

Reuse and Recycling Plan

for

Dairy Drive Campground Demo and Site Restoration

3202 Dairy Drive, Madison WI 53718

Project Summary: In 2021, the City of Madison Common Council authorized a state of emergency and a temporary campground to be prepared at 3202 Dairy Drive. Funding for the creation and operation of the temporary campground was provided through the federal American Rescue Plan Act (ARPA). As those funds have expired, the temporary campground will be closed and City Engineering has been asked by the Community Development Division to demolish the pallet shelters and bathroom building, remove site improvements and restore the site with grading and reseeding of the parcel.

Property Description: The 79,502 square foot parcel includes a 535 sq. ft. bathroom building, (29) 64 sq. ft. shelters, a storage shed, and site improvements including an asphalt fire lane with street pole lighting, a grill/picnic area, bike parking, a trash enclosure and fencing with PDS slatting at the perimeter of the site.

The Demolition Reuse and Recycling Plan is divided into three sections to coordinate work with the Public Works project timeline.

- I. **Reuse Phase: Salvaging** reusable items.
- II. **Pre-Demolition Phase Recycling:** Hazardous and regulated materials must be removed for proper disposal prior to full deconstruction. These items include lighting, electronics, batteries, refrigerants, appliances, and hazardous chemicals.
- III. **Demolition Phase Recycling:** Recycling building materials during deconstruction and demolition can reduce negative environmental impacts and reduce landfill fees. Recyclable materials include concrete, brick, asphalt, metal and wood.

Reuse Plan:

1. City Engineering plans to work with City agencies who helped provide items during the creation of the campground for the removal and reuse of various site items prior to the contract for demolition commencing. The following items are planned for salvaging and reuse:
 - a. City of Madison Traffic Engineering will be removing (9) street lights and poles and (3) bike racks.
 - b. City of Madison Parks will be removing the (5) picnic tables and (5) direct bury grills.
 - c. City of Madison Engineering will be removing (30) electrical peds and the main panel and pulling wire from those as well as the light poles.
 - d. The awarded GC for the demolition contract will work with City of Madison Engineering to salvage and deliver (2) concrete and (1) HDPE culverts to a City storage facility/yard.
2. City Engineering plans to work with an auction service to advertise for removal and reuse:
 - a. (29) pallet shelters including the air conditioning units
 - b. (1) bathroom building
 - c. Perimeter fencing with (2) pedestrian and (2) access gates.
 - d. In the event the above items are not successfully auctioned, it is the responsibility of the general contractor of the demolition contract, to remove and dispose of the items per this reuse and recycling plan.

Reuse and Recycling Plan

for

Dairy Drive Campground Demo and Site Restoration

3202 Dairy Drive, Madison WI 53718

Pre-Demolition Phase Recycling:

1. Removal of loose garbage from inside the shelters and the bathroom building will be completed by a separate contract administered by the Community Development Division prior to the start of the demolition contract work commencing on site.
2. City of Madison Streets will remove loose debris on the exterior grounds of the parcel.
3. The demolition contractor shall be required to properly remove and dispose of hazardous materials, including but not limited to lighting, batteries, refrigerants, appliances and HVAC equipment, mercury thermostats, paint, stains and other chemicals.
4. For all materials that can be removed during the pre-demolition phase, the demolition contractor shall provide written evidence of proper handling and disposal. Receipts or other proof of recycling shall include dates, material quantity, weight or volume and name of the recycling or disposal company contact information. The demolition contractor shall provide copies of all documentation to the City Project Manager prior to contract closeout.
5. All fees associated with any recycling is the responsibility of the contractor.
6. State hazardous waste regulations provide guidance for recycling the following items after the reuse phase is complete and prior to building demolition. *(Note: Each section below may contain potential industry contacts for proper disposal of the material in each section. The General Contractor may use other companies at their discretion.)*

a. Light fixtures

- i. State hazardous waste regulations require all light bulbs and ballasts containing mercury or polychlorinated biphenyls (PCB's) to be recycled. If not reused, bulbs and ballasts must be taken to a recycler or consolidator. The consolidator or recycler must be licensed and in compliance with applicable environmental regulations.
- ii. Whenever possible all bulbs and fixtures should be removed and repurposed. When repurposing is not possible the following recycling procedure shall apply:
 1. All bulbs shall be removed from fixtures and recycled or disposed of by type.
 2. All ballasts shall be removed from fixtures and recycled by type.
 3. Fixture housings shall be sorted by material and properly recycled.
- iii. The following are potential sources for recycling lights and fixtures.
 1. PKK Lighting, 7182 Hwy 14 Middleton, (608) 836-7821

b. Batteries

- i. Batteries may contain toxic heavy metals and chemicals, including nickel, cadmium, manganese, mercury, lead, and sulfuric acid, which threaten our environment if not properly handled. Any batteries found during demolition shall be sorted by type and properly recycled.
- ii. The following are potential sources for recycling batteries.
 1. PKK Lighting, 7182 Hwy 14 Middleton, (608) 836-7821

c. Refrigerants

- i. Refrigerants are used in cooling equipment such as air conditioners and refrigerators. Wisconsin Administrative Code NR 488 regulates handling and disposal of refrigerants. It requires all commercial entities handling and recovering these refrigerants and coolants to register with the Wisconsin DNR and annually certify that they will transport items in a manner that prevents refrigerant releases. Documentation of proper handling must be retained for three years.

Reuse and Recycling Plan

for

Dairy Drive Campground Demo and Site Restoration

3202 Dairy Drive, Madison WI 53718

- ii. The contractor shall be responsible for providing sub-contractors certified in refrigerant removal and disposal should any such items be found during demolition.
- iii. The following are potential sources for recycling equipment with refrigerants:
 - 1. All Metals Recycling, 1802 S. Park St. Madison, (608) 255-0960
- d. Appliances and HVAC Equipment**
 - i. Under Wisconsin Statute 287.07 all major appliances regardless of type or age must be recycled. This includes clothes washers and dryers, dishwashers, air conditioners, stoves, ovens, microwave ovens, freezers, refrigerators, water heaters, furnaces, dehumidifiers, and boilers. All of these appliances are banned from landfills as of 1991. Microwave ovens may be landfilled only if the capacitor has been removed. Most major appliances are made primarily of high-quality steel. They also may contain glass, plastic, rubber, copper, aluminum and several hazardous materials that require special handling.
 - ii. Any appliance containing refrigerants must be handled according to the instructions in the "Refrigerants" section above.
 - iii. The following are potential sources for recycling appliances without refrigerants:
 - 1. Kruser Recycling, 2601 Seifert Rd. Madison (608) 223-9220
- e. Thermostats Containing Mercury**
 - i. Mercury-containing thermostats hold mercury equivalent to the amount in 200-300 fluorescent bulbs and must be recycled. Though mercury is a hazardous waste, the Universal Waste Rules allow thermostats to be recycled without going through a hazardous waste permitting process. Care must be taken not to break the glass bulb containing the mercury during deconstruction and transportation.
 - ii. The following are potential sources for recycling thermostats.
 - 1. MG&E, 133 S. Blair St., Madison (608) 252-7117
Logistics: Deliver thermostat in a box to the reception area
- f. Computers and Other Electronics**
 - i. Most electronics are banned from Wisconsin landfills and must be recycled. These can contain hazardous materials such as lead, cadmium, chromium, and mercury and if not recycled may be regulated as hazardous waste.
 - ii. The following are potential sources for recycling e-waste:
 - 1. Dane County Clean Sweep, 7102 Maahic Way, Madison (608) 838-3212
- g. Exit Signs and Smoke Detectors**
 - i. Many self-luminous exit signs contain tritium, a radioactive material. All self-luminous exit signs must have a permanent label that identifies it as containing radioactive material with the name of the manufacturer, model and serial number and quantity of tritium contained. All signs can only be disposed of by sending them to the manufacturer or to others licensed by the U.S. Nuclear Regulatory Commission.
 - ii. Smoke Detectors that contain radioactive material will be labeled and should be returned to the manufacturer for disposal.
- h. Paints, Stains, Oils, and Other Chemicals**
 - i. Oil-based paints, products containing organic solvents, and latex paint cans that are more than half full are considered hazardous waste and must be taken to a designated recycler for disposal.
 - ii. Latex-based paints can be properly hardened and disposed of in the trash if the can is less than half full.

Reuse and Recycling Plan

for

Dairy Drive Campground Demo and Site Restoration

3202 Dairy Drive, Madison WI 53718

iii. The following are potential sources for disposal of paints, stains, oils and other chemicals:

1. Dane County Clean Sweep, 7102 Maahic Way, Madison (608) 838-3212
Logistics: Leave materials in their original containers

Demolition Phase Recycling:

1. For all materials that are removed during the demolition phase, the demolition contractor shall provide written evidence of proper handling and disposal. Receipts or other proof of recycling shall include dates, material quantity, weight or volume and name of the recycling or disposal company contact information. The demolition contractor shall provide copies of all documentation to the City Project Manager prior to contract closeout.
2. All fees associated with any recycling is the responsibility of the contractor.
3. All building materials including but not limited to concrete and concrete block, metal, cardboard, paper, cans, and bottles, wood and asphalt shingles shall be sorted by type for recycling or proper disposal
 - a. **Concrete, and Concrete block**
 - i. Clean concrete and concrete block may be crushed and used as fill, aggregate in roadbeds or for recycling into new concrete. "Clean" means that concrete is free of dirt, clay, wood and any paint. Recycling these materials costs substantially less than hauling them to a landfill. Recycling also reduces the impacts of quarrying and extracting materials for new concrete.
 - ii. The following are potential sources for recycling.
 1. Homburg Construction, 6106 Milwaukee St, Madison (608) 241-1178
 2. Dane County Landfill, 7102 US Hwy 12, Madison (608) 838-9555
 3. <https://landfill.danecounty.gov/recycle-locations>
 - b. **Metal**
 - i. Including ductwork, rebar, galvanized steel, wrought iron, aluminum. Painted metal even if it contains lead-bearing paint, is typically recyclable.
 - ii. Though not required by law, we recommend recycling all metals. The following are potential sources for recycling.
 1. All Metals Recycling, 1802 South Park St., Madison, (608) 255-0960
 2. Dane County Landfill, 7102 US Hwy 12, Madison (608) 838-9555
 - c. **Cardboard, Paper, Cans, Bottles, and other household recycling items.**
 - i. Cardboard, paper, cans, and bottles must be recycled under Wisconsin law.
 - ii. Site Materials: Any recyclable materials on-site or generated during demolition must also be recycled.
 - iii. The following are potential sources for recycling:
 1. Pellitteri, 7035 Raywood Rd., Madison, (608) 257-4285
 2. Waste Management – Madison Recycling Center, 2200 Fish Hatchery Rd., Madison, (608) 251-2115
 - d. **Wood**
 - i. Site Materials: Any unpainted and untreated wood is recyclable. If possible, the demolition contractor should collect unpainted and untreated dimensional lumber and engineered lumber, such as oriented strand board (OSB), plywood and particleboard for recycling.
 - ii. The following are potential sources for recycling.

Reuse and Recycling Plan
for
Dairy Drive Campground Demo and Site Restoration
3202 Dairy Drive, Madison WI 53718

1. Dane County Landfill, 7102 US Hwy 12, Madison (608) 838-9555

e. Asphalt Shingles and Tar Paper

- i. Asphalt shingles have been banned from the Dane County Landfill. This material can be ground and used as part of a mix to manufacture new asphalt. Recycling asphalt is cost effective and reduces consumption of oil and other raw materials.
- ii. The following are potential sources for recycling.
 1. Dane County Landfill, 7102 US Hwy 12, Madison (608) 838-9555

f. Other Building Materials

- i. The Dane County Landfill has a Construction and Demolition Recycling drop off area for most demolition waste such as lumber, plywood, shingles, duct work, etc.
 1. Dane County Landfill, 7102 US Hwy 12, Madison, (608) 838-9555
 2. <https://landfill.countyofdane.com/services/construction>