



State of Utah

SPENCER J. COX  
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Department of  
Environmental Quality

Kimberly D. Shelley  
*Executive Director*

DIVISION OF WASTE MANAGEMENT  
AND RADIATION CONTROL

Douglas J. Hansen  
*Director*

September 3, 2021

John Watson, Director of Solid Waste  
Weber County  
867 West Wilson Lane  
Ogden, UT 84401

RE: Renewed Permit to Operate Weber County Class VI Construction and Demolition Waste  
Landfill, Facility ID SW334

Dear Mr. Watson:

Enclosed is the approved permit, which has been renewed for the Weber County Class VI Construction and Demolition Waste Landfill.

The 30-day public comment period on the draft renewal permit began on April 28, 2021, and ended on May 27, 2021. A comment was received during the comment period and has been addressed in the enclosed Statement of Basis Document.

Periodic inspections of the landfill will be conducted by representatives of the Division of Waste Management and Radiation Control and the Weber-Morgan Health Department to assess compliance with permit conditions and applicable Solid Waste Rules.

The permit approval and expiration dates are as shown on the permit cover page. A Statement of Basis was prepared for the permit and is enclosed.

If you have any questions, please call Doug Taylor at (801) 536-0240.

Sincerely,

Douglas J. Hansen, Director  
Division of Waste Management and Radiation Control

(Over)

DJH/DT/wa

Enclosures: Permit (DSHW-2021-003116)  
Permit Attachment 1 – Landfill Design and Construction (DSHW-2021-003118)  
Permit Attachment 2 – Plan of Operations (DSHW-2021-003120)  
Permit Attachment 3 – Closure and Post-Closure Plans (DSHW-2021-003122)  
Statement of Basis (DSHW-2021-010982)

c: Brian Cowan, Health Officer, Weber-Morgan Health Department  
Michela Harris, Deputy Director, Weber-Morgan Health Department  
Scott Braeden, Environmental Health Director, Weber-Morgan Health Department  
Scott Jenkins, County Commissioner (Email)  
Randy Moulding, Landfill Operator (Email)  
Gordon Jones, P.E., HAL Engineers (Email)

DIVISION OF WASTE MANAGEMENT  
AND RADIATION CONTROL  
SOLID WASTE LANDFILL PERMIT

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**CLASS VI SOLID WASTE PERMIT RENEWAL**

**WEBER COUNTY CLASS VI LANDFILL**

Pursuant to the provisions of the *Utah Solid and Hazardous Waste Act*, Title 19, Chapter 6, Part 1, Utah Code Annotated (Utah Code Ann.) (the Act) and the *Utah Solid Waste Permitting and Management Rules*, Utah Administrative Code R315-301 through 320 adopted thereunder, a Permit is issued to

Weber County Corporation as owner and  
Moulding and Sons Landfill, LLC., as operator  
(Permittees),

to own, construct, and operate the *Weber County Class VI Landfill* located in the NW 1/4 section of Section 19, Township 6 North, Range 3, Salt Lake Base and Meridian, Weber County, Utah as shown in the Permit Renewal Application that was determined complete on March 3, 2021, DSHW-2021-003124.

The Permittees are subject to the requirements of R315-301 through 320 of the Utah Administrative Code and the requirements set forth herein.

All references to R315-301 through 320 of the Utah Administrative Code are to regulations that are in effect on the date that this Permit becomes effective.

This Permit shall become effective September 3, 2021.

Closure Cost Revision Date: September 3, 2026.

This Permit shall expire at midnight September 2, 2031.

Signed this 3<sup>rd</sup> day of September, 2021.



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Douglas J. Hansen, Director  
Division of Waste Management and Radiation Control

## FACILITY OWNER/OPERATOR INFORMATION

LANDFILL NAME: Weber County Class VI Landfill

OWNER NAME: Weber County Corporation

OWNER ADDRESS: 867 West Wilson Lane  
Ogden, UT 84401

OWNER PHONE NO.: 801-399-8803

OPERATOR NAME: Moulding & Sons Landfill, LLC.

OPERATOR ADDRESS: 10485 West 900 South  
Ogden, UT 84404

OPERATOR PHONE NO.: 801-399-9904

TYPE OF PERMIT: Class VI Landfill

PERMIT NUMBER: 1101R1

LOCATION: Landfill site is located in Township 6 North, Range 3 West, Section 19, SLMB; Weber County, Lat. 41° 14' 55", Long. 112° 13' 50." The facility is located at: 10485 West 900 South, Ogden, Utah 84404.

PERMIT HISTORY This facility first received a permit to accept solid waste on March 1, 2011 as a Class IV landfill. The Permit was modified on April 18, 2018 to a Class VI landfill and allowed to receive dead animals. This is the second renewal of the permit. This renewal permit is effective on the date shown on the signature page.

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The term, "Permit," as used in this document is defined in R315-301-2(55) of the Utah Administrative Code. "Director" as used throughout this Permit refers to the Director of the Division of Waste Management and Radiation Control.

This Permit consists of the signature page, Facility Owner/Operator Information section, Sections I through V, and all Attachments to this Permit.

The facility as described in this Permit consists of a scale house, a maintenance building, a disposal cell for all permitted waste, a prohibited waste storage container and areas for storage of recyclable materials.

Compliance with this Permit does not constitute a defense to actions brought under any other local, state, or federal laws. This Permit does not exempt the Permittees from obtaining any other local, state or federal permits or approvals required for the operation of the landfill.

The issuance of this Permit does not convey any property rights, other than the rights inherent in this Permit, in either real or personal property, or any exclusive privileges other than those inherent in this Permit. This Permit does not authorize any injury to private property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations, including zoning ordinances.

The provisions of this Permit are severable. If any provision of this Permit is held invalid for any reason, the remaining provisions shall remain in full force and effect. If the application of any provision of this Permit to any circumstance is held invalid, its application to other circumstances shall not be affected.

By this Permit, the Permittees are subject to the following conditions.

## PERMIT REQUIREMENTS

### I. GENERAL COMPLIANCE RESPONSIBILITIES

#### I.A. General Operation

I.A.1. The Permittees shall operate the landfill in accordance with all applicable requirements of R315-305 of the Utah Administrative Code that are in effect as of the date of this Permit unless otherwise noted in this Permit. Any permit noncompliance or noncompliance with any applicable portions of Utah Code Ann § 19-6-101 through 125 and applicable portions of R315-301 through 320 of the Utah Administrative Code constitutes a violation of the Permit or applicable statute or rule and is grounds for appropriate enforcement action, permit modification, termination, or denial of a permit renewal application.

#### I.B. Acceptable Waste

I.B.1. Construction/demolition solid waste as defined in R315-301-2(17) of the Utah Administrative Code;

I.B.2. Yard waste as defined in R315-301-2(87) of the Utah Administrative Code;

I.B.3. Inert waste, as defined in R315-301-2(37) of the Utah Administrative Code;

I.B.4. Waste tires, may be accepted and managed in accordance with the requirements of R315-320 of the Utah Administrative Code; and

I.B.5. Petroleum contaminated soils as allowed in R315-315-8(3) of the Utah Administrative Code and

I.B.6. Dead animals, when placed in a separate area and covered each day, or placed in the working face and covered with waste immediately.

#### I.C. Prohibited Waste

I.C.1. Hazardous waste as defined by R315-261 of the Utah Administrative Code;

I.C.2. PCBs as defined by R315-301-2(53) of the Utah Administrative Code, except PCB's specified by R315-315-7(2)(a) and (c) of the Utah Administrative Code;

I.C.3. Household waste, except waste resulting from the abatement, rehabilitation, renovation and remodeling of homes and other residences;

I.C.4. Municipal waste;

I.C.5. Special waste except as specified in this Permit;

I.C.6. Regulated asbestos-containing material;

I.C.7. Industrial solid waste as defined in R315-301-2(35) of the Utah Administrative Code;

I.C.8. Except for Construction/demolition solid waste, as defined in R315-301-2(17) of the Utah Administrative Code, Commercial solid waste as defined in R315-301-2(14) of the Utah Administrative Code;

- I.C.9. Containers larger than household size (five gallons) holding any liquid, non-containerized material containing free liquids or any waste containing free liquids in containers larger than five gallons; and
- I.C.10. Any prohibited waste received and accepted for disposal at the facility shall constitute a violation of this Permit, of 19-6-101 through 125 and of R315-301 through 320 of the Utah Administrative Code.

I.D. Inspections and Inspection Access

- I.D.1. The Permittees shall allow the Director of the Division of Waste Management and Radiation Control or an authorized representative, or representatives from the Weber - Morgan Health Department, to enter at reasonable times and:
  - I.D.1.a Inspect the landfill or other premises, practices or operations regulated or required under the terms and conditions of this Permit or R315-301 through 320 of the Utah Administrative Code;
  - I.D.1.b Have access to and copy any records required to be kept under the terms and conditions of this Permit or R315-301 through 320 of the Utah Administrative Code;
  - I.D.1.c Inspect any loads of waste, treatment facilities or processes, pollution management facilities or processes, or control facilities or processes required under this Permit or regulated under R315-301 through 320 of the Utah Administrative Code; and
  - I.D.1.d Create a record of any inspection by photographic, video, electronic, or any other reasonable means.

I.E. Noncompliance

- I.E.1. If monitoring, inspection, or testing indicates that any permit condition or any applicable rule under R315-301 through 320 of the Utah Administrative Code may be or is being violated, the Permittees shall promptly make corrections to the operation or other activities to bring the facility into compliance with all permit conditions or rules.
- I.E.2. In the event of noncompliance with any permit condition or violation of an applicable rule, the Permittees shall promptly take any action reasonably necessary to correct the noncompliance or violation and mitigate any risk to the human health or the environment. Actions may include eliminating the activity causing the noncompliance or violation and containment of any waste or contamination using barriers or access restrictions, placing of warning signs or permanently closing areas of the facility.
- I.E.3. The Permittees shall:
  - I.E.3.a Document the noncompliance or violation in the daily operating record, including the day the event occurred or the day it was discovered;
  - I.E.3.b Notify the Director of the Utah Division of Waste Management and Radiation Control by telephone within 24 hours, or the next business day following documentation of the event; and

- I.E.3.c Give written notice of the noncompliance or violation and measures taken to protect human health and the environment within seven days after Director notification.
- I.E.4. Within thirty days after the documentation of the event, the Permittees shall submit to the Director a written report describing the nature and extent of the noncompliance or violation and the remedial measures taken or to be taken to protect human health and the environment and to eliminate the noncompliance or violation. After review of the assessment report, the Director may order the Permittees to perform appropriate remedial measures including development of a site remediation plan for approval by the Director.
- I.E.5. In an enforcement action, the Permittees may not claim as a defense that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with R315-301 through 320 of the Utah Administrative Code and this Permit.

I.F. Termination

- I.F.1. This Permit may be terminated if the Permittees fails to comply with any condition of the Permit. The Director will notify the Permittees in writing prior to any proposed termination and such action shall be subject to all applicable hearing procedures established under R305-7 of the Utah Administrative Code and the Utah Administrative Procedures Act.

I.G. Attachment Incorporation

- I.G.1. Attachments to the Permit are incorporated by reference into this Permit and are enforceable conditions of this Permit, as are documents incorporated by reference into the attachments. Language in this Permit supersedes any conflicting language in the attachments or documents incorporated into the attachments.

**II. DESIGN AND CONSTRUCTION**

II.A. Design and Construction

- II.A.1. The landfill shall be constructed according to the design outlined in the Attachment 1 and in the area designated in the Attachment 1, including landfill cells, fences, gates, and berms.
- II.A.2. The Permittees shall notify the Director upon completion of construction of any landfill cells or run-on and run-off diversion systems. No landfill cells or run-on and run-off diversion system may be used until construction is approved by the Director.
- II.A.3. The Permittees shall notify the Director of the completion of construction of any final cover system and shall provide all necessary documentation and shall apply for approval of the construction from the Director.
- II.A.4. If ground water is encountered during excavation of the landfill, the Director shall be notified immediately, and a contingency plan implemented or alternative construction design developed and submitted for approval.



II.A.5. All engineering drawings submitted to the Director shall be stamped by a professional engineer with a current registration in Utah.

II.B. Run-On and Run-off Control

II.B.1. The Permittees shall construct drainage channels and diversions as specified in the Attachment 1 and shall maintain them at all times to effectively prevent runoff from the surrounding area from entering the landfill.

**III. LANDFILL OPERATION**

III.A. Operations Plan

III.A.1. The Permittees shall keep the Operations Plan included in Attachment 2 on site at the landfill or at the location designated in section III-H of this Permit. The Permittees shall operate the landfill in accordance with the operations plan. If necessary, the Permittees may modify the Operations Plan following the procedures of R315-311-2(1) of the Utah Administrative Code and approved of by the Director. The Permittees shall note any modification to the Operations Plan in the daily operating record.

III.B. Security

III.B.1. The Permittees shall operate the Landfill so that unauthorized entry to the facility is restricted. The Permittees shall:

III.B.1.a Lock all facility gates and other access routes during the time the landfill is closed.

III.B.1.b Have at least one person employed by the Permittees at the landfill during all hours that the landfill is open.

III.B.1.c Construct all fencing and any other access controls as shown in the Attachment 1 to prevent access by persons or livestock by other routes.

III.C. Training

III.C.1. The Permittees shall provide training for on-site personnel in landfill operation, including waste load inspection, hazardous waste identification, and personal safety and protection.

III.D. Burning of Waste

III.D.1. Intentional burning of solid waste is prohibited and is a violation of R315-303-4(2)(b) of the Utah Administrative Code.

III.D.2. The Permittees shall extinguish all accidental fires as soon as reasonably possible.

III.E. Cover

III.E.1. The Permittees shall cover the waste as necessary to prevent fires and to control vectors, blowing litter, odor, scavenging, and fugitive dust.

- III.E.2. The Permittees may use an alternative cover material when the material and operation meets the requirements of R315-303-4(4)(b) through (e) of the Utah Administrative Code.
- III.E.3. The Permittees shall use a minimum of six inches of earthen cover no less than once each month for all wastes received at the landfill. This cover shall consist of soil; no alternative may be used.
- III.E.4. The Permittees shall record in the daily operating record and the operator shall certify, at the end of each day of operation when soil or an alternative cover is placed, the amount and type of cover placed and the area receiving cover. Cover requirements for dead animals are found in Section III-L of this Permit.

### III.F. Waste Inspections

- III.F.1. The Permittees shall visually inspect incoming waste loads to verify that no wastes other than those allowed by this permit are disposed in the landfill. The Permittees shall conduct a complete waste inspection at a minimum frequency of 1 % of incoming loads, but no less than one complete inspection per day. The Permittees shall select the loads to be inspected on a random basis.
- III.F.2. The Permittees shall inspect all loads suspected or known to have one or more containers capable of holding more than five gallons of liquid to ensure that each container is empty.
- III.F.3. The Permittees shall inspect all loads that the Permittee/s suspect/s may contain a waste not allowed for disposal at the landfill.
- III.F.4. The Permittees shall conduct complete random inspections as follows:
  - III.F.4.a The Permittees shall conduct the random waste inspection at the working face or an area designated by the Permittees.
  - III.F.4.b The Permittees shall direct that loads subjected to complete inspection be unloaded at the designated area;
  - III.F.4.c Loads shall be spread by equipment or by hand tools;
  - III.F.4.d Personnel trained in hazardous waste recognition and recognition of other unacceptable waste shall conduct a visual inspection of the waste; and
  - III.F.4.e The personnel conducting the inspection shall record the results of the inspection on a waste inspection form as found in Attachment 2. The Permittees shall place the form in the daily operating record at the end of the operating day.
  - III.F.4.f The Permittees or the waste transporter shall properly dispose of any waste that is not acceptable at the facility at an approved disposal of that type of waste.

### III.G. Self Inspections

- III.G.1. The Permittees shall inspect the facility to prevent malfunctions and deterioration, operator errors, and discharges that may cause or lead to the release of wastes or

contaminated materials to the environment or create a threat to human health or the environment. The Permittees shall complete these general inspections no less than quarterly and shall cover the following areas: Waste placement, compaction, adequate cover, fences and access controls, roads, run-on/run-off controls, final and intermediate cover, litter controls, and records. The Permittees shall record the inspections in the daily operating record on the day of the inspection. The Permittee shall correct the problems identified in the inspections in a timely manner and document the corrective actions in the daily operating record.

### III.H. Recordkeeping

III.H.1. The Permittees shall maintain and keep on file at the landfill office, a daily operating record and other general records of landfill operation as required by R315-302-2(3) of the Utah Administrative Code. The landfill operator, or other designated personnel, shall date and sign the daily operating record at the end of each operating day. The Daily operating record shall consist of the following two types of documents:

III.H.2. 1. Records related to the daily landfill operation or periodic events including:

III.H.2.a The number of loads of waste and the weights or estimates of weights or volume of waste received each day of operation and recorded at the end of each operating day;

III.H.2.b Major deviations from the approved plan of operation recorded at the end of the operating day the deviation occurred;

III.H.2.c Results of monitoring required by this Permit recorded in the daily operating record on the day of the event or the day the information is received;

III.H.2.d Records of all inspections conducted by the Permittees, results of the inspections, and corrective actions.

III.H.3. Records of a general nature including:

III.H.3.a A copy of this Permit, including the Attachments;

III.H.3.b Results of inspections conducted by representatives of the Director and representatives of the local Health Department, when forwarded to the Permittees;

III.H.3.c Closure and Post-closure care plans; and

III.H.3.d Records of employee training.

### III.I. Reporting

III.I.1. The Permittees shall prepare and submit to the Director an Annual Report as required by R315-302-2(4) of the Utah Administrative Code. The Annual Report shall include: the period covered by the report, the annual quantity of waste received, an annual update of the financial assurance mechanism, a re-application for approval of the financial assurance mechanism, all ground water monitoring results, the statistical analysis of ground water monitoring results, and all training programs completed.

### III.J. Roads

III.J.1. The Permittees shall improve and maintain all access roads within the landfill boundary that are used for transporting waste to the landfill for disposal as necessary to assure safe and reliable all-weather access to the disposal area.

### III.K. Litter Control

III.K.1. Litter resulting from operations of the landfill shall be minimized. In addition to the litter control plans found in Attachment 2, the Permittees shall implement the following procedures when high wind conditions are present:

III.K.1.a Reduce the size of the tipping face;

III.K.1.b Reduce the number of vehicles allowed to discharge at the tipping face at one time;

III.K.1.c Orient vehicles to reduce wind effects on unloading and waste compaction;

III.K.1.d Reconfigure tipping face to reduce wind effect;

III.K.1.e Use portable and permanent wind fencing as needed; and

III.K.1.f Should high winds present a situation that the windblown litter cannot be controlled, the Permittees shall cease operations of the landfill until the winds diminish.

### III.L. Disposal of Special Wastes

III.L.1. The Permittees may dispose of animal carcasses at the landfill working face and shall cover them with other solid waste or earth by the end of the operating day on which the carcasses are received. Alternatively, the Permittees may dispose of animal carcasses in a special trench or pit prepared for the acceptance of dead animals. If a special trench is used, the Permittees shall cover animals placed in the trench with six inches of earth at the end of each operating day.

## IV. **CLOSURE REQUIREMENTS**

### IV.A. Closure

IV.A.1. The Permittees shall place the final cover of the landfill as shown in the Attachment 3. The final cover shall meet, at a minimum, the standard design for closure as specified in R315-305-5(5)(b) of the Utah Administrative Code.

IV.A.2. The Permittees shall install final cover of the landfill as shown in Attachment 4. The final cover shall meet, at a minimum, the standard design for closure as specified in the R315-303-3(4) of the Utah Administrative Code plus sufficient cover soil or equivalent material to protect the low permeability layer from the effects of frost, desiccation, and root penetration. The Permittees shall submit to the Director a quality assurance plan for construction of the final landfill cover, and approval of the plan shall be received from the Director prior to construction of any part of the final cover at the landfill. A

qualified person not affiliated with the Permittees or the construction contractor shall perform permeability testing on the recompacted clay placed as part of the final cover.

IV.B. Title Recording

IV.B.1. The Permittees shall meet the requirements of R315-302-2(6) of the Utah Administrative Code by recording a notice with the Weber County Recorder as part of the record of title that the property has been used as a landfill. The notice shall include waste disposal locations and types of waste disposed. The Permittees shall provide the Director the notice after recordation.

IV.C. Post-Closure Care

IV.C.1. The Permittees shall perform post-closure care at the closed landfill in accordance with the Post-Closure Care Plan in Attachment 3. Post-closure care shall continue until all waste disposal sites at the landfill have stabilized and the finding of R315-302-3(7)(c) of the Utah Administrative Code is made.

IV.D. Financial Assurance

IV.D.1. The Permittees shall keep in effect and active the currently approved financial assurance mechanism or another approved mechanism that meets the requirements of R315-309 of the Utah Administrative Code and is approved by the Director to cover the costs of closure and post-closure care at the landfill. The Permittees shall adequately fund and maintain the financial assurance mechanism(s) to provide for the cost of closure and post-closure until termination of financial assurance in accordance with R315-309-11 of the Utah Administrative Code.

IV.E. Financial Assurance Annual Update

IV.E.1. The Permittees shall submit an annual revision of closure and post-closure costs for inflation and financial assurance to the Director as part of the annual report as required by R315-309-2(2) of the Utah Administrative Code. The Permittees shall submit the information as required in R315-309-8 of the Utah Administrative Code and shall meet the qualifications for the "Local Government Financial Test".

IV.F. Closure Cost and Post-Closure Cost Revision

IV.F.1. The Permittees shall submit a complete revision of the closure and post-closure cost estimates by the Closure Cost Revision Date listed on the signature page of this Permit and any time the facility is expanded, any time a new cell is constructed, or any time a cell is expanded.

**V. ADMINISTRATIVE REQUIREMENTS**

V.A. Permit Modification

V.A.1. Modifications to this Permit may be made upon application by the Permittees or by the Director following the procedures specified in R315-311-2 of the Utah Administrative

Code. The Permittees shall be given written notice of any permit modification initiated by the Director.

V.B. Permit Transfer

V.B.1. This Permit may be transferred to a new Permittee in accordance with R315-310-11 of the Utah Administrative Code.

V.C. Expansion

V.C.1. This Permit is for the operation of a Class VI Landfill according to the design and Operation Plan described and explained in Attachments 1 and 2. Any expansion of the current footprint designated in the description contained in Attachment 1, but within the property boundaries designated in Attachment 1, shall require submittal of plans and specifications to the Director. The plans and specifications shall be approved by the Director prior to construction.

V.C.2. Any expansion of the landfill facility beyond the property boundaries designated in the description contained in Attachment 1 shall require submittal of a new permit application in accordance with R315-310 of the Utah Administrative Code.

V.C.3. Any addition to the acceptable wastes described in Section I-B shall require a permit modification in accordance with R315-311 of the Utah Administrative Code.

V.D. Expiration

V.D.1. If the Permittee desires to continue operating this landfill after the expiration date of this Permit, the Permittee shall submit an application for permit renewal at least six months prior to the expiration date, as shown on the signature (cover) page of this Permit. If the Permittee submits a timely permit renewal application and the permit renewal is not complete by the expiration date, this Permit shall continue in force until renewal is completed or denied.

**VI. ATTACHMENTS**

Attachment 1 – Landfill Design and Construction

Attachment 2 – Plan of Operations

Attachment 3 – Closure and Post-Closure Plans

**Attachment 1**  
**Landfill Design and Construction**

# Attachment 1 - Landfill Design and Construction

## SECTION VI

### PART II

#### 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))**

Topographic mapping is provided with the figures and as Sheet GW-1 in Exhibit A, Appendix 1, Sheet GW-1 also provided ground water surface contours as generated from ground water measurements.

Ground water monitoring is not anticipated due to the types of wastes that will be delivered to the landfill and the poor quality of ground water below the site.

Landfill gas monitoring is not anticipated due to the types mostly inert nature of waste materials that will be delivered to the landfill.

Borrow and fill areas are presented in Sheet C-2 in Exhibit A, Appendix 1. This sheet presents existing and future contours associated with the floor grade of the landfill. It is expected that all fill materials will be obtained either on-site from cut areas presented to achieve design floor grades or from delivery of inert waste and soil materials. Some borrowing of materials may also occur as needed from off-site sources or properties owned by Weber County.

**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 fo the prevailing winds (R315-**



**310-4(2)(a)(ii)**

The U.S. Geological Survey topographic map is provided with the figures. This map shows the direction of the prevailing winds which are from the south direction.

## SECTION VII

### PART II

#### II. FACILITY TECHNICAL INFORMATION

##### IIc. ENGINEERING REPORT – PLANS, SPECIFICATIONS, AND CALCULATIONS – ALL FACILITIES

The complete engineering report including design drawings, a geotechnical and geological evaluation report, and supporting design calculations, is included in Exhibit A. The following provides responses to specific items contained on the Application Checklist.

**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))**

Signed and sealed engineering drawings are located in Exhibit A.

**Design and location of run-on and run-off control systems (R315-310-4(2)(c)(viii))**

**Run-on Control System** design includes control and proper conveyance of storm water that may enter the facility from up-gradient lands. Run-on is expected primarily from Little Mountain and the asphalt road north of the proposed facility. The run-on control system is designed to control storm water flows from a 100-year 24-hour storm event, which exceeds the regulatory requirements of designing the systems based on the 25-year event, and to route the storm water around the active landfill area.

Storm water from Little Mountain currently collects in a ditch system located on the north side of the asphalt road north of the proposed facility. The ditch system north of the facility conveys the storm water to three culverts that currently discharge storm water toward the facility property. A ditch will be constructed within the road right-of-way along the north side of the

property to convey storm water discharged from the culverts toward the east and down the east side of the facility to the upper east detention pond. The storm water design drawings, calculations and supporting information are found in Exhibit A.

Run-off Control Systems include: 1) Control and containment of potentially contaminated storm water from active and open areas of the landfill where storm water may come in direct contact with waste material; and 2) Control and discharge of clean storm water that is generated from areas of the waste mound covered with clean soil and final cover soils.

**Anticipated facility life and the basis for calculating the facility's life (R315-310-4(2)(c)(ii))**

Anticipated facility life is approximately 50 years based on a total air space of 16 million cubic yards, approximately 1.6 million cubic yards of cover soil which reduces the waste capacity to about 14.4 million cubic yards, and receipt of between 250,000 and 300,000 cubic yards of waste annually.

**Engineering reports required to meet the location standards of R315-302-1 including documentation of any demonstration or exemption made for any location standard (R315-310-4(2)(c)(i))**

Location standards were met as part of the original permitting process for the now active facility. The original engineering report is provided in Exhibit A.

**Identification of borrow sources for final cover (R315-310-4(2)(c)(iv))**

Final cover will be obtained from on-site soils stockpiled during excavations to obtain floor grades, clean soils delivered to the site as waste from construction excavations, and from weber county properties that are near the facility. Weber county currently owns undeveloped property approximately 1 mile to the west of the facility that is designated for recreational purposes. Soils may be obtained from this property to establish site grading needed for the recreational property and to meet closure needs. It is anticipated that all clean soils delivered to the site will be

stockpiled for future closure or will be placed directly on exterior and top slopes during waste placement where the waste mound has reached final grade.

**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))**

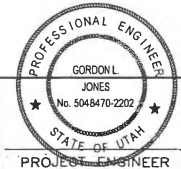
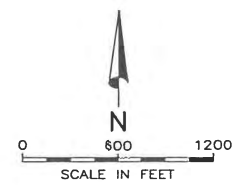
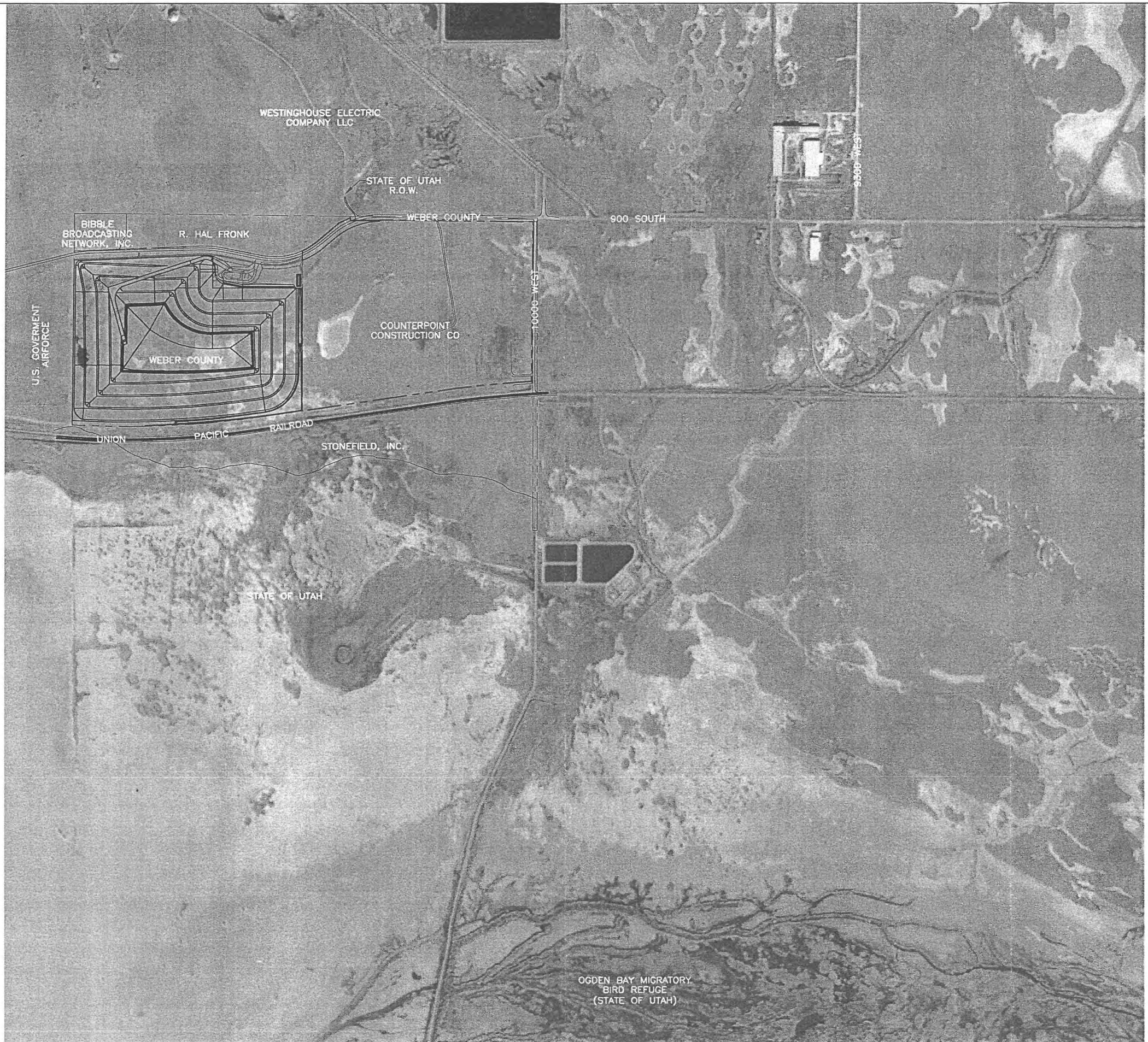
All runoff that comes into direct contact with waste will be completely contained within the landfill footprint by either placing a berm around a containment area on the landfill floor, or by placing a berm or excavating a containment pond area on the waste material. The capacity of all runoff containment facilities will be 0.136 acre-foot per acre of exposed waste as provided in the design engineering report in Exhibit A. This will provide sufficient capacity to contain runoff from the 100-year 24-hour precipitation event.

Potentially contaminated water contained within the landfill footprint will be used for dust control on the waste materials. Since evaporation far exceeds the potential precipitation rate, run-off water will be lost to evaporation from the containment areas and during dust control activities.

Since direct runoff from exposed waste areas will be contained within the landfill footprint, there will be no treatment and disposal associated with the run-off water. Therefore, there are no treatment and disposal systems proposed for review.

A Multi-Sector General Permit (MSGP) SWPP Plan is active for the site and addresses storm water discharges associated with industrial activities. The SWPP Plan is found in Exhibit D.

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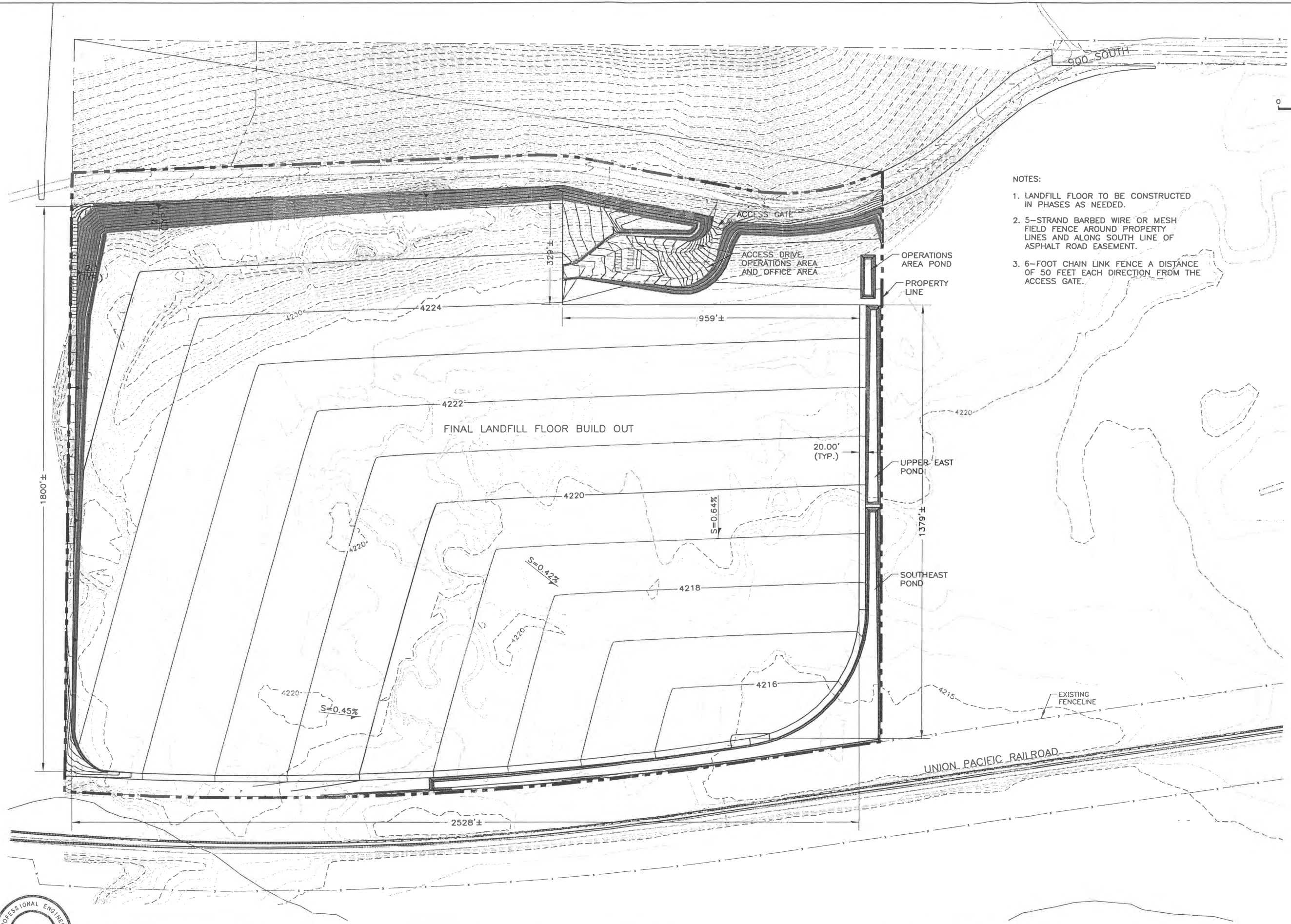
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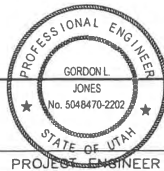
WEBER COUNTY

CLASS VI C&D LANDFILL PERMIT  
 CIVIL  
 VICINITY PLAN

SHEET  
 C-1  
 333.01.100



- NOTES:
1. LANDFILL FLOOR TO BE CONSTRUCTED IN PHASES AS NEEDED.
  2. 5-STRAND BARBED WIRE OR MESH FIELD FENCE AROUND PROPERTY LINES AND ALONG SOUTH LINE OF ASPHALT ROAD EASEMENT.
  3. 6-FOOT CHAIN LINK FENCE A DISTANCE OF 50 FEET EACH DIRECTION FROM THE ACCESS GATE.



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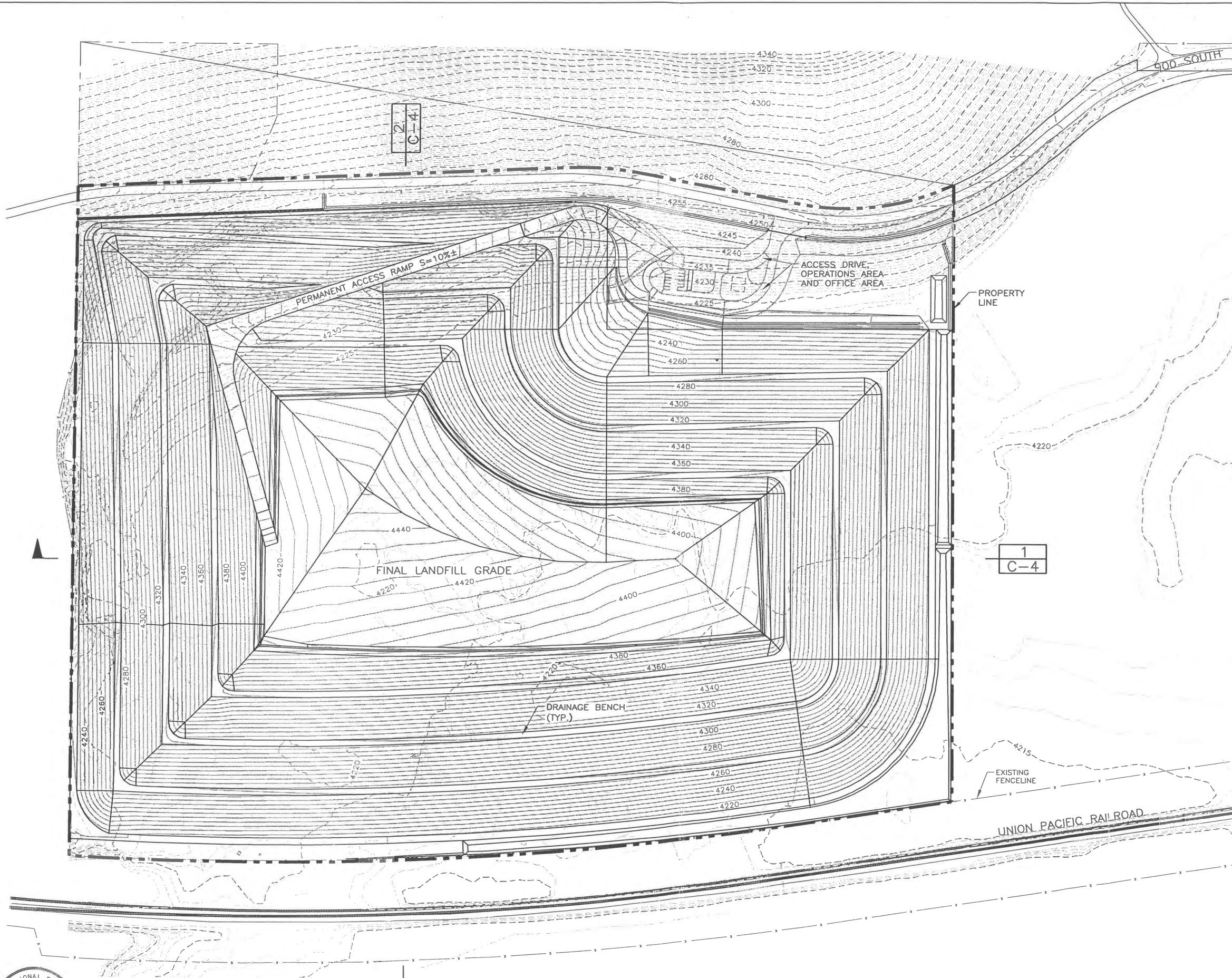
SCALE



WEBER COUNTY

CLASS VI C&D LANDFILL PERMIT  
CIVIL  
OVERALL SITE PLAN

SHEET  
C-2  
333.01.100



- NOTES:
1. EXISTING GROUND CONTOUR INTERVAL IS 1-FOOT.
  2. CLOSURE CONTOUR INTERVAL IS 5-FOET.



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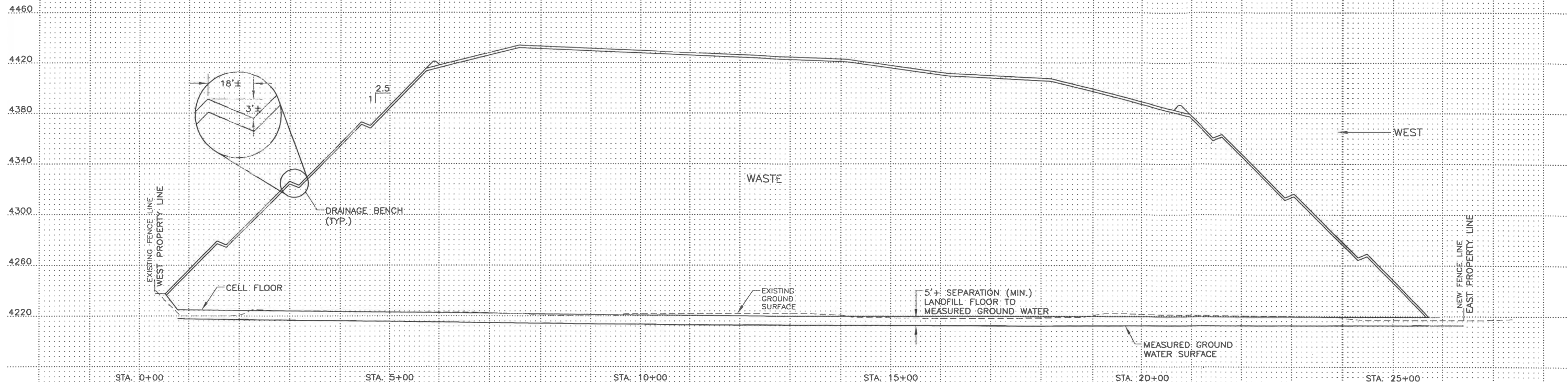
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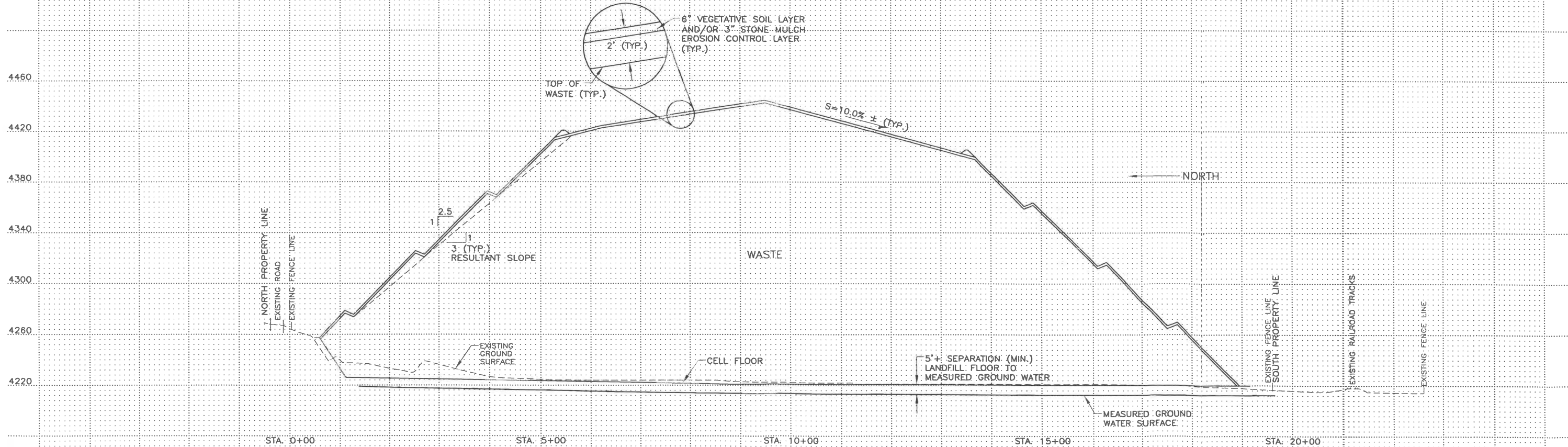
WEBER COUNTY

CLASS VI C&D LANDFILL PERMIT  
CIVIL  
EXISTING & FINAL CONTOUR PLAN

SHEET  
C-3  
333.01.100



EAST-WEST SECTION 1  
C-3



NORTH-SOUTH SECTION 2  
C-3

**HANSEN ALLEN & LUCE**  
ENGINEERS

PROFESSIONAL ENGINEER  
GORDON L. JONES  
No. 5048470-2202  
STATE OF UTAH

DESIGNED	GLJ	3	
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DATE	JANUARY 2011	NO.	DATE

REVISIONS		BY	APVD.

SCALE

WEBER COUNTY

CLASS VI C&D LANDFILL PERMIT  
CIVIL  
OVERALL LANDFILL SECTIONS



**Attachment 2**  
**Plan of Operations**

# Attachment 2 - Plan of Operations

## SECTION V

### PART II

#### I. FACILITY GENERAL INFORMATION

##### 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))**

The landfill is operated and managed by Moulding & Sons Landfill, LLC (Moulding & Sons) under contract with Weber County (Landfill Owner). Moulding & Sons is responsible to Weber County to operate and manage the landfill under the requirements and conditions of the landfill permits.

Construction to expand the landfill area will occur as needed during the life of the landfill. Documentation will be provided to the Utah Division of Waste Management and Radiation Control (DWMRC) to demonstrate that the floor grades achieved are at or above the design grades presented in the drawings. Disposal of non-inert waste materials (such as concrete, masonry, fill soils, etc.) in the newly constructed areas will only occur after approval to operate each completed area is provided by the Utah Division of Waste Management and Radiation Control (DWMRC). It is expected that general site grading for the landfill expansion will be ongoing to meet soil cover operational needs.

**Handling procedures for C & D Waste** will include checking in each truck load of waste material delivered to the landfill facility and either providing an estimated volume delivered with each load for conversion to tons received or by installation of scales and weighing each load of waste delivered. The conversion factor to be used will be 0.50 tons per cubic yards in accordance with R315-302-2(4)(c)(ii). Daily waste delivery records will be kept on a form similar to or containing similar information to the form contained in Exhibit C.

Trucks delivering inert waste consisting of concrete, masonry, non-contaminated soils, etc. will then be directed to either a location outside the landfill operational footprint for use as floor fill or operational cover materials, or to a location at or near the working waste disposal face. Equipment operators will then place the inert waste materials as floor fill, in stockpiles to be used later as fill or cover materials, or as cover materials as needed for litter and vector control. Slightly contaminated soils meeting the requirements established for Class VI wastes may be stockpiled in approved operational areas within the landfill footprint and used as waste cover materials.

Trucks delivering non-inert waste materials that cannot be used as clean fill or operational covers will be directed to the landfill waste pile working face. Equipment operators will then incorporate the waste materials into the working face or waste pile.

**Dead Animals** delivered to the site will be managed and disposed in a manner that will minimize odors and the attraction, harborage, and propagation of insects, rodents, birds or other animals. Dead animals will be disposed of: 1) At base of the active working face and buried immediately with a minimum of two feet of other waste; 2) in a separate trench specifically designated to receive dead animals and covered with at least 6 inches of earth at the end of the working day the carcasses are received. Disposal at the base of the active working face and covering the carcasses with at least 2 feet of waste is the preferred method of disposal. Trenches in which carcasses are disposed shall receive a minimum intermediate soil cover of 12 inches if delivery of additional carcasses is expected to exceed 30 days.

A 6-inch thick soil cover will be placed over wastes as required for litter and vector control, and to reduce the potential of fire hazard. A final 2-foot thick final cover will be placed above areas of the waste mound as final grades are obtained.

**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))**

The schedule of inspections and monitoring associated with the landfill facility to provide for proper operation and maintenance are provided in Table V-1

**TABLE V-1  
INSPECTION SCHEDULE**

Inspection Activity	Frequency
Access Road and Gate	Semi-Annual
Security Fences	Semi-Annual
Landfill Construction	At the time of each construction phase
Landfill Equipment	As recommended by Manufacturers
Storm Drainage Facilities	Quarterly
Final Closure Cover	Semi-Annual
Post Closure	Semi-Annual

**Contingency plans in the event of a fire or explosion (R315-302-2(2)(d))**

Fire hazard is reduced by soil cover materials placed on ignitable waste during waste handling and placement. In the event that fires do occur during operating hours, the burning material will first be covered with on-site or other available soil material. Small fires may be extinguished with fire extinguishers provided in the site vehicles, by using on-site water available from designated water sources, and/or by covering the fires with on-site or other available soils.

Upon notification of a fire that cannot be controlled using on-site equipment, a long blast (greater than 30 seconds) on a vehicle horn or on permanent site alarm equipment will be sounded and nonessential equipment will be shut down. All site personnel will assemble outside the landfill entrance and the Weber Fire District will be notified. All site personnel will be moved a safe distance from the area involved until the fire is safely controlled or extinguished. The telephone number and location of the nearest fire station will be displayed near telephones located in the site office.

Fires that occur during times that the landfill is closed will have additional time to spread and will,

therefore, be more difficult to get controlled. The landfill operator or manager may utilize site equipment to cover fires with soil and/or separate burning materials from the other waste materials and bury the burning materials with soil. Otherwise, the local fire department will be notified to assist in the efforts to control fires.

Explosive gases are expected to be minimal due to the type of waste received (mostly being relatively inert), the dry nature of the waste entering the landfill, and the dry climate and limited availability of moisture that can leach into the landfill waste.

**Plan to control fugitive dust generated from roads, construction, general operations, and covering the waste (R315-302-2(2)(g))**

Fugitive dust will be controlled by applying water, or by use of other dust treatment and control procedures, to roads and other exposed surfaces where fugitive dust generation becomes a nuisance. Fugitive dust and the control of fugitive dust will be routinely reviewed for compliance with Division of Air Quality regulations.

**Plan for litter control and collection (R315-302-2(2)(h))**

Litter will be controlled by fencing and using soil cover as needed. Although measures intended to control litter dispersal are effective, it is inevitable that litter collection will still be required. There will be periods of time when wind conditions are very calm and litter will not be problematic. However, there will be occasions when winds will occur that will scatter litter around the property and onto surrounding properties. When litter collection is necessary, the facility will hire laborers to pick up scattered litter around the facility property and surrounding properties.

**Procedures for excluding the receipt of prohibited hazardous or PCB containing waste (R315-302-2(2)(j))**

The landfill will be operated as a nonhazardous solid waste facility and will accept only waste defined in for Class VI landfill disposal. Landfill operators and waste handling personnel will also

be trained in identification and removal of hazardous and PCB containing wastes. If hazardous and PCB containing wastes are observed during delivery or disposal, these materials will be removed and arrangements will be made for their proper handling and disposal. The landfill manager will have ultimate authority and responsibility for decisions regarding acceptance or rejection of waste materials.

**Procedures for controlling disease vectors (R315-302-2(2)(k))**

Six inches of soil thickness will be placed over wastes materials that may attract vectors. Waste materials expected to attract vectors primarily include wet or green wastes, including yard wastes.

**A plan for alternative waste handling (R315-302-2(2)(l))**

In the event of an emergency, areas of the facility other than the active disposal areas may be used to receive waste (for disposal or temporary storage), but only if such areas are available. If no such areas are available during an emergency, waste receipt will be temporarily halted until such areas can be made available for disposal or storage and waste in transit will be directed elsewhere.

**A general training and safety plan for site operations (R315-302-2(2)(o))**

Employee health and safety, and maintaining environmental quality are important to Weber County and to Moulding & Sons in the operation of the facility. Each person employed at the landfill will be trained to have a working knowledge of basic health, safety, and emergency response procedures for the facility. Those employed to handle waste materials will be trained with basic maintenance and operational procedures to avoid endangerment of human health and safety, and to protect the quality of the environmental. Those employed to operate equipment will receive training for the proper operation, care, and maintenance of the equipment to which they are assigned.

A facility training program has been implemented through on-the-job supervision and training

and through formal classroom training by individuals qualified to provide the training. The facility training program will be directed by the facility manager, or a designated trainer. Initial training will be completed within the first two months of employment followed by annual reviews and by regular and special training meetings scheduled as needed.

**Any recycling programs planned at the facility (R315-303-4(6))**

Delivery of waste will primarily be from demolition and building contractors and is expected to have only limited use by the general public. General contractors will be encouraged to segregate recyclable materials at the job site and deliver the recyclable materials to individual recycling entities. The general public will be encouraged to deliver waste materials to the Weber County transfer station where recycling options are currently in place. Weber County also currently operates a recycling program for green and wood type wastes.

An area may be provided at the landfill facility immediately east of the operations area where recycling of wood or other wastes may occur. There are several entities in Weber County that provide recycling services for non-reinforced concrete materials. It is expected that recyclable concrete materials will be delivered to those entities.

**Any other site specific information pertaining to the plan of operation required by the Director of the Division of Waste Management and Radiation Control (R315-302-2(2)(o))**

The Director may issue by permit additional site specific requirements that will become a part of the facility operating plan.

**WEBER COUNTY C&D LANDFILL  
INSPECTION FORM**

Inspection Area	Compliant			Comments or Corrective Action
	Yes	No	NA	
<b>General</b>				
Litter Control				
Dust Control				
Equipment Maintenance (per manufacturer)				
<b>Quarterly</b>				
Storm Drainage Ditches, Pipes, and Ponds				
Storm Drainage Inlet / Outlet Structures				
Oil / Water Separators In-Place				
Equipment Staging Areas Clean				
Operations Area Clean				
Wash / Maintenance Areas				
<b>Semi-Annual</b>				
Perimeter Security Fences				
Access Road and Gate				
Debris Fences				
Fuel Storage Tanks				
<b>Annual</b>				
Final Closure Cover				
Erosion Control Vegetation / Covers				
Post-Closure				

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date





**Attachment 3**  
**Closure and Post-Closure Plan**

# Attachment 3 - Closure and Post-Closure Plans

## SECTION VIII

### PART II

#### II. FACILITY TECHNICAL INFORMATION

##### IId. CLOSURE REQUIREMENTS – ALL FACILITIES

###### **Closure Plan (R315-310-3(1)(h))**

Final closure activities will occur in phases as portions of the waste pile reach design elevations. It is expected that perimeter side slopes will be closed with each completed lift between perimeter benches. Notification will be provided to the Utah Division of Waste Management and Radiation Control (Director) of closure schedules 60 days prior to closing areas of the landfill. Closed areas will be seeded to promote new growth and minimize erosion.

###### **Closure Schedule (R315-310-4(2)(d)(i))**

Final closure activities at the landfill will commence within 30 days after final placement of waste and shall be completed within 180 days.

###### **Design of Final Cover (R315-310-4(2)(c)(iii))**

Design of the final cover system is provided in the permit design drawings in Exhibit A, Appendix 1.

###### **Capacity of Site in Volume and Tonnage (R315-310-4(2)(d)(ii))**

Site capacity is approximately 16 million cubic yards which is approximately 8 million tons using the conversion factor of 0.5 ton per cubic yard.

**Final Inspection by Regulatory Agencies (R315-310-4(2)(d)(iii))**

A final inspection will be scheduled with the regulatory agencies upon closure of any part of the facility and upon final closure of the facility. Certification will be provided by the owner and/or operator of the facility of any closed areas.

## SECTION IX

### PART II

#### II. FACILITY TECHNICAL INFORMATION

##### II. POST-CLOSURE REQUIREMENTS – ALL FACILITIES

###### **Post-Closure Plan (R315-310-3(1)(h))**

Post-closure care will include semi-annual inspections of the facility fences, storm drainage systems, areas of excessive settlement that may adversely affect storm drainage, and closure cover. A report will be generated for each inspection conducted during the post-closure care period. The report will include areas requiring repair and maintenance.

Post closure maintenance will include repairing fences and gates, cleaning and repair of storm drainage facilities, repair of places of excessive erosion, and re-seeding as required.

###### **Changes to Record of Title, Land Use, and Zoning Restrictions (R315-310-4(2)(e)(ii))**

Plats and a statement of fact concerning the location of the disposal site shall be recorded as part of the record of title with the country recorder within 60 days after certification of the final closure.

###### **Maintenance Activities to Maintain Cover and Run-on/Run-off Control Systems (R315-310-4(2)(e)(iii))**

Maintenance activities include repairing fences and gates, cleaning and repair of storm drainage facilities, repair of places of excessive erosion, and re-seeding as required based on findings during the semi-annual inspections.

**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))**

Contact information is provided below:

Weber County Solid Waste Recycling  
867 West Wilson Lane  
Ogden, Utah 84401  
801-399-8806

# **Statement of Basis for the Weber County Class VI Landfill Permit Renewal**

## **1. INTRODUCTION**

This Statement of Basis provides the rationale of the Director of the Division of Waste Management and Radiation Control (DWMRC) for issuing the renewal permit for the Weber County Class VI Landfill. The Director's staff conducted this evaluation to ensure compliance with the applicable Solid Waste Rules. Doug Taylor wrote this Statement of Basis.

## **2. FACILITY BACKGROUND**

### **a. Facility Location and History**

The facility is located at 10485 West 900 South, Ogden, Utah 84404, Weber County, Utah as shown in Figure 1.

### **b. Regulatory History**

The Weber County Class VI Landfill was originally permitted in 2011 as a Class IVb Landfill. On February 14, 2013, the Solid and Hazardous Waste Control Board approved the Landfill to be a Class VI landfill. Subsequently, on March 28, 2013, the Class IVb Landfill permit was terminated. In April of 2018, the landfill permit was modified to receive dead animals. This is the first renewal permit for the Class VI facility.

## **3. EVALUATION OF THE PERMIT APPLICATION**

a. The renewal permit application (DSHW-2021-001915) for the Facility was received February 4, 2021, at which time the evaluation of the renewal permit application was begun. The DWMRC deemed the renewal permit application to be complete by mid-March 2021 and a draft permit for the facility and completeness letter was sent by email to the permit applicant for review on April 8, 2021. The applicant responded by phone on April 14, 2021, and approved the draft renewal permit verbally. The 30-day public comment period began on April 28, 2021 and ended on May 27, 2021(DSHW-2021-007702).

## **4. JUSTIFICATION FOR ISSUING THE PERMIT**

a. The Director's staff has evaluated the renewal permit application as required by Section 19-6-108 of the Solid and Hazardous Waste Act and R315-301 through 320 of the Solid Waste Permitting and Management Rules.

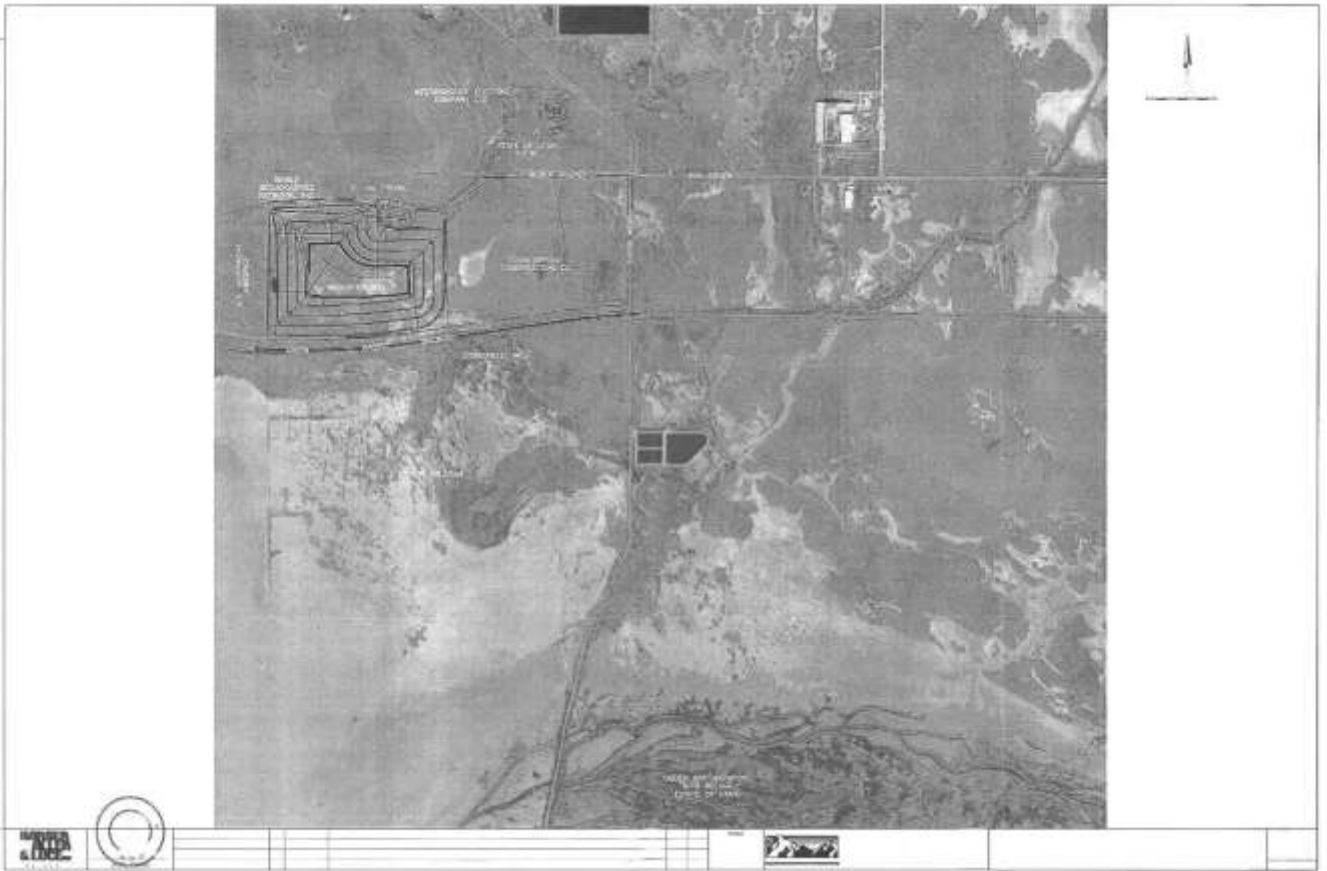
5. PUBLIC PARTICIPATION

- a. As required by Utah Administrative Code R315-311-3, the Director provided an initial 30-day public comment period on the draft renewal permit began April 28, 2021, and ended May 27, 2021 (DSHW-2021-007702).
- b. One comment was received during the comment period. The Directors response to the comment is found in Appendix A.

6. CONCLUSION

The Director has determined that the applicant has met all required items in the renewal permit application.

**Figure 1  
Weber County Class VI Landfill Location**





## **Appendix A**

### **Directors Response to the Public Comment**

**Public Comment:** The public commented about the nature of similar waste coming from Home Depot, Lowes and other commercial businesses who have approached the landfill about disposing of similar solid wastes that generally fit under the definition of C&D wastes defined in R315-101-2(17) (DSHW-2021-009101).

**Directors Response:** *The Director of the Division agrees that waste generated at a commercial business, such as Home Depot, Lowes, et al., that meets the definition of construction/demolition waste (it results from construction, remodeling, repair, abatement, rehabilitation, renovation, and demolition operations) should not be excluded from disposal at a C&D Landfill simply because of its genesis.*

*The Director clarified the prohibited waste permit condition I.C.8. as follows: **Except for C&D waste, as defined in R315-301-2(17) of the Utah Administrative Code, Commercial solid waste as defined in R315-301-2(14) of the Utah Administrative Code.** This condition now accommodates the Public Comment to allow the disposal of C&D wastes from supply businesses, et al. at the landfill.*