

CONSTRUCTION EXIT

A stone pad located where traffic leaves a construction site to eliminate the transport of soil to public streets.

A



Excellent stone coverage.
No mud tracking onto roadway.

C



Fair stone coverage.
Some mud tracking onto roadway.

F



Very poor stone coverage.
Significant mud tracking and flowing onto roadway.

SEDIMENT BARRIER

Silt fence or straw bales used to slow runoff velocity. The barriers can reduce sediment deposition at the structure, and filters sediment from runoff.

A



Excellent silt fence installation.

C



Silt fence adequate: but NEVER stack silt fences.

F



Complete barrier failure.
Significant quantities of sediment passing this barrier.

ROCK FILTER DAM

CHECK DAM

use
ff.

Stone filter dam installed across small streams or drainageways to reduce water velocity and filter sediment at the structure.

Small stone barrier installed across a swale, ditch, or area of concentrated flow to reduce runoff velocity and filter sediment from runoff.



Excellent application with two filter dams. Look for signs of structure working such as sediment trail.



Excellent placement, sizing, and overflow notch.



Good application, but height inadequate.



Should be lower in center to direct flow. Needs to be cleaned out prior to complete vegetation.



Poor application. Virtually unmaintainable without significant disturbance. Removal of feature at completion very difficult.



Poor application of hay bales. Not imbedded in soil. Water easily migrates under bales causing failure.

INLET SEDIMENT TRAP

Sediment barriers placed around a storm drain drop inlet to prevent sediment from entering a storm drainage system.

A



Excellent stone sizing and placement.
Note: good surrounding soil coverage with mulch.

CURB INLET FILTER

Rice Straw Fiber Rolls are good for preventing sediment from entering the inlet.

A



Excellent use of spacers. Proper maintenance.

C



Rill erosion beginning in foreground (concentrated flow). Silt fence down.
No small stone for filtering.

C



Good application, but needs to be cleaned out to function properly.

F



Very poor maintenance. No protection.

F



Poor inlet protection. Hay bales do not last very long.
May clog inlet or pipes.

Site Report Card

SEDIMENT BASIN

Date Visited: _____ Site Name: _____
 Site Location: _____
 Streams Onsite: _____ Drains to: _____
 Weather During Visit: _____ Rain in prior 24 hrs: yes no
 Type of Project: Commercial Residential Utility Roadway/DOT

BEST MANAGEMENT PRACTICE **GRADE** *circle/check one*

Refer to images & text found in this Field Guide to grade items 1 thru 6. Individual grades lower than A should be remedied immediately.

- | | | | | | |
|--|--------------------------|----------|--------------------------|----------|----------|
| 1. Construction Exit | A | B | C | D | F |
| a. Is Dirt being tracked into road? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| b. Are construction materials or equipment being stored on the construction exit or stone pad? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| 2. Sediment Barriers (Silt Fences, Hay Bales, etc.)—Are they | A | B | C | D | F |
| a. Falling down? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| b. Are the Silt Fences Not properly trenched? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| c. Creating a point source conduit for the water? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| d. Over half full of sediment? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| 3. Sediment Traps/Filters | A | B | C | D | F |
| a. Check Dam - Is check dam placed in State/US waters? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| b. Rock Filter Dam - Is not installed according to approved plan? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| c. Curb Inlets - Inlet is not protected from runoff with curb protection? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| 4. Sediment Basins | A | B | C | D | F |
| a. Is structure placed in waters of State/US? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| b. Is sediment reaching outlet/outfall pipe? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| c. Is it missing a stone filter & trash rack? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| d. Is a stone outlet protection missing? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| e. Is the basin without vegetation stabilization? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| 5. Storm Drain Outlet Protection | A | B | C | D | F |
| a. Is filter fabric missing between soil and riprap/stones? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| b. Are riprap/stones missing or too small? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| c. Have rains dislodged riprap/stones? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| 6. Soil Cover (Mulch, Temp. or Perm. Vegetation) | A | B | C | D | F |
| a. Has the soil been disturbed and inactive for 14 days? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| b. Is the straw/hay mulch spread unevenly < 2.4" depth? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| c. Has site been left unstabilized & without vegetation? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |

Based on your observations grade the following:

- | | | | | | |
|--|--------------------------|----------|--------------------------|----------|----------|
| 7. Encroachment on Stream Buffer | A | B | C | D | F |
| a. Has vegetation been removed adjacent to any streams? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| b. Have any structures been placed within the buffer? | <input type="checkbox"/> | no | <input type="checkbox"/> | yes | |
| <i>Trout Stream = 50 ft. [Refer to Trout Stream Map for designation.]</i> | | | | | |
| <i>Other Stream = 25 ft. [Contact local authority for specific stream ordinances.]</i> | | | | | |
| 8. Sediment Contained on the Site | A | B | C | D | F |
| <i>Complete Containment = A</i> | | | | | |
| 9. Stream Color Before & After Rain | A | B | C | D | F |
| <i>No difference = A</i> | | | | | |
| 10. Pavement Clear of Sediment | A | B | C | D | F |
| <i>(Washed or Tracked) Clear Pavement = A</i> | | | | | |

OVERALL GRADE



Upper Chattahoochee Riverkeeper
 916 Joseph Lowery Blvd • 3 Puritan Mill • Atlanta, GA 30318
 www.chattahoochee.org

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A basin created to detain runoff waters and trap sediment.



Perforated standpipe with gravel filter in place.



Poor outlet geometry.
 Potential maintenance problem.



No vegetation.
 Perforated standpipe with gravel filter is missing.

Storm
Drain

OUTLET PROTECTION

Paved, riprapped, or otherwise protected areas below storm drain outlets used to reduce velocity, and stabilize receiving channels.

A



Excellent coverage, sizing, and placement.

C



Poor geometry.
Inadequate stone coverage.

F



Very poor stone coverage.
Entire channel should be protected.

MULCHING

A temporary cover of straw or mulch applied to soil reducing rainfall impact, runoff, erosion, and conserving moisture.

A



Good straw coverage.

C



Good coverage of mulch and temporary grass, but runoff has exposed some areas.

F



Completely inadequate coverage.

VEGETATION

A permanent cover of vegetation applied to soil reducing rainfall impact and erosion, conserving moisture and increasing sediment removal from runoff.

A



Excellent coverage with synthetic mats and vegetation.

C



Matting applied to slopes, some areas exposed. Vegetation beginning, watering needed. Mulching in foreground pretty good.

F



Poor vegetative cover. Large bare spots. Extensive erosion taking place.

UPPER CHATTAHOOCHEE RIVERKEEPER®

Keeping Watch Over Our Waters

EROSION + SEDIMENT CONTROL

P I C T O R I A L

FIELD GUIDE

to

BEST MANAGEMENT PRACTICES

To be used with the
Complete Erosion + Sediment Control Program



Take notes on the back panel **Site Report**, transfer your field notes to the **Orange Report Card**, then wipe off and re-use.

Get the Dirt Out

Georgia Construction Stormwater Project