

# Douglas County Grading, Erosion and Sediment Control (GESC) Manual

*Minor Revision*

Douglas County Community Planning and Sustainable Development Department  
Engineering Division

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GESC 10-01

## Section 5.7.8 and Douglas County Standard Notes and Details

Revision clarifies that wire used in the construction on inlet protection shall be constructed with a 20-gauge wire not the 10-gauge wire currently specified in the GESC Manual and GESC Details. The change was made due to the limited availability of 10-gauge wire.

Section 5.7.8 states in part;

**5.7.8 Inlet Protection (IP).** *Inlet protection consists of a small reinforced rock berm and cinder block frame placed in front of (but not blocking) a curb inlet or around an area inlet to reduce sediment in runoff entering the storm sewer system.*

### **Key Installation and Maintenance Requirements:**

- *Interim configuration of inlet protection in streets (before paving) shall be installed within 48 hours of pouring inlet. Inlet protection (after paving) shall be installed within 48 hours after paving is placed.*
- *Inlet protection at area inlets shall be installed within 48 hours of pouring inlet.*
- *Crushed rock shall be fractured face (all sides) and shall comply with gradation shown on Sheet 14 of the GESC Plan Standard Notes and Details (1-1/2" minus). Recycled concrete meeting this gradation may be used.*
- *Wire mesh shall be fabricated of 20-gauge wire twisted into a mesh with a maximum opening of 1.0 inch (commonly termed "Chicken Wire"). Roll width shall be 48 inches.*
- *Wire mesh shall be secured using "Hog Rings" or wire ties at 6-inch centers along all joints and at 2-inch centers on ends of berm.*
- *Reinforced rock berm shall be constructed in one piece or shall be constructed using joint detail of Detail 10 of the GESC Plan Standard Notes and Details.*
- *The top of reinforced rock berm shall be ½ - 1" below top of curb.*
- *Tubular markers shall meet requirements of Manual on Uniform Traffic Control Devices (MUTCD), as amended.*
- *Reinforced rock berm shall be placed tightly against curb fence.*
- *The GESC Manager shall inspect inlet protection weekly and during and after any storm event and make repairs or clean out as necessary. More frequent inspections and repairs shall be required during winter conditions due to freeze/thaw problems.*
- *Inlet protection is to remain in place until the upstream disturbed area is stabilized and grass cover approved, unless the County approves earlier removal of inlet protection in streets.*