a high water alarm. Storm water intrusion is likely but the source has not been identified.

Table 4.4-2, Sanitary Sewage Treatment System

Name (Site ID)	Location	Peak Monthly Outflow/Treated (MG per month)	Maximum Peak Daily Outflow/Treated Million Gallons per day	Permitted Daily Treatment/Processing Capacity Million Gallons	Maximum daily treatment/processing capacity (Design) Million G
Seville Manor-OFF SITE	Off Military Installation Publicly Owned Plant	3.36	0.11	0.57	0.57

4.4.3 Stormwater System

Seville Manor storm sewers feed into the Sutherland Oemig Drain which flows northeast to southwest through the northern portion of the housing area. The Oemig Drain also carries flows from upstream and adjacent properties

Seville Manor is an Army nested jurisdiction under the Chesterfield Township Municipal Separate Storm Sewer (MS4) permit. The Army storm water MS4 permit coverage will terminate with the disposition of the property.

An illicit connection survey conducted by USAG-S in 2005 did not identify any direct connections between the storm and sanitary sewers.

4.4.4 Electrical System

Electric power is the sole energy source for the residences at Seville Manor. The electric heating units do not have mercury thermostats. Seville Manor is provided electricity by DTE Energy Co. Power consumption is typical of residential areas and is dependent on housing population. A general summary of annual electricity use compiled from utility invoice records is provided in **Table 4.4-3**.

Table 4.4-3, Annual Electricity Use at Seville Manor

	FY05	FY04	FY03	FY02	FY01
KWH	9,992,308	12,158,376	12,067,598	11,549,226	12,237,459

4.4.5 Natural Gas

None of the residences at Seville Manor are serviced with natural gas. The Youth Center is serviced with natural gas.

4.5 Environmental Setting – Natural and Physical Environment

4.5.1 Climate

The climate of southeastern Michigan is classified as humid-continental to semi-marine. It is dominated by continental polar air masses in the winter and tropical air masses in the summer. Intensely contrasting seasonal temperature changes, highly variable weather, and abundant precipitation throughout the year result from the interaction of these air masses along with cold fronts associated with east-moving cyclones **(OTC, 1997)**.

Climatic data from the National Oceanic and Atmospheric Administration's National Climatic Data Center show that the 30-year mean annual temperature is 48.0 degrees Fahrenheit (°F.). The 30-year mean daily maximum is 56.4 °F., and the 30-year mean daily minimum is 39.5 °F. Precipitation patterns in the area tend to be distributed relatively evenly with the highest rains falling from April to September. Precipitation data from the NCC show that the 30-year mean annual rainfall is 28.18 inches and the 30-year mean annual snowfall is 34.3 inches. Prevailing winds are typically from the southwest **(Michigan State Climatologist's Office, 2002)**.

4.5.2 Topography

According to the U.S. Geological Survey 7.5-minute topographic map series, specifically, the New Haven, Michigan quadrangle, 1983, the site is located at an elevation of approximately 587 feet above mean sea level. The land surface is generally flat with a gradual slope towards Lake St. Clair.

4.5.3 Surface Water Hydrology

The only surface water feature on the property is a small stream referred to as the Sutherland Oemig Drain which runs roughly northeast-southwest separating the northern quarter of the property from the rest. The stream is surrounded by a chain link fence and with the exception of storm events the drain usually contains only several inches of running water. The Sutherland Oemig Drain is a Macomb County drain and receives upstream and adjacent property runoff as well as runoff from Seville Manor.

4.5.3.1 Wetlands

According to the EDR report (**See Appendix B –EDR Overview and Detail Map**) there is a small area identified as a Federal Wetland located on the northeast corner of the Seville Manor property. However based on recent visual observations by USAG-S this area shows no signs of standing water and consists of a paved parking area and is the location of the guard house. Other wetlands not located on Seville Manor are present to the north of the property and their location is shown on the EDR maps in Appendix B.

4.5.3.2 Floodplains

On maps dated 1978, the 100-year and 500-year flood zones are shown and are centered along the Sutherland Oemig Drain. On the 1978 map the western portion of Seville Manor was shown to lie within a 500-year flood plain. The Sutherland Oemig Drain, which crosses the northwest portion of the site, was located in a 100-year flood plain. These flood zones covered approximately one-third of the housing area (**FEMA, 1978**).

Since 1978, Letters of Map Amendment (LOMA) have been submitted to FEMA for nearby properties. Additionally, the Macomb County 2005 Hazard Mitigation Plan states that Seville Manor is not considered in the flood zone because of upstream improvements to the Oemig drain. Flood plain maps are available at the Chesterfield Township Engineering Office and through FEMA under the reference of Clover Estates LOMA Case #99-05-147P dated October 1999, and LOMA Case #97-05-187P dated December 1997 (**Macomb, 2005**).

4.5.4 Geology

The state of Michigan is situated within the Central Lowland Physiographic Province of the Interior Plains and its physiography is a result of the Pleistocene glaciation. The glaciated terrain of Macomb County, located in the Eastern Lake Section of the Central Lowland Province, is characterized by maturely dissected and glaciated knolls, lowlands, moraines, lakes, and lacustrine plains (**OTC, 1997**).

The area encompassing Seville Manor lies on top of glacial lakebed deposits of the ancestral Lake St. Clair on the southeastern edge of the Michigan Basin. The basin consists of sedimentary rocks ranging from older Cambrian rocks around the edges to younger Jurassic rocks in the middle of the basin. Beneath the Cambrian rocks are igneous, metamorphic, and sedimentary rocks of Precambrian Age (**OTC, 1997**).

The dominant soil type at Seville Manor is generally a clay loam, and the deeper soils consist of a silty clay loam. There may be relatively shallow bedrock at 5 feet below ground surface. According to the U.S. Department of Agriculture Soil Conservation Service soil survey of Macomb County, Michigan, the Oakville, Selfridge, and Toledo soil groups have been mapped within the site boundary. Oakville series soils are classified as well-drained, level to undulated, and sandy. Selfridge series soils are classified as level to gently sloping, sandy or loamy sands, and somewhat poorly

drained. Toledo series soils are classified as poorly drained clay or silty clay. According to Quaternary Geology of Southern Michigan, (1982), the site area contains deposits mapped as Toledo-Paulding that consists of nearly level, poorly drained soils that have fine textured subsoils on lake plains (**Tetra Tech, 2004**).

4.5.4.1 Hydrogeology

Based on the topography of the site area and its proximity to Lake St. Clair, the local groundwater gradient is interpreted to be to the southeast toward Lake St. Clair. Typically the hydrogeologic gradient follows the topographic gradient, but without groundwater data for the site, the exact flow direction of the groundwater cannot be determined. Groundwater levels may fluctuate both seasonally and over longer periods of time in response to the degree of water infiltration into soils. Also, based on the zone of influence of the groundwater well, the groundwater flow direction may vary throughout the immediate area of the site (**Tetra Tech, 2004**).

In the 2004 EBS, EDR (October 2003) reports that one groundwater well and 12 oil or gas wells are located within a 1-mile radius of the site. Water from the groundwater well is likely used for industrial or irrigation purposes because the site and surrounding areas are provided with drinking water by the City of Mt. Clemens. Connections exist to the City of Detroit water system in the event of emergencies. Mt. Clemens obtains drinking water from Lake St. Clair and the City of Detroit obtains drinking water from the Detroit River (**Tetra Tech, 2004**). The nearest Wellhead Protection Area as designated by the MDEQ is the Town of Richmond, located approximately 15 miles north of USAG-S (**MDEQ, 2002**).

4.5.5 Demography and Land Use

The estimated population of Mount Clemens is 17,312 and Macomb County is 788,149 (**Staubach, 2006**).

Land in this area is currently zoned for one or two family residential housing. Land use west of the main base is a mixture of residential, commercial and recreational. Based on the City of Mount Clemens Land Use Plan, future land uses and zoning for the region will be similar to existing conditions. The I-94 Freeway corridor, between Joy Road on the north and the Clinton River to the south is being developed for light industrial purposes. This is due to the fact that Mount Clemens, like many of the cities and villages in Macomb County, is nearing built-out capacity; much of the usable land is now occupied by structures or land uses making it unavailable for future growth. Future zoning and land uses will remain similar to existing conditions because, while there is a strong need for redevelopment, Mount Clemens Land Use Plan encourages the preservation and protection of neighborhoods from intrusion by unplanned non-residential uses.

Land use at Seville Manor consists of residential units and is surrounded primarily by similar residential development. Properties and features directly adjacent to Seville Manor include the Donner Meadows condominium community, Stonehenge condominiums, and Donner Road to the west; Sugar Creek Drive and Sugar Creek

Estates residential area to the north; Sugarbush Road, Dean A. Naldrett Elementary School, and a residential area to the east; and Iris Road and Iris condominiums and residential area to the south. Anchor Bay, which is a part of Lake St. Clair, is approximately 3/4-mile southeast of the property (**Tetra Tech, 2004**).

4.6 Biological and Cultural Resources Summary

4.6.1 Biological Resources and Consultations

USAG-S is not engaged in any consultation or biological opinion for biological resources at Seville Manor. Biological resources at Seville Manor are limited because the area is mostly improved with land use at Seville Manor consisting of residential units. Seville Manor is surrounded primarily by similar residential development. Vegetation is mostly in areas that are landscaped and mowed and much of the natural vegetation has been removed to accommodate housing development in support of the military mission. This suburban habitat provides a corresponding limited diversity of plant and animal species.

4.6.1.1 Endangered Species

Although no federally listed species occur at Seville Manor, several state listed species may potentially occur. The U.S. Fish and Wildlife Service (USFWS) provides a current list of species that are regarded as candidates for possible future listing under the Endangered Species Act (ESA). Candidate species do not receive statutory protection under the ESA, however, the USFWS considers it important to alert government agencies, private industry, and the general public that these species are at risk and may in the near future warrant protection under the Act. Michigan state-listed species are protected under the Natural Resources and Environmental Protection Act (Act 451), which is enforced through the Michigan Department of Natural Resources (MIDNR). The potentially occurring threatened and endangered species at Seville Manor are listed in the following Table 4.6-1.

Table 4.6-1, State Endangered and Candidate Species

Scientific Name	Common Name	Type	Federal Status	State Status
<i>Myotis sodalis</i>	Indiana bat	Bat	LE	E
<i>Accipiter cooperii</i>	Cooper's Hawk	Bird		SC
<i>Asio otus</i>	Long-eared Owl	Bird		T
<i>Buteo lineatus</i>	Red-shouldered Hawk	Bird		T
<i>Chlidonias niger</i>	Black Tern	Bird		SC
<i>Circus cyaneus</i>	Northern Harrier	Bird		SC
<i>Nycticorax nycticorax</i>	Black-crowned Night-heron	Bird		SC
<i>Rallus elegans</i>	King Rail	Bird		E
<i>Sterna forsteri</i>	Forster's Tern	Bird		SC
<i>Sterna hirundo</i>	Common Tern	Bird		T
<i>Acipenser fulvescens</i>	Lake Sturgeon	Fish		T
<i>Ammocrypta pellucida</i>	Eastern Sand Darter	Fish		T
<i>Hiodon tergisus</i>	Mooneye	Fish		T
<i>Macrhybopsis storeriana</i>	Silver Chub	Fish		SC

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<u>Scientific Name</u>	<u>Common Name</u>	<u>Type</u>	<u>Federal Status</u>	<u>State Status</u>
<i>Notropis anogenus</i>	Pugnose Shiner	Fish		SC
<i>Noturus miurus</i>	Brindled Madtom	Fish		SC
<i>Percina copelandi</i>	Channel Darter	Fish		E
<i>Percina shumardi</i>	River Darter	Fish		E
<i>Alasmidonta marginata</i>	Elktoe	Invertebrate		SC
<i>Alasmidonta viridis</i>	Slippershell Mussel	Invertebrate		SC
<i>Lampsilis fasciola</i>	Wavy-rayed Lampmussel	Invertebrate		T
<i>Nicrophorus americanus</i>	American Burying Beetle	Invertebrate		E
<i>Obovaria olivaria</i>	Hickorynut	Invertebrate		SC
<i>Obovaria subrotunda</i>	Round Hickorynut	Invertebrate		E
<i>Pleurobema coccineum</i>	Round Pigtoe	Invertebrate		SC
<i>Villosa fabalis</i>	Rayed bean	Invertebrate	C	SC
<i>Villosa iris</i>	Rainbow	Invertebrate		SC
<i>Clemmys guttata</i>	Spotted Turtle	Reptile		T
<i>Elaphe vulpina gloydi</i>	Eastern Fox Snake	Reptile		T
<i>Sistrurus catenatus catenatus</i>	Eastern Massasauga	Reptile	C	SC
<i>Agalinis gattingeri</i>	Gattinger's Gerardia, Roundstem Foxglove	Vascular Plant		E
<i>Arabis missouriensis</i> var. <i>deamii</i>	Missouri Rock-cress	Vascular Plant		SC
<i>Armoracia lacustris</i>	Lake Cress	Vascular Plant		T
<i>Carex davisii</i>	Davis's Sedge	Vascular Plant		SC
<i>Carex lupuliformis</i>	False Hop Sedge	Vascular Plant		T
<i>Carex richardsonii</i>	Richardson's Sedge	Vascular Plant		SC
<i>Cirsium hillii</i>	Hill's Thistle	Vascular Plant		SC
<i>Fraxinus profunda</i>	Pumpkin Ash	Vascular Plant		T
<i>Galearis spectabilis</i>	Showy Orchis	Vascular Plant		T
<i>Gentiana puberulenta</i>	Downy Gentian	Vascular Plant		E
<i>Gentianella quinquefolia</i>	Stiff Gentian	Vascular Plant		T
<i>Gymnocladus dioicus</i>	Kentucky Coffee-tree	Vascular Plant		SC
<i>Hieracium paniculatum</i>	Panicled Hawkweed	Vascular Plant		SC
<i>Hydrastis canadensis</i>	Goldenseal	Vascular Plant		T
<i>Linum virginianum</i>	Virginia Flax	Vascular Plant		T
<i>Mimulus alatus</i>	Wing-stemmed Monkey-flower	Vascular Plant		X
<i>Monarda didyma</i>	Oswego tea, beebalm	Vascular Plant		X
<i>Plantago cordata</i>	Heart-leaved Plantain	Vascular Plant		E
<i>Platanthera ciliaris</i>	Orange or Yellow Fringed Orchid	Vascular Plant		T
<i>Quercus shumardii</i>	Shumard's oak	Vascular Plant		SC
<i>Scirpus clintonii</i>	Clinton's Bulrush	Vascular Plant		SC

E – Endangered; C – Candidate; SC – Special Concern; T – Threatened, X – Probably Extirpated

Source: Macomb County Current as of August 2005

http://web4.msue.msu.edu/mnfi/data/cnty_dat.cfm?h=&county=Macomb

4.6.1.2 Prehistoric/Historic Resources

Archaeological Sites

An archaeological /cultural resources assessment was conducted in compliance with Army Regulation 200-4 and Section 110 of the National Historic Preservation Act of 1966 as amended for the U.S. Army Garrison- Selfridge in southeastern Michigan. The findings of the assessment are final and are presented in the Archeological Assessment U.S. Army Garrison –Selfridge (**Parsons, 2002**).

This report describes an assessment of the archaeological potential for both the main garrison and Seville Manor based on existing environmental conditions and archival information. The assessment concluded that as a result of the extensive surface and subsurface disturbance that has occurred through time within the boundaries of USAG-S and Seville Manor, intact archaeological sites are not likely to occur. Since the physical integrity of any archaeological deposits would be lacking, no archaeological resources eligible for the National Registry of Historic Places (NRHP) are expected to occur on USAG-S lands. No future archaeological investigations are recommended. The Michigan State Historic Preservation Officer has concurred with these findings.

The assessment provided the following conclusion:

“The probability for the occurrence of prehistoric and historical archaeological resources for Seville Manor was determined to be medium and low, respectively. The potential of encountering prehistoric resources is slightly higher for the Seville Manor area than at the Main Garrison because of the presence of a beach ridge feature and its location between two known sites. Prehistoric sites associated with hunting forays or procurement activities may be expected. A review of historical settlement patterns indicated that the Seville Manor area was unlikely to contain domestic dwellings or other permanent structures. This area also exhibited extensive surface and subsurface disturbance, including drainage improvements and construction of the subdivision” (**Parsons, 2003**).

Buildings/Structures

Seville Manor buildings are defined as Capehart Era Army family housing and associated structures. These buildings are considered to be reviewed under Section 106 of the National Historic Preservation Act through Program Comment of the Advisory Council on Historic Places dated May 31, 2002. Under the Program Comment specified activities including maintenance and repair; rehabilitation; layaway/mothballing; renovation; demolition; transfer, sale, or lease from Federal ownership for all Army Family Housing built between 1949 and 1962 can be undertaken without further National Historic Preservation Act compliance or State Historic Preservation Office consultation.

4.7 Site Maps

Supporting maps are provided in **Appendix C** of this ECP.

5 Environmental Conditions

USAG-S, including the Seville Manor property, is not on the National Priorities List (NPL). No sites representing a CERCLA release have been identified on the Seville Manor property.

5.1 Environmental Permits/Licenses

5.1.1 RCRA Status

There are no permitted hazardous waste treatment, storage, or disposal units on the Seville Manor property. There were no satellite accumulation points or any hazardous storage areas at Seville Manor. All maintenance and grounds keeping equipment and materials were stored on the main installation. The main Army Garrison USAG-S is a small quantity generator of hazardous waste with EPA Generator ID No. MI0000182642.

5.1.2 Solid Waste Permits

USAG-S does not hold a solid waste permit. Solid wastes at Seville Manor are disposed of by Waste Management Inc. a contracted solid waste disposal service (**Tetra Tech, 2004**).

5.1.3 UST/AST Permits

During the 2004 EBS site reconnaissance at Seville Manor and while conducting interviews, it was determined that no underground storage tanks are present at the Seville Manor site. Homes on the property rely on electricity as the sole energy source for home heating. There is an aboveground water tower on the site located along Sugarbush Road.

5.1.4 NPDES Permits

Seville Manor has storm water permit coverage as a nested jurisdiction under the Chesterfield Township MS4 permit. There are no other NPDES permits for the site.

5.1.5 Drinking Water Permits

Seville Manor is supplied potable water from the Selfridge Air National Guard Base distribution system. The drinking water supply originates at the City of Mt. Clemens Water Treatment Plant with source intake from Lake St. Clair. Drinking water permits are not required.

5.1.6 Air Permits

No air permits are required or maintained (**USAEC, 2005a**).

5.1.7 NRC Licenses

No Nuclear Regulatory Commission (NRC) permits are required or maintained by USAG-S at Seville Manor. According to the USAG-S Radiation Safety Officer (RSO) contractors have used radioactive sources in test equipment for roadway construction

and lead paint analysis (**USAEC, 2005b**). The RSO manages a radiation permit program required by Army regulation to document device use and source licenses.

5.1.8 Other permits/licenses

No other permits are required or maintained.

5.2 Environmental Cleanup

With the exception of ongoing programmatic asbestos and lead based paint hazard removal, potential abatement and interim hazard control (**See Sections 5.5 and 5.6**) there are no other known environmental cleanup projects related to the property at Seville Manor.

5.2.1 Previous Environmental Investigations

The U.S. Army Garrison-Selfridge (USAG-S) tasked Tetra Tech EM Inc. (Tetra Tech) to perform an Environmental Baseline Survey (EBS) for Seville Manor. The results of the EBS have been used where appropriate and updated accordingly in this ECP document. The purpose of the EBS was to evaluate the Seville Manor property for indications of recognized environmental conditions (REC) that may be present. The EBS was conducted in general conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Standard Practice for Conducting Environmental Baseline Surveys, (D 6008-96), ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Army regulations, and Army technical guideline DA PAM 200-1. ASTM defines REC as follows: “The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property. The term includes hazardous substances or petroleum products even under conditions of storage and use in compliance with local and state regulations. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of regulatory governmental agencies.” (**Tetra Tech, 2004**)

As previously stated, the information obtained from the 2004 EBS has been incorporated and updated accordingly in this ECP Document.

5.3 Hazardous Substances

As observed during the 2004 EBS site reconnaissance, various typical household items including cleaning supplies, soaps and spray paints were stored in garages. Visibly stained soil or any other indications of hazardous materials on the site were not observed. Stained concrete and asphalt was observed on residential driveways. Generally, staining appeared to be associated with petroleum products that may have leaked from automobiles parked in the driveways.

5.4 Petroleum Products

Only small volumes of petroleum products for household use were observed. As noted above, stained concrete and asphalt was observed on residential driveways which appeared to be associated with petroleum products leaked from parked automobiles.

5.4.1 Polychlorinated Biphenyls

Currently there are 61 electrical transformers on the Seville Manor Property. A previous TECOM inventory listed 62 locations but one of these was found to be mistaken upon field verification (Pole SM131). The most recent physical inspection is dated April 2006; most recent PCB tests are generally from 2004.

Table A-2 in **Appendix A** identifies the Seville Manor transformers and recent PCB content records. One transformer (Pole SM079, 29062 Brault) is a replacement transformer for a unit that failed in April 2006. The failure was mechanical in nature. An internal wire came loose and could not be reconnected in a timely manner. There was no release of mineral oil due to the failure and the PCB content based on testing is below detection. The testing of transformer fluid identified PCB concentrations ranging from <2 to 22 (ppm) parts per million. According to TSCA, PCB-containing material must be disposed of as hazardous waste if they contain PCBs at a concentration above 50 ppm. All transformers appeared to be in good condition, and none appeared to be leaking.

In addition to transformers, household *PCB* containing items such as microwave ovens and fluorescent light ballasts and fixtures have been used at Seville Manor. Due to the small quantities of PCBs contained in such items and residential use it is believed no contamination has resulted from their use.

5.5 Asbestos-Containing Materials (ACM)

The USAG-S Base Operations Contractor has developed an Asbestos O&M Plan that is included as an appendix in the USAG-S Asbestos Management Plan (**Parsons, 2001c**). The Asbestos Management Plan is available for review in the USAG-S Environmental Management Office located in Bldg. 970 at Selfridge ANG Base, Michigan. Asbestos-related documentation associated with O&M activities is located in work order files maintained by the USAG-S Base Operations Contractor (TECOM).

TECOM conducted an asbestos inspection of accessible areas of all buildings located in Seville Manor during April 2005 to May 2006. The inspections were performed by State of Michigan accredited Building Inspectors in accordance with current Asbestos Hazard Emergency Response Act (AHERA) and Michigan Department of Labor and Economic Growth (MDLEG) regulations according to recognized techniques.

TECOM's work did not include destructive methods of inspection to confirm the presence or absence of asbestos containing material (ACM) inside inaccessible spaces

behind intact walls and/or ceilings. Additionally, to prevent unnecessary damage and voiding of roof warranties TECOM did not include asphalt-based roofing materials within the inspection.

Prior to implementing any future demolition activities, inaccessible areas and roofing must be inspected to determine asbestos content and remove any Friable and Category 1 or Category 2 Non-friable asbestos will need to be removed as required by the EPA National Emissions Standards for Hazardous Air Pollutants (NESHAP) regulation.

Building Inspection (ACM)

TECOM Inspection included all accessible areas of the building interior and exterior. Accessible areas were visually checked and homogeneous (materials) areas of ACM were identified. Samples of suspect ACM were collected and touched to determine their degree of friability.

Inaccessible Areas (ACM)

Certain spaces or materials within a building which were inaccessible during the course of the inspection, even when limited destructive methods were utilized, include but are not limited to the following: Floor tile or mastics located underneath carpeting, other floor tile, wall covering or other materials that would be destroyed or damaged to gain access.

Discussion of ACM Inspection Results

Description of building type(s) and type of ACM identified within Seville Manor is summarized below. A full Asbestos Inspection Report for each building is available for review in the Environmental Management Office located in Bldg. 970 at Selfridge ANG Base, Michigan (**USAG-S, 2006b**).

Seville Manor Housing (ACM)

The following Asbestos Containing Materials were identified through-out Seville Manor:

- Joint compound on seams and nail heads of drywall walls and ceilings.
- Black mastic on underside of kitchen sink.
- Resilient floor coverings (e.g., sheet flooring, 9"x9" & 12"x12" floor tile, and underlying mastic) in many homes.
- Cove base and mastic.
- Tan/Grey wall coverings and mastic in bathrooms.
- Exterior caulking/crack sealant.

Transite Water Pipe: In addition to ACM identified in housing units and as mentioned in Section 4.4.1.1 approximately 3 miles of 3" transite water main lead to the Seville Manor property. Transite is a composite material made of 12-50% asbestos and cement. Although the service lines within Seville Manor have not been sampled or

surveyed for transite pipe, as new fire hydrants and leads were installed, transite pipe was observed. Over the years approximately 10% of the system has been replaced with non-transite pipe. It is reasonable to expect the remaining site potable mains are constructed of transite.

5.6 Lead and Lead-Based Paint

The USAG-S Base Operations Contractor has developed a Lead-Based Paint (LBP) O&M Plan that is included as an appendix in the USAG-S LBP Management Plan (**Parsons, 2001d**). The LBP Management Plan is available for review in the USAG-S Environmental Management Office located in Bldg. 970 at Selfridge ANG Base, Michigan

Lead based paint (LBP) inspection and risk assessment were performed in 2004-2005 throughout the Seville Manor housing areas at USAG-S. The Seville Manor housing area consists of single dwelling homes and duplexes with attached garages. Seville Manor housing has been classified as multi-family for inspection and risk assessment under HUD regulations. In multi-family inspections, a percentage of units are tested and an area wide report is made for all units based on the test results and statistical data analyses. At Seville Manor, 54 of 352 units were inspected as the statistical subset of housing units.

The LBP inspection and risk assessment were performed by EPA/Michigan certified lead risk assessors. All types of painted surfaces, interior and exterior, were tested using X-Ray fluorescence (XRF) technologies. In cases where the XRF detected LBP and the paint was in poor condition (cracked, peeling, chalking, etc.) the inspector may have recommended further sampling methods by using dust wipes, vacuum samples, air samples or soil samples.

Detailed composite data analyses were performed for each tested component. Determination of positive or negative lead content was reported by component on the basis of average measured values in the tested units. Lead hazard occurrence was analyzed similarly. In general, only 41 of over 6,300 tested surfaces were found to present a hazard from deteriorated condition with lead concentration greater than HUD/EPA thresholds for hazard. Based on these data analyses, there are no consistent facility-wide deteriorated lead based paint hazards. However, even though facility-wide hazards are not determined to be present, components in certain tested units were determined to present hazards. In these instances, Interim Lead Hazard Control (ILHC) was implemented when LBP hazards were identified in occupied buildings. With proper ILHC, lead hazards in occupied units have been removed but underlying lead remains (e.g., peeling paint is removed and the surface is re-painted, or bare soil is covered with mulch but lead remains in the soil). ILHC was not conducted when LBP hazards were identified in units that were not occupied and were not to be reoccupied under BRAC actions.

Lead inspection and hazard assessment results are applicable for the time that testing was conducted and for the condition of surfaces at the time they were tested. Units that

were not tested or surfaces that were inaccessible will require additional testing efforts for verification lead content. A summary of the 2004-2005 inspection and risk assessment for survey buildings is presented in the following **Table 5.6-1**. A summary of lead concentrations found in soil at target housing units is presented in **Table 5.6-2**.

The full Multi-Family Lead Inspection and Risk Assessment Report is located in the USAG-S Environmental Management Office located in Bldg. 970, Selfridge ANG Base, Michigan.

Table 5.6-1, Summary of LBP Inspection and Risk Assessment for Survey Buildings at Seville Manor 2004-2005

Table 5.6-1, Summary of LBP Inspection and Risk Assessment for Survey Buildings at Seville Manor 2004-2005						
Lead Inspection / Risk Assessment					Interim Lead Hazard Control	
Address	Street	Year Built	Inspection Start Date	LBP Hazard Found	Notes	Action Taken
29037	Baker	1961	12/9/04	No		No Action Taken
29050	Baker	1961	12/23/04	No		No Action Taken
29078	Baker	1961	12/17/04	No		No Action Taken
29152	Baker	1961	12/13/04	Yes	Peeling living rm. Door jamb.	No Action Taken - Vacant
29625	Baker	1961	1/3/05	No		No Action Taken
29659	Baker	1961	12/15/04	No		No Action Taken
29724	Baker	1961	12/23/04	No		No Action Taken
29053	Bek	1961	12/15/04	No		No Action Taken
29058	Bek	1961	12/16/04	No		No Action Taken
29111	Bek	1961	12/16/04	No		No Action Taken
29417	Bek	1961	12/16/04	No		No Action Taken
29464	Bek	1961	1/15/05	Yes	Poor: garage ceiling	No Action Taken - Vacant
29465	Bek	1961	12/16/04	No		No Action Taken
29624	Bek	1961	12/17/04	No		No Action Taken
48133	Bialas	1961	12/22/04	Yes	Peeling garage electrical panel and pipe	No Action Taken - Vacant
48221	Bialas	1961	12/27/04	Yes	Poor: living room exterior door	No Action Taken – Vacant
48249	Bialas	1961	1/8/05	No		No Action

Table 5.6-1, Summary of LBP Inspection and Risk Assessment for Survey Buildings at Seville Manor 2004-2005

Lead Inspection / Risk Assessment					Interim Lead Hazard Control	
						Taken
48250	Bialas	1961	12/18/04	No		No Action Taken
48305	Bialas	1961	12/18/04	Yes	Poor: garage ceiling	No Action Taken – Vacant
29099	Brault	1961	12/20/04	No		No Action Taken
29439	Brault	1961	12/20/04	No		No Action Taken
29660	Brault	1961	12/20/04	No		No Action Taken
29677	Brault	1961	12/20/04	Yes	Soil hazard: Sample was taken in winter with 6"-8" of snow on ground. When snow melted, risk assessment was conducted; no bare soil.	No bare soil exists; therefore ILHC not required.
29345	Craw	1961	12/22/04	No		No Action Taken
29364	Craw	1961	12/22/04	No		No Action Taken
29380	Craw	1961	1/8/05	Yes	Poor: garage door jamb	No Action Taken - Vacant
29410	Craw	1961	1/8/05	Yes	Poor: exterior pipe	ILHC remove failed paint and re-paint
29460	Craw	1961	12/21/04	Yes	Peeling garage door, door jamb and electrical panel. Poor: kitchen door jamb. Peeling and Poor: room 1 door jamb	No Action Taken - Vacant
29672	Craw	1961	12/23/04	No		No Action Taken
48421	Douglas	1961	12/27/04	No		No Action Taken
48475	Hawk	1961	1/8/05	No		No Action Taken
48534	Hawk	1961	12/10/04	Yes	Peeling Living Rm. Door	ILHC remove failed paint and re-paint
48596	Hawk	1961	1/20/05	No		No Action Taken
29251	Hibbs	1961	12/22/04	Yes	Poor and peeling door jambs, pipe, ext. roof support.	ILHC remove failed paint and re-paint
29539	Hibbs	1961	12/27/04	No		No Action Taken
29703	Hibbs	1961	12/20/04	Yes	Peeling outside door and jamb	No Action Taken - Vacant
29746	Hibbs	1961	12/29/2004 & 1/8/05	Yes	Poor: garage door, cracked living room door jamb	No Action Taken - Vacant

Table 5.6-1, Summary of LBP Inspection and Risk Assessment for Survey Buildings at Seville Manor 2004-2005

Lead Inspection / Risk Assessment					Interim Lead Hazard Control	
29835	Hibbs	1961	1/25/05	No		No Action Taken
48315	Hoenshell	1961	12/28/04	No		No Action Taken
48135	Pearl	1961	12/28/04	Yes	Peeling garage wall	No Action Taken - Vacant
48227	Pearl	1961	12/27/04	No		No Action Taken
48342	Pearl	1961	12/28/04	Yes	Peeling garage ceiling	No Action Taken - Vacant
29108	Pearson	1961	12/20/04	No		No Action Taken
29452	Pearson	1961	1/13/05	No		No Action Taken
29526	Pearson	1961	12/22/04	No		No Action Taken
29646	Pearson	1961	12/21/04	Yes	Chalking garage ceiling and ceiling beam, Poor: garage door and door jamb, peeling outside door, cracked outside door jamb	No Action Taken - Vacant
29678	Pearson	1961	12/21/04	Yes	Poor: garage ceiling	No Action Taken - Vacant
29716	Pearson	1961	12/28/04	No		No Action Taken
47861	S Brooks	1961	12/28/04	No		No Action Taken
48474	Salitrik	1961	12/28/04	No		No Action Taken
29541	Wright	1961	1/4/05	No		No Action Taken
29558	Wright	1961	1/6/05	No		No Action Taken
29604	Wright	1961	12/21/04	Yes	Poor: garage pipe. Peeling kitchen door jamb, outside door, outside roof support and room 1 door jamb	No Action Taken - Vacant
29641	Wright	1961	12/30/04	Yes	Poor: garage door jamb, peeling outside pipe	No Action Taken - Vacant

Table 5.6-2, USAG-S Seville Manor 2005 HUD Title X LBP Risk Assessment

TARGET HOUSING EXTERIOR DRIP LINE COMPOSITE SAMPLE						
LEAD (Pb) IN SOIL DURING LBP INSPECTION						
ADDRESS	STREET	Pb ug/g		ADDRESS	STREET	Pb ug/g
29037	Baker	70.3		29460	Craw	75.2
29050	Baker	<9.6		29672	Craw	101
29078	Baker	86.0		48421	Douglas	46.5
29152	Baker	82.8		48475	Hawk	27.5
29625	Baker	21.0		48534	Hawk	82.4
29659	Baker	30.9		48596	Hawk	20.5
29724	Baker	39.7		29251	Hibbs	17.1
29053	Bek	58.7		29539	Hibbs	48.0
29058	Bek	51.0		29703	Hibbs	117
29111	Bek	69.3		29746	Hibbs	98.8
29417	Bek	31.5		29835	Hibbs	89.8
29464	Bek	132		48315	Hoenshell	92.8
29465	Bek	22.0		48135	Pearl	48.1
29624	Bek	72.0		48227	Pearl	101
29058	Bek Play Area	<9.6		48342	Pearl	66.2
48133	Bialas	67.7		29108	Pearson	38.4
48221	Bialas	38.7		29452	Pearson	28.8
48249	Bialas	45.7		29526	Pearson	40.0
48250	Bialas	18.0		29646	Pearson	38.2
48305	Bialas	41.9		29678	Pearson	18.0
29099	Brault	22.6		29716	Pearson	71.5
29439	Brault	27.3		47861	S. Brooks***	407
29677	Brault***	1442		48474	Saltrinx	17.3
29345	Craw	18.1		29541	Wright	25.7
29364	Craw	44.4		29558	Wright	32.6
29410	Craw	458		29604	Wright	361
<p>*** 29439 Brault and 47861 S. Brooks: soil samples were collected when there was 6"-8" of snow on the ground. When snow melted and risk assessment conducted; it was determined that no bare soil existed (i.e., grass was present). Therefore, no ILHC was conducted. The standard under 40 CFR Part 745, Jan 2001 is 1,200 ppm in bare soil.</p>						

5.7 Radioactive Material

There is no evidence of any releases of radiological materials at Seville Manor. However, potential items containing small radiological sources such as exit signs and smoke detectors if any would need to be removed and properly disposed of prior to demolition/modification of areas/buildings/structures. Ionization type smoke detectors, use a small radioactive source (usually an oxide of americium-241) as a key component in detecting smoke particles and some exit signs use a small radioactive source (tritium gas) which creates an illuminated sign in the event of an electrical outage or a fire. According to USAG-S the only known building to have potentially contained a tritium exit sign was the Youth Center, which is now equipped with a non-tritium containing sign using battery backup. The housing units do not have exit signs. It is assumed that all homes are equipped with smoke detectors but a survey to determine the type of detectors present has not been conducted.

5.8 Historical Landfills/Dumps

No landfills or dumps were identified on the property based on information obtained as part of the 2004 EBS and supporting EDR Report.

5.9 Explosive Contaminated Structures

There is no evidence that explosives related to military use have been handled at Seville Manor (**USACE, 2006**).

5.10 Radon

Under the Army radon reduction program, 635 Alpha Track Monitors (ATM) radon samples were taken from individual Army Family Housing units and OMA facilities at USAG-S, including Seville Manor. ATM's typically were set in place from 2-Dec-1989 to 10-Mar-1990. For all readings the maximum radon measurement was 2.8 pCi/l. The recommended EPA action level is 4.0 pCi/l (**AMSTA-QRA, 1991**).

In the 2004 EBS, the EDR report provided information that area radon is less than 4.0 pCi/l (See Appendix B EDR Report). Furthermore since the residences at Seville were constructed on slab with no basements, radon accumulation is usually unlikely.

5.11 Pesticides

Pesticide management at Seville Manor is conducted under the USAG-S Integrated Pest Management Plan (**Parsons, 2001 f**). The Pest Controller is certified by the DoD or licensed by the State of Michigan. Pests included in the plan are weeds and other unwanted vegetation, termites, mosquitoes, crawling insects (ants, crickets, cockroaches, etc.), spiders, and mice and other vertebrate pests. The plan serves as the framework through which pest management is defined and implemented at USAG-S, including Seville Manor. Elements of the pest management program are health and environmental safety, pest identification and pest management, as well as pesticide storage, transportation, use and disposal.

At Seville Manor, pesticides are applied in accordance with the pesticide product label by licensed applicators. Being a residential area, pesticide application at Seville Manor follows instruction for residential use on the label.

The USAG-S Base Operations Contractor conducts routine pest management activities. A licensed professional outside contractor is used to handle larger pest management projects. Otherwise, residents purchase pesticides from AAFES facilities and the self-help facility and apply them on an individual basis. There was no storage or mixing of pesticides at Seville Manor other than what a housing resident may have purchased for individual use.

Pesticide products registered by the USEPA for general use are sold at USAG-S in the Army& Air Force Exchange Service (AAFES) facilities such as the BX/PX. Because the pesticides are mostly used for lawn and garden maintenance, these products are sold during the spring and summer. By the end of the season, all pesticide products have been sold or are sent back to the manufacturer.

Chemical pest control products are also available through the USAG-S self-help program. These products are accompanied by educational materials instructing the users about pests and the application of the products (**Parsons, 2001f**).

A summary of pesticide product type records since 1990 is presented in the following **Table 5.11-1**.

Table 5.11-1, Licensed Pesticide Applicator Records For Seville Manor (Source: DD Form 1532-1 SINCE 1990)			
PESTICIDE PRODUCT	PEST	PESTICIDE PRODUCT	PEST
565 Plus XLO	ants	Dursban LO	fleas
Advance Ant Bait	ants	BP300	flies
Baygon	ants	Safrotin	flies
Bifenthrin	ants	565 Plus XLO	gnats
Chem-Tox fogger	ants	Diazinon	grubs
Deltadust	ants	Wasp Freeze	hornets
Deltamethrin	ants	Maki	mice
Diazinon	ants	Talon-G	mice
Drax Ant Bait Gel	ants	Mole Patrol	moles
Drax Ant Kil PF	ants	Moletox II	moles
Drax Liquidator Ant Bait	ants	Anvil 2+2 ULV	mosquitoes
Dursban 4E	ants	Malathion	mosquitoes
Dursban LO	ants	Lambda Cyhalothrin	pillbugs
Dursban Turf	ants	Boric Acid	roaches
Ficam Plus	ants	BP300	roaches
Formula 18-GL	ants	Cyfluthrin	roaches
Lambda Cyhalothrin	ants	Deltamethrin	roaches
Lesco Fogger	ants	Hydroprene	roaches
MaxForce Ant Bait	ants	Microcare Boric Acid	roaches
Microcare	ants	Prentox Exciter	roaches
Microcare ChemTox	ants	Baygon	spiders
Ortho Home Defense	ants	Bifenthrin	spiders

Table 5.11-1, Licensed Pesticide Applicator Records For Seville Manor (Source: DD Form 1532-1 SINCE 1990)			
PESTICIDE PRODUCT	PEST	PESTICIDE PRODUCT	PEST
Orthoboric acid	ants	Chem-Tox fogger	spiders
PI	ants	Deltamethrin	spiders
Pro Control	ants	Diazinon	spiders
Suspend SC Drax Gel	ants	Formula 18-GL	spiders
Tempo	ants	Microcare	spiders
Apicide	bees	Ortho Home Defense	spiders
Carbaryl	bees	Safrotin	spiders
Wasp Freeze	bees	Suspend SC Drax Gel	spiders
Diazinon	beetles	565 Plus XLO	wasps
Microcare	beetles	Carbaryl	wasps
Bifenthrin	earwigs	Spectracide Wasp and Hornet Killer	wasps
		Wasp Freeze	wasps

5.12 Other Identified Concerns

No other environmental concerns have been identified.

5.13 Identification of Uncontaminated Property

In accordance with CERCLA 120(h) (4), this ECP recommends that 103 acres of USAG-S constituting Seville Manor can be identified as Uncontaminated Property based on investigation of the real property described herein that does not find obvious presence or likely presence of a release or threatened release of any hazardous substance or any petroleum product or its derivatives, including aviation fuel and motor oil, on the real property. This identification of Uncontaminated Property is based on a review of the following sources of information concerning the current and previous uses of the real property as reported in the 2004 Environmental Baseline Survey and this ECP:

- (i) A detailed search of Federal Government records pertaining to the property (Provided in EDR Report Appendix B).
- (ii) Recorded chain of title documents regarding the real property. This action was conducted as part of the 2004 EBS and is provided in Appendix B.
- (iii) Aerial photographs that reflect prior uses of the real property (Provided in Appendix B).
- (iv) A visual inspection of the real property and buildings, structures, equipment, and other improvements on the real property, and a visual inspection of properties immediately adjacent to the real property. This action was conducted as part of the 2004 EBS.

(v) A physical inspection of residential property adjacent to the real property has not been conducted.

(vi) Reasonably obtainable Federal, State, and local government records of each adjacent facility where there has been a release of any hazardous substance or any petroleum product or its derivatives, including aviation fuel and motor oil, and which is likely to cause or contribute to a release or threatened release of any hazardous substance or any petroleum product or its derivatives, including aviation fuel and motor oil, on the real property. This action was conducted as part of the 2004 EBS.

(vii) Interviews with current or former employees involved in operations on the real property. This action was conducted as part of the 2004 EBS.

5.14 Description of Remaining Property

USAG-S property other than Seville Manor consists of 520 acres which represent the USAG-S Army Main Garrison located approximately 3 miles south of Seville Manor. The USAG-S Main Garrison property which is being transferred to the US Air Force under BRAC 05 is addressed in a separate ECP Document titled U.S. Army BRAC 2005 Environmental Condition of Property Report USAG-S (Main Garrison Property) July 2006 (**USAG-S, 2006d**).

5.14.1 NEPA (National Environmental Policy Act)

The US Army Corps of Engineers under the direction of the BRAC Division is currently in the process of collection of information to support the required NEPA documentation. Depending on the Local Redevelopment Authority (LRA) reuse plan, the NEPA document will consist of :

- 1) Record of Consideration (REC₂) if LRA's reuse plan for property is unchanged (all residential); and
- 2) Environmental Assessment (EA) if the LRA's reuse plan for property changes significantly from its present residential use (e.g. park, library, conservation, etc.)

5.15 Applicable Regulatory Compliance Issues

No regulatory compliance issues have been identified at Seville Manor.

5.16 Adjacent Properties

As part of the 2004 EBS a regulatory information review was conducted to evaluate whether the site property or nearby properties are listed as having a past or present record of actual or potential environmental hazards that are under investigation or may have an adverse impact on the site. A summary of the listings queried by EDR, the corresponding ASTM minimum search distances for each respective listing, and the date of the last government version of each listing is provided in the EDR report. Based on the 2004 EBS review of the EDR database, the facilities below were identified as having previous violations or noncompliance issues.

Table 5.16-1, List of Adjacent Properties			
Facility	Database	MDEQ Facility Identification No.	Location and Distance from Site
Dean Brothers Disposal	HST LF	50000023	Off 23-Mile Road 1/4-1/2 mile east-northeast
Dean Brothers Disposal	HST LF	50000024	48221 Sugarbush Road 1/4-1/2 mile east-northeast
Sugarbush Road Dumpsite	CERC-NFRAP SHWS	NA	Sugarbush Road 1/4-1/2 mile east-northeast

According to the MDEQ inactive solid waste facilities database (HIST LF), the two Dean Brothers Disposal facilities are not operating and do not have any RECs. According to MDEQ, the Dean Brothers facilities and a municipal landfill were combined into one site known as the Sugarbush Road dumpsite (MID981093933) located approximately ½ mile north of Seville Manor. Chesterfield Township operated the licensed municipal landfill in the early 1960's. In 1967 the Chesterfield Township landfill and the adjoining Dean Brothers landfill were combined into one landfill. The landfill accepted light industrial and municipal refuse. In 1987, the facility operator declared bankruptcy and discontinued managing the facility. According to MDEQ, the site is contaminated with chemicals of concern including arsenic; chromium; 4,4-DDT; and 4,4-DDE (**Tetra Tech, 2004**).

The generally understood groundwater flow in the Chesterfield Township area is southeast toward Lake St. Clair. Seville Manor is southwest of the Sugarbush Road dump site. As stated in the EBS the dumpsite is not considered a recognized environmental concern (REC) for Seville Manor.

6 Conclusions

In accordance with CERCLA 120(h) (4), this ECP recommends that 103 acres of USAG-S constituting Seville Manor can be identified as Uncontaminated Property based on investigation of the real property that does not find obvious presence or likely presence of a release or threatened release of any hazardous substance or any petroleum product or its derivatives on the real property. This identification of Uncontaminated Property is based on a review of sources of information concerning the current and previous uses of the real property as reported in the 2004 Environmental Baseline Survey and this ECP.

- There is no evidence that hazardous substances were stored, released, or disposed on the property in excess of the reportable quantities listed in 40 CFR 373. Accordingly,

there is no need for any notification of hazardous substance storage, release, or disposal.

- Pesticide management at Seville Manor is conducted under the USAG-S Integrated Pest Management Plan by DoD certified or State of Michigan licensed pest management personnel. Pesticide products are applied by licensed professionals in accordance with the pesticide product label that follows instruction for residential use and by residents who purchase registered pesticide products from on-base stores and self-help facility.
- There is no evidence that any petroleum products in excess of 55 gallons at one time were stored, released, or disposed on the property. Accordingly, there is no need for any notification of petroleum product storage, release, or disposal. There is no evidence that petroleum products were stored in underground or above ground storage tanks on the property.
- *PCB Equipment* such as microwave ovens and fluorescent light ballasts and fixtures may have been used at Seville Manor. There is no *PCB-containing electrical equipment* (>50 ppm PCB) located on the property and there is no evidence of release from PCB equipment. In an inspection of 60 transformers performed again in April 2006, several units contained PCB from 2 to 12 ppm and all appeared to be in good condition
- Asbestos inspection of accessible areas of all buildings located in Seville Manor was conducted during April 2005 to May 2006. The inspections were performed by State of Michigan accredited Building Inspectors in accordance with current AHERA and Michigan MDLEG regulations according to recognized techniques. Work did not include destructive methods of inspection to confirm the presence or absence of ACM inside inaccessible spaces behind intact walls and/or ceilings. Asbestos Containing Materials identified during in Seville Manor housing were joint compound on seams and nail heads of drywall walls and ceilings, black mastic on underside of kitchen sink, resilient floor coverings, cove base and mastic, tan/grey wall coverings and mastic in bathrooms, and exterior caulking/crack sealant. The ACM does not currently pose a threat to human health or the environment because friable asbestos that would pose an unacceptable risk to human health is removed or encapsulated under an Asbestos Management Plan.
- Lead based paint (LBP) inspection and risk assessment were performed in 2004-2005 by EPA/Michigan certified lead risk assessors on 54 units as a statistical subset of housing units at Seville Manor according to provisions of Title X, Residential Lead Based Paint Hazard Reduction Act. Interim lead hazard control is implemented under a Lead Based Paint Management Plan for LBP hazards identified in occupied buildings.
- There is no evidence of any release of radiological material at Seville Manor.
- Radon surveys were conducted in each building at Seville Manor. Radon was not detected above the EPA residential action level of 4 picocuries per liter (pCi/L).

- Based on a review of existing records and available information, none of the buildings or surrounding land at Seville Manor is known to contain explosives or unexploded ordinance.
- Intact archaeological sites are not likely to occur within the boundaries of Seville Manor. No archaeological resources eligible for the NRHP are expected to occur on USAG-Selfridge lands. Seville Manor buildings (Capehart Era Army family housing and associated structures) are considered to be reviewed under Section 106 of the National Historic Preservation Act through Program Comment of the Advisory Council on Historic Places dated May 31, 2002.
- There are no environmental remediation orders or agreements applicable to the property at Seville Manor.
- Environmental conditions on adjacent property do not present any recognized environmental concern to the property at Seville Manor.

7 References

- AMSTA-QRA, Memo for C, Facilities Management Branch (AMSTA-XEM), Subj: Analysis of ATM Radon Samples, 17-Dec-1991
- FEMA, 1978. Flood Insurance Rate Map for Township of Chesterfield, Michigan. Community Panel #260120 0010 B, page 10 of 10. Prepared by Federal Emergency Management Agency. July 3, 1978.
- Lead Based Paint Guidelines for Disposal of DoD Residential Real Property- A Field Guide, December 1999
- Macomb County Hazard Mitigation Plan, 2005, Section 3, Flood Mitigation Assistance (FMA) Focus Section: A Detailed Analysis of Macomb County Flood Hazards, Spalding DeDecker Associates, Inc, March 2005
- MDEQ, 2002. *Status for Michigan Municipalities Working on Wellhead Protection*. Michigan Department of Environmental Quality. Retrieved January 17, 2002, from the World Wide Web: <http://www.deq.state.mi.us/dwr/GWS/wpu/Status.html>
- OTC, 1997. *Environmental Baseline Survey (Phase I): 127th Wing, Michigan Air National Guard, Selfridge Air National Guard Base, Mt. Clemens, Michigan*. Prepared for Air National Guard Readiness Center, Andrews AFB, Maryland. Prepared by Operational Technologies Corporation. November 1997.
- Parsons, 2002, Final Archaeological Assessment U.S. Army Garrison – Selfridge; Selfridge Air National Guard Base – Macomb County, Michigan ER-96-53. Prepared for U.S. Army Materiel Command Installations and Services Activity Rock Island, Illinois.
- Parsons, 2003, Historic Buildings Maintenance Plan, U.S. Army Garrison – Selfridge; Selfridge Air National Guard Base – Macomb County, Michigan. Prepared for U.S. Army Materiel Command Installations and Services Activity Rock Island, Illinois, January 2003.
- Parsons ES, 2001c. *Final Asbestos Management Plan*. Prepared for U.S. Army Garrison-Selfridge, Macomb County, Michigan. Prepared by Parsons Engineering Science. March 2001.
- Parsons ES, 2001d. *Final Lead-Based Paint Management Plan*. Prepared for U.S. Army Garrison-Selfridge, Macomb County, Michigan. Prepared by Parsons Engineering Science. March 2001.

- Parsons ES, 2001f. *Final Pest Management Plan*. Prepared for U.S. Army Garrison-Selfridge, Macomb County, Michigan. Prepared by Parsons Engineering Science. June 2001.
- Parsons ES, 2001g. *Final Spill Prevention, Control, and Countermeasures Plan*. Prepared for U.S. Army Garrison-Selfridge, Macomb County, Michigan. Prepared by Parsons Engineering Science. June 2001.
- Staubach, 2006. Site Assessment Report, Selfridge Air National Guard Base, Prepared for the Department of the Army, May 2, 2006.
- Tetra Tech, 2004. Environmental Baseline Survey, U.S. Army Garrison – Michigan Seville Manor, *Mt. Clemens, Michigan 48045*, Prepared for the U.S. Army Garrison – Michigan, May 2004.
- Tecom Inc, 2005, Spill Prevention Control and Countermeasures; Installation Spill Contingency Plan (SPCC/ISCP). Prepared for U.S. Army Garrison – Michigan (Selfridge).
- USACE 2006, Final Historical Records Review, U.S. Army Garrison – Michigan (Selfridge), January 2006
- USAEC, 2005, U.S. Army Garrison – Michigan (Selfridge) 2006 Installation Action Plan. Prepared for U.S. Army Garrison – Michigan (Selfridge).
- USAEC 2005a, After Action Report ECP Workshop, Prepared by USAEC for US Army BRAC-D and U.S. Army Garrison-Selfridge, July 2005.
- USAEC, 2005b, Email from Karen Lapajenko McGuire Radiation Safety Officer (RSO) covering USAG-S concerning the commodities and potential issues at USAG-S to M. Kipp, August 18, 2005
- USAG-S, 2006a, Preventive Maintenance Inspection at TECOM, Inc. Seville Manor, Transformer Inspection Retrofill Corporation, April 2006.
- USAG-S, 2006b, Draft Asbestos Inspection Report, USAG-S Seville Manor, Dates of Inspection April 2005 to May 2006, TECOM Inc, June 2006
- USAG-S, 2006c, Draft Multi-Family Lead Inspection and Risk Assessment for Seville Housing Units, Dates of Inspection December 2004 to March 2005, TECOM Inc, June 2006
- USAG-S, 2006d, U.S. Army BRAC 2005 Environmental Condition of Property Report USAG-S (Main Garrison Property), July 2006
- USAG-S 1992, AMSTA-QRA, Memo for C, Facilities Management Branch (AMSTA-XEM), Subj: Analysis of ATM Radon Samples, 17-Dec-1991

Appendix A:
List of Parcels and Buildings, Transformer Inventory List

APPENDIX A. Table A-1
List of Parcels and Buildings USAG-S Seville Manor
 (Source USAG-S July 2006)

FACILITY NO.	ADDRESS	STREET	TYP	BLD	DESIGN CAT CD	DESIGN CAT CD DESCRIPTION	GROSS AREA	UM1	CAPACITY	UM2	YR BUILT
2001	29302	Craw	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961
2002	29320	Craw	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961
2003	29328	Craw	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961
2004	29346	Craw	P	B	71113	FH LTC/MAJ	1838	SF	1	FA	1961
2005	29364	Craw	P	B	71113	FH LTC/MAJ	1981	SF	1	FA	1961
2006	29380	Craw	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961
2007	29394	Craw	P	B	71113	FH LTC/MAJ	1968	SF	1	FA	1961
2008	29402	Craw	P	B	71113	FH LTC/MAJ	1838	SF	1	FA	1961
2009	29410	Craw	P	B	71113	FH LTC/MAJ	1968	SF	1	FA	1961
2010	29426	Craw	P	B	71113	FH LTC/MAJ	1968	SF	1	FA	1961
2011	29444	Craw	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961
2012	29460	Craw	P	B	71113	FH LTC/MAJ	1981	SF	1	FA	1961
2013	29476	Craw	P	B	71113	FH LTC/MAJ	1981	SF	1	FA	1961
2014	29492	Craw	Demolished 2004								
2015	29510	Craw	Demolished 2004								
2016	29532	Craw	Demolished 2004								
2017	29507	Craw	Demolished 2004								
2018	29491	Craw	Demolished 2004								
2019	29475	Craw	Demolished 2004								
2020	29459	Craw	P	B	71113	FH LTC/MAJ	1968	SF	1	FA	1961
2021	29441	Craw	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961
2022	29425	Craw	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961
2023	29365	Craw	P	B	71113	FH LTC/MAJ	1981	SF	1	FA	1961
2024	29345	Craw	P	B	71113	FH LTC/MAJ	1981	SF	1	FA	1961
2025	29325	Craw	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961
2026	48695	Douglas	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961
2027	48675	Douglas	P	B	71113	FH LTC/MAJ	1981	SF	1	FA	1961
2028	48665	Douglas	P	B	71113	FH LTC/MAJ	1838	SF	1	FA	1961
2029	48740	Douglas	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961

APPENDIX A. Table A-1
List of Parcels and Buildings USAG-S Seville Manor
 (Source USAG-S July 2006)

FACILITY NO.	ADDRESS	STREET	TYP	BLD	DESIGN CAT CD	DESIGN CAT CD DESCRIPTION	GROSS AREA	UM1	CAPACITY	UM2	YR BUILT
2030	29515	Wright	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961
2031	29525	Wright	Demolished 2004								
2032	29541	Wright	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961
2033	29561	Wright	Demolished 2004								
2034	29579	Wright	P	B	71113	FH LTC/MAJ	1981	SF	1	FA	1961
2035	29601	Wright	Demolished 2001								
2036	29623	Wright	P	B	71113	FH LTC/MAJ	1981	SF	1	FA	1961
2037	29641	Wright	P	B	71113	FH LTC/MAJ	1838	SF	1	FA	1961
2038	29659	Wright	Demolished 2004								
2039	29705	Craw	Demolished 2004								
2040	29721	Craw	P	B	71113	FH LTC/MAJ	1968	SF	1	FA	1961
2041	29735	Craw	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961
2042	29751	Craw	Demolished 2004								
2043	29765	Craw	Demolished 2004								
2043	29771	Craw	Demolished 2004								
2044	29615	Craw	Demolished 1998								
2045	29635	Craw	Demolished 1994								
2046	29651	Craw	Demolished 2004								
2047	29650	Wright	P	B	71113	FH LTC/MAJ	1968	SF	1	FA	1961
2048	29626	Wright	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961
2049	29604	Wright	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961
2050	29580	Wright	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961
2051	29558	Wright	P	B	71113	FH LTC/MAJ	1968	SF	1	FA	1961
2052	48660	Douglas	P	B	71113	FH LTC/MAJ	1851	SF	1	FA	1961
2053	48644	Douglas	Demolished 2004								
2054	48625	Douglas	Demolished 2004								
2055	29614	Craw	Demolished 2004								
2055	29628	Craw	Demolished 2004								
2056	29636	Craw	P	B	71114	FH CO/W0	3592	SF	2	FA	1961

APPENDIX A. Table A-1
List of Parcels and Buildings USAG-S Seville Manor
 (Source USAG-S July 2006)

FACILITY NO.	ADDRESS	STREET	TYP	BLD	DESIGN CAT CD	DESIGN CAT CD DESCRIPTION	GROSS AREA	UM1	CAPACITY	UM2	YR BUILT
2056	29652	Craw									
2057	29672	Craw	P	B	71113	FH LTC/MAJ	1968	SF	1	FA	1961
2058	29696	Craw	P	B	71113	FH LTC/MAJ	1981	SF	1	FA	1961
2059	29710	Craw	P	B	71114	FH CO/W0	3508	SF	2	FA	1961
2059	29724	Craw									
2060	29742	Craw	P	B	71114	FH CO/W0	3508	SF	2	FA	1961
2060	29758	Craw									
2061	29766	Craw	Demolished 2004								
2061	29778	Craw	Demolished 2004								
2062	29819	Hibbs	P	B	71115	FH SR NCO	3592	SF	2	FA	1961
2062	29835	Hibbs									
2063	29767	Hibbs	P	B	71115	FH SR NCO	3581	SF	2	FA	1961
2063	29781	Hibbs									
2064	29735	Hibbs	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2064	29747	Hibbs									
2065	29703	Hibbs	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2065	29717	Hibbs									
2066	29695	Hibbs	Demolished 1998								
2066	29671	Hibbs	Demolished 1998								
2067	29637	Hibbs	P	B	71115	FH SR NCO	3581	SF	2	FA	1961
2067	29653	Hibbs									
2068	29611	Hibbs	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2068	29625	Hibbs									
2069	29539	Hibbs	P	B	71114	FH CO/W0	1851	SF	1	FA	1961
2070	29523	Hibbs	P	B	71114	FH CO/W0	1851	SF	1	FA	1961
2071	29443	Hibbs	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2071	29505	Hibbs									
2072	29431	Hibbs	P	B	71114	FH CO/W0	1981	SF	1	FA	1961
2073	29415	Hibbs	P	B	71114	FH CO/W0	1851	SF	1	FA	1961

APPENDIX A. Table A-1
List of Parcels and Buildings USAG-S Seville Manor
 (Source USAG-S July 2006)

FACILITY NO.	ADDRESS	STREET	TYP	BLD	DESIGN CAT CD	DESIGN CAT CD DESCRIPTION	GROSS AREA	UM1	CAPACITY	UM2	YR BUILT
2074	29337	Hibbs	P	B	71114	FH CO/W0	3722	SF	2	FA	1961
2074	29353	Hibbs									
2075	29321	Hibbs	P	B	71114	FH CO/W0	1838	SF	1	FA	1961
2075	29267	Hibbs									
2076	29309	Hibbs	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2077	29251	Hibbs	P	B	71114	FH CO/W0	1851	SF	1	FA	1961
2078	29221	Hibbs	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2078	29239	Hibbs									
2079	48281	N. Brooks	P	B	71114	FH CO/W0	1838	SF	1	FA	1961
2080	48251	N. Brooks	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2080	48265	N. Brooks									
2081	48221	N. Brooks	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2081	48237	N. Brooks									
2082	48205	N. Brooks	P	B	71114	FH CO/W0	1851	SF	1	FA	1961
2083	48141	N. Brooks	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2083	48157	N. Brooks									
2084	48111	N. Brooks	P	B	71114	FH CO/W0	3537	SF	2	FA	1961
2084	48131	N. Brooks									
2085	29016	Pearson	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2085	29034	Pearson									
2086	29046	Pearson	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2086	29064	Pearson									
2087	29076	Pearson	P	B	71114	FH CO/W0	1838	SF	1	FA	1961
2088	29094	Pearson	P	B	71114	FH CO/W0	1851	SF	1	FA	1961
2089	29108	Pearson	P	B	71114	FH CO/W0	3592	SF	2	FA	1961
2089	29124	Pearson									
2090	48128	N. Brooks	P	B	71114	FH CO/W0	3638	SF	2	FA	1961
2090	48144	N. Brooks									
2091	48156	N. Brooks	P	B	71114	FH CO/W0	3462	SF	2	FA	1961

APPENDIX A. Table A-1
List of Parcels and Buildings USAG-S Seville Manor
 (Source USAG-S July 2006)

FACILITY NO.	ADDRESS	STREET	TYP	BLD	DESIGN CAT CD	DESIGN CAT CD DESCRIPTION	GROSS AREA	UM1	CAPACITY	UM2	YR BUILT
2091	48208	N. Brooks									
2092	48222	N. Brooks	P	B	71114	FH CO/W0	3768	SF	2	FA	1961
2092	48236	N. Brooks									
2093	48252	N. Brooks	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2093	48270	N. Brooks									
2094	48305	Bialas	P	B	71114	FH CO/W0	3638	SF	2	FA	1961
2094	48327	Bialas									
2095	48237	Bialas	P	B	71114	FH CO/W0	3571	SF	2	FA	1961
2095	48249	Bialas									
2096	48207	Bialas	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2096	48221	Bialas									
2097	48145	Bialas	P	B	71114	FH CO/W0	1968	SF	1	FA	1961
2098	48133	Bialas	P	B	71114	FH CO/W0	1968	SF	1	FA	1961
2099	48136	Bialas	P	B	71114	FH CO/W0	1851	SF	1	FA	1961
2100	48154	Bialas	P	B	71114	FH CO/W0	1851	SF	1	FA	1961
2101	48212	Bialas	P	B	71114	FH CO/W0	3592	SF	2	FA	1961
2101	48222	Bialas									
2102	48236	Bialas	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2102	48250	Bialas									
2103	48300	Bialas	P	B	71114	FH CO/W0	1851	SF	1	FA	1961
2104	48330	Bialas	P	B	71114	FH CO/W0	1838	SF	1	FA	1961
2105	48339	Pearl	P	B	71114	FH CO/W0	1851	SF	1	FA	1961
2106	48319	Pearl	P	B	71114	FH CO/W0	1851	SF	1	FA	1961
2107	48301	Pearl	P	B	71114	FH CO/W0	1851	SF	1	FA	1961
2108	48227	Pearl	P	B	71114	FH CO/W0	3581	SF	2	FA	1961
2108	48243	Pearl									
2109	48211	Pearl	P	B	71114	FH CO/W0	1981	SF	1	FA	1961
2110	48135	Pearl	P	B	71114	FH CO/W0	3592	SF	2	FA	1961
2110	48151	Pearl									

APPENDIX A. Table A-1
List of Parcels and Buildings USAG-S Seville Manor
 (Source USAG-S July 2006)

FACILITY NO.	ADDRESS	STREET	TYP	BLD	DESIGN CAT CD	DESIGN CAT CD DESCRIPTION	GROSS AREA	UM1	CAPACITY	UM2	YR BUILT
2111	48214	Pearl	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2111	48230	Pearl									
2112	48244	Pearl	P	B	71114	FH CO/W0	3592	SF	2	FA	1961
2112	48304	Pearl									
2113	48324	Pearl	P	B	71114	FH CO/W0	1838	SF	1	FA	1961
2114	48342	Pearl	P	B	71114	FH CO/W0	1851	SF	1	FA	1961
2115	48347	Hoenshell	P	B	71114	FH CO/W0	1851	SF	1	FA	1961
2116	48327	Hoenshell	P	B	71114	FH CO/W0	1838	SF	1	FA	1961
2117	48251	Hoenshell	P	B	71114	FH CO/W0	3592	SF	2	FA	1961
2117	48315	Hoenshell									
2118	29443	Pearson	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2118	29461	Pearson									
2119	29521	Pearson	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2119	29533	Pearson									
2120	48308	Hoenshell	P	B	71114	FH CO/W0	3592	SF	2	FA	1961
2120	48326	Hoenshell									
2121	48342	Hoenshell	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2121	48354	Hoenshell									
2122	29522	Hibbs	P	B	71114	FH CO/W0	3592	SF	2	FA	1961
2122	29537	Hibbs									
2123	48405	Douglas	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2123	48421	Douglas									
2124	48321	Douglas	P	B	71114	FH CO/W0	3592	SF	2	FA	1961
2124	48339	Douglas									
2125	29526	Pearson	P	B	71114	FH CO/W0	3592	SF	2	FA	1961
2125	29540	Pearson									
2126	29512	Pearson	P	B	71114	FH CO/W0	1838	SF	1	FA	1961
2127	29452	Pearson	P	B	71114	FH CO/W0	3508	SF	2	FA	1961
2127	29468	Pearson									

APPENDIX A. Table A-1
List of Parcels and Buildings USAG-S Seville Manor
 (Source USAG-S July 2006)

FACILITY NO.	ADDRESS	STREET	TYP	BLD	DESIGN CAT CD	DESIGN CAT CD DESCRIPTION	GROSS AREA	UM1	CAPACITY	UM2	YR BUILT
2128	29440	Pearson	P	B	71114	FH CO/W0	1851	SF	1	FA	1961
2129	29420	Pearson	P	B	71114	FH CO/W0	1851	SF	1	FA	1961
2130	29421	Brault	P	B	71115	FH SR NCO	1838	SF	1	FA	1961
2131	29439	Brault	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2131	29459	Brault									
2132	29467	Brault	P	B	71115	FH SR NCO	3581	SF	2	FA	1961
2132	29489	Brault									
2133	29503	Brault	P	B	71115	FH SR NCO	3638	SF	2	FA	1961
2133	29521	Brault	P	U	82187	HEAT PLT GEO	0		120	MB	1961
2134	29500	Brault	P	B	71115	FH SR NCO	3581	SF	2	FA	1961
2134	29520	Brault									
2135	29478	Brault	P	B	71115	FH SR NCO	1851	SF	1	FA	1961
2136	29462	Brault	P	B	71115	FH SR NCO	1851	SF	1	FA	1961
2137	29448	Brault	P	B	71115	FH SR NCO	1851	SF	1	FA	1961
2138	29418	Brault	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2138	29436	Brault									
2139	29115	Brault	P	B	71115	FH SR NCO	3592	SF	2	FA	1961
2139	29127	Brault									
2140	29099	Brault	P	B	71115	FH SR NCO	1838	SF	1	FA	1961
2141	29063	Brault	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2141	29081	Brault									
2142	29061	Brault	P	B	71115	FH SR NCO	1851	SF	1	FA	1961
2143	29021	Brault	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2143	29039	Brault									
2144	47941	S. Brooks	P	B	71115	FH SR NCO	3537	SF	2	FA	1961
2144	47955	S. Brooks									
2145	47911	S. Brooks	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2145	47931	S. Brooks									
2146	47861	S. Brooks	P	B	71115	FH SR NCO	3841	SF	2	FA	1961

APPENDIX A. Table A-1
List of Parcels and Buildings USAG-S Seville Manor
 (Source USAG-S July 2006)

FACILITY NO.	ADDRESS	STREET	TYP	BLD	DESIGN CAT CD	DESIGN CAT CD DESCRIPTION	GROSS AREA	UM1	CAPACITY	UM2	YR BUILT
2146	47901	S. Brooks									
2147	47833	S. Brooks	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2147	47851	S. Brooks	P	U	82187	HEAT PLT GEO	0		120	MB	1961
2148	47821	S. Brooks	P	B	71115	FH SR NCO	1838	SF	1	FA	1961
2149	29028	Baker	P	B	71115	FH SR NCO	3581	SF	2	FA	1961
2149	29044	Baker									
2150	29050	Baker	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2150	29068	Baker									
2151	29078	Baker	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2151	29094	Baker									
2152	29106	Baker	P	B	71115	FH SR NCO	3592	SF	2	FA	1961
2152	29128	Baker									
2153	29136	Baker	P	B	71115	FH SR NCO	3581	SF	2	FA	1961
2153	29152	Baker									
2154	29160	Baker	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2154	29178	Baker									
2155	29141	Baker	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2155	29165	Baker									
2156	29129	Baker	P	B	71115	FH SR NCO	1851	SF	1	FA	1961
2157	29095	Baker	P	B	71115	FH SR NCO	3531	SF	2	FA	1961
2157	29111	Baker									
2158	29065	Baker	P	B	71115	FH SR NCO	3592	SF	2	FA	1961
2158	29083	Baker									
2159	29037	Baker	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2159	29055	Baker									
2160	29040	Bek	P	B	71115	FH SR NCO	1838	SF	1	FA	1961
2161	29058	Bek	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2161	29072	Bek									
2162	29086	Bek	P	B	71115	FH SR NCO	3581	SF	2	FA	1961

APPENDIX A. Table A-1
List of Parcels and Buildings USAG-S Seville Manor
 (Source USAG-S July 2006)

FACILITY NO.	ADDRESS	STREET	TYP	BLD	DESIGN CAT CD	DESIGN CAT CD DESCRIPTION	GROSS AREA	UM1	CAPACITY	UM2	YR BUILT
2162	29100	Bek									
2163	29112	Bek	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2163	29130	Bek									
2164	29144	Bek	P	B	71115	FH SR NCO	1851	SF	1	FA	1961
2165	29125	Bek	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2165	29139	Bek									
2166	29093	Bek	P	B	71115	FH SR NCO	3592	SF	2	FA	1961
2166	29111	Bek									
2167	29065	Bek	P	B	71115	FH SR NCO	3537	SF	2	FA	1961
2167	29079	Bek	P	S	87210	FENCING/WALLS	0		20	LF	1961
2168	29035	Bek	P	B	71115	FH SR NCO	3581	SF	2	FA	1961
2168	29053	Bek									
2169	29042	Brault	P	B	71115	FH SR NCO	1851	SF	1	FA	1961
2170	29062	Brault	P	B	71115	FH SR NCO	3407	SF	2	FA	1961
2170	29078	Brault									
2171	29092	Brault	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2171	29110	Brault									
2172	29118	Brault	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2172	29134	Brault									
2173	29417	Bek	P	B	71115	FH SR NCO	3592	SF	2	FA	1961
2173	29435	Bek									
2174	29445	Bek	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2174	29455	Bek									
2175	29465	Bek	P	B	71115	FH SR NCO	3581	SF	2	FA	1961
2175	29481	Bek									
2176	29499	Bek	P	B	71115	FH SR NCO	3592	SF	2	FA	1961
2176	29519	Bek									
2177	29498	Bek	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2177	29518	Bek									

APPENDIX A. Table A-1
List of Parcels and Buildings USAG-S Seville Manor
 (Source USAG-S July 2006)

FACILITY NO.	ADDRESS	STREET	TYP	BLD	DESIGN CAT CD	DESIGN CAT CD DESCRIPTION	GROSS AREA	UM1	CAPACITY	UM2	YR BUILT
2178	29464	Bek	P	B	71115	FH SR NCO	3581	SF	2	FA	1961
2178	29480	Bek									
2179	29444	Bek	P	B	71115	FH SR NCO	3592	SF	2	FA	1961
2179	29454	Bek									
2180	29416	Bek	P	B	71115	FH SR NCO	3592	SF	2	FA	1961
2180	29434	Bek									
2181	29415	Baker	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2181	29433	Baker									
2182	29443	Baker	P	B	71115	FH SR NCO	3581	SF	2	FA	1961
2182	29453	Baker									
2183	29463	Baker	P	B	71115	FH SR NCO	3407	SF	2	FA	1961
2183	29479	Baker									
2184	29497	Baker	P	B	71115	FH SR NCO	3508	SF	2	FA	1961
2184	29517	Baker	P	U	82187	HEAT PLT GEO	0		120	MB	1961
2185	29422	Baker	P	B	71114	FH CO/W0	3462	SF	2	FA	1961
2185	29438	Baker									
2186	29446	Baker	P	B	71115	FH SR NCO	3592	SF	2	FA	1961
2186	29458	Baker									
2187	29470	Baker	P	B	71115	FH SR NCO	3581	SF	2	FA	1961
2187	29482	Baker									
2188	29496	Baker	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2188	29522	Baker									
2189	29626	Baker	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2189	29648	Baker									
2190	29664	Baker	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2190	29680	Baker									
2191	29696	Baker	P	B	71115	FH SR NCO	3711	SF	2	FA	1961
2191	29708	Baker									
2192	29724	Baker	P	B	71115	FH SR NCO	1851	SF	1	FA	1961

APPENDIX A. Table A-1
List of Parcels and Buildings USAG-S Seville Manor
 (Source USAG-S July 2006)

FACILITY NO.	ADDRESS	STREET	TYP	BLD	DESIGN CAT CD	DESIGN CAT CD DESCRIPTION	GROSS AREA	UM1	CAPACITY	UM2	YR BUILT
2193	29705	Baker	P	B	71115	FH SR NCO	3711	SF	2	FA	1961
2193	29721	Baker									
2194	29671	Baker	P	B	71115	FH SR NCO	3537	SF	2	FA	1961
2194	29687	Baker									
2195	29659	Baker	P	B	71115	FH SR NCO	1851	SF	1	FA	1961
2196	29625	Baker	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2196	29641	Baker									
2197	29624	Bek	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2197	29640	Bek									
2198	29660	Bek	P	B	71115	FH SR NCO	1838	SF	1	FA	1961
2199	29670	Bek	P	B	71115	FH SR NCO	3638	SF	2	FA	1961
2199	29686	Bek									
2200	29700	Bek	P	B	71115	FH SR NCO	3592	SF	2	FA	1961
2200	29710	Bek									
2201	29701	Bek	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2201	29711	Bek									
2202	29683	Bek	P	B	71115	FH SR NCO	1851	SF	1	FA	1961
2203	29649	Bek	P	B	71115	FH SR NCO	3508	SF	2	FA	1961
2203	29665	Bek									
2204	29623	Bek	P	B	71115	FH SR NCO	3592	SF	2	FA	1961
2204	29637	Bek									
2205	29622	Brault	P	B	71115	FH SR NCO	3581	SF	2	FA	1961
2205	29634	Brault									
2206	29644	Brault	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2206	29660	Brault									
2207	29676	Brault	P	B	71115	FH SR NCO	3407	SF	2	FA	1961
2207	29690	Brault									
2208	29702	Brault	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2208	29714	Brault									

**APPENDIX A. Table A-1
List of Parcels and Buildings USAG-S Seville Manor
(Source USAG-S July 2006)**

FACILITY NO.	ADDRESS	STREET	TYP	BLD	DESIGN CAT CD	DESIGN CAT CD DESCRIPTION	GROSS AREA	UM1	CAPACITY	UM2	YR BUILT
2209	48437	Hawk	P	B	71115	FH SR NCO	1851	SF	1	FA	1961
2210	29703	Brault	P	B	71115	FH SR NCO	1851	SF	1	FA	1961
2211	29677	Brault	P	B	71115	FH SR NCO	3407	SF	2	FA	1961
2211	29691	Brault									
2212	29645	Brault	P	B	71115	FH SR NCO	3592	SF	2	FA	1961
2212	29661	Brault									
2213	29621	Brault	P	B	71115	FH SR NCO	3537	SF	2	FA	1961
2213	29635	Brault									
2214	29618	Pearson	P	B	71115	FH SR NCO	3722	SF	2	FA	1961
2214	29632	Pearson									
2215	29646	Pearson	P	B	71115	FH SR NCO	1838	SF	1	FA	1961
2216	29662	Pearson	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2216	29678	Pearson									
2217	29694	Pearson	Demolished 2004								
2217	29706	Pearson	Demolished 2004								
2218	29716	Pearson	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2218	29726	Pearson	P	S	87210	FENCING/WALLS	0		20	LF	1961
2219	29683	Pearson	P	B	71115	FH SR NCO	1851	SF	1	FA	1961
2220	29667	Pearson	Demolished 1994								
2221	29647	Pearson	P	B	71115	FH SR NCO	1851	SF	1	FA	1961
2222	29625	Pearson	P	B	71115	FH SR NCO	3407	SF	2	FA	1961
2222	29635	Pearson									
2223	29606	Hibbs	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2223	29620	Hibbs									
2224	29626	Hibbs	P	B	71115	FH SR NCO	3592	SF	2	FA	1961
2224	29648	Hibbs									
2225	29660	Hibbs	P	B	71115	FH SR NCO	1851	SF	1	FA	1961
2226	48477	Salitnik	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2226	48483	Salitnik									

APPENDIX A. Table A-1
List of Parcels and Buildings USAG-S Seville Manor
 (Source USAG-S July 2006)

FACILITY NO.	ADDRESS	STREET	TYP	BLD	DESIGN CAT CD	DESIGN CAT CD DESCRIPTION	GROSS AREA	UM1	CAPACITY	UM2	YR BUILT
2227	48451	Salitrnik	P	B	71115	FH SR NCO	3592	SF	2	FA	1961
2227	48465	Salitrnik									
2228	48448	Salitrnik	P	B	71115	FH SR NCO	3508	SF	2	FA	1961
2228	48462	Salitrnik									
2229	48468	Salitrnik	P	B	71115	FH SR NCO	3407	SF	2	FA	1961
2229	48474	Salitrnik									
2230	48494	Salitrnik	P	B	71115	FH SR NCO	1851	SF	1	FA	1961
2231	29746	Hibbs	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2231	29768	Hibbs									
2232	48479	Hawk	P	B	71115	FH SR NCO	1851	SF	1	FA	1961
2233	48475	Hawk	P	B	71115	FH SR NCO	3638	SF	2	FA	1961
2233	48493	Hawk									
2234	48453	Hawk	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2234	48461	Hawk									
2235	48628	Hawk	P	B	71115	FH SR NCO	3592	SF	2	FA	1961
2235	48634	Hawk									
2236	48596	Hawk	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2236	48604	Hawk									
2237	48562	Hawk	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2237	48574	Hawk									
2238	48548	Hawk	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2238	48552	Hawk									
2239	48538	Hawk	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2239	48542	Hawk									
2240	48532	Hawk	P	B	71115	FH SR NCO	3508	SF	2	FA	1961
2240	48534	Hawk									
2241	48526	Hawk	P	B	71115	FH SR NCO	3581	SF	2	FA	1961
2241	48528	Hawk									
2242	48518	Hawk	P	B	71115	FH SR NCO	3407	SF	2	FA	1961

APPENDIX A. Table A-1
List of Parcels and Buildings USAG-S Seville Manor
 (Source USAG-S July 2006)

FACILITY NO.	ADDRESS	STREET	TYP	BLD	DESIGN CAT CD	DESIGN CAT CD DESCRIPTION	GROSS AREA	UM1	CAPACITY	UM2	YR BUILT
2242	48522	Hawk									
2243	48502	Hawk	P	B	71115	FH SR NCO	3462	SF	2	FA	1961
2243	48512	Hawk									
2245			P	U	84210	WATER DIST POT	0		1240	LF	1960
2245			P	B	89141	WTR SUP/TRT BLD	544	SF	0		1960
2250			P	B	74066	YOUTH CENTER	5300	SF	0		1990
2300			P	S	87210	FENCING/WALLS	0		4991	LF	1961
2301			P	S	76020	MON/MEMORIALS	0		1	EA	1961
2302						PLAYGROUND GP			1	EA	1968
2303			P	S	69030	FAC INFO SIGN	0		1	EA	1984
2304			P	S	87210	FENCING/WALLS	0		421	LF	1968
2306			P	S	73070	MISC SHED	634	SF	0		1968
2400			P	S	85120	VEHICLE BRIDGE	124	SY	20	TN	1960
2402			P	S	85110	ROADS, PAVED	54782	SY	0.4	MI	1960
2405			P	S	85215	NONORG PK PAVD	16849	SY	0		1961
2408			P	S	85220	SIDEWALKS PVD	8764	SY	0		1961
2500			P	B	89131	SEW/WST WTR TRT	200	SF	0		1960
2500			P	U	83110	PRIMARY TREAT	0		1	KG	1960
2501			P	U	84610	WAT STR TK POT	0		150	GA	1960
2504			P	U	84210	WATER DIST POT	0		42915	LF	1960
2508			P	U	83210	SANITARY SEWER	0		56320	LF	1960
2512			P	S	87110	STORM SEWER	0		16213	LF	1960
2515			P	U	81241	OH ELECT LINES	0		63565	LF	1960
2518			P	U	81230	EXT LIGHTING	0		150	LF	1961
2519			P	U	81242	UNG ELECT LINES	0		400	LF	1994
90003			P	L	91110	LAND HELD PUR	103	AC	0		1960
BB001			T	S	69030	FAC INFO SIGN	0		1	EA	2002
CB001			P	U	89520	POLL CATCH BAS	0		1000	GA	1960
FRHYD			P	S	89240	FIRE HYDRANTS	0		27	EA	1960

APPENDIX A. Table A-1
List of Parcels and Buildings USAG-S Seville Manor
 (Source USAG-S July 2006)

FACILITY NO.	ADDRESS	STREET	TYP	BLD	DESIGN CAT CD	DESIGN CAT CD DESCRIPTION	GROSS AREA	UM1	CAPACITY	UM2	YR BUILT
PG021	29021	Brault	Demo	2005	75018	PLAYGROUND GP	0		1	EA	1968
PG092	29092	Brault	Demo	2005	75018	PLAYGROUND GP	0		1	EA	1968
PG156	48156	N. Brooks	Demo	2005	75018	PLAYGROUND GP	0		1	EA	1968
PG212	48212	Bialas	S	S	75018	PLAYGROUND GP	0		1	EA	2003
PG339	48339	Douglas	Demo	2005	75018	PLAYGROUND GP	0		1	EA	1968
PG347	48347	Hoenshell	Demo	2005	75018	PLAYGROUND GP	0		1	EA	1968
PG365	29365	Craw	S	S	75018	PLAYGROUND GP	0		1	EA	2003
PG436	29436	Brault	S	S	75018	PLAYGROUND GP	0		1	EA	2003
PG452	29542	Pearson	Demo	2005	75018	PLAYGROUND GP	0		1	EA	1968
PG453	29453	Baker	Demo	2005	75018	PLAYGROUND GP	0		1	EA	1968
PG493	48493	Hawk	Demo	2005	75018	PLAYGROUND GP	0		1	EA	1968
PG604	29604	Wright	Demo	2005	75018	PLAYGROUND GP	0		1	EA	1968
PG637	29637	Bek	Demo	2005	75018	PLAYGROUND GP	0		1	EA	1968
PG641	29641	Baker	Demo	2005	75018	PLAYGROUND GP	0		1	EA	1968
PG648	29648	Hibbs	S	S	75018	PLAYGROUND GP	0		1	EA	2003
PG678	29678	Pearson	Demo	2005	75018	PLAYGROUND GP	0		1	EA	1968
PG696	29696	Baker	Demo	2005	75018	PLAYGROUND GP	0		1	EA	1968
PG778	29778	Craw	Demo	2005	75018	PLAYGROUND GP	0		1	EA	1968
POLES			P	U	81230	EXT LIGHTING	0		200000	LF	1960
TRANS			P	U	81360	TRANSFORMERS	0		200000	KV	1960
WS001			T	S	73070	MISC SHED	80	SF	0		1995
WS002			T	S	73070	MISC SHED	80	SF	0		1994
WS003			T	S	73070	MISC SHED	80	SF	0		1994
WS004			T	S	73070	MISC SHED	80	SF	0		1994
WS005			T	S	73070	MISC SHED	80	SF	0		1994

**Appendix A Table A-2
Seville Manor Transformer Survey
Source (USAG-S September 2006)**

COUNT	ADDRESS	STREET	POLE	SERIAL NO	MANUFACTURER	KVA	GAL	FLUID	MOST RECENT SERVICE DATE	PCB	DATE TESTED	PCB	DATE TESTED	PCB	DATE TESTED	NOTES
1		Douglas	025	73776	T&R Electric	25	20	Mineral Oil	05/11/06	<2	05/14/06					FC= Factory Certified Non-PCB
2		Douglas	025	73832	T&R Electric	25	25	Mineral Oil	04/11/06	<2	05/13/06					
3	48518	Hawk	SM004	94064	T&R Electric	50	20	R-Temp	04/11/06	FC		<1	Apr-03	<1	Apr-02	
4	48437	Hawk	SM007	94052	T&R Electric	75	30	R-Temp	04/11/06	<2	05/05/04	<1	Apr-03	<1	Apr-02	
5	48453	Hawk	SM009	D90745859Y	General Electric	75	30	Mineral Oil	04/13/06	13	05/05/04	14	Apr-03	15	Apr-02	
6	48497	Hawk	SM011	D91166959Y	General Electric	75	30	Mineral Oil	04/17/06	5.1	05/05/04	2.8	Apr-03	1.6	Apr-02	
7	29746	Hibbs	SM015	94054	T&R Electric	75	25	R-Temp	04/17/06	<2	05/10/04	<1	Apr-03	<1	Apr-02	
8	29695	Hibbs	SM017	D96699759Y	General Electric	75	25	Mineral Oil	04/17/06	<2	05/12/04	<1	Apr-03	<1	Apr-02	
9	29626	Hibbs	SM019	D89474659Y	General Electric	75	25	Mineral Oil	04/17/06	<2	05/12/04	<1	Apr-03	<1	Apr-02	
10		Douglas	SM026	176028	Kuhlman	25	13.5	Mineral Oil	04/11/06	<2	05/13/06					
11		Douglas	SM026	178077	Kuhlman	25	13.5	Mineral Oil	04/11/06	<2	05/13/06					
12	29648	Baker	SM039	D97299859Y	General Electric	75	30	Mineral Oil	04/10/06	8.8	05/10/04	3.4	Apr-03	2.2	Apr-02	
13	29708	Baker	SM041	D43843559P	General Electric	50	30	Mineral Oil	04/10/06	4.6	05/05/04	<1	Apr-03	<1	Apr-02	
14	29700	Bek	SM042	D97824859Y	General Electric	75	25	Mineral Oil	04/11/06	<2	05/10/04	<1	Apr-03	<1	Apr-02	
15	29650	Bek	SM044	D95290759Y	General Electric	75	25	Mineral Oil	04/11/06	2.1	05/05/04	<1	Apr-03	<1	Apr-02	
16	29644	Brault	SM045	D95262459Y	General Electric	75	25	Mineral Oil	04/11/06	<2	05/05/04	<1	Apr-03	<1	Apr-02	
17	29702	Brault	SM047	D95393459Y	General Electric	75	25	Mineral Oil	04/11/06	2.1	05/05/04	<1	Apr-03	<1	Apr-02	
18	29678	Pearson	SM051	94015	T&R Electric	75	30	R-Temp	04/13/06	<2	05/10/04	<1	Apr-03	<1	Apr-02	
19	29618	Pearson	SM053	D90152859Y	General Electric	100	30	Mineral Oil	04/13/06	2	05/12/04	<1	Apr-03	<1	Apr-02	
20	48468	Salitnik	SM054	D95262559Y	General Electric	75	30	Mineral Oil	04/17/06	<2	05/13/06	16	Apr-03	17	Apr-02	

Recorded as 29640 Bek in 2002, 2003

**Appendix A Table A-2
Seville Manor Transformer Survey
Source (USAG-S September 2006)**

COUNT	ADDRESS	STREET	POLE	SERIAL NO	MANUFACTURER	KVA	GAL	FLUID	MOST RECENT SERVICE DATE	PCB	DATE TESTED	PCB	DATE TESTED	PCB	DATE TESTED	NOTES
21	29522	Hibbs	SM057	D94466559Y	General Electric	75	25	Oil Mineral Oil	04/17/06	3.4	05/12/04	4	Apr-03	2.6	Apr-02	Recorded as D91166559Y in 2002, 2003
22	29337	Hibbs	SM061	94032	T&R Electric	50	25	R-Temp	04/17/06	<2	05/10/04	<1	Apr-03	<1	Apr-02	
23	29251	Hibbs	SM063	931073987	Cooper	50	27	Mineral Oil	04/13/06	<2	05/17/04	<1	Apr-03	<1	Apr-02	
24	48281	N. Brooks	SM064	94082	T&R Electric	37.5	25	R-Temp	04/17/06	<2	05/12/04	<1	Apr-03	<1	Apr-02	Recorded as SN 94066 in 2002, 2003; SN recorded as 94802 in Apr 2006
25	48252	N. Brooks	SM065	94067	T&R Electric	37.5	20	R-Temp	04/13/06	<2	05/10/04					
26	48208	N. Brooks	SM066	D97026059Y	General Electric	75	35	Mineral Oil	04/13/06	12	05/17/04					
27	48144	N. Brooks	SM067	931073977	Cooper	50	20	Mineral Oil	04/13/06	<2	05/17/04					
28	29016	Pearson	SM068	94088	T&R Electric	50	30	R-Temp	04/13/06	<2	05/12/04	<1	Apr-03	<1	Apr-02	
29	48136	Bialas	SM070	D96859059Y	General Electric	75	25	Mineral Oil	04/13/06	2.8	05/10/04	<1	Apr-03	<1	Apr-02	
30	48222	Bialas	SM074	727K092018	McGraw Edison	75	25	Mineral Oil	04/13/06	<2	05/17/04	<1	Apr-03	<1	Apr-02	Recorded as 72ZK092013 in 2002, 2003
31	48330	Bialas	SM076	94083	T&R Electric	37.5	25	R-Temp	04/13/06	2	05/12/04	<1	Apr-03	<1	Apr-02	
32	29118	Brault	SM077	94065	T&R Electric	50	25	R-Temp	04/11/06	<2	05/05/04	<1	Apr-03	<1	Apr-02	SM077 recorded as SN 94066 in 2006
33	29062	Brault	SM079	0402170343	General Electric	100	25	Mineral Oil	04/13/06	<2	05/05/04	<1	Apr-03	<1	Apr-02	Former SN D92215059Y was replaced in Apr 2006
34	47901	S. Brooks	SM083	D921189559Y	General Electric	100	30	Mineral Oil	04/10/06	<2	05/05/04					
35	29044	Baker	SM086	D97300159Y	General Electric	75	25	Mineral Oil	04/10/06	4.2	05/10/04	<1	Apr-03	<1	Apr-02	

**Appendix A Table A-2
Seville Manor Transformer Survey
Source (USAG-S September 2006)**

COUNT	ADDRESS	STREET	POLE	SERIAL NO	MANUFACTURER	KVA	GAL	FLUID	MOST RECENT SERVICE DATE	PCB	DATE TESTED	PCB	DATE TESTED	PCB	DATE TESTED	NOTES
36	29094	Baker	SM088	D97299559Y	General Electric	75	25	Mineral Oil	04/10/06	10	05/10/04	8.8	Apr-03	7.8	Apr-02	Not inspected in 2006
37	29152	Baker	SM090	D97300059Y	General Electric	75	25	Mineral Oil			<1	Apr-03	<1	Apr-02		
38	29130	Bek	SM091	94056	T&R Electric	50	25	R-Temp	04/10/06	<2	05/05/04	<1	Apr-03	<1	Apr-02	
39	29086	Bek	SM092	D64130358Y	General Electric	75	25	Mineral Oil	04/10/06	<2	05/05/04	<1	Apr-03	<1	Apr-02	
40	29438	Baker	SM095	94055	T&R Electric	75	25	R-Temp	04/10/06	<2	05/05/04	<1	Apr-03	<1	Apr-02	
41	29482	Baker	SM097	77NE032001	McGraw Edison	75	25	Mineral Oil	04/10/06	<2	05/05/04	<1	Apr-03	<1	Apr-02	
42	29480	Bek	SM098	D96699559Y	General Electric	75	25	Mineral Oil	04/10/06	<2	05/05/04	<1	Apr-03	<1	Apr-02	
43	29434	Bek	SM100	D96699659Y	General Electric	75	25	Mineral Oil	04/10/06	<2	05/05/04	<1	Apr-03	<1	Apr-02	
44	29421	Brault	SM101	F4585413	Line Material Industries	75	20	Mineral Oil	04/11/06	2.6	05/10/04	<1	Apr-03	<1	Apr-02	
45	29489	Brault	SM103	D60290959Y	General Electric	75	25	Mineral Oil	04/11/06	<2	05/05/04	<1	Apr-03	<1	Apr-02	
46	29526	Pearson	SM104	804077224	Westinghouse	50	20	Mineral Oil	04/13/06	<2	05/17/04	<1	Apr-03	<1	Apr-02	
47	29452	Pearson	SM106	931071422	Cooper	75	41	Mineral Oil	04/13/06	<2	05/17/04	<1	Apr-03	<1	Apr-02	
48	48327	Hoenshell	SM108	D98929760Y	General Electric	75	30	Mineral Oil	04/13/06	13	05/17/04	20	Apr-03	22	Apr-02	
49	48319	Pearl	SM111	D96699859Y	General Electric	75	25	Mineral Oil	04/17/06	<2	05/12/04	<1	Apr-03	<1	Apr-02	
50	48227	Pearl	SM113	D96858959Y	General Electric	75	25	Mineral Oil	04/17/06	9.6	05/17/04	<1	Apr-03	<1	Apr-02	Recorded as D46858959Y in 2002, 2003
51	29510	Craw	SM126	94089	T&R Electric	50	25	R-Temp	04/17/06	<2	05/12/04					
52	29444	Craw	SM128	D99712859Y	General Electric	75	30	Mineral Oil	04/17/06	3.9	05/17/04	3.4	Apr-03	2.7	Apr-02	Recorded as D97025954 in 2002, 2003

**Appendix A Table A-2
Seville Manor Transformer Survey
Source (USAG-S September 2006)**

COUNT	ADDRESS	STREET	POLE	SERIAL NO	MANUFACTURER	KVA	GAL	FLUID	MOST RECENT SERVICE DATE	PCB	DATE TESTED	PCB	DATE TESTED	PCB	DATE TESTED	NOTES
53	29425	Craw	SM130	D97025959Y	General Electric	75	30	Mineral Oil	04/17/06	9.6	05/17/04	11	Apr-03	10	Apr-02	Recorded as D970259594 in 2002, 2003
54	29325	Craw	SM132	D36858859Y	General Electric	75	30	Mineral Oil	04/17/06	3	05/12/04	<1	Apr-03	<1	Apr-02	
55	48665	Douglas	SM136	F3527212	Line Material Industries	50	25	Mineral Oil	04/18/06	2.3	05/17/04	<1	Apr-03	<1	Apr-02	Recorded as D368588594 in 2002, 2003
56	29636	Craw	SM139	D21019257P	General Electric	100	30	Mineral Oil	04/18/06	3	05/12/04	4.3	Apr-03	3.4	Apr-02	
57	29742	Craw	SM142	188236912	Central Maloney	100	30	Mineral Oil	04/13/06	3.3	05/17/04	<1	Apr-03	<1	Apr-02	Recorded as D62757559Y in 2002, 2003
58	29601	Wright	SM147	D62757557Y	General Electric	100	30	Mineral Oil	04/18/06	9.9	05/12/04	15	Apr-03	14	Apr-02	
59	29541	Wright	SM149	94071	T&R Electric	37.5	25	R-Temp	04/18/06	<2	05/12/04	<1	Apr-03	<1	Apr-02	Recorded as SM141 in 2002, 2003
60	29710	Craw	SPQ141	94011	T&R Electric	37.5	25	R-Temp	04/18/06	<2	05/10/04	<1	Apr-03	<1	Apr-02	
61	Guard Sta	Hawk		P9327	Solomon	25	25	Mineral Oil	04/18/06	<2	05/13/06					

**APPENDIX B. Methodology and Data Record
Includes:**

- Title Information Seville Manor (Source EBS May 2004, Tetra Tech)
- Aerial photographs of Seville Manor for the years 1940, 1955, 1964, 1973, 1985, 1993, and 2000. (Source EBS May 2004, Tetra Tech)
- EDR Report for Seville Manor, October 23, 2003 (Source EBS May 2004, TetraTech)
- Sanborn Fire Insurance Maps (not available for Seville Manor area as of October 24, 2003, Source EBS May 2004, Tetra Tech)

SCHEDULE B

* (SEE PAGE 1)

The property described in Schedule A hereof is free and clear of all interests, encumbrances and defects of title and all other matters whatsoever of record, or which, though not of record, are known to this Corporation to exist, which are impairing, or adversely affecting the title to said property, EXCEPT THE FOLLOWING:

1. All taxes, including any special assessments against the foregoing land, up to and including the year 1958, have been paid.
2. Mechanic's Liens not of record.
3. Rights of Parties in Possession.
4. An easement 60 feet wide for a portion of the Sutherland and Oernig Drain in Private Claims 192 and 193, Town 3 North, Range 14 East, Chesterfield Township, Macomb County, Michigan, the center line of which is described as follows: Beginning at a point which is distant from the intersection of the Northwesterly line of Private Claim No. 193, with the Southerly line of Fractional Section 20, North 49 degrees 21 minutes 34 seconds East, 1495.56 feet along the Northwesterly line of Private Claim 193 and South 40 degrees 21 minutes 13 seconds East, 176.97 feet; thence, from this point of beginning, South 39 degrees 03 minutes 50 seconds West, 65.46 feet; thence South 40 degrees 27 minutes 00 seconds West, 101.44 feet; thence South 36 degrees 52 minutes 30 seconds West, 205.45 feet; thence South 36 degrees 36 minutes 10 seconds West, 102.84 feet; thence South 22 degrees 10 minutes 30 seconds West, 113.18 feet; thence South 11 degrees 31 minutes 10 seconds West, 341.55 feet; thence South 16 degrees 54 minutes 40 seconds West, 158.93 feet; thence South 37 degrees 08 minutes 50 seconds West, 307.83 feet; thence South 44 degrees 15 minutes 00 seconds West, 402.10 feet; thence South 40 degrees 27 minutes 00 seconds West, 121.70 feet to a point on the Northeasterly line of "Supervisor's Plat No. 12" as recorded in liber 18, pages 34 and 35 of plats, Macomb County Records, said point being distant South 48 degrees 59 minutes 00 seconds West, 287.50 feet along the Northwesterly line of Private Claim 193 and South 39 degrees 54 minutes 00 seconds East, 736.00 feet along subdivision line from the intersection of the Northwesterly line of Private Claim 193 with the Southerly line of Fractional Section 20.

NOTE: The former owners of this property, prior to the Declaration of Taking, entitled United States of America, vs. 36.71 acres of land, etc., in Civil No. 19175, filed June 18, 1959, in the United States District Court for the Eastern District of Michigan, Southern Division, were Edward J. Matejcik and Matilda Matejcik, his wife.

* DESCRIPTION CONTINUED.

West 2267.94 feet (along a line common with George Meldrum) to a point on the Northwesterly line of Private Claim 193; thence North 49 degrees 21 minutes 34 seconds East, 838.28 feet along said Northwesterly line of Private Claim 193 to the point of beginning. Said parcel contains 38.71 acres of land, more or less.

BURTON ABSTRACT AND TITLE CO.
350 East Congress Street
Detroit 26, Michigan

To: THE UNITED STATES OF AMERICA
Re: Selfridge Air Force Base, Michigan
(Capehart Family Housing) Site "D"

Application No. 85447
TRACT NO. 100

BURTON ABSTRACT AND TITLE CO., a Corporation organized and existing under the laws of the State of Michigan, with its principal office in the City of Detroit, State of Michigan, hereby certifies that it has made a thorough search of the title to the property described in SCHEDULE A hereof, beginning with the patent from the United States of America, and that the title to said property was indefeasibly vested in fee simple of record in (*SEE OVER)

as of the fourteenth day of May, 1959, free and clear of all encumbrances, defects, interests and all other matters whatsoever, either of record or otherwise known to the Corporation impairing or adversely affecting the title to said property, except as shown in SCHEDULE B hereof.

The Maximum Liability of the undersigned under Application No. 85447 is limited to the sum of \$ 1,000,000.

In consideration of the premium paid, this certificate is issued for the use and benefit of the United States of America.

IN WITNESS WHEREOF, said Corporation has caused these presents to be signed in its name and behalf, sealed with its corporate seal and delivered by its proper officer hereunto duly authorized, as of the date last above mentioned.

BURTON ABSTRACT AND TITLE CO.

By Philip J. Greco
Authorized Officer.

SCHEDULE A

The property covered by this certificate is accurately and fully described as follows: Part 1: Land in the Township of Chesterfield, Macomb County, Michigan described as: A parcel of land in Private Claim 192 and 193, Township 3 North, Range 14 East, Michigan Meridian, Chesterfield Township, Macomb County, Michigan more particularly described as follows: Commencing at the intersection of the Northwest line of Private Claim 193 and the south line of Section 20; thence North 52° 00' East, 1103.20 feet to the point of beginning; thence North 52° 00' East, 415.0 feet; thence South 37° 35' East, 1450.0 feet; thence South 52° 03' West, 27.4 feet; thence South 37° 35' East, 329.19 feet; thence South 22° 00' West, 449.46 feet along the centerline of Sugarbush Road; thence North 37° 35' West, 2004.02 feet to the point of beginning. Said parcel contains 17.90 acres, more or less.

Part 2: Land in the Township of Chesterfield, Macomb County, Michigan, described as: A parcel of land in Private Claim 193, Township 3 North, Range 14 East, Michigan Meridian, Chesterfield Township, Macomb County, Michigan, more particularly described as follows: Beginning at a point on the North line. (See Reverse Side)

*nothing was registered
copy of this is 2 more 38.7 hrs land of 37.90 (taking only 1st 2)
and amount of property
5/27/19*

The property described in Schedule A hereof is free and clear of all interests, encumbrances and defects of title and all other matters whatsoever of record, or which, though not of record, are known to this Corporation to exist, impairing or adversely affecting the title to said property, EXCEPT THE FOLLOWING:

1. All taxes, including any special assessments against the foregoing land, up to and including the year 1958, have been paid.

- 2. Mechanic's Liens not of record.
- 3. Rights of Parties in Possession.

***OWNERS:**

- Part 1: Edward J. Matejck and Matilda Matejck, his wife
- Part 2: Matilda Matejck
- Part 3: ~~Edward J. Matejck~~ Edward J. Matejck and Matilda Matejck, his wife.

Continuation of Description:

of Private Claim 193 which is North 52° 03' East, 668.5 feet from the intersection of the North line of Private Claim 193 and the South line of Section 20 extended; thence North 52° 03' East 434.7 feet along the northerly line of Private Claim 193; thence South 37° 35' East, 2004.02 feet to the centerline of Sugarbush Road; thence South 22° 00' West, 504.07 feet along said centerline; thence North 37° 35' West, 2256.55 feet to point of beginning. Said parcel contains 20.0 acres, more or less.

Part 3: Land in the Township of Chesterfield, Macomb County, Michigan, described as: A parcel of land in Private Claim 192 and 193, Township 3 North, Range 14 East, Michigan Meridian, Chesterfield Township, Macomb County, Michigan, more particularly described as follows: Commencing at the Northeast corner Private Claim 192; thence South 49° 11' West, 1876.4 feet; thence South 49° 43' West, 1791.75 feet to point of beginning; thence South 49° 31' 30" West, 661 feet; thence South 49° 18' West 289.3 feet; thence South 40° 21' East, 2014.87 feet; thence North 19° 11' East, 505.17 feet; thence North 53° 52' East, 510.5 feet; thence North 40° 11' West, 1798.96 feet to the point of beginning; except commencing at intersection of the Northwest line of Private Claim 193 and South line of Section 20; thence North 52° 00' East, 1103.20 feet to point of beginning; thence North 52° 00' East, 415 feet; thence South 37° 35' East, 1450 feet; thence South 52° 03' West, 27.40 feet; thence South 37° 35' East, 329.19 feet; thence South 22° 00' West, 449.46 feet along the centerline of Sugarbush Road; thence North 37° 35' West, 2004.02 feet to point of beginning. Said parcel contains 22.21 acres, more or less.

4. Subject to a 60 foot easement for drain purposes across the Northerly part of subject property as shown on the survey dated August 4, 1958.

(Signature)

(Signature)

Design use	Description	Street	Add.	Fac.No.	S.F. / Area	TDAC	Year blt.	Year Insp./Rep.
		Pearl	48000			K29100	1961	
			319	106	1,851			
			324	113	1,838			
			339	105	1,851			
			342	114	1,851			
		Pearson	29000					
71114	F.H. C.O./W.O.		016	085	3,462			
			034					
			046	086	3,462			
			064					
			076	087	1,838			
			094	088	1,851			
			108	089	3,462			
			124					
			420	129	1,851			
			440	128	1,851			
			443	118	3,462			
			461					
			452	127	3,508			
			468					
			512	126	1,838			
			521	119	3,462			
			533					
			526	125	3,462			
			540					
71115	F.H. Sr. NCO		618	214	3,462			
			632					
			625	222	3,407			
			635					
			646	215	1,838			
			647	221	1,851			
			662	216	3,462			
			678					
			683	219	1,851			
			694	217	3,407			
			706					
			716	218	3,462			
			726					
		Sattnik	48000					
71115	F.H. Sr. NCO		448	228	3,508			
			462					
			451	227	3,462			
			465					
			468	229	3,407			
			474					
			477	226	3,462			
			483					
			494	230	1,851			
		Wright	29000					
71114	F.H. LtC./Maj.		515	030	1,851			
			525	031	1,838			
			541	032	1,851			
			561	033	1,851			
			558	051	1,838			
			579	034	1,851			
			580	050	1,851			

PEARL 3/16/00
 (DU = (4)
 SF = 7391 #
PEARSON
 DU =
 SF =

PEARSON 3/16/00
 DU = (32)
 SF = 56249 #
SATNIK
 DU = (9)
 SF = 15690 #
WRIGHT
 DU = (14)
 SF = 25862 #

Design use	Description	Street	Add.	Fac.No.	S.F. / Area	TDAC	Year blt.	Year Insp./Rep.
		Wright	29000			K29100	1961	
			601	035	1,851			
			604	049	1,851			
			623	036	1,851			
			626	048	1,851			
			641	037	1,838			
			650	047	1,838			
			659	038	1,851			
82210	Water Dist. Pot.	Douglas		02245	1,240	K11300	1960	
89141	Water Sup./Trt. Bldg.			02245	544	K29300	1960	
74066	Youth Center	Pearl	47810	02250	5,300	K28200	1990	
87210	Fencing / Walls			02300	4,991	K63000	1961	
76020	Mon./Memorials	Douglas		02301	1 ea.	K63000	1961	
75018	Playground Gp.	Pearl		02302	1 ea.	K63000	1968	
75018	Playgrounds	Various		02302	ea 19	K63000	1987	
69030	Facility Info. Sign	Douglas		02303	1 ea.	K63000	1990	
87210	Fencing / Walls			02304	421	K63000	1968	
73055	Person. Shltr. Bus Stop		Part.#	02306				
		Doug/Pearl/Bra	WS001		80	K63000	1995	
		Doug/Craw	WS002		80	K63000	1994	
		Pearl/Brault	WS003		80	K63000	1994	
		Pearl/2250	WS004		80	K63000	1994	
		Hibbs/Hoh/Pearl	WS005		80	K63000	1994	
85120	Vehicle Bridge	Douglas		02400	124	K54110	1960	
85110	Roads, Surfaced			02402	54,782	K51010	1960	
85215	Nonorg. Park. Surf.			02405	16,087	K53200	1961	
85220	Sidewalks Surf.			02408	8,764	K53100	1961	
83110	Sew./Ind. Wst. Treat.			02500	KG 1.0	K12100	1960	
89131	Sew./Ind. Wst. Trt. Bldg			02500	200	K29400	1960	
84610	Water Str. Tank Pot.	Douglas		02501	150,000	K11200	1960	
84210	Water Dist. Pot.			02504	42,915	K11300	1960	
83210	Sanitary Sewer			02508	56,320	K12300	1960	
87110	Storm Sewer			02512	16,213	K31000	1960	
81241	OH Electric Lines			02515	63,565	K31210	1960	
81230	Exterior Lighting			02518	150	K13400	1961	
81242	Ung. Electric Lines			02519	400	K13220	1994	
	Transformers			TRANS		K13300	1960	
	Utility Poles			POLES		K13300	1960	

**BUS STOPS
SEBILLE**

73055	Bus Stops / Per. Sltr.	Douglas/Pearl		WS001				
	Bus Stops / Per. Sltr.	Doug/Craw		WS002				
	Bus Stops / Per. Sltr.	Pearl/Brault		WS003				
	Bus Stops / Per. Sltr.	Pearl / 2250		WS004				
	Bus Stops / Per. Sltr.	Hibbs/Hoh/Pearl		WS005				

PLAYGROUNDS

Part. # SP###

75018	Playgrounds	Bak/Sug		SP100	900	K63000	1993	
		Baker/Bek		101				
		Bek/Brault		102				
		Brault/Pearson		104				
		Pearson/Hibbs		105				
		Saltmik/Hawk		106				
		CrawCircle		107				
		Craw/Douglas	s	A08				

TRANSFER AND ACCEPTANCE OF MILITARY REAL PROPERTY

ITEM NO.	CATEGORY CODE	FACILITY (Category description)	NO. OF UNITS	TYPE	UNIT OF MEAS.	TOTAL QUANTITY	COST	DRAWING NUMBERS	REMARKS	7. SERIAL NUMBER	8. CONTRACT NUMBER	9. JOB NUMBER		10. PROJECT NUMBER
												1. FROM: (Installation/Activity/Service) and Zip code)	2. OPERATING UNIT	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
		<p>1. FROM: (Installation/Activity/Service) and Zip code) USP&FO for Michigan 3111 West St. Joseph Lansing, MI 48913-5102</p> <p>9. TO: (Installation/Activity/Service) and Zip code) U.S. Army Tank Automotive Command ATTN: AMSTA-XE Warren, MI 48397-5000</p>	20	21	22	23	24	25	26	27	28	29	30	31
		<p>PHASE I (LAND AND FACILITIES) OF TWO PHASES Transfer of a portion of the Selfridge Air National Guard Base, Michigan. Area being transferred will be named the Detroit Area Support Center. LAND: Capehart Housing Area</p>												
1.		<p>Wherry Housing Area, Appropriated Fund Housing Area, and Quality of Life Facilities Area</p>	102.69	Fee	Ac.	102.69	\$103,128.85							
2.		<p>TOTAL ACREAGE AND ORIGINAL COST</p>	622.69	Fee	Ac.	622.69	\$321,977.05							

NOTE: Items 1 and 2

The following exhibits are attached hereto in order to assist in describing the land to be transferred:

- EXHIBIT A - Maps
- EXHIBIT B - Legal Descriptions
- EXHIBIT C - Breakdown of tracts & original cost.

BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2001 - Fam Hsg	1 FA	P	SF	1,450	\$ 13,492.00
Atch Carport	1 VE	--	SF	401	--
#2002 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2003 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2004 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2005 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2006 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2007 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2008 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2009 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2010 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2011 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2012 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2013 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2014 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--

Capehart Housing Area

EXHIBIT E

BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2015 - Fam Hsg	1 FA	P	SF	1,450	\$ 13,492.00
Atch Carport	1 VE	--	SF	401	--
#2016 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2017 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2018 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2019 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2020 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2021 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2022 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2023 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2024 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2025 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2026 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2027 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2028 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	---

Capehart Housing Area

BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2029 - Fam Hsg	1 FA	P	SF	1,450	\$ 13,492.00
Atch Carport	1 VE	--	SF	401	--
#2030 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2031 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2032 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2033 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2034 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2035 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2036 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2037 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2038 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2039 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2040 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2041 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2042 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--

BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2043 - Fam Hsg	2 FA	P	SF	2,652	\$ 26,984.00
Atch Carport	2 VE	--	SF	810	--
#2044 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2045 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2046 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2047 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2048 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2049 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2050 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2051 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2052 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2053 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2054 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2055 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2056 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--

BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2057 - Fam Hsg	1 FA	P	SF	1,450	\$ 13,492.00
Atch Carport	1 VE	--	SF	388	--
#2058 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2059 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	808	--
#2060 - Fam Hsg	2 FA	P	SF	2,700	27,229.80
Atch Carport	2 VE	--	SF	808	--
#2061 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2062 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2063 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--
#2064 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2065 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2066 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2067 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--
#2068 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2069 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2070 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--

BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2071 - Fam Hsg	2 FA	P	SF	2,652	\$ 26,984.00
Atch Carport	2 VE	--	SF	810	--
#2072 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2073 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2074 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2075 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2076 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2077 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2078 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2079 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2080 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2081 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2082 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2083 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2084 - Fam Hsg	2 FA	P	SF	2,700	27,085.88
Atch Carport	2 VE	--	SF	707	--

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BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGE, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2085 - Fam Hsg	2 FA	P	SF	2,652	\$ 26,984.00
Atch Carport	2 VE	--	SF	810	--
#2086 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2087 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2088 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2089 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2090 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	808	--
#2091 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2092 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	707	--
#2093 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2094 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	808	--
#2095 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--
#2096 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2097 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2098 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--

BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2099 - Fam Hsg	1 FA	P	SF	1,450	\$ 13,492.00
Atch Carport	1 VE	--	SF	401	--
#2100 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2101 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2102 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2103 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2104 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2105 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2106 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2107 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2108 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--
#2109 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2110 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2111 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2112 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--

BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2113 - Fam Hsg	1 FA	P	SF	1,450	\$ 13,492.00
Atch Carport	1 VE	--	SF	388	--
#2114 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2115 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2116 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2117 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2118 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2119 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2120 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2121 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2122 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2123 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2124 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2125 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2126 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--

Capehart Housing Area

BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2127 - Fam Hsg	2 FA	P	SF	2,700	\$ 26,984.00
Atch Carport	2 VE	--	SF	808	--
#2128 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2129 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2130 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2131 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2132 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--
#2133 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	808	--
#2134 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--
#2135 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2136 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2137 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2138 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2139 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2140 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--

Capehart Housing Area

BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2141 - Fam Hsg	2 FA	P	SF	2,652	\$ 26,984.00
Atch Carport	2 VE	--	SF	810	--
#2142 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2143 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2144 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	707	--
#2145 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2146 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--
#2147 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2148 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2149 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--
#2150 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2151 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2152 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2153 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--
#2154 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--

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BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2155 - Fam Hsg	2 FA	P	SF	2,652	\$ 26,984.00
Atch Carport	2 VE	--	SF	810	--
#2156 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2157 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	707	--
#2158 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2159 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2160 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2161 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2162 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--
#2163 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2164 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2165 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2166 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2167 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	707	--
#2168 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--

Capehart Housing Area

BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2169 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2170 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	707	--
#2171 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2172 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2173 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2174 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2175 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--
#2176 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2177 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2178 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--
#2179 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2180 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2181 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2182 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--

2001
10/11/01

BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2183 - Fam Hsg	2 FA	P	SF	2,700	\$ 26,984.00
Atch Carport	2 VE	--	SF	707	--
#2184 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	808	--
#2185 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2186 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2187 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--
#2188 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2189 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2190 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2191 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--
#2192 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2193 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--
#2194 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	707	--
#2195 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2196 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--

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BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2197 - Fam Hsg	2 FA	P	SF	2,652	\$ 26,984.00
Atch Carport	2 VE	--	SF	810	--
#2198 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2199 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	808	--
#2200 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2201 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2202 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2203 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	808	--
#2204 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2205 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	929	--
#2206 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2207 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	707	--
#2208 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2209 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2210 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--

BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2211 - Fam Hsg	2 FA	P	SF	2,700	\$ 26,984.00
Atch Carport	2 VE	--	SF	707	--
#2212 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2213 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	707	--
#2214 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2215 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	388	--
#2216 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2217 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	707	--
#2218 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	P	SF	810	--
#2219 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2220 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2221 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2222 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	707	--
#2223 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2224 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--

125
126
127
128

BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2225 - Fam Hsg	1 FA	P	SF	1,450	\$ 13,492.00
Atch Carport	1 VE	--	SF	401	--
#2226 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2227 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2228 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	808	--
#2229 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	707	--
#2230 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2231 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2232 - Fam Hsg	1 FA	P	SF	1,450	13,492.00
Atch Carport	1 VE	--	SF	401	--
#2233 - Fam Hsg	2 FA	P	SF	2,700	26,984.00
Atch Carport	2 VE	--	SF	808	--
#2234 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2235 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2236 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2237 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2238 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--
#2239 - Fam Hsg	2 FA	P	SF	2,652	26,984.00
Atch Carport	2 VE	--	SF	810	--

Capehart Housing Area

BURTON ABSTRACT AND TITLE CO.
350 East Congress Street
Detroit 26, Michigan

To: THE UNITED STATES OF AMERICA
Re: Selfridge Air Force Base, Michigan
(Capehart Family Housing, Site)

Application No. 85447
TRACT NO. 101

BURTON ABSTRACT AND TITLE CO., a Corporation organized and existing under the laws of the State of Michigan, with its principal office in the City of Detroit, State of Michigan, hereby certifies that it has made a thorough search of the title to the property described in SCHEDULE A hereof, beginning with the patent from the United States of America, and that the title to said property was indefeasibly vested in fee simple of record in the United States of America as of the 26th day of July, 1959, free and clear of all encumbrances, defects, interests and all other matters whatsoever, either of record or otherwise known to the Corporation impairing or adversely affecting the title to said property, except as shown in SCHEDULE B hereof.

The Maximum liability of the undersigned under Application No. 85447 is limited to the sum of \$ 7,000.00. In consideration of the premium paid, this certificate is issued for the use and benefit of the United States of America.

IN WITNESS WHEREOF, said Corporation has caused these presents to be signed in its name and behalf, sealed with its corporate seal and delivered by its proper officer thereunto duly authorized, as of the date last above mentioned.

BURTON ABSTRACT AND TITLE CO.

By [Signature]
Authorized Officer

SCHEDULE A
The property covered by this certificate is accurately and fully described as follows:
A parcel of land in Private Claim 193, Township 3 North, Range 14 East, Michigan Meridian, Chesterfield Township, Macomb County, Michigan, described as follows: Beginning at a point on the Northwesterly line of Private Claim 193, distant North 49 degrees 21 minutes 34 seconds East, 270.00 feet from the intersection of the Northwesterly line of Private Claim 193 with the Southerly line of Fractional Section 20; thence from this point of beginning, North 49 degrees 21 minutes 34 seconds East, 387.22 feet along the said Private Claim line; thence South 40 degrees 25 minutes 34 seconds East, 2267.94 feet (along a line common with Matilda Matejck) to the centerline of Sugar Bush Road; thence South 18 degrees 48 minutes 47 seconds West, 443.50 feet along said centerline of Sugar Bush Road; thence North 40 degrees 34 minutes 00 seconds West, 2493.34 feet (along a line common with Carl Hauswirth) to the point of beginning.
Said parcel contains 21.00 acres of land, more or less.

(See Reverse Side)

SCHEDULE B

The property described in Schedule A hereof is free and clear of all interests, encumbrances and defects of title and all other matters whatsoever of record, or which, though not of record, are known to this Corporation to exist, impairing or adversely affecting the title to said property; EXCEPT THE FOLLOWING:

- 1. All taxes, including any special assessments against the foregoing land, up to and including the year 1958 have been paid.
- 2. Mechanic's liens not of record.
- 3. Rights of Parties in Possession.
- 4. An easement 60 feet wide for a portion of the Sutherland and Oemig Drain in Private Claims 192 and 193, Town 3 North, Range 14 East, Cheaterfield Township, Macomb County, Michigan, the center line of which is described as follows: Beginning at a point which is distant from the intersection of the Northwesterly line of Private Claim No. 193, with the Southerly line of Fractional Section 20, North 49 degrees 21 minutes 34 seconds East, 1495.56 feet along the Northwesterly line of Private Claim 193 and South 40 degrees 21 minutes 13 seconds East, 176.97 feet, thence, from this point of beginning, South 39 degrees 03 minutes 50 seconds West, 65.46 feet; thence South 40 degrees 27 minutes 00 seconds West, 101.44 feet; thence South 36 degrees 52 minutes 30 seconds West, 205.45 feet; thence South 36 degrees 36 minutes 10 seconds West, 102.84 feet; thence South 22 degrees 10 minutes 30 seconds West, 113.18 feet; thence South 11 degrees 31 minutes 10 seconds West, 341.55 feet; thence South 16 degrees 54 minutes 40 seconds West, 158.93 feet; thence South 37 degrees 08 minutes 50 seconds West, 307.83 feet; thence South 44 degrees 15 minutes 00 seconds West, 402.10 feet; thence South 40 degrees 27 minutes 00 seconds West, 121.70 feet to a point on the Northeasterly line of "Supervisor's Plat No. 12" as recorded in Liber 18 of plats, on pages 34 and 35, Macomb County Records, said point being distant South 48 degrees 59 minutes 00 seconds West, 287.50 feet along the Northwesterly line of Private Claim 193 and South 39 degrees 54 minutes 00 seconds East, 736.00 feet along subdivision line from the intersection of the Northwesterly line of Private Claim 193 with the Southerly line of Fractional Section 20.

NOTE: The former owners of this property, prior to the Declaration of Taking, entitled United States of America, vs. 21.00 acres of land, etc., in Civil No. 19175, filed June 18, 1959 in the United States District Court for the Eastern District of Michigan, Southern Division, were George Meldrum and Sylvia Meldrum, his wife.

BURTON ABSTRACT AND TITLE CO.
350 East Congress Street
Detroit 26, Michigan

To: THE UNITED STATES OF AMERICA
Re: Selfridge Air Force Base, Michigan
(Capehart Family Housing Site)

Application No. 85447
TRACT NO. 101

BURTON ABSTRACT AND TITLE CO., a Corporation organized and existing under the laws of the State of Michigan, with its principal office in the City of Detroit, State of Michigan, hereby certifies that it has made a thorough search of the title to the property described in SCHEDULE A hereof, beginning with the patent from the United States of America, and that the title to said property was indefeasibly vested in fee simple of record in George Meldrum and Sylvia Meldrum, his wife as of the fourteenth day of May, 1959 free and clear of all encumbrances, defects, interests and all other matters whatsoever, either of record or otherwise known to the Corporation impairing or adversely affecting the title to said property, except as shown in SCHEDULE B hereof.

The Maximum liability of the undersigned under Application No. 85447 is limited to the sum of \$ 1,000.00

In consideration of the premium paid, this certificate is issued for the use and benefit of the United States of America.

IN WITNESS WHEREOF, said Corporation has caused these presents to be signed in its name and behalf, sealed with its corporate seal and delivered by its proper officer thereunto duly authorized, as of the date last above mentioned.

BURTON ABSTRACT AND TITLE CO.

By [Signature]
Authorized Officer

SCHEDULE A

The property covered by this certificate is accurately and fully described as follows: Land in the Township of Chesterfield, Macomb County, Michigan, described as: A parcel of land in Private Claim 193, Township 3 North, Range 14 East, Michigan Meridian, Chesterfield Township, Macomb County, Michigan, more particularly described as follows: Beginning at a point 270 feet North 49° 18' East of the intersection of the northwesterly line of said Private Claim 193 with the southerly line of Fractional Section 20; thence continuing North 49° 18' East 387.22 feet along the northwesterly line of Private Claim 193; thence South 40° 21' East approximately 2267.94 feet (along a common property line with Matilda Matejck) to a point on the centerline of Sugarbush Road; thence South 19° 11' West 443.5 feet along said centerline of Sugarbush Road; thence North 40° 28' West 2490.44 feet (along a common property line with Carl Hauswirth) to the point of beginning. Said parcel contains 21.02 acres, more or less.

(See Reverse Side)

*Selfridge Air Force Base
21.02 acres
land owned
by the
military
5/11/59*

SCHEDULE B

The property described in Schedule A hereof is free and clear of all interests, encumbrances and defects of title and all other matters whatsoever of record, or which, though not of record, are known to this Corporation to exist, impairing or adversely affecting the title to said property, EXCEPT THE FOLLOWING:

1. All taxes, including any special assessments against the foregoing land, up to and including the year 1958, have been paid.
2. Mechanic's Liens not of record.
3. Rights of Parties in Possession.
4. Subject to a 60 foot easement for drain purposes across the Northerly part of subject property as shown by survey dated August 4, 1958.

BURTON ABSTRACT AND TITLE CO.
350 East Congress Street
Detroit 26, Michigan

To: THE UNITED STATES OF AMERICA

Application No. 85447

Re: Selfridge Air Force Base, Michigan
(Capehart Family Housing Site).

TRACT NO. 102

BURTON ABSTRACT AND TITLE CO., a Corporation organized and existing under the laws of the State of Michigan, with its principal office in the City of Detroit, State of Michigan, hereby certifies that it has made a thorough search of the title to the property described in SCHEDULE A hereof, beginning with the patent from the United States of America, and that the title to said property was indefeasibly vested in fee simple of record in

United States of America as of the 6th day of July, 1959 free and clear of all encumbrances, defects, interests and all other matters whatsoever, either of record or otherwise known to the Corporation impairing or adversely affecting the title to said property, except as shown in SCHEDULE B hereof.

The Maximum liability of the undersigned under Application No. 85447 is limited to the sum of \$ 16,000.00

In consideration of the premium paid, this certificate is issued for the use and benefit of the United States of America.

IN WITNESS WHEREOF, said Corporation has caused these presents to be signed in its name and behalf, sealed with its corporate seal and delivered by its proper officer thereunto duly authorized, as of the date last above mentioned.

BURTON ABSTRACT AND TITLE CO.

By [Signature]
Authorized Officer

SCHEDULE A

The property covered by this certificate is accurately and fully described as follows:

A parcel of land in Private Claim 193, Township 3 North, Range 14 East, Michigan Meridian, Chesterfield Township, Macomb County, Michigan, described as follows: Beginning at the intersection of the northwesterly line of Private Claim 193 with the southerly line of Fractional Section 20; thence north 49 degrees 21 minutes 34 seconds East 270.00 feet along said northwesterly line of Private Claim 193; thence south 40 degrees 34 minutes 00 seconds East 2493.34 feet (along a line common with George Meldrum) to the centerline of Sugar Bush Road; thence south 18 degrees 48 minutes 47 seconds West 102.33 feet along said centerline of Sugar Bush Road; thence south 52 degrees 09 minutes 15 seconds West 499.30 feet along the centerline of Sugar Bush Road to the northeasterly line of "Supervisor's Plat No. 12" as recorded in Liber 18, of Plats, on pages 34 and 35, Macomb County Records; thence north 39 degrees 54 minutes 00 seconds West 2519.33 feet along said northeasterly line of "Supervisor's Plat No. 12" to the most northerly corner of said Plat, being also the centerline of Donner Road; thence north 48 degrees 59 minutes 00 seconds East 287.50 feet along said centerline of Donner Road to the point of beginning; Containing 33.24 acres of land, more or less. (See Reverse Side)

*(SEE OVER)

SCHEDULE B

The property described in Schedule A hereof is free and clear of all interests, encumbrances and defects of title and all other matters whatsoever of record, or which, though not of record, are known to this Corporation to exist, impairing, or adversely affecting the title to said property, EXCEPT THE FOLLOWING:

1. All taxes, including any special assessments against the foregoing land, up to and including the year 1958 have been paid.
2. Mechanic's Liens: not of record.
3. Rights of Parties in Possession.
4. *** (SEE ATTACHED RIDER FOR EASEMENTS DESCRIPTION).

NOTE: The former owners of this property, prior to the Declaration of Taking, entitled United States of America, vs. 42.98 acres of land, etc., in Civil No. 19175, filed June 18, 1959 in the United States District Court for the Eastern District of Michigan, Southern Division, were Carl Hauswirth and Margaret Hauswirth, his wife.

Charles Moskowitz, formerly held a Leasehold interest, as lessee under an Oil and Gas Lease, dated January 5, 1959.

* DESCRIPTION OF REAL ESTATE CONTINUED.

ALSO, All that part of Lot 1 lying southeasterly of the centerline of the Sutherland and Oernig Drain, of "Supervisor's Plat No. 12" of part of Private Claim 193, Township 3 North, Range 14 East, Michigan Meridian, Chesterfield Township, Macomb County, Michigan, as recorded in Liber 18 of plats, on pages 34 and 35, Macomb County Records, and more particularly described as follows: Beginning at the most easterly corner of said Lot 1, thence south 52 degrees 03 minutes 30 seconds, West 239.40 feet along the southeasterly line of said Lot; thence north 40 degrees 03 minutes 07 seconds West, 1766.48 feet along the southwesterly line of said lot to a point on the centerline of said drain; thence north 57 degrees 30 minutes 39 seconds East 221.15 feet along said centerline; thence north 40 degrees 27 minutes 00 seconds East 25.00 feet along said centerline to a point on the northeasterly line of said Lot; thence south 39 degrees 54 minutes 00 seconds East 1750.31 feet along said lot line to the point of beginning. Containing 9.74 acres of land, more or less.

Said Tract No. 102 contains a total acreage of 42.98 acres of land, more or less.

SCHEDULE B

The property described in Schedule A hereof is free and clear of all interests, encumbrances and defects of title and all other matters whatsoever of record, or which, though not of record, are known to this Corporation to exist, impairing, or adversely affecting the title to said property, EXCEPT THE FOLLOWING:

1. All taxes, including any special assessments against the foregoing land, up to and including the year *SEE BELOW have been paid.
2. Mechanic's Liens not of record.
3. Rights of Parties in Possession.

* All taxes, including any special assessments against the foregoing land, up to and including the year 1956 have been Paid, as to all of subject property except the Southeast 10 acres of Lot 1, Supervisors' Plat No. 12 of said Chesterfield Township. (1957 and 1958 Taxes Unpaid).

All taxes, including any special assessments against the foregoing land, up to and including the year 1957 have been paid, as to that portion of subject property described as: The southeast 10 acres of Lot 1, Supervisors' Plat No. 12 of said Chesterfield Township. (1958 Taxes Unpaid).

4. Mortgage for \$2,600.00 executed by Carl Hauswirth and Margaret Hauswirth, his wife, to The Marine Savings Bank, a Michigan Banking Corporation, of Marine City, Michigan, dated September 21, 1951 and recorded October 5, 1951 in liber 569, page 306 of mortgages, Register No. 91471.

5. Subject to the Leasehold interest of Charles Moskowitz, lessee under an Oil and Gas Lease, dated January 5, 1959, as disclosed in Application.

RIDER

TRACT NO. 102

**(DESCRIPTION OF EASEMENTS)

4. An easement 60 feet wide for a portion of the Sutherland and Oemig Drain in Private Claims 192 and 193, Town 3 North, Range 14 East, Chesterfield Township, Macomb County, Michigan, the center line of which is described as follows: Beginning at a point which is distant from the intersection of the Northwesterly line of Private Claim No. 193, with the Southerly line of Fractional Section 20, North 49 degrees 21 minutes 34 seconds East, 1495.56 feet along the Northwesterly line of Private Claim 193 and South 40 degrees 21 minutes 13 seconds East, 176.97 feet, thence, from this point of beginning, South 39 degrees 03 minutes 50 seconds West, 65.46 feet; thence South 40 degrees 27 minutes 00 seconds West, 101.44 feet; thence South 36 degrees 52 minutes 30 seconds West, 205.45 feet; thence South 36 degrees 36 minutes 10 seconds West, 102.84 feet; thence South 22 degrees 10 minutes 30 seconds West, 113.18 feet; thence South 11 degrees 31 minutes 10 seconds West, 341.55 feet; thence South 16 degrees 54 minutes 40 seconds West, 158.93 feet; thence South 37 degrees 08 minutes 50 seconds West, 307.83 feet; thence South 44 degrees 15 minutes 00 seconds West, 402.10 feet; thence South 40 degrees 27 minutes 00 seconds West, 121.70 feet to a point on the Northeasterly line of "Supervisor's Plat No. 12" as recorded in liber 18 of plats, on pages 34 and 35, Macomb County Records, said point being distant South 48 degrees 59 minutes 00 seconds West, 287.50 feet along the Northwesterly line of Private Claim 193 and South 39 degrees 54 minutes 00 seconds East, 736.00 feet along subdivision line from the intersection of the Northwesterly line of Private Claim 193 with the Southerly line of Fractional Section 20.

ALSO. An easement for the Sutherland and Oemig Drain, more particularly described as follows: An easement 30 feet wide for said Sutherland and Oemig Drain through Lot 1 of "Supervisor's Plat No. 12" aforesaid, lying Southeast of the center line of said drain, described as follows: Beginning at a point on the Northeasterly line of said "Supervisor's Plat No. 12" distant South 39 degrees 54 minutes 00 seconds East, 736.00 feet from the most northerly corner of said Plat; thence, from this point of beginning, South 40 degrees 27 minutes 00 seconds West, 25.00 feet; thence South 57 degrees 30 minutes 39 seconds West 221.15 feet to the Southwesterly line of Lot No. 1 of said Plat; thence South 40 degrees 03 minutes 07 seconds East, 30.26 feet along said Lot line; thence North 57 degrees 30 minutes 39 seconds East, 221.67 feet; thence North 40 degrees 27 minutes 00 seconds East, 24.40 feet to the Northeasterly line of Lot No. 1; thence North 39 degrees 54 minutes 00 seconds West, 30.43 feet along lot line to the point of beginning.

Rider, attached to and forming part of Policy or Commitment No. 85447. - TRACT NO. 102

BURTON ABSTRACT AND TITLE CO.

By _____
Authorized Signature.

BURTON ABSTRACT AND TITLE CO.
350 East Congress Street
Detroit 26, Michigan

To: THE UNITED STATES OF AMERICA

Application No. 85447

Re: Selfridge Air Force Base, Michigan
(Capehart Family Housing). Site "D"

TRACT NO: 100

BURTON ABSTRACT AND TITLE CO., a Corporation organized and existing under the laws of the State of Michigan, with its principal office in the City of Detroit, State of Michigan, hereby certifies that it has made a thorough search of the title to the property described in SCHEDULE A hereof, beginning with the patent from the United States of America, and that the title to said property was indefeasibly vested in fee simple of record in

United States of America, as of the 6th day of July, 1959, free and clear of all encumbrances, defects, interests and all other matters whatsoever, either of record or otherwise known to the Corporation impairing or adversely affecting the title to said property, except as shown in SCHEDULE B hereof.

The Maximum liability of the undersigned under Application No. 85447 is limited to the sum of \$ 13,000.00. In consideration of the premium paid, this certificate is issued for the use and benefit of the United States of America.

IN WITNESS WHEREOF, said Corporation has caused these presents to be signed in its name and behalf, sealed with its corporate seal and delivered by its proper officer, thereunto duly authorized, as of the date last above mentioned.

BURTON ABSTRACT AND TITLE CO.

By [Signature]
Authorized Officer

SCHEDULE A of the title to the property described in SCHEDULE A hereof is as follows: The property covered by this certificate is accurately and fully described as follows:

A parcel of land in Private Claim 193, Township 3 North, Range 14 east, Michigan Meridian, Chesterfield Township, Macomb County, Michigan, described as follows: Beginning at a point on the Northwesterly line of Private Claim 193, distant from the Northeast corner of Private Claim 192 the following courses: South 49 degrees 04 minutes 54 seconds West, 1872.50 feet along the Northwesterly line of said Private Claim 192; thence South 49 degrees 35 minutes 54 seconds West, 1794.24 feet along the Northwesterly line of said Private Claim 192 to the point of intersection of said Northwesterly line of Private Claim 192 with the boundary line between Matilda Matejick and J. Clements; thence South 49 degrees 21 minutes 34 seconds West, 543.90 feet along the Northwesterly line of Private Claims 192 and 193 to the point of beginning. Thence from this point of beginning, South 40 degrees 21 minutes 13 seconds East, 1466.05 feet; thence South 49 degrees 21 minutes 34 seconds West, 16.17 feet; thence South 40 degrees 21 minutes 13 seconds East, 317.00 feet to the centerline of Sugar Bush Road; thence South 18 degrees 48 minutes 47 seconds West, 954.08 feet along said centerline of Sugar Bush Road; thence North 40 degrees 25 minutes 34 seconds

(See Reverse Side)

*(SEE OVER)

3/24/60

102 #11

19175

DATE	FILINGS—PROCEEDINGS	AMOUNT REPORTED IN EMOLEMENT RETURNS	
1959			
June 18	Complaint filed.		
" "	Declaration of Taking filed.		
" "	Receipt of Clerk, filed.		
" 19	Motion and order for delivery of possession of Tract No. 100,	filed and e	
" "	" " " " " " " " " " Tract No. 101,	filed and e	Free
" "	" " " " " " " " " " Tract No. 102,	filed and e	Free
" 26	Marshal's return on Tracts No.100,101 and 102, filed.		Free
" 29	Proof of mailing filed.		
July 8	Notice and appearance of defts. Edward J. and Matilda Matejcik,	filed.	
" 9	" " " " " " George and Sylvia Meldrum, filed.		
" 10	Answer of Edward J. and Matilda Matejcik, filed.		
" 14	" " George and Sylvia Meldrum, filed.		
" "	Appearance of defts. Carl and Margaret Hauswirth, filed.		
" 30	Amended complaint to include Charles J. Moskowitz, Route #2,Mt. Pleasant, party deft. to Tract No.102, filed.		
Aug. 10	Proof of mailing filed.		
" 13	Appearance of Charles J. Moskowitz, filed.		
Sept. 21	Motion and order for partial disbursement of funds for Tract 102, filed a		
1961 May 1	Notice of pre-trial for June 5/61, filed.		Free
June 5	Pre-trial had - trial set for Oct. 24/61.		
" "	Preliminary pre-trial order filed and entered.		
Sept. 15	Consent to substitution and appearance for Carl Hauswirth , Margaret Hauswirth and Charles J. Moskowitz filed.		
" 25	Pre-trial order filed and entered.		
Oct. 19	Supplement to Schedule "A" of pre-trial order, filed.		
" 24	Jury trial begins - adj. to Oct. 27/61.		"
" 25	" " resumed - " " Oct.26/61.		"
" 26	" " resumed - " " Oct. 27/61.		"
" 27	" " " - " " Nov. 1/61.		"
Nov. 1	" " " - " " Nov. 2/61.		"
" 2	Subpoena filed. Ptf's requested instructions filed.		
" "	Deft's " " filed.		
" "	Jury trial resumed and adj. to Nov. 3/61.		Freeman, J
" 3	" " cotcluded - verdict: compensation for taking tract #100, \$36,774.50; tract #101, \$19,950.00; tract #102, \$40,831.00; lessee's interest in tract #102 of Charles Moskowitz, \$1,000.00.		" "
" 28	Final judgment in Tract 100, filed and entered.		" "

BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2240 - Fam Hsg Atch Carport	2 FA 2 VE	P --	SF SF	2,700 808	\$ 26,984.00 --
#2241 - Fam Hsg Atch Carport	2 FA 2 VE	P --	SF SF	2,652 929	26,984.00 --
#2242 - Fam Hsg Atch Carport	2 FA 2 VE	P --	SF SF	2,700 707	26,984.00 --
#2243 - Fam Hsg Atch Carport	2 FA 2 VE	P --	SF SF	2,652 810	26,984.00 --
#2245 - Wir Pmp Stn		P	SF	544	31,957.46
#2300 - Fence, Interior		P	LF	4,750	6,830.25
#2301 - Monuments/Memorl		P	EA	1	425.41
#2302 - Misc O/Rec Fclty		P	EA	1	220.00
#2303 - Billboard		P	EA	1	8,800.00
#2304 - Fence, Boundary		P	LF	180	305.78
#2306 - Bus, Shelter		P	SF	634	3,331.31
#2400 - Road Bridge		P	LF	70	18,400.00
#2402 - Road		P	SY	54,782	144,800.00
#2405 - Driveway		P	SY	16,087	\$ 73,800.00
#2408 - Sidewalk		P	SY	8,764	24,339.00
#2412 - Curbs & Gutters		P	LF	39,840	77,200.00
#2500 - San Sewer Pmp Stn		P	SF	200	22,995.00
#2501 - Wtr Tank Stor		P	KG	150	67,355.87

Capehart Housing Area

BUILDING LIST FOR CAPEHART HOUSING AREA
SELFRIDGE ANGB, MICHIGAN

<u>Facility Description</u>	<u>No. of Units</u>	<u>Type Const.</u>	<u>Unit of Meas.</u>	<u>Total Quantity</u>	<u>Cost</u>
#2504 - Wtr Distr Mains		P	LF	42,915	\$ 336,223.78
#2508 - San Sewer Main		P	LF	56,320	364,388.00
#2512 - Strm Drn Dspl		P	LF	16,213	258,304.25
#2515 - Prim Dist Lne Oh		P	LF	63,565	143,500.00
#2518 - Exterior Area Ltg		P	EA	64	9,880.00
SUBTOTALS FOR CAPEHART HOUSING AREA:				515,420	
	380	FA	SF	518,320	\$5,127,307.68
	380	VE	SF	153,804	
			SF	1,378	58,283.77
			LF	223,853	1,205,152.06
			EA	67	19,325.41
			SY	79,633	242,939.00
			KG	150	67,355.87

243 Bldgs

2049 - 29635 CRA W - 1450 SF
 2220 - 29661 PROSCP - 1450 SF
29700 SF \$6,720,363.79

SF
 161,500
 OMA - 477,000
~~643,000~~ 643,000
 Family Hsg - 280,554
 200/400/700

900 - 276,400

Seville 514,000

1,100
643

PORTION OF TRACT "A"
(Parcel A)

SELFRIDGE AIR NATIONAL GUARD BASE
MILITARY RESERVATION
MACOMB COUNTY, MICHIGAN

LEGAL DESCRIPTION OF TRANSFER AREA

Situate in the State of Michigan, County of Macomb, Township of Harrison, Township 2 North, Range 14 East of the Michigan Meridian, in Private Claims Nos. 140, 146, 147, 150, 194, 195, 242, and Supervisor's Plat No. 12, and more particularly described as follows:

Beginning at a point on the line common to Private Claims Nos. 140 and 242, said point being the northeasterly corner of the original Selfridge Field (being the 641.98 acres acquired by the United States of America in court proceedings decreed on 29 June 1921, and recorded in Liber 320, page 143, 29 November 1932 in the records of Macomb County, Mount Clemens, Michigan), said point being located on the west bank of Schweikert Drain and about 100.00 feet south of the present shoreline of Lake Saint Clair, said point being referenced 46.20 feet south east of the most northeastern corner of Building No. 670, and 39.41 feet northeast of the northeastern corner of the eastern wing of Building No. 670; thence with the east boundary of Selfridge ANG Base and along said line common to Private Claims Nos. 140 and 242

Southerly 1251.18 feet, more or less, to a point; thence

Easterly 80.00 feet to a point; thence with a line 80.00 feet east of and parallel to said line common to Private Claims Nos. 140 and 242

Southerly 2678.12 feet to a point in the center of North River Road; thence with the south boundary of Selfridge ANG Base and along North River Road McRays

Westerly 945 feet, more or less, to a point 25.00 feet east of where the center of General Andrews Drive (South Gate) intersects the south boundary of Selfridge ANG Base in North River Road; thence leaving said south boundary and (crossing Selfridge ANG Base as follows) with a line 25.00 feet east of and paralleling the center of General Andrews Drive which curves to the right

Northerly 295 feet, more or less, to a point; thence with the easterly extension of a line 50.00 feet north of and paralleling the center of the south Perimeter Road

Westerly 1600 feet, more or less, crossing the center of General Andrews Drive at 26.9 feet, to a point 50.00 feet north of the center of the South Perimeter Road; thence

Southerly 25 feet to a point; thence with a line 25.00 feet north of and paralleling the center of the South Perimeter Road which curves to the left

Westerly 575 feet, more or less, to a point; thence

PORTION OF TRACT "A"
(Parcel A)

SELFRIDGE AIR NATIONAL GUARD BASE
MILITARY RESERVATION
MACOMB COUNTY, MICHIGAN

LEGAL DESCRIPTION OF TRANSFER AREA (CONT'D)

Northwesterly 25 feet to a point; thence with a line 50.00 feet northwest of and paralleling the South Perimeter Road which continues to curve to the left

Perimeter
Ro

South westerly 275 feet, more or less, to a point 50.00 feet northwest of said center of the South Perimeter Road; thence with a line 50.00 feet east of and paralleling the eastern limits of Drop Zone No. 2 (Magnetic Course 270°)

Northerly 1850 feet, more or less, to a point 190.00 feet south of and 1480 feet west of the east edge of the East Ramp pavement; thence with a line 190.00 feet south of and paralleling the south edge of said Ramp pavement

Drop
Zone

Easterly 1030 feet to a point; thence

Southeasterly 233.45 feet to a point 350.00 feet south of and 280.00 feet west of the southeast corner of the East Ramp pavement; thence with a line 350.00 feet south of the south edge of said Ramp pavement

Easterly 230 feet to a point; thence

Northeasterly 389.10 feet to a point 120.00 feet east of said southeast pavement corner of the East Ramp; thence with a line 120.00 feet east of and paralleling the east edge of said Ramp pavement and the extension of same, which crosses George Avenue

At the
George Avenue

Northerly 1030 feet, more or less, to a point between the back edge of curb and the southwest edge of the sidewalk on the northeast side of George Avenue; thence with the line between said curb and sidewalk edges along George Avenue, (extending across Skeel Avenue and Erie Street)

Northwesterly 520 feet, more or less, to a point where the extension of the George Avenue line intersects the extended line between the curb and sidewalk on the southeast side of Huron Avenue; thence with said line between the curb and sidewalk along Huron Avenue and the extensions of same, which crosses Boyle and Kelly Avenues

Block 410

Northeasterly 370 feet, more or less, to a point; thence with a line 20.00 feet southwest of and paralleling Building No. 350 and the extensions of same

Northwesterly 305 feet, more or less, to a point; thence with a line 40.00 feet southwest of and paralleling the north curb line of Mitchell Street and the extensions of same.

Block 3
325, 327
326, 325

PORTION OF TRACT "A"
(Parcel A)

SELFIDGE AIR NATIONAL GUARD BASE
MILITARY RESERVATION
MACOMB COUNTY, MICHIGAN

LEGAL DESCRIPTION OF TRANSFER AREA (CONT'D)

Northwesterly 1215 feet, more or less, to a point on the northwest side of Wake Avenue; thence paralleling Wake Avenue

Southwesterly 315 feet, more or less, to a point between the curb and sidewalk on the northeast side of George Street; thence with the line between the back edge of curb and the southern edge of the sidewalk along the northern side of George Street and the extensions of same, which crosses Wagner Avenue, Birch Street, and Wilton Street

Westerly 1080 feet, more or less, to a point on the west side of Wilton Street; thence

Northerly 15 feet, more or less, to a point 30.00 feet north of the center of George Street; thence with a line 30.00 feet north of and paralleling the center of George Street (26 feet wide) ^{JEFFERSON}

Westerly 1085 feet, more or less, to a point 30.00 feet east of the center of Jefferson Avenue; thence with a line 30.00 feet east of and paralleling the center of Jefferson Avenue (30 feet wide)

Northerly 250 feet to a point; thence

Northeasterly 50 feet to a point 50.00 feet easterly of the center of Jefferson Avenue; thence with a line 50.00 feet easterly of the center of Jefferson Avenue (30 feet wide) and the northern extension of same, which crosses Johnson Street

Northerly 1080 feet, more or less, to a point where said line intersects the west edge of the sidewalk on the east side of Jefferson Avenue; thence with said west edge of the sidewalk along Jefferson Avenue and the northern extension of same

Northerly 2580 feet, more or less, to a point where said northern extension intersects a line 1.00 foot north of and paralleling the fence enclosure for Building No. 951; thence with said line 1.00 foot north of said fence enclosure

Easterly 260 feet, more or less, to a point 315.00 feet east of and normal to the center of Jefferson Avenue; thence with a line 315.00 feet east of and paralleling Jefferson Avenue

Northerly 255 feet to a point; thence with a line perpendicular to Jefferson Avenue

Westerly 265 feet to a point; thence paralleling Jefferson Avenue

PORTION OF TRACT "A"
(Parcel A)

SELFRIDGE AIR NATIONAL GUARD BASE
MILITARY RESERVATION
MACOMB COUNTY, MICHIGAN

LEGAL DESCRIPTION OF TRANSFER AREA (CONT'D)

Northerly 15 feet to a point; thence with a line perpendicular to Jefferson Avenue

Westerly 545 feet, more or less, (crossing the center of Jefferson Avenue at 50.00 feet) to a point where said line intersects an arc having a radius of 1275.00 feet, originating at the northeast corner of Building No. 895; thence with the chord of said arc having a radius of 1275.00 feet

Northwesterly 445 feet, more or less, to a point; thence with a second chord of said arc having a radius of 1275.00 feet

Northwesterly 445 feet, more or less, to a point where said chord is 1225.00 feet west of the center of Jefferson Avenue; thence with a line 1225 feet west of and paralleling said center of Jefferson Avenue

Northerly 515 feet to a point; thence with a line perpendicular to Jefferson Avenue

Westerly 45 feet to a point 1270.00 feet west of the center of Jefferson Avenue; thence with a line 1270.00 feet west of and paralleling said center of Jefferson Avenue

Northerly 440 feet to a point; thence deflecting 3°00' left with a line

Northerly 510 feet to a point; thence deflecting 3°00' right with a line

Northerly 515 feet, more or less, to a point 55.00 feet south of and perpendicular to the center of the railroad spur trackage; thence with a line 55.00 feet south of and paralleling the center of said railroad spur trackage, which curves to the south

Easterly and southeasterly 1220 feet, more or less, to a point; thence with a line 25.00 feet south of and paralleling the North Perimeter Road and extending across Jefferson Avenue

Easterly 450 feet, more or less, to a point 60.00 feet east of and perpendicular to the center of Jefferson Avenue; thence with a line 60.00 feet east of and paralleling said center of Jefferson Avenue

Northeasterly 385 feet, more or less, to a point common to lands now or formerly owned by the State of Michigan; thence with the boundary common to the State of Michigan as conveyed in a Quitclaim Deed, dated 1 October 1973, and recorded in Liber 2452, page 280 in the records

PORTION OF TRACT "A"
(Parcel A)

SELFRIDGE AIR NATIONAL GUARD BASE
MILITARY RESERVATION
MACOMB COUNTY, MICHIGAN

LEGAL DESCRIPTION OF TRANSFER AREA (CONT'D)

Macomb County, Mt. Clemens, Michigan, as follows:

S 87°10'30" E 714.00 feet; thence

S 11°19'30" W 247.46 feet; thence

N 89°27'50" E 461.00 feet, more or less, to a point on the eastern boundary of Supervisor's Plat No. 12, being the western shoreline of Lake Saint Clair; thence with said eastern boundary and said shoreline

Southerly 2084.84 feet, more or less, to the southeastern corner of said Supervisor's Plat No. 12, said corner is common to lands formerly owned by John Schluentz et al as acquired by the United States of America (formerly Tract No. B-101, now Tract No. A-107) in the District Court of the United States for the Eastern District of Michigan, Southern Division, Law No. 15887, Declaration of Taking No. 6, dated 25 November 1942; thence with the eastern boundary of lands of Schluentz et al, as acquired along said shoreline

S 08°02' W 330.60 feet to a point common to lands formerly owned by Henry B. Joy et al, as acquired by the United States of America (formerly Tract No. 1-A, now Tract No. A-108) in said District Court, Law No. 15887, Declaration of Taking No. VII, dated 3 December 1942, and said lands of Schluentz et al, said point in the center of a Dredge Cut (known as Tucker-Jones Drain) to Lake Saint Clair; thence with the eastern boundary of said lands of Joy et al, as acquired meandering along the shore line of Lake Saint Clair, as follows:

S 03°30' W 678.24 feet; thence

S 04°42' E 234.60 feet; thence

S 07°18' E 1406.85 feet; thence

S 36°42' W 223.65 W feet; thence

S 16°44' E 365.11 feet; thence

S 25°27' W 161.60 feet; thence

S 28°18' E 263.15; thence

S 32°54' E 266.45 feet; thence

S 72°50' E 163.90 feet; thence

PORTION OF TRACT "A"
(Parcel A)

SELFRIDGE AIR NATIONAL GUARD BASE
MILITARY RESERVATION
MACOMB COUNTY, MICHIGAN

LEGAL DESCRIPTION OF TRANSFER AREA (CONT'D)

S 55°46' E 62.05 feet; thence

S 39°18' E 154.70 feet; thence leaving said shore line

N 88°20' W 51.88 feet to a point on the north boundary of the original Selfridge Field (being the 641.98 acres acquired by the United States of America in court proceeding decreed on 29 June 1921, and recorded in Liber 320, page 143, on 29 November 1932, in the records of Macomb County, Mount Clemens, Michigan), said point being referenced N 88°24' W 51.85 feet from the sea wall and N 29°35' E 212.50 feet from the northeastern corner of the old eastern wing of Building No. 310; thence with the northeastern boundary of said original Selfridge Field, which crosses Lake Saint Clair on the northeast side of the breakwater

S 59°27' E 3451.55 feet to the point of beginning, containing 520.00 acres, more or less.

Also, any accreted land area along the shoreline of Lake Saint Clair and adjacent to the above description.

11/17/87
B.L.B.

PORTION OF TRACT "A"
(Parcel B)

SELFRIDGE AIR NATIONAL GUARD BASE
(Capehart Family Housing Annex)
MILITARY RESERVATION
MACOMB COUNTY, MICHIGAN

LEGAL DESCRIPTION OF TRANSFER AREA (CONT'D)

N 40°03'07" W 1766.48 feet, more or less, to a point on the centerline of the Sutherland and Oemig Drain; thence along the center of said drain

N 57°30'39" E 221.15 feet, more or less, to a point; thence

N 40°27'00" E 25.00 feet, more or less, to a point; thence leaving said center line of drain, and continuing with said southwest boundary of Tract "A"

N 39°54'00" W 735.98 feet, more or less, to a point in the center of Donner Road, and being on the northwest line of Private Claim No. 193, said point being the most western corner of said Tract "A"; thence with the center of Donner Road and the northwest boundary of said Tract "A"

N 48°59'00" E 287.50 feet, more or less, to a point being the intersection of the southeast corner of Fractional Section 20, the southwest corner of Fractional Section 21, and the most northeast corner of Private Claim No. 145, with said northwest line of Private Claim No. 193; thence continuing with said northwest line of Private Claim 193 and Tract "A"

N 49°21'34" E 1495.50 feet, more or less, to the point of beginning, containing 102.69 acres, more or less.

10 Dec 1987
C.T.M.

PORTION OF TRACT "A"
(Parcel B)

SELFRIDGE AIR NATIONAL GUARD BASE
(Capehart Family Housing Annex)
MILITARY RESERVATION
MACOMB COUNTY, MICHIGAN

LEGAL DESCRIPTION OF TRANSFER AREA

Situated in the State of Michigan, County of Macomb, Chesterfield Township, Township 3 North, Range 14 East of Michigan Meridian, a part of Private Claim No. 193, a portion of Tract "A" as acquired by The United States of America, and more particularly described as follows:

Commencing at the northeast corner of Private Claim No. 192; thence along northwest line of said Private Claim No. 192, as follows:

S 49°04'54" W 1872.50 feet, more or less; thence

S 49°43'00" W 1794.24 feet, more or less; thence

S 49°21'34" W 543.90 feet, more or less, passing from Private Claim No. 192 into Private Claim No. 193 to the point of beginning, said point being the most northern corner of Tract "A"; thence with the common boundary to lands now or formerly owned by Matilda Matejick and lands of said Tract "A", as follows:

S 40°21'13" E 1466.05 feet, more or less; thence

S 49°21'34" W 16.17 feet, more or less; thence

S 40°21'13" E 317.00 feet, more or less, to a point in the center of Sugar Bush Road, said point being the most eastern corner of said Tract "A"; thence along said Sugar Bush Road and continuing with the boundary of said Tract "A" as follows:

S 18°48'47" W 1499.91 feet, more or less; thence

S 52°09'15" W 499.30 feet, more or less, to a point; thence leaving said center of Sugar Bush Road, and continuing with said boundary of Tract "A"

N 39°54'00" W 33.02 feet, more or less to a point on the northwest right-of-way line of Sugar Bush Road; thence with said right-of-way line and continuing with said boundary of Tract "A"

S 52°03'30" W 239.40 feet, more or less, to a point being the most southern corner of said Tract "A"; thence leaving said right-of-way line and with the southwest boundary of said Tract "A", as follows:

EXHIBIT R

TRANSFER AND ACCEPTANCE OF MILITARY REAL PROPERTY

1. FROM: (Installation/Activity/Service) and Zip code)		2. OPERATING UNIT		3. DISTRICT CODE	4. OPERATING AGENCY	5. DATE	6. JOB NUMBER	7. SERIAL NUMBER	8. CONTRACT NUMBER
9. TO: (Installation/Activity/Service) and Zip code)		10. OPERATING UNIT	11. DISTRICT CODE	12. OPERATING AGENCY	13. AC. COUNTING NUMBER	14. AC. COUNTING OFFICE NUMBER	15. TYPE OF TRANSACTION		
ITEM NO.	CATEGORY CODE	FACILITY (Category description)	NO. OF UNITS	TYPE	UNIT OF MEAS.	TOTAL QUANTITY	COST	DRAWING NUMBERS	REMARKS
17	18		20	21	22	23	24	25	26
3.		<u>FACILITIES:</u> Wherry Housing Facilities	451	FA	SF	461,304	\$ 4,606,054.42	28	NOTE: Items 3, 4, 5, & 6
4.		Capehart Housing Facilities	380	FA	SF	518,320	6,720,363.79		The following exhibits are attached hereto in order to assist in describing the facilities to be transferred:
5.		Appropriated Fund Housing Facilities	142	FA	SF	280,554	1,948,023.22		EXHIBIT D - Wherry Housing List
6.		Quality of Life and Other Facilities	65	VE	SF	13,800			EXHIBIT E - Capehart Housing List
		TOTAL SQUARE FOOTAGE AND COST OF FACILITIES			SF	1,784,775	\$22,607,718.23		EXHIBIT F - Appropriated Fund Housing List
									EXHIBIT G - List of Quality of Life and Other Facilities

TRANSFER AND ACCEPTANCE OF MILITARY REAL PROPERTY

1. FROM: (Installation/Activity/Service) and Zip code) USP&FO for Michigan 3111 West St. Joseph Lansing, MI 48913-5102		2. OPERATING UNIT February 1989		3. DIS-TRICT CODE February 1989		4. OPERATING AGENCY February 1989		5. CONTRACT NUMBER	
8. TO: (Installation/Activity/Service) and Zip code) U.S. Army Tank Automotive Command ATTN: AMSTA-XE Warren, MI 48397-5000		9. AC. COUNTING NUMBER February 1989		10. AC. COUNTING NUMBER February 1989		11. TYPE OF TRANSACTION <input type="checkbox"/> NEW CONSTR. <input type="checkbox"/> BENP/O <input checked="" type="checkbox"/> EXISTING FAC. <input type="checkbox"/> PHYSICAL COM. <input type="checkbox"/> CAPITAL IMP. <input type="checkbox"/> FINAN. COM. <input type="checkbox"/> OTHER (Specify)		12. PROJECT NUMBER	
ITEM NO. 17	CATEGORY CODE 18	FACILITY (Category description) 19	NO. OF UNITS 20 20	TYPE 21 21	UNIT OF MEAS. 22 22	TOTAL QUANTITY 23 23	COST 24 24	DRAWING NUMBERS 25 25	REMARKS 26 26
<p>REMARKS:</p> <p>The reporting requirements of 10 USC 2662, as amended, were met by the Department of the Army Acquisition Report No. 690, dated 28 August 1987. The House Armed Services Committee approved the report on 23 September 1987.</p> <p>The Department of the Air Force (James F. Boatright, Deputy Assistant Secretary of the Air Force, Installations) transferred subject land and facilities to the Department of the Army by Memorandum dated 7 April 1988.</p> <p>Property is transferred without reimbursement pursuant to the provisions of Title 10, United States Code, Section 2571(a). The United States exercises a proprietary interest over the Capehart Housing area's 102.69 acres and concurrent legislative jurisdiction over the Wherry and Appropriated Fund Housing and Quality of Life/Other Facilities area's 520 acres.</p> <p>In accordance with 32 CFR 989 AFGI 19-1, this action qualifies for CATEX (Categorical Exclusion) No. 36. No environmental analysis or documentation is required.</p> <p>Property is conveyed subject to the following terms and conditions:</p> <p>(a) Those buildings which the Army currently uses that lie on property to be retained by the Air Force for flying field purposes will continue to be furnished to the Army on the</p>									

TRANSFER AND ACCEPTANCE OF MILITARY REAL PROPERTY

1. FROM: (Installation/Activity/Service) and Zip code) USP&FO for Michigan 3111 West St. Joseph Lansing, MI 48913-5102	2. OPERATING UNIT	3. DIS-TRICT CODE	4. OPER-ATING AGENCY	5. DATE February	6. JOB NUMBER 1989	7. SERIAL NUMBER	8. CONTRACT NUMBER	
9. TO: (Installation/Activity/Service) and Zip code) U.S. Army Tank Automotive Command ATTN: AMSTA-XE Warren, MI 48397-5000	10. OPERATING UNIT	11. DIS-TRICT CODE	12. OPER-ATING AGENCY	13. AC-COUNTING NUMBER	14. AC-COUNTING OFFICE NUMBER	15. TYPE OF TRANSACTION <input type="checkbox"/> NEW CONSTR. <input checked="" type="checkbox"/> EXISTING FAC. <input type="checkbox"/> CAPITAL IMP. <input type="checkbox"/> OTHER (Specify)	16. PROJECT NUMBER	
ITEM NO. 17	CATEGORY CODE 18	NO. OF UNITS 20	TYPE 21	UNIT OF MEAS. 22	TOTAL QUANTITY 23	COST 24	DRAWING NUMBERS 25	REMARKS 26
								<p>REMARKS (Continued):</p> <p>basis of permits with the proviso that they will be maintained up to base standards and that only routine maintenance and repairs will be undertaken on them. When they are no longer needed for Army purposes or major replacement construction is planned for that portion of the Army's activities, the Air Force will expect that such construction will be accomplished on the land transferred to the Army.</p> <p>(b) There are also some facilities located within the property being conveyed to the Army which the Air Force will need to retain by permit for training purposes (such as the building with access to the water on Lake St. Clair which is used for reserve air/sea rescue training). All such facilities permitted to the Air Force by the Army will be subject to the same ground rules as cited in the prior paragraph for the Army with the one exception of the air/sea rescue facility which must remain in that water-accessible location indefinitely.</p> <p>NOTE: Attached is Exhibit H which lists the facilities to be permitted between the two parties.</p> <p>(c) The Air Force will operate and maintain the flood control systems, such as the seawall, dike, and all supporting facilities, by means of a reserved easement. Due to the need of these facilities to support current and future mission requirement, replacement of the structures will be allowed in the future (easement is depicted in light blue on attached Map - Exhibit A).</p>

Bug 350

**PROPERTY TRANSFER
DOCUMENTS 13545**

TRANSFER AND ACCEPTANCE OF MILITARY REAL PROPERTY

1. FROM: (Installation/Activity/Service) and Zip code) USP&FO for Michigan 3111 West St. Joseph Lansing, MI 48913-5102		2. OPERATING UNIT		3. DIS. TRIC. CODE		4. OPER. AGEN. AGENCY		5. DATE February 1989		6. JOB NUMBER		7. SERIAL NUMBER		8. CONTRACT NUMBER	
9. TO: (Installation/Activity/Service) and Zip code) U.S. Army Tank Automotive Command ATTN: AMSTA-XE Warren, MI 48397-5000		10. OPERATING UNIT		11. DIS. TRIC. CODE		12. OPER. AGEN. AGENCY		13. AC. COUNTING NUMBER		14. AC. COUNT. OFFICE NUMBER		15. TYPE OF TRANSACTION <input type="checkbox"/> NEW CONSTR. <input type="checkbox"/> BENF/O <input checked="" type="checkbox"/> EXISTING FAC. <input type="checkbox"/> PHYSICAL COM. <input type="checkbox"/> CAPITAL IMP. <input type="checkbox"/> FINAN. COM. <input type="checkbox"/> OTHER (Specify)		16. PROJECT NUMBER	

ITEM NO.	CATEGORY CODE	FACILITY (Category description)	NO. OF UNITS	TYPE	UNIT OF MEAS.	TOTAL QUANTITY	COST	DRAWING NUMBERS	REMARKS
17	18	18	20	21	22	23	24	25	26
		<u>REMARKS (Continued):</u>							
		(d) Portions of the utility distribution systems and associated facilities will be operated and maintained by both the Air Force and the Army. The Air Force will also reserve the right of ingress and egress to maintain utilities reserved for its use. Phase II of this transfer will consist of the transfer of certain utilities to the Army and the reservation of the remaining utilities and necessary easements for the Air Force.							
		(e) The Army will be granted the right of ingress and egress through the main base gate across the installation Perimeter Road and Jefferson Avenue.							
		(f) The Air Force reserves an air clearance easement over the entire golf course area. This air clearance easement restricts construction by the Army of any type which will conflict with air operations associated with drop zones or assault landing strip. Any proposed construction by the Army within the golf course area must first be approved by the Air Force.							
		(g) There are several outgrants on the property to be conveyed to the Army which are presently the Air Force's responsibility. The Army agrees to accept responsibility for these outgrants which will be transferred at a later date under separate documentation.							

TRANSFER AND ACCEPTANCE OF MILITARY REAL PROPERTY

1. FROM: (Installation/Activity/Service) and Zip code) USP&FO for Michigan 3111 West St. Joseph Lansing, MI 48913-5102		2. OPERATING UNIT February 1989		3. DIS. TRIC CODE		4. OPER. AGENCY		5. DATE		6. JOB NUMBER		7. SERIAL NUMBER		8. CONTRACT NUMBER	
9. TO: (Installation/Activity/Service) and Zip code) U.S. Army Tank Automotive Command ATTN: AMSTA-XE Warren, MI 48397-5000		10. OPERATING UNIT		11. DISTRICT CODE		12. OPER. AGENCY		13. AC. COUNTING FILE NUMBER		14. AC. COUNTING FILE NUMBER		15. TYPE OF TRANSACTION <input type="checkbox"/> NEW CONSTR. <input type="checkbox"/> BENF/O <input checked="" type="checkbox"/> EXISTING FAC. <input type="checkbox"/> PHYSICAL COM. <input type="checkbox"/> CAPITAL IMP. <input type="checkbox"/> FINAN. COM. <input type="checkbox"/> OTHER (Specify)		16. PROJECT NUMBER	
ITEM NO. 17	CATEGORY CODE 18	FACILITY (Category description) 19	NO. OF UNITS 20	TYPE 21	UNIT OF MEAS. 22	TOTAL QUANTITY 23	COST 24	DRAWING NUMBERS 25	REMARKS 26						
REMARKS (Continued):										(h) Because the future mission of the Air Force Reserve (AFRES) and/or the Air National Guard (ANG) may have an adverse impact upon the golf course, the AFRES and/or the ANG agree to repair/replace any portions of the course affected by proposed mission requirement. Such repairs/replacements shall be performed as part of the proposed construction project.					
(i) The Army and the Air Force agree to coordinate all proposed construction projects that could affect the other's operations. Coordination shall commence during the programming stage of the proposed project.										(j) By Memorandum dated 17 October 1988, James F. Boatright, Deputy Assistant Secretary of the Air Force (Installations), confirmed that the Air Force agrees to complete remedial investigations and to remediate, if necessary, the Tucker Creek Landfill at no cost to the Department of the Army.					
(k) The Air Force reserves a railroad easement over the area depicted in brown on attached Map - Exhibit A. Railroad easement is a 100-foot easement, lying 50 feet on either side of the existing railroad tract centerline.															

TRANSFER AND ACCEPTANCE OF MILITARY REAL PROPERTY

PAGE 7 OF 7 PAGES

<p>1. FROM: (Installation/Activity/Service) and Zip code) USP&FO for Michigan 3111 West St. Joseph Lansing, MI 48913-5102</p>	<p>4. OPERATING AGENCY</p>	<p>5. DATE February 1989</p>	<p>6. JOB NUMBER</p>	<p>7. SERIAL NUMBER</p>	<p>8. CONTRACT NUMBER</p>
<p>9. TO: (Installation/Activity/Service) and Zip code) U.S. Army Tank Automotive Command ATTN: AMSTA-XE Warren, MI 48397-5000</p>	<p>12. OPERATING AGENCY</p>	<p>13. AC. COUNTING NUMBER</p>	<p>14. AC. COUNTING OFFICE NUMBER</p>	<p>15. TYPE OF TRANSACTION <input type="checkbox"/> NEW CONSTR. <input checked="" type="checkbox"/> EXISTING FAC <input type="checkbox"/> CAPITAL IMP. <input type="checkbox"/> OTHER (Specify)</p>	<p>16. PROJECT NUMBER</p>

ITEM NO.	CATEGORY CODE	FACILITY (Category description)	NO. OF UNITS	TYPE	UNIT OF MEAS.	TOTAL QUANTITY	COST	DRAWING NUMBERS	REMARKS
17	18	18	20	21	22	23	24	28	29
		LIST OF EXHIBITS ATTACHED HERETO AND MADE A PART HEREOF:							
		EXHIBIT A - Maps							
		EXHIBIT B - Legal Descriptions							
		EXHIBIT C - Breakdown of Tracts and Original Cost							
		EXHIBIT D - Wherry Housing List							
		EXHIBIT E - Capehart Housing List							
		EXHIBIT F - Appropriated Fund Housing List							
		EXHIBIT G - List of Quality of Life/Other Facilities							
		EXHIBIT H - List of Facilities to be Permitted Between the Air Force and the Army							

<p>27. STATEMENT OF COMPLETION: The facilities listed hereon are in accordance with maps, drawings, and specifications and change orders approved by the authorized representative using the using Agency except for the deficiencies listed on the reverse side.</p> <p>TRANSFERRED BY (Signature) <i>[Signature]</i> DATE 7 Feb 89</p> <p>COLONEL GEORGE HIGGINS (Area Engr./Base Engr./DPWO) USP&FO for Michigan</p>	<p>ACCEPTED BY (Signature) <i>[Signature]</i> DATE 7 Feb. 89</p> <p>TITLE (Post Engr./Base Cir. Engr./Navy Rep.) TACOM Facility Engineer</p>
--	---

REPORT OF TITLE
DETROIT AREA SUPPORT CENTER
(CAPEHART HOUSING AREA)
PARCEL 'B' OF TRACT NO. 'A'
(FORMERLY TRACT NO. 102, SELFRIDGE FAMILY HOUSING ANNEX NO.2)
MACOMB COUNTY, MICHIGAN

1. Legal Description is attached as Exhibit "A" hereto.

2. Title was vested in the United States of America as follows:

This land was acquired in condemnation proceedings entitled "United States of America vs. 102.69 acres of land, more or less, situate in Macomb County, State of Michigan, and Matilda Matejcik, et al.", in the Declaration of Taking, filed June 18, 1959, as Civil No. 19175, pertaining to Tract No. 102, in the District Court of the United States for the Eastern District of Michigan, Southern Division, Detroit, and Final Judgment dated and filed November 28, 1961

3. Based upon the Audit Files of the U.S. Army Engineer District, Louisville, I find and report that the property is subject to the following exceptions, reservation, conditions, and restrictions relating to the title acquired:

- a. Existing easements for public roads and highway, for public utilities, for railroads and for pipelines.
- b. Existing 60-foot wide easement for drain purposes for a portion of the Sutherland and Oemig Drain, as per survey dated August 4, 1958.

4. The United States of America retroceded exclusive federal legislative jurisdiction to the State of Michigan for concurrent federal legislative jurisdiction, and was effective on June 1, 1972. In February 1989, 102.69 acres were reassigned from the Secretary of the Air Force to the Secretary of the Army for the Selfridge Army Garrison Housing Area, and the United States of America presently has concurrent federal legislative jurisdiction over the subject area.

04 March 2002

Date



B.L. Baldes, PLS, Real Estate Cadastral
U.S. Army, Engineer District, Louisville, KY.
Off: 502-315-6954, Fax: 502-315-7008

REPORT OF TITLE
DETROIT AREA SUPPORT CENTER
(CAPEHART HOUSING AREA)
PARCEL 'B' OF TRACT NO. 'A'
(FORMERLY TRACT NO. 101, SELFRIDGE FAMILY HOUSING ANNEX NO.2)
MACOMB COUNTY, MICHIGAN

1. Legal Description is attached as Exhibit "A" hereto.

2. Title was vested in the United States of America as follows:

This land was acquired in condemnation proceedings entitled "United States of America vs. 102.69 acres of land, more or less, situate in Macomb County, State of Michigan, and Matilda Matejcek, et al.", in the Declaration of Taking, filed June 18, 1959, as Civil No. 19175, pertaining to Tract No. 101, in the District Court of the United States for the Eastern District of Michigan, Southern Division, Detroit, and Final Judgment dated and filed November 28, 1961

3. Based upon the Audit Files of the U.S. Army Engineer District, Louisville, I find and report that the property is subject to the following exceptions, reservation, conditions, and restrictions relating to the title acquired:

- a. Existing easements for public roads and highway, for public utilities, for railroads and for pipelines.
- b. Existing 60-foot wide easement for drain purposes for a portion of the Sutherland and Oemig Drain, as per survey dated August 4, 1958.

4. The United States of America retroceded exclusive federal legislative jurisdiction to the State of Michigan for concurrent federal legislative jurisdiction, and was effective on June 1, 1972. In February 1989, 102.69 acres were reassigned from the Secretary of the Air Force to the Secretary of the Army for the Selfridge Army Garrison Housing Area, and the United States of America presently has concurrent federal legislative jurisdiction over the subject area.

04 March 2002
Date



B.L. Baldes, PLS, Real Estate Cadastral
U.S. Army, Engineer District, Louisville, KY.
Off: 502-315-6954, Fax: 502-315-7008

REPORT OF TITLE
DETROIT AREA SUPPORT CENTER
(CAPEHART HOUSING AREA)
PARCEL 'B' OF TRACT NO. 'A'
(FORMERLY TRACT NO. 100, SELFRIDGE FAMILY HOUSING ANNEX NO.2)
MACOMB COUNTY, MICHIGAN

1. Legal Description is attached as Exhibit "A" hereto.
2. Title was vested in the United States of America as follows:

This land was acquired in condemnation proceedings entitled "United States of America vs. 102.69 acres of land, more or less, situate in Macomb County, State of Michigan, and Matilda Matejcek, et al.", in the Declaration of Taking, filed June 18, 1959, as Civil No. 19175, pertaining to Tract No. 100, in the District Court of the United States for the Eastern District of Michigan, Southern Division, Detroit, and Final Judgment dated and filed November 28, 1961

3. Based upon the Audit Files of the U.S. Army Engineer District, Louisville, I find and report that the property is subject to the following exceptions, reservation, conditions, and restrictions relating to the title acquired:
 - a. Existing easements for public roads and highway, for public utilities, for railroads and for pipelines.
 - b. Existing 60-foot wide easement for drain purposes for a portion of the Sutherland and Oemig Drain, as per survey dated August 4, 1958.
4. The United States of America retroceded exclusive federal legislative jurisdiction to the State of Michigan for concurrent federal legislative jurisdiction, and was effective on June 1, 1972. In February 1989, 102.69 acres were reassigned from the Secretary of the Air Force to the Secretary of the Army for the Selfridge Army Garrison Housing Area, and the United States of America presently has concurrent federal legislative jurisdiction over the subject area.

04 March 2002
Date



B.L. Baldes, PLS, Real Estate Cadastral
U.S. Army, Engineer District, Louisville, KY.
Off: 502-315-6954, Fax: 502-315-7008

PORTION OF TRACT "A"
(Parcel B)

SELFRIDGE AIR NATIONAL GUARD BASE
(Capehart Family Housing Annex)
MILITARY RESERVATION
MACOMB COUNTY, MICHIGAN

LEGAL DESCRIPTION OF TRANSFER AREA (CONT'D)

N 40°03'07" W 1766.48 feet, more or less, to a point on the centerline of the Sutherland and Oemig Drain; thence along the center of said drain

N 57°30'39" E 221.15 feet, more or less, to a point; thence

N 40°27'00" E 25.00 feet, more or less, to a point; thence leaving said center line of drain, and continuing with said southwest boundary of Tract "A"

N 39°54'00" W 735.98 feet, more or less, to a point in the center of Donner Road, and being on the northwest line of Private Claim No. 193, said point being the most western corner of said Tract "A"; thence with the center of Donner Road and the northwest boundary of said Tract "A"

N 48°59'00" E 287.50 feet, more or less, to a point being the intersection of the southeast corner of Fractional Section 20, the southwest corner of Fractional Section 21, and the most northeast corner of Private Claim No. 145, with said northwest line of Private Claim No. 193; thence continuing with said northwest line of Private Claim 193 and Tract "A"

N 49°21'34" E 1495.50 feet, more or less, to the point of beginning, containing 102.69 acres, more or less.

10 Dec 1987
C.T.M.

PORTION OF TRACT "A"
(Parcel B)

SELFRIDGE AIR NATIONAL GUARD BASE
(Capehart Family Housing Annex)
MILITARY RESERVATION
MACOMB COUNTY, MICHIGAN

LEGAL DESCRIPTION OF TRANSFER AREA

Situated in the State of Michigan, County of Macomb, Chesterfield Township, Township 3 North, Range 14 East of Michigan Meridian, a part of Private Claim No. 193, a portion of Tract "A" as acquired by The United States of America, and more particularly described as follows:

Commencing at the northeast corner of Private Claim No. 192; thence along northwest line of said Private Claim No. 192, as follows:

S 49°04'54" W 1872.50 feet, more or less; thence

S 49°43'00" W 1794.24 feet, more or less; thence

S 49°21'34" W 543.90 feet, more or less, passing from Private Claim No. 192 into Private Claim No. 193 to the point of beginning, said point being the most northern corner of Tract "A"; thence with the common boundary to lands now or formerly owned by Matilda Matejick and lands of said Tract "A", as follows:

S 40°21'13" E 1466.05 feet, more or less; thence

S 49°21'34" W 16.17 feet, more or less; thence

S 40°21'13" E 317.00 feet, more or less, to a point in the center of Sugar Bush Road, said point being the most eastern corner of said Tract "A"; thence along said Sugar Bush Road and continuing with the boundary of said Tract "A" as follows:

S 18°48'47" W 1499.91 feet, more or less; thence

S 52°09'15" W 499.30 feet, more or less, to a point; thence leaving said center of Sugar Bush Road, and continuing with said boundary of Tract "A"

N 39°54'00" W 33.02 feet, more or less to a point on the northwest right-of-way line of Sugar Bush Road; thence with said right-of-way line and continuing with said boundary of Tract "A"

S 52°03'30" W 239.40 feet, more or less, to a point being the most southern corner of said Tract "A"; thence leaving said right-of-way line and with the southwest boundary of said Tract "A", as follows:

AF LICENSE TO STATE OF MICHIGAN

FAX TRANSMITTAL		# of pages ▶
To <u>Frankie Stull</u>	From <u>Lloyd Foe</u>	
Dept./Agency	Phone # <u>502.315.6969</u>	
Fax # <u>586.307.5059</u>	Fax #	
NSN 7540-01-317-7388	5088-101	GENERAL SERVICES ADMINISTRATION

SUPERCEDES DEPARTMENT OF
THE AIR FORCE LICENSE
NO. DACA45-3-72-6074

DEPARTMENT OF THE AIR FORCE LICENSE FOR NATIONAL GUARD PURPOSES LICENSE NO. DACA27-3-92-9

THE SECRETARY OF THE AIR FORCE, by Authority contained in Title 10, United States Code, Section 2233, hereby grants to the STATE OF MICHIGAN, DEPARTMENT OF MILITARY AFFIARS, 2500 S. Washington Avenue, Lansing, Michigan 48913-5101, hereinafter referred to as the licensee, a license for an indefinite term, commencing on 1 January 1992 but revocable at will by the Secretary of the Air Force, to use and occupy for year-round training and support of the Michigan Air National Guard, certain land and improvements comprising a portion of the Selfridge Air National Guard Base, Macomb County, Michigan, located substantially as shown in red on Exhibit "A" attached hereto and made a part hereof.

THIS LICENSE is granted subject to the following conditions:

1. That the use and occupancy herein authorized shall be without cost or expense to the Regular Establishment of the Military Departments of the Department of Defense and shall be under the general supervision and subject to the approval of the Secretary of the Air Force or his duly authorized representative and subject also to such rules and regulations as he may from time to time prescribe.
2. That the licensee shall maintain and keep in good repair and condition the premises herein authorized to be used, and all costs of operations, maintenance, and restoration occasioned by reason of the occupancy of the premises by the licensee shall be paid for from funds available to the licensee, or from funds other than those appropriated for the Regular Establishment of the said Departments.
3. That the United States (hereinafter referred to as the Government) reserves the right to use the property included in this license, or any part thereof, including all buildings and improvements situated thereon, for such purposes as the Department of the Air Force deems necessary in the interest of national defense.

LICENSE NO. DACA27-3-92-9
SELFRIDGE AIR NATIONAL GUARD BASE, MI

4. That the Government shall not be responsible or liable for injuries to persons or damage to property when such injuries or damage are caused by, or result from, the licensee's use of the premises under the terms of this license and is not due to the negligence of the Government.
5. That the Licensee shall pay the cost, as determined by the duly authorized representative of the Secretary of the Air Force, of producing and/or supplying any utilities and other services furnished by the Government or through Government-owned facilities for use of the licensee, including the licensee's proportionate share of the cost of operation and maintenance of the Government-owned facilities by which such utilities or services are produced or supplied. Payment shall be in the manner prescribed by said representative upon bills rendered monthly. The Government shall be under no obligation to furnish utilities or services.
6. That no addition to or alteration or improvement of the premises shall be made without prior written authorization from the Secretary of the Air Force or his duly authorized representative. All additions, alterations, and improvements so authorized shall be maintained by the licensee in good repair and condition. Permanent additions, alterations, and improvements (which shall be so designated by the Secretary of the Air Force or his duly authorized representative) shall, upon completion, become and remain the property of the Government.
7. That the facilities included in this license shall not be used for the quartering of personnel engaged in Michigan Air National Guard activities except when such personnel are in the Federal service or participating in authorized training.
8. This license may be relinquished by the licensee upon giving thirty (30) days notice in writing to the Secretary of the Air Force through his duly authorized representative.
9. That, on or before the date of expiration of this license or its relinquishment by the licensee, the licensee shall vacate the premises, remove all property of the licensee therefrom (excluding those permanent additions, alterations, and improvements which under the provisions of Condition 6 hereof have become the property of the Government), and restore the premises to as good condition as that existing upon the date of commencement of the term of this license, damages beyond the control of the licensee and due to fair wear and tear excepted. If, however, this license is revoked, the licensee shall vacate the premises, remove said property therefrom, and restore the

LICENSE NO. DACA27-3-92-9
SELFRIDGE AIR NATIONAL GUARD BASE, MI

premises as aforesaid within such time as the Secretary of the Air Force may designate. In either event, if the licensee shall fail or neglect to remove said property and so restore the premises, then at the option of the Secretary of the Air Force said property shall either become the property of the Government without compensation therefor, or the Secretary of the Air Force may cause the property to be removed and the premises to be so restored at the expense of the licensee, and no claim for damages against the Government or its officers or agents shall be created by or made on account of such removal and restoration.

10. That the licensee shall comply with all applicable Federal laws and regulations and with all applicable laws, ordinances, and regulations of the state, county, and municipality wherein the premises are located.

11. That the licensee shall not remove or disturb, or cause or permit to be removed or disturbed, any historical, archaeological, architectural, or other cultural artifacts, relics, vestiges, remains or objects of antiquity. In the event such items are discovered on the premises, the licensee shall immediately notify the District Engineer, Louisville District, and the State Historical Preservation Officer, and the site and the material shall be protected by the grantee from further disturbance until a professional examination of them can be made or until clearance to proceed is authorized by the District Engineer.

LICENSE NO. DACA27-3-92-9
SELFRIDGE AIR NATIONAL GUARD BASE, MI

This license is not subject to Title 10, United States Code, Section 2662.

IN WITNESS WHEREOF, I have hereunto set my hand by authority of the Secretary of the Air Force this 26 day of January 1992.

Michael G. Barter
MICHAEL G. BARTER
Chief, Real Estate Division
Louisville District, Corps of Engineers
Louisville, Kentucky

The above instrument, together with all the conditions and provisions thereof, is hereby accepted this 19th day of December 1991.

STATE OF MICHIGAN, DEPARTMENT
OF MILITARY AFFAIRS

BY: Ronald L. Seely
RONALD L. SEELY, Brig Gen, MI ANG
TITLE: Assistant Adjutant General for Air



AERIAL 1 SEVILLE MANOR, YEAR 2000



AERIAL 2 SEVILLE MANOR, YEAR 1993



AERIAL 3 SEVILLE MANOR, YEAR 1985



AERIAL 4 SEVILLE MANOR, YEAR 1973



AERIAL 5 SEVILLE MANOR, YEAR 1964



AERIAL 6 SEVILLE MANOR, YEAR1955



AERIAL 7 SEVILLE MANOR, YEAR 1940



The EDR Radius Map with GeoCheck[®]

**Seville Manor
Sugarbush/Cotton
Chesterfield, MI 48047**

Inquiry Number: 1069375.3s

October 23, 2003

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06890

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

SUGARBUSH/COTTON
CHESTERFIELD, MI 48047

COORDINATES

Latitude (North): 42.661200 - 42° 39' 40.3"
Longitude (West): 82.812100 - 82° 48' 43.6"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 351483.6
UTM Y (Meters): 4724570.0
Elevation: 587 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2442082-F7 NEW HAVEN, MI
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRIS-TSD..... Resource Conservation and Recovery Information System
RCRIS-LQG..... Resource Conservation and Recovery Information System
RCRIS-SQG..... Resource Conservation and Recovery Information System
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

SHWS..... Contaminated Sites

EXECUTIVE SUMMARY

SWF/LF	Solid Waste Facilities Database
LUST	Leaking Underground Storage Tank Sites
UST	Underground Storage Tank Facility List
BEA	BASELINE ENVIRONMENTAL ASSESSMENT DATABASE
INDIAN UST	Underground Storage Tanks on Indian Land

FEDERAL ASTM SUPPLEMENTAL

CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
US BROWNFIELDS	A Listing of Brownfields Sites
DOD	Department of Defense Sites
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST	Aboveground Tanks
DEL SHWS	Delisted List of Contaminated Sites

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas	Former Manufactured Gas (Coal Gas) Sites
-----------------------	--

BROWNFIELDS DATABASES

US BROWNFIELDS	A Listing of Brownfields Sites
-----------------------------	--------------------------------

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STATE ASTM STANDARD

HIST LF: The database contains historical information and is no longer updated..

A review of the HIST LF list, as provided by EDR, and dated 03/01/1997 has revealed that there are 2 HIST LF sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DEAN BROTHERS DISPOSAL	OFF 23-MILE RD	1/4 - 1/2 ENE	A1	6
DEAN BROTHERS DISPOSAL	48221 SUGARBUSH RD	1/4 - 1/2 ENE	A2	7

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

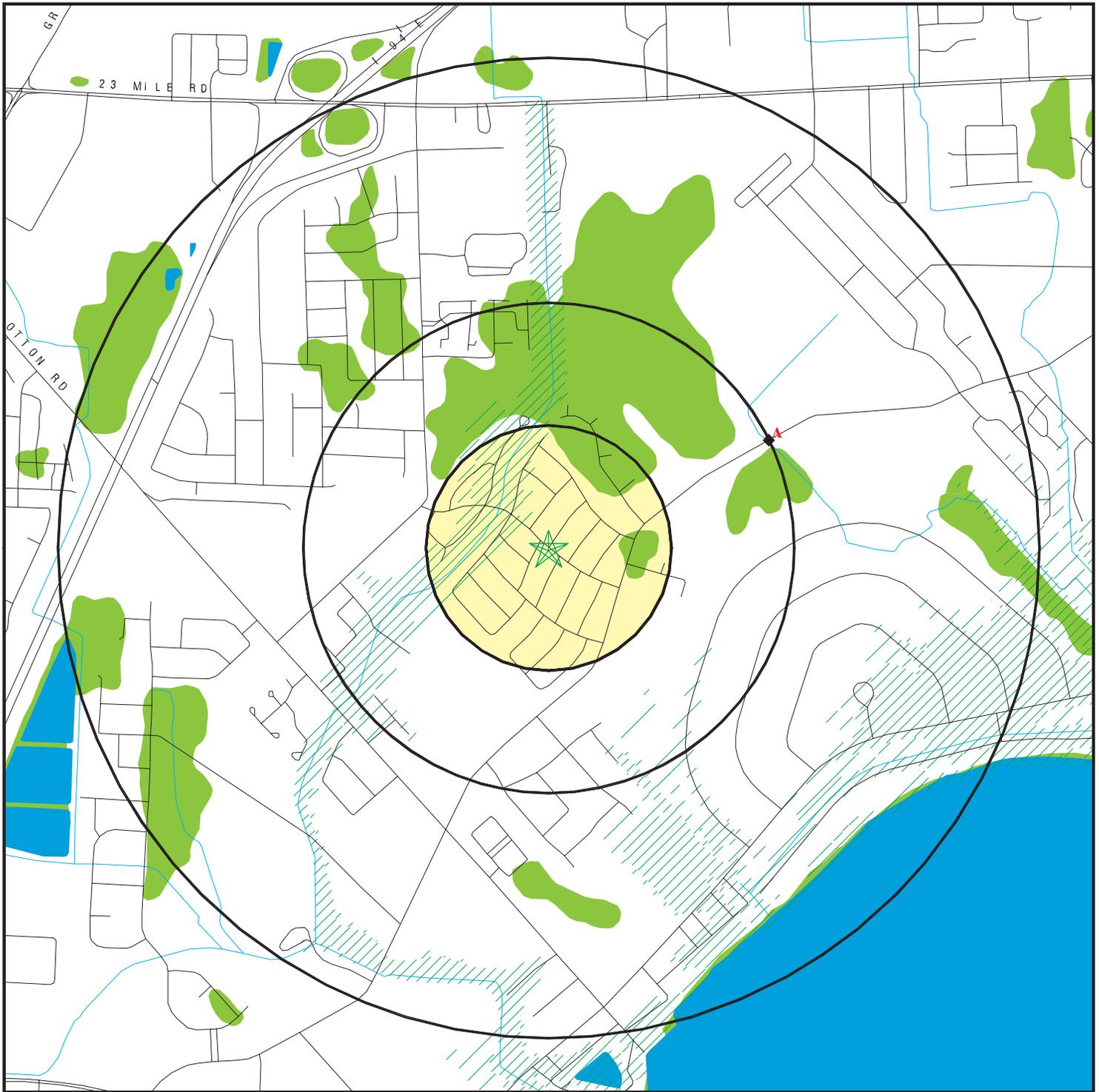
Site Name

SUGARBUSH RD DUMP SITE
SUGARBUSH RD DUMPSITE

Database(s)

SHWS
CERC-NFRAP

OVERVIEW MAP - 1069375.3s - Tetra Tech EM Inc.



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

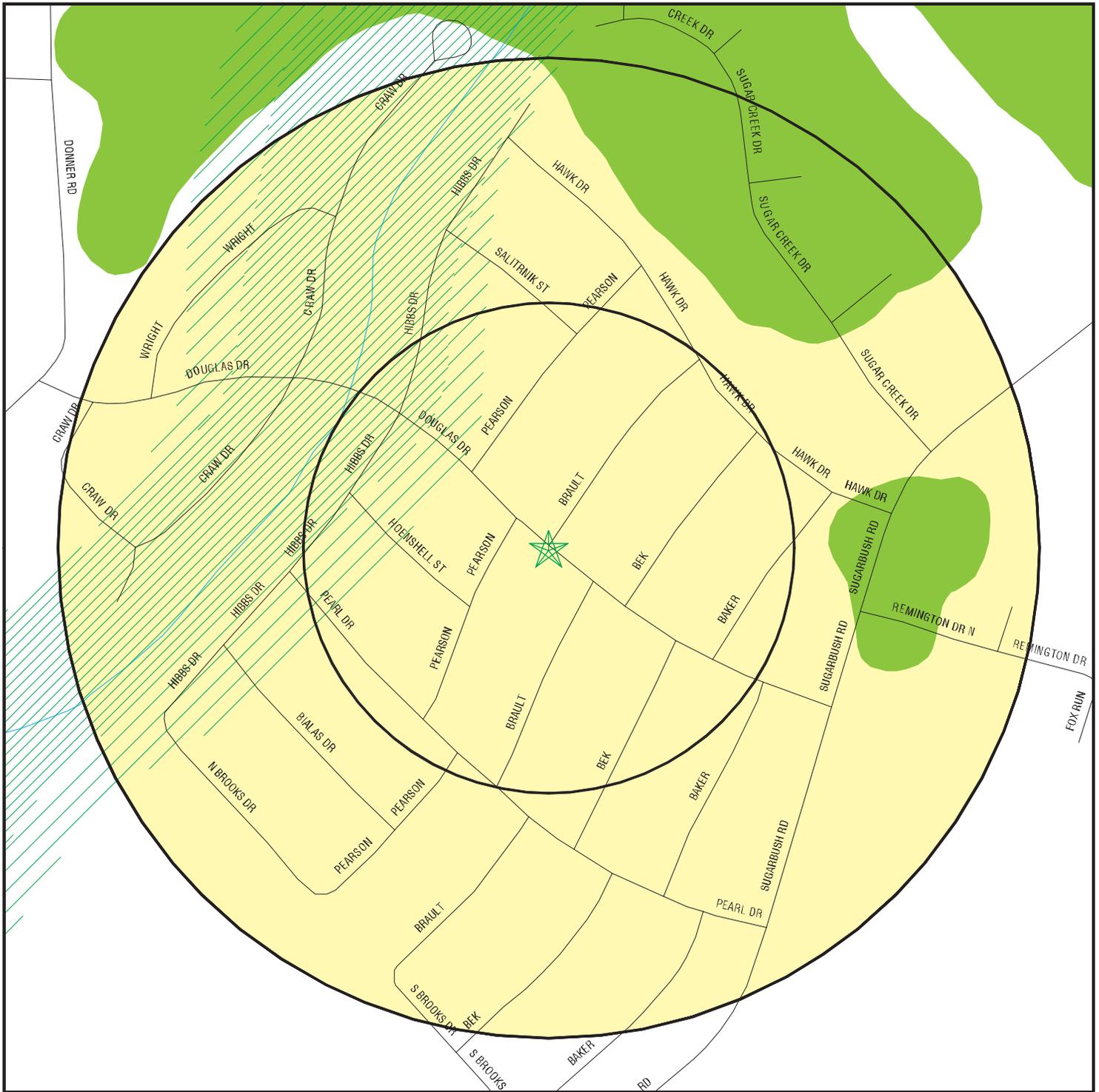
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands



TARGET PROPERTY: Sebille Manor
ADDRESS: Sugarbush/Cotton
CITY/STATE/ZIP: Chesterfield MI 48047
LAT/LONG: 42.6612 / 82.8121

CUSTOMER: Tetra Tech EM Inc.
CONTACT: Heidi Nemeth
INQUIRY #: 1069375.3s
DATE: October 23, 2003 1:54 pm

DETAIL MAP - 1069375.3s - Tetra Tech EM Inc.



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚡ Coal Gasification Sites
- ⚠ Sensitive Receptors
- 🚚 National Priority List Sites
- 🗑️ Landfill Sites
- 🏢 Dept. Defense Sites

- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands



TARGET PROPERTY: Seville Manor
ADDRESS: Sugarbush/Cotton
CITY/STATE/ZIP: Chesterfield MI 48047
LAT/LONG: 42.6612 / 82.8121

CUSTOMER: Tetra Tech EM Inc.
CONTACT: Heidi Nemeth
INQUIRY #: 1069375.3s
DATE: October 23, 2003 1:55 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
BEA		0.500	0	0	0	NR	NR	0
HIST LF		0.500	0	0	2	NR	NR	2
INDIAN UST		0.250	0	0	NR	NR	NR	0
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
AST		TP	NR	NR	NR	NR	NR	0
DEL SHWS		1.000	0	0	0	0	NR	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Coal Gas		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>BROWNFIELDS DATABASES</u>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

A1	DEAN BROTHERS DISPOSAL	HIST LF	S100070700
ENE	OFF 23-MILE RD		N/A
1/4-1/2	, MI		
2630 ft.			

Site 1 of 2 in cluster A

**Relative:
 Lower**

**Actual:
 586 ft.**

HIST LF: Facility ID: 50000023 District: S.E. Michigan Facility Number: 000023 Application Type: Private District: Not reported Amount: 0.00 Issued Date: Not reported Expires: Not reported Expiry: Not reported Facility Email: Not reported Permit Contact: DONALD H DEAN 21600 QUINN RD MT CLEMENS, MI 48043 Applicant Phone: Not reported Owner: Not reported Owner Contact: Not reported Not reported Not reported Owner Phone: Not reported Owner Fax: Not reported Owner Cont: Not reported Liner Information: Not reported Section Number: Not reported Facility Township: Not reported Township Section: Not reported Nature of Wastes Allowed: Not reported Date of Expiry of Current License: Not reported Acreage Currently Licensed: 0.000 Acres Certified Closed: 0.000 Issue of 1st Construction Permit Date: Not reported Acres Given in 1st Construction Permit: 0.000 Acres Given in 2nd Construction Permit: 0.000 Issue of 3rd Construction Permit Date: Not reported Acres Given in 3rd Construction Permit: 0.000 Restrictive Deed Covenant Filed: Not reported Perpetual Care Fund Signed: Not reported Perpetual Care Fund Agreement Signed: Not reported Perpetual Care Fund Type: Not reported Groundwater Monitoring System Exists: Not reported Date landill Certified Closed: Not reported Liner Type: Not reported Reported Date: Not reported Received Waste on or After Oct. 9, 1991: Not reported Site Monitorable Under Definition of New Rules: Not reported County Code: 50 County Description: Not reported County 2 Description: Not reported Financial Instrument: Not reported	Contact: Not reported Active: No Township Section: Not reported Facility Type: Other Business Type: Not reported Fund Type: Not reported Facility Phone: Not reported License No: Not reported Licensed: Not reported Permit Applicant: Not reported Owner Email: Not reported
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Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

DEAN BROTHERS DISPOSAL (Continued)

S100070700

Facility Fax:	Not reported	Facility Contact:	Not reported
Facility Type 2:	Not reported	Facility Type 3:	Not reported
Facility Type 4:	Not reported	Facility Type:	Not reported
Staff:	Not reported	Permit Date:	Not reported
Permit Number:	Not reported	License Date:	/ /
Facility Town:	CHESTERFIELD		
No Waste:	Not reported		
Operator:	Not reported		
Operator Contact:	Not reported		
	Not reported		
	Not reported		
Operator Phone:	Not reported		
Operator Email:	Not reported		
Operator Fax:	Not reported		
Enforcement:	Not reported		
Exp Letters:	Not reported		
Comments:	Not reported		

A2
ENE
 1/4-1/2
 2638 ft.

DEAN BROTHERS DISPOSAL
48221 SUGARBUSH RD
MT CLEMENS, MI 48043

HIST LF S100069824
N/A

Site 2 of 2 in cluster A

Relative:
Lower

HIST LF:

Actual:
586 ft.

Facility ID:	50000024	Contact:	Not reported
District:	S.E. Michigan	Active:	No
Facility Number:	000024	Township Section:	Not reported
Application Type:	Private	Facility Type:	Other
District:	Not reported	Business Type:	Not reported
Amount:	0.00	Fund Type:	Not reported
Issued Date:	Not reported	Facility Phone:	Not reported
Expires:	Not reported	License No:	Not reported
Expiry:	Not reported	Licensed:	Not reported
Facility Email:	Not reported	Permit Applicant:	Not reported
Permit Contact:	HAROLD DEAN & ROGER QUINN 21600 QUINN RD MT CLEMENS, MI 48043		
Applicant Phone:	Not reported		
Owner:	CHARLES MARSACK ESTATE		
Owner Contact:	Not reported		
	48221 SUGARBUSH RD MT CLEMENS, MI 48043		
Owner Phone:	Not reported		
Owner Fax:	Not reported		
Owner Cont:	Not reported		
Owner Email:	Not reported		
Liner Information:	Not reported		
Section Number:	Not reported		
Facility Township:	Not reported		
Township Section:	Not reported		
Nature of Wastes Allowed:	Not reported		
Date of Expiry of Current License:	Not reported		
Acreage Currently Licensed:	0.000		
Acres Certified Closed:	0.000		
Issue of 1st Construction Permit Date:	Not reported		
Acres Given in 1st Construction Permit:	0.000		
Acres Given in 2nd Construction Permit:	0.000		
Issue of 3rd Construction Permit Date:	Not reported		
Acres Given in 3rd Construction Permit:	0.000		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

DEAN BROTHERS DISPOSAL (Continued)

S100069824

Restrictive Deed Covenant Filed:	Not reported		
Perpetual Care Fund Signed:	Not reported		
Perpetual Care Fund Agreement Signed:	Not reported		
Perpetual Care Fund Type:	Not reported		
Groundwater Monitoring System Exists:	Not reported		
Date landill Certified Closed:	Not reported		
Liner Type:	Not reported		
Reported Date:	Not reported		
Received Waste on or After Oct. 9, 1991:	Not reported		
Site Monitorable Under Definition of New Rules:	Not reported		
County Code:	50		
County Description:	Not reported		
County 2 Description:	Not reported		
Financial Instrument:	Not reported		
Facility Fax:	Not reported	Facility Contact:	Not reported
Facility Type 2:	Not reported	Facility Type 3:	Not reported
Facility Type 4:	Not reported	Facility Type:	Not reported
Staff:	Not reported	Permit Date:	Not reported
Permit Number:	Not reported	License Date:	/ /
Facility Town:	CHESTERFIELD		
No Waste:	Not reported		
Operator:	Not reported		
Operator Contact:	Not reported		
	Not reported		
	Not reported		
Operator Phone:	Not reported		
Operator Email:	Not reported		
Operator Fax:	Not reported		
Enforcement:	Not reported		
Exp Letters:	Not reported		
Comments:	Not reported		

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CHESTERFIELD	1003871678	SUGARBUSH RD DUMPSITE	SUGARBUSH ROAD BETWEEN COTTON	48047	CERC-NFRAP
CHESTERFIELD	S103085438	SUGARBUSH RD DUMP SITE	SUGARBUSH RD BTWN COTTON / CALLEN	48047	SHWS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/22/03

Date Made Active at EDR: 08/26/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/04/03

Elapsed ASTM days: 22

Date of Last EDR Contact: 08/04/03

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 3

Telephone 215-814-5418

EPA Region 4

Telephone 404-562-8033

EPA Region 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 06/10/03

Date Made Active at EDR: 08/26/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/04/03

Elapsed ASTM days: 22

Date of Last EDR Contact: 08/04/03

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/16/03

Date Made Active at EDR: 08/01/03

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/23/03

Elapsed ASTM days: 39

Date of Last EDR Contact: 09/24/03

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/11/03
Date Made Active at EDR: 08/01/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/23/03
Elapsed ASTM days: 39
Date of Last EDR Contact: 09/24/03

CORRACTS: Corrective Action Report

Source: EPA
Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/13/03
Date Made Active at EDR: 09/18/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/22/03
Elapsed ASTM days: 27
Date of Last EDR Contact: 09/08/03

RCRIS: Resource Conservation and Recovery Information System

Source: EPA
Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/10/03
Date Made Active at EDR: 10/01/03
Database Release Frequency: Varies

Date of Data Arrival at EDR: 09/11/03
Elapsed ASTM days: 20
Date of Last EDR Contact: 09/11/03

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/02
Date Made Active at EDR: 02/03/03
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/27/03
Elapsed ASTM days: 7
Date of Last EDR Contact: 07/28/03

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS
Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 10/01/03
Date of Next Scheduled EDR Contact: 12/15/03

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices
Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Source: EPA
Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/09/03
Database Release Frequency: Annually

Date of Last EDR Contact: 07/07/03
Date of Next Scheduled EDR Contact: 10/06/03

DELISTED NPL: National Priority List Deletions

Source: EPA
Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/22/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/04/03
Date of Next Scheduled EDR Contact: 11/03/03

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA
Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/25/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/02/03
Date of Next Scheduled EDR Contact: 10/06/03

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation
Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/31/03
Database Release Frequency: Annually

Date of Last EDR Contact: 07/23/03
Date of Next Scheduled EDR Contact: 10/20/03

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/16/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/02/03
Date of Next Scheduled EDR Contact: 10/06/03

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 06/07/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/01/03
Date of Next Scheduled EDR Contact: 12/29/03

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/25/03
Date of Next Scheduled EDR Contact: 11/24/03

PADS: PCB Activity Database System

Source: EPA
Telephone: 202-564-3887

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/30/03
Database Release Frequency: Annually

Date of Last EDR Contact: 08/13/03
Date of Next Scheduled EDR Contact: 11/10/03

DOD: Department of Defense Sites

Source: USGS
Telephone: 703-648-5920

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 04/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/15/03
Date of Next Scheduled EDR Contact: 11/10/03

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency
Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients--States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/15/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/15/03
Date of Next Scheduled EDR Contact: 12/15/03

RAATS: RCRA Administrative Action Tracking System

Source: EPA
Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 09/08/03
Date of Next Scheduled EDR Contact: 12/08/03

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 09/23/03
Date of Next Scheduled EDR Contact: 12/22/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/98

Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 09/02/03

Date of Next Scheduled EDR Contact: 12/08/03

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA

Telephone: 202-564-2501

Date of Government Version: 08/21/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/23/03

Date of Next Scheduled EDR Contact: 12/22/03

SSTS: Section 7 Tracking Systems

Source: EPA

Telephone: 202-564-5008

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01

Database Release Frequency: Annually

Date of Last EDR Contact: 07/24/03

Date of Next Scheduled EDR Contact: 10/20/03

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/21/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/23/03

Date of Next Scheduled EDR Contact: 12/22/03

STATE OF MICHIGAN ASTM STANDARD RECORDS

SHWS: Contaminated Sites

Source: Department of Environmental Quality

Telephone: 517-373-9541

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 08/18/03

Date Made Active at EDR: 09/17/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/25/03

Elapsed ASTM days: 23

Date of Last EDR Contact: 08/25/03

SWF/LF: Solid Waste Facilities Database

Source: Department of Environmental Quality

Telephone: 517-335-4035

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/16/03
Date Made Active at EDR: 10/16/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 09/23/03
Elapsed ASTM days: 23
Date of Last EDR Contact: 08/11/03

LUST: Leaking Underground Storage Tank Sites
Source: Department of Environmental Quality
Telephone: 517-373-8168

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/12/03
Date Made Active at EDR: 10/09/03
Database Release Frequency: Annually

Date of Data Arrival at EDR: 09/15/03
Elapsed ASTM days: 24
Date of Last EDR Contact: 09/15/03

UST: Underground Storage Tank Facility List
Source: Department of Environmental Quality
Telephone: 517-373-8168

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 09/12/03
Date Made Active at EDR: 10/07/03
Database Release Frequency: Annually

Date of Data Arrival at EDR: 09/15/03
Elapsed ASTM days: 22
Date of Last EDR Contact: 09/15/03

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE
Source: DEPT. OF ENVIRONMENTAL QUALITY
Telephone: 517-373-9541

Date of Government Version: 09/16/03
Date Made Active at EDR: 10/09/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 09/16/03
Elapsed ASTM days: 23
Date of Last EDR Contact: 09/15/03

INDIAN UST: Underground Storage Tanks on Indian Land
Source: EPA Region 5
Telephone: 312-886-6136

Date of Government Version: 11/01/02
Date Made Active at EDR: 12/04/02
Database Release Frequency: Varies

Date of Data Arrival at EDR: 11/12/02
Elapsed ASTM days: 22
Date of Last EDR Contact: 08/25/03

HIST LF: Inactive Solid Waste Facilities
Source: Department of Environmental Quality
Telephone: 517-335-4034

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/97
Date Made Active at EDR: 03/06/03
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/28/03
Elapsed ASTM days: 6
Date of Last EDR Contact: 02/28/03

STATE OF MICHIGAN ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Tanks
Source: Department of Environmental Quality
Telephone: 517-373-8168
Registered Aboveground Storage Tanks.

Date of Government Version: 09/23/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 09/15/03
Date of Next Scheduled EDR Contact: 12/15/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEL SHWS: Delisted List of Contaminated Sites

Source: Department of Environmental Quality

Telephone: 517-373-9541

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support its listing or the site no longer meets criteria specified in rules.

Date of Government Version: 09/23/03

Database Release Frequency: Varies

Date of Last EDR Contact: 09/19/03

Date of Next Scheduled EDR Contact: 11/24/03

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

BROWNFIELDS DATABASES

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency

Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients--States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A

Date of Next Scheduled EDR Contact: N/A

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SEBILLE MANOR
SUGARBUSH/COTTON
CHESTERFIELD, MI 48047

TARGET PROPERTY COORDINATES

Latitude (North):	42.661201 - 42° 39' 40.3"
Longitude (West):	82.812103 - 82° 48' 43.6"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	351483.6
UTM Y (Meters):	4724570.0
Elevation:	587 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

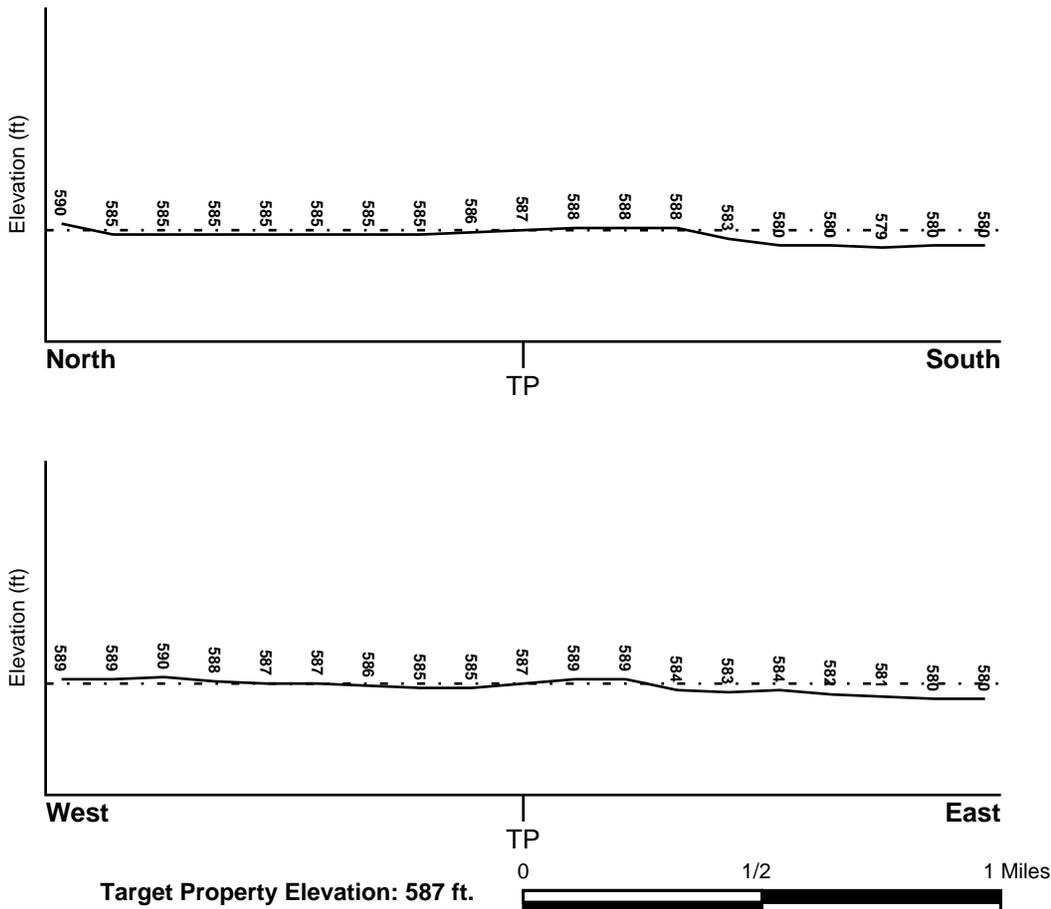
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map: 2442082-F7 NEW HAVEN, MI
General Topographic Gradient: General NNW
Source: USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> MACOMB, MI	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	2601200010B
Additional Panels in search area:	2601200005B

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> NEW HAVEN	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map
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HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile SSW
Site Name:	Sugarbush Rd Dumpsite
Site EPA ID Number:	MID981093933
Surficial Aquifer Flow Dir.:	South-Southeast
Inferred Depth to Water:	15 feet.
Hydraulic Connection:	The site is underlain by lacustrine clay with intermittent sand lenses. The clays are 30 feet to 80 feet thick. The depth to bedrock is approximately 180 feet.
Sole Source Aquifer:	A sole source aquifer is present at or near the site
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
2	1/2 - 1 Mile NNW	E

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Paleozoic
System: Devonian
Series: Upper Devonian
Code: D3 (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: LENAWEE

Soil Surface Texture: clay loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Poorly. Soils may have a saturated zone, a layer of low hydraulic conductivity, or seepage. Depth to water table is less than 1 foot.

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.80 Min: 5.60
2	9 inches	33 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.60 Min: 0.20	Max: 7.80 Min: 6.10
3	33 inches	60 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 8.40 Min: 7.40

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silty clay loam
sandy loam
loamy fine sand
loamy sand
sand
fine sand

Surficial Soil Types: silty clay loam
sandy loam
loamy fine sand
loamy sand
sand
fine sand

Shallow Soil Types: sand

Deeper Soil Types: silty clay
silty clay loam
clay loam
coarse sand
sand

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

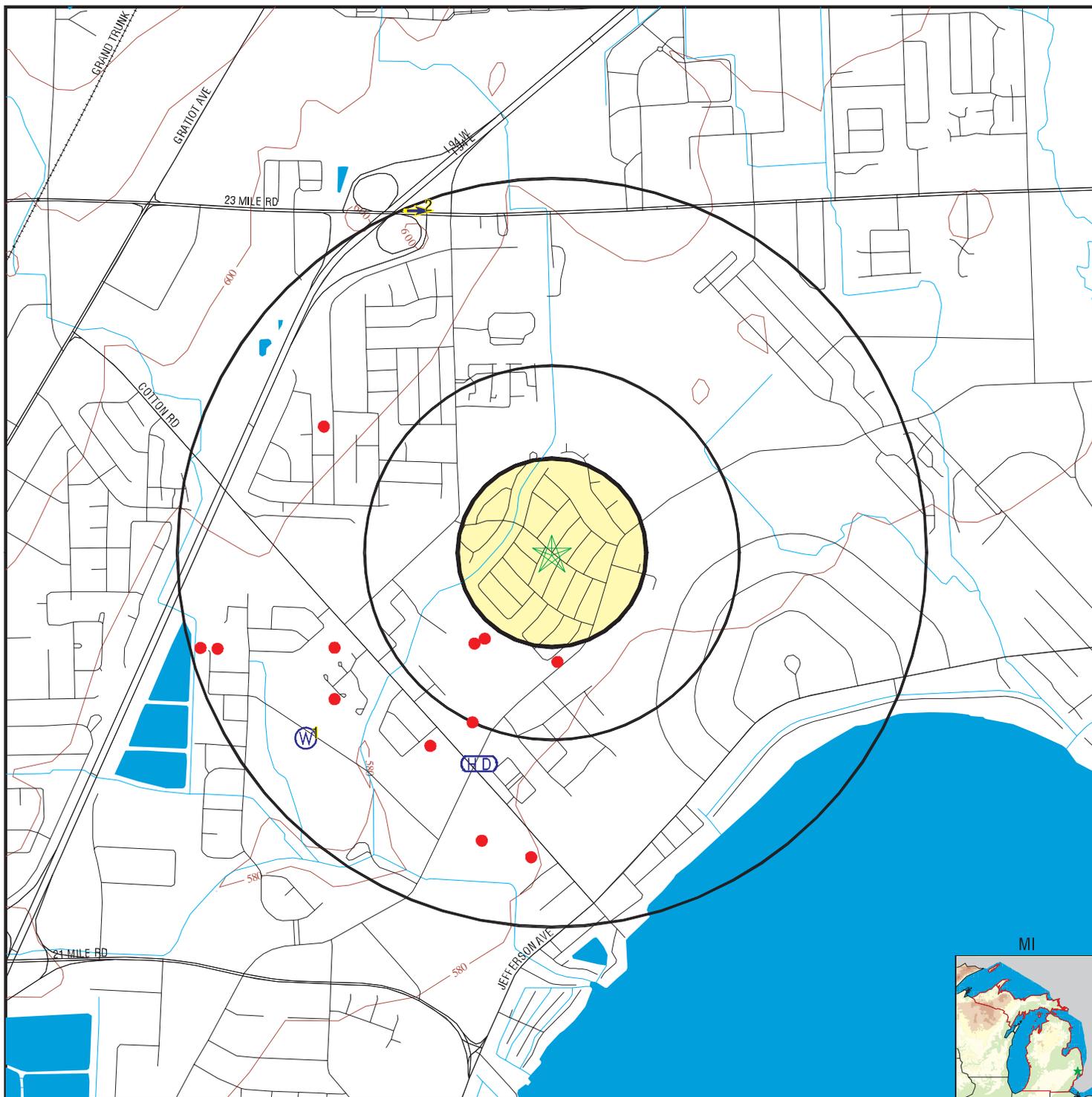
STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	MIWS50000002527	1/2 - 1 Mile SW

STATE OIL/GAS WELL INFORMATION

<u>DISTANCE FROM TP (Miles)</u>	<u>DISTANCE FROM TP (Miles)</u>
1/2 - 1 Mile WNW	1/4 - 1/2 Mile SW
1/4 - 1/2 Mile SW	1/2 - 1 Mile WSW
1/2 - 1 Mile WSW	1/2 - 1 Mile WSW
1/4 - 1/2 Mile South	1/2 - 1 Mile SW
1/2 - 1 Mile SSW	1/2 - 1 Mile SSW
1/2 - 1 Mile SSW	1/2 - 1 Mile South

PHYSICAL SETTING SOURCE MAP - 1069375.3s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



TARGET PROPERTY: Sebille Manor
ADDRESS: Sugarbush/Cotton
CITY/STATE/ZIP: Chesterfield MI 48047
LAT/LONG: 42.6612 / 82.8121

CUSTOMER: Tetra Tech EM Inc.
CONTACT: Heidi Nemeth
INQUIRY #: 1069375.3s
DATE: October 23, 2003 1:55 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1		MI WELLS	MIWS50000002527
SW			
1/2 - 1 Mile			
Lower			

Wellid:	50000002527	Permitno:	Not Reported
County:	Macomb	City:	CHESTERFIELD
Name:	Not Reported	Well depth:	91
Const. Date:	06/10/1987 00:00:00	Well type:	Not Reported
Drill method:	Cable tool	Method Remarks:	Not Reported
Welluse:	Not Reported	Use Remarks:	Not Reported
Status:	Not Reported	Status Remarks:	Not Reported
Depth pump:	0	Pump time:	10
Pump capac:	1	Latitude:	42.65402
Longitude:	-82.82499		

2		AQUIFLOW	35906
NNW			
1/2 - 1 Mile			
Higher			

Site ID:	Not Reported		
Groundwater Flow:	E		
Shallowest Water Table Depth:	Not Reported		
Deepest Water Table Depth:	Not Reported		
Average Water Table Depth:	2		
Date:	01/05/1998		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

WNW
1/2 - 1 Mile

OIL_GAS 0000023247

API Well No:	21099222300000	County:	MACOMB
Permit No:	22230	Township:	CHESTERFIELD
Permit Date:	03/24/1960	N/S Direction:	N
Slant:	V	E/W Direction:	E
BH County:	MACOMB	10-acre Fraction:	SE
Tier:	3	160-acre Fraction:	SE
Range:	14	Well No:	1
Section:	20	Lease Name:	MAKANYK, WILLIAM UNIT D-3
40-acre Fraction:	SW	Permitted Owner:	MOSKOWITZ CHARLES J
Lease Name:	MAKANYK, WILLIAM UNIT D-3	Surface Owner:	Not Reported
Permitted Owner:	MOSKOWITZ CHARLES J	Elevation:	588
Surface Owner:	Not Reported	Depth:	2700
Elevation:	588	State Land:	NO
Formation:	CLNTN	Well type:	Dry Hole
Federal Land:	NO	Surface X Coord:	2405895.500
Well Status:	Plugging Approved	Bottom X Coord:	2405895.500
Surface Y Coord:	428587.270	MGR Surface X Coord:	760093.630
Bottom Y Coord:	428587.270	MGR Bottom X Coord:	760093.630
MGR Surface Y Coord:	240021.440	Description:	Dry Hole
MGR Bottom Y Coord:	240021.440		

SW
1/4 - 1/2 Mile

OIL_GAS 0000027989

API Well No:	21099267610000	County:	MACOMB
Permit No:	26761	Township:	CHESTERFIELD
Permit Date:	01/31/1967	N/S Direction:	N
Slant:	V	E/W Direction:	E
BH County:	MACOMB	10-acre Fraction:	SW
Tier:	3	160-acre Fraction:	NW
Range:	14	Well No:	1
Section:	28	Lease Name:	MILLER, WILLIAM & HELEN ET AL AND
40-acre Fraction:	NW	Permitted Owner:	BERNHARDT OIL AND GAS CO
Lease Name:	MILLER, WILLIAM & HELEN ET AL AND	Surface Owner:	Not Reported
Permitted Owner:	BERNHARDT OIL AND GAS CO	Elevation:	590
Surface Owner:	Not Reported	Depth:	2552
Elevation:	590	State Land:	NO
Formation:	B NGRN	Well type:	Dry Hole
Federal Land:	NO	Surface X Coord:	2408216.410
Well Status:	Plugging Approved	Bottom X Coord:	2408216.410
Surface Y Coord:	425636.510	MGR Surface X Coord:	760818.810
Bottom Y Coord:	425636.510	MGR Bottom X Coord:	760818.810
MGR Surface Y Coord:	239136.520	Description:	Dry Hole
MGR Bottom Y Coord:	239136.520		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SW
1/4 - 1/2 Mile

OIL_GAS 0000036522

API Well No:	21099350200000	County:	MACOMB
Permit No:	35020	Township:	CHESTERFIELD
Permit Date:	09/18/1981	N/S Direction:	N
Slant:	V	E/W Direction:	E
BH County:	MACOMB	10-acre Fraction:	SW
Tier:	3	160-acre Fraction:	NW
Range:	14	Well No:	1-28
Section:	28	Depth:	2519
40-acre Fraction:	NW	State Land:	NO
Lease Name:	EHLICH	Well type:	Oil Well
Permitted Owner:	EHLICH JAMES AND MARY JOAN	Surface X Coord:	2408072.420
Surface Owner:	Not Reported	Bottom X Coord:	2408072.420
Elevation:	587	MGR Surface X Coord:	760775.380
Formation:	B NGRN	MGR Bottom X Coord:	760775.380
Federal Land:	NO	Description:	Oil Well
Well Status:	Plugging Approved		
Surface Y Coord:	425564.660		
Bottom Y Coord:	425564.660		
MGR Surface Y Coord:	239113.750		
MGR Bottom Y Coord:	239113.750		

WSW
1/2 - 1 Mile

OIL_GAS 0000022978

API Well No:	21099219840000	County:	MACOMB
Permit No:	21984	Township:	CHESTERFIELD
Permit Date:	11/30/1959	N/S Direction:	N
Slant:	V	E/W Direction:	E
BH County:	MACOMB	10-acre Fraction:	SE
Tier:	3	160-acre Fraction:	NE
Range:	14	Well No:	1
Section:	29	Depth:	2519
40-acre Fraction:	NW	State Land:	NO
Lease Name:	REINDEL, EARL	Well type:	Dry Hole
Permitted Owner:	MOSKOWITZ CHARLES J	Surface X Coord:	2406102.030
Surface Owner:	Not Reported	Bottom X Coord:	2406102.030
Elevation:	586	MGR Surface X Coord:	760175.560
Formation:	B NGRN	MGR Bottom X Coord:	760175.560
Federal Land:	NO	Description:	Dry Hole
Well Status:	Plugging Approved		
Surface Y Coord:	425470.920		
Bottom Y Coord:	425470.920		
MGR Surface Y Coord:	239073.170		
MGR Bottom Y Coord:	239073.170		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

WSW **OIL_GAS** **0000023847**
1/2 - 1 Mile

API Well No: 21099228050000	
Permit No: 22805	
Permit Date: 10/21/1960	
Slant: V	County: MACOMB
BH County: MACOMB	Township: CHESTERFIELD
Tier: 3	N/S Direction: N
Range: 14	E/W Direction: E
Section: 29	10-acre Fraction: S2
40-acre Fraction: NE	160-acre Fraction: NW
Lease Name: MOK, IRA, ET AL (UNIT D-5)	Well No: 1
Permitted Owner: MOSKOWITZ CHARLES J	
Surface Owner: Not Reported	
Elevation: Not Reported	Depth: Not Reported
Formation: Not Reported	State Land: NO
Federal Land: NO	Well type: Dry Hole
Well Status: Plugging Approved	Surface X Coord: 2404212.750
Surface Y Coord: 425433.380	Bottom X Coord: 2404212.750
Bottom Y Coord: 425433.380	MGR Surface X Coord: 759600.130
MGR Surface Y Coord: 239050.220	MGR Bottom X Coord: 759600.130
MGR Bottom Y Coord: 239050.220	
Description: Dry Hole	

WSW **OIL_GAS** **0000025219**
1/2 - 1 Mile

API Well No: 21099228050100	
Permit No: 24123	
Permit Date: 06/18/1962	
Slant: V	County: MACOMB
BH County: MACOMB	Township: CHESTERFIELD
Tier: 3	N/S Direction: N
Range: 14	E/W Direction: E
Section: 29	10-acre Fraction: S2
40-acre Fraction: NE	160-acre Fraction: NW
Lease Name: MOK, IRA E ET AL (UNIT D-5)	Well No: 1
Permitted Owner: MILLS GLEN A	
Surface Owner: Not Reported	
Elevation: Not Reported	Depth: Not Reported
Formation: Not Reported	State Land: NO
Federal Land: NO	Well type: Dry Hole
Well Status: Plugging Approved	Surface X Coord: 2404453.600
Surface Y Coord: 425426.840	Bottom X Coord: 2404453.600
Bottom Y Coord: 425426.840	MGR Surface X Coord: 759673.500
MGR Surface Y Coord: 239049.690	MGR Bottom X Coord: 759673.500
MGR Bottom Y Coord: 239049.690	
Description: Dry Hole	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

South
1/4 - 1/2 Mile

OIL_GAS 0000022820

API Well No:	21099218410000	County:	MACOMB
Permit No:	21841	Township:	CHESTERFIELD
Permit Date:	09/10/1959	N/S Direction:	N
Slant:	V	E/W Direction:	E
BH County:	MACOMB	10-acre Fraction:	NW
Tier:	3	160-acre Fraction:	NW
Range:	14	Well No:	1
Section:	28	Depth:	2707
40-acre Fraction:	SE	State Land:	NO
Lease Name:	KOROLY, AUGUST & EVA	Well type:	Dry Hole
Permitted Owner:	MOSKOWITZ CHARLES J	Surface X Coord:	2409247.050
Surface Owner:	Not Reported	Bottom X Coord:	2409247.050
Elevation:	582	MGR Surface X Coord:	761134.690
Formation:	CLNTN	MGR Bottom X Coord:	761134.690
Federal Land:	NO	Description:	Dry Hole
Well Status:	Plugging Approved		
Surface Y Coord:	425327.070		
Bottom Y Coord:	425327.070		
MGR Surface Y Coord:	239048.520		
MGR Bottom Y Coord:	239048.520		

SW
1/2 - 1 Mile

OIL_GAS 0000023497

API Well No:	21099224660000	County:	MACOMB
Permit No:	22466	Township:	CHESTERFIELD
Permit Date:	06/20/1960	N/S Direction:	N
Slant:	V	E/W Direction:	E
BH County:	MACOMB	10-acre Fraction:	NE
Tier:	3	160-acre Fraction:	NE
Range:	14	Well No:	1
Section:	29	Depth:	2511
40-acre Fraction:	SW	State Land:	NO
Lease Name:	PLONKA, JOHN, ET AL (UNIT E-1)	Well type:	Dry Hole
Permitted Owner:	ROCK OIL AND GAS CO	Surface X Coord:	2406115.040
Surface Owner:	Not Reported	Bottom X Coord:	2406115.040
Elevation:	587	MGR Surface X Coord:	760183.940
Formation:	A1E	MGR Bottom X Coord:	760183.940
Federal Land:	NO	Description:	Dry Hole
Well Status:	Plugging Approved		
Surface Y Coord:	424745.820		
Bottom Y Coord:	424745.820		
MGR Surface Y Coord:	238852.310		
MGR Bottom Y Coord:	238852.310		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SSW **OIL_GAS** **0000022540**
1/2 - 1 Mile

API Well No: 21099215820000	County: MACOMB
Permit No: 21582	Township: CHESTERFIELD
Permit Date: 05/12/1959	N/S Direction: N
Slant: V	E/W Direction: E
BH County: MACOMB	10-acre Fraction: SW
Tier: 3	160-acre Fraction: NW
Range: 14	Well No: 1
Section: 28	
40-acre Fraction: SW	
Lease Name: MILLER, WILLIAM	
Permitted Owner: MOSKOWITZ CHARLES J	
Surface Owner: Not Reported	
Elevation: 590	Depth: 2529
Formation: A1C	State Land: NO
Federal Land: NO	Well type: Dry Hole
Well Status: Plugging Approved	Surface X Coord: 2408065.550
Surface Y Coord: 424452.840	Bottom X Coord: 2408065.550
Bottom Y Coord: 424452.840	MGR Surface X Coord: 760780.000
MGR Surface Y Coord: 238774.940	MGR Bottom X Coord: 760780.000
MGR Bottom Y Coord: 238774.940	
Description: Dry Hole	

SSW **OIL_GAS** **0000023281**
1/2 - 1 Mile

API Well No: 21099222610000	County: MACOMB
Permit No: 22261	Township: CHESTERFIELD
Permit Date: 04/11/1960	N/S Direction: N
Slant: V	E/W Direction: E
BH County: MACOMB	10-acre Fraction: SE
Tier: 3	160-acre Fraction: NE
Range: 14	Well No: 1
Section: 29	
40-acre Fraction: SE	
Lease Name: OLIVA, FRANK ET AL UNIT A-7	
Permitted Owner: WHITE BUS	
Surface Owner: Not Reported	
Elevation: 588	Depth: 2644
Formation: B NGRN	State Land: NO
Federal Land: NO	Well type: Dry Hole
Well Status: Plugging Approved	Surface X Coord: 2407477.100
Surface Y Coord: 424110.550	Bottom X Coord: 2407477.100
Bottom Y Coord: 424110.550	MGR Surface X Coord: 760602.810
MGR Surface Y Coord: 238667.060	MGR Bottom X Coord: 760602.810
MGR Bottom Y Coord: 238667.060	
Description: Dry Hole	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

SSW
1/2 - 1 Mile

OIL_GAS 0000024259

API Well No:	21099232060000	County:	MACOMB
Permit No:	23206	Township:	CHESTERFIELD
Permit Date:	05/02/1961	N/S Direction:	N
Slant:	V	E/W Direction:	E
BH County:	MACOMB	10-acre Fraction:	NE
Tier:	3	160-acre Fraction:	SW
Range:	14	Well No:	1
Section:	28		
40-acre Fraction:	SW		
Lease Name:	NILSON & ROBINSON (UNIT A-19)		
Permitted Owner:	WHITE BUS		
Surface Owner:	Not Reported		
Elevation:	578	Depth:	2519
Formation:	B NGRN	State Land:	NO
Federal Land:	NO	Well type:	Dry Hole
Well Status:	Plugging Approved	Surface X Coord:	2408224.740
Surface Y Coord:	422786.330	Bottom X Coord:	2408224.740
Bottom Y Coord:	422786.330	MGR Surface X Coord:	760838.750
MGR Surface Y Coord:	238268.140	MGR Bottom X Coord:	760838.750
MGR Bottom Y Coord:	238268.140		
Description:	Dry Hole		

South
1/2 - 1 Mile

OIL_GAS 0000001346

API Well No:	21099012130000	County:	MACOMB
Permit No:	1213	Township:	CHESTERFIELD
Permit Date:	10/05/1931	N/S Direction:	N
Slant:	V	E/W Direction:	E
BH County:	MACOMB	10-acre Fraction:	Not Reported
Tier:	3	160-acre Fraction:	SW
Range:	14	Well No:	1
Section:	0		
40-acre Fraction:	NE		
Lease Name:	KRANTZ, GREGORY, ESTATE		
Permitted Owner:	BROWN H H		
Surface Owner:	Not Reported		
Elevation:	580	Depth:	2575
Formation:	B NGRN	State Land:	YES
Federal Land:	NO	Well type:	Dry Hole
Well Status:	Plugging Approved	Surface X Coord:	2408925.630
Surface Y Coord:	422565.700	Bottom X Coord:	2408925.630
Bottom Y Coord:	422565.700	MGR Surface X Coord:	761053.690
MGR Surface Y Coord:	238205.190	MGR Bottom X Coord:	761053.690
MGR Bottom Y Coord:	238205.190		
Description:	Dry Hole		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Test Type	Zip	Floor	Stop Date	Can 1 Res pCi/L	Can 1 Error	Can 2 Res pCi/L	Can 2 Error
Random	48047	1	3/16/88	0.7	33.3%		
Random	48047	0	1/7/88	1.1	22.8%		
Random	48047	0	1/13/88	1.2	13.6%		
Random	48047	0	11/4/87	3.0	7.5%		

Federal EPA Radon Zone for MACOMB County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 48047

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.700 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.767 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

Water Well Data

Source: Department of Environmental Quality, Drinking Water and Radiological Protection Division
Telephone: 517-335-9218

Michigan Oil and Gas Wells

Source: Michigan Department of Natural Resources
Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

RADON

State Database: MI Radon

Source: Department of Environmental Quality
Telephone: 517-335-9551
Radon Test Results

Area Radon Information

Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration



"Linking Technology with Tradition"

Sanborn® Map Report

Ship to: Heidi Nemeth

Tetra Tech EM Inc.

26600 Telegraph Road

Southfield, MI 48034

Order Date: 10/23/2003 **Completion Date:** 10/24/2003 7:27

Inquiry #: 1069375.4s

P.O. #: NA

Site Name: Seville Manor

Address: Sugarbush/Cotton

City/State: Chesterfield, MI 48047

Cross Streets: Sugarbush/Cotton

Customer Project: G9012.2.0042.10

1652371TMP

248-350-9694

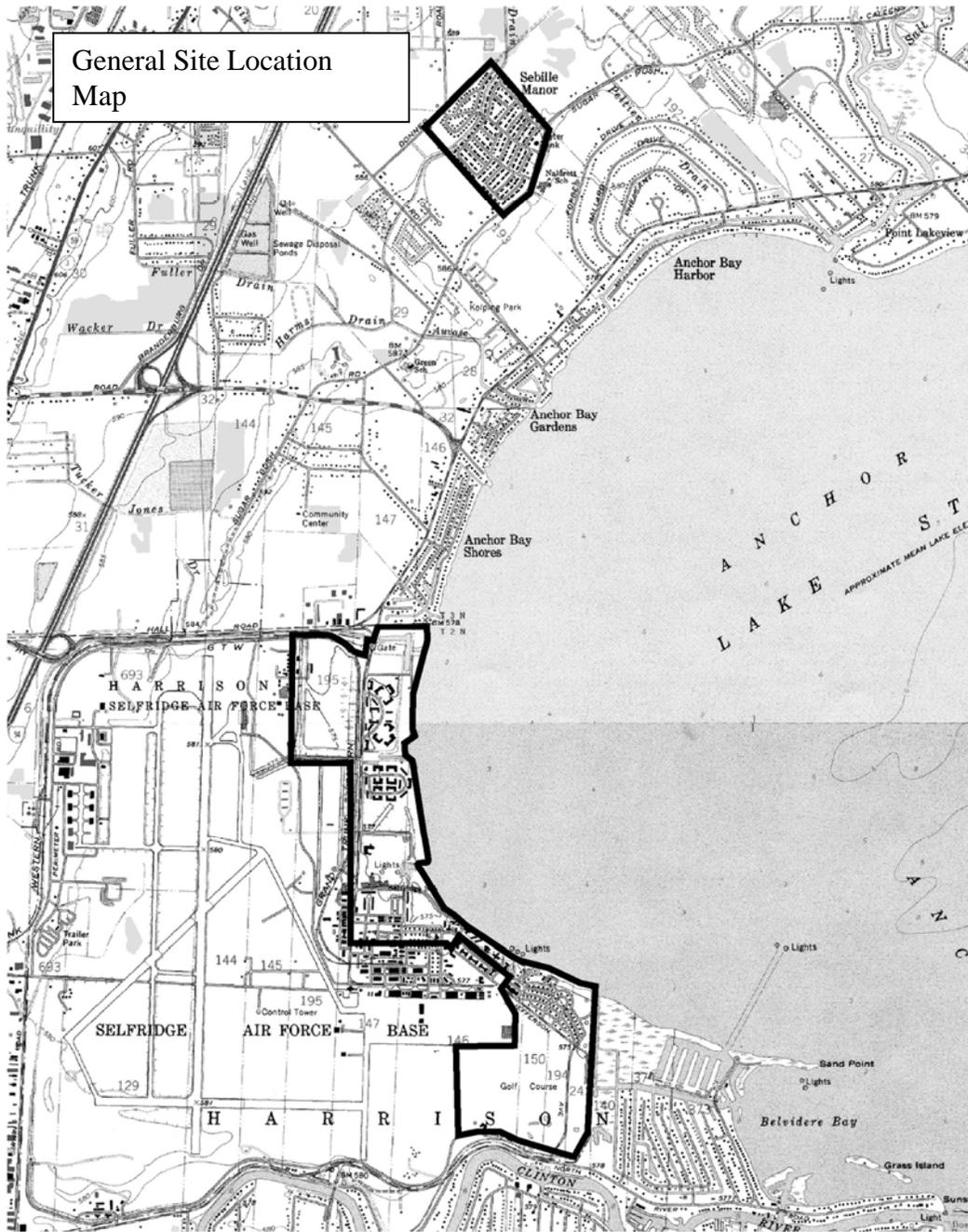
This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client-supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

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APPENDIX C. Site Maps

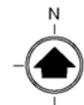


General Site Location Map

Legend:

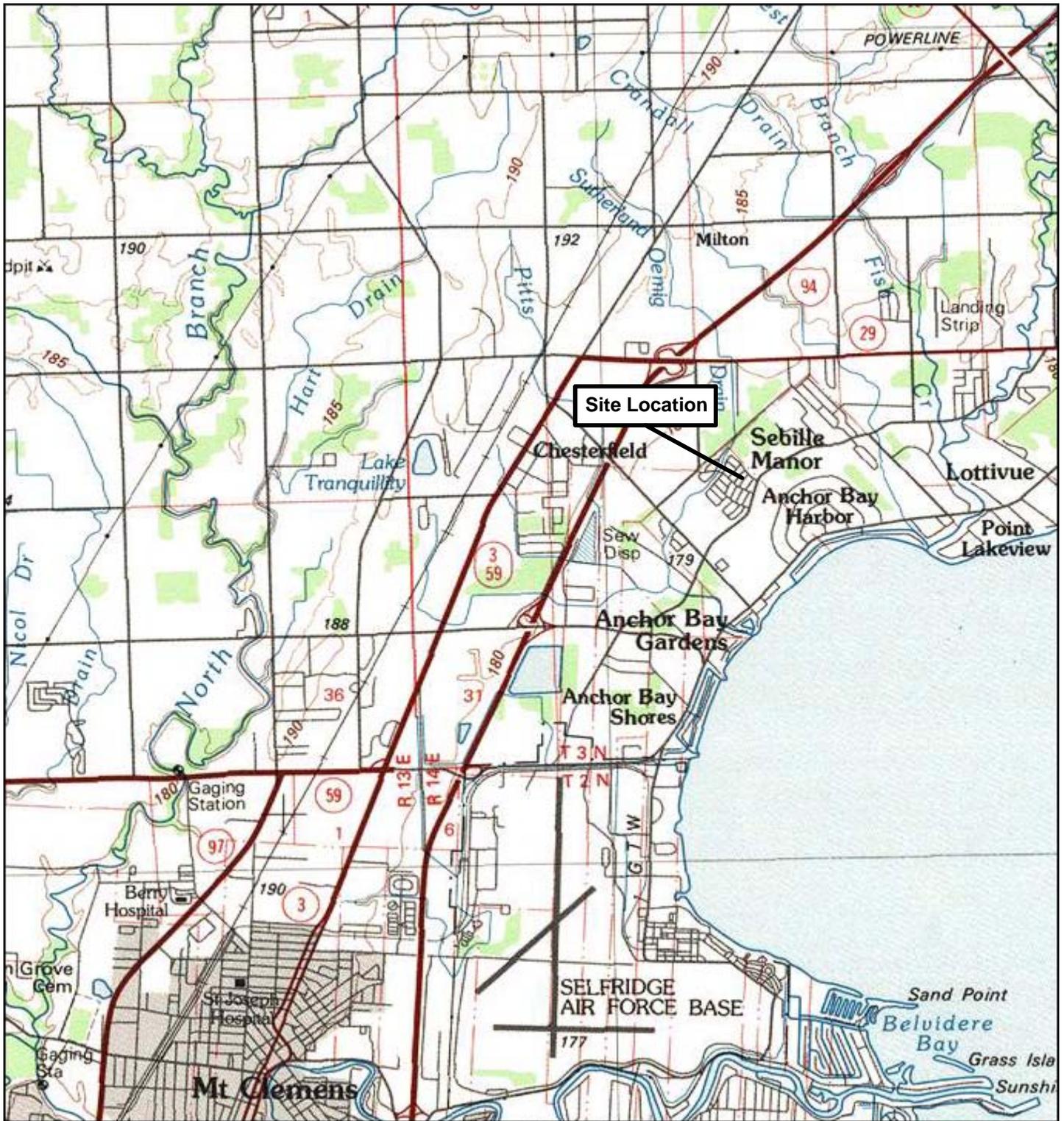
Project Location

Source:
1968 USGS Maps, 1:24,000 Scale
Mt. Clemans East and New Haven, MI



5 0 5 10 15 Kilometers

PARSONS



MN TN
7 1/2°

0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 miles
0 1 2 3 4 5 km

Map created with TOPO! © 2001 National Geographic (www.nationalgeographic.com/topo)



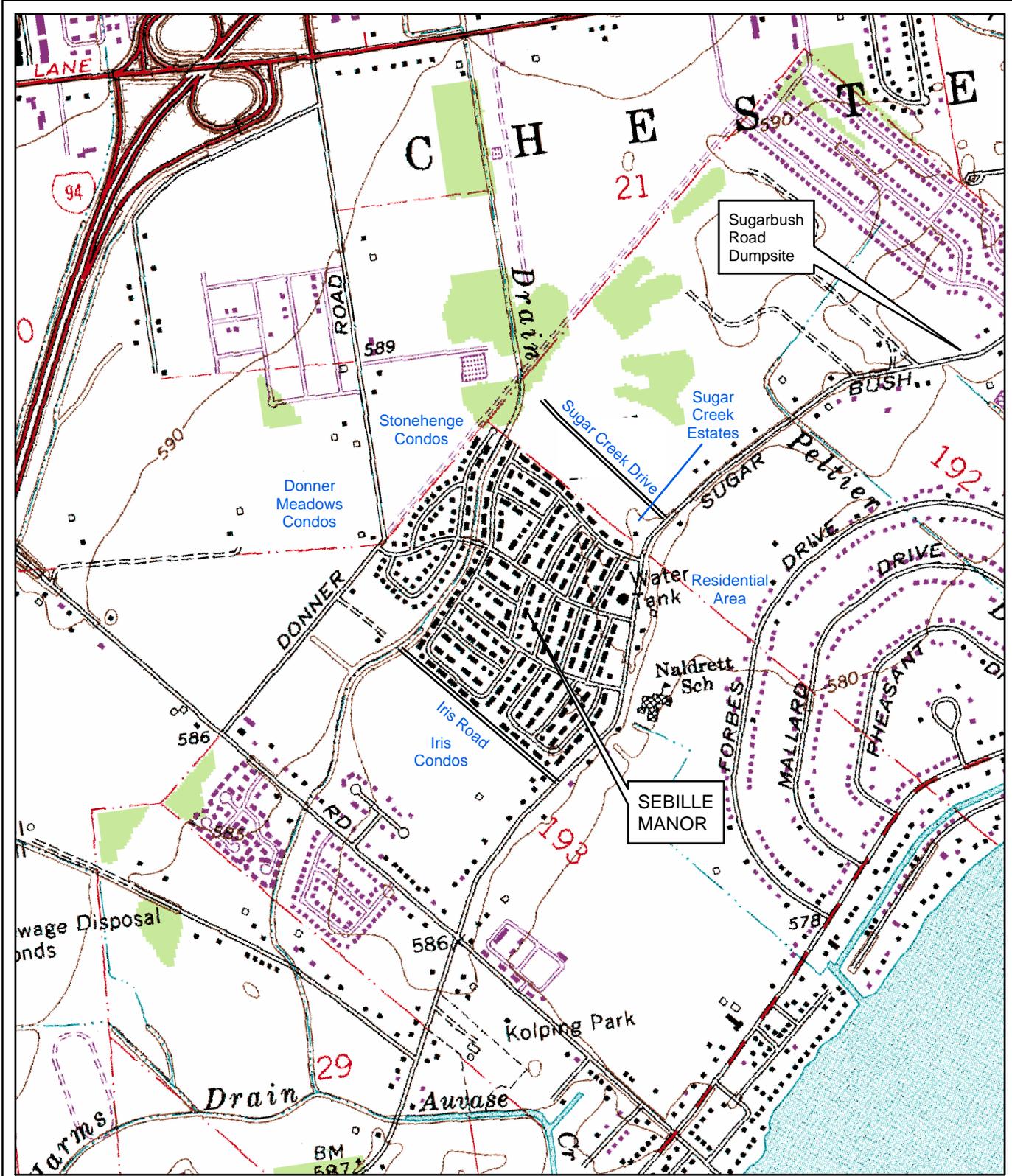
Chesterfield Township, MI



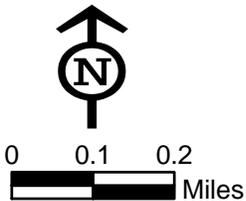
Seville Manor
Environmental Baseline Survey
G9012.3.0042.10.04
Chesterfield Township, Macomb County, Michigan

FIGURE 1
SITE LOCATION MAP

Tt Tetra Tech EM Inc.



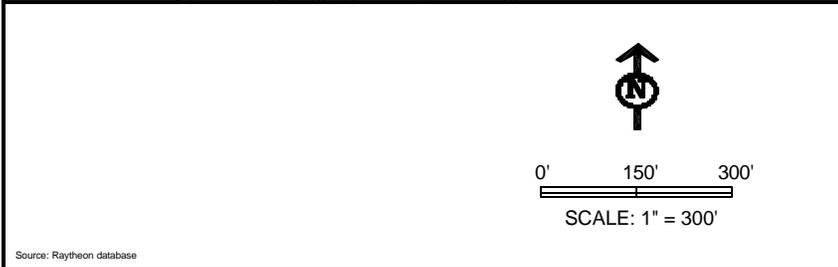
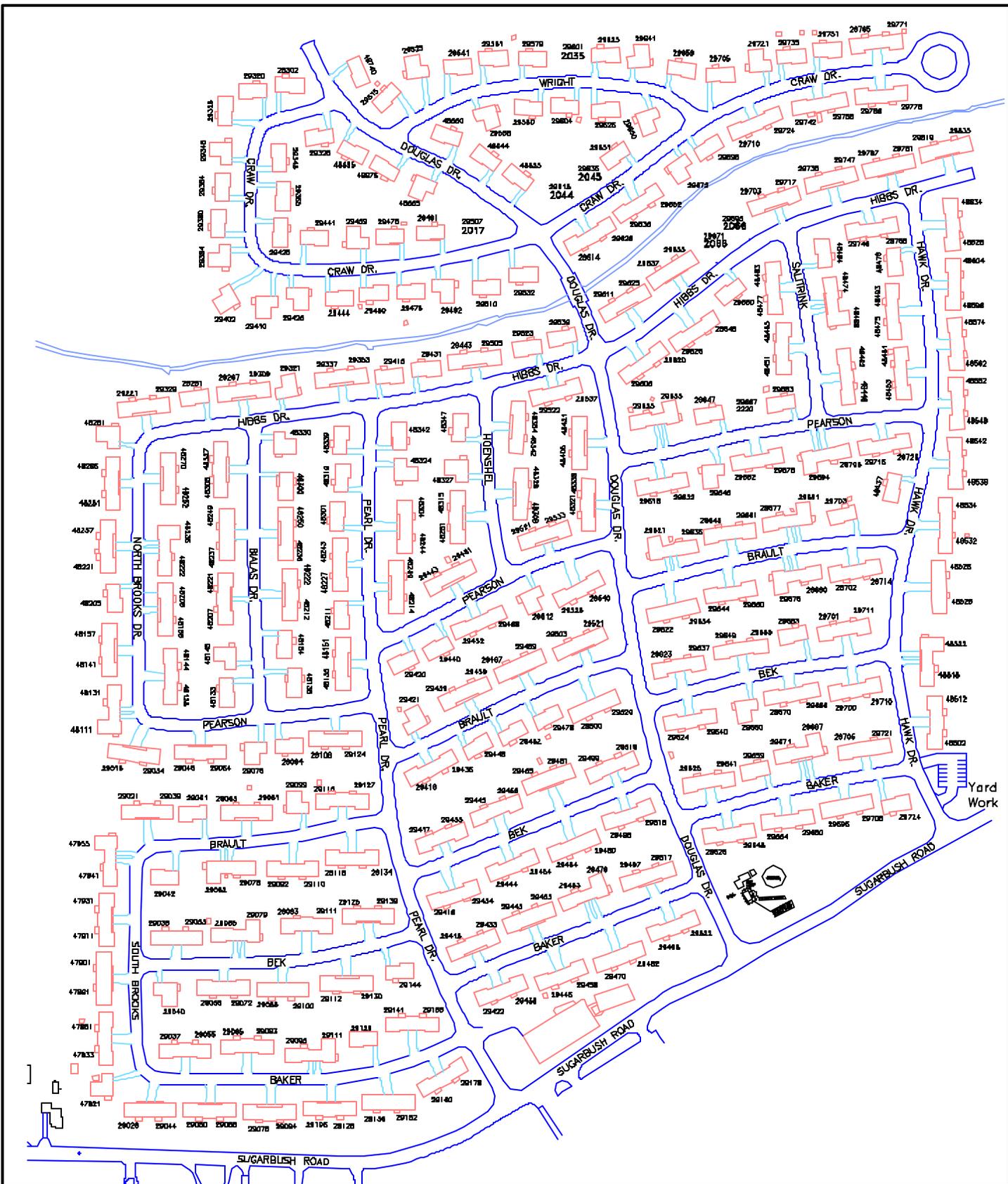
Source: Map adapted from USGS Topographic Quadrangle: New Haven, Michigan (1983).



Seville Manor
Environmental Baseline Survey
G9012.3.0042.10.04
Chesterfield Township, Macomb County, Michigan

FIGURE 2
SITE VICINITY MAP

Tetra Tech EM Inc.

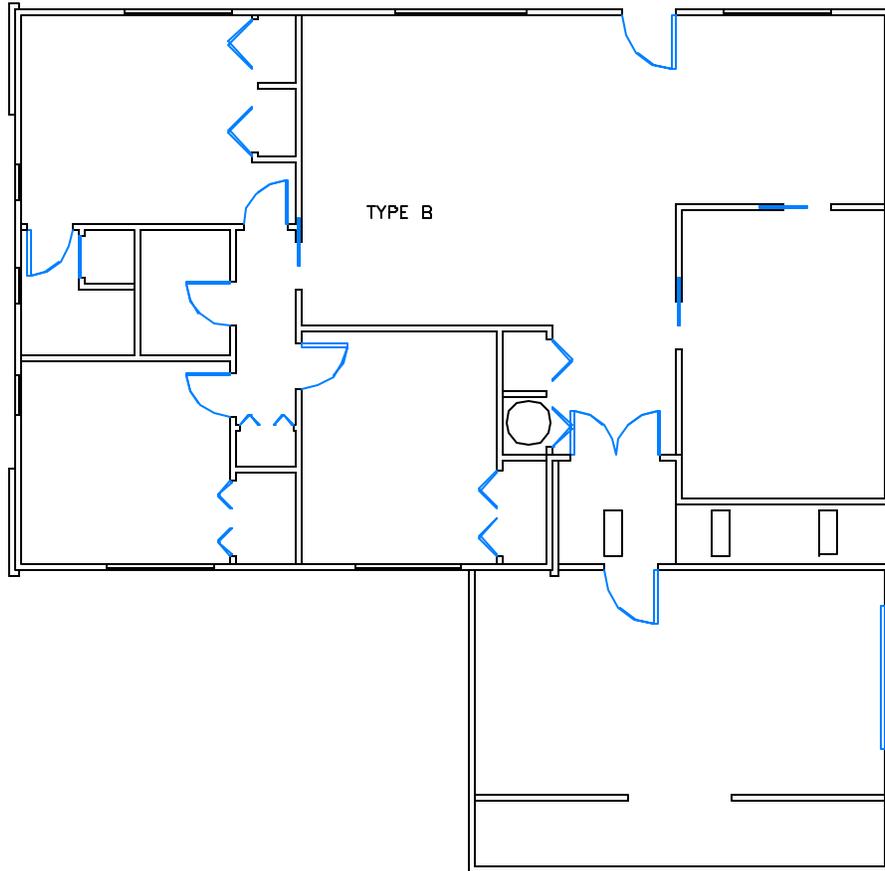


Seville Manor
 Environmental Baseline Survey
 G9012.3.0042.10.04
 Chesterfield Township, Macomb County, Michigan

FIGURE 3
SITE LAYOUT MAP

 **Tetra Tech EM Inc.**

Source: Raytheon database

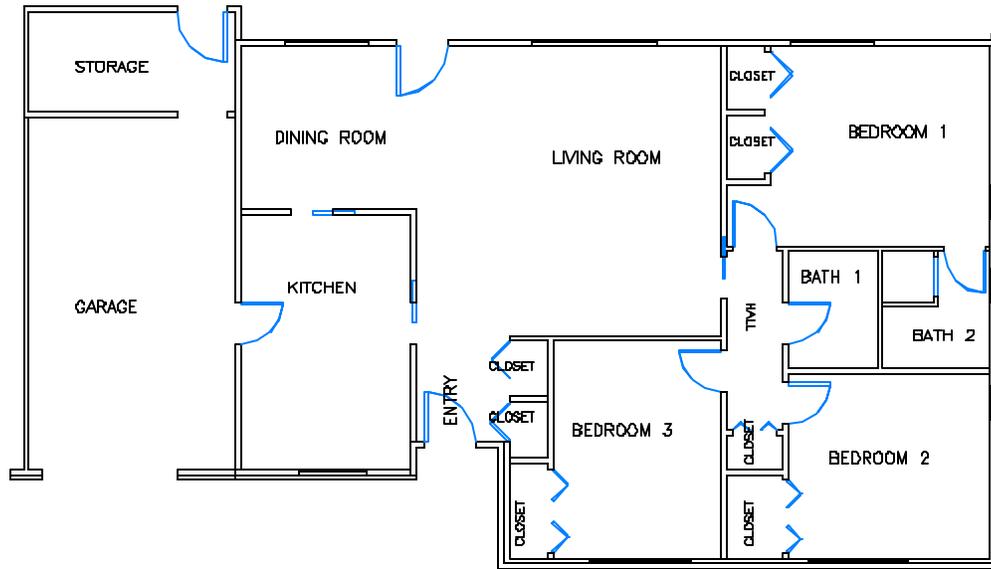


SCALE: $\frac{3}{32}$ " = 1'

Sebille Manor
Environmental Baseline Survey
G9012.3.0042.10.04
Chesterfield Township, Macomb County, Michigan

FIGURE 5
HOUSING UNIT TYPE B

 **Tetra Tech EM Inc.**



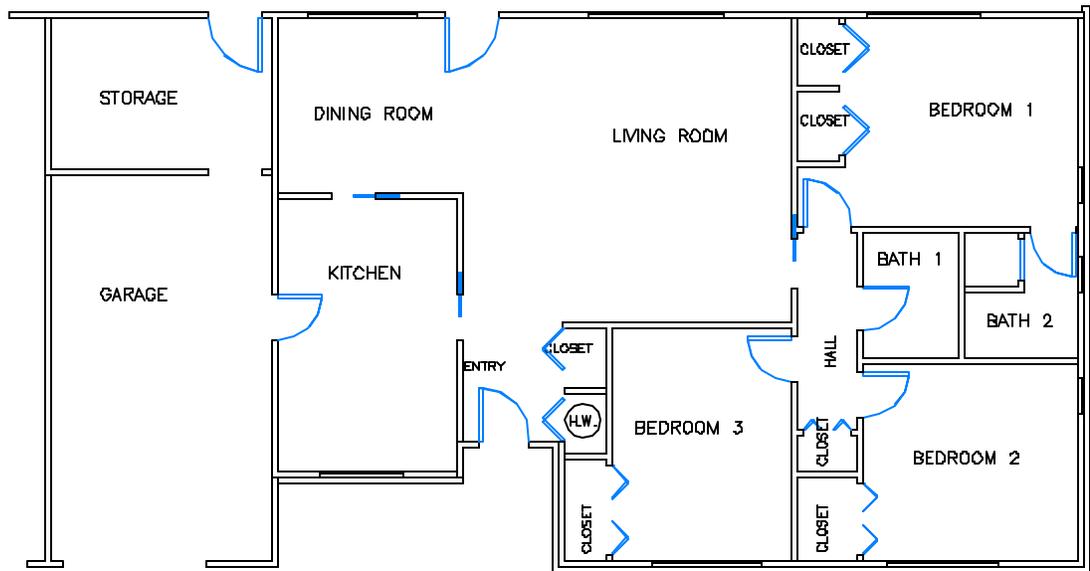
1242 Sq. Ft.

Sebille Manor
 Environmental Baseline Survey
 G9012.3.0042.10.04
 Chesterfield Township, Macomb County, Michigan

FIGURE 6
HOUSING UNIT TYPE C

SCALE: $\frac{3}{32}'' = 1'$

TETRA Tetra Tech EM Inc.



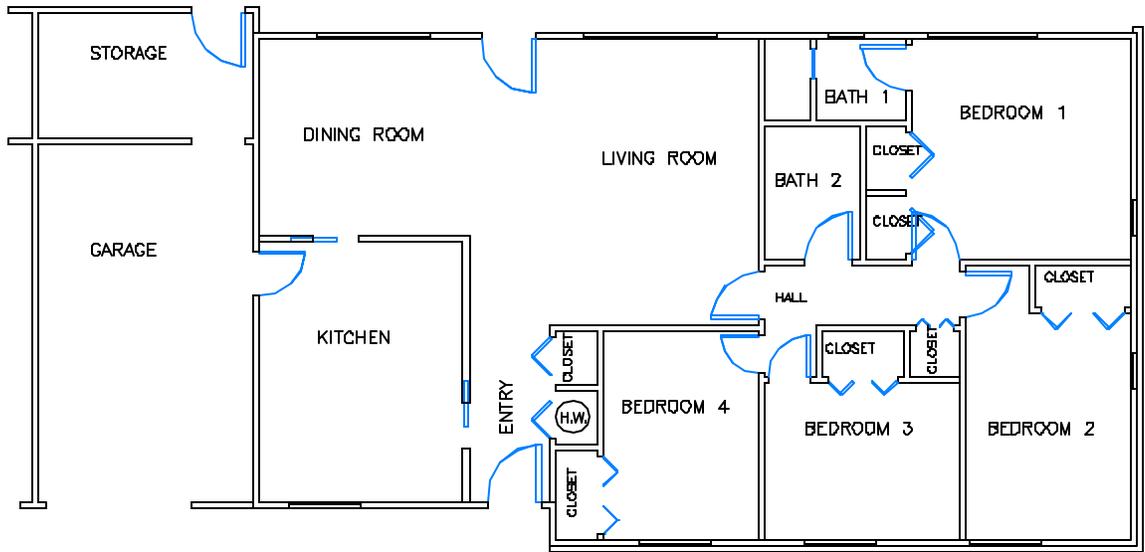
1248 Sq. Ft.

Sebille Manor
 Environmental Baseline Survey
 G9012.3.0042.10.04
 Chesterfield Township, Macomb County, Michigan

FIGURE 7
HOUSING UNIT TYPE D

SCALE: $\frac{3}{32}'' = 1'$

Tt Tetra Tech EM Inc.



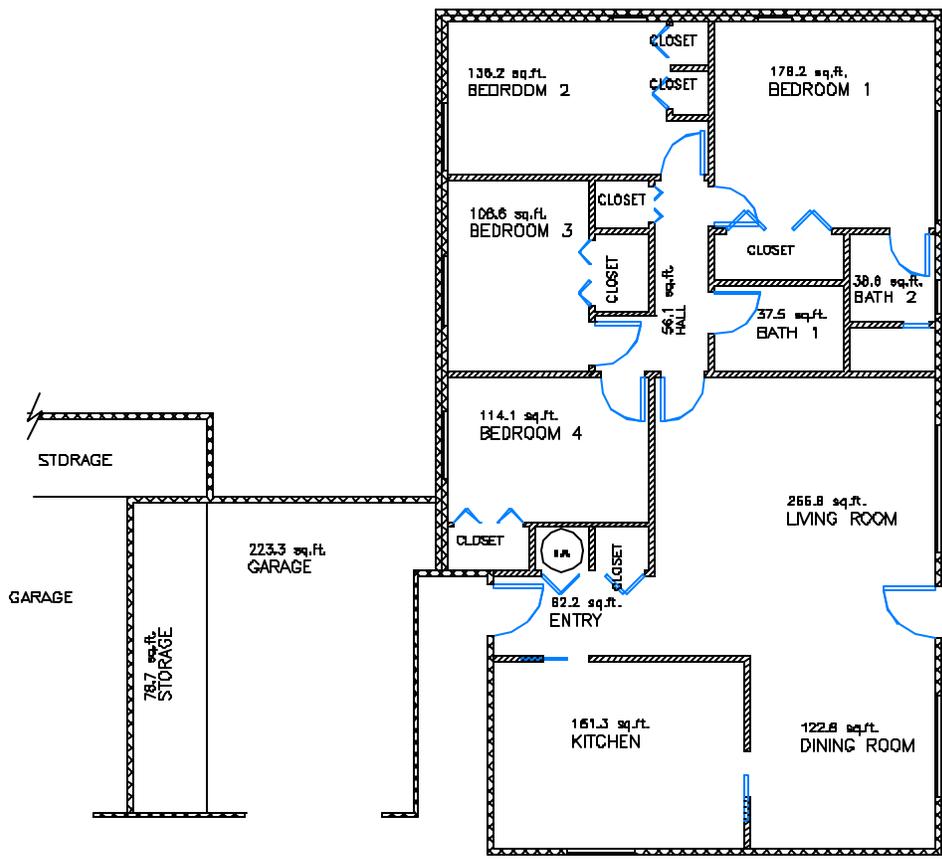
1306 Sq. Ft.

Seville Manor
 Environmental Baseline Survey
 G9012.3.0042.10.04
 Chesterfield Township, Macomb County, Michigan

FIGURE 8
HOUSING UNIT LAYOUT E

Tetra Tech EM Inc.

SCALE: $\frac{3}{32}'' = 1'$



1279 Sq. Ft.

Sebille Manor
 Environmental Baseline Survey
 G9012.3.0042.10.04
 Chesterfield Township, Macomb County, Michigan

FIGURE 9
HOUSING UNIT TYPE F



SCALE: $\frac{3}{32}'' = 1'$

Source: Raytheon database