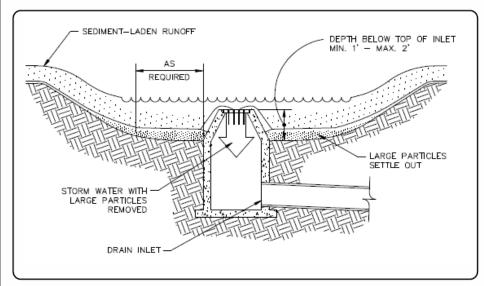
BMP: Inlet Protection – Excavated



OBJECTIVES

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

DESCRIPTION:

An area excavated around a storm drain inlet to impound water below the inlet.

APPLICATION:

 Construct at storm drainage inlets located downgradient of areas to be disturbed by construction (for inlets in paved areas see other information sheets for inlet protection).

INSTALLATION/APPLICATION CRITERIA:

- Provide upgradient sediment controls, such as silt fence during construction of inlet.
- When construction of inlet is complete, excavate adjacent area 1 to 2 feet lower than the grate elevation. Size of excavated area should be based on soil type and contributing acreage.

LIMITATIONS:

- ▶ Recommended maximum contributing drainage area of one acre.
- Limited to inlets located in open unpaved areas.
- Requires flat area adjacent to inlet.

MAINTENANCE:

- Inspect inlet protection following storm event and at a minimum of once monthly.
- Remove accumulated sediment when it reaches one half of the excavated sump below the grate.
- ► Repair side slopes as required.



ENGINEERING DEPARTMENT

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TARGETED POLLUTANTS

- Sediment
- □ Nutrients
- ▼ Toxic Materials
- □ Oil & Grease
- Floatable Materials
- □ Other Waste
- High Impact
- Medium Impact
- □ Low or Unknown Impact

IMPLEMENTATION REQUIREMENTS

- □ Capital Costs
- ☐ O&M Costs
- Maintenance
- □ Training
- High
- Medium
- □ Low