



IDAHO

DEPARTMENT OF ENVIRONMENTAL QUALITY

**ATTACHMENTS TO THE
HWMA RCRA STORAGE
PERMIT**

for the

**SAFETY-KLEEN
SYSTEMS, INC.**

BOISE

SERVICE CENTER

EPA ID No. IDD981770498

Effective Date: July 29, 2015

HWMA/RCRA STORAGE PERMIT
for the
SAFETY-KLEEN SYSTEMS, INC., BOISE SERVICE CENTER

EFFECTIVE DATE: JULY 29, 2015

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LIST OF ACRONYMS

Acronym	Meaning
ACGIH	American Conference of Governmental and Industrial Hygienists
ABS	Aqueous Brake Cleaner Solution
APW	Aqueous Parts Washer
AQ	Aqueous
AR	Safety-Kleen's Annual Waste Recharacterization Program
BGM	Safety-Kleen Branch General Manager/Service Center Manager/Facility Manager
BS&W	Bottom Sediment and Water
CESQG	Conditionally Exempt Small Quantity Generator
cf	Cubic Feet
CFR	Code of Federal Regulations
COC	Chain of Custody
COLIWASA	Composite Liquid Waste Sampler
CSA-1	Container Storage Area-1 (Permitted Warehouse Storage)
CSA-2	Container Storage Area-2 (Permitted Shed Storage)
EHS	Safety-Kleen's Environmental, Health & Safety Department
DC	Dry Cleaner
DEQ / ID DEQ	Idaho Department of Environmental Quality
EPA	Environmental Protection Agency
FEMA	Federal Emergency Management Agency
FIRM	Federal Flood Insurance Rate Map
FRS	Fluid Recovery Service, a subset of 10-Day transfer waste
Gal./Gl.	Gallon
GPM	Gallons per Minute (pump rate of fire suppression system)
GVW	Gross Vehicle Weight
HWMU	Hazardous Waste Management Unit
IC	Safety-Kleen Immersion Cleaner Solvent
IDAPA	Idaho Administrative Procedures Act
IDEQ	Idaho Department of Environmental Quality
IH	Industrial Hygiene
LEL	Lower Explosive Limit
MCL	Maximum Contaminant Level
MS	Mineral Spirits (includes Safety-Kleen Premium Solvent)
MSDS	Material Safety Data Sheet
MSS	Market Sales Specialist (Safety-Kleen branch employee)
NAICS	North American Industry Classification System
NFPA	National Fire Protection Association
OSHA	Occupational Safety and Health Administration
PERC/perc	Perchloroethylene/Tetrachloroethylene
POTW	Publicly Owned Treatment Works
PPE	Personal Protective Equipment
PSI	Pounds per Square Inch
R & F/RF	Safety-Kleen's Return and Fill Dock
RCRA	Resource Conservation and Recovery Act
S-K/ SK/SKS	Safety-Kleen Systems, Inc.
SSR	Sales/Service Representative (Safety-Kleen branch employee)

Acronym	Meaning
STI	Steel Tank Institute
SVOC	Semi-Volatile Organic Compounds
TCLP	Toxic Characteristic Leaching Procedure
TFS	Technical Field Services, a subset of 10-Day transfer waste
TLV	Threshold Limit Value
TSDf	Treatment Storage and Disposal Facility
UHCs	Underlying Hazardous Constituents
VOC	Volatile Organic Compound
WAP	Waste Analysis Plan / Waste Characteristics

TERMINOLOGY REFERENCE LIST

The following terms are used interchangeably in this document

- Safety-Kleen / Safety-Kleen Systems, Inc. SK / S-K / SKS
- Branch / Service Center / Facility
- Branch General Manager / Service Center Manager / Facility Manager
- Return and Fill / Return & Fill / R & F / Drum Washer / Wet Dumpster / Vat
- AR / Annual Waste Recharacterization Program

HWMA/RCRA STORAGE PERMIT
for the
SAFETY-KLEEN SYSTEMS, INC., BOISE SERVICE CENTER

ATTACHMENT 1 – FACILITY DESCRIPTION

Section A - General Information
Section B - Facility Description
Section D - Process Description
Section J - Solid Waste Management Units
RCRA Subtitle C Site Identification Form
Hazardous Waste Permit Information Form
Facility Drawing
Maps
Traffic Pattern
Photographs
Process Flow Diagrams
Facility Drawings and Plans
Equipment Information
Miscellaneous Unit Environmental Assessment

EFFECTIVE DATE: JULY 29, 2015

Section A Part A General Information Requirements

A-1 **270.13(a),(m)** ***Description of activities conducted which require facility to obtain a permit under the RCRA, and brief description of the nature of the business***

Safety-Kleen Systems, Inc. is an international service-oriented company whose customers are primarily engaged in automotive repair, industrial maintenance, and dry cleaning services. The company has been operating since 1968, offering solvent collection and reclamation services for its customers. Safety-Kleen is also a leading provider of parts washer solvents, used oil collection, containerized waste services, vacuum services, total project management, and other environmental services to a wide array of customers in the automotive, metalworking, manufacturing, and other end markets.

The Boise Service Center typically operates Monday through Friday from 6:00 AM to approximately 6:00 PM. The Service Center Manager (Branch General Manager) has the ultimate responsibility of the facility's operations. In the event of his/her absence, a qualified designate will assume the responsibility.

This facility is an accumulation point for many used materials generated by Safety-Kleen customers, the majority of whom are conditionally exempt small quantity generators (CESQGs). Wastes are ultimately transported to a Safety-Kleen recycling facility, an authorized disposal site or a contract reclaimer for processing.

The facility is a small and simple warehouse facility regarding its physical and operational needs. The facility is sited on 2.34 acres, and has the following structures:

- a. A 5,000 square foot warehouse with offices and a contained area for container storage (CSA-1).
- b. Three 12,000 gallons tanks in a concrete secondary containment dike. One tank is used for hazardous waste storage (Bulk Storage Tank), and one tank is used for product mineral spirits solvent. One tank was previously used for product mineral spirits storage, and is currently out of service.
- c. A secondarily contained solvent Return and Fill station with a wet dumpster/drum washer and loading dock.
- d. An enclosed 300 square foot metal shelter for the storage of containerized paint waste or excess used mineral spirit solvent (CSA-2).
- e. A tanker truck loading/unloading area with a lidded containment box around the fill pipes.
- f. A transfer waste area for holding transfer wastes for ten (10) days or less and for storage of non-regulated material that may include products for branch use or for sale/distribution to customers.

A-2, A-3 **270.13(b)-(g)** ***Name, Mailing Address, Location of Facility***
A-4, A-5

Facility Address: 6334 Supply Way
Boise, Idaho 83716-5532

Facility Telephone Number: 208/342-8882

US EPA Identification Number: IDD 981 770 498

Geographic Location: 43° 32' 38" N
116° 10' 54" W

Facility Owner: Safety-Kleen Systems, Inc.
2600 North Central Parkway, Suite 400
Richardson, Texas 75080
972/265-2000

Date of Purchase: October 31, 1990

NAICS Codes 562112, 484220, 484230, 532490

The facility is not located on Indian lands.

This facility is not a new facility. This is a revised application.

The Part A Application is included as Exhibit A-1.

A-6 **270.13(h)** ***Requirements For Existing Facilities***

A scale facility drawing is included as Exhibit A-2. Photographs of the facility are included in Exhibit A-1. There are no planned future treatment, storage, and disposal areas.

A-6 **270.13(i)(j)** ***Description of Processes to be Used for Treating, Storing, and Disposing of Hazardous Waste; Estimate on Quantity to Stored***
A-7

The facility has 3 storage areas, as described in the table following.

FACILITY TYPE: Storage in an aboveground tank (S02), a wet dumpster/drum washer (X99) and in containers (S01)

WASTE DESCRIPTION	EPA WASTE CODES	DESIGN CAPACITY ¹	ESTIMATED ANNUAL AMOUNT ²	STORAGE AREA
Used Parts Washer Solvent 150 Bulked	D001, D039 ⁴	12,000	250	Bulk Storage Tank (S02)
Used Parts Washer Solvent 150	D001, D039 ⁴	162	250	Wet Dumpster/Drum Washer (X99)
Used Parts Washer Solvent 150	D001, D039 ⁴	5,620 ³	Included Above ⁶	Container Storage Area 1 (S01)
Used Parts Washer Solvent 150	D001, D039 ⁴	2,700 ³	Included Above ⁶	Container Storage Area 2 (S01)
Dumpster Sediment/Sludge/Mud	D001 ⁴	5,620 ³	3	Container Storage Area 1 (S01)
Used Immersion Cleaner	D006 ⁵	Included Above	4	Container Storage Area 1 (S01)
Dry Cleaning Waste (Perchloroethylene)	D039, F002 ⁵	Included Above	6	Container Storage Area 1 (S01)
Paint Waste	F003, F005, D001 ⁴	Included Above	14	Container Storage Area 1 (S01)
Paint Waste	F003, F005, D001 ⁴	2,700 ³	Included Above	Container Storage Area 2 (S01)

¹ The design capacity in gallons (Note: The facility restricts the amount stored in the tank to 95% capacity approximately 11,400 gallons).

² The estimated annual amount in tons

³ The total amount of containerized waste stored in the CSA-1 will not exceed 5,620 gallons, and 2,700 gallons in CSA-2

⁴ In addition to the code(s) listed above, these codes may be applicable: D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043

⁵ In addition to the code(s) listed above, these codes may be applicable: D004, D005, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043

⁶ Drums of used parts washer solvent may be stored temporarily in CSA-1 or CSA-2 until added to the bulk solvent tank

A-8 270.13(k) *Listing of All Permits of Construction Approvals Received or Applied For*

0001-0098 – Permit to Construct an Air Pollution Emitting Source is included as Exhibit A-4.

270.13(l) *Topographic Map Extending One Mile Beyond Property Boundaries*

A topographic map showing 1-mile radius from the facility is included as Exhibit A-3.

Section B Facility Description

B-1 270.14(b)(1)

General Description

This facility is an accumulation point for many used materials generated by Safety-Kleen customers, the majority of whom are small quantity generators. Wastes are ultimately transported to a Safety-Kleen recycling facility or a contract reclaimer for processing. There is no onsite hazardous waste processing or disposal. There are no land disposal units, injection or withdrawal wells, surface impoundments, or waste piles at the facility.

The following Exhibits are included as examples of containerized wastes managed or transferred through the facility:

Exhibit D1-4 Example Container Process Flow at Boise Service Center (Note: there are waste streams managed at the facility as non-hazardous or transfer wastes. This is only to illustrate containers passing through the facility with no processing).

Exhibit D1-5 Example Paint Waste Process Flow at a Safety-Kleen Recycle Center or other permitted process facility or reclaimer

Exhibit D1-6 Example Immersion Cleaner Process Flow at a Safety-Kleen Recycle Center or other permitted process facility or reclaimer

Exhibit D1-7 Example Dry Cleaner Process Flow at a Safety-Kleen Recycle Center or other permitted process facility or reclaimer

The Boise Service Center began operations as a storage facility in October, 1990. The Boise Service Center is located in Ada County, about 1 mile west of the Gowen Road exit from I-84. The facility address is 6443 Supply Way and is located in the Boise Industrial Park. This area is zoned for light industrial activities. To the best of Safety-Kleen's knowledge, there are no easements or title, deed, or usage restrictions that may be in conflict with the operations at this site. There are no known drinking water wells, schools, parks, critical habits, or wetlands within ¼ mile of the facility.

Ada County covers approximately 600,000 acres, or 940 square miles. The County has a population of over 400,000 in 2011. Boise is the capital city of Idaho and its largest city. Several large industries are headquartered in Boise; however most of the area is agricultural. Major crops in Ada County include wheat, barley, oats, corn, hay, and potatoes. Cattle and sheep are also raised in the County.

The climate is characterized by cold, though not severe, winters and warm summers. The average temperature in the winter is 33°F and in summer is 71°F. The average annual precipitation at the Boise Municipal airport is 11.5 inches. Average seasonal snowfall is 23 inches. The prevailing winds in the immediate vicinity of the Service Center are from the southeast, though northwesterly winds prevail over most of the Ada County area.

Boise is located in the Idaho Batholith subdivision of the northern Rocky Mountain province; specifically, the City of Boise is located in the Boise River Valley. This area is characterized by a low to moderate gradient and three major alluvial terraces. All regional drainage is to the Boise River.

The Service Center is located on soils of the Elijah slit loam type. This moderately deep soil is well drained and is primarily alluvial in origin. The elevation at the Service Center is 2,940 feet above sea level and the slope in the area is 0 to 2 percent.

The City of Boise supplies the Service Center with water through a 12-inch line on Supply Way. The waste supply is obtained from the Boise River through a system of three dams upstream from the City. The water is subcontracted through United Water of Idaho which provides the majority of the water for this area from its Columbia Water Treatment Plant off of Hwy 21 on the Boise River east of the site. During low water times this water can be supplemented by water from any of their 91 wells including the closest one to the S-K site shown on Exhibit B-1 near elevation 2911, the JR Flat well. The City also maintains a sanitary sewer line through the industrial park. The Site Layout and Utility Plan is included as Exhibit B-6. Surface drainage is accomplished through drainage ditches located on Supply Way and Gowen Road.

270.14(b)(8)(i)

Description of procedures, structures or equipment used to prevent hazards in unloading operations.

The Boise Service Center was designed to facilitate the handling and storage of the wastes resulting from the services offered by Safety-Kleen. Proper handling of hazardous waste is ensured through proper training. Employees are trained on hazardous waste procedures during their initial training and then annually. Proper handling of hazardous waste is ensured through proper training and use of proper equipment. When practicable, containers will be moved with a forklift, pallet jack, or drum dolly.

It is Safety-Kleen's standard operating procedure to use containers made of or lined with materials that will not react with, and are otherwise compatible with, the hazardous waste to be stored, so that the ability of the container to contain the waste is not impaired. Safety-Kleen will store and transport any incompatible wastes in accordance with 49 CFR 177.848 (segregation of hazardous materials).

270.14(b)(8)(ii)

Description of procedures, structures or equipment used to prevent runoff from hazardous waste handling areas or to prevent flooding.

Containers of waste are off-loaded from route trucks into enclosed storage areas. The containers are stored in an enclosed warehouse, and not subject to run on or run off. Tank storage is in a diked tank farm. The diking prevents run on and runoff. The containment system is constructed to contain the anticipated collection from a 24-hour, 25-year storm. Drums of used mineral spirits solvent are emptied in the Return and Fill which is contained so that any material splashed, dripped, or spilled will not runoff.

The tank farm containment area is designed and operated to remove accumulated liquids through a sump located in the containment dike. Accumulated precipitation in the secondary containment

system will be removed in a timely basis after detection. A visual inspection of the storm water for a sheen and discoloration will be conducted. If no sheen or discoloration is noted, the accumulated precipitation will be discharged from the tank farm to the surface of the facility. If a sheen is noted, the precipitation will be pumped into an onsite storage tank for offsite management. If a solvent spill occurs within the containment dike, the spilled material will be completely removed. Should a spill occur and there is water present, a waste determination shall be made the material will be managed appropriately. Accumulated liquids will be removed by use of an intrinsically-safe sump, which must be placed into the sump, or via vacuum truck. An automatic pump is not present in the tank farm.

The operational non-building areas of the facility are paved with asphalt, concrete or gravel.

270.14(b)(8)(iii)

Description of procedures, structures or equipment used to prevent contamination of water supplies.

The Boise Service Center is operated in a manner that is protective of water supplies. Containers of waste are stored in enclosed storage areas and the transfer of parts washer solvent to the bulk storage tank is conducted over secondary containment. Bulk storage tanks are located within a diked tank farm that has adequate containment capacity. The facility is maintained to prevent waste materials migrating to the environment.

270.14(b)(8)(iv)

Description of procedures, structures or equipment used to mitigate effects of equipment failure or power outages.

A power failure would not result in a spill. Should a power failure occur, all activities requiring electricity will cease. The transfer pump used to pump the used solvent into the storage tank is electric and will fail during a power outage. No liquid can back flow from the tank because the fill line has a check valve at the tank. Since the tank is not pressurized, the lines will be in a stable state until the power is restored and the pump is restarted. The high level alarm on the tank requires electricity to operate. However, the only way used solvent can be transferred into the storage tank is via the transfer pump and the pump will not be operable during a power outage.

The transfer pumps used to pump clean solvent into the storage tanks, or remove used solvent from the tank are located on the transport vehicles so a power failure will not have any effect on removal of material from the tank.

270.14(b)(8)(v)

Description of procedures, structures or equipment used to prevent undue exposure of personnel.

All Safety-Kleen employees receive extensive training on recognizing hazards in the workplace and how to avoid or best manage them. Safety-Kleen's Health and Safety department completes hazard assessments for all branch activities and issues a Personal Protection Equipment Matrix that all employees are required to follow. An example PPE Matrix is included as Exhibit F-6. There is an emergency eyewash/shower located in the warehouse. There is a standard shower located in the office area that can be used to decontaminate in the event of accidental contact with contaminants and end-of-day decontamination.

Exhibit B-4 is a wind rose plot for the Boise Municipal Airport located approximately 2 miles northwest of the site.

B-2a 270.14(b)(19)(vii) Legal Boundaries

Legal boundaries of the hazardous waste facility are shown in the topographic map, Exhibit B-1.

B-2a 270.14(b)(19)(viii) Access Control

The operational areas of the facility are secured by a chain link fence topped with barbed wire. There are 3 gates to facilitate vehicle traffic and 1 gate for entry by employees. These gates are locked during non-operational times. Access control (fence and gates) is shown in Exhibit A-2.

B-2a 270.14(b)(19)(ix) Injection and Withdrawal Wells (On Site and Off Site)

There are no injection or withdrawal wells on site or off site. Therefore, this section does not apply.

B-2a 270.14(b)(19)(x) Buildings and Other Structures

The facility is a small and simple warehouse facility regarding its physical and operational needs. The facility consists of the following structures:

- One building with office and warehouse space which includes a container storage area (CSA-1). The building consists of painted metal wall panels, metal roof panel and structural steel support frames on a concrete pad. Interior walls are painted gypsum wallboard, with a drop ceiling in the office and sealed insulation in the warehouse areas. The building is approximately 50' x 96' with the office on the far West side and a 36' by 48' partially open metal panel and structural steel shed on the east side used for product storage and transfer waste. This area is used to hold transfer waste (not RCRA permitted) and non-regulated material, such as clean product, used oil filters, oil debris, and RCRA empty containers (list is not exclusive but is representative of what may be stored in this area). The floor plan for this building is included as Exhibit B-5.
- One tank farm with three bulk storage tanks: one 12,000 gallon tank is used for the storage of used parts cleaner solvent, one tank is used for the storage of clean parts washer solvent (Safety-Kleen 150 Flash Premium Solvent), and one tank is currently unused. Past usage of the unused tank was for storage of product parts washer solvent only (Safety-Kleen's 105 Flash Solvent/Mineral spirits), at no time has this store hazardous waste. See Section D (Process Information-Tanks) for additional information.
- One loading dock with a solvent return and fill station. This building is a shelter with 3 metal walls and a metal roof including an overhang, with the front side left open. There is an elevated grated dock floor underlain with containment pans. There is a wet dumpster (vat) containing a drum washer. A diagram of the shelter is included as Exhibit B-7 diagram of the shelter and the concrete base is included as Exhibit B-8.
- One enclosed shelter used for container storage. This building is a shelter with 3 metal walls and a metal roof. There are rollup overhead doors on the 4th side to provide access. There is an

elevated grated dock floor underlain with containment pans. A diagram of the shelter is included as Exhibit B-9. A diagram of the shelter and the concrete base is included as Exhibit B-10.

B-2a 270.14(b)(19)(xi) Drainage and Flood Control Barriers

There is a rain water containment pond is in the northeast corner of the site. The floor consists of a 7" thick concrete pad poured over gravel and a compacted soil base. The containment is roughly rectangular with an east-west dimension of 110' and a north-south dimension of 60'. The slope of the concrete falls at approximately 10-1 ratio, with the base of the containment 4'2" below the top of the containment. At the low point there is a 2' deep dry sump to help pump the area out. Clean rain water is pumped to the east side of the site's paved area through piping, then down to the south end where it is discharged into a gravel lined area just south of the fence line. Details of the area are included as Exhibit B-13. Note this is an as-built diagram; drainage lines have been updated, reference Exhibit A-2.

B-2a 270.14(b)(19)(xii) Location of the Treatment of Disposal Units and Decontamination Areas

There are no onsite treatment or disposal areas. Therefore, this section does not apply.

**B-2b 270.14(c)(2),
270.14(c)(3)
270.14(c)(4)
264.95/264.97 Additional information on the Topographic Map for Land Disposal Facilities**

This facility does not land dispose of any wastes. Therefore, these sections do not apply.

**B-3 270.14(b)11,
264.18 Facility Location Information**

These sections apply to proposed or new facility construction. Therefore, these sections do not apply.

**B-3a 270.14(b)11(i),(ii)
264.18(a) Seismic Requirements**

These sections apply to proposed or new facility construction. Therefore, these sections do not apply.

**B-3b 270.14(b)(iii)(iv)
264.18(b) Flood Plain Requirements**

Refer to Section B-2. The facility is not located is not with a floodplain. Therefore, these sections do not apply.

**B-3b(1) 270.14(b)(iv), (v)
B-3b(1)(a) 264.18(b)(ii) Flood Plain Requirements**

Refer to Section B-2. The facility is not located is not with a floodplain. Therefore, these sections do not apply.

B-4 270.14(b)(10) Traffic Patterns

Primary access to Safety-Kleen's Boise facility is from Interstate I-84 to Gowen Road west, to Supply Way south. The distance from the interstate to the facility is approximately 1 mile. All vehicle traffic enters from Supply Way. Gowen Road has a daily traffic volume of 7,767 vehicles, the large portion are trucks. According to Ada County road engineering, Gowen Road was designed and built to sustain a load of over 78,000 pound per axle weight. The access road was designed in accordance with engineering criteria appropriate for sustaining the traffic volume and loading for the industrial activities in this area. The trucks that travel the routes between the facility and its customers use the two-lane approach driveway.

The Service Center currently has 3 box trucks and 2 bulk tank trucks based at the facility. The number of route vehicles may vary due to business needs. Traffic generated by Safety-Kleen's operations does not have a major impact on the traffic volume of adjacent and nearby roadways, or the routes the trucks travel.

The facility's hazardous waste collection vehicles that deliver wastes daily to the Service Center are completely enclosed cargo-box straight trucks with a GVW of 33,000 pounds. The bulk trucks are used to collect used oils and non-hazardous industrial and commercial wastes.

Waste containers will be transported from the Service Center in completely enclosed box trailers. The facility is serviced by 18-wheel, 5-axle tractor-trailers with a maximum load of 80,000 pounds, with 13,000/pounds per axle attributed to the steering axle (axle 1); approximately 34,000 pounds maximum gross weight between axles 2 and 3; and 34,000 pounds maximum gross weight between axles 3 and 4. The tractor/trailer is generally dispatched to the Service Center one time per week.

Bulk tractor/tankers are dispatched from a Recycle Center approximately every 20 working days to deliver the clean solvent and pick up used bulk solvent. These transfer activities are conducted at the aboveground tank area. These trucks have a maximum GVW of 80,000 pounds. The size of the vehicles used to transport waste to and from the facility may vary from what is described; however, the cargo-carrying portion of the vehicle will always be a completely enclosed box-type cargo truck or bulk tanker.

Due to the low-volume of vehicles entering and leaving the facility, there are no onsite traffic control signs or signals; nor are stacking lanes necessary on either Supply Way or Gowen Road. Area traffic patterns are included as Exhibit B-11, and Site Traffic Patterns are included as Exhibit B-12.

Section D Process Information – Containers

Safety-Kleen receives hazardous and non-hazardous wastes at the facility. The drums of used parts washer solvent (mineral spirits) are unloaded at the Return and Fill dock. These drums are emptied into the used solvent tank via the drum washer (vat). All other waste drums are stored in the transfer waste storage area, or in one of the permitted waste storage areas. The drums are not opened or transferred into other containers while onsite.

D-1a 40 CFR 270.15; Containers with Free Liquids
264.175(a),(b)

The floor, curbing and collection trench for the warehouse container storage area (CSA-1) are made of steel reinforced concrete and the concrete has been poured so that no cracks or gaps exist between them. The concrete contains spills, leaks, or accumulated precipitation until the material can be detected and removed.

The permitted use of the CSA-1 in the Service Center warehouse is for the storage of (1) sediment from cleaning the drum washer/dumpsters in the return and fill station; (2) solid/liquid debris generated by Service Center operations and activities; (3) used immersion cleaner; (4) dry cleaning wastes; and (5) paint wastes. Other non-hazardous materials or non-regulated wastes, and Safety-Kleen products may also be stored in this area provided the materials are compatible. No more than 5,620 gallons of hazardous and non-hazardous waste will be stored in the CSA-1 at any time. This volume is based on 10 times total available containment. The secondary containment calculations are included as Exhibit D1-1.

The permitted use of the CSA-2 (the metal shed) is for the storage of (1) paint wastes; and (2) used parts washer solvent. Safety-Kleen products may also be stored in this area provided the materials are compatible. No more than 2,700 gallons will be stored in the CSA-2 at any time. This volume is based on; 5 x 30 gal. containers x 9 pallets x 2 high. The secondary containment calculations are included as Exhibit D1-2.

D-1a(1) 40 CFR 270.14(b)(1); Description of Containers
264.171, 172

Containers stored CSA-1 and CSA-2 range from 5 gallon capacity to 55 gallon capacity. Containers stored are typically provided to the waste generators by Safety-Kleen. A table detailing the waste containers provided is included as Exhibit D1-3. While the type of container listed on this table associates to the line-of-business, the containers are DOT approved and may be used for other waste streams as needed. Safety-Kleen customers may package wastes in containers not provided by Safety-Kleen. These containers will be inspected prior to pickup to ensure proper DOT rating. Contents of each waste container are verified by the waste marker (label) that is affixed to each container.

Safety-Kleen Systems has a Special Permit issued by the U.S. Department of Transportation-Pipeline and Hazardous Materials Safety Administration that allows re-use of specification

drums for transportation without being subjected to the leakproofness testing of 49 CFR 173.28(b)(2). Each drum is inspected for leakage before filling/refilling and shipment. This Special Permit applies to the following drums listed on the table in Exhibit D1-3: Safety-Kleen part numbers 13348,3348,13349, 3349, 3395, and 3399. These drums are reused at facility for the mineral spirits parts washer services.

**D-1a(2) 40 CFR 270.14(a); Container Management
264.173**

With the exception of used parts washer solvent drums, waste drums managed at the facility are not opened, unless it is necessary to obtain a sample of the contents. Containers are handled to prevent rupture or leaking. Proper handling of hazardous waste is ensured through proper training. Employees are trained on hazardous waste procedures during their initial training and then annually thereafter, or as needed. When feasible, containers are moved using mechanical means such as drum carts, dollies, or fork trucks. Safety-Kleen employees inspect each waste drum prior to transporting from the customers' location. In the event a container is found to be damaged, leaking, or not in good condition while in storage at the facility, it will be placed into an appropriate salvage container. The salvage container will be properly labeled and the entire packaging will be transported offsite as per normal waste management protocols. When containers are being prepared for shipment, they will be moved with material handling equipment and/or palletized to maneuver and stack containers. Plastic wrap, banding or other means may be used to secure containers to pallets when loading onto the outbound vehicle.

Adequate aisle space (typically 2 feet) will be maintained in the CSA-1 and the CSA-2. Containers will be stored on pallets in the CSA-1. Containers in CSA-2 are stored on grates, and if feasible, may be stored on pallets. Storage on pallets or the grating will keep containers from contact with any standing liquids. If containers 15 gallons or larger are stacked, a pallet will separate the layers. The maximum number of containers stored per pallet layer is: 24-5 gallon containers; 9-15 gallon containers, 5-30 gallon containers, and 4-55 gallon containers. Containers of hazardous waste will be stacked no more than two pallets high to ensure stability and safe material handling. The storage height of a double-stacked configuration is approximately 6'6". An example pallet layout is included as Exhibit B-5.

The maximum total waste storage in CSA-1 is 5,620 gallons. There is more pallet space than permitted storage if all 55-gallon drums are stored in the area. This will be managed administratively by requiring a daily total count of waste in the area and verifying that it does not exceed the maximum allowed storage volume. The inspection form for CSA-1 shall verify the actual storage volume is within the permitted allowable volume. See example CSA Inspection form in Exhibit F-1.

Precautions when handling ignitable wastes are described in Section F-5a.

**D-1a(3) 40 CFR 270.15(a)(1); Secondary Container System Design and Operation
264.175(a),(d)**

The secondary containment of CSA-1 is in the form of a nominally 5.5 W" x 4 H" high steel reinforced concrete curb with 2 collection trenches. One trench is approximately 11.25"W X 12"D X 41.75" L with a capacity of 24 gallons; and the other trench is approximately 1.75'W X 3.5'D X 11.95'L with a total capacity of 538 gallons.

The secondary containment of CSA-2 is in the form of 6 interconnected metal pans with an overall dimension of approximately 16.87' x 18.95' x 0.479' with a capacity of 1,100 gallons.

The secondary containment systems are passive systems. The systems are designed so that any released liquids are accumulated and contained by the curbing or trenches in CSA-1, or containment pans in CSA-2. There are no pumps in the trenches.

**D-1a(3)(a) 40 CFR 270.15; Requirement for the Base or Liner to Contain Liquids
264.175(b)(1)**

The base in CSA-1 is steel-reinforced concrete. The concrete is sealed with a coating that is compatible with all materials stored in this area. An example spec sheet for this coating is included as D1-8. This example coating conforms to MPI (Master Painters Institute) #77. http://www.specifypaint.com/APL/paintinfo_APL/MpiNumber.asp?ID=77000. A repair plan is included in Exhibit D1-9.

MPI # 77 Epoxy, Gloss A solvent based, gloss, two component, epoxy coating specified for wall and floor surfaces in moderate to heavy traffic commercial and moderate industrial environments. Must be resistant to incidental splash and spillage of dilute (5%) sulfuric acid, (15%) hydrochloric acid, (20%) sodium hydroxide, gasoline and heavy duty cleaners and detergents. Used as a self-priming material on smooth, low porosity concrete, masonry and wood surfaces.

The floor of CSA-1 is not sloped to the containment trenches. For this reason, the waste containers are stored on pallets in this area. This will prevent contact of the drums with any released material. The concrete will contain accumulated spills or leaks until the material can be detected and removed.

The CSA-2 roof and 3 sides are constructed of sheet metal, and overhead doors complete the building. The containers are stored on elevated grating with containment pans underneath. The containment pans lie on top of the concrete which makes up the pad poured throughout the yard area. Containers may be stored on pallets in this area to facilitate movement. The pans are constructed of galvanized steel and may be coated with an epoxy like paint to improve rust resistance. There are no sumps in this area. The pans will contain accumulated spills or leaks until the material can be detected and removed.

The container storage areas and containment systems are inspected each operating day. Any accumulated debris or liquids will be removed upon detection. The debris will be evaluated and properly disposed of. If deterioration or damage is noted to the containment systems in either storage area, this will be documented on the inspection record and repairs will be initiated.

D-1a(3)(b) 40 CFR 270.15(a)(2); Containment System Drainage
264.175(b)(2)

See D-1a and D-1a(3) above for narrative description

D-1a(3)(c) 40 CFR 270.15(a)(3); Containment System Capacity
264.175(b)(3)

The total secondary containment capacity of the CSA-1 is 562 gallons. The total secondary containment capacity of the CSA-2 is 1,100 gallons.

D-1a(3)(d) 40 CFR 270.15(a)(4); Control of Run-on
264.175(b)(4)

The CSA-1 is located in an enclosed warehouse, so run-on would not accumulate in this area. The exterior entrance door is elevated approximately 2 inches above grade, and this door remains closed unless materials or employees are moving into or out of the area.

The CSA-2 has containment pans approximately 6 inches high, so run-on would not accumulate in this area. The front sections of the containment pans are covered with metal plates to minimize accumulation of precipitation. In addition, construction details indicate the grade surrounding CSA-2 was swaled away from the shed to prevent surface run-off from accumulating in the area.

D-1a(3)(e) 40 CFR 270.15(a)(5); Removal of Liquids from Containment System
264.175(b)(5)

The storage areas and containment systems are inspected each operating day. All accumulated liquids will be identified and removed within 24 hours of detection to prevent overflow. All containers are marked with a proper DOT shipping description, generator information, and manifest reference. If there has been a release that has accumulated, it will be easily identified by locating the leaking container. The leaking container would be placed in a DOT-approved salvage container. Due to the size of containers stored in the CSA-1 and CSA-2, absorbents such as socks or pads would be used to clean up the spill. This waste would be placed into the salvage drum (along with the original shipping container) and shipped off-site for disposal.

D-1b(1) 40 CFR 270.15(b)(1); Test for Free Liquids

All containers stored in the CSA-1 and CSA-2 are assumed to contain free liquids so will be stored on pallets or grates. Therefore, this requirement does not apply.

D-1b(2) 40 CFR 270.14(a); Description of Containers
264.174; 264.172

See D-1a(1) above.

D-1b(3) 40 CFR 270.14(a) Container Management Practices
264.173

See D-1a(2) above.

**D-1b(4) 40 CFR 270.15(b)(2); Container Storage Area Drainage
264.175(c)**

See D-1a(3) above.

The following Process Flow Exhibits are included as examples of containerized wastes managed or transferred through the facility:

Exhibit D1-4 Example Container Process Flow at Boise Service Center (Note: there are waste streams managed at the facility as non-hazardous or transfer wastes. This is only to illustrate containers passing through the facility with no processing). This diagram contains a reference to an Accumulation Center. This is a Safety-Kleen transportation hub that facilitates delivery of product to a Service Center, such as Boise, and picks up a load of waste drums that will be transported to a Recycle Center or other process facility.

Exhibit D1-5 Example Paint Waste Process Flow at a Safety-Kleen Recycle Center or other permitted process facility or reclaimer

Exhibit D1-6 Example Immersion Cleaner Process Flow at a Safety-Kleen Recycle Center or other permitted process facility or reclaimer

Exhibit D1-7 Example Dry Cleaner Process Flow at a Safety-Kleen Recycle Center or other permitted process facility or reclaimer

Section D Process Information - Tanks

The Boise Service Center has one bulk tank for the storage of hazardous waste. A description of the tank system follows.

D-2a **40 CFR 270.14(b)(1)** **Tank Systems Descriptions**
D-2a(1) **270.16(b)** **Dimensions and Capacity of Each Tank**

The used mineral spirits tank is a 12,000 gallon non-pressurized aboveground storage tank. It is constructed of 3/16" thick (1/2" thick in the lower three-quarters of the tank) carbon steel with a fixed roof and is 10'6" diameter and 18'6" high. The tank is painted a light color to reflect sunlight. The tank is constructed in accordance with Underwriters Laboratories Standard 142, and is located more than 20 feet from the property line (reference Exhibit F-8) in accordance with National Fire Protection buffer zone requirements. Tank fabrication details are included as Exhibit D2-1. A tank gauging chart is included as Exhibit D2-3. There are no stairs, walkways, or catwalks associated with this tank. There have been no field modifications to the tank.

D-2a(2) **40 CFR 270.16(c);** **Description of feed systems, safety cutoff, bypass systems, and**
 264.194(194(b)) **pressure controls**

Used parts washer solvent is returned to the Service Center in containers that can range in size from 5 to 55 gallons. Once at the branch, the transport vehicle will back up to the unloading dock area that includes the elevated Return and Fill/drum washer area (R & F) and grating, underlain by secondary containment pans. The containment consists of 6 interconnected carbon steel pans with capacity of approximately 973 gallons. The containment calculations are included in Exhibit D2-11. The parts cleaner solvent managed in this area is compatible with the carbon steel structure. In fact, the parts cleaner solvent is often used as a light hydrocarbon coating to prevent rusting of metal parts.

Containers are unloaded onto the R & F for emptying. Emptying a container requires the operator to open the lid of the drum washer unit and individually pour each drum of used parts washer solvent into it. The drum washer consists of a vat with a capacity of approximately 162 gallons. The unit contains a drum washer used to remove any solids that may have accumulated on the interior of the container. The drum washer uses solvent previously removed from the container by recirculating the solvent through a low-pressure spray to clean the interior of the drum. Revolving brushes clean the exterior of the drum. A photograph of the unit is located in Section A (Part A) photo 12.19.2, During container processing, the solvent level in the drum washer is closely monitored and once solvent accumulates to a certain level, it is pumped automatically via float switch activation to the used solvent tank. The pump can also be manually operated.

After a container has been emptied and washed, it is allowed to drain on a rack inside the drum washer. After draining, it is staged in the vicinity to be refilled with clean parts washer solvent, or will be placed into storage for future use.

Following the emptying of all containers of used parts washer solvent in a shipment, the operator will pump any solvent remaining in the drum washer unit to the lowest possible level (about 2 inches) and close the lid until the next shipment arrives. This practice is repeated until all daily shipments are received. At the end of the operating day, the drum washer is pumped to the lowest possible level and cleaned to be ready for the next day's use. All solids collected from the reservoir of the drum washer are containerized and managed as site-generated hazardous waste. Used parts washer solvent stored in the RCRA permitted tank is regularly transported to a Safety-Kleen Recycle Center or other reclamation site where it is recycled into clean product for redistribution.

All drums of solvent are manually emptied into the drum washer; this is pumped through hard-pipes from the drum washer receptacle located in the R & F dock to the storage tank. Movement of used solvent into the tank can be halted simply by discontinuing the drum emptying process. The tank system is equipped with a high level alarm which indicates when the tank is 95% full. If the level in the tank is 95% of capacity, the float activates a switch that activates both a visual strobe light located at the tank, and audible (siren) alarm. The Return and Fill dock is located adjacent to the tank and alarms so the employee emptying drums would be alerted to the detected 95% capacity. Simultaneously, the transfer pump is disabled so the tank will not overflow. The pump cannot be restarted until the level of solvent in the tank is below 95% capacity. The high level alarm is inspected daily for proper functioning of electrical and mechanical components.

Product solvent is pumped from the storage tank by a 1 ½ horsepower Marlow pump located in the tank farm containment. Pump information is included as Exhibit D2-17. The product solvent is dispensed through a hose/nozzle configuration typical of what is utilized at fuel/gas stations. The nozzles are calibrated to click off when the solvent reaches a predetermined level in the drums. Reference Exhibit D2-11 for schematic of the fill station. This is a manned operation, so there is little risk of overfilling of the product drum if the nozzle fails to click off automatically.

There is another Marlow pump located within the R & F structure (beneath the grating; above the secondary containment pans) that moves the used solvent placed into the drum washer/wet dumpster to the used solvent tank in the adjacent tank farm. There is a control panel for all pumps associated with the tank farm and R & F are located inside the warehouse. The warehouse area is accessible only by Safety-Kleen personnel. The pumps are energized only when the power is turned on at the panel. The pumps are not activated unless parts washer solvent is being added to the used solvent tank or being pumped from the product solvent tank.

Product solvent is delivered by bulk tanker with typically a 6,000 gallon capacity. The same vehicle transports a load of used solvent. The driver of the transport vehicle conducts product and waste transfer. The vehicle parks on a concrete loading pad adjacent to the tank farm. Prior to transferring product into the tank, the driver verifies there is adequate tank capacity for the entire load scheduled for delivery. The driver places a bucket to capture any drips that may occur when connecting and disconnecting the delivery hoses on the tanker. Any drips that may occur when connecting and disconnecting the delivery hoses to the tank piping are captured in

a containment box surrounding the inlets and outlets. After the driver delivers the load of clean product, he/she determines available capacity in the tanker. The transfer hose is connected to the exit line on the used solvent pipe and the used solvent is transferred into the tanker. The transfer operations are monitored at all times by the driver. To eliminate the risk of a static charge during transfer operations, the tanker is grounded and bonded

There are no bypass systems.

The tank is equipped with a pressure/vacuum vent that operates at two ounces of pressure and one ounce of vacuum. The specific gravity of the hydrocarbon-based parts washer solvent is approximately 0.8 and the vapor pressure is less than 2mm at 68°F.

<i>Product Name</i>	<i>Vapor Pressure at 68° F (20°C)</i>				<i>Vapor Pressure at 100° F (38°C)</i>			
	<i>mm-Hg</i>	<i>psia</i>	<i>kPa</i>	<i>atm</i>	<i>mm-Hg</i>	<i>psia</i>	<i>kPa</i>	<i>atm</i>
Premium Gold/150	0.2	0.004	0.027	0.0003	0.6	0.012	0.08	0.001

D-2a(3) 40 CFR 270.16(d) Diagram of Piping, Instrumentation, and Process Flow

Reference Exhibits D2-4, D2-9.

Tank system diagrams are included as:

- Exhibit D2-1 Tank Fabrication
- Exhibit D2-2 Tank System Installation Assessment
- Exhibit D2-3 Tank Gauging Chart
- Exhibit D2-4 Tank Farm and Return & Fill Piping Plan
- Exhibit D2-5 Tank Farm Diagram with Containment Calculations
- Exhibit D2-6 Tank Farm Concrete Details
- Exhibit D2-7 Concrete Tank Farm Plan
- Exhibit D2-8 High Level Alarm System Diagram
- Exhibit D2-9 Used Solvent Process Diagram
- Exhibit D2-10 Used Solvent Process Diagram for Recycle Center

Return and Fill diagrams:

Exhibit D2-11	Return and Fill Layout
Exhibit D2-12	Concrete Slab Detail
Exhibit D2-13	Drum Washer Isometric
Exhibit D2-14	Drum Washer-Roll Up Door Assembly
Exhibit D2-15	Drum Washer (vat) Capacity Calculations
Exhibit D2-16	ChemTec Spec Sheet
Exhibit D2-17	Marlow Pump Spec Sheets

D-2a(4) 40 CFR 270.16(j); Ignitable, Reactive, and Incompatible Wastes
264.17(b); 264.198, 199

The facility does not receive nor treat any reactive or incompatible waste. Ignitable waste is not treated, rendered, or mixed before or immediately after placement into the tank system so that the resulting waste, mixture, or dissolved material no longer meets the definition of ignitable.

The tank is equipped with a pressure/vacuum vent which operates at two ounces of pressure and one ounce of vacuum. The tank is further equipped with a dedicated, secondary containment system. The specific gravity of the hydrocarbon-based parts washer solvents is approximately 0.8 and the vapor pressure is less than 2mm at 68 degrees F.

The ignitable waste is stored in such a way that it is protected from any material or conditions that may cause the waste to ignite. No hot work (i.e. welding) is done in the vicinity of the tank. The tank is also painted white to reflect sunlight.

A portion of the used solvent tank and related piping is insulated and heat traced in order to prevent freezing and/or rupturing. The thermostat is set to activate the heat tracing at approximately 40 degrees. The heat tracing is self-regulating and is designed to be used in classified electrical areas. The freeze point of mineral spirits is around -76°F so it is unlikely the solvent will freeze.

D-2b(1) 40 CFR 270.16(a); Assessment of Existing Tank System's Integrity
264.191

A written construction assessment that is reviewed and certified by a Professional Engineer is located in Exhibit D2-2. This report verifies the structural integrity and suitability for handling the hazardous waste of the tank system.

D-2c(1)(2) 40 CFR 270.16(a),(e); New Tank System
264.192(a)(b)-(e)

The facility was constructed in 1990, therefore subject to the Design and Installation of New Tank Systems

D-2d 40 CFR 270.16(g); Containment and Detection of Releases
264.193

Secondary containment is inspected each operating day so any accumulated liquids would be detected within 24 hours. Any precipitation in the secondary containment system will be removed within 24 hours of the end of the rainfall/snow event or by the end of the next operating day, whichever comes later. In cold weather it may not be possible to totally remove all traces of snow or ice without damaging the sealant in the secondary containment or introducing a spark into the containment area. In such instances snow and ice will be removed to the best extent possible to avoid damaging the secondary containment and to maintain the ability of the containment to contain precipitation from a 24-hour rainfall and 25-year event. Per 40 CFR 264.193(c)(4) accumulated precipitation will be removed in as timely a manner as possible. Traces of ice and snow will be removed when the temperature rises sufficiently to melt them. Snow may be removed by shoveling.

If waste has accumulated in the tank farm containment, it will be removed by absorbents, intrinsically rated electric pump, or by a vacuum-type truck; dependent upon volume. All waste removed will be evaluated (hazardous waste determination) and managed appropriately.

Precipitation or waste found in the truck loading station sump shall be handled in the same manner as the tank containment area shown above.

The Return and Fill inspected for leaks during each operating day and is documented in Exhibit F-1 example Return and Fill Area inspection form. Precipitation is eliminated or drastically reduced by walls on three sides and an overhang on the front side of the structure. Any precipitation that makes its way in will be collected in the containment pans at the base of the structure and disposed of in the dumpster sludge drum.

D-2d(1) **40 CFR 270.16(g);** **Description of the Design, Construction, and Operation of the**
 264.193(b)-(f) **Secondary Containment System**

D-2d(1)(a) **40 CFR 270.16(g);** **Tank Age Determination**
 264.193(a)

Based on the assessment in Exhibit D2-19 the tank age is estimated to be January, 1993. In compliance with 264.193, the tank system was constructed with an adequate secondary containment system.

D-2d(1)(b) **40 CFR 270.16(g);** **Requirements for Secondary Containment and Leak Detection**
 264.193(b)(c);
 264.1101(b)(3)(iii)

The secondary containment (tank farm) consists of a monolithically poured slab and dike wall. The slab is 6" and the wall is 8" thick steel-reinforced concrete, and is underlain by 6" compacted stone over compacted fill. The containment system is a passive system. Any accumulated materials remain until manually removed by facility personnel. Construction diagrams are included as Exhibits D2-6 and D2-7. The secondary containment area has sufficient containment capacity, and is capable of collecting releases and accumulated liquids until the collected material is removed. The floor of the diked area is slightly sloped to drain to a collection sump. The tank farm floor is coated with ChemTec One. This product is a reactive silicate concrete densifier, hardener, and sealer. The Chemtec One process is permanent. A

spec sheet is included as Exhibit D2-15.

The Return and Fill station structure has secondary containment in the form of six interconnected metal pans with an overall dimension of approximately 29.54' x 10.83' x 0.479'. Once adjustments are made for the volume of the drum washer and columns and rails the containment equates to 973 gallons. The galvanized pans sit on the concrete that makes up the parking lot. Any leaks from piping, or precipitation that is blown in, can readily be seen through the open grating above the pans during daily inspections. Containment calculations are shown in Exhibit D-11.

**D-2d(1)(c) 40 CFR 270.16(g); Requirements for External Liner, Vault, Double-Walled or
264.193(d)(e); Equivalent Device**

The secondary containment system is considered to be a concrete liner that is:

- Designed or operated to contain 100% of the capacity of the largest tank within its boundary.
- Designed to prevent run-on or infiltration of precipitation into the external liner system unless the collection system has sufficient excess capacity to contain run-on or infiltration from a 25 year, 24 hour rainfall event. The tank farm containment system has an excess capacity of 5,237 gallons. Reference Exhibit D2-5 for calculations.
- Maintained to be free of cracks and gaps. The containment system is inspected per schedule and repaired as needed, when indicated on the daily inspection form.
- Designed and installed to surround the tank completely and cover all surrounding earth likely to come into contact with the waste if a release from the tank (capable of preventing lateral and vertical migration of waste).

**D-2d(1)(d) 40 CFR 270.16(g); Secondary Containment and Leak Detection Requirements for
264.193(f) Ancillary Equipment**

All piping is aboveground. All piping, valves, flanges, and connections are visually inspected for leaks each operating day. Most of the piping and drum washers are over secondary contained areas. Any piping that does not have secondary containment has welded joints and connections. There is no piping that passes through secondary containment. Piping is painted to provide protection against weather deterioration. All ancillary equipment is inspected each operating day for leaks and any paint or piping deterioration will be noted and repairs initiated.

**D-2d(1)(e) 40 CFR 270.16(g); Containment Buildings Used as Secondary Containment for Tank
264.1101(b)(3)(iii) Systems**

There is no containment building used as secondary containment for the tank system. Therefore, this section does not apply.

**D-2d(2) 40 CFR 270.16(h); Requirements for Tank Systems until Secondary Containment is
264.193(i) Implemented**

The tank system has secondary containment. Therefore, this section does not apply.

**D-2d(3)(a)-(c) 40 CFR 270.16(h); Variance from Secondary Containment Requirements
264.193(g)**

The tank system has secondary containment. Therefore, this section does not apply.

**D-2e 40 CFR 270.16(i); Control and Practices to Prevent Spills and Overfills
264.194(a),(b);
264.195**

- (a) The facility places only used parts washer solvent (mineral spirits) into the tank system. This will not cause the tank system to rupture, leak, corrode, or otherwise fail.
- (b) Appropriate controls and practices to prevent spills and overflows include:
 - 1. There is a 2" threaded check valve located between the tank and Return and Fill pump that will prevent solvent from back-flowing out of the tank to the Return and Fill drum washer/receptacle. There is also a 3" threaded check valve located near the camlock where a hose would be connected to the piping to remove solvent from the tank. This will prevent any solvent being pumped into the waste solvent tank except through the Return and Fill operations.
 - 2. The Return and Fill process is a manual operation. All drums of waste solvent are manually emptied into the drum washer. The waste mineral spirits solvent is pumped through hard pipes from the drum washer receptacle located in the Return and Fill dock to the storage tank. Movement of waste solvent into the tank can be halted simply by discontinuing the drum emptying process. The tank system is equipped with a high level alarm which indicates when the tank is 95% full. If the level in the tank is 95% of capacity, the float activates a switch which activates both visual and audible alarms. The transfer pump is also disabled so that the tank will not overflow. The pump cannot be restarted until the level of solvent in the tank is below 95% capacity. The high level alarm is inspected daily for proper functioning of electrical and mechanical components.
 - 3. This is a covered tank so it is not necessary to maintain sufficient freeboard for wave or wind action or by precipitation.

Response To Leaks Or Spills From Tanks (40 CFR 264.196(a-f))

- a) Stopping Waste Addition – Should a leak or spill occur from the tank, Safety-Kleen personnel will immediately stop the flow of hazardous waste into the system and inspect the system to determine the cause.
- b) Removing Waste
 - 1. If the release was from the tank system, Safety-Kleen will, within 24 hours after detection of the leak or, at the earliest practicable time, remove as much of the

waste as is necessary to prevent further release of hazardous waste to the environment and to allow inspection and repair of the tank system. This can typically be accomplished by transferring material into containers or pumping into a tanker.

2. If the material released was to a secondary containment system, all released materials will be removed within 24 hours or in as timely a manner as is possible to prevent harm to human health and the environment.
- c) Containment of Visible Releases – Safety-Kleen will conduct a visual inspection of the release. Safety-Kleen will prevent further migration of the leak or spill to the environment. Any contamination will be removed and disposed of properly.
- d) Notifications and Reports –
1. A release to the environment, except as provided in paragraph (d)(2) of this section, will be reported to the Idaho State EMS Communications Center within 24 hours of its detection. Unless already reported pursuant to 40 CFR Part 302 , or is a leak or spill of hazardous waste exempted from the requirements by meeting the criteria of \leq one (1) pound, and is immediately contained and cleaned up.
 2. Within 30 days of detection of a release to the environment, Safety-Kleen will file a report containing the following information to the Idaho State EMS Communications Center:
 - i. Likely route of migration of the release;
 - ii. Characteristics of the surrounding soil (soil composition, geology, hydrogeology, climate);
 - iii. Results of any monitoring or sampling conducted in connection with the release (if available). If sampling or monitoring data relating to the release are not available within 30 days, these data must be submitted to the Idaho State EMS Communications Center as soon as they become available.
 - iv. Proximity to down gradient drinking water, surface water, and populated areas; and
 - v. Description of response actions taken or planned.
- e) Provision of secondary containment, repair, or closure.
1. Safety-Kleen will satisfy the requirements of paragraphs 40 CFR 264.196 (e)(2) through (4) or the tank system will be closed

Certification of Major Repairs – If the repairs to the tank system are extensive (e.g., installation of an internal liner; repair of a ruptured primary containment or secondary containment vessel), Safety-Kleen will obtain a certification by a qualified Professional Engineer in accordance with 40 CFR270.11(d) that the repaired system is capable of handling hazardous wastes without release for the intended life of the system. The certification will be placed in the operating record and maintained until closure of the facility.

Section J Solid Waste Management Units

J-1 270.14(d)(1) Characterization of the Solid Waste Management Units (SWMUs)

Prior to Safety-Kleen's purchase of the Boise Facility property, the Idaho Department of Health and Welfare (IDHW) completed an initial RCRA facility assessment of the former Magic Trucking site on April 25, 1989. IDHW identified areas of ground surface contamination. IDHW found stained soil that was found to have petroleum hydrocarbons (characterized as diesel fuel). One sample contained a low concentration of tetrachloroethylene (0.35 ppb). Because the tetrachloroethylene was thought to have been used as a solvent the contaminants were designated by IDHW as hazardous waste constituents

This led to Safety-Kleen to hire a 3rd party remediation firm to make further assessments of the site. This assessment identified 5 stained areas, the majority of which were found east of a clarifier (labeled as a sump in the site drawing found in Exhibit J-1) in the pad on the east side of the warehouse. Beginning on 7-24-90 all areas were remediated and the clarifier removed. Safety-Kleen received the reports on the completed remediation in September, 1990. This report was provided to IDHW on 10-29-90.

Safety-Kleen received a letter from IDHW in 12-19-90 in which the IDHW concurred with Safety-Kleen's conclusion that the site was successfully remediated (see Exhibit J-2).

Pond Discharge

During an Idaho Department of Environmental Quality (IDEQ) inspection on June 11 & 12, 2007, it was noted that SKS was pumping large amounts of rain water from the Retention Pond through a grate at the bottom, to a sump, and discharged through a pipe underneath the north fence line to soil. The water in the Retention Pond had a visible sheen, and the sheen was observed on the concrete on the Retention Pond. The discharge area at the northeast side of the facility showed an oily sheen on the discharge water and on the soil.

Subsequently, a Sampling and Analysis Plan, including a Background Sampling and Analysis Plan was proposed by Safety-Kleen and approved by IDEQ. A final report was submitted on June 11, 2009 (see Exhibit J-3) and approved by IDEQ on June 30, 2009.

Two polycyclic aromatic hydrocarbons (PAHs; benzo(a)pyrene and dibenz(a,h)anthracene) and one metal (arsenic) were reported above IDEQ's Initial Default Target Levels (IDTLs) and USEPA Region 9 Preliminary Remediation Goals for Residential Soil (PRGs) in the October 2008 soil sample collected adjacent to the effluent discharge pipe. Five metals (cadmium, chromium, mercury, selenium, and silver) were reported above IDTLs but below Region 9 Residential PRGs.

S-K collected four soil samples (SK-01 through SK-04), on April 8, 2009, from depth of approximately 3 to 6 inches below ground surface. The samples were collected in the western portion of the Site, adjacent to the main parking lot. Based on the laboratory analytical results it

was determined that the background sampling area was unaffected by retention pond discharge and routine waste management practices. Two background samples, SK-01 and SK-03, also contained reportable concentrations of benzo(a)pyrene and dibenz(a,h)anthracene above screening levels.

All metal concentrations, with the exception of arsenic, were below IDTLs and/or Residential PRGs in the October 2008 discharge sample. Arsenic concentrations in all four background samples (SK-01 through SK-04) also exceeded screening levels. Chromium was reported at concentrations above the IDTL, but below the Residential PRG, in the October 2008 discharge sample and all April 2009 background samples.

However, the background samples did not contain detectable concentrations of these metals above their respective laboratory reporting limits (0.05 mg/kg). The slightly higher concentration of metals in soils in the immediate effluent area of the discharge pipe is expected. Commingled storm water historically discharged to the small discharge pipe surface area would likely cause a slightly higher concentration of background metals relative to those in surrounding soils. Additionally, metals are not typically associated with S-K operations or chemicals stored within the transfer facility. It is unlikely that metals, attributable to a release, would be detected in the absence of other constituents (i.e. volatile organic compounds and chlorinated solvents). The results indicated that the soil at the discharge point was not significantly impacted by the retention pond discharge.

As stated above, IDEQ approved the results on June 30, 2009.

Exhibit A-1

Part A Application
Subtitle C
Photos

D. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K

❖ You can **ONLY** Opt into Subpart K if:

- you are at least one of the following: a college or university; a teaching hospital that is owned by or has a formal affiliation agreement with a college or university; or a non-profit research institute that is owned by or has a formal affiliation agreement with a college or university; AND
- you have checked with your State to determine if 40 CFR Part 262 Subpart K is effective in your state

Y N

1. Opting into or currently operating under 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories
See the Item-by-item instructions for definitions of types of eligible academic entities. Mark all that apply:

- a. College or University
- b. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university
- c. Non-profit Institute that is owned by or has a formal written affiliation agreement with a college or university

Y N

2. Withdrawing from 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories

11. Description of Hazardous Waste

A. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

D001	D004	D005	D006	D007	D007	D008
D010	D011	D018	D019	D021	D022	D023
D024	D025	D026	D027	D028	D029	D030
D032	D033	D034	D035	D036	D037	D038
D039	D040	D041	D042	D043	F002	F003
F004	F005					

B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes. Please list the waste codes of the State-Regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.

12. Notification of Hazardous Secondary Material (HSM) Activity

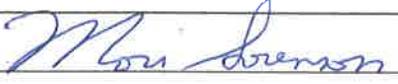
Y N Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 261.2(a)(2)(ii), 40 CFR 261.4(a)(23), (24), or (25)?

If "Yes", you must fill out the Addendum to the Site Identification Form: Notification for Managing Hazardous Secondary Material.

13. Comments

Multiple empty horizontal lines for providing comments.

14. Certification. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. For the RCRA Hazardous Waste Part A Permit Application, all owner(s) and operator(s) must sign (see 40 CFR 270.10(b) and 270.11).

Signature of legal owner, operator, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
	MORI SORENSON - DIRECTOR	12/14/14

10. Type of Regulated Waste Activity (at your site)
 Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.

A. Hazardous Waste Activities; Complete all parts 1-10.

- | | |
|--|---|
| <p>Y <input checked="" type="checkbox"/> N <input type="checkbox"/> 1. Generator of Hazardous Waste
 If "Yes", mark only one of the following – a, b, or c.</p> <p><input checked="" type="checkbox"/> a. LQG: Generates, in any calendar month, 1,000 kg/mo (2,200 lbs./mo.) or more of hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lbs./mo) of acute hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 100 kg/mo (220 lbs./mo) of acute hazardous spill cleanup material.</p> <p><input type="checkbox"/> b. SQG: 100 to 1,000 kg/mo (220 – 2,200 lbs./mo) of non-acute hazardous waste.</p> <p><input type="checkbox"/> c. CESQG: Less than 100 kg/mo (220 lbs./mo) of non-acute hazardous waste.</p> <p>If "Yes" above, indicate other generator activities in 2-4.</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 2. Short-Term Generator (generate from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section.</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 3. United States Importer of Hazardous Waste</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 4. Mixed Waste (hazardous and radioactive) Generator</p> | <p>Y <input checked="" type="checkbox"/> N <input type="checkbox"/> 5. Transporter of Hazardous Waste
 If "Yes", mark all that apply.</p> <p><input checked="" type="checkbox"/> a. Transporter</p> <p><input checked="" type="checkbox"/> b. Transfer Facility (at your site)</p> <p>Y <input checked="" type="checkbox"/> N <input type="checkbox"/> 6. Treater, Storer, or Disposer of Hazardous Waste Note: A hazardous waste Part B permit is required for these activities.</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 7. Recycler of Hazardous Waste</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 8. Exempt Boiler and/or Industrial Furnace
 If "Yes", mark all that apply.</p> <p><input type="checkbox"/> a. Small Quantity On-site Burner Exemption</p> <p><input type="checkbox"/> b. Smelting, Melting, and Refining Furnace Exemption</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 9. Underground Injection Control</p> <p>Y <input checked="" type="checkbox"/> N <input type="checkbox"/> 10. Receives Hazardous Waste from Off-site</p> |
|--|---|

B. Universal Waste Activities; Complete all parts 1-2.

- Y N **1. Large Quantity Handler of Universal Waste** (you accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste managed at your site. If "Yes", mark all that apply.
- | | |
|---------------------------------|--------------------------|
| a. Batteries | <input type="checkbox"/> |
| b. Pesticides | <input type="checkbox"/> |
| c. Mercury containing equipment | <input type="checkbox"/> |
| d. Lamps | <input type="checkbox"/> |
| e. Other (specify) _____ | <input type="checkbox"/> |
| f. Other (specify) _____ | <input type="checkbox"/> |
| g. Other (specify) _____ | <input type="checkbox"/> |

- Y N **2. Destination Facility for Universal Waste**
 Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities; Complete all parts 1-4.

- Y N **1. Used Oil Transporter**
 If "Yes", mark all that apply.
- a. Transporter
- b. Transfer Facility (at your site)
- Y N **2. Used Oil Processor and/or Re-refiner**
 If "Yes", mark all that apply.
- a. Processor
- b. Re-refiner
- Y N **3. Off-Specification Used Oil Burner**
- Y N **4. Used Oil Fuel Marketer**
 If "Yes", mark all that apply.
- a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
- b. Marketer Who First Claims the Used Oil Meets the Specifications

United States Environmental Protection Agency
HAZARDOUS WASTE PERMIT INFORMATION FORM

1. Facility Permit Contact	First Name: NICHOLAS	MI: T	Last Name: CULIAN						
	Contact Title: ENVIRONMENTAL, HEALTH AND SAFETY MANAGER								
	Phone: 530-363-2632	Ext.:	Email:						
2. Facility Permit Contact Mailing Address	Street or P.O. Box: 6334 SUPPLY WAY								
	City, Town, or Village: BOISE								
	State: IDAHO								
	Country: USA	Zip Code: 83716							
3. Operator Mailing Address and Telephone Number	Street or P.O. Box: 6334 SUPPLY WAY								
	City, Town, or Village: BOISE								
	State: IDAHO	Phone: 208.342.8882							
	Country: USA	Zip Code: 83716							
4. Facility Existence Date	Facility Existence Date (mm/dd/yyyy): 10-22-1990								
5. Other Environmental Permits									
A. Facility Type <i>(Enter code)</i>	B. Permit Number								C. Description
P	0	0	0	1	0	0	9	8	Permit to Construct: Air Pollution Emitting Source
6. Nature of Business:	The facility includes a sales office, warehouse, and tanks for storage of spent and clean solvent; an area to bulk solvents into drums. Products include small parts cleaning equipment, solvents, antifreeze, hand cleaners, floor soap, and other allied products. Safety-Kleen collects spent material from customers and accumulated the spent solvents in a storage tank or container storage area. Bulk transfer is also performed.								

7. Process Codes and Design Capacities – Enter information in the Section on Form Page 3

- A. PROCESS CODE** – Enter the code from the list of process codes below that best describes each process to be used at the facility. If more lines are needed, attach a separate sheet of paper with the additional information. For “other” processes (i.e., D99, S99, T04 and X99), describe the process (including its design capacity) in the space provided in Item 8.
- B. PROCESS DESIGN CAPACITY** – For each code entered in Item 7.A; enter the capacity of the process.
- AMOUNT** – Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.
 - UNIT OF MEASURE** – For each amount entered in Item 7.B(1), enter the code in Item 7.B(2) from the list of unit of measure codes below that describes the unit of measure used. Select only from the units of measure in this list.
- C. PROCESS TOTAL NUMBER OF UNITS** – Enter the total number of units for each corresponding process code.

Process Code	Process	Appropriate Unit of Measure for Process Design Capacity	Process Code	Process	Appropriate Unit of Measure for Process Design Capacity
Disposal			Treatment (Continued)		
D79	Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; or Liters Per Day	T81	Cement Kiln	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; BTU Per Hour; Liters Per Hour; Kilograms Per Hour; or Million BTU Per Hour
D80	Landfill	Acre-feet; Hectares-meter; Acres; Cubic Meters; Hectares; Cubic Yards	T82	Lime Kiln	
D81	Land Treatment	Acres or Hectares	T83	Aggregate Kiln	
D82	Ocean Disposal	Gallons Per Day or Liters Per Day	T84	Phosphate Kiln	
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards	T85	Coke Oven	
D99	Other Disposal	Any Unit of Measure Listed Below	T86	Blast Furnace	
Storage			T87	Smelting, Melting, or Refining Furnace	
S01	Container	Gallons; Liters; Cubic Meters; or Cubic Yards	T88	Titanium Dioxide Chloride Oxidation Reactor	
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T89	Methane Reforming Furnace	
S03	Waste Pile	Cubic Yards or Cubic Meters	T90	Pulping Liquor Recovery Furnace	
S04	Surface Impoundment	Gallons; Liters; Cubic Meters; or Cubic Yards	T91	Combustion Device Used in the Recovery of Sulfur Values from Spent Sulfuric Acid	
S05	Drip Pad	Gallons; Liters; Cubic Meters; Hectares; or Cubic Yards	T92	Halogen Acid Furnaces	
S06	Containment Building Storage	Cubic Yards or Cubic Meters	T93	Other Industrial Furnaces Listed in 40 CFR 260.10	
S99	Other Storage	Any Unit of Measure Listed Below	T94	Containment Building Treatment	Cubic Yards; Cubic Meters; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; BTU Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million BTU Per Hour
Treatment			Miscellaneous (Subpart X)		
T01	Tank Treatment	Gallons Per Day; Liters Per Day	X01	Open Burning/Open Detonation	Any Unit of Measure Listed Below
T02	Surface Impoundment	Gallons Per Day; Liters Per Day	X02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; Kilograms Per Hour; Gallons Per Hour; Liters Per Hour; or Gallons Per Day
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; BTUs Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Gallons Per Day; Metric Tons Per Hour; or Million BTU Per Hour	X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; BTU Per Hour; or Million BTU Per Hour
T04	Other Treatment	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Short Tons Per Day; BTUs Per Hour; Gallons Per Day; Liters Per Hour; or Million BTU Per Hour	X04	Geologic Repository	Cubic Yards; Cubic Meters; Acre-feet; Hectare-meter; Gallons; or Liters
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; BTUs Per Hour; or Million BTU Per Hour	X99	Other Subpart X	Any Unit of Measure Listed Below

Unit of Measure	Unit of Measure Code	Unit of Measure	Unit of Measure Code	Unit of Measure	Unit of Measure Code
Gallons.....	G	Short Tons Per Hour.....	D	Cubic Yards.....	Y
Gallons Per Hour.....	E	Short Tons Per Day.....	N	Cubic Meters.....	C
Gallons Per Day.....	U	Metric Tons Per Hour.....	W	Acres.....	B
Liters.....	L	Metric Tons Per Day.....	S	Acre-feet.....	A
Liters Per Hour.....	H	Pounds Per Hour.....	J	Hectares.....	Q
Liters Per Day.....	V	Kilograms Per Hour.....	X	Hectare-meter.....	F
		Million BTU Per Hour.....	X	BTU Per Hour.....	I

7. Process Codes and Design Capacities (Continued)

EXAMPLE FOR COMPLETING Item 7 (shown in line number X-1 below): A facility has a storage tank, which can hold 533,788 gallons.

Line Number	A. Process Code (From list above)				B. PROCESS DESIGN CAPACITY		C. Process Total Number of Units	For Official Use Only						
					(1) Amount (Specify)	(2) Unit of Measure								
X	1	S	0	2	533,788	G	001							
	1	S	0	1	8,320	G	002							
	2	S	0	2	12,000	G	001							
	3	X	9	9	162	G	001							
	4													
	5													
	6													
	7													
	8													
	9													
1	0													
1	1													
1	2													
1	3													

Note: If you need to list more than 13 process codes, attach an additional sheet(s) with the information in the same format as above. Number the line sequentially, taking into account any lines that will be used for "other" process (i.e., D99, S99, T04, and X99) in Item 8.

8. Other Processes (Follow instructions from Item 7 for D99, S99, T04, and X99 process codes)

Line Number (Enter #s in sequence with Item 7)	A. Process Code (From list above)				B. PROCESS DESIGN CAPACITY		C. Process Total Number of Units	For Official Use Only						
					(1) Amount (Specify)	(2) Unit of Measure								
X	2	T	0	4	100.00	U	001							

9. Description of Hazardous Wastes - Enter Information in the Sections on Form Page 5

- A. EPA HAZARDOUS WASTE NUMBER** – Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR Part 261, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY** – For each listed waste entered in Item 9.A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in Item 9.A, estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE** – For each quantity entered in Item 9.B, enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure, taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in Item 9.A, select the code(s) from the list of process codes contained in Items 7.A and 8.A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all listed hazardous wastes.

For non-listed waste: For each characteristic or toxic contaminant entered in Item 9.A, select the code(s) from the list of process codes contained in Items 7.A and 8.A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

1. Enter the first two as described above.
2. Enter "000" in the extreme right box of Item 9.D(1).
3. Use additional sheet, enter line number from previous sheet, and enter additional code(s) in Item 9.E.

2. PROCESS DESCRIPTION: If code is not listed for a process that will be used, describe the process in Item 9.D(2) or in Item 9.E(2).

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER – Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in Item 9.A. On the same line complete Items 9.B, 9.C, and 9.D by estimating the total annual quantity of the waste and describing all the processes to be used to store, treat, and/or dispose of the waste.
2. In Item 9.A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In Item 9.D.2 on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING Item 9 (shown in line numbers X-1, X-2, X-3, and X-4 below) – A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operations. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number	A. EPA Hazardous Waste No. (Enter code)					B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)	D. PROCESSES													
	(1) PROCESS CODES (Enter Code)							(2) PROCESS DESCRIPTION (If code is not entered in 9.D(1))													
X	1	K	0	5	4	900	P	T	0	3	D	8	0								
X	2	D	0	0	2	400	P	T	0	3	D	8	0								
X	3	D	0	0	1	100	P	T	0	3	D	8	0								
X	4	D	0	0	2																Included With Above

9. Description of Hazardous Wastes (Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)					B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)	D. PROCESSES									
								(1) PROCESS CODES (Enter Code)					(2) PROCESS DESCRIPTION (If code is not entered in 9.D(1))				
	1	D	0	0	1	267	T	S	0	1	S	0	2	X	9	9	
	2	D	0	0	4												Included in 9.1, 9.34, & 9.35
	3	D	0	0	5												Included in 9.1, 9.34, & 9.35
	4	D	0	0	6												Included in 9.1, 9.34, & 9.35
	5	D	0	0	7												Included in 9.1, 9.34, & 9.35
	6	D	0	0	8												Included in 9.1, 9.34, & 9.35
	7	D	0	0	9												Included in 9.1, 9.34, & 9.35
	8	D	0	1	0												Included in 9.1, 9.34, & 9.35
	9	D	0	1	1												Included in 9.1, 9.34, & 9.35
1	0	D	0	1	8												Included in 9.1, 9.34, & 9.35
1	1	D	0	1	9												Included in 9.1, 9.34, & 9.35
1	2	D	0	2	1												Included in 9.1, 9.34, & 9.35
1	3	D	0	2	2												Included in 9.1, 9.34, & 9.35
1	4	D	0	2	3												Included in 9.1, 9.34, & 9.35
1	5	D	0	2	4												Included in 9.1, 9.34, & 9.35
1	6	D	0	2	5												Included in 9.1, 9.34, & 9.35
1	7	D	0	2	6												Included in 9.1, 9.34, & 9.35
1	8	D	0	2	7												Included in 9.1, 9.34, & 9.35
1	9	D	0	2	8												Included in 9.1, 9.34, & 9.35
2	0	D	0	2	9												Included in 9.1, 9.34, & 9.35
2	1	D	0	3	0												Included in 9.1, 9.34, & 9.35
2	2	D	0	3	2												Included in 9.1, 9.34, & 9.35
2	3	D	0	3	3												Included in 9.1, 9.34, & 9.35
2	4	D	0	3	4												Included in 9.1, 9.34, & 9.35
2	5	D	0	3	5												Included in 9.1, 9.34, & 9.35
2	6	D	0	3	6												Included in 9.1, 9.34, & 9.35
2	7	D	0	3	7												Included in 9.1, 9.34, & 9.35
2	8	D	0	3	8												Included in 9.1, 9.34, & 9.35
2	9	D	0	3	9												Included in 9.1, 9.34, & 9.35
3	0	D	0	4	0												Included in 9.1, 9.34, & 9.35
3	1	D	0	4	1												Included in 9.1, 9.34, & 9.35
3	2	D	0	4	2												Included in 9.1, 9.34, & 9.35
3	3	D	0	4	3												Included in 9.1, 9.34, & 9.35
3	4	F	0	0	2	6	T	S	0	1							
3	5	F	0	0	3	14	T	S	0	1							
3	6	F	0	0	5												Included in 9.35

10. Map

Attach to this application a topographical map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all spring, rivers, and other surface water bodies in this map area. See instructions for precise requirements.

11. Facility Drawing

All existing facilities must include a scale drawing of the facility (see instructions for more detail).

12. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment, and disposal areas; and sites of future storage, treatment, or disposal areas (see instructions for more detail).

13. Comments

United States • ID • Ada Co. • Boise



Safety-Kleen Systems, Inc
Boise, ID 83704

Tank Farm

Return and
Fill Dock

CSA2 Flammable
Storage Shed





Safety-Kleen Systems, Inc
Boise, ID IDD981770498





1646GAL.



MAX. CAP. 446GAL.

MAX. CAP. 446GAL.

Exterior Entrance to CSA-1



Interior Exit Door











Spent Solvent Tank

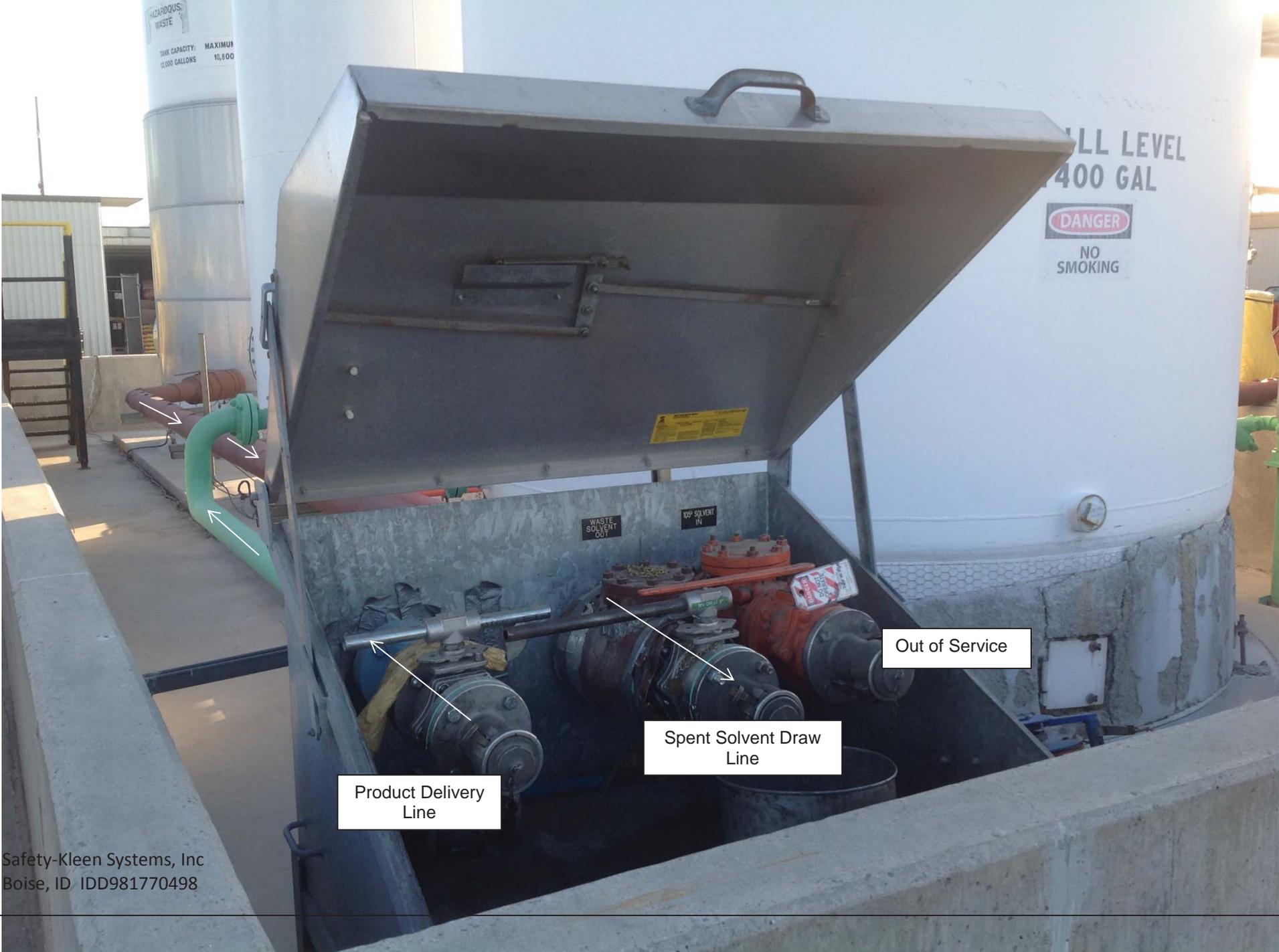
Out of Service Tank

Product Solvent Tank
(Petroleum Naphtha)



Safety-Kleen Systems, Inc
Boise, ID IDD981770498







Return & Fill Dock

CSA2



Product Solvent
(Green Line)

Orange Line - Out
of Service

Spent Solvent
(Brown Line)







2050-0024 Section 12.19.1 Drum Washer
Exterior View 5/072014



2050-0024 Section 12.19.2 Drum Washer
Interior View 5/072014



Solvent spray nozzle to rinse
inside of emptied drum

Drain shelf for emptied
and rinsed drums

Brushes to clean outside
of emptied drums

Fire Alarm Panel
Control Center

Power for Return & Fill
Dock (includes pumps)

Drum Washer
Indicator Panel

Alarm Panel Backup
Battery

Manual Activator
for CSA-1 Fire
Suppression
System



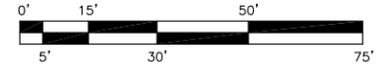


2050-0024 Section 12.22 Precipitation Containment Basin
Discharge Point 5/072014



Exhibit A-2

Scale Drawing of Facility



GENERAL NOTES

- PROPERTY LINE
- FENCE LINE
- ELECTRICAL LINE
- PNEUMATIC LINE
- SS --- SANITARY SEWER LINE
- 50' SETBACK
- PRESSURE SEWER LINE
- CONTAINMENT POND DISCHARGE LINE
- R/W --- RIGHT OF WAY
- ▲ FIRE HYDRANT
- HAZARDOUS WASTE TANK
- PROPERTY CORNER

TANK LEGEND

TANK NO.	TANK VOLUME	TANK CONTENTS	REMARKS
1	12,000 USG	USED MINERAL SPIRITS	10'-6" F&D BOTTOM TANK
2	12,000 USG	OUT OF SERVICE	10'-6" F&D BOTTOM TANK FORMER 105 CMS TANK
3	12,000 USG	CLEAN 150' MINERAL SPIRITS	10'-6" F&D BOTTOM TANK

REVISIONS

NO.	DESCRIPTION	BY	CHK	APPR	DATE
A	RELEASED TO WEY FOR REVIEW	MBH	KJM	WEY	053196
B	ADDED LANDSCAPING	MBH	KJM	WEY	053196
C	REVISED FOR PERMIT	JEK	NC	NC	012813

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TITLE
EXISTING SITE /FACILITY LAYOUT PLAN

SAFETY-KLEEN SYSTEMS, INC.
2600 N. CENT. EXPRESSWAY STE. 400 RICHARDSON, TX. 75080
PHONE 800-669-5740

SCALE	BY	CHKD	APPROVED	OPERATIONS	DATE
1"=20'-0"	JKM				05-31-96
SERVICE CENTER LOCATION			SC-DWG NUMBER	REV. NO.	
BOISE, ID			7114-SP00-001	C	

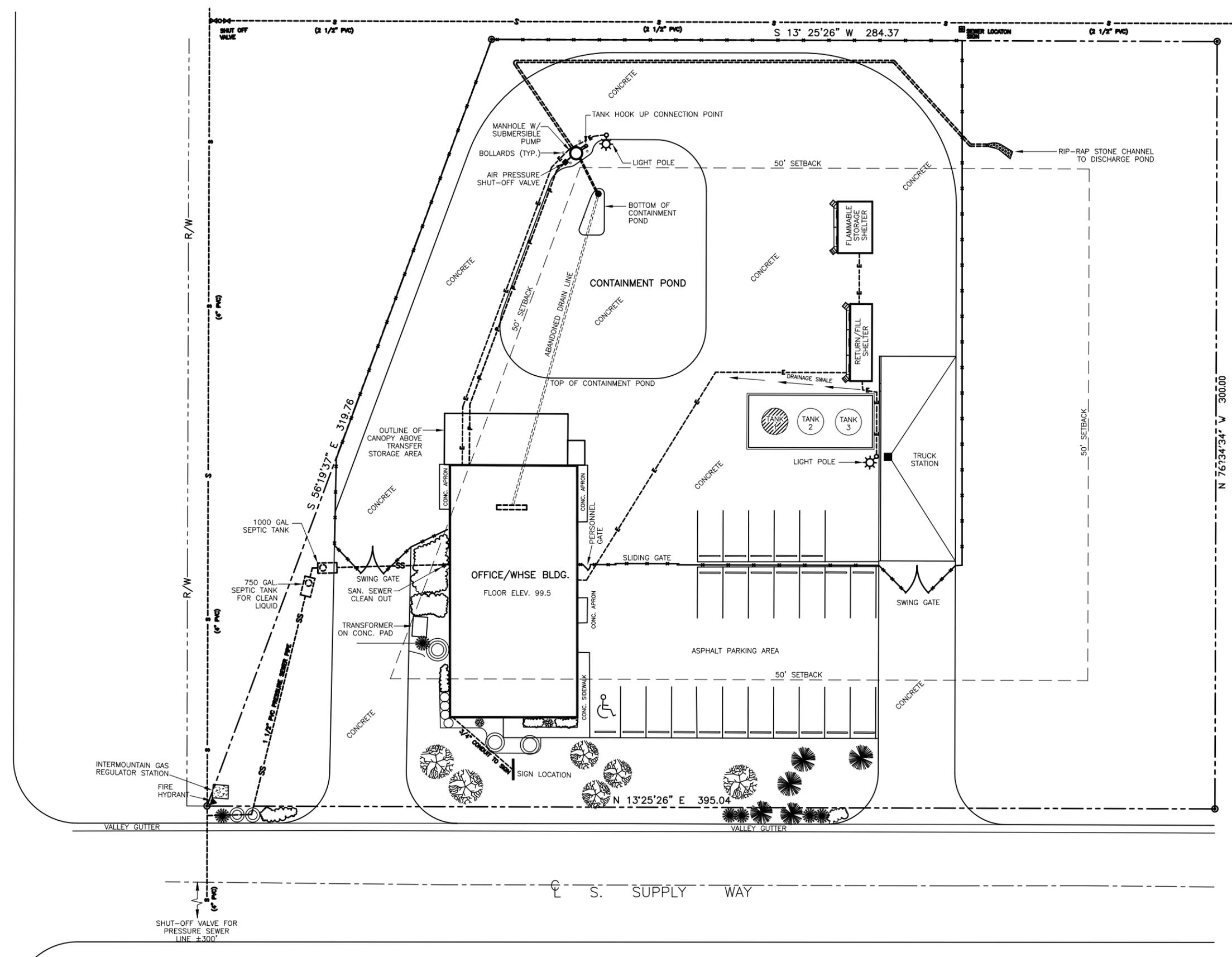


Exhibit A-2

Exhibit A-3

Topographic Map with 1-Mile Radius

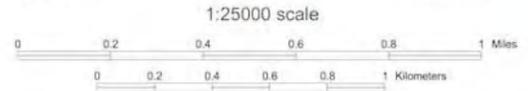
116°14'30" 116°14' 562 000 116°13'30" 563 000 116°13' 564 000 116°12'30" 565 000 116°12' 566 000 116°11'30" 567 000 116°11' 568 000 116°10'30" 569 000 116°10' 570 000 116°9'30" 571 000 116°9' 572 000 116°8'30" 573 000 116°8' 574 000 116°7'30" 575 000

43°34' 48 24 000
43°33'30" 48 23 000
43°33' 48 22 000
43°32'30" 48 21 000
43°32' 48 20 000
43°31'30" 48 19 000

43°34' 48 24 000
43°33'30" 48 23 000
43°33' 48 22 000
43°32'30" 48 21 000
43°32' 48 20 000
43°31'30" 48 19 000



Universal Transverse Mercator (UTM) Projection Zone 11
North American Datum of 1983
1000 meter UTM / USNG / MGRS
Grid Zone Designation: 11T
100,000-m Squares: NJ



SAFETY-KLEEN TOPOGRAPHIC MAP
BOISE, ID. 83716
DWG # 7114-SP00-030

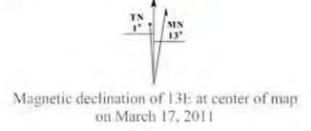
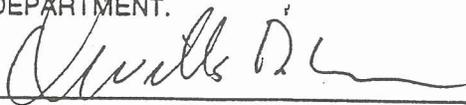


Exhibit A-4

Permit to Construct Air Source

STATE OF IDAHO PERMIT TO CONSTRUCT AN AIR POLLUTION EMITTING SOURCE		PERMIT NUMBER 0 0 0 1 — 0 0 9 8 AQCR CLASS SIC 0 6 4 B 5 1 7 2 ZONE UTM COORDINATE (km) 1 1 5 6 6 . 9 , 4 8 2 1 . 3	
1. PERMITTEE SAFETY-KLEEN CORPORATION			
2. PROJECT SOLVENT STORAGE AND TRANSFER FACILITY			
3. ADDRESS SUPPLY WAY AND GOWEN ROAD BOISE INDUSTRIAL PARK		COUNTY ADA	NO. OF FULL TIME EMPLOYEES 6
4. CITY BOISE	STATE IDAHO	ZIP CODE 83705	PROPERTY AREA AT SITE (Acreage)
5. PERSON TO CONTACT RICHARD MATTRASS		TITLE REGIONAL ENV. ENGINEER	TELEPHONE NUMBER (206) 953-9414
6. EXACT PLANT LOCATION BOISE WAY AND GOWEN ROAD			
7. GENERAL NATURE OF BUSINESS AND KINDS OF PRODUCTS SOLVENT STORAGE AND TRANSFER FACILITY			
8. GENERAL CONDITIONS <p>This permit is issued according to the Rules and Regulations for the Control of Air Pollution in Idaho, Section 01.1012, and pertains only to emissions of air contaminants which are regulated by the State of Idaho and to the sources specifically allowed to be constructed by this permit.</p> <p>This permit (a) does not affect the title of the premises upon which the equipment is to be located, (b) does not release the permittee from any liability for any loss due to damage to person or property caused by, resulting from, or arising out of the design, installation, maintenance, or operation of the proposed equipment, (c) does not release the permittee from compliance with other applicable local laws, regulations, or ordinances, (d) in no manner implies or suggests that the Department of Health and Welfare, or its officers, agents, or employees, assumes any liability, directly or indirectly, for any loss due to damage to person or property caused by, resulting from, or arising out of design, installation, maintenance, or operation of the proposed equipment.</p> <p>This permit is not transferable to another person, place, piece or set of equipment. This permit will expire if construction has not begun within two years of its issue date or if construction is suspended for two years.</p> <p>THIS PERMIT HAS BEEN GRANTED ON THE BASIS OF DESIGN INFORMATION PRESENTED WITH ITS APPLICATION. CHANGES OF DESIGN OR EQUIPMENT MUST BE APPROVED IN ADVANCE BY THE DEPARTMENT.</p>			
 ASSISTANT ADMINISTRATOR PERMITS AND ENFORCEMENT		DATE July 13, 1992	

PERMIT TO CONSTRUCT

P E R M I T N U M B E R

PERMITTEE, PROJECT, AND LOCATION

Safety-Kleen Corporation
Boise, Idaho

0	0	0	1	-	0	0	9	8
---	---	---	---	---	---	---	---	---

SOURCE

Solvent Storage and Transfer Facility

1. SOURCE DESCRIPTION

This facility is a solvent distribution service center which provides clean solvent and collects spent solvent. Some drums of used solvent are emptied, washed and refilled at this facility. The used drum solvent is temporarily stored on site in the 12,000 gallon spent solvent storage tank. Other containers of solvent waste are also temporarily stored at this facility, but are never opened on site. A tanker and trailer truck brings clean solvents from the refinery and then returns with spent solvents.

1.1 Warehouse and Container Storage Area

5,000 square foot warehouse which stores a maximum of 4,464 gallons of spent solvents in closed drums.

1.2 Tank Farm and Return and Fill Area

Two (2) 12,000 gallon above-ground fixed roof storage tanks. One tank stores clean solvent and the other stores spent solvent.

1.3 Solvent Return and Fill Station

A loading dock, two (2) 375 gallon receiving and washing units, two (2) multiple solvent dispensing units connected to four (4) dispensing nozzles with automatic shut-off valves.

1.4 Flammable Shelter

A maximum of 2,592 gallons of containerized paint wastes is stored in this building.



ASSISTANT ADMINISTRATOR
PERMITS AND ENFORCEMENT

DATE: July 13, 1992

PERMIT TO CONSTRUCT

P E R M I T N U M B E R

PERMITTEE, PROJECT, AND LOCATION

Safety-Kleen Corporation
Boise, Idaho

0	0	0	1	-	0	0	9	8
---	---	---	---	---	---	---	---	---

SOURCE

Solvent Storage and Transfer Facility

2. EMISSION LIMITS

2.1 Daily Toxic Emissions Limited

Toxic emissions shall be limited to the following as required by IDAPA 16.01.01011,01 (Rules and Regulations for the Control of Air Pollution in Idaho):

- 2.1.1 2.5 pounds of 1,1,1-TCE (trichloroethane) per day;
- 2.1.2 0.17 pounds of ethylbenzene per day;
- 2.1.3 0.25 pounds of xylenes per day; and
- 2.1.4 0.49 pounds of toluene per day.

3. OPERATING REQUIREMENTS

3.1 Drum Washing Limited

In order to comply with toxic emission limits, the total number of drums washed per day shall be limited to:

- 3.1.1 A maximum of 50 drums having a capacity of 30 gallons; and
- 3.1.2 A maximum of 80 drums having a capacity of 16 gallons.

4. REPORTING REQUIREMENTS

4.1 Maintain a Log

Safety-Kleen shall maintain a log that documents Conditions 3.1. This log shall be made available to DEQ personnel upon request.



ASSISTANT ADMINISTRATOR
PERMITS AND ENFORCEMENT

DATE: July 13, 1992

PERMIT TO CONSTRUCT GENERAL PROVISIONS

- A. All emissions authorized herein shall be consistent with the terms and conditions of this permit and the **Rules and Regulations for the Control of Air Pollution in Idaho**. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the **Rules and Regulations for the Control of Air Pollution in Idaho**, and the Environmental Protection and Health Act, Idaho Code 39-101, et.seq.
- B. The permittee shall at all times (except as provided in the **Rules and Regulations for the Control of Air Pollution in Idaho**) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable Idaho laws for the control of air pollution.
- C. The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
- 1) To enter at reasonable times upon the premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and
 - 2) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emission testing in conformance with the Department's **Procedures Manual for Air Pollution Control** when deemed appropriate by the Director.
- D. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- E. The permittee shall notify the Idaho Air Quality Bureau, in writing, of the required information for the following events within five working days after occurrence:
- 1) Initiation of Construction - Date
 - 2) Completion/Cessation of Construction - Date
 - 3) Actual Production Startup - Date
 - 4) Initial Date of Achieving Maximum Production Rate - Production Rate and Date
- F. If emission testing is specified, the permittee must schedule such testing within sixty (60) days after achieving the maximum production rate, but not later than one-hundred and eighty (180) days after initial startup. Such testing must **strictly** adhere to the procedures outlined in the Department's **Procedures Manual for Air Pollution Control**, and will not be conducted on weekends or state holidays. Testing procedures and specific time limitations may be modified by the Idaho Air Quality Bureau by prior negotiation if conditions warrant adjustment. The Idaho Air Quality Bureau shall be notified at least fifteen (15) working days prior to the scheduled compliance test. Any records or data generated as a result of such compliance test shall be made available to the Department upon request.
- The performance tests will be performed at the **maximum** production rate. If this maximum rate is not achieved during testing, the allowable production rate will be limited to the production rate attained during testing.
- G. The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

Exhibit B-1

Topographic Map – 1,000 Foot Radius



Universal Transverse Mercator (UTM) Projection Zone 11
 North American Datum of 1983
 100 meter UTM / USNG / MGRS
 Grid Zone Designation: 11T
 100,000-m Squares: NJ

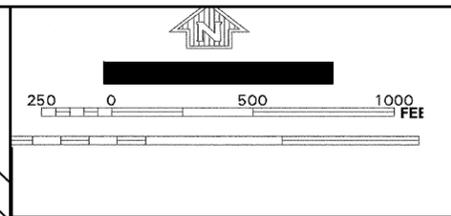
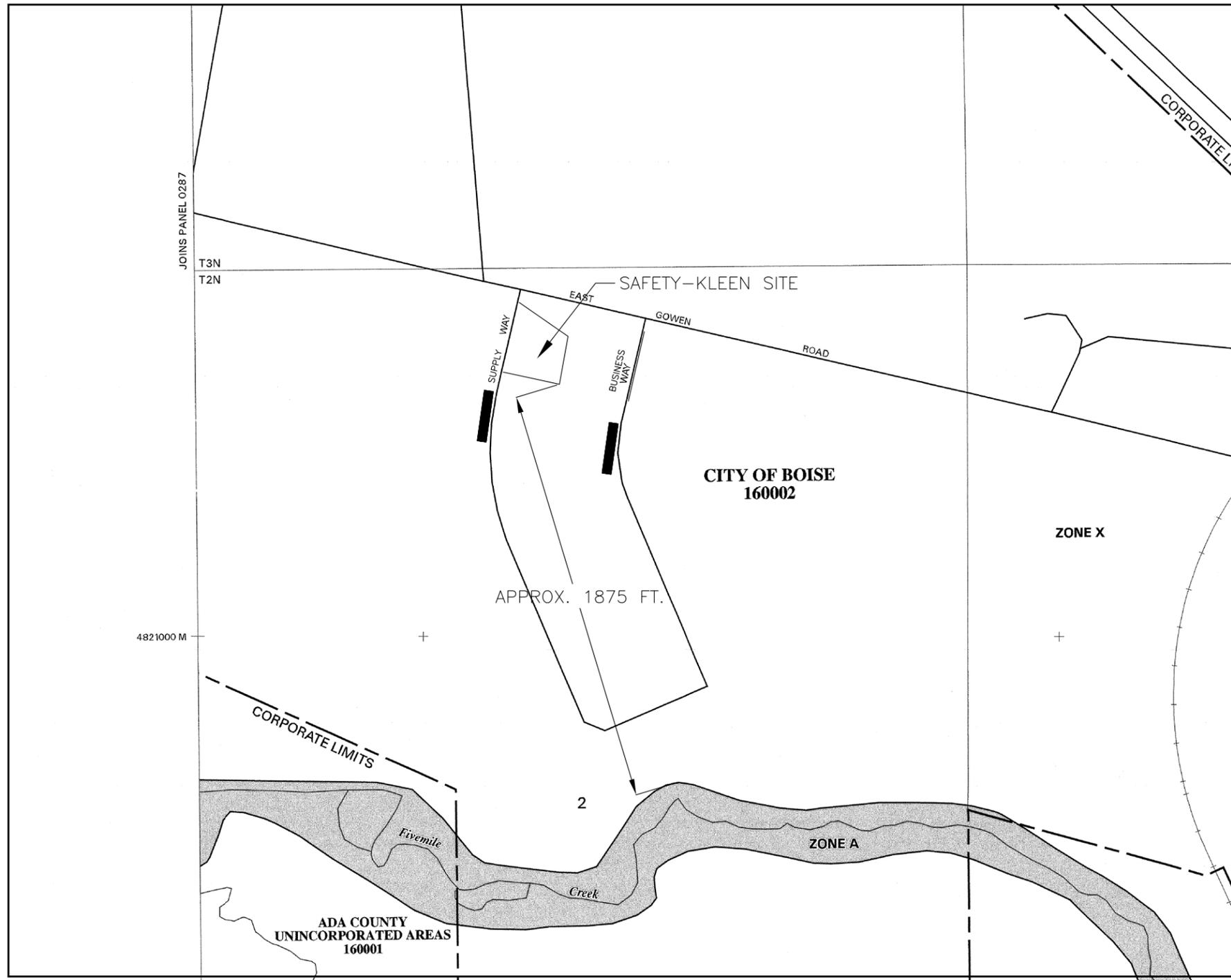
1:5000 scale
 0 100 200 300 400 500 Feet
 0 50 100 150 Meters
 SAFETY-KLEEN TOPOGRAPHIC MAP
 BOISE ID. 83716
 DWG. 37114-SPOO-028


 Magnetic declination of 13E at center of map
 on March 17, 2011

Exhibit B-1

Exhibit B-2

FIRM / FEMA Flood Plain Map



PANEL 0291 H

**FIRM
FLOOD INSURANCE RATE MAP**

**ADA COUNTY,
IDAHO AND
INCORPORATED AREAS**

PANEL 291 OF 875

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ADA COUNTY, UNINCORPORATED AREAS	160001	0291	H
BOISE, CITY OF	160002	0291	H

**MAP NUMBER
16001C0291 H**

**MAP REVISED:
FEBRUARY 19, 2003**

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

LEGEND

	SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD
ZONE A	No base flood elevations determined.
ZONE AE	Base flood elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain; average depths determined. For areas of alluvial fan flooding, velocities also determined).
ZONE A99	To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
ZONE V	Coastal flood with velocity hazard (wave action); no base flood elevations determined.
ZONE VE	Coastal flood with velocity hazard (wave action); base flood elevations determined.
	FLOODWAY AREAS IN ZONE AE
	OTHER FLOOD AREAS
ZONE X	Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.
	OTHER AREAS
ZONE X	Areas determined to be outside 500-year floodplain.
ZONE D	Areas in which flood hazards are undetermined.
	UNDEVELOPED COASTAL BARRIERS
	Identified 1983 Coastal Barrier Areas
	Identified 1990 Coastal Barrier Areas
	Otherwise Protected Areas
	Flood Boundary
	Floodway Boundary
	Zone D Boundary
	Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones
	Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.
	Cross Section Line
	Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.
	Elevation Reference Mark
	River Mile

NOTES

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Coastal base flood elevations apply only landward of 0.0 NGVD, and include the effects of wave action; these elevations may also differ significantly from those developed by the National Weather Service for hurricane evacuation planning.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, AH, AO, A99, V, and VE.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and/or Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1990 (P.L. 101-591). Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

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**Project Solutions
Companies**

2005 West Broadway • Suite 210 • Columbia • MO 65203
• Phone: (573) 443-7100 • Fax: (573) 443-7181 •

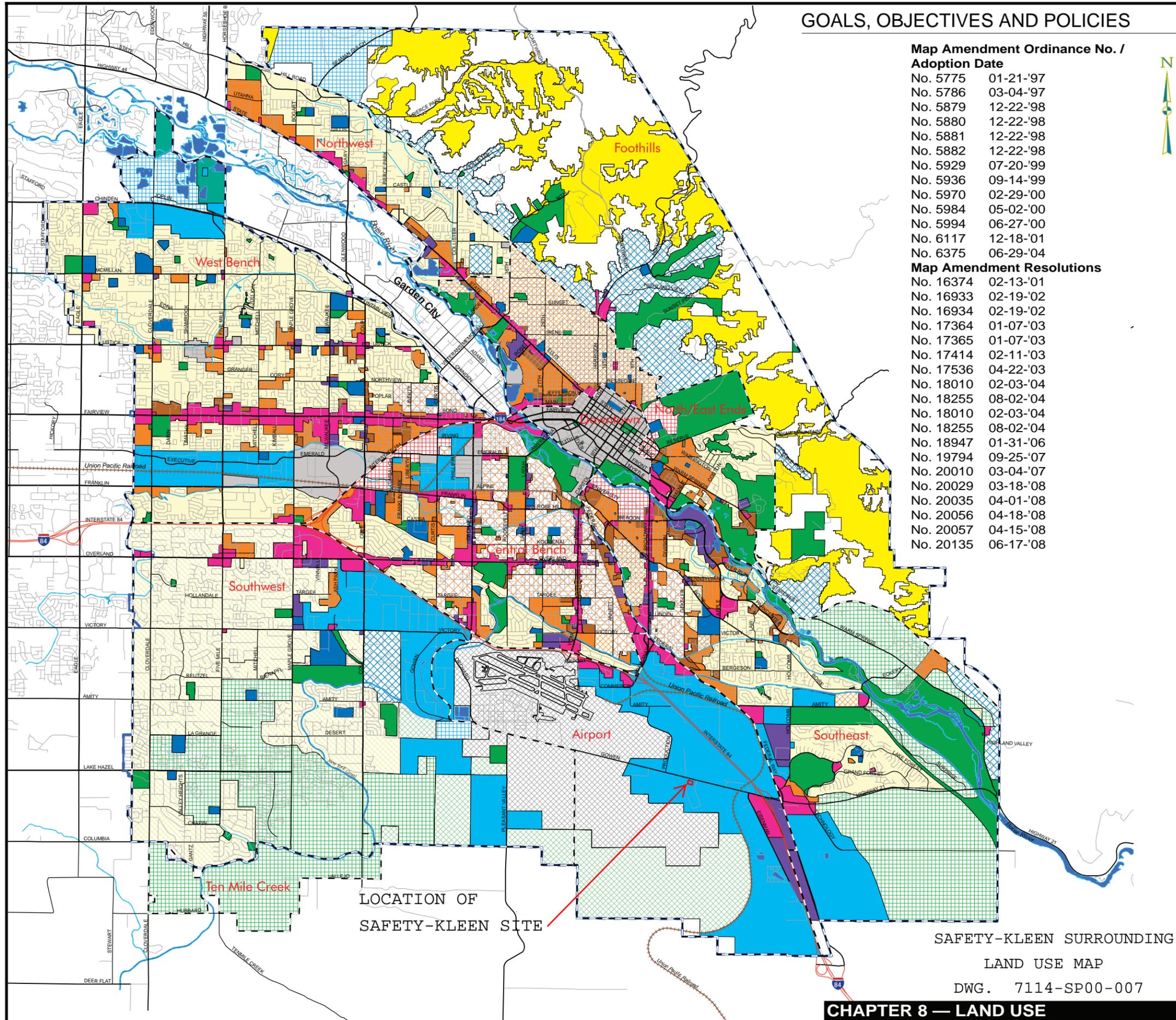
Exhibit B-2

NO.	DESCRIPTION	BY	CHK	APPR	DATE
A	APPROXIMATE DIST. TO FLOOD PLAIN	JEK	KDT	KDT	042314
0	NEW ISSUE FOR PERMIT	JEK	NC	NC	032014
REVISIONS					

TITLE					
FLOOD PLAIN MAP					
SAFETY-KLEEN SYSTEMS, INC.					
2600 N. CENT. EXPRESSWAY STE. 400 RICHARDSON, TX. 75080 PHONE: 800-669-5740					
SCALE AS SHOWN	BY JEK	CHKD NC	APPROVED NC	OPERATIONS NC	DATE 3/20/14
SERVICE CENTER LOCATION	BOISE, ID		SC-DWG NUMBER	7114-SPOO-025	REV. NO. 0

Exhibit B-3

City of Boise Land Use Map



- ### Land Use Map
- #### Land Use Designation
- Commercial
 - Industrial
 - Mixed Use
 - Office
 - School Site
 - Open Space
 - Airport
 - Airport Conservation Area
 - Institutional
 - Public Facility
- #### Residential
- Planned Community
 - High Density (43 DU/acre)
 - Medium Density (15 DU/acre)
 - Town Lot Density (8 DU/acre)
 - Low Density (6 DU/acre)
 - Low Density (4 DU/acre)
 - Estate Density (3 DU/acre)
 - Estate Density (2 DU/acre)
 - Rural Density (1 DU/40 acres)
- #### Foothills
- Slope Protection Area
 - Buildable Area
 - Rural Density (1 DU/40 Acres)
 - Plus Density Bonus for Clustering
 - Planning Area Boundaries

LOCATION OF SAFETY-KLEEN SITE

SAFETY-KLEEN SURROUNDING LAND USE MAP

DWG. 7114-SP00-007

Adoption Date: January 21, 1997

Note: This map should be used in conjunction with the Land Use/Zoning Consistency Matrix and the accompanying policies of the Land Use Chapter of the Boise City Comprehensive Plan.

Published September 17, 2008

Figure 8.1-2

Exhibit B-4

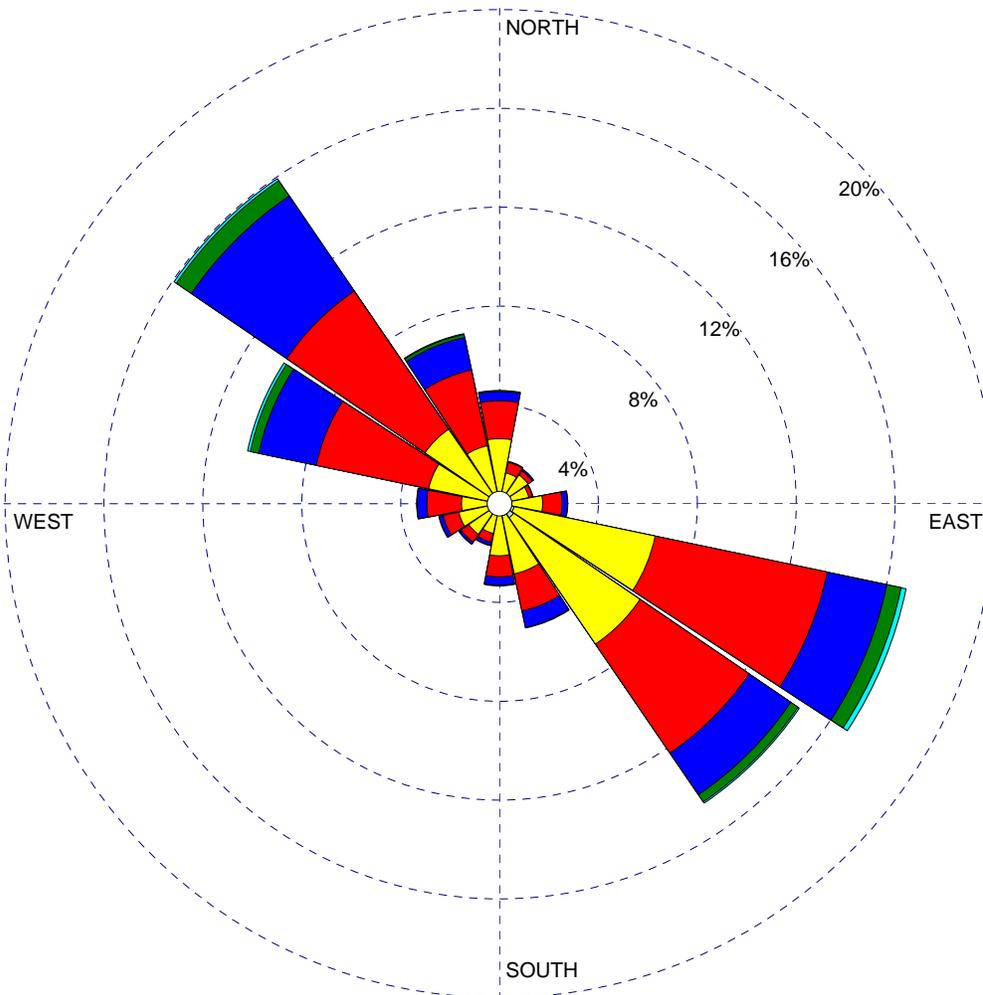
Wind Rose Map

WIND ROSE PLOT:

Station #24131 - BOISE/AIR TERMINAL, ID

DISPLAY:

**Wind Speed
Direction (blowing from)**



WIND SPEED
(m/s)

- >= 11.1
- 8.8 - 11.1
- 5.7 - 8.8
- 3.6 - 5.7
- 2.1 - 3.6
- 0.5 - 2.1

Calms: 5.12%

COMMENTS:

DATA PERIOD:

**Start Date: 1/1/1992 - 00:00
End Date: 12/31/1992 - 23:00**

COMPANY NAME:

SAFETY-KLEEN SYSTEMS, INC. BOISE, ID. 83716

MODELER:

JEK

CALM WINDS:

5.12%

TOTAL COUNT:

8784 hrs.

AVG. WIND SPEED:

3.82 m/s

DATE:

4/2/2014

DRAWING NO:

7114-SP00-049



Exhibit B-5

Office/Warehouse Floor Plan

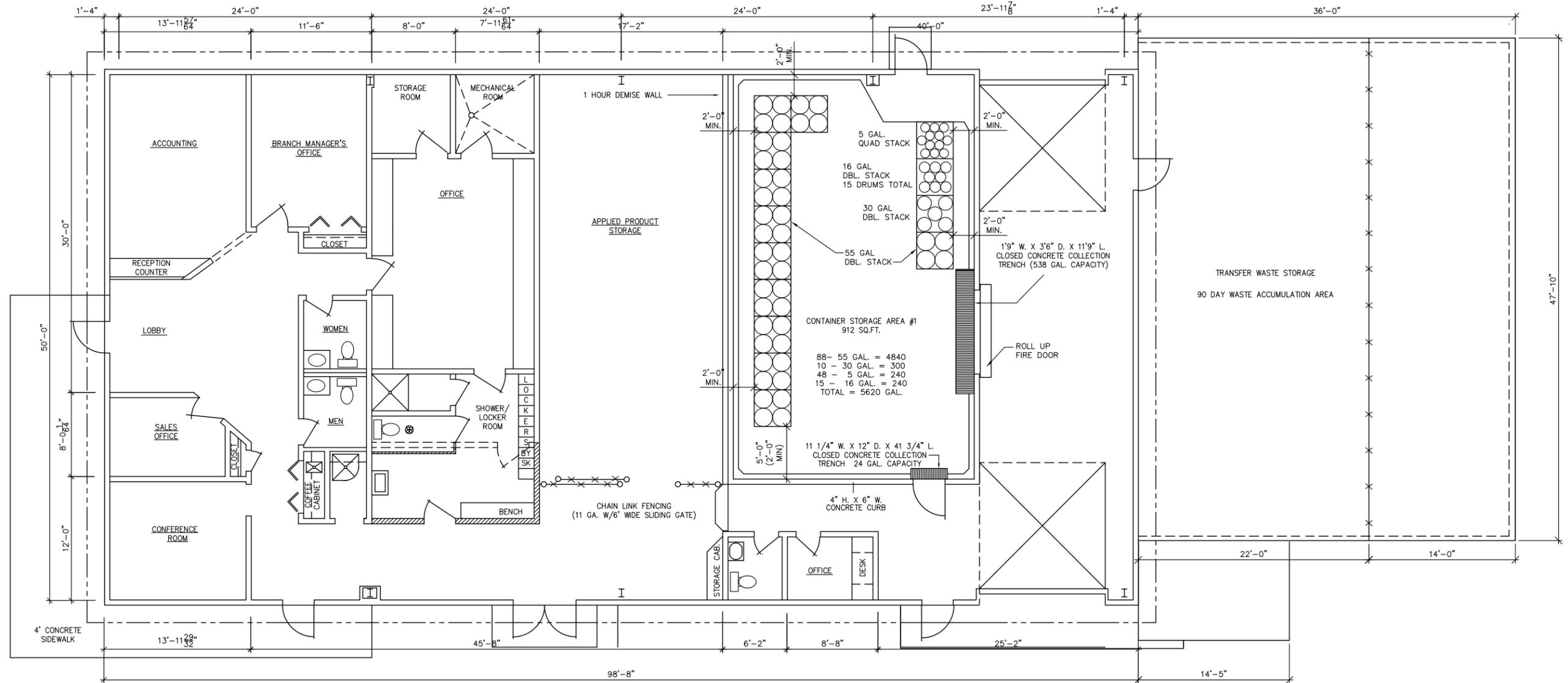
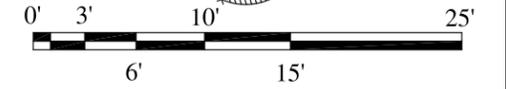


EXHIBIT B-5

GENERAL NOTES

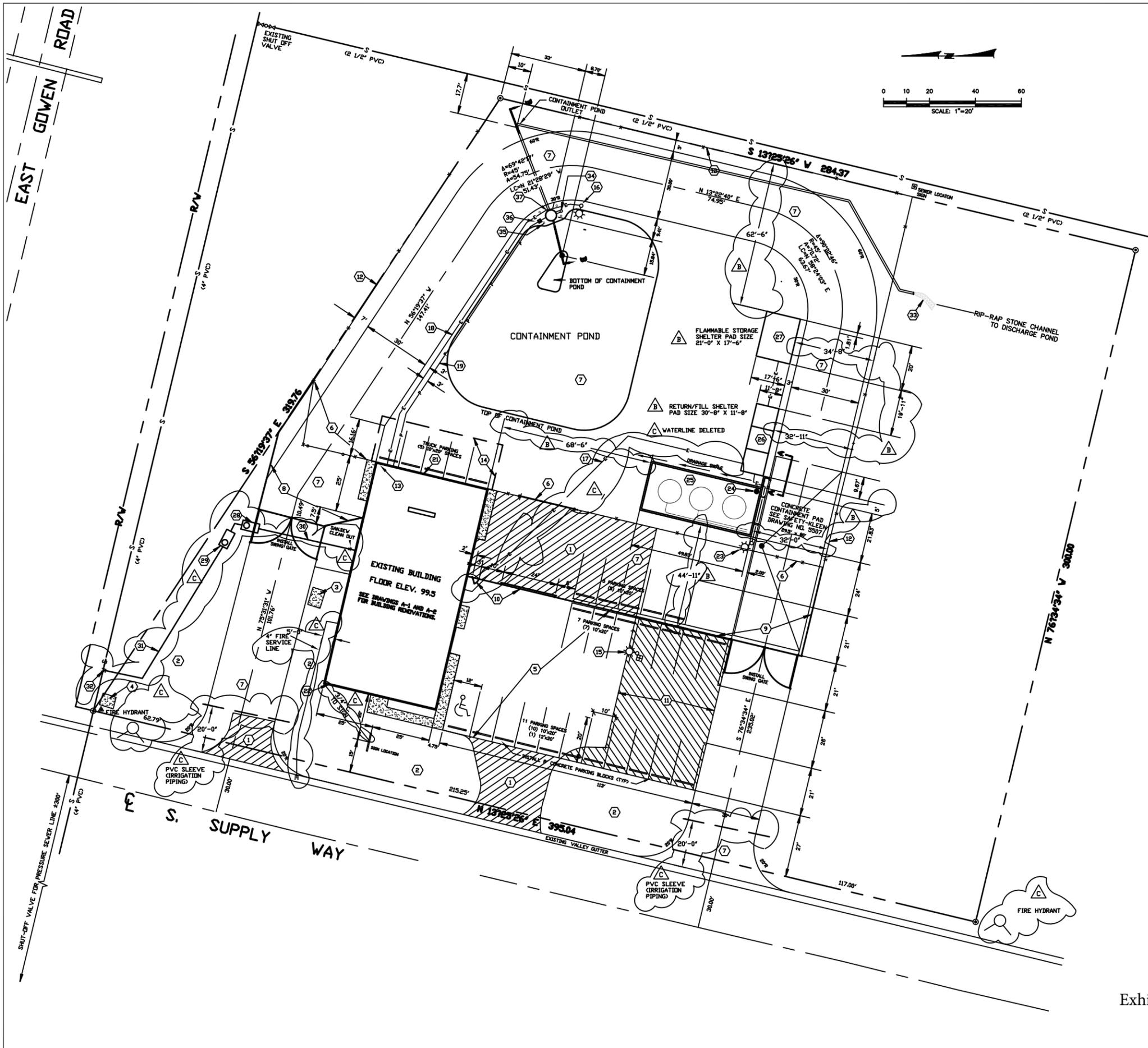
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TITLE		OFFICE /WAREHOUSE FLOOR PLAN	
SCALE		3/16" = 1'-0"	DATE 8-16-89
BY		AT	OP. APPR
SERVICE CENTER LOCATION		BOISE, ID	REV. NO. 4
SC-DWG NUMBER		7114-OB00-001	

NO.	DESCRIPTION	BY	CHK	APPR	DATE
04	PROVIDE 2' ISLE SPACE	JEK	NC	NC	033115
03	REVISED FOR PERMIT NOD	JEK	NC	NC	110314
02	REVISED FOR PERMIT	JEK	NC	NC	052814
01	ADD DOORS AND TRENCH TO DRUM STORAGE AREA	JKM	GO		031301
00	REVISED SAFETY-KLEEN DRAWING D13580 TO CAD AS DATED	JV			050191
REVISIONS					

Exhibit B-6

Site Layout and Utility Plan



KEY NOTES

- 1 REMOVE EXISTING ASPHALT
- 2 LANDSCAPE AREA, SEE SHEET NO. 4 OF 5 FOR LANDSCAPE PLAN.
- 3 POWER TRANSFORMER (RETAIN AND PROTECT).
- 4 INTERMOUNTAIN GAS REGULATOR STATION (RETAIN AND PROTECT).
- 5 EXISTING ASPHALT PARKING AREA (RETAIN AND PROTECT). RESEAL WITH ASPHALT SEALANT.
- 6 REMOVE EXISTING FENCE AND GATES.
- 7 INSTALL CONCRETE PAVING, SEE SHEET NO. 5 OF 5 FOR TYPICAL SECTION.
- 8 INSTALL 480 L.F. 6" CHAIN LINK FENCE WITH SCREEN SLATS AND 3 STRANDS BARBED WIRE AND SWING GATE.
- 9 INSTALL 4133 L.F. 6" CHAIN LINK FENCE WITH SCREEN SLATS AND 3 STRANDS BARBED WIRE AND SWING GATE.
- 10 INSTALL 6"x24" CHAIN LINK ROLL GATE AND 3' WIDE PASSAGE GATE WITH SCREEN SLATS AND 3 STRANDS BARBED WIRE.
- 11 INSTALL ASPHALT PARKING AREA, SEE SHEET NO. 5 OF 5 FOR TYPICAL SECTION.
- 12 EXISTING FENCE (RETAIN AND PROTECT)
- 13 INSTALL A 5 HP AIR COMPRESSOR WITH A 80 GALLON AIR TANK INSIDE BUILDING. CONNECT COMPRESSOR TO AIR LINE TO CONTAINMENT POND PLUMBING SYSTEM.
- 14 REMOVAL AND INSTALLATION OF NEW CANOPY BY OTHERS.
- 15 RELOCATE EXISTING YARD LIGHT AND INSTALL A 110V ELECTRICAL OUTLET ON POLE. REMOVE EXISTING LIGHT STANDARD BASE.
- 16 INSTALL YARD LIGHT WITH 110V ELECTRICAL OUTLET ON POLE.
- 17 INSTALL ELECTRICAL SERVICE IN ELECTRICAL CONDUIT TO THE "RETURN AND FILL SHELTER", "LIQUID STORAGE SHELTER" AND THE "RELOCATED YARD LIGHT".
- 18 INSTALL ELECTRICAL SERVICE IN ELECTRICAL CONDUIT TO NEW YARD LIGHT.
- 19 INSTALL AIR LINE FROM COMPRESSOR TO CONTAINMENT POND PUMP IN 2" PVC CONDUIT.
- 20 NOT USED
- 21 INSTALL A 110V ELECTRICAL OUTLET MOUNTED ON OUTSIDE OF BUILDING WALL AT EACH OF FIVE PARKING STALLS.
- 22 FUTURE FIRE DEPARTMENT CONNECTION, KNEX BOX LOCATION AND FIRE SPRINKLER SIGN. SEE SHEET NO. 5 OF 5 FOR SIGN DETAIL.
- 23 RELOCATED YARD LIGHT (SEE KEY NOTE NO. 15).
- 24 SEE SUMP DETAIL SAFETY-KLEEN DRAWING NO. 5.
- 25 THREE TANKFARM STORAGE FACILITY. SEE SAFETY-KLEEN DRAWING NO. 4.
- 26 10'x30' THREE BAY RETURN AND FILL SHELTER. SEE DRAWING NO. B-2.
- 27 15'x20' FLAMMABLE LIQUID STORAGE SHELTER. SEE DRAWING NO. B-3.
- 28 EXISTING 1000 GALLON SEPTIC TANK, VERIFY LOCATION AND SIZE.
- 29 INSTALL 750 GALLON SEPTIC TANK FOR CLEAR LIQUID PUMPING CHAMBER. ASPHALT COATED INSIDE AND OUT.
- 30 INSTALL #36 L.F. OF 4" PVC SEWER PIPE.
- 31 INSTALL #116 L.F. OF 1 1/2" PVC PRESSURE SEWER PIPE.
- 32 CONNECT TO EXISTING 4" PVC PRESSURE SEWER LINE. A SEWER TAP PERMIT IS REQUIRED BY BOISE CITY PRIOR TO CONNECTION. THE 4" PRESSURE SEWER LINE CANNOT BE SHUT DOWN TO MAKE TAP.
- 33 RIPRAPED DRAINAGE CHANNEL. RIPRAP TO BE 4'-6" STONE.
- 34 TANKER HOOKUP CONNECTION PIPE.
- 35 INSTALL 4 GALVANIZED IRON PIPE BOLLARDS.
- 36 INSTALL AIR PRESSURE SHUT-OFF VALVE. SEE DETAIL SHEET NO. 5 OF 5.
- 37 MANHOLE WITH SUBMERSIBLE PUMP. SEE SHEET NO. 5 OF 5 FOR CROSS SECTION AND DETAILS.

SEPTIC SYSTEM NOTES

- 1 SEPTIC SYSTEM TO BE A DUAL TANK SYSTEM. THE FIRST TANK TO RETAIN ALL SOLIDS AND THE SECOND TANK FOR PUMPING CLEAR LIQUIDS INTO PRESSURE SEWER SYSTEM.
- 2 CONTRACTOR TO PROVIDE AND INSTALL ELECTRICAL PANEL WITH CIRCUIT BREAKER, ALARM LIGHT AND AUDIBLE ALARM.
- 3 CONTRACTOR TO PROVIDE AND INSTALL 750 GALLON SEPTIC TANK FOR CLEAR LIQUID PUMPING CHAMBER, SUBMERSIBLE EFFLUENT PUMP (PEABODY-BARNES STEP102 OR APPROVED EQUAL), ALL PIPING, CHECK VALVE, 1 1/2" BRASS GATE VALVE IN OUTLET PIPE AND MERCURY FLOAT SWITCHES FOR ON, OFF AND ALARM.
- 4 CONTRACTOR MAY REFER TO CTM ENGINEERING DRAWING OF "INDIVIDUAL PUMPING SYSTEMS", DATED JUNE 13, 1980, FOR TYPICAL PUMPING SYSTEM LAYOUT. THIS DOCUMENT IS INCLUDED IN THESE CONSTRUCTION PLANS AS SHEET NO. S-1.
- 5 A PLUMBING PERMIT IS REQUIRED FROM THE BOISE CITY BUILDING DEPARTMENT FOR ALL ONSITE SEWER WORK.

BENCH MARKS

T.B.M. NO. 1 - TOP OF N.V. BOLT ON LIGHT POLE ASSUMED ELEV. 100.00

ASBUILT NOTES

- A. ASBUILT INFORMATION HAS BEEN ADDED TO CONSTRUCTION DRAWINGS AS PROVIDED BY SAFETY-KLEEN. DRAWING REVISIONS HAVE BEEN MADE ONLY TO REFLECT ASBUILT CONDITIONS. NO OTHER REPRESENTATIONS ARE MADE.
- B. INDICATES ASBUILT MEASUREMENT OR FIELD VERIFICATION OF EXISTING CONDITION ON 2/10/93.
- C. INDICATES ASBUILT MEASUREMENT TAKEN BY CONTRACTOR.

TOOTHMAN-ORTON ENGINEERING COMPANY
CONSULTING ENGINEERS, SURVEYORS AND PLANNERS

1802 NORTH 33RD STREET
BOISE, IDAHO 83703
(208) 342-5511

SAFETY-KLEEN CORP.

LOTS 1 THRU 3, BLOCK 2
BOISE INDUSTRIAL FOUNDATION SUBDIVISION NO. 5

SITE LAYOUT AND UTILITY PLAN

PROJECT NO.		DATE		BY		CHECKED		APPROVED	
91032		3/19/92		JF		JF		JF	
NO.	REVISIONS	DATE	BY	CHECKED	APPROVED				
1	KEY NOTE 31 & 32. SEPTIC SYSTEM NOTE NO. 5	3/19/92	JF						
2	KEY NOTE 7, 8 & 9. ADDITIONAL PUMP REMOVAL	5/25/92	JF						
3	ADD 2 COLLECTION INLETS TO EXIST BUILDING	6/24/92	JF						
4	DELETE 2 COLLECTION INLETS TO EXIST BLDG.	8/26/92	JF						
5	ASBUILT	3/03/93	JF						

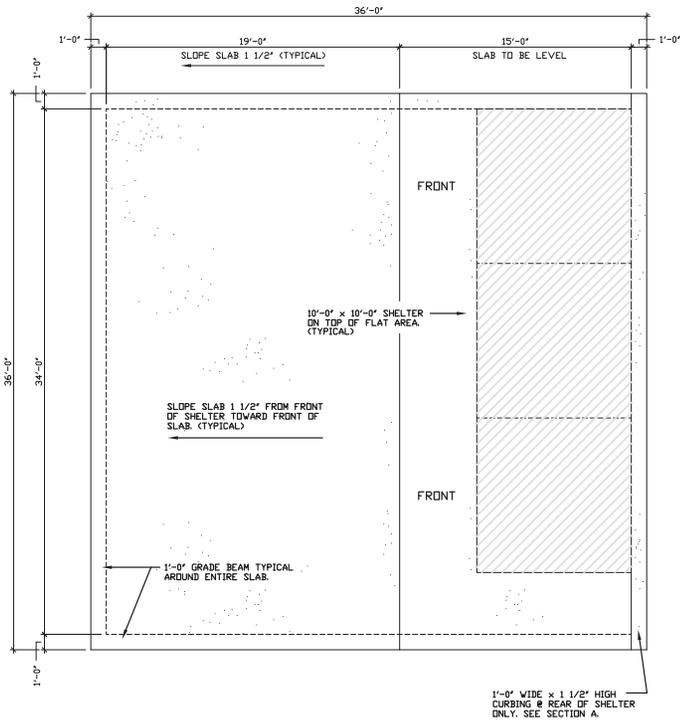
Exhibit B-6

Exhibit B-7

3-Bay Return and Fill Diagram

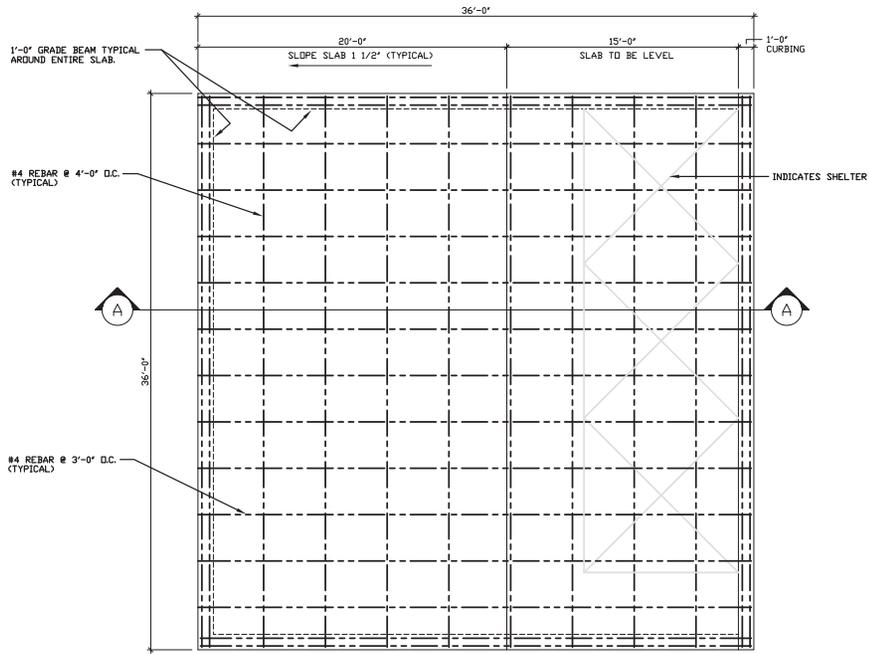
Exhibit B-8

3-Bay Return and Fill Concrete Slab



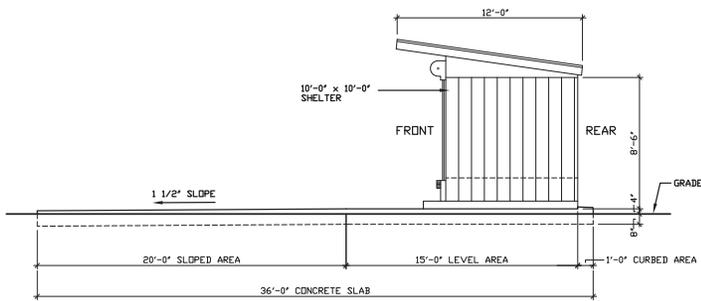
PLAN - CONCRETE SLAB W/SHELTERS

SCALE: 1/4" = 1'-0"



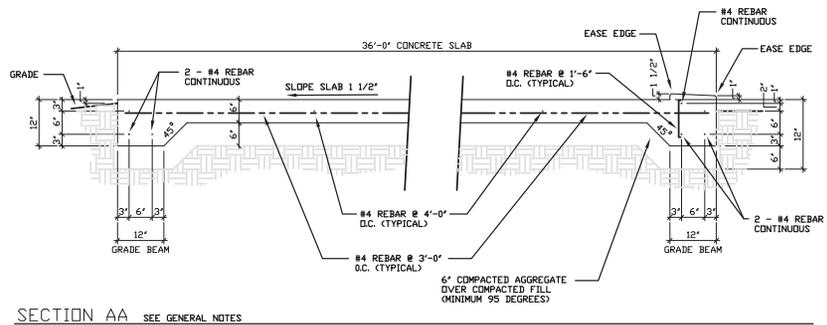
PLAN - CONCRETE SLAB REINFORCING

SCALE: 1/4" = 1'-0"



ELEVATION - CONCRETE SLAB W/SHELTERS

SCALE: 1/4" = 1'-0"



SECTION AA SEE GENERAL NOTES

SCALE: 3/4" = 1'-0"

Exhibit B-8

GENERAL NOTES

- 1.) ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, 315 AND 318 LATEST EDITIONS. FOLLOW ACI RECOMMENDATIONS FOR COLD AND HOT WEATHER CONDITIONS.
- 2.) ALL CONCRETE SLABS SHALL BE COVERED WITH BURLAP AND KEPT CONTINUOUSLY MOIST FOR A MINIMUM PERIOD OF FIVE DAYS.
- 3.) ALL CURBS SHALL BE CAST MONOLITHICALLY WITH SLAB.
- 4.) SLOPE CONCRETE SLAB AS SHOWN ON PLAN.
- 5.) MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 3" FOR CONCRETE CAST AGAINST SOIL AND 2" FOR CONCRETE EXPOSED TO WEATHER.
- 6.) ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH MAX. SIZE AGGREGATE OF 1 1/2" AND ENTRAINED AIR OF .4% - .6% IN ADDITION FOR TRUCK STATION MIN. MODULUS OF RUPTURE OF 600 PSI AT 28 DAYS WITH MAX. W/C RATIO OF .50 AND MIN. CEMENT FACTOR OF 560 LB/CY.
- 7.) ALL REBAR SHALL BE GRADE 50 BILLET STEEL CONFORMING TO ASTM A-615.
- 8.) SHELTER REQUIRED PREPARATION: REMOVE SURFACE AND UNDERLIT SOIL TO THE PROPER SUB GRADE ELEVATION. SCARIFY AND RECOMPACT THE TOP 8" OF EXISTING SUB GRADE SOIL. INSTALL MIRAFI SOOK GEOTEXTILE OR APPROVED EQUAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. BACK FILL AND COMPACT WITH AN 8" LAYER OF STRUCTURAL FILL (3" MINUS WELL GRADED CRUSHED STONE) AND 6" LAYER OF GRANULAR FILL (1" MINUS WELL GRADED CRUSHED STONE). SUBGRADE MATERIAL SHALL BE COMPACTED TO 95%. STRUCTURAL FILL AND GRANULAR FILL MATERIALS SHALL BE COMPACTED TO 100% OF THE STANDARD PROCTOR MAX. DRY DENSITY AND UNIFORM OVER THE ENTIRE AREA. ACTUAL GRADE PREPARATION MAY VARY DUE TO EXISTING SOIL CONDITIONS.
- 9.) SWALE EXISTING GRADE AWAY FROM SHELTER AS REQUIRED SO AS TO PREVENT SURFACE RUN-OFF FROM SETTLING IN THE PAD AREA.

PROPRIETARY STATEMENT

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Phone: (573) 443-7100 • Fax: (573) 443-7181

TITLE
3 BAY RETURN/FILL SHELTER
CONCRETE SLAB DETAILS

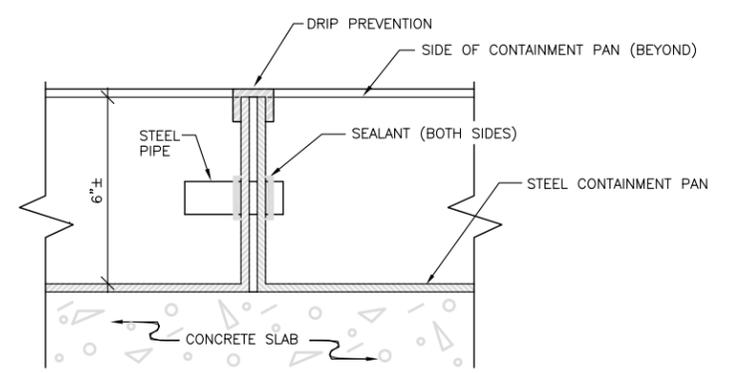
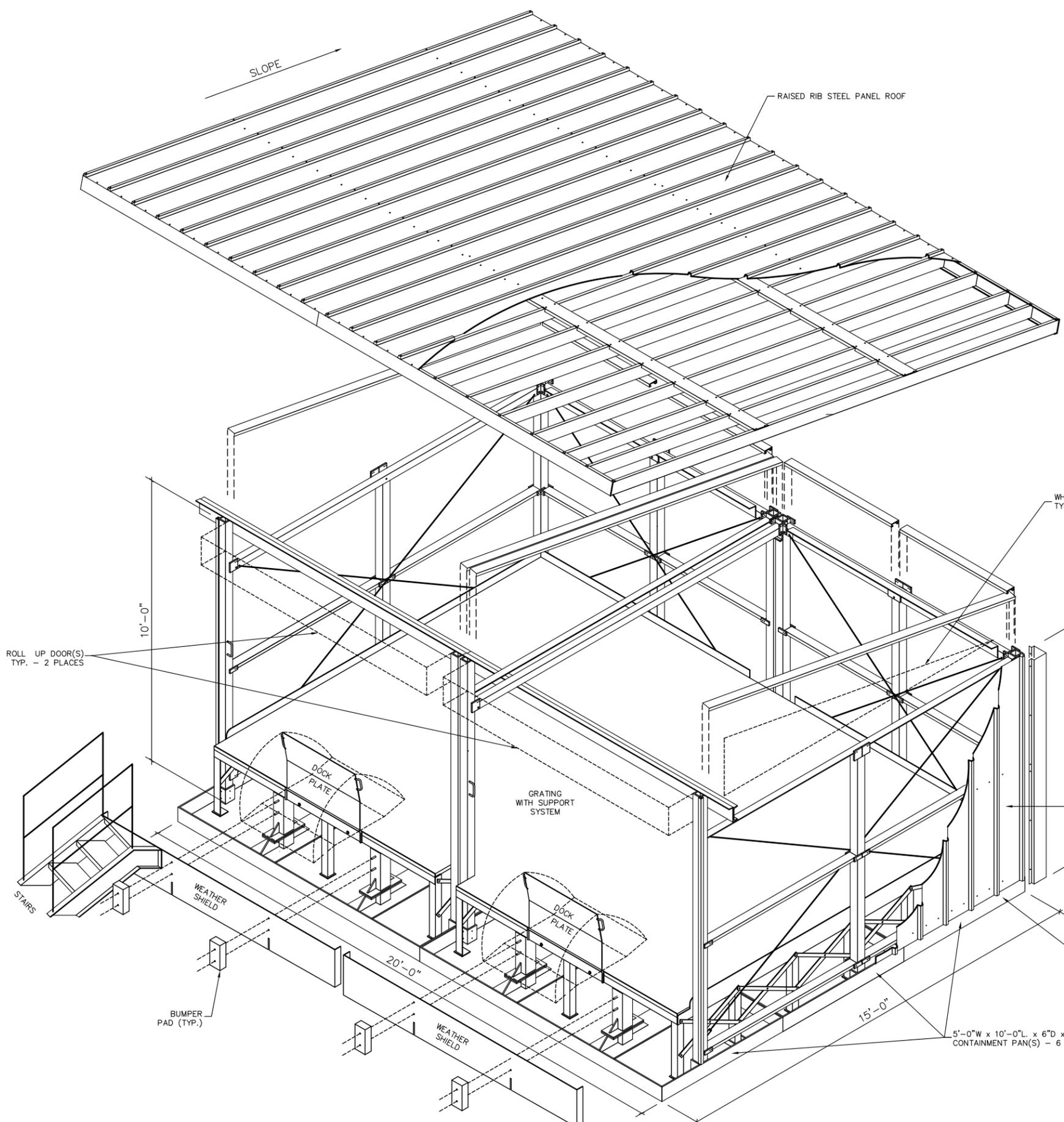
SAFETY-KLEEN SYSTEMS, INC.
2600 N. CENT. EXPRESSWAY STE 400 RICHARDSON, TX. 75080
PHONE 800-868-5740

NO.	DESCRIPTION	BY	CHK	APPR	DATE
0	MADE FROM DRAWING 5000-00.	RD	KJM		10/26/93
REVISIONS					

SCALE	BY	CHKD	APPROVED	OPERATIONS	DATE
AS NOTED					9/28/91
SERVICE CENTER STANDARDS	STD-DWG NUMBER				REV. NO.
CONCRETE	BSD-505				0

Exhibit B-9

2-Bay Flammable Storage Shelter (CSA2) Diagram



1 CONTAINMENT PAN SECTION
150 TYPICAL CONSTRUCTION NO SCALE

CONTAINMENT CALC

20'-0" x 15'-0" x 6" x 7.48 CF/GAL.	= +1,122 GAL.
2% MISC DISPL. FOR COLUMNS/RAILS	= -22 GAL.
TOTAL CONTAINMENT	= +1,100 GAL.

GENERAL NOTES

PROPRIETARY STATEMENT

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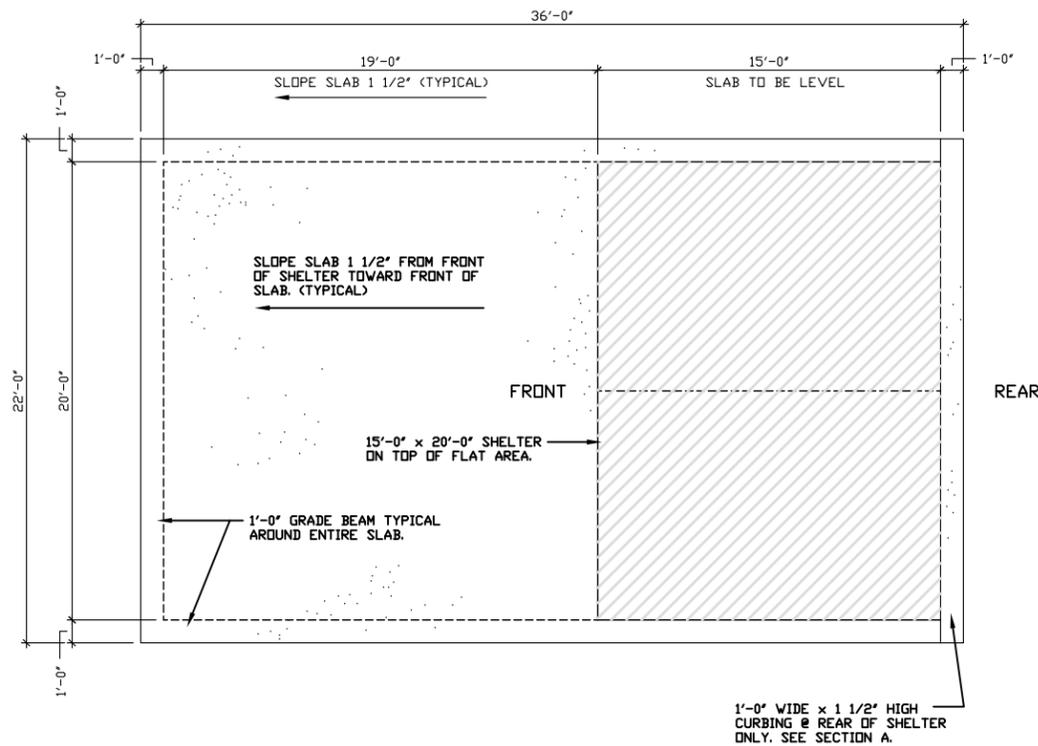
Exhibit B-9

NO.	DESCRIPTION	BY	CHK	APPR	DATE
REVISIONS					

TITLE										
CLASS 1B STORAGE BLDG. ISOMETRIC - EXISTING										
SAFETY-KLEEN SYSTEMS, INC. 5400 LEGACY DR. CLUSTER III, BLDG. 3 PLANO, TX 75024 PHONE: 800-669-5740										
B	RE-RELEASED FOR PART 'B' PERMIT	JKE	NC	NC	042114	SCALE	BY	CHKD	APPROVED	OPERATIONS
A	RELEASED FOR PART 'B' PERMIT	MBH	KJM	-	011993	1/2"=1'-0"	MBH	KJM	-	-
							SERVICE CENTER LOCATION	SC-DWG NUMBER		REV. NO.
							BOISE, ID	7114-7100-602		B

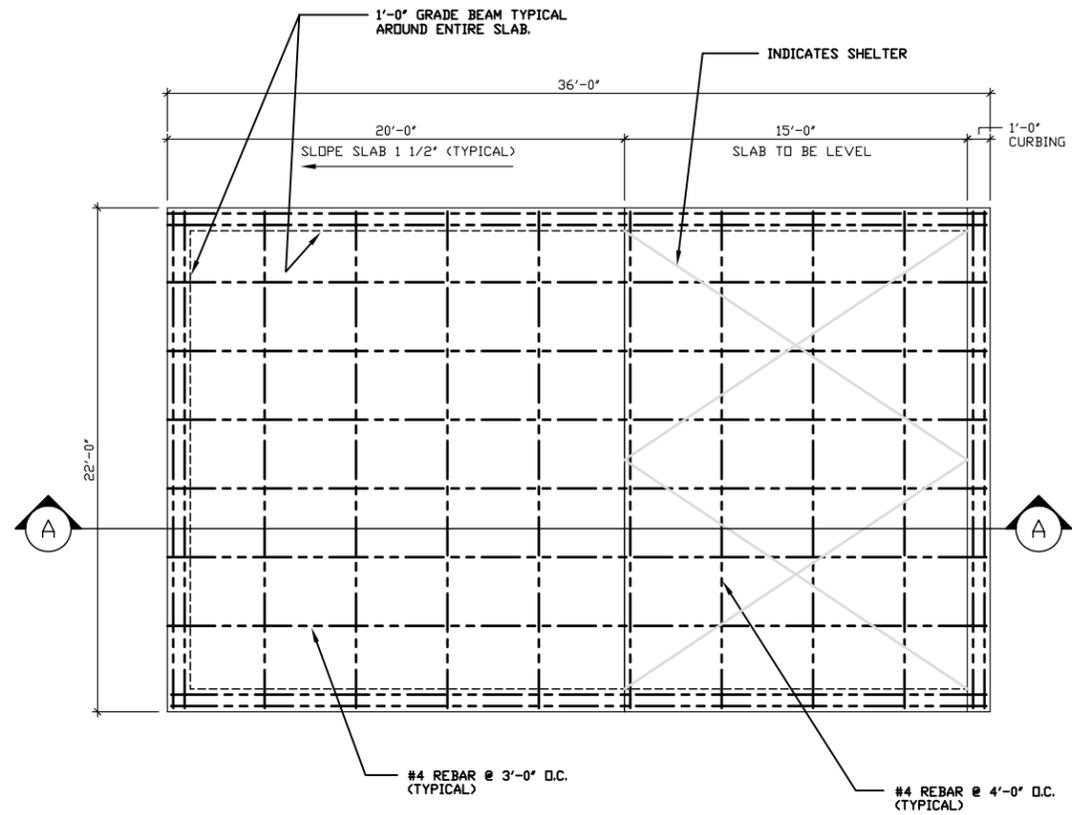
Exhibit B-10

2-Bay Flammable Storage Shelter
Concrete Slab



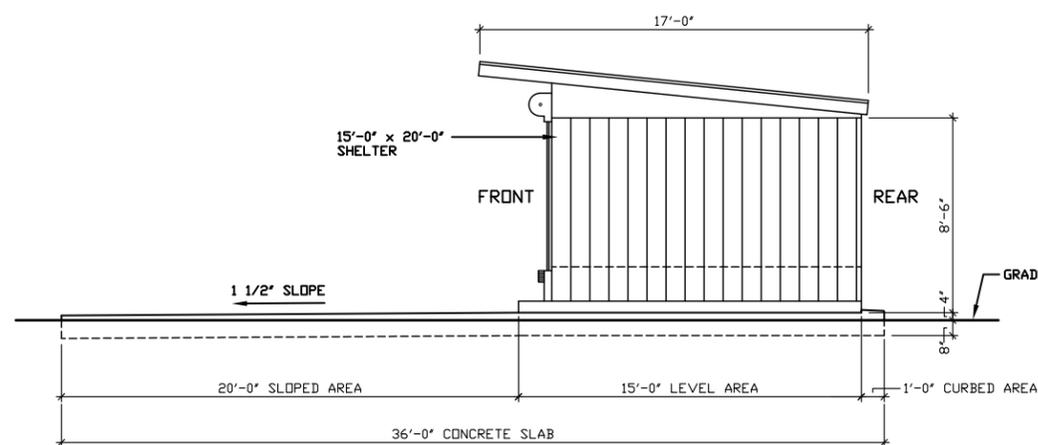
PLAN - CONCRETE SLAB W/SHELTER

SCALE: 1/4" = 1'-0"



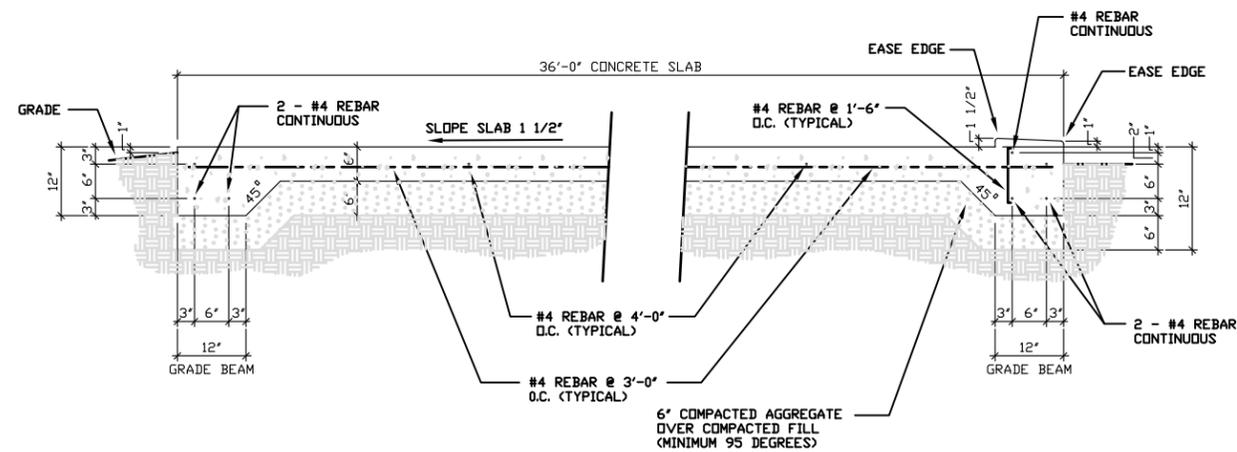
PLAN - CONCRETE SLAB REINFORCING

SCALE: 1/4" = 1'-0"



ELEVATION - CONCRETE SLAB W/SHELTER

SCALE: 1/4" = 1'-0"



SECTION AA SEE GENERAL NOTES

SCALE: 3/4" = 1'-0"

Exhibit B-10

GENERAL NOTES

- 1.) ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, 315 AND 318 LATEST EDITIONS. FOLLOW ACI RECOMMENDATIONS FOR COLD AND HOT WEATHER CONDITIONS.
- 2.) ALL CONCRETE SLABS SHALL BE COVERED WITH BURLAP AND KEPT CONTINUOUSLY MOIST FOR A MINIMUM PERIOD OF FIVE DAYS.
- 3.) ALL CURBS SHALL BE CAST MONOLITHICALLY WITH SLAB.
- 4.) SLOPE CONCRETE SLAB AS SHOWN ON PLAN.
- 5.) MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 3" FOR CONCRETE CAST AGAINST SOIL AND 2" FOR CONCRETE EXPOSED TO WEATHER.
- 6.) ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH MAX. SIZE AGGREGATE OF 1 1/2" AND ENTRAINED AIR OF 4% - 6% IN ADDITION FOR TRUCK STATION MIN. MODULUS OF RUPTURE OF 600 PSI AT 28 DAYS WITH MAX. W/C RATIO OF .50 AND MIN. CEMENT FACTOR OF 560 LB/CY.
- 7.) ALL REBAR SHALL BE GRADE 50 BILLET STEEL CONFORMING TO ASTM A-615.
- 8.) SHELTER REQUIRED PREPARATION: REMOVE SURFACE AND UNDERCUT SOIL TO THE PROPER SUB GRADE ELEVATION. SCARIFY AND RECOMPACT THE TOP 8" OF EXISTING SUB GRADE SOIL. INSTALL MIRAFI 500X GEOFABRIC OR APPROVED EQUAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. BACK FILL AND COMPACT WITH AN 8" LAYER OF STRUCTURAL FILL (3" MINUS WELL GRADED CRUSHED STONE) AND 6" LAYER OF GRANULAR FILL (1" MINUS WELL GRADED CRUSHED STONE). SUBGRADE MATERIAL SHALL BE COMPACTED TO 95%. STRUCTURAL FILL AND GRANULAR FILL MATERIALS SHALL BE COMPACTED TO 100% OF THE STANDARD PROCTOR MAX. DRY DENSITY AND UNIFORM OVER THE ENTIRE AREA. ACTUAL GRADE PREPARATION MAY VARY DUE TO EXISTING SOIL CONDITIONS.
- 9.) SWALE EXISTING GRADE AWAY FROM SHELTER AS REQUIRED SO AS TO PREVENT SURFACE RUN-OFF FROM SETTLING IN THE PAD AREA.

PROPRIETARY STATEMENT

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2005 West Broadway • Suite 210 • Columbia • MO 65203
 Phone: (573) 443-7100 • Fax: (573) 443-7181

TITLE		CONCRETE SLAB DETAILS FOR 2 BAY SHELTERS	
SAFETY-KLEEN SYSTEMS, INC.		2600 N. CENT. EXPRESSWAY STE 400 RICHARDSON, TX. 75080 PHONE 800-669-5740	
0	MADE FROM DRAWING 5001.	RD	KJM
NO.	DESCRIPTION	BY	CHK
REVISIONS		APPR	DATE
SCALE AS NOTED	BY	CHKD	APPROVED
OPERATIONS	DATE	STANDARD	NO.
CONCRETE	BSD-504	0	0

Exhibit B-11

Area Traffic Pattern

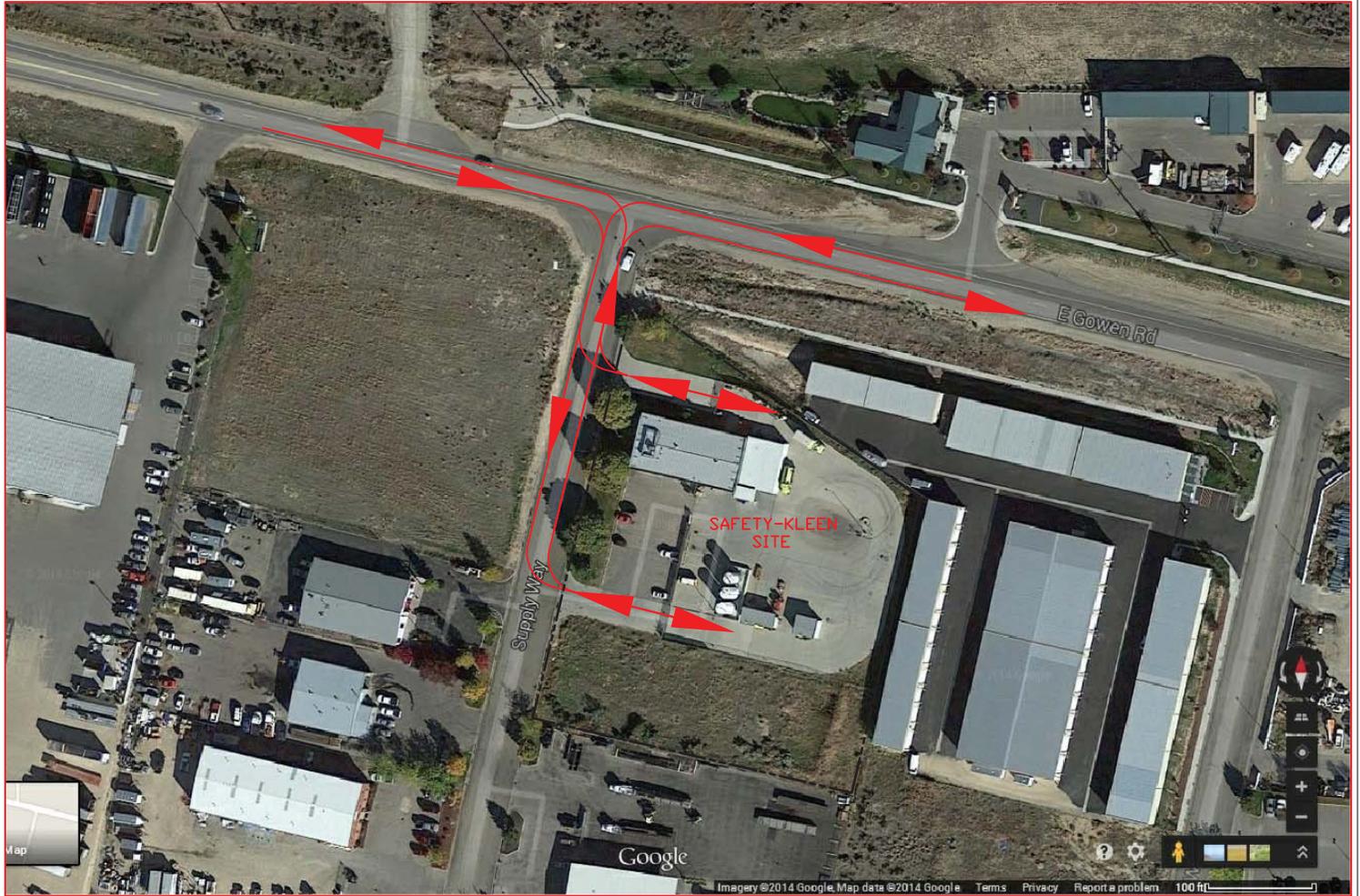


Exhibit B-11

PROPRIETARY STATEMENT

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SAFETY-KLEEN SYSTEMS, INC.
 6334 SUPPLY WAY
 BOISE, ID. 86716
 TRAFFIC MAP

SAFETY-KLEEN SYSTEMS, INC.
 2600 N. CENT. EXPRESSWAY STE 400 RICHARDSON, TX. 75080
 PHONE 800-669-5740

SCALE NONE	BY JEK	CHKD KDT	APPR KDT	OP. APPR KDT	DATE 4/2/14
STANDARD BRANCH BOISE, ID			SC-DWG NUMBER 7114-SP00-034		REV. NO. 0

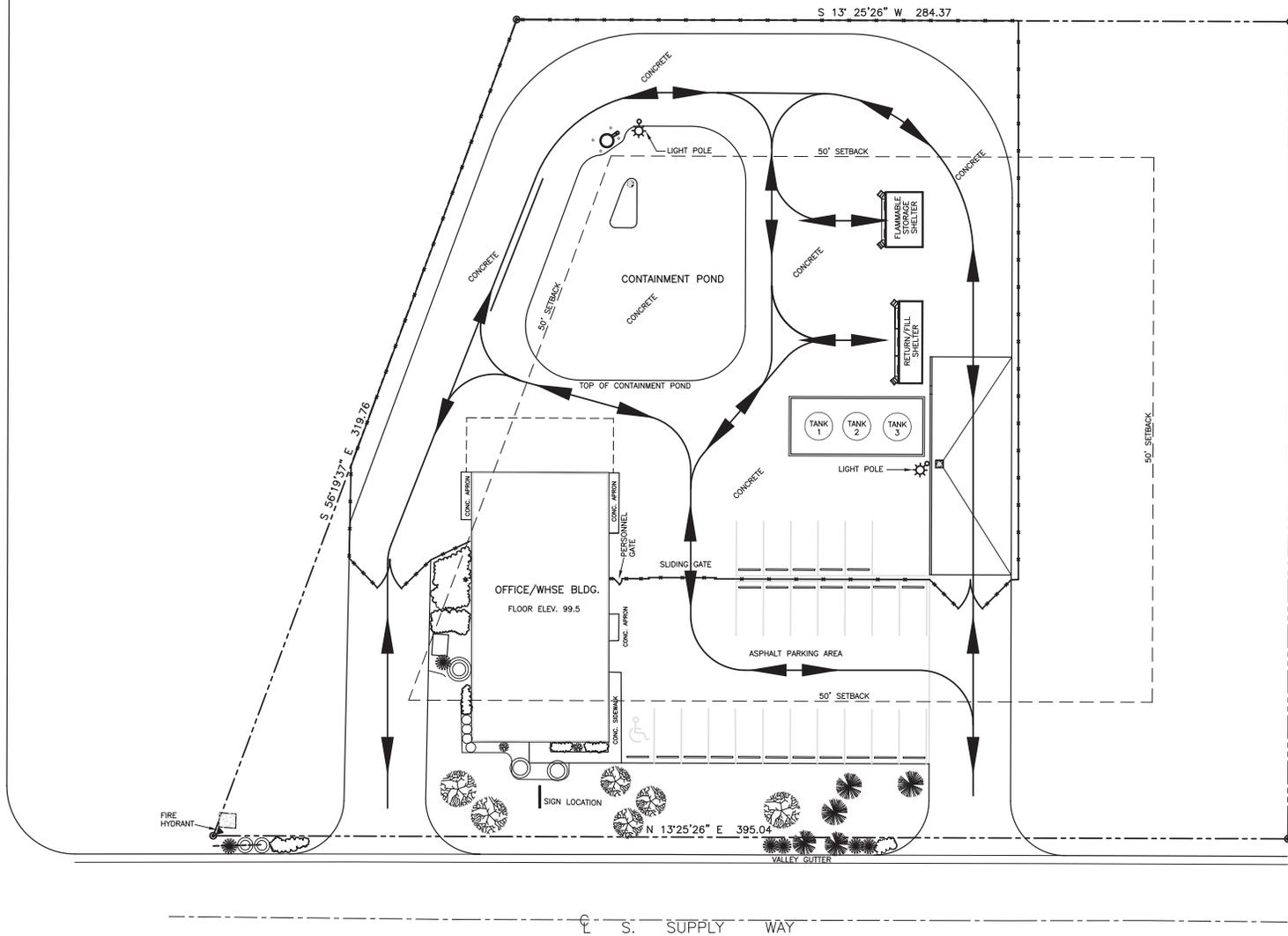


2005 W. Broadway • Suite 210 •
 Columbia • MO 65203
 Phone: (573) 443-7100
 Fax: (573) 443-7181

Exhibit B-12

Site Traffic Pattern

EAST GOWEN ROAD



GENERAL NOTES

Exhibit B-12

TANK LEGEND

TANK NO.	TANK VOLUME	TANK CONTENTS	REMARKS
1	12,000 USG	USED MINERAL SPIRITS	10'-6" F&D BOTTOM TANK
2	12,000 USG	OUT OF SERVICE	10'-6" F&D BOTTOM TANK FORMER 105 CMS TANK
3	12,000 USG	CLEAN 150' MINERAL SPIRITS	10'-6" F&D BOTTOM TANK

REVISIONS

NO.	DESCRIPTION	BY	CHK	APPR	DATE
A	RELEASED TO WEY FOR REVIEW	MBH	KJM	WEY	05/31/96
B	ADDED LANDSCAPING	MBH	KJM	WEY	05/31/96
C	REVISED FOR PERMIT	JEK	NC	NC	01/28/13

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2005 West Broadway - Suite 210 - Columbia - MD 65203
Phone: (573) 443-7100 • Fax: (573) 443-7181

TITLE
TRAFFIC FLOW PATTERNS

S SAFETY-KLEEN SYSTEMS, INC.
2600 N. CENT. EXPRESSWAY STE. 400 RICHARDSON, TX. 75080
PHONE 800-669-5740

SCALE	BY	CHKD	APPROVED	OPERATIONS	DATE
1"=20'-0"	JKM				05-31-96
SERVICE CENTER LOCATION	SC-DWG NUMBER		REV. NO.		
BOISE, ID	7114-SPOO-004		C		

Exhibit B-13

Site Grading and Drainage Plan



KEY NOTES

- 1 MATCH EXISTING CONCRETE VALLEY GUTTER.
- 2 LANDSCAPE AREA, SEE SHEET NO. 4 OF 5 FOR LANDSCAPE PLAN.
- 3 POWER TRANSFORMER (RETAIN AND PROTECT).
- 4 INTERMOUNTAIN GAS REGULATOR STATION (RETAIN AND PROTECT).
- 5 EXISTING ASPHALT PARKING AREA (RETAIN AND PROTECT). RESEAL WITH ASPHALT SEALANT.
- 6 INSTALL ASPHALT PARKING AREA, SEE SHEET NO. 5 OF 5 FOR TYPICAL SECTION.
- 7 INSTALL CONCRETE PAVING, SEE SHEET NO. 5 OF 5 FOR TYPICAL SECTION.
- 8 TANKER HOOKUP CONNECTION PIPE.
- 9 AIR PRESSURE SHUT OFF VALVE.
- 10 MANHOLE WITH SUBMERSIBLE PUMP. SEE SHEET NO. 5 OF 5 FOR CROSS SECTION AND DETAILS.
- 11 INSTALL 4 GALVANIZED IRON PIPE BOLLARDS. FILL WITH CONCRETE.
- 12 CURB OVERFLOW, SEE SECTION A-A, SHEET NO. 5 OF 5.
- 13 COLLECTION BOX (1'-9" x 3'-6" x 11'-9") *
6" INV OUT ELEV 98.00
6" INV IN ELEV 98.00
- 14 INSTALL 8 LF, 6" FUSEAL II, SCHEDULE 40, NON-FLAMABLE DRAIN PIPE OR APPROVED EQUAL. INSTALL ACCORDING TO MANUFACTURERS SPECIFICATIONS.
- 15 COLLECTION BOX (1'-9" x 3'-4" x 1'-0") *
6" INV OUT ELEV 98.50
- 16 INSTALL 126 LF, 6" FUSEAL II, SCHEDULE 40, NON-FLAMABLE DRAIN PIPE OR APPROVED EQUAL. INSTALL ACCORDING TO MANUFACTURERS SPECIFICATIONS.

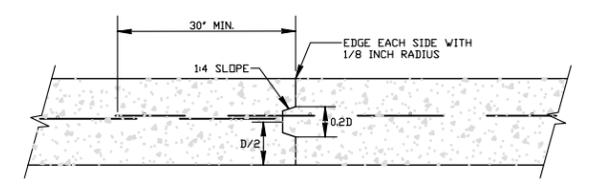
* COLLECTION BOX TO HAVE 6" CONCRETE WALLS AND FLOOR WITH STEEL REINFORCING AS SHOWN ON SHEET A-2. FOR COLLECTION BOX LOCATION SEE SHEET A-1.

CONTAINMENT POND CALCULATIONS

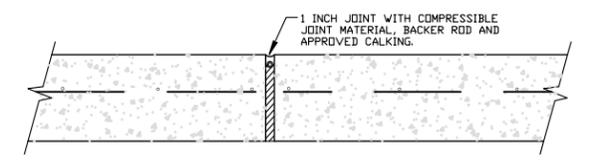
POND CAPACITY: 10,162 C.F. / 76,000 GALS
 DRAINAGE AREA: 48,000 S.F.
 100 YR. STORM POND REQUIREMENTS:
 2" STORM 8001 C.F. / 59,852 GALS

NOTES

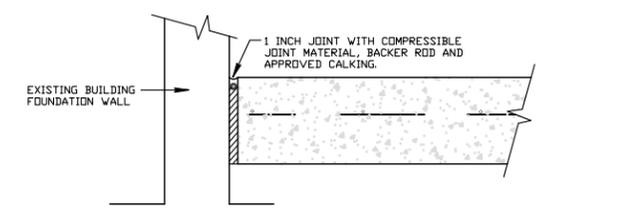
- 1 CONTRACTOR TO SUBMIT FOR APPROVAL A LAYOUT OF CONSTRUCTION JOINTS. CONSTRUCTION JOINT SPACING SHALL BE A MINIMUM OF 20 FEET AND A MAXIMUM OF 40 FEET X 150 FEET IN LENGTH.
- 2 THE CONTRACTOR IS TO CALL BOISE CITY PUBLIC WORKS FOR THE INSPECTION OF ALL DRAINAGE FACILITY CONSTRUCTION, TWENTY-FOUR HOUR NOTICE IS REQUIRED. DRAINAGE FACILITIES WILL NOT BE APPROVED BY BOISE CITY UNLESS INSPECTION IS PERFORMED.



CONSTRUCTION JOINT
NOT TO SCALE



CONTROL JOINT
NOT TO SCALE



CONTROL JOINT @ FOUNDATION WALL
NOT TO SCALE

CONCRETE NOTES

28 DAY STRENGTH f'c = 4500 psi
 MAXIMUM W/C RATIO = 0.45
 MINIMUM TOTAL CEMENT CONTENT = 600 lb/yd
 MINIMUM CHEM COMB III CONTENT = 90 lb/yd
 MINIMUM FIBER MESH = 1 1/2 lb/yd

BENCH MARKS

T.B.M. NO. 1 - TOP OF N.W. BOLT ON LIGHT POLE
 ASSUMED ELEV. 100.00

PROJECT NO.	91032
DATE	3/19/92
DESIGNED	JF
DRAWN	JF
DATE	6/24/92
BY	JF/SC
CHECKED	JF
DATE	7/13/92
BY	JF
DATE	8/26/92
BY	JF
DATE	9/11/92
BY	JF

NO.	REVISIONS	ITEM
1	KEY NOTE NO. 11	ADD NOTE NO. 2 TO CONTAINMENT POND CALCULATIONS
2	ADD NOTE NO. 2	TO CONTAINMENT POND CALCULATIONS
3	ADD 2 COLLECTION INLETS TO EXIST BUILDING	
4	REVISE KEY NOTE 13 AND 14	
5	BELEIVE 2 COLLECTION INLETS TO EXIST BLDG.	
6	ADD COLLECTION INLET TO EXIST BUILDING	

TOOTHMAN-ORTON ENGINEERING COMPANY
 CONSULTING ENGINEERS, SURVEYORS AND PLANNERS
 1802 NORTH STREET
 BOISE, IDAHO 83703
 (208) 342-5511

SAFETY-KLEEN CORP.
 LOTS 1 THRU 3, BLOCK 2
 BOISE INDUSTRIAL FOUNDATION SUBDIVISION NO. 5
 GRADING AND DRAINAGE PLAN

DATE:	JANUARY 16, 1992
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