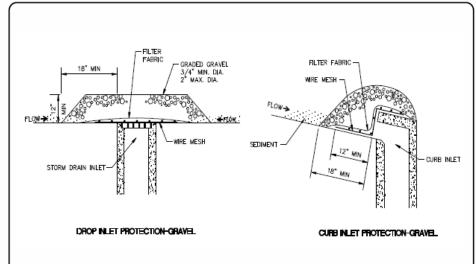
BMP: Inlet Protection – Gravel



OBJECTIVES

- Housekeeping Practices
 - Contain Waste
- П Minimize Disturbed Areas
- Stabilize Disturbed Areas
- Protect Slopes/Channels
- Control Site Perimeter
- Control Internal Erosion

DESCRIPTION:

Placement of gravel filter over inlet to storm drains to filter storm water runoff.

APPLICATION:

Construct at inlets in paved or unpaved areas where upgradient area is to be disturbed by construction activities.

INSTALLATION/APPLICATION CRITERIA:

- Place wire mesh (with 1/2 inch openings) over the inlet grate extending one foot past the grate in all directions.
- Place filter fabric over the mesh. Filter fabric should be selected based on soil type.
- Place graded gravel, to a minimum depth of 12-inches, over the filter fabric and extending 18-inches past the grate in all directions.

LIMITATIONS:

- Recommended for maximum drainage area of one acre.
- Excess flows may bypass the inlet requiring down gradient controls.
- Ponding will occur at inlet.

MAINTENANCE:

- Inspect inlet protection after every large storm event and at a minimum of once monthly.
- Remove sediment accumulated when it reaches 4-inches in depth.
- Replace filter fabric and clean or replace gravel if clogging is apparent.

ENGINEERING DEPARTMENT

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TARGETED POLLUTANTS

- Sediment
- Nutrients
- **Toxic Materials**
- П Oil & Grease
- Floatable Materials
- П Other Waste
- High Impact
- × Medium Impact
- Low or Unknown Impact

IMPLEMENTATION REQUIREMENTS

- **Capital Costs** ×
- П **O&M Costs**
- × Maintenance
- Training
- High
- × Medium
- Low