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UTAH DIVISION OF
SOLID & HAZARDOUS WASTE

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: 9613R1

III. Facility Name and Location

Legal Name of Facility: Boulder Town Class IV Landfill

Site Address (street or directions to site): Highway 12 between mile markers 84 and 85

County: Garfield

City: Boulder | State: UT | Zip Code: 84716 | Telephone: 435 335-7300

Township: 34S | Range: 4E | Section(s): 3, Lot 6 | Quarter/Quarter Section: | Quarter Section: NE

Main Gate Latitude: degrees 37 minutes 53 seconds 22 | Longitude: degrees 111 minutes 26 seconds 41

IV. Facility Owner(s) Information

Legal Name of Facility Owner: Boulder Town

Address (mailing): PO Box 1329

City: Boulder | State: UT | Zip Code: 84716 | Telephone: 435 335-7300

V. Facility Operator(s) Information

Legal Name of Facility Operator: Boulder Town

Address (mailing): PO Box 1329

City: Boulder | State: UT | Zip Code: 84716 | Telephone: 435 335-7300

VI. Property Owner(s) Information

Legal Name of Property Owner: Boulder Town

Address (mailing): PO Box 1329

City: Boulder | State: UT | Zip Code: 84716 | Telephone: 435 335-7300

VII. Contact Information

Owner Contact: Bill Muse | Title: Mayor

Address (mailing): PO Box 1329

City: Boulder | State: UT | Zip Code: 84716 | Telephone: 435 335-7300 (or7341)

Email Address: boulderutah@scinternet.net | Alternative Telephone (cell or other): none

Operator Contact: Donna Wilson | Title: Landfill Attendant

Address (mailing): PO Box 1329

City: Boulder | State: UT | Zip Code: 84716 | Telephone: 435 335-7300 (or 7329)

Email Address: boulderutah@scinternet.net | Alternative Telephone (cell or other): none

Property Owner Contact: Bill Muse | Title: Mayor

Address (mailing): PO Box 1329

City: Boulder | State: UT | Zip Code: 84716 | Telephone: 435 335-7300

Email Address: boulderutah@scinternet.net | Alternative Telephone (cell or other): None

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	9.27	acres
Disposal Area	9.27	acres
Design Capacity		
Years	20	
Cubic Yards	263,000	
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: Bill Muse	Title: Mayor	Date: September 22, 2008
Name typed or printed: Bill Muse	Address: PO Box 1329 Boulder, UT 84716	
Signature of Authorized Land Owner Representative (if applicable): N/A	Title:	Date:
Name typed or printed:	Address:	
Signature of Authorized Operator Representative (if applicable): N/A	Title:	Date:
Name typed or printed:	Address:	

PART II - GENERAL REPORT

INTRODUCTION

GENERAL DESCRIPTION

The Boulder Class IV Landfill is a natural attenuation facility designed to fulfill the current and future inert solid waste disposal needs of the Boulder area. The facility encompasses a total of 9.27 acres and contemplates service to Boulder and unincorporated areas in the immediate vicinity. Exhibit 1 is a general vicinity map depicting the site. Annual average waste volumes are estimated at less than 5 tons per day, and precipitation is less than 15 inches per year. Facility plans are included in other sections of this document; construction specifications may be forwarded under separate cover.

LEGAL DESCRIPTION

The site is legally described as: Lot 6, Section 3, Tract 34 South, Range 4 East, Salt Lake Base and Meridian, containing 9.27 acres. A project location map (Exhibit 2), a patent of the property (Exhibit 3a), and a plat of the property (Exhibit 3b) further describe the location.

The facility's main gate is located on State Highway 12 (111 26'41" longitude and 37 53'22" latitude). Lands adjacent to the facility are considered multiple use lands controlled by the Bureau of Land Management (BLM). The closest private land exists approximately 1/4 mile north and east of the site.

Garfield County's zoning ordinances apply in the vicinity of the Class IV landfill. A conditional use permit has been obtained from the County; future zoning policies and ordinances will be complied with by the Boulder Class IV Landfill as they are adopted. Exhibit 4 shows the land use and zoning classification for the Boulder Class IV Landfill and surrounding area.

WASTE TYPES/AREA TO BE SERVED

Waste accepted by the Boulder Class IV Landfill will be comprised of inert waste, construction/demolition waste, yard waste, dead animals, tires or tire-derived material, and other waste approved by the Executive Secretary. The facility will not accept containerized liquids in larger than five gallon containers, bulk liquids, and sludges containing free liquids. The facility will temporarily store recyclable materials prior to transportation to regional facilities.

Special waste shall only be accepted and handled in accordance with Administrative Rule R315-315 and subject to the conditions of this permit. Dead animals are the only special waste authorized for permanent disposal at the Boulder Class IV Landfill. Dead animals received at the facility shall be deposited in a separate disposal trench and 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.

Bulky wastes such as car bodies, furniture, and appliances will be stored in a separate area of the landfill for future disposal at a permitted Class I, II, or V Landfill or for recycling. At least annually, these items will be removed from the Boulder Class IV Landfill for disposal or recycling. Currently, local scrap dealers are willing to accept such waste if assistance can be provided in loading the material. Other special wastes identified in the regulations will not be accepted at the facility unless specifically authorized by the Executive Secretary.

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 being permitted in other areas of the County, it is anticipated the service area will be practically limited to residents in the Boulder area. Exhibit 5 illustrates the service area for the Boulder Class IV Landfill.

NON-COMMERCIAL STATUS

Boulder Town operates the landfill as a service to the community. The town has an employee who is present whenever the landfill is open. The employee is paid from town general funds; however, if she is required to open the landfill at hours other than those regularly scheduled, a fee is charged to cover her extra time. The fees charged do not represent a profit.

ANTICIPATED DAILY VOLUME

The Boulder Landfill is open one day a week. Based on past volumes of approximately 40 tons per year, the average daily volume is expected to be one-tenth of a ton per day, or slightly more than 3/4 of a ton per week. The population of the Boulder area is fairly stable, and an increase in the volume of waste accepted is not anticipated.

PLAN OF OPERATION

SCHEDULE OF CONSTRUCTION

The Boulder Class IV Landfill is capable of meeting inert solid waste disposal needs for the Boulder area for at least 20 years. In the 9 ½ years the landfill has been in operation, less than 1/2 acre has been filled with construction/demolition waste. As each cell has attained its final elevation, a new one has been prepared. This practice will continue. Exhibit 7a shows the proposed location of future cells.

ON-SITE WASTE HANDLING PROCEDURES

One of the purposes of the Boulder Class IV landfill is to expand integrated solid waste management techniques near Boulder. The facility is separated into various disposal areas including:

1. Yard Wastes
2. Construction/Demolition Wastes
3. Dead Animals
4. Recyclable Metals
5. Other Categories as Need and Markets Develop

Yard wastes are vegetative matter resulting from landscaping, land maintenance, and land clearing operations including grass clippings, prunings, and other discarded material generated from yards, gardens, parks, farms, and similar types of facilities. This type of waste does not include garbage, paper, plastics, sludge, septage, or manure.

Yard wastes brought to the landfill are placed in the designated area, separated by type (chippable tree limbs and bushes, grass clippings, and trees, trunks and stumps). The material is held until it can be burned, chipped or placed at the working face of the landfill. All burning is done in accordance with Utah State Law and under the direction of the Town Fire Chief and only during the periods of March 30 through May 30 and September 15 through October 30. No trash, rubbish, tires, or oil is used to start the fires. Open burning is prohibited at the landfill, so yard wastes must be separated from the working area prior to burning. Separation may occur through the use of berms, trenches, roads, buffer zones, pits or appropriate fences. Trees, trunks, and stumps may be cut and used for heating fuel, slope protection, barriers, or in other approved projects. Grass clippings and chipped material may be distributed for landscaping projects, soil amendments, or other appropriate uses, including cover in other areas of the facility. Yard wastes which are not used or disposed of within one year will be transferred to the construction/demolition area for final disposal.

Construction/demolition material, including fencing designated for disposal, is brought to the working face where it is dumped and spread. Large timbers and recyclable lumber may be separated and held for reuse. This waste is covered as needed for protection against fire hazard, blowing litter, odors, and the propagation and harborage of rodents and insects. The cover material is comprised of six (6) inches of earthen material. No fires are permitted within this area of the landfill.

Dead animals are handled in accordance with administrative Rule 315-315-6. Dead animals received at the facility are deposited in a separate disposal trench. All dead animals are covered daily with a minimum of six (6) inches of earth to prevent odors and the propagation and harborage of rodents and insects. When the situation arises that dead animals must be delivered to the facility during closed periods, generators are required to arrange for a landfill operator to be present during disposal. Permission for entry may be granted after pertinent information, including date, name of generator, number and type of animals disposed, is provided. Animals

delivered to the landfill under this scenario will be covered with six (6) inches of earthen material no later than 24 hours after deposition.

Bulky wastes including large appliances, furniture, car bodies and recyclable metals are stored at the facility temporarily while a sufficient volume is being collected for transportation to a recycling facility or end user. These materials are stored in a neat and tidy manner and in an area designated for such purposes. Bulky wastes are stored for up to one year and then transported to a facility permitted for final disposal of these materials. Batteries and fluids are removed from car bodies prior to acceptance at the landfill.

Tires and tire-derived material are received and treated as construction/demolition waste until such time that the hauling to a recycling facility becomes feasible. No more than four (4) whole tires are accepted at one time from any generator as provided in Section 315-320-3 of the Rules. Some funding is available for hauling waste tires to a recycle and storage in a separate facility through Utah's waste tire recycling act.

Equipment used at the facility consists primarily of a grader, a dump truck, a bulldozer, and a backhoe hired by Boulder Town. When additional equipment is needed, it is hired by Boulder Town. Chippers and other processing equipment will be acquired as funds and needs dictate.

INSPECTIONS AND MONITORING

At least one employee is on site to perform inspection and monitoring functions during all times the facility is open to the public. Inspection and monitoring at the Boulder Class IV Landfill is conducted in two components: (1) routine and (2) compliance. Routine inspections are conducted on each incoming load of material as it enters the facility and is deposited to prohibit receipt of unacceptable wastes. In addition, random checks are made during deposition, spreading, and covering operations to insure protection of the environment and absence of nuisances. Waste screening inspections are made by trained personnel; operational inspection is made by supervisory landfill personnel.

Compliance inspections are 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 quarterly inspection includes a review to verify compliance with all permit conditions and state and federal regulations.

FIRE/EXPLOSION CONTINGENCY PLAN

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

Landfill fires and explosions are difficult to control and require different techniques than many incidents handled by local volunteer fire departments. For this reason fires and/or explosions at the Boulder Class IV Landfill will be managed by landfill personnel. However, local fire departments will respond to provide assistance if requested by the landfill manager. The outline for procedures to follow in case of fire or explosion is:

1. Secure affected area
2. Divert incoming waste
3. Isolate fire/explosion
4. Suppress incident if possible
5. Request additional assistance if needed
6. Report and record necessary information

CORRECTIVE ACTION FOR CONTAMINATED GROUNDWATER

This section describes corrective actions to be taken by owners and operators of the Boulder Class IV Landfill to regain compliance with protection levels of the permit in the event releases are discovered and acceptable concentration limits for groundwater are exceeded.

No monitoring wells are proposed for the Boulder Class IV Landfill. However, if the concentrations of parameters in down gradient wells exceed the acceptable concentration limits as substantiated by confirmatory analyses, owners and operators of the Boulder Class IV Landfill will implement a corrective action program as outlined in R315-308.

CONTINGENCY PLAN FOR OTHER RELEASES

This section describes corrective actions to be taken by the Boulder Class IV Landfill to regain compliance with the protection levels of the permit in the event releases are discovered and acceptable concentration limits are exceeded.

When the concentration of parameters exceed acceptable limits as substantiated by confirmatory analyses, owners and operators of the Boulder Class IV Landfill will implement a corrective action program approved by the Executive Secretary.

PLAN TO CONTROL FUGITIVE DUST

Appropriate measures to prevent and control fugitive dust generated from roads, construction, general operations, and covering the waste are employed when weather conditions or climate indicate that transport of dust off-site is liable to create a nuisance. Preventive measures include watering access roads and covering wastes with soil.

PLAN TO CONTROL AND COLLECT LITTER

Because of the nature of waste deposited at the Boulder Landfill (e.g. yard waste, construction/demolition materials, large appliances, etc., for storage), wind-blown litter is not a significant problem. Household waste is not accepted; therefore, lighter materials such as paper are not found at the landfill. The landfill attendant monitors the depositing of waste and collects scattered litter as needed.

EXCLUSION OF HAZARDOUS WASTE

As a rural Class IV landfill, the Boulder facility is in a favorable position regarding exclusion of hazardous waste. Generally, all waste is delivered by local, known generators, and the waste is 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 are directed to dispose of their material near the working face in a manner that permits inspection prior to unloading. The waste generator is 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 solid waste stream, these measures are considered to be adequate.

A section documenting the results of the formal inspections outlined above has been included as part of the daily record forms (Exhibits 6a and 6b). Including hazardous/PCB waste records on the daily record forms will allow landfill managers to incorporate inspections into their daily routine and will permit regulators to review inspection patterns efficiently while examining waste volumes.

DISEASE VECTOR CONTROL

The waste accepted at a Class IV landfill should not attract possible disease vector animals. The primary method for disease vector control at the Boulder Class IV Landfill is limiting wastes to those types approved by the permit and providing an appropriate cover as needed to prevent fires. The cover will consist of a six-inch minimum layer of earthen material over dead animals or an alternate cover approved by the Executive Secretary.

Rodents and other vermin are not 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 WASTE HANDLING

Alternative waste handling procedures for periods when the landfill is not able to dispose of solid waste 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 landfills in the area, the John's Valley Landfill, the Wayne County Landfill, the Sevier County 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 hired from local distributors. It is the intent of owners and operators to have dedicated equipment at the landfill over a period of time and to acquire appropriate backup equipment.

TRAINING AND SAFETY PLAN

Each manager and employee is required to read the landfill application and permit prior to assuming duties related to landfill operation. Safety procedures will conform to OSHA guidelines, and personnel will be encouraged to participate in additional landfill management, waste screening, safety, and first aid workshops.

RECYCLING PROGRAM

Household waste is not accepted at the Boulder Landfill; therefore, no recycling programs are planned. While the population of Boulder values recycling, our distance from such markets does not make such programs feasible.

REQUIREMENTS OF RULE R315-305

Most of the requirements of Rule 315-305 are discussed in other parts of this application. Those that are not are as follows:

Prevent run-on from a 25-year storm

Boulder Town will control the 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. Each cell will be surrounded with berm-style stockpiling of excess excavated material. The berms will vary in height and will prevent unanticipated flow of surface waters into the active areas of the facility.

In addition to the berms, additional measures including ditches and contouring will be implemented to direct surface drainage to desired areas.

Signs

A sign as required by Rule 315-303-3(7)(d) is attached to the entrance gate of the Boulder Town

Class IV Landfill.

Maintenance of Applicable Records

All records of the landfill operation will be maintained in the offices of Boulder Town. Records will consist of the following:

1. Daily record forms showing waste received.
2. Daily record forms showing inspections for hazardous and PCB wastes.
3. Deviations from approved Plan of Operation.
4. Training and notification procedures.
5. Quarterly inspection log by landfill operator. (Exhibit 6c)
6. Cost estimates and financial assurance documentation.
7. Annual reports.
8. Closure and post-closure care plans.

Recording with County Recorder

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. Proof of the record of title filing shall be submitted to the Executive Secretary. Records and plans specifying solid waste amounts, location and periods of operation may be kept and may be available for public inspection.

Acceptable Waste Types

The Boulder Class IV Landfill will not accept for disposal any other form of waste except construction/demolition waste, yard waste, inert waste, dead animals, tires or tire-derived materials. Recyclable metals and other commodities may be temporarily stored in designated areas of the facility until they can be transported to an authorized recycling/disposal facility.

Access Control

Owners and operators of the Boulder Class IV Landfill will employ measures to prevent the disposal of unauthorized waste by insuring that at least one person is on site during hours of operation. Unauthorized access and disposal during closed periods will be prevented by controlling entry. Locked gates, fences, natural barriers, berms, and other methods will be employed to insure access to the facility is controlled. The on-site employee will be responsible to collect scattered litter as necessary.

PART III - TECHNICAL REPORT

MAPS

A map complying with the requirements of R315-310-4(2)(a)(i) and depicting the boundaries of the landfill unit and borrow and fill areas has been included as Exhibit 7. Groundwater monitoring wells and landfill gas monitoring points are not required for Class IV landfills and do not appear on the map. Run-on/run-off control structures are not shown and are discussed in the section entitled "Engineering Report."

A topographic map (Exhibit 8) complying with the requirements of R315-310-4(2)(a)(ii) is included with this submittal. The waste facility boundary and the property boundary are the same. There are no structures within 1/4 mile of the site, but there is an overhead power line approximately 1/4 mile east of the property boundary.

ENGINEERING REPORT - PLANS, SPECIFICATIONS, AND CALCULATIONS

DESIGN, METHODS, AND FINAL COVER

A general description of the Boulder Class IV Landfill is included in Section II. The landfill uses trench-style cells, with sizes varying according to need. The largest consists of 40-ft. bottom width, 4:1 side slopes, and 30-ft. depth. As each cell is filled, wastes are leveled to the extent practicable, filling any voids posing a physical hazard. Wastes are covered with soil to a minimum total depth of two feet, including six inches of topsoil, although an alternate cover system may be implemented, if it can be demonstrated it meets applicable standards. A drawing of the facility plans is included as Exhibit 7.

RUN-ON AND RUN-OFF CONTROL SYSTEMS

No technical devices are in place to control run-on and run-off systems at the Boulder Class IV Landfill. Best management practices are being implemented to minimize infiltration and assure the integrity of the run-on/run-off system. Run-on and run-off from events smaller than the 25-year storm are controlled.

Run-on control consists of a perimeter diversion dike constructed along the edges of the active area and utilizes natural topography to intercept any surface waters and channelize potential run-on away from areas containing waste. Inside the dikes, contouring which contains precipitation provides additional assurance against potential surface water impacts. The dike is constructed of native materials and has a minimum base width of four feet and a minimum height of one foot. Additional control berms may also be constructed on the edge of the construction/demolition area to separate yard waste areas.

Run-off is controlled by containing accumulated precipitation within the active area. During the active life of a cell, run-on dikes also serve as run-off control berms. Contouring has been performed to channelize surface waters to appropriate areas for dissipation. After closure, final cover will be graded to promote drainage and surface flows will not be permitted to contact waste. Considering the extremely limited precipitation, native soil characteristics, and the inert

nature of acceptable wastes, run-on/run-off control features for the facility are more than adequate.

CLOSURE PLAN

CLOSURE SCHEDULE

Closure operations at the Boulder Class IV Landfill will be performed on an ongoing basis. Adequate capacity exists at the landfill to continue operation for many years. 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. An area that has achieved final elevation will be closed to further use. The Town will notify the Executive Secretary no later than 60 days prior to the closing of an area when possible. The Town will begin implementation of the Closure Plan within 30 days following the closing of an area and will complete the Closure Plan within 180 days. Within 90 days of completing a disposal unit closure, the Town will submit to the Executive Secretary as-built drawings and certification that the closure plan was followed. The as-built drawings and certification do not have to be submitted or signed by a professional engineer.

DESIGN OF FINAL COVER

Closure operations will consist of leveling, contouring, placement of appropriate covers and seeding 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. Closure operations will include leveling and contouring using intermediate cover to reduce infiltration and ponding. The final cover slope will be no less than 2% and no more than 33%. Where possible, the final cover slope will be at least 10% in order to compensate for the potential for settling. 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 two feet including six inches of material capable of supporting vegetative growth will be installed. Upon completion of the covering operations, closed areas will be seeded. The seed mixture shall be developed after consultation with local range specialists and verifying availability of local seed markets. Seeding operations will be conducted whenever five or six new cells have been closed. 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 Boulder Class IV Landfill cannot be accurately estimated. Assuming the initial 9-acre parcel, trench style operation (40-ft. bottom width, 4:1 side slopes, 30-ft. depth), three 8.5-foot lifts of waste with 1.5-foot intermediate cover, and an average density of 900 lbs. per cubic yard, original waste volumes can be estimated at 264,000 cubic yards or 118,800 tons.

At this time, remaining capacity is approximately 263,000 cubic yards.

FINAL INSPECTION

The Executive Secretary of the Utah Solid and Hazardous Waste Control Board or any duly authorized officer, employee or representative of the Board or an authorized representative from the local District Health Department may, at any reasonable time the facility is open and upon presentation of acceptable credentials, enter the facility for inspection purposes. All sampling, monitoring, and testing records, including photographic, video, and electronic data, and all data, communications, and results of the inspection will be available. An inspection report will contain a list of any deficiencies and recommended actions. The inspector may also discuss problems and make preliminary recommendations prior to leaving the facility. At the time of final closure of the facility, a final inspection will be performed by appropriate regulatory agencies.

POST-CLOSURE CARE PLAN

CHANGES IN TITLE, LAND USE AND ZONING

Not less than 60 days after certification of closure, Boulder Town shall submit plats and a statement of fact concerning the location of this disposal site to the Garfield County Recorder to be recorded as part of the record of title. The Town shall then submit proof of record of title filing to the Executive Secretary.

MAINTENANCE OF COVER AND RUN/ON-RUN/OFF

As each area of the landfill reaches final elevation, it will be covered within two months as described previously in the section entitled "Design of Final Cover." It will be graded to promote drainage, and the surface shall be free from ponding and shall minimize infiltration. Post-closure care of inactive sections of the landfill will consist of maintaining the integrity of the final and vegetative covers. Any areas subject to erosion will also be corrected, and appropriate measures will be implemented to identify and eliminate the source.

During the 30-year post-closure period, semi-annual inspection of the landfill will be conducted.

POST-CLOSURE CONTACT PERSON

Because Boulder Town is administered by elected officials, the name of the person in any one position will change over the years. Therefore, the contact person will be listed by position:

Mayor
Boulder Town
PO Box 1329
Boulder, Utah 84716
Telephone number - (435) 335-7300

FINANCIAL ASSURANCE

CLOSURE COSTS
AMENDED

Cost estimates were developed considering the maximum amount of earthen material required to fill the three active pits. The combined material would be approximately 1900 cubic yards which is maintained adjacent to each pit location. Final coverage would consist of pushing this material into the adjacent pit. Following coverage, an area of approximately 700 square yards would have to be revegetated. Using projections of a third party to perform the work, it is estimated that the cost to complete this project would be less than $2,000.00 allowing for contingencies. Closure costs also include removal of stored material. While stored material is currently removed by the County at no charge, it is possible that a third party would need to be hired to remove this material. Based on the estimate provided by the County Engineer of 7 loads @$400/load, it is estimated that the cost for removal would be $2800. Estimated costs are described below:

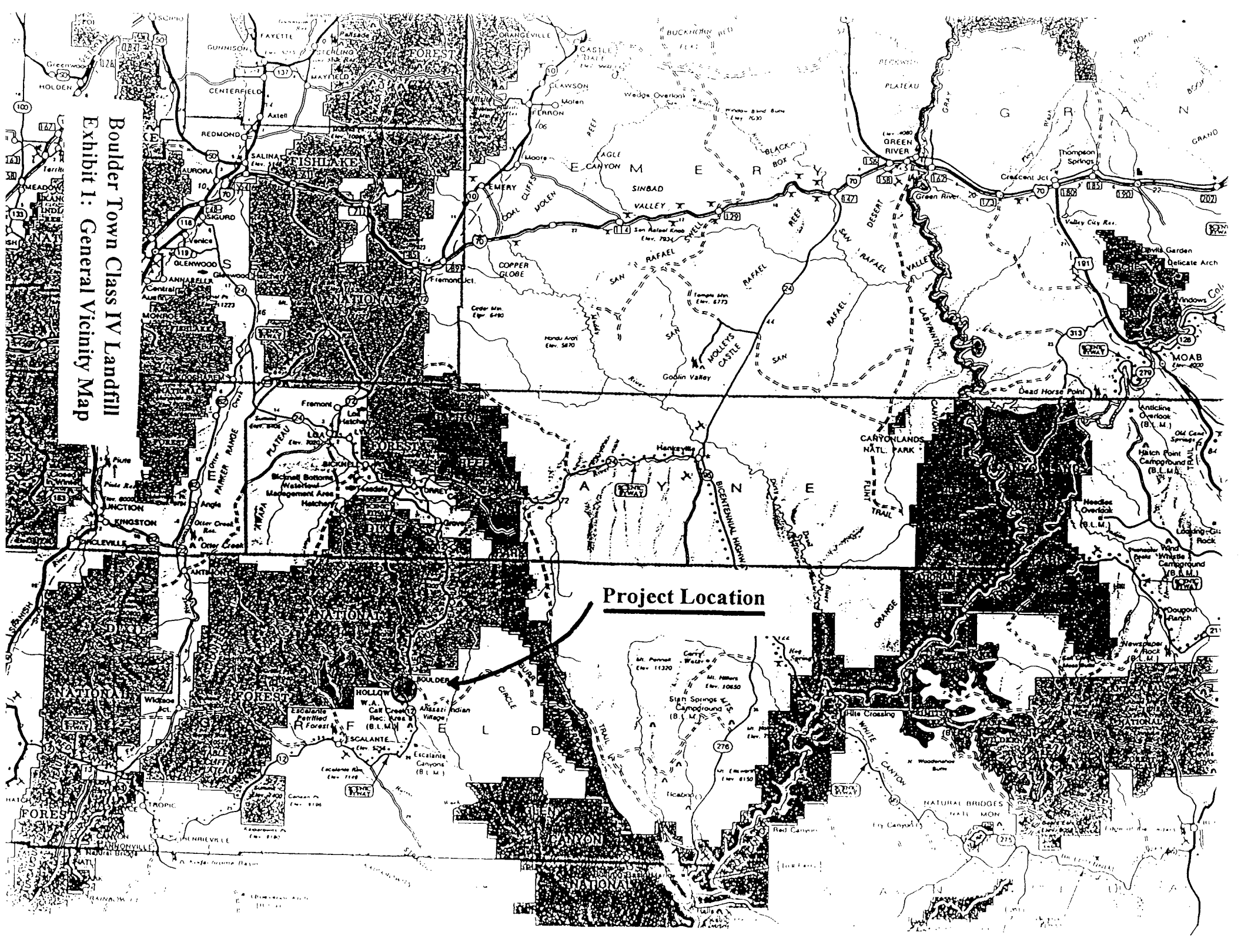
Fill open pits (4 hours @ $80/hour)	$ 320.00
Cover area with appropriate material:	
Material cost (165 cu. yds.)	$ 200.00
Load material (5 hours @ $65/hour)	325.00
Haul 165 yards (12 hours @ $80 hour)	960.00
Spread material (4 hours @ $100/hour)	400.00
Revegetate area:	
Seed	$ 100.00
Spread seed (4 hours @ $80/hour)	320.00
Final removal of stored material:	
7 loads @ $400/load	2800.00
Post-closure seeding as needed:	
1.8 acres @ $450/acre (including seed and labor)	$810.00
Post-closure semi-annual inspection:	
30 years @ $200/year	$6,000.00
Total	$12,235.00

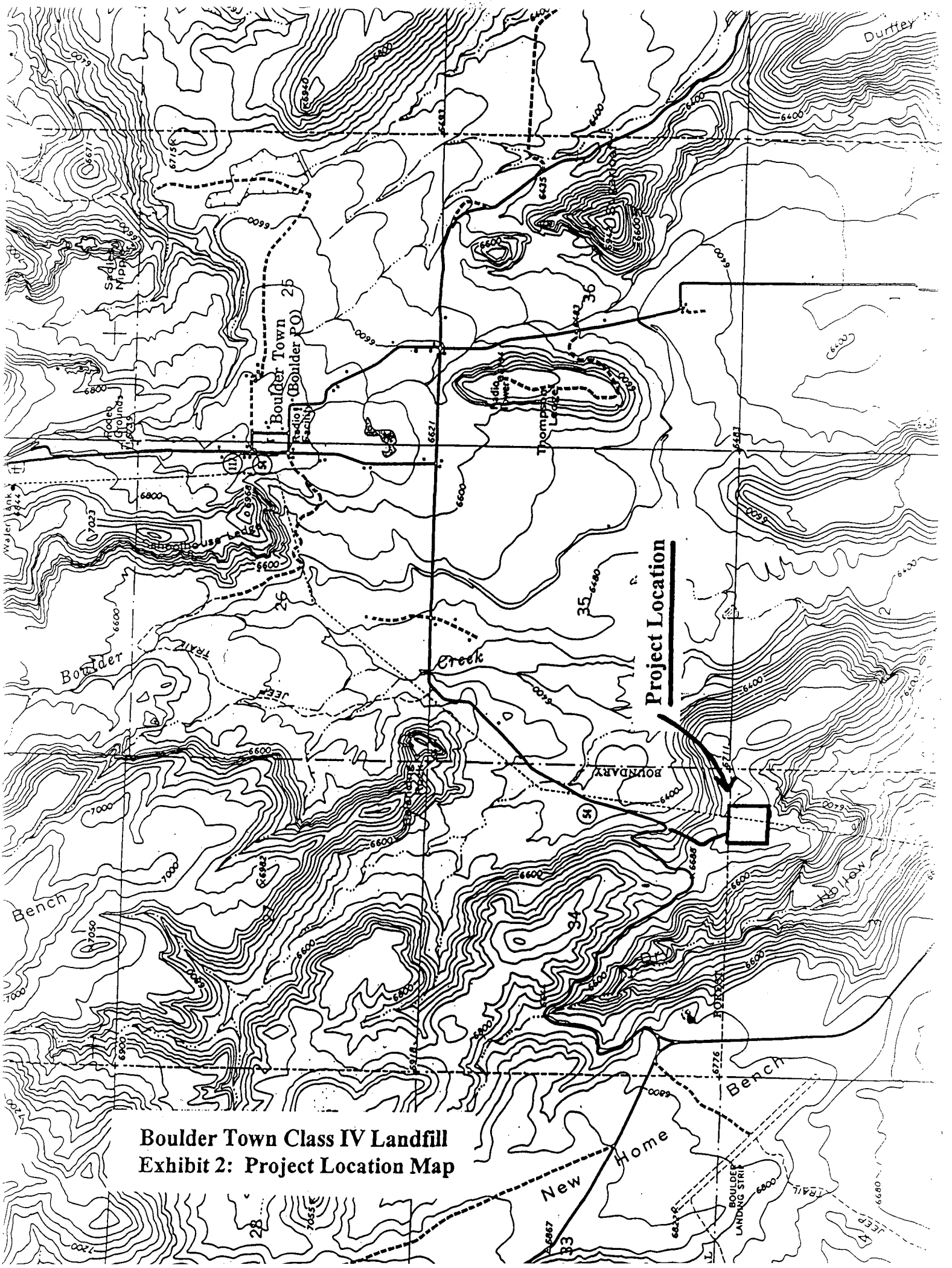
POST-CLOSURE CARE COSTS

Post-closure care of inactive sections of the landfill will consist of maintaining the integrity of the final and vegetative covers, as discussed above in sections entitled "Design of Final Cover" and "Maintenance of Cover . . ." Post-closure care of inactive sections will be an on-going effort and will be paid for from general funds which will be budgeted each year as needed. The costs cannot be estimated at this time, but are not expected in any one year to equal more than half of the cost of final closure, minus the cost of semi-annual inspection, as detailed above, as the likelihood of closing more than one pit a year is small. Upon the final closure of the landfill, it is expected that the cover of the cells previously closed will have stabilized and will need very little care. Only those last pits to be closed should need maintenance, and that is not expected to be more than half of the cost of final closure.

FINANCIAL ASSURANCE MECHANISM
AMENDED

Boulder Town has established a dedicated escrow/capital improvement account for the Boulder Class IV Landfill. The account was established with the Public Treasurer's Investment Fund with an initial deposit of $2,000. The total in the account as of August 31, 2008, is $12,216.60. An increase in the amount required to fully fund final removal of stored materials and post-closure seeding and inspections will be more than met with next month's interest, with additional accumulation accruing with further interest income. Funds in excess of the estimated costs of closure may be used for capital improvements, to offset rate increases, operational expenses and other items deemed necessary by landfill managers. The Boulder Class IV Landfill may alter the mechanism to include insurance, surety bonds, trust funds, or other options as they become feasible with Executive Secretary approval. In addition, a sum estimated to be adequate to cover the costs of corrective action and operational costs is budgeted from general funds annually.


Boulder Town Class IV Landfill
Exhibit 1: General Vicinity Map
Project Location
BOULDER
ESCALANTE
HANKSVILLE
TORREY
FREMONT
FISHLAKE
SALINA
AURORA
SIGURD
EMERY
FERRON
CASTLE DALE
CLAWSON
GREEN RIVER
THOMPSON SPRINGS
CRESCENT JCT
MOAB
CANYONLANDS NATL. PARK
DEAD HORSE POINT
GOBLIN VALLEY
MOLLEYS CASTLE
SINBAD VALLEY
SAN RAFAEL DESERT
SAN RAFAEL VALLEY
COPPER GLOBE
CAINEVILLE
KINGSTON
JUNCTION
ANTIMONY
WIDTSOE
TROPIC
CANNONVILLE
HENRIEVILLE
BRYCE CANYON NATIONAL PARK
ZION NATIONAL PARK
CAPITOL REEF NATIONAL PARK
DIXIE NATIONAL FOREST
FISHLAKE NATIONAL FOREST
MANTI-LA SAL NATIONAL FOREST
ARCHES NATIONAL PARK
NATURAL BRIDGES NATIONAL MONUMENT
BICENTENNIAL HIGHWAY
SCENIC BYWAY
FLINT TRAIL
ORANGE CLIFFS
WHITE CANYON
CIRCLE CLIFFS
COAL CLIFFS
REEF
PAHVANT RANGE
PARKER RANGE
GRAND



Boulder Town Class IV Landfill
Exhibit 2: Project Location Map

Form 1860-9
(January 1988)

The United States of America

To all to whom these presents shall come, Greeting:

Serial No. Utah 71137-01

WHEREAS,

Boulder Town, Utah

is entitled to a land patent pursuant to the Recreation and Public Purposes Act of June 14, 1926 (44 Stat. 741), as amended and supplemented (43 U.S.C. 869; et. seq.), for the following described land:

Salt Lake Meridian, Utah

T. 34 S., R. 4 E.,

sec. 3, Lot 6.

containing 9.27 acres

NOW KNOW YE, that the UNITED STATES OF AMERICA, in consideration of the premises, and in conformity with said Act of Congress, HAS GIVEN AND GRANTED, and by these presents DOES GIVE AND GRANT unto the said Boulder Town, Utah, the land above described for use as a solid waste transfer station: TO HAVE AND TO HOLD the same, together with all rights, privileges, immunities, and appurtenances, of whatsoever nature, thereunto belonging, unto the same Boulder Town, Utah, forever; and

EXCEPTING AND RESERVING TO THE UNITED STATES:

1. A right-of-way thereon for ditches or canals constructed by the authority of the United States. Act of August 30, 1890 (43 U.S.C. 945).

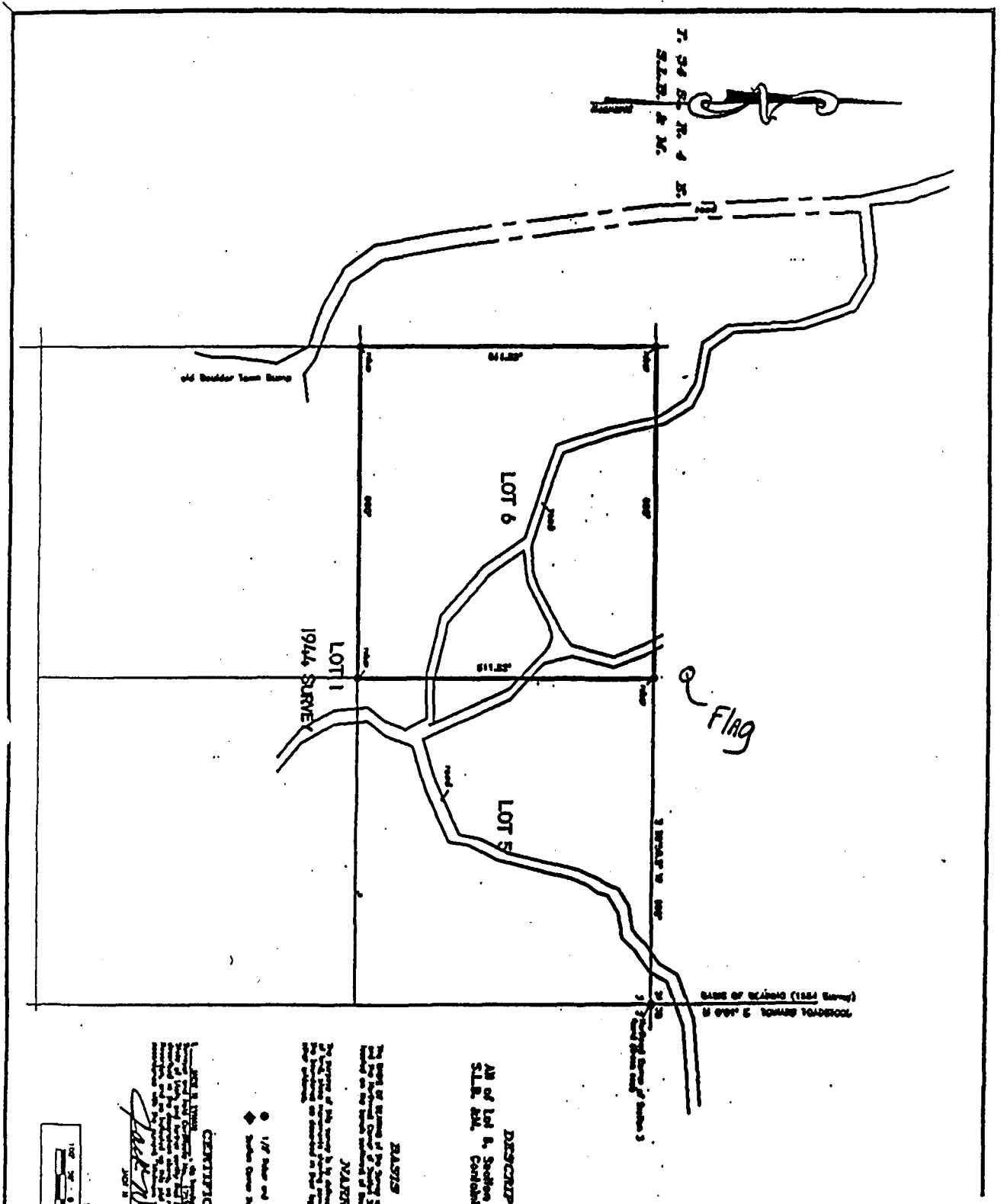
2. All minerals, including oil and gas with the right to prospect for, mine and remove the same. The Secretary of the Interior reserves the right to determine whether such mining and removal of minerals will interfere with the development, operation and maintenance of the transfer station.

Boulder Town, Utah, its successors or assigns, assumes all liability for and shall defend, indemnify, and save harmless the United States and its officers, agents, representatives, and employees (hereinafter referred to in this clause as the United States), from all claims, loss, damage, actions, causes of action, expense, and liability (hereinafter referred to in this clause as claims) resulting from, brought for, or on account of, any personal injury, threat of personal injury, or property damage received or sustained by any person or persons (including the patentee's employees) or property growing out of, occurring, or attributable directly or indirectly, to the disposal of solid waste on, or the release of hazardous substances from T. 34 S., R. 4 E., SLM, sec. 3, Lot 6, regardless of whether such claims shall be attributable to: (1) the concurrent, contributory, or partial fault, failure, or negligence of the United States, or (2) the sole fault, failure, or negligence of the United States.

Boulder Town Class IV Landfill
Exhibit 3a: Patent for Property

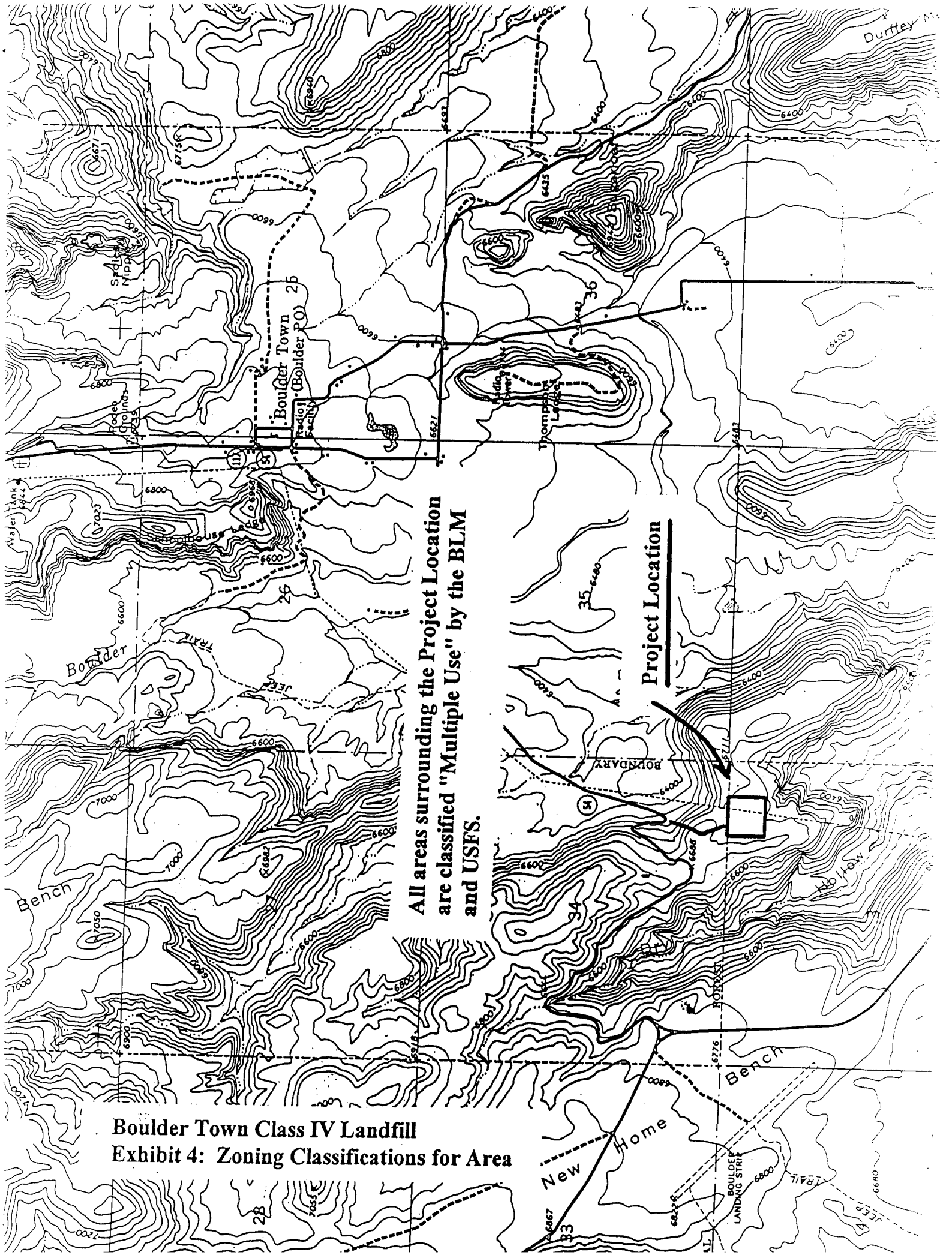
Chief, Branch of Land Resources

Patent Number 43-95-0016

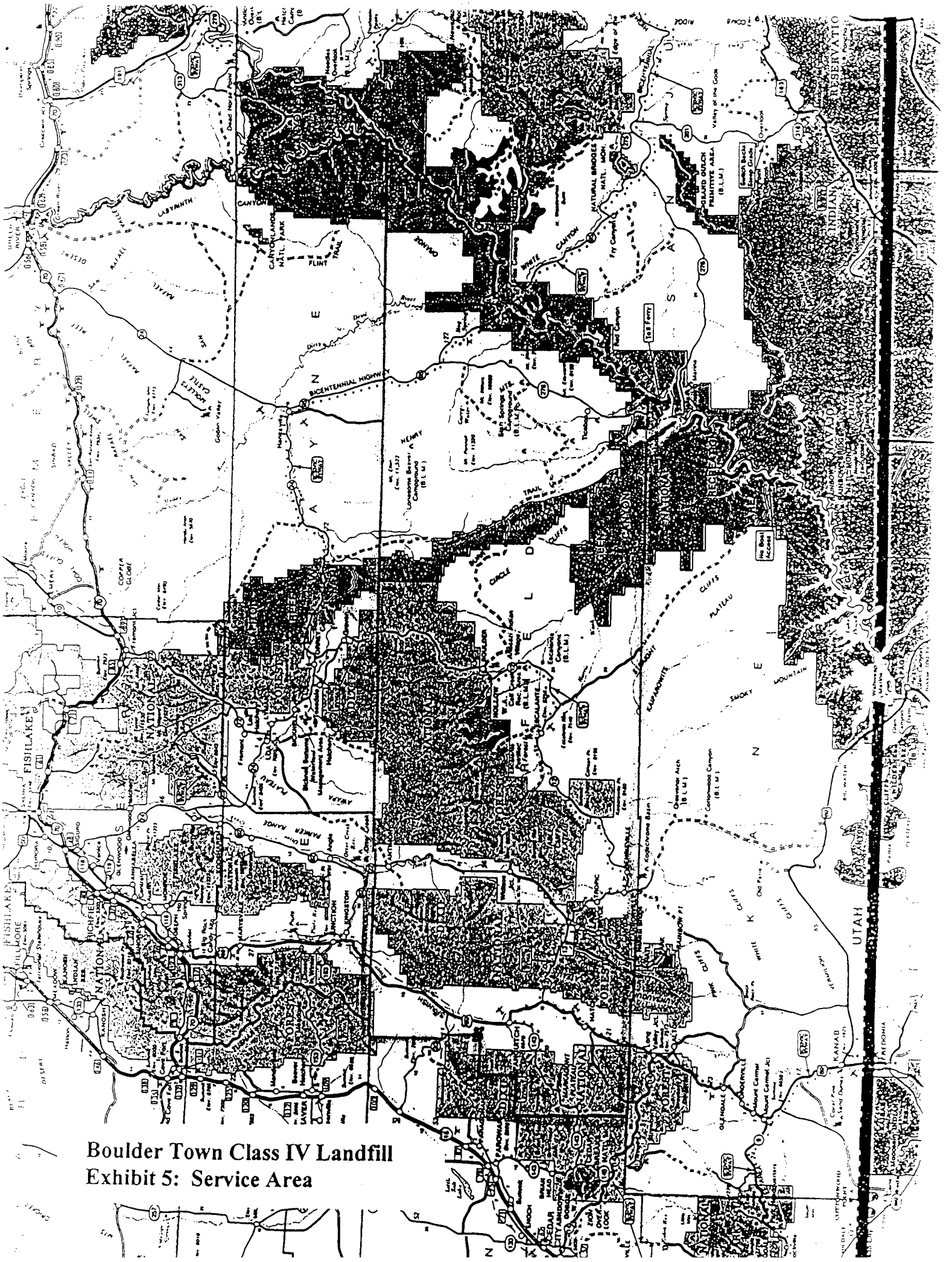


Boulder Town Class IV Landfill
Exhibit 3b: Plat of Property

LYMAN B&S P.O. BOX 1333 BOULDER, UTAH 84716 536-7433 Murray, Ut 266-0697	DRAWN RANDY CATMULL	DATE 7/03/95	BOULDER TOWN P.O. BOX BOULDER, UTAH 84716
	CHECKED BY MELISSA C. LYMAN	7/14/95	
	LAND SURVEYOR JACK N. LYMAN	7/14/95	DATE JOB NO.



Boulder Town Class IV Landfill
Exhibit 4: Zoning Classifications for Area



Boulder Town Class IV Landfill
Exhibit 5: Service Area

BOULDER TOWN CLASS IV LANDFILL

DAILY ACTIVITY RECORD

Weight, Volume and Vehicle Record

Date: _____ Page ____ of _____

Time	Vehicle No.	Est. Volume (Cu. Yds.)	Est. Weight (Tons)	Origin	Type of Waste

Signature: _____ Date: _____

Boulder Town Class IV Landfill
Exhibit 6a: Daily Record Form

BOULDER TOWN CLASS IV LANDFILL

HAZARDOUS WASTE - PCB INSPECTION RECORD

Date: _____ Time: _____ Vehicle No. _____

Random Selection: *(Yes / No)* Suspicious Load: *(Yes / No)* Other: _____

Vehicle Owner: _____ _____
Name Address

_____ _____
City, State Phone

Waste Origin: _____

Waste Types: _____

Describe any hazardous or PCB wastes encountered: _____

_____

Action Taken: _____

_____

_____

_____

Comments: _____

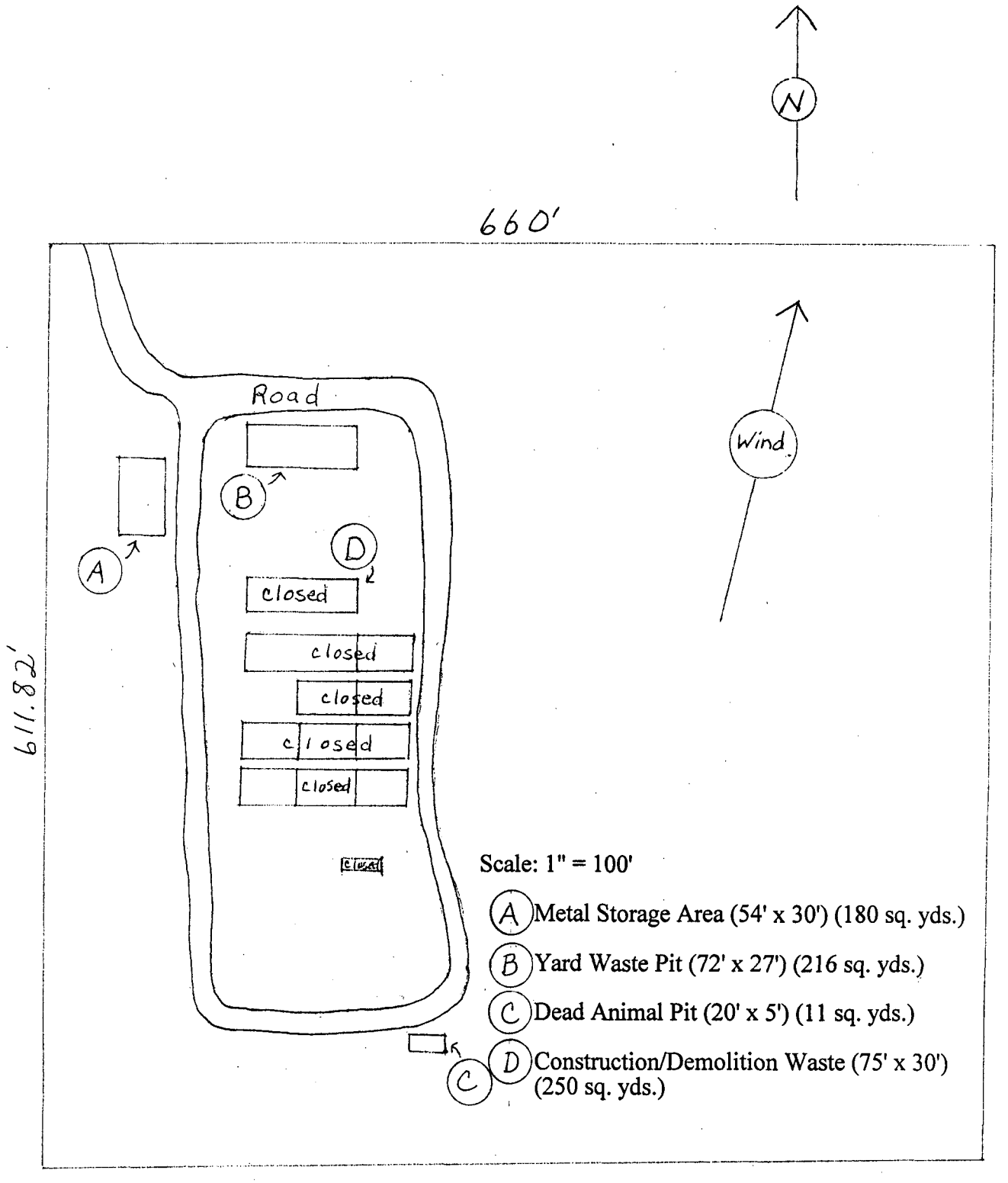
_____

_____

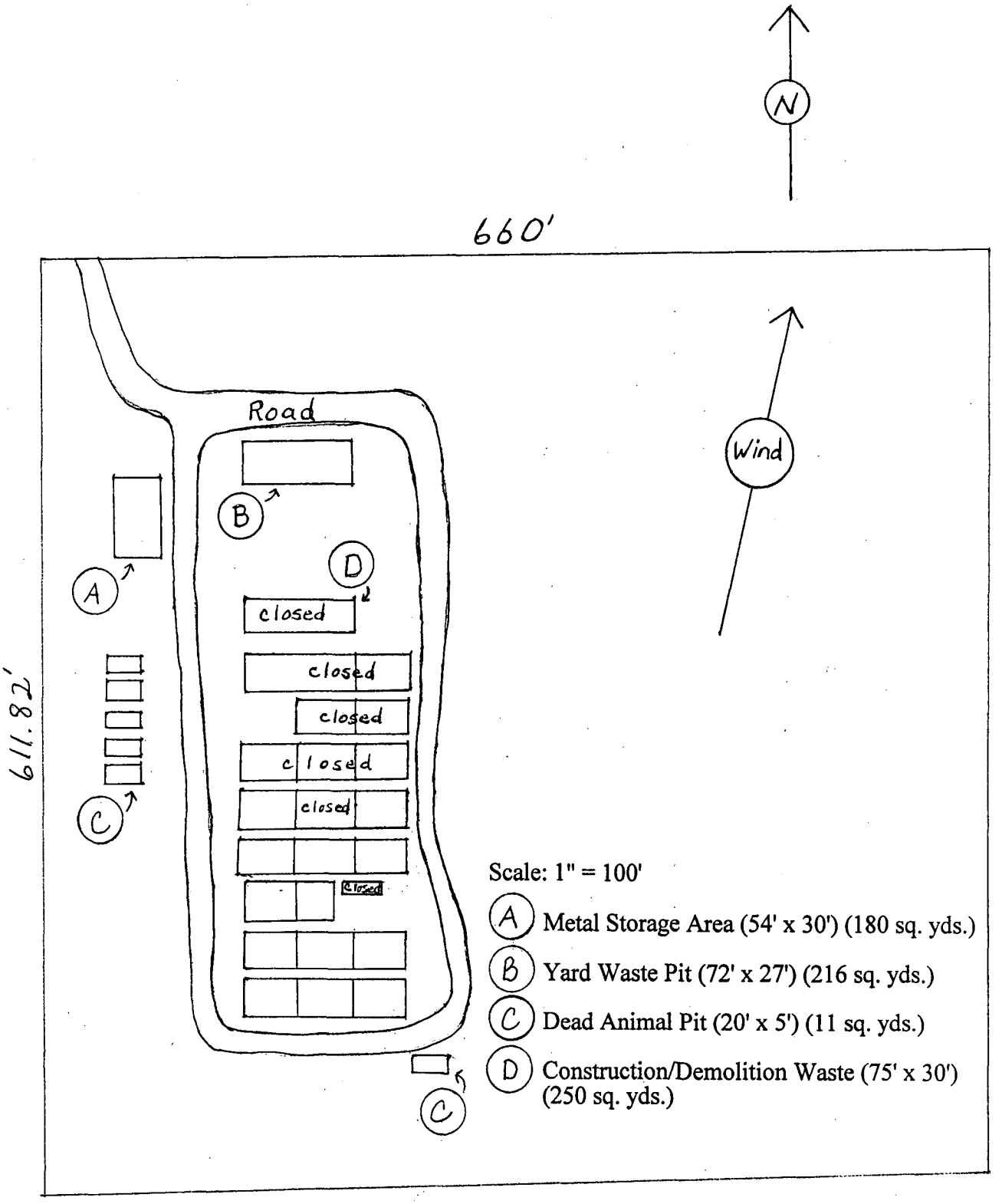
If hazardous waste or PCB waste is encountered, contact the Division of Solid and Hazardous Waste at (801) 538-6170.

Signature: _____ Date: _____

Boulder Town Class IV Landfill
Exhibit 6b: Hazardous/PCB Waste Record Form

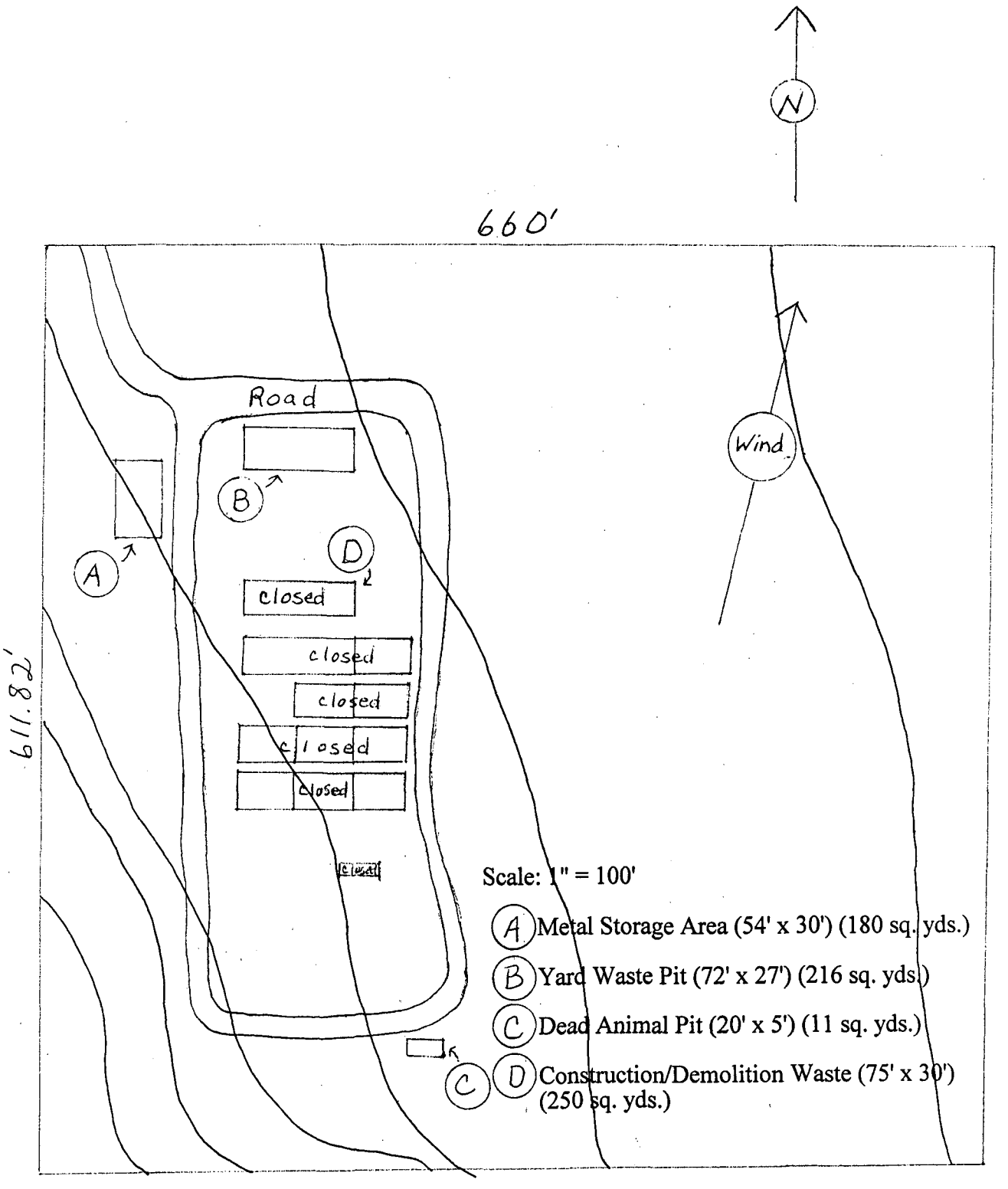


Boulder Town Class IV Landfill
Exhibit 7: Landfill Map - Current Status



Boulder Town Class IV Landfill
Exhibit 7a: Landfill Map - Proposed Future Cell Locations

When the proposed cells as illustrated are full, it is proposed that additional cells be constructed immediately to the east of the current cells and that they be filled from south to north. Additional cells would then be constructed further east and would be filled from north to south.



Boulder Town Class IV Landfill
Exhibit 8: Topographic Map
Two-foot Contours

ESCROW AGREEMENT #2117

RECEIVED
AUG 13 2003
03.02780
Division of Solid & Hazardous Waste
Utah Department of Environmental Qual

I. SUMMARY

A. Parties to the Agreement:

1. Depositor: Boulder Town (the "Entity")
Address: PO Box 1329
Boulder, Utah 84716

Contact: Keith Gailey Tel. No. 435 335-7317
Judith Davis Tel. No. 435 335-7300

2. State Agency: Utah Division of Solid & Hazardous Waste (the "State')
Address: P.O. Box 144880
Salt Lake City, Utah 84114-4880

Contact: Ralph Bohn, Section Mgr. Tel. No. 801-538-6170
Tel. No.
Tel. No.

3. Escrow Agent: Utah State Treasurer (the "Treasurer")
215 State Capitol
Salt Lake City, Utah 84114

Contact: Robert C. Kirk, Financial Manager
Stephanie Baldes, Accountant

Telephone: (801)538-1042 Telefax: (801)538-1465 Toll free: 800-395-7665

B. Deposit Amount(s):

1. Principal amount $ 2,000.00 (the "Proceeds")

2. Additional amount(s), if any:

$ None From:
$ From:
$ From:

C. Authorizing Resolution:

Deposit funds to meet the financial assurance requirements for closure and post-closure care of the Boulder Town (the "Instrument")
Landfill.

D. Project Description:

Boulder Town Class IV Landfill
(the "Project")

This Summary is an integral part of the Escrow Agreement

II. AGREEMENT

A. The undersigned hereby deliver to the Treasurer, the Proceeds and Additional amount(s) to be held and disposed of by the Treasurer in accordance with the duties, instructions, and upon the terms and conditions hereinafter set forth in this Escrow Agreement to which the undersigned hereby agree:

1. For purposes of this Escrow Agreement and this Escrow Agreement only:

   (a) The Treasurer shall not incur any liability in acting upon any written authorization and request delivered hereunder and believed by the Treasurer to be genuine and to be signed by the proper parties.

   (b) The Treasurer may consult with legal counsel in the event of any dispute or question as to the construction of the Treasurer's duties hereunder and shall not be held to any liability for acting in accordance with advice so received.

   (c) The Treasurer shall have a first lien on the moneys held by it hereunder for its compensation and for any costs, liability or expense or counsel fees it may incur.

2. In the event of any disagreement between the undersigned or any of them, and/or any other person, resulting in adverse claims and demands being made in connection with or for any moneys involved herein or affected hereby, the Treasurer shall be entitled at its option to refuse to comply with any such claim or demand, so long as such disagreement shall continue, and in so refusing the Treasurer may refrain from making any delivery or other disposition of any moneys involved herein or affected hereby and in so doing the Treasurer shall not be or become liable to the undersigned or any of them or to any person or party for its failure or refusal to comply with such conflicting or adverse demands, and the Treasurer shall be entitled to continue so to refrain and refuse so to act until:

   (a) The rights of the adverse claimants have been finally adjudicated in a court assuming and having jurisdiction of the parties and the moneys involved herein or affected hereby; and/or

   (b) All differences shall have been adjusted by agreement and the Treasurer shall have been notified thereof in writing signed by all of the persons interested.

3. The fees for the usual services of the Treasurer under the terms of this Escrow agreement are set forth in the schedule attached hereto as **Exhibit A**. It is agreed that additional compensation shall be paid to the Treasurer for any additional or extraordinary service it may be requested to render hereunder, and the Treasurer shall be reimbursed for any out-of-pocket expenses (including, without limitation, fees of counsel) reasonably incurred in connection with additional or extraordinary services.

4. The Entity and the State hereby agree that the deposit of the Proceeds shall constitute compliance with applicable deposit and investment provisions of the Instrument.

5. The duties of the Treasurer under the terms of this Escrow Agreement are as follows:

   (a) The Treasurer shall receive into a separate fund (the "Escrow Account") Proceeds and any additional amounts to be used in connection with the Project.

   (b) The Treasurer shall reimburse Entity in amounts authorized in writing by the Entity and the State.

   (c) Each authorization must be signed by one official form both the Entity and the State, except as provided in (i)of this section, and shall be substantially the same as the form attached as Exhibit B. On behalf of the Entity, the written authorization and request shall be signed by any one of the officials of the Entity identified in Section I.A. 1. above. On behalf of the State, the written authorization and request shall be signed by any one of the officials of the State identified in Section I.A.2. above. The Treasurer assumes no responsibility for expenditure

of moneys paid out of the Escrow Account pursuant to a written authorization and request properly signed and delivered the Treasurer as provided herein.

(i)

If the Entity fails to provide closure, post-closure, or corrective action of the solid waste management facility as required by the *Utah Solid Waste Permitting and Management Rules* and the Entity's solid waste disposal permit, the Executive Secretary will issue an order to close under the authority of Section 19-6-107(7) of the Utah Solid and Hazardous Waste Act. Upon completion of the Administrative process, including the Entity's right to contest and appeal the administrative action, the State may independently request, in writing, reimbursement to a State-approved and authorized third party for the costs related to the third party's activities for closure, post-closure or corrective actions at the facility.

(d) If a written authorization and request indicates that an amount (the "Retained Amount") payable to a Provider is to be held for retainage pending completion of the Project or the lapse of time, the Treasurer shall segregate such amount and shall invest the Retained Amount in an interest-bearing account (the "Separate Account"), the interest on which shall accrue for the benefit of the Provider. The Retained Amount and all accrued interest thereon shall be disbursed by the Treasurer in the same manner as provided in paragraph 5(b) hereof. All fees charged or incurred by the Treasurer relating to the establishment, investment and disbursement of the Separate Account shall be borne solely by the Provider and may be withheld by the Treasurer from the Separate Account prior to the disbursement thereof; provided, however, that if such fees are borne by the Separate Account, and if the interest earned on the Separate Account is less than the amount of such fees, then the fees withheld from such Separate Account shall not exceed the interest earned and the balance of such fees shall be paid by the Entity.

(e) The funds deposited by the parties hereto in the Escrow Fund and in any Separate Account shall be invested by the Treasurer in the Utah Public Treasurers' Investment Fund established by Section 51-7-5 of the Utah Code. All interest earned on moneys held in the Escrow Account shall be retained therein and disbursed as provided herein.

(f) The Treasurer shall report at least monthly concerning the receipts, disbursements and status of the Escrow Account. The reports shall be mailed to the Entity and to the State at their respective addresses as shown in Section I.A. above. Notification of changes of address, if any, shall be in writing and mailed to the parties at their respective addresses as shown in Section I.A. above.

(g) This Escrow Agreement will be terminated after payment of the fees and out-of-pocket expenses of the Treasurer, and upon liquidation of the Escrow Account as provided herein. This Escrow Account, upon the earlier to occur of:

(i) receipt by the Treasurer of a written authorization and request, signed as provided in paragraph 5(c) hereof, stating that the acquisition, construction, improvement and extension of the Project is complete, that all obligations and costs in connection with the Project which are payable out of the Escrow Account have been paid and discharged, and that the Treasurer is authorized and directed to transfer all moneys in the Escrow Fund to the Entity or such other disposition as may be agreed by the State and the Entity; or

(ii) receipt by the Treasurer of a written certificate of the State, signed by the appropriate representatives thereof as identified in paragraph 5(c) hereof, stating that at least months have expired from the date of this Agreement and that all remaining moneys in the Escrow Account are to be transferred to the State as a prepayment on the Bond purchased by the State or such other disposition as may be specified by the State.

6. This Agreement may be modified or amended only by a written Amendment attached to this Agreement and signed by the parties to this Agreement.

DATED this 24 day of May ,2003.

Entity: Boulder Town

By: Keith Gaby

Title: Mayor

Attest and Countersign:

By: Judith Davis

Title: Town Clerk

STATE: Utah Division of Solid and Hazardous Waste

By: Dennis L. Downs

Title: Executive Secretary
Utah Solid & Hazardous Waste Control Board

Accepted:

Utah State Treasurer

By: Robert C. Kirk

ROBERT C. KIRK
FINANCIAL MANAGER

Title:

EXHIBIT A

Fees due to State Treasurer
as Escrow Agent

Maximum annual fee is 10 basis points (one-tenth of one percent (.001)) applied to the average daily balance in each account. The fee is assessed monthly based on the actual number of days in the month divided by 360 days.

Minimum annual fee is zero.

The Treasurer intends to deduct the administrative fee from gross earnings of each account before crediting earnings to the account(s). The amount of such fees in not reflected on monthly statements to the Entity, and is payable only from gross earnings on the account(s).

Entity shall not be liable to the Treasurer for any other costs or expenses for usual services. Usual services include:

1. Acceptance of funds delivered for deposit.

2. Deposit of funds and issuance of Treasurer's Receipt.

3. Investment of all funds delivered to Treasurer.

4. Credit net interest earnings to designated account(s) on a monthly basis.

5. Reimburse entity for project costs pursuant to receipt of a written authorization and request properly signed and delivered to the Treasurer.

6. Prepare and deliver to Entity and State a monthly accounting showing all deposits, withdrawals, interest credits and rate, ending balance and average balance for each account.

Entity will be liable to the Treasurer for out-of-pocket expenses resulting from any additional or extraordinary service Treasurer is requested to render and reasonably incurs in connection with additional or extraordinary services.

EXHIBIT B -1

WRITTEN AUTHORIZATION ANS REQUEST FOR REIMBURSEMENT
FROM ESCROW FUND

TO: The Utah State Treasurer, as Escrow Agent (the "Treasurer").

DATE: _____

WRITTEN REQUEST NO.: _____

I, the undersigned authorized officer of _____, (the "Entity"), do hereby certify and request to the Treasurer as follows:

7. Pursuant to the provisions of the Escrow Agreement by and between the Entity, the State and the Treasurer dated _____,(the "Escrow Agreement"), the undersigned hereby authorizes and requests a reimbursement from the Escrow Account to pay the amounts shown on the attached Payment Schedule.

8. Each payment proposed to be made as set forth on the Payment Schedule has been incurred and is a proper charge against the Escrow Account.

9. To the extent that the payment of any item set forth on the Payment Schedule is for other than work, materials, equipment or supplies, in connection with this authorization and request, the undersigned certifies that each payment proposed to be made on the Payment Schedules is a proper charge against the Escrow Account, is a reasonable amount and has not been heretofore included in a prior Written Authorization and Request for Reimbursement for the Escrow Account.

10. This Written Authorization and Request, including the Payment Schedule attached hereto, shall be conclusive evidence of the facts and statements set forth herein.

11. A copy of this Written Authorization and Request is being kept on file in the official records of the Entity.

The terms used herein which are defined in the Escrow Agreement shall have the respective meanings therein assigned to them.

_____

By: _____

Title: _____

EXHIBIT B-2

I/we, the undersigned authorized officer(s) of the State, do hereby certify and request to the Treasurer as follows:

1. I/we have reviewed the foregoing statements of the authorized officer of the Entity attached hereto, and on behalf of the State approve the request for payment from the Escrow Fund made therein; provided that the State has not independently verified the statements of such authorized officer of the Entity attached hereto and makes no representations or certifications with respect thereto.

2. A copy of this Written Authorization and Request is being kept on file in the official records of the State.

The terms used herein shall have the same meanings assigned to them in the attached statements of the authorized officer of the Entity.

Dated the date appearing at the top of the attached statements of the authorized officer of the Entity.

STATE:

By: _____

Title: _____

EXHIBIT B -3

REIMBURSEMENT SCHEDULE

Check No.	Person or Firm	Amount	Purpose

Reimbursement for the above listed payments totaling $_____ is to be made to ____ _____("Entity") by transfer of funds from the Escrow Account (PTIF#_____) to (CHECK ONE):

_____Entity's general account in the Public Treasurer's Investment Fund (PTIF#); or to

_____Entity's checking account at _____("Bank"). Account number_____

RETAINAGE REQUEST

In addition to the above listed reimbursement, transfer the following retainage amounts:

From Escrow Acct.#	**To Retainage Acct.#**	**For Contractor (name)**	**#Amount**

Contact Person at time of Wire Transfer _____
(name) (phone #)

UTAH STATE TREASURER
UTAH PUBLIC TREASURERS' INVESTMENT FUND
New Account Application and Change Form

DATE 5-24-03

A. Title of Account Landfill Closure and Post-closure Care

B. PTIF Account Number(s) 2117

ACTION:

☒ Create New PTIF Account *(Sec. A,C,D,E,F)*	☐ Change Bank/Account *(Sec A,B,E,F).*	☐ Add Bank/Account *(Sec. A,B,E,F)*
☐ Change Address *(Sec. A,B,D,F)*	☐ Change Authorized Individuals *(Sec. A,B, C,F)*	☐ Change Internet Access *(Sec. A,B,C,F)*

C. **Individuals Authorized to Make Deposits/Withdrawals:**

	NAME	TITLE	PHONE	INTERNET ACCESS (Y/N) *
1.	Keith Gailey	Mayor		
2.	Judith Davis	Town Clerk		
3.				
4.				

D. **PTIF Statement Mailing Address:** Boulder Town
Attn: Town Clerk
PO Box 1329 Boulder, Utah 84716

E. **Bank (Depository) Information:**

New/Additional Bank	Delete Bank
a. Name of Bank _____	Name of Bank _____
b. Account Number _____	Account Number _____
☐ Checking ☐ Savings ☐ Other _____	

F. **Authorization:** In accordance with applicable statutes and procedures established by the Utah State Treasurer, we the undersigned hereby authorize the Utah State Treasurer to make the above changes and/or initiate wire and/or automated clearing house (ACH) credit entries and/or debit entries to our bank indicated above. The depository named above is authorized to credit and/or debit the same to such account. This authorization is to remain in full force and effect until the Utah State Treasurer has received written notification from us of its termination.

Signed Keith Gailey 24 May 2003 (Date)	Signed Judith Davis 5-24-03 (Date)
Name KEITH GAILEY	Name Judith Davis
Title Mayor	Title Town Clerk

TWO SIGNATURES REQUIRED

Please **attach a deposit slip** and return this form to:

Utah State Treasurer's Office
215 State Capitol
Salt Lake City, Utah 84114

* Must be a registered user, see our website at www.treasurer.state.ut.us