Street, Curb & Gutter Replacement & Construction

Description
Procedures involving replacement and construction of streets, curbs & gutters have the potential to impact stormwater quality. Pollutants, such as sediments, oil and slurry may be picked up by rain and end up in local waterways, affecting the environment.

The goal of this Standard Operation Procedure (SOP) is to provide guidance for municipal employees to help prevent stormwater pollution. If services are contracted, this SOP should be provided to the Contractor. The contract should specify that the Contractor is responsible for compliance with all applicable laws.

Permits
Obtain all applicable permits for construction projects:

- A State Dewatering Permit may be required if construction activities expect to remove and discharge groundwater offsite.
- A U.S. Army Corp of Engineers 404 Permit is needed for work in (or that may impact) waters of the United States, including wetlands, washes, drainages, ditches, creeks, streams and rivers.
- A City of Brighton Floodplain Permit is needed to be able to work inside the floodplain.
- A State Stormwater Discharge Permit for construction activities & a City of Brighton’s Erosion & Sediment Control Permit apply to construction projects that will disturb 1 or more acres, or less than 1 acre which are part of a larger common plan of development (contiguous area where multiple separate and distinct construction activities may be taking place at different times on different schedules under one plan).

During Construction:

- Applicable sediment & erosion controls shall be implemented regardless of the size of the project. Temporary controls should be in place while work is occurring.
- The following sediment & erosion Best Management Practices (BMP) may be use: inlet protection, curb socks, silt fence, erosion logs, check dams & vehicle rock pad.

For More Information:
Stormwater Division
Utilities Department
303-655-2121
stormwater@brightonco.gov

Possible Pollutants
- Fine-grained sediment
- Organics
- Oil
- Saw-cut slurry
- Trash

Good Housekeeping
- Dumpster/Waste Management
- Employee/Contractor Training
- Proper cleanup and disposal procedures
- Dry cleaning methods

Related Procedures
- Spill Prevention and Response
- Street Sweeping
- Street Sweeper Cleaning & Waste
- Street, Curb & Gutter Maintenance

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• Sediment & erosion controls will be installed and maintained in accordance with City’s standards & specifications design criteria. All BMP will be periodically inspected, maintained and removed as necessary.

• Place stockpiles, dumpsters, portable toilets, washout areas or any other potential stormwater pollutant away from storm drain inlets or drainage flow lines.

• Avoid performing concrete/asphalt paving during wet conditions. Wash out mixers, delivery trucks, or other equipment in the designated concrete washout area only.

• When saw cutting, ensure that no slurry enters the storm drain. Let the slurry dry, sweep it up, and properly dispose of the sweepings or vacuum while saw cutting.

• Dust control, sweeping, good housekeeping practices, and spill prevention and response will be provided when needed.

• Sweep or vacuum the road as needed, during and after construction.

• Monitor construction equipment for leaks and use drip pans as necessary. Leaking material containers should be properly discarded and replaced. Store materials in containers under cover when not in use and away from any storm drain inlet.

**Bridge Construction**

• Do not transfer or load any materials directly over waterways.

• Suspend drop cloths or nets below any bridgework where wastes, scraps, or drips might be spilled into a waterway.

**Concrete Work**

• Minimize the drift of chemical cure on windy days by using the curing compound sparingly and applying it close to the concrete surface.

• Ensure there is a concrete truck washout area available.

• Whenever possible, recycle concrete rubble; otherwise, dispose of it as solid waste.

**Asphalt Work**

• Control the placement of road base or asphalt used in embankments or shoulder backing; do not allow these materials to fall into any storm drain or watercourses.

• Whenever possible, recycle asphalt. If not possible, then dispose of as solid waste.

**Painting and Striping**

• If possible, schedule painting and striping projects during dry weather.

• Use thermoplastic or epoxy markings in place of paint whenever feasible.

• Prevent splashes & spills. Follow Spill Prevention and Response procedures.

**Employee Training**

Train applicable employees on this SOP. Include proper storage & spill prevention. Periodically conduct refresher training on the SOP. Keep employee’s training sing-in sheet.