

GESC Considerations for Pipe Relining Operations



Fact Sheets have been prepared for minor one-time, short duration construction activities **under an acre** to control the transport of sediment and waste materials without a formal permit. The goal is to provide time-tested, accepted procedures that minimize the potential for release of pollutants during the performance of these short-term, 'low risk' minor construction activities. The Grading Erosion and Sediment Control (GESC) Program requires the installation and maintenance of best management practices (BMPs) to promote environmentally-sound construction practices. If your project has components that are more complicated than anticipated here, contact SEMSWA at 303-858-8844 for permitting instructions.

Permit Considerations: Street Cut Right-of-Way Use Permit; Public Improvement Permit from County/City.

General Practices:

- At no time shall delivered material or excavated material be placed in the flow line.
- Schedule excavation and grading work for dry weather.
- Identify all storm drains, drainage swales and creeks located near the construction site and make sure all construction workers are aware of their locations to prevent pollutants from entering them.
- Provide approved storm drain inlet protection at all nearby inlets at the beginning of construction
- The Project Owner will be responsible for periodic inspection and maintenance of the inlet protection to ensure that it functions as intended. Failure to provide appropriate inlet protection and/or maintenance may result in being required to clean the inlet and the downstream storm drainage system.
- When making saw-cuts in pavement (asphalt or concrete), use as little water as possible. Provide inlet protection during the sawing operation and contain the slurry. After the liquid drains or evaporates, shovel or vacuum the slurry residue and remove it from the site.
- If applicable, make sure portable toilets for workers are in good working order. Check frequently for leaks, service regularly, and ensure that they are adequately anchored so as to prevent them from tipping over.
- Discuss scope of BMPs applicable to the project with the SEMSWA GESC staff prior to project kickoff. The more complicated the access and BMPs required for protection, the greater the chance a permit will be required.

Equipment:

- Designate one area for vehicle parking, equipment/vehicle refueling, and routine maintenance. The designated area should be well away from gutters, storm drains, and creeks. Minimize area to be disturbed.
- Inspect frequently for leaks and repair as necessary; perform major equipment/vehicle repairs off-site.
- Washing of equipment and machinery is not allowed on site.

Construction and Cleanup:

- This Fact Sheet is for pipe relining projects only. Installation of a larger scope of pipe resulting in additional construction impacts may require a standard GESC Permit.
- After breaking-up old pavement, remove all chunks and pieces to avoid contact with rainfall and runoff.
- Throughout the workday, especially when precipitation (rain or snow) is in the forecast, sweep and remove tracked and incidental materials from surfaces that drain to storm drain inlets, creeks, channels, etc.
- Concrete flow line sections and/or street sections that have been removed or have been left open and have collected rain/irrigation water will not be pumped or drained directly into the flow line. The water must be filtered and then discharged. The inlet(s) that will receive the filtered water will have approved inlet protection installed.
- Streets must be completely swept throughout and immediately following construction operations. All areas that are not accessible to the street sweeper must be hand-broomed.
- When stockpiling is necessary: If it is outside of ROW, permits in accordance with local jurisdiction requirements will be required. If stockpiling is in the ROW, follow the Street Cut Right-of-Way Use Permit requirements.
- Contain stockpiled materials on paved surfaces, and install rock sock or equivalent around entire material pile. If stockpile area available is not paved, install downstream inlet/area drain protection and stabilize the area with vegetation, blanket/seed or equivalent after construction. BMPs will be kept in place until vegetation is established.
- If re-vegetation of site is required, it will be returned to the condition prior to starting construction.