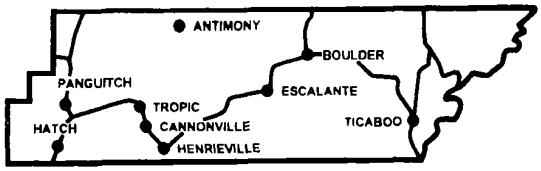
GARFIELD COUNTY

County Commissioners
D. Maloy Dodds
H. Dell LeFevre
Clare M. Ramsay
Camille A. Moore
Clerk/Auditor



55 South Main Street, P.O. Box 77 • Panguitch, Utah 84759
Phone (435) 676-8826 • Fax (435) 676-8239

Joe Thompson, Assessor
Judy Henrie, Treasurer
James D. Perkins, Sheriff
Barry L. Huntington, Attorney
A. Les Barker, Recorder
John W. Yardley,
Justice Court Judge

RECEIVED
APR 0 6 2009
UTAH DIVISION OF
SOLID & HAZARDOUS WASTE
2009.01166

March 26, 2009

Robert Powers
Division of Solid and Hazardous Waste
P.O. Box 144880
Salt Lake City, Utah 84114

Dear Rob:
Enclosed are two paper copies and one electronic copy of the renewal document for the Garfield County Dead Animal Class IV b Landfill. Also included is Garfield County's certification that the documents are accurate. If you need any additional information please contact me at (435) 676-1119.

Sincerely,

Brian B. Bremner
Garfield County Engineer

GARFIELD COUNTY

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H. Dell LeFevre
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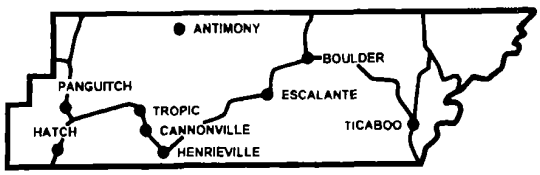

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Justice Court Judge

March 26, 2009

Mr. Dennis Downs
Executive Secretary
Division of Solid and Hazardous Waste
P.O. Box 144880
Salt Lake City, UT 84114-4880

Dear Mr. Downs:

Enclosed are the necessary permit renewal documents for the Garfield County Dead Animal Class IV b Landfill.

Garfield County certifies under penalty of law that the documents and attachments were prepared under the direction of the Garfield County Commission in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on the County's inquiry of those who manage the system or are directly responsible for gathering the data, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. The County is aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or concerns, please contact me at (435) 676-1119. We thank you in advance for your cooperation.

Sincerely,

Brian B. Bremner
Garfield County Engineer

Utah Class IV and VI Landfill Permit Application Form

Part I General Information APPLICANT: PLEASE COMPLETE ALL SECTIONS.

I. Landfill Type	☐ Class IVa ☒ Class IVb ☐ Class VI	**II. Application Type**	☐ New Application ☒ Renewal Application	☐ Facility Expansion ☐ Modification	

For Renewal Applications, Facility Expansion Applications and Modifications Enter Current Permit Number

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UTAH DIVISION OF SOLID & HAZARDOUS WASTE
2009.01166

III. Facility Name and Location

Legal Name of Facility
Garfield County Class IVb Landfill / Dead Animal Pit

Site Address (street or directions to site)			County: Garfield
City	State UT	Zip Code 84759	Telephone (435) 676-1119

Township 34 S	Range 5	Section(s) 2	Quarter/Quarter Section SE	Quarter Section SW

Main Gate Latitude 37 degrees 52 minutes 3 seconds Longitude 112 degrees 23 minutes 11 seconds

IV. Facility Owner(s) Information

Legal Name of Facility Owner
Garfield County

Address (mailing)
P.O. Box 77

City Panguitch	State UT	Zip Code 84759	Telephone (435) 676-1119

V. Facility Operator(s) Information

Legal Name of Facility Operator
Garfield County

Address (mailing)
P.O. Box 77

City Panguitch	State UT	Zip Code 847598	Telephone (435) 676-1119

VI. Property Owner(s) Information

Legal Name of Property Owner
Garfield County

Address (mailing)
P.O. Box 77

City Panguitch	State UT	Zip Code 84759	Telephone (435) 676-1119

VII. Contact Information

Owner Contact Brian Bremner		Title County Engineer	
Address (mailing) P.O. Box 77			
City Panguitch	State UT	Zip Code 84759	Telephone (435) 676-1119
Email Address engineer@scinternet.net		Alternative Telephone (cell or other)	

Operator Contact Brian Bremner		Title County Engineer	
Address (mailing) P.O. Box 77			
City Panguitch	State UT	Zip Code 84759	Telephone (435) 676-1119
Email Address engineer@scinternet.net		Alternative Telephone (cell or other)	

Property Owner Contact Brian Bremner		Title County Engineer	
Address (mailing) P.O. Box 77			
City Panguitch	State UT	Zip Code 84759	Telephone (435) 676-1119
Email Address engineer@scinternet.net		Alternative Telephone (cell or other)	

Utah Class IV and VI Landfill Permit Application Form

Part I General Information (Continued)

VIII. Waste Types (check all that apply)

☐ Landfill will accept all wastes allowed in Class IV or VI landfills **Or** landfill will accept only the following wastes

Waste Type	Combined Disposal Unit	Monofill Unit
☐ Construction & Demolition	☐	☐
☐ Tires	☐	☐
☐ Yard Waste	☐	☐
☒ Animals	☐	☐
☐ Contaminated Soil	☐	☐
☐ Other _____	☐	☐

Note: Disposal of dead animals must be approved by the Executive Secretary

IX. Facility Area

Facility Area	2	acres
Disposal Area	2	acres
Design Capacity		
Years	10	
Cubic Yards	____	
Tons	____	

X. Fee and Application Documents

Indicate Documents Attached To This Application

☐ Application Fee: Amount $

☒ Facility Map or Maps ☒ Facility Legal Description ☒ Plan of Operation ☒ Waste Description
☐ Ground Water Report ☒ Closure Design ☒ Cost Estimates ☒ Financial Assurance

Class VI Special Requirements

☐ Documents required by UCA 19-6-108(9) and (10)

I HEREBY CERTIFY THAT THIS INFORMATION AND ALL ATTACHED PAGES ARE CORRECT AND COMPLETE.

Signature of Authorized Owner Representative Brian B. Bremner Name typed or printed	Title County Engineer	Date 3/31/09
	Address P.O. Box 77, Panguitch, UT 84759	
Signature of Authorized Land Owner Representative (if applicable) Brian B. Bremner Name typed or printed	Title County Engineer	Date 3/31/09
	Address P.O. Box 77, Panguitch, UT 84759	
Signature of Authorized Operator Representative (if applicable) Brian B. Bremner Name typed or printed	Title County Engineer	Date 3/31/09
	Address P.O. Box 77, Panguitch, UT 84759	

Utah Class IV and VI Landfill Permit Application Checklist

Important Note: The following checklist is for the permit application and addresses only the requirements of the Division of Solid and Hazardous Waste. Other federal, state, or local agencies may have requirements that the facility must meet. The applicant is responsible to be informed of, and meet, any applicable requirements. Examples of these requirements may include obtaining a conditional use permit, a business license, or a storm water permit. The applicant is reminded that obtaining a permit under the *Solid Waste Permitting and Management Rules* does not exempt the facility from these other requirements.

An application for a permit to construct and operate a landfill is the documentation that the landfill will be located, designed, constructed, and operated to meet the requirements of Rules R315-305 of the *Utah Solid Waste Permitting and Management Rules* and the *Utah Solid and Hazardous Waste Act* (UCA 19-6-101 through 123). The application should be written to be understandable by regulatory agencies, landfill operators, and the general public. The application should also be written so that the landfill operator, after reading it, will be able to operate the landfill according to the requirements with a minimum of additional training.

Copies of the *Solid Waste Permitting and Management Rules*, the *Utah Solid and Hazardous Waste Act*, along with many other useful guidance documents can be obtained by contacting the Division of Solid and Hazardous Waste at 801-538-6170. Most of these documents are available on the Division's web page at www.hazardouswaste.utah.gov. Guidance documents can be found at the solid waste section portion of the web page.

When the application is determined to be complete, the original complete application and one copy of the complete application are required along with an electronic copy.

Part II **Application Checklist**

I. **Facility General Information**	
Description of Item	Location In Document
Ia. General Information - All Facilities	
Completed Part I General information form above	Attached
General description of the facility (R315-310-3(1)(b))	Page 1
Legal description of property (R315-310-3(1)(c))	Page 2
Proof of ownership, lease agreement, or other mechanism (R315-310-3(1)(c))	Exhibit 2b
If the permit application is for a Class IV landfill, a demonstration that the landfill is not a commercial facility	Page 2
Waste type and anticipated daily volume (R315-310-3(1)(d))	Page 2
Intended schedule of construction (R315-302-2(2)(a))	N/A
Ib. General Information - New Or Laterally Expanding Facilities	
Documentation that the Historical Survey requirements of R315-302-1(2)(f) have been met (R315-305-4(1)(b)(vi))	N/A
Name and address of all property owners within 1000 feet of the facility boundary (R315-310-3(2)(i))	N/A
Documentation that a notice of intent to apply for a permit has been sent to all property owners listed above (R315-310-3(2)(ii))	N/A

I. **Facility General Information**	
Description of Item	Location In Document
Name of the local government with jurisdiction over the facility site (R315-310-3(2)(iii))	N/A
Ic. Location Standards - New Or Laterally Expanding Class IVa Landfills (R315-305-4(1)(a))	
Land use compatibility	N/A
Maps showing the existing land use, topography, residences, parks, monuments, recreation areas or wilderness areas within 1000 feet of the site boundary	N/A
Certifications that no ecologically or scientifically significant areas or endangered species are present in site area	N/A
Maps showing the location of dwellings, residential areas, other structures, and historic structures.	N/A
List of airports within five miles of facility and distance to each	N/A
Geology	N/A
Geologic maps showing significant geologic features, faults, and unstable areas	N/A
Maps showing site soils	N/A
Surface water	N/A
Magnitude of 24 hour 25 year and 100 year storm events	N/A
Average annual rainfall	N/A
Maximum elevation of flood waters proximate to the facility	N/A
Maximum elevation of flood water from 100 year flood for waters proximate to the facility	N/A
Wetlands	N/A
Ground water	N/A
Id. Location Standards - New Or Laterally Expanding Class IVb and VI Landfills	
Floodplains as specified in R315-302-1(2)(c)(ii) (R315-305-4(1)(b)(i))	N/A
Wetlands as specified in R315-302-1(2)(d) (R315-305-4(1)(b)(ii))	N/A
The landfill is located so that the lowest level of waste is at least ten feet above the historical high level of ground water (R315-305-4(1)(b)(iii))	N/A
Geology as specified in R315-302-1(2)(b)(i) and (iv) (R315-305-4(1)(b)(iv))	N/A
Ie. Additional Location Standards - New Or Laterally Expanding Class IVb and VI Landfills Or Landfills Requesting That Dead Animals Be Added As A New Waste Stream (R315-305-4(1)(a)(v))	
Maps showing the existing land use, topography, residences, parks, monuments, recreation areas or wilderness areas within 1000 feet of the site boundary	N/A

I. **Facility General Information**	
Description of Item	Location In Document
Certifications that no ecologically or scientifically significant areas or endangered species are present in site area	N/A
Maps showing the location of dwellings, residential areas, other structures, and historic structures.	N/A
List of airports within five miles of facility and distance to each	N/A
If. Plan Of Operations - All Facilities (R315-310-3(1)(e) and R315-302-2(2))	
Description of on-site waste handling procedures and an example of the form that will be used to record the weights or volumes of waste received (R315-302-2(2)(b) And R315-310-3(1)(f))	Page 4
Schedule for conducting inspections and monitoring, and examples of the forms that will be used to record the results of the inspections and monitoring (R315-302-2(2)(c), R315-302-2(5)(a), and R315-310-3(1)(g))	Page 4
Contingency plans in the event of a fire or explosion (R315-302-2(2)(d))	Page 5
Plan to control fugitive dust generated from roads, construction, general operations, and covering the waste (R315-302-2(2)(g))	Page 5
Plan for letter control and collection (R315-302-2(2)(h))	Page 5
Procedures for excluding the receipt of prohibited hazardous or PCB containing waste (R315-302-2(2)(j))	Page 5
Procedures for controlling disease vectors (R315-302-2(2)(k))	Page 5
A plan for alternative waste handling (R315-302-2(2)(l))	Page 6
A general training and safety plan for site operations (R315-302-2(2)(o))	Page 6
Any recycling programs planned at the facility (R315-303-4(6))	Page 6
Any other site specific information pertaining to the plan of operation required by the Executive Secretary (R315-302-2(2)(o))	N/A
Ig. Additional Plan Of Operation Requirements - Class IVa Facilities	
Corrective action programs to be initiated if ground water is contaminated (R315-302-2(2)(e))	N/A
***II* Facility Technical Information**	
IIa. Maps - All Facilities	
Topographic map drawn to the required scale with contours showing the boundaries of the landfill unit, ground water monitoring well locations, gas monitoring points, and the borrow and fill areas (R315-310-4(2)(a)(i))	Exhibit 6a-6c
Most recent U.S. Geological Survey topographic map, 7-1/2 minute series, showing the waste facility boundary; the property boundary; surface drainage channels; any existing utilities and structures within one-fourth mile of the site; and the direction of the prevailing winds (R315-310-4(2)(a)(ii))	Exhibit 6b

I. **Facility General Information**	
Description of Item	Location In Document
IIb. Geohydrological Assessment - Class IVa Landfills (R315-310-4(2)(b))	
Local and regional geology and hydrology including faults, unstable slopes and subsidence areas on site (R315-310-4(2)(b)(i))	N/A
Evaluation of bedrock and soil types and properties including permeability rates (R315-310-4(2)(b)(ii))	N/A
Depth to ground water (R315-310-4(2)(b)(iii))	N/A
Quantity, location, and construction of any private or public wells on-site or within 2,000 feet of the facility boundary (R315-310-4(2)(b)(v))	N/A
Tabulation of all water rights for ground water and surface water on-site and within 2,000 feet of the facility boundary (R315-310-4(2)(b)(vi))	N/A
Identification and description of all surface waters on-site and within one mile of the facility boundary (R315-310-4(2)(b)(vii))	N/A
For an existing facility, identification of impacts upon the ground water and surface water from leachate discharges (R315-310-4(2)(b)(viii))	N/A
Calculation of site water balance (R315-310-4(2)(b)(ix))	N/A
IIc. Engineering Report, Plans, Specifications, And Calculations - All Facilities	
Unit design to include cover design; fill methods; and elevation of final cover including plans and drawings signed and sealed by a professional engineer registered in the State of Utah, when required (R315-310-3(1)(b) and R315-310-4(2)(c)(iii))	Page 7 Exhibit 6a
Design and location of run-on and run-off control systems (R315-310-4(2)(c)(viii))	Page 7
Anticipated facility life and the basis for calculating the facility's life (R315-310-4(2)(c)(ii))	Page 7
Engineering reports required to meet the location standards of R315-305-4 including documentation of any demonstration or exemption made for any location standard (R315-310-4(2)(c)(i))	Page 7
Identification of borrow sources for final cover (R315-310-4(2)(c)(iv))	Page 7
Run-off collection, treatment, and disposal and documentation to show that any treatment system is being or has been reviewed by the Division of Water Quality (R315-310-4(2)(c)(v) and R315-310-3(1)(i))	Page 8
IId. Closure Requirements - All Facilities	
CLOSURE PLAN (R315-310-3(1)(h))	Page 9
Closure schedule (R315-310-4(2)(d)(i))	Page 9
Design of final cover (R315-310-4(2)(c)(iii))	Page 9

I. **Facility General Information**	
Description of Item	Location In Document
Capacity of site in volume and tonnage (R315-310-4(2)(d)(ii))	Page 9
Final inspection by regulatory agencies (R315-310-4(2)(d)(iii))	Page 9
IIe. Post-Closure Requirements- All Facilities	
POST-CLOSURE CARE PLAN (R315-310-3(1)(h))	Page 10
Changes to record of title, land use, and zoning restrictions (R315-310-4(2)(e)(ii))	Page 10
Maintenance activities to maintain cover and run-on/run-off control systems (R315-310-4(2)(e)(iii))	Page 10
List the name, address, and telephone number of the person or office to contact about the facility during the post-closure care period (R315-310-4(2)(e)(vi))	Page 10
IIf. Financial Assurance - All Facilities (R315-310-3(1)(j))	
Identification of closure costs including cost calculations (R315-310-4(2)(d)(iv))	Page 12
Identification of post-closure care costs including cost calculations (R315-310-4(2)(e)(iv))	Page 12
Identification of the financial assurance mechanism that meets the requirements of Rule R315-309 and the date that the mechanism will become effective (R315-309-1(1))	Page 12

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RENEWAL APPLICATION FOR THE GARFIELD COUNTY CLASS IV b LANDFILL/ DEAD ANIMAL PIT

MARCH 2009

PREPARED BY: GARFIELD COUNTY ENGINEERING DEPT.

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EXHIBITS

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EXHIBIT #2a Project Location Map
EXHIBIT #2b Deed
EXHIBIT #3 Service Area
EXHIBIT #4 Daily Record Form
EXHIBIT #5 Quarterly Inspection Log
EXHIBIT #6a-6c Landfill Map

APPLICATION

INTRODUCTION

This report serves as the application for the Garfield County Class IV b Landfill / Dead Animal Pit located approximately 4 ½ miles North of Panguitch, Utah. The purpose of the application is to comply with R315-310-8 Administrative Rules of the Utah Solid and Hazardous Waste Committee, Utah Department of Environmental Quality.

Garfield County currently owns approximately 2.5 acres and operates a Class IV b Landfill / Dead Animal Pit. The facility complies with Garfield County's solid waste management plan and is capable of servicing the community's current and future needs. The site is located in an area which accommodates livestock interests and permits monitoring on a regular basis. In addition, the site is relatively isolated, has regular topography, and has positive characteristics when considering precipitation and available cover material. Exhibit 1 is a general vicinity map depiction the site.

RESPONSIBLE PARTY

The applicant property owner and responsible party for site operation is:

Garfield County
55 South Main
P.O. Box77
Panguitch, Ut 84759
Attn: Brian Bremner
Phone: (801) 676-1119
Fax: (801) 676-8239

GENERAL DESCRIPTION

The Garfield County Class IV b Landfill / Dead Animal Pit is a natural attenuation facility designed to fulfill the current and future dead animal solid waste disposal needs of Garfield County near Panguitch, Utah. The facility encompasses a total of 2.5 acres and contemplates service to Panguitch and surrounding unincorporated areas under the jurisdiction of the Garfield County Commission. Annual average waste volumes are estimated at less that 1 ton per day, and precipitation is less than 20 inches per year. Facility plans are included in other sections of this document.

LEGAL DESCRIPTION

The site is legally described as the Southwest ¼ of the Southeast ¼ of the Southeast ¼ of the Southwest ¼ , Section 2, Township 34 South, Range 5 West and is located on property owned by Garfield County. A project location map and deed are included as Exhibit 2a and 2b respectively.

The facility's main gate will be located on an existing County road at 112° 23' 11" longitude and 37° 52' 3" latitude (2,000 ft. west of the Southwest corner of Section 2 Township 34 South, Range 5 West). Lands surrounding the facility are considered multiple use / agricultural lands. The closest private land exists adjacent to the site with BLM lands located approximately ¼ mile West.

Garfield County's zoning ordinances apply in the vicinity of the Dead Animal Pit. A conditional use permit has been processed by Garfield County; future zoning policies and ordinances will accommodate the Garfield County Class IV b Landfill / Dead Animal Pits they are adopted.

WASTE TYPES / AREA TO BE SERVED

Dead animals are the only waste authorized for disposal at the Garfield County Class IV b Landfill / Dead Animal Pit. Dead animals received at the facility shall be deposited in a designated disposal trench and will be covered with a minimum of six inches of earth to prevent odors and the propagation and harborage of rodents and insects.

The service area may consist of all lands within the legal boundaries of Garfield County. However, considering the location of the facility and additional solid waste disposal facilities permitted in other areas of the County, it is anticipated the service area will be practically limited to the residents of northwestern Garfield County near Panguitch, Utah. Exhibit 3 illustrates the service area for the Garfield County Class IV b Landfill / Dead Animal Pit.

Garfield County is the owner and operator of the landfill. Garfield County is a body politic and a local subdivision of state government. As such, Garfield County is a tax exempt division of government and cannot provide public services on a commercial basis. Revenues generated at the landfill are used only for solid waste management activities and are not used to fund other governmental activities. Receipts from entities outside Garfield County boundaries are credited to the Solid Waste Management Department budget and are used only to offset solid waste services.

REQUIRED FORMS

The daily record form required by Subsection R315-302-2 (3)(a)(i) is included as Exhibit 4 and aslo serves as the form for recording inspections for hazardous and PCB wastes.

INSPECTIONS

The owner or operator will inspect the facility to prevent malfunctions, deterioration, operation errors, and discharges which may result in the release of wastes to the environment or a threat to human health. The owner or operator will conduct these inspections at least once each quarter and will complete the inspection log included as Exhibit 5. The inspection log will be kept for a minimum of 3 years from the date of inspection.

The Executive Secretary or any duly authorized officer, employee or representative of the Board may, at any reasonable time the facility is open and upon presentation of acceptable credentials, enter the facility for inspection purposes. Copies of all sampling, monitoring, and testing records, including photographic, video, and electronic data, and all data, communications, and results of the inspection shall be furnished to the owner and to the operator within a reasonable time. An inspection report containing a list of any deficiencies and recommended actions will be furnished to the owner and to the operator within a reasonable time. In addition, the inspector may also discuss problems and make preliminary recommendations prior to leaving the facility.

FINANCIAL ASSURANCE

A detailed financial assurance plan as required by R315-309 is included in other sections of this document. Garfield County is in the process of completing the Local Government Financial Assurance Test. If the County is unable to pass the test and upon request, the Garfield County Class IV b Landfill / Dead Animal Pit will establish a dedicated escrow account with satisfactory controls approved by the Executive Secretary for financial assurance sufficient to assure adequate closure. Withdrawal and use of the funds shall be for closure operations and may be used for other landfill purposes if minimum financial assurance requirements for closure and post closure are exceeded. Garfield County reserves the right to alter the financial assurance mechanism as bonds, insurance, guarantees and other vehicles become available.

PLAN OF OPERATION

INTRODUCTION

This document constitutes the plan of operation for the Garfield County Class IV b Landfill / Dead Animal Pit and is intended to comply with the Utah Division of Solid and Hazardous Waste Administrative Rules. Technical questions and comments may be directed to:

Brian B. Bremner
Garfield County Engineer
P.O. Box 77
Panguitch, Utah 84759
(801) 676-1119

HANDLING PROCEDURE

Dead animals will be handled in accordance with Administrative Rules and descriptions below. Dead animals received at the facility shall be deposited in the bottom of a disposal trench designated for dead animals. All dead animals will be covered daily with a minimum of six (6) inches of earth to prevent odors and the propagation and harborage of rodents and insects. Garfield County has arranged for independent contractors to cover the animals 3 times per week. Animals deposited at the landfill will be placed in the disposal trench and covered as soon as practical (but no later than the next day the facility is open). Animals present and actions performed will be recorded on the Disposal Record.

Equipment used at the facility will consist primarily of a tractor owned by Garfield County. When additional equipment is needed it will be borrowed / leased from Garfield County. This may include loaders, trucks, and graders. Other processing equipment may be acquired as funds and needs dictate.

INSPECTIONS AND MONITORING

At least one operator should be on site during all times the facility is open to the public to perform inspection and monitoring functions. Inspection and monitoring at the Garfield County Class IV b Landfill / Dead Animal Pit will be conducted in two components; (1) routine and (2) compliance. Routine inspections will be conducted on each incoming load of material as it enters the facility by the independent contractor as he examines the trench prior to covering.

Compliance inspections will be conducted quarterly to assess the integrity of cover, the condition of side slopes and vegetative cover, and the impacts of erosion. In addition, the detailed annual inspection will include a review to verify compliance with all permit

conditions and state and federal regulations. All inspection records will be kept at the Garfield County Courthouse for a minimum of 3 years.

FIRE / EXPLOSION CONTINGENCY PLAN

In the event of a fire or an explosion that prohibits deposition of incoming waste, the landfill will be closed; Incoming waste will be diverted to an alternate facility. Alternate facilities may include other permitted Class IV b landfills in the area, the John's Valley Landfill, the Wayne County Landfill, the Long Valley Landfill, or other future landfill facilities. Upon resolution of the unexpected event, the facility will be reopened.

DUST CONTROL / AIR QUIALITY

Fugitive dust is not anticipated to reach unacceptable levels at the Dead Animal Pit due to the granular nature of the predominant soils. If fugitive dust exceeds acceptable levels, actions will be implemented to reduce dust. These actions may include watering access roads, developing wind breaks, altering management scenarios, or other appropriate measures.

LITTER CONTROL

Dead animals do not generally contribute to blowing litter. Active areas are limited; waste is covered shortly after deposition. In addition, access control fencing has been established along the perimeter of the facility. Any litter escaping the perimeter of the landfill will be periodically picked up by hand.

EXCLUSION OF HAZARDOUS WASTE

As a rural dead animal pit, the Garfield County facility is in a favorable position regarding exclusion of hazardous waste. Generally all waste will be delivered by local, known generators. The waste will be observed as it is deposited. During periods the landfill is open to the public, at least one percent of the vehicles and other suspicious loads will be directed to dispose of their dead animals near the working face in a manner that permits inspection prior to unloading. The waste generator will be detained while the load is inspected; if unacceptable hazardous substances are encountered, they will not be unloaded, and appropriate authorities will be contacted. Considering the population served, waste volumes generated, and complexity of the soled waste stream, these measures are considered to be adequate.

DISEASE VICTOR CONTROL

The waste accepted at a Class IV b landfill should not attract possible disease vectors. The primary method for disease vector control at the Garfield County Class IV b Landfill / Dead Animal Pit will be limiting wastes to those types approved by the permit and providing appropriate cover as needed. The cover will consist of a 6-inch minimum layer of earthen material or an alternate cover approved by the Secretary.

Rodents and other vermin will not be permitted to burrow in the active area of the landfill; and trapping or extinction methods will be implemented to protect the integrity of the disease vector control program.

ALTERNATIVE DISPOSAL

Alternative waste handling procedures for periods when the landfill is not in operation will be similar to procedures for fires and explosions. Waste will be diverted to alternate disposal sites. Alternate facilities may include other permitted Class IV b landfills in the area, the John's Valley Landfill, the Wayne County Landfill, the Long Valley Landfill or other future landfills. Procedures will continue in this manner until operations at the landfill can return to normal.

In the event of equipment breakdown that cannot be repaired in a reasonable time frame, equipment will be borrowed from contributing entities or leased from local distributors. It is the intent of owners and operators to have dedicated equipment at the landfill over a period of time.

TRAINING AND SAFETY PLAN

Garfield County has three employees who have completed Landfill Operator and the Waste Screening training courses provided by the Solid Waste Association of North America (SWANA) and have received training in identification and exclusion of hazardous wastes. Safety procedures will conform to OSHA guidelines; personnel will be encouraged to participate in additional landfill management, waste screening, safety, and first aid workshops.

RECYCLING

Recycling means extracting valuable materials from the waste stream and remanufacturing them into useable products. Technical recycling expertise is not available and reliable recycling markets do not exist for solid waste disposed at the Garfield Class IV b Landfill / Dead Animal Pit. No formal recycling or remanufacturing program is anticipated for this facility.

PRELIMINARY ENGINEERING REPORT

UNIT DESIGN

Designs complying with the requirements of R315-310-3 and depicting the boundaries of the landfill unit, borrow and fill areas have been included as Exhibits 6a-6c. Groundwater monitoring wells and landfill gas monitoring points are not required for Class IV b landfills and do not appear on the maps.

Current unit designs utilize trench style deposition. Trenches are excavated 2 to 6 ft. wide to the maximum depth capable of the excavation equipment (approximately 10 ft.). Future designs may incorporate above ground deposition with maximum fill heights of 12 ft. and side slopes of 4:1 or flatter.

RUN-ON / RUN-OFF CONTROL

Garfield County will control run on and run off resulting from the 25 year event from contacting solid waste and leaving the landfill. This will be accomplished through a series of best management practices including contouring, ditching, and installation of berms. Best management practices will be employed in a manner that prevents unanticipated surface waters from entering or leaving the facility. In addition to the items listed above natural topography and drainage features on adjacent roads will keep surface waters from entering the facility.

FACILITY LIFE

It is anticipated that facility life will coincide with the 10 year life of the permit. Approximately ½ of the available property has been used during the previous 10 to 15 years.

LOCATION STANDARDS

The Garfield County Dead Animal Pit is an existing facility that was previously authorized to accept dead animal. The facility complies with location standards as outlined in R315-305-4(d)(i).

BORROW SOURCES

All borrow for the Garfield County Dead Animal Pit will be obtained from inside the facility's property boundaries. Adequate material exists for daily and final covers. If, for some reason, adequate material becomes unavailable, the County will use other sources within its control.

RUN-OFF COLLECTION, TREATMENT AND DISPOSAL

There are no active collection, treatment or disposal systems planned for the Garfield County Dead Animal Pit. Best management practices will be employed to prevent the development of run-off.

CLOSURE / POST CLOSURE PLAN

CLOSURE SEASON AND YEAR

Closure operations at the Garfield County Class IV b Landfill / Dead Animal Pit will be performed on an ongoing basis. Adequate capacity exists at the landfill to continue operation for the life of the permit. A final closing date cannot be determined at this time. Ongoing closure operations will generally be performed from May through October, the normal frost free construction period, or as weather permits. No area larger than ¼ acre that has achieved final elevation will remain open longer than 6 months.

FINAL COVER

Closure operations will consist of leveling, contouring, placement of appropriate covers as necessary to reduce infiltration and preserve the integrity of the completed areas of the landfill. Areas of the landfill reaching final elevation will be closed within 6 months. Closure operations will include leveling and contouring using intermediate cover to reduce infiltration and ponding. Excess material may be stripped and utilized in other operations or left in place. After grading operations promoting drainage are complete, earthen material which increases the total cover depth to 2 feet will be installed. Upon completion of the covering operations, closed areas may be seeded. Any seed mixture shall be developed after consultation with local range specialists and verifying availability of local seed markets. Recently closed sections of the landfill will be evaluated as part of the quarterly inspection process and will be placed on post closure status.

SITE CAPACITY

Site capacity for the entire Garfield County Class IV b Landfill / Dead Animal Pit cannot be accurately estimated. Assuming an initial 2.5 acre parcel, waste volumes with depths of 8 feet can be estimated at 9,000 cubic yards or approximately 700 tons.

FINAL INSPECTION

The Garfield County Class IV b Landfill / Dead Animal Pit is anticipated to operate throughout the life of this permit. At least 60 days prior to any closure, the Division of Solid and Hazardous Waste will be contacted, and a final inspection will be scheduled. The Executive Secretary will be informed of the incremental closure of individual cells through routine state inspections, annual reports, and renewal applications. In addition, a QA /QC plan will be submitted for approval prior to any closure operations. Within 90 days of unit and / or facility closure, as built plans signed by a professional engineer shall be forwarded to the Executive Secretary.

Landfill owners and operators shall allow the Executive Secretary of the Utah Solid and Hazardous Waste Control Board or an authorized representative, including representatives from the Local District Health Department, upon representation of credentials, to enter during operation hours and / or inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under this permit.

A record of the inspection may be made by photographic, videotape, electronic or other reasonable means, and a copy of any such record shall be provided to the owner and the operator within a reasonable time.

LAND TRANSFERS AND USES

Plats and a statement of fact concerning the location of any disposal site shall be recorded as part of the record of title with the County Recorder not later than 60 days after certification of closure. Upon recording, proof of the record of filing will be submitted to the Executive Secretary.

POST CLOSURE MAINTENANCE

Post-closure care of inactive sections of the landfill will consist of maintaining the integrity of the final cover. Any areas subject to erosion will be corrected, and appropriate measures will be implemented to identify and eliminate the source. No active or technical devices are proposed for use at the Garfield County Class IV b Landfill / Dead Animal Pit. Best management practices will be implemented to minimize infiltration and assure the integrity of the run-on / run-off system. Evaluation of the system will be made during the quarterly inspections, and corrective measures, in any, will be implemented. Closed portions of the landfill will be inspected as part of the quarterly reviews performed by the landfill operator. Closed areas will also be inspected as part of the ;in-depth annual inspection. Any deficiencies will be repaired as soon as practical.

No alternate land use for closed sections has been developed to date. Closed cells will remain under the jurisdiction of Garfield County. If alternate land use plans are developed they will be addressed during the permit renewal process, or a separate permit modification may be processed.

RESPONSIBLE PARTIES

The applicant, property owner, and responsible party for the post closure care period is:

Garfield County
Garfield County Courthouse
55 South Main
P.O. Box 77
Panguitch, UT 84759
Phone: (435) 676-8826

It should be noted Garfield County is continually upgrading solid waste management services. Future agreements, potential special service district creation, the extended life of the landfill, and alternate ownership / operation scenarios may require modification of this section of the permit. In addition, the County may contract site operations with private entities. Garfield County will notify the Executive Secretary of any changes in responsible party status at least 30 days prior to their effective date. Other changes to the information listed above will be provided in annual reports and permit renewal documents.

FINANCIAL ASSURANCE PLAN

INTRODUCTION

This section of the permit describes compliance with Subsection R315-310(3)(i), Financial Assurance of the Administrative Rules for Solid Waste Permitting and Management. Cost estimates consider the most expensive option during the period and are based on a third party performing closure and post closure care.

MECHANISMS

The initial mechanism proposed for use at the Garfield County Class IV b Landfill / Dead Animal Pit is passage of the local government financial assurance test. If Garfield County is unable to pass the test, the County will establish a dedicated escrow/ capital improvement account. The account will be established with a financial institution acceptable to the Executive Secretary and the landfill owner. The Garfield County Class IV b Landfill / Dead Animal Pit may alter the mechanism to include insurance, surety bonds, trust funds, or other options as they become feasible with Executive Secretary approval.

COST ESTIMATES

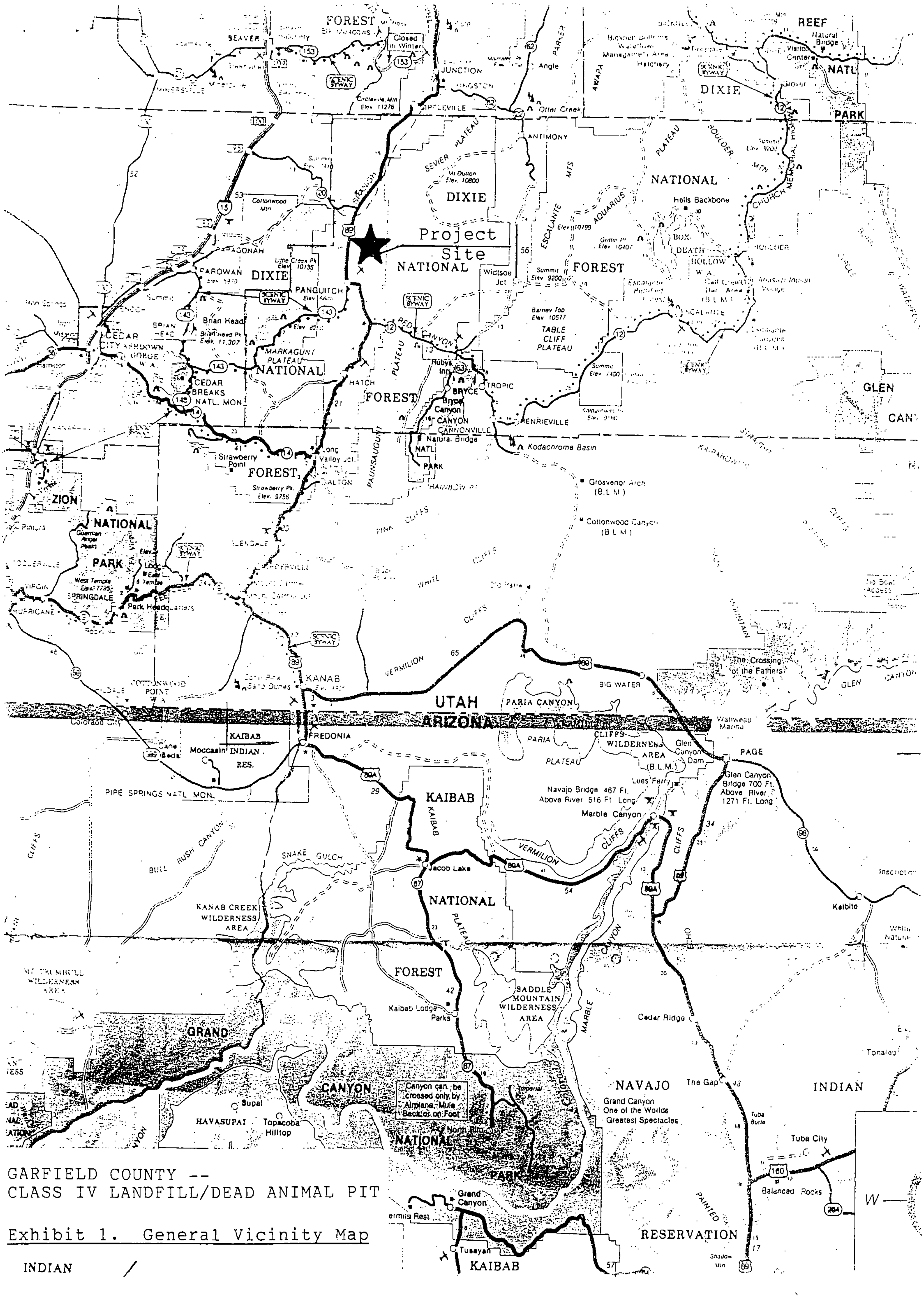
Cost estimates were developed considering the largest area of the disposal facility requiring final cover during the operating period and using projections for a third party to perform the work.

Closure costs considered a 600 sq. ft. nominal trench area covered with two feet of earthen material. Cost for the 44 cubic yards of material was estimated at $400.00.

Post closure costs considered 30 years of monitoring and reporting at an annual cost of $150.00. Total closure and post closure costs are calculated to be $4900.00.

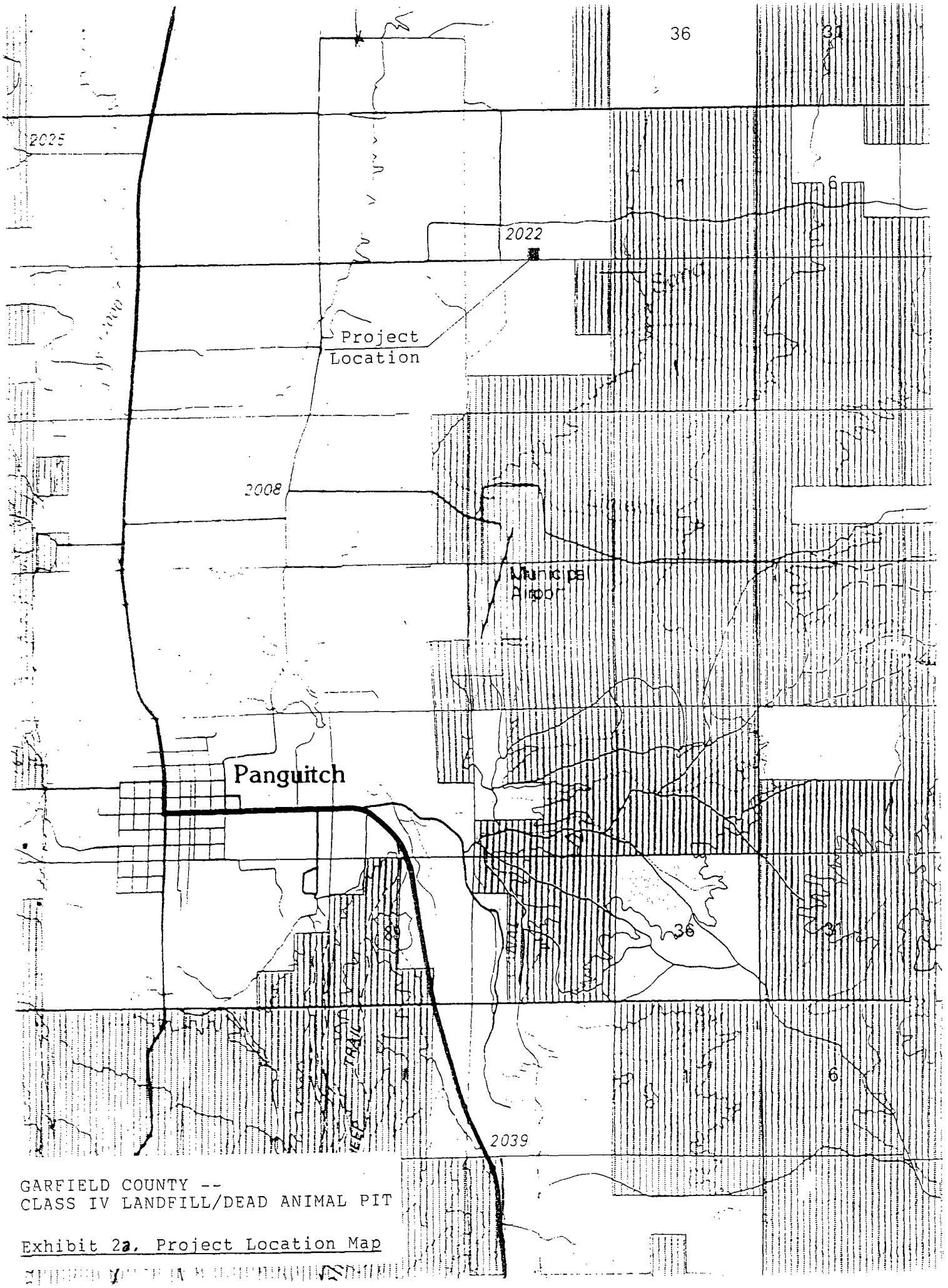
EXHIBITS

Exhibit #1	General Vicinity Map
Exhibit #2a	Location Map
Exhibit #2b	Deed
Exhibit #3	Service Area
Exhibit #4	Daily Record Form
Exhibit #5	Quarterly Inspection Log
Exhibit #6a-6c	Landfill Maps



GARFIELD COUNTY --
CLASS IV LANDFILL/DEAD ANIMAL PIT

Exhibit 1. General Vicinity Map



GARFIELD COUNTY --
CLASS IV LANDFILL/DEAD ANIMAL PIT

Exhibit 2a. Project Location Map

Space Above This Line for Recorder's Use

Warranty Deed

(Corporate Form)

SOUTH FORK OF THE SEVIER RIVER WATER USERS ASSOCIATION, a corporation organized and existing under the laws of the State of Utah, with its principal office at Panguitch, of County of Garfield, State of Utah, grantor, hereby conveys and warrants to

GARFIELD COUNTY

Grantee of P. O. Box 177 Panguitch, Utah 84759 for the sum of TEN AND NO/100---------- DOLLARS, the following described tract of land in Garfield County, State of Utah:

The Southwest quarter of the Southeast quarter of the Southwest quarter of the Southeast quarter of Section 2, Township 34 South, Range 5 West, Salt Lake Base and Meridian. Cont. 2.5 acres, more or less.

South Fork of the Sevier River Water Users Association may at its option repurchase the property for $1.00 prior to sale by Garfield County to any other entity.

The fencing will be maintained by Garfield County.

Garfield County will restore the property to a natural appearing state upon closure.

The officers who sign this deed hereby certify that this deed and the transfer represented thereby was duly authorized under a resolution duly adopted by the board of directors of the grantor at a lawful meeting duly held and attended by a quorum.

In witness whereof, the grantor has caused its corporate name and seal to be hereunto affixed by its duly authorized officers this 2nd day of August A. D., 1996,

Attest:

James D. Perkins, Jr. Secretary.
(Corporate Seal)

SOUTH FORK OF THE SEVIER RIVER WATER USERS ASSOCIATION
By Sheldon Proctor
Sheldon Proctor President.

STATE OF UTAH,
County of Garfield } ss.

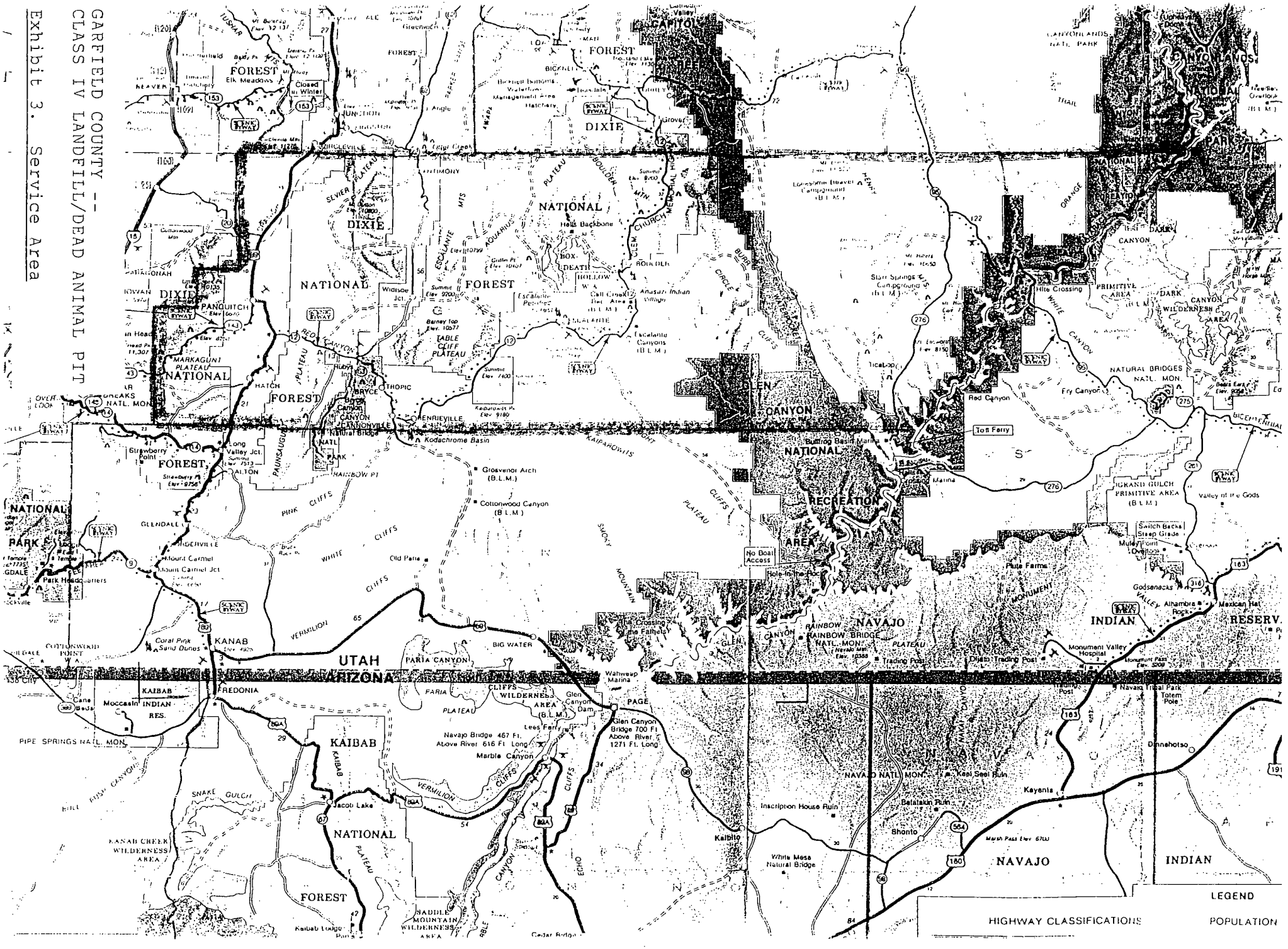
On the 2nd day of August, A.D. 1996 personally appeared before me Sheldon Proctor and James D. Perkins, Jr. who being by me duly sworn did say, each for himself, that he, the said Sheldon Proctor is the president, and he, the said James D. Perkins, Jr., is the secretary of South Fork of the Sevier River Water Users Assn., and that the within and foregoing instrument was signed in behalf of said corporation by authority of a resolution of its board of directors and said Sheldon Proctor and James D. Perkins, Jr. each duly acknowledged to me that said corporation executed the same and that the seal affixed is the seal of said corporation.

Jeannie W. Henrie
Notary Public.

JEANNIE W. HENRIE
NOTARY PUBLIC • STATE of UTAH
66 SOUTH 200 WEST
PANGUITCH, UT 84759
COMM. EXP. 5-18-98

GARFIELD COUNTY --
CLASS IV LANDFILL/DEAD ANIMAL PIT

Exhibit 3. Service Area



GARFIELD COUNTY CLASS IV b LANDFILL / DEAD ANIMAL PIT
DISPOSAL RECORD

Date	Time	Animals Present	Action Taken	Haz. / PCB Waste- Y/N	Signature

Signature:_____ Date:_____

GARFIELD COUNTY CLASS IV b LANDFILL / DEAD ANIMAL PIT
Exhibit 4 – Daily Record Form / Disposal Record

Garfield County Class IV b Landfill / Dead Animal Pit Quarterly Inspection Log

Date: _____ Time: _____ Weather: _____

Inspection Team: _____

Observations: _____

Date and Nature of Corrective Action: _____

Other: _____

Training Procedures Completed: _____

Major Deviations from Plan of Operation: _____

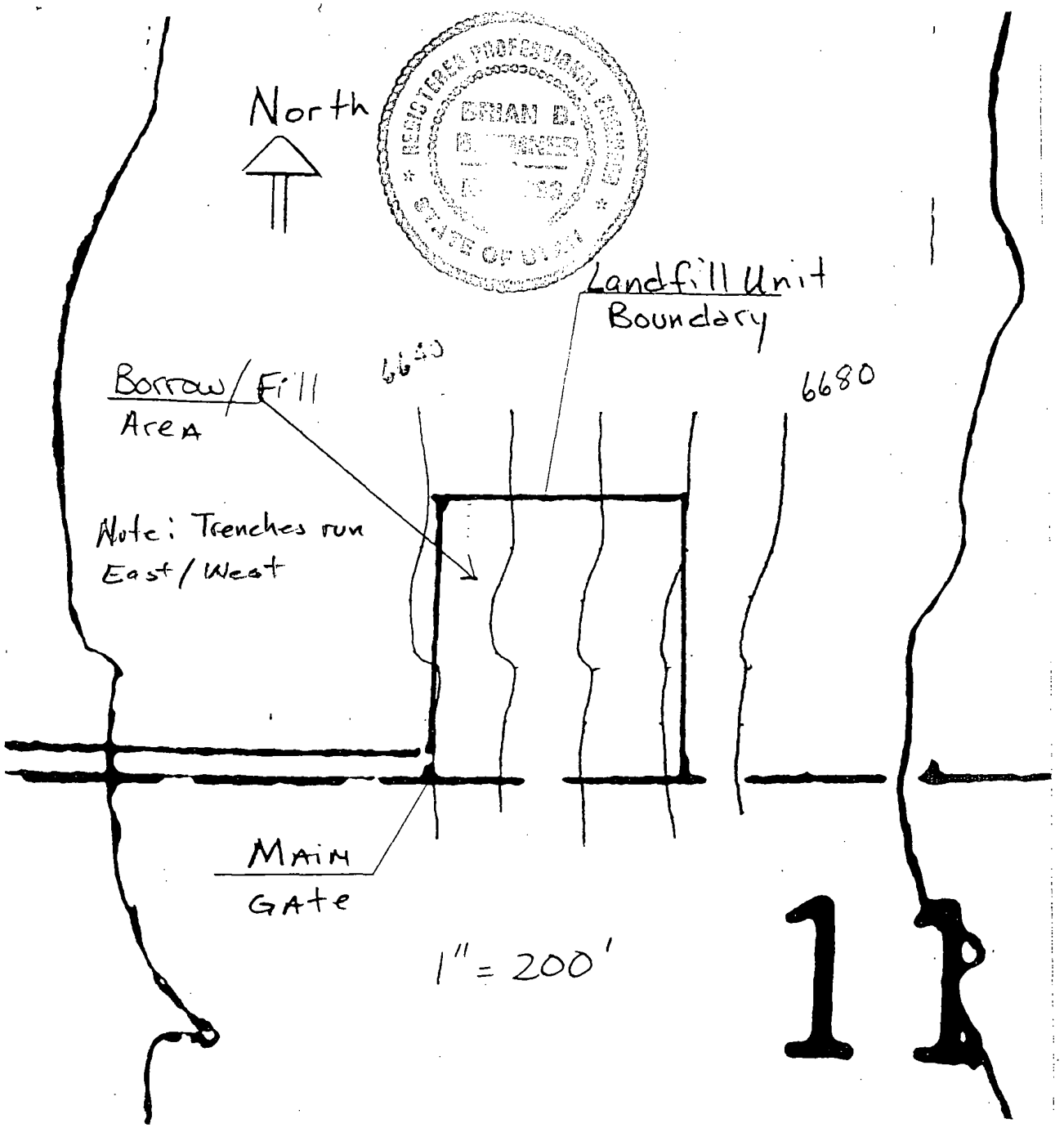
_____ _____

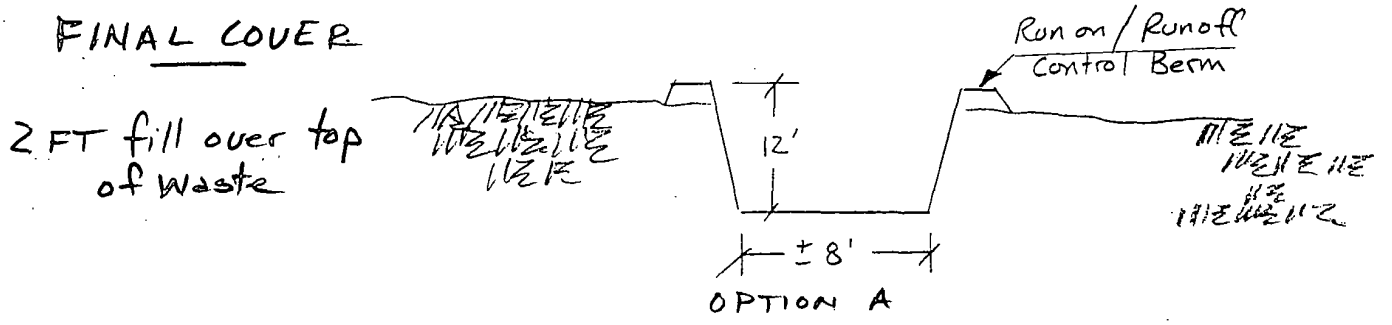
Name of Inspector Signature

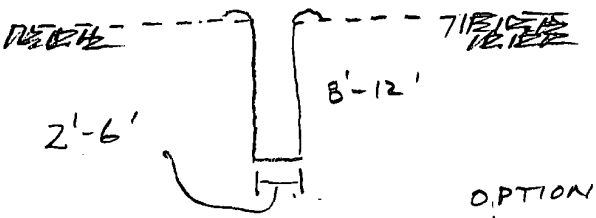
This form shall be kept on site (or at the County Courthouse if no permanent office facilities exist) for a minimum of 3 years.

GARFIELD COUNTY CLASS IV b LANDFILL / DEAD ANIMAL PIT

Exhibit 5 – Quarterly Inspection Log

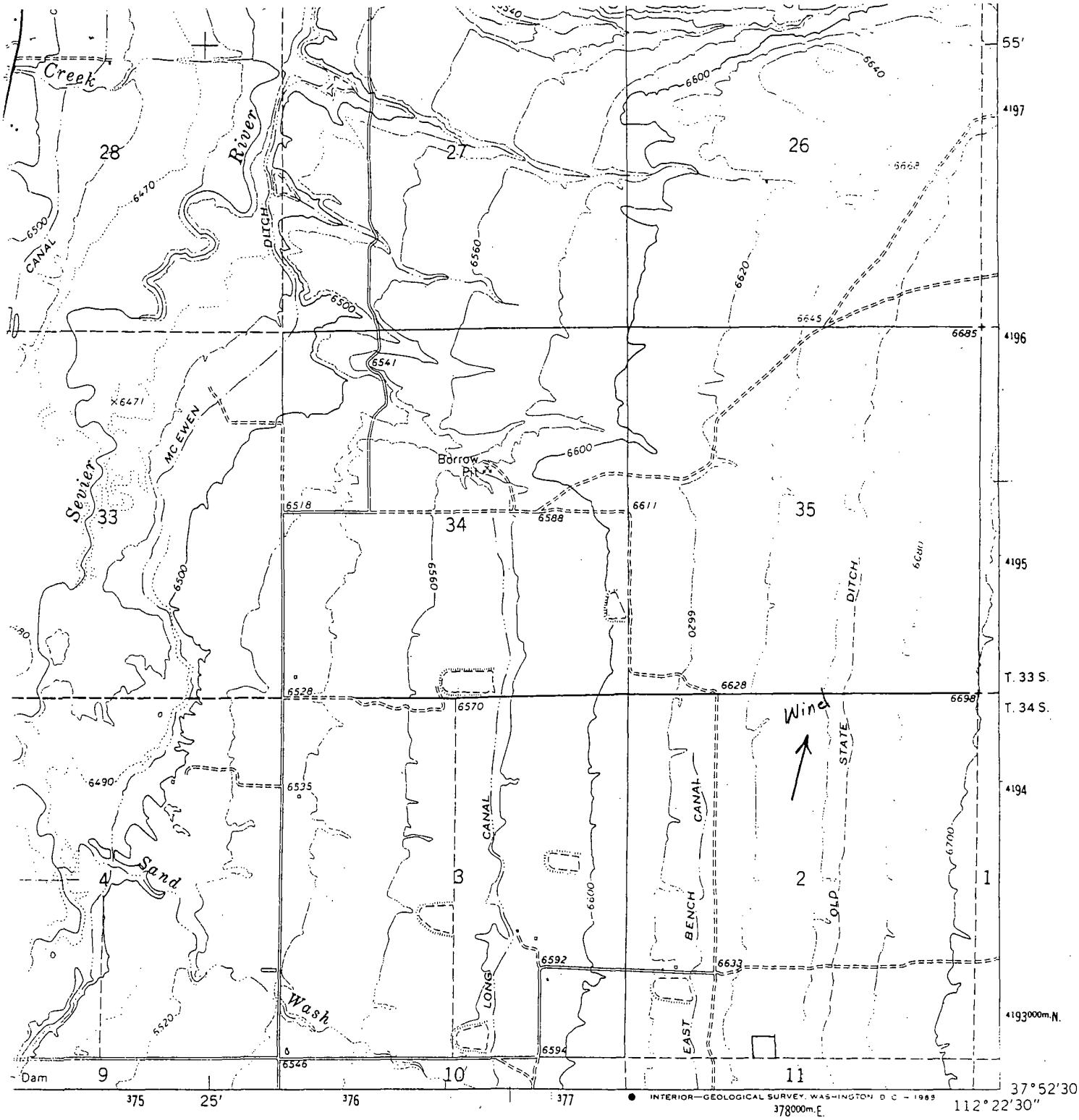






GARFIELD COUNTY --
CLASS IV LANDFILL/DEAD ANIMAL PIT

Exhibit 6a. Landfill Map



1 MILE

00 7000 FEET

1 KILOMETER

ROAD CLASSIFICATION

Heavy-duty ——— Light-duty - - - -

Medium-duty ——— Unimproved dirt - - - -

U. S. Route State Route

UTAH

GARFIELD COUNTY --
CLASS IV LANDFILL/DEAD ANIMAL PIT

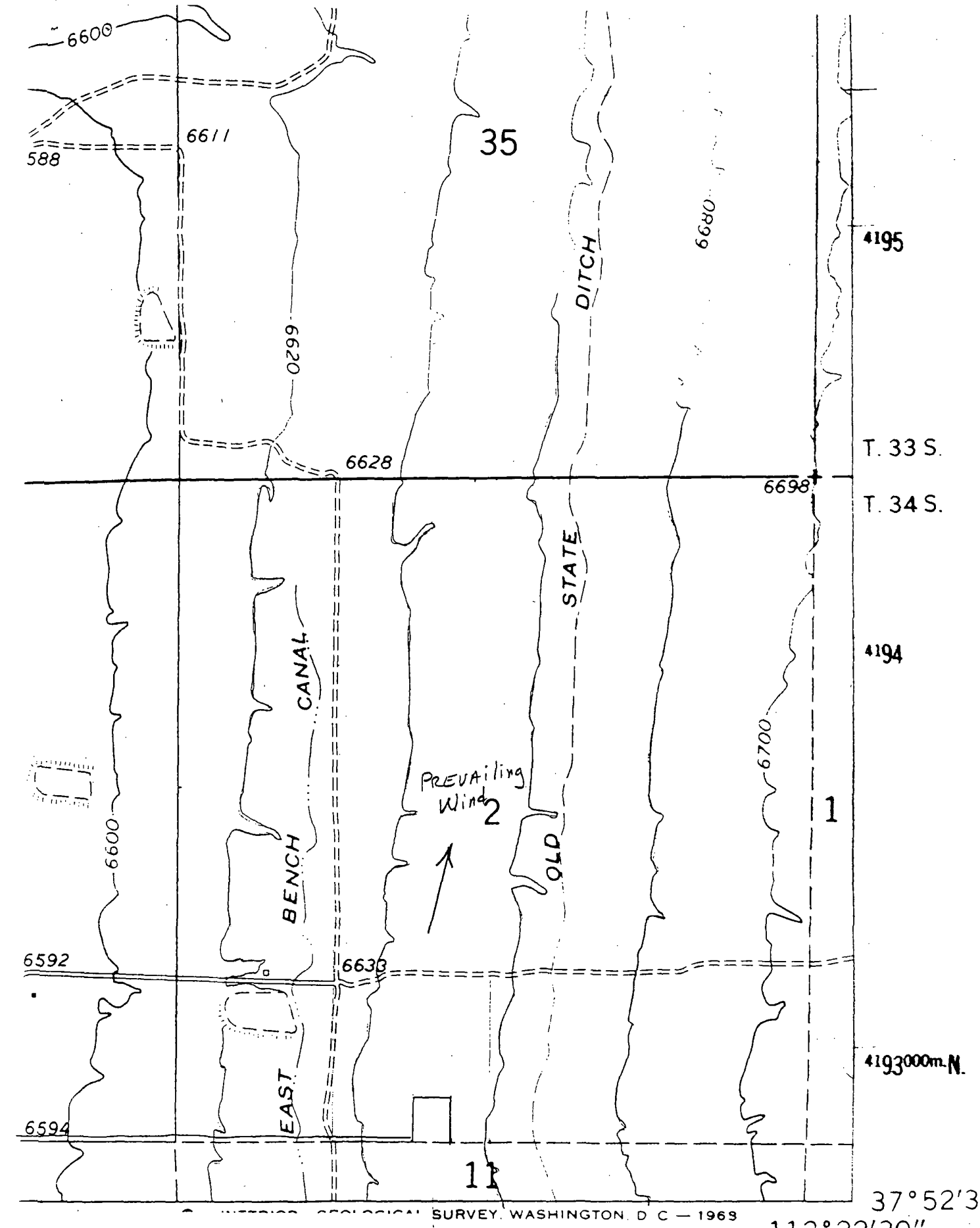
ON

PANGUITCH NW, UTAH
N3752.5—W11222.5/7.5

1966

AMS 3559 IV NW—SERIES V897

Exhibit 6b. Landfill Map



SURVEY. WASHINGTON. D C — 1969

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CLASS IV LANDFILL/DEAD ANIMAL PIT

Exhibit 6c. Landfill Map

CLASSIFICATION