

## CONSTRUCTION EXIT

Pad of large rock or metal grate that removes mud from tires prior to exit onto paved roads. Look for mud tracked on roadway, too-small rock, and lack of geotextile underliner.



Very good placement and construction of job site exit, with larger rock, geotextile underliner, paving width, and no mud on roadway.

**C**



Fair construction exit – large rock used, but no underliner. No mud on paved road.

**E**



Poor exit, with inadequate amount of too-small rock and mud tracked on roadway. This is clearly a violation.

## SEDIMENT BARRIER

Used to trap soil through ponding and settling or filtration. Look for bypasses, overtopping, poor maintenance, and proper placement. Upland area should be seeded and mulched ASP.



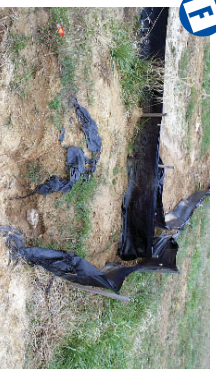
Excellent placement and installation of temporary soil fence, with posts on downhill side, trenched in on bottom, and no bypasses.

**C**



Fair sediment barrier, but poor attention to connecting bypasses. Some sediment on road. Posts are too far apart, not trenched in adequately. Bales not approved as sediment barrier.

**E**



Poor sediment barrier trenching, placement, and maintenance. Barriers should be replaced or repaired as needed until all upland areas are grassed.

## SEDIMENT TRAP

Beams of rock, brush, or other material that intercept, pond, and settle out sediment in areas of concentrated flow. Look for bypasses; overflow should be in center of beam.



Very good trap placement and construction, with overflow notch in center and debris fed into banks.

**C**



Fair trap placement and construction. Bypass possible on left side due to low sidewall. Trap fits small should be in a series for larger drainage areas.

**E**



Poor trap placement and design. No defined and stabilized overflow area. Trap too small for upland drainage areas – use in a series if necessary.

## SEDIMENT BASIN

Removes soil through ponding and settling during 24-48 hr downflow period after rain. Should not allow rapid flow-through of muddy water. Outlets often modified with rock berm or other flow restrictor during construction.



Good construction and operation. Nice long basin design, seeded sidewalls, and flow restrictor (flow pipe and rock berm) in front of final hole.

**C**



Fair sediment basin construction, but should be seeded. Outlet tee has rock berm flow restrictor, but no mesh rock.

**E**



Good length and outlet, but very poor operation and maintenance. Side banks not seeded, no flow restrictor at V-notched inlet. Needs to be cleaned out.

## DITCH PROTECTION

All ditches should be seeded and mulched (straw or blanket) or lined with rock after construction. Look for erosion on bottom (downcutting) or sidewalls.



Good ditch construction, with well-ankled straw blanket over grass seed. Good blanket-to-ground contact. Non-seeding and mulching along surrounding banks.

**C**



Fair to poor ditch construction. Seeded too thinly. No center overflow notch in ditch check dam, bypassing is obvious.

**E**



Poor ditch construction. No seeding, mulching, or use of blankets or mats evident. Vegetation shows ditch has been installed for many weeks.

## DITCH CHECK DAMS

Small, temporary dikes of stone, stone bags, or other material used to prevent downcutting and trap sediment. Look for poor spacing and ditch erosion.



Good spacing, placement, and construction of check dams. Nice overflow notch in center, and blankets fed into banks. Ditch seeding and mulching too thin.

**C**



Fair ditch check placement and construction, but ditch needs more installed in a series. Very good slope seeding, poor ditch seeding and mulching.

**E**



Poor check dam construction and too few to do much good. Ditch needs seeding and mulching or blankets. Still fences too short.

# Site Report Card

## CURB INLET PROTECTION

## DROP INLET PROTECTION

## OUTLET PROTECTION

## SEEDING & MULCHING

Date Visited: \_\_\_\_\_ Site Name: \_\_\_\_\_  
 Site Location: \_\_\_\_\_

Streams/Drains: \_\_\_\_\_ Ditches to: \_\_\_\_\_  
 Yes  No

Weather During Visit: \_\_\_\_\_ Rain in prior 24 hrs: \_\_\_\_\_  
 Commercial  Residential  Utility  Roadway/Highway

Best Management Practice: \_\_\_\_\_  
 Grade:  dirt/dirt/dirt  dirt/dirt/dirt

Notes: \_\_\_\_\_

- Construction Exit**
  - Is exit being tracked into road?  A  B  C  D  F
  - Are construction materials or equipment being tracked into road?  A  B  C  D  F
- Sediment Barriers**
  - Are they fully placed down?  A  B  C  D  F
  - Are there installation problems?  A  B  C  D  F
  - Are there bypass underneath or on sides?  A  B  C  D  F
  - Are they over half full of sediment?  A  B  C  D  F
- Sediment Traps/Checks**
  - Check trap - is bottom clean?  A  B  C  D  F
  - Are there bypass around the sides?  A  B  C  D  F
  - Are ditches grassed, mulched, or rock bed?  A  B  C  D  F
- Sediment Basins**
  - Is structure placed in waters of State/US?  A  B  C  D  F
  - Is sediment reaching outlet/outfall pipe?  A  B  C  D  F
  - Is it missing a stone filter & mesh rock?  A  B  C  D  F
  - Is a stone outlet protection missing?  A  B  C  D  F
- Storm Drain Outlet Protection**
  - Is there fabric meshing between soil and grate?  A  B  C  D  F
  - Are there stones missing or too small?  A  B  C  D  F
  - Have tires dislodged epoxy/stones?  A  B  C  D  F
- Soil Cover** (mats, hay, or straw, approved)
  - Has soil been tracked and tracked for 14 days?  A  B  C  D  F
  - Is the straw/hay matted unevenly < 24" apart?  A  B  C  D  F
  - Has straw been left unattended & without vegetation?  A  B  C  D  F
- Encroachment on Stream Buffer**
  - Is the vegetation removed adjacent to any streams?  A  B  C  D  F
  - Have any structures been placed within the buffer?  A  B  C  D  F
- Sediment Contained on the Site**
  - Is sediment contained?  A  B  C  D  F
  - Is sediment contained?  A  B  C  D  F
- Stream Cover Before & After Rain**
  - Is stream covered?  A  B  C  D  F
  - Is stream covered?  A  B  C  D  F
- Permeant Clear of Sediment**
  - Is permeant clear?  A  B  C  D  F
  - Is permeant clear?  A  B  C  D  F

Overall Grade:  A  B  C  D  F

Kentucky Watersways Alliance  
 107 East Washington Ave.  
 Louisville, KY 40202  
 www.kwaalliance.org  
 502.581.1111

Bars and filters placed at curb drains point and/or filter muddy runoff.  
 Look for poor maintenance and bypass.



Very good placement and use of open-weave rock bags. Note concrete block spacers and tight fit against curb. No bypassing evident.



Fair curb inlet protection. Note muddy flow into curb drain opening. Too much sediment moving into street. Do not soap sediment into drain openings!



Poor inlet protection. Rock bags not maintained, concrete cracks using inlet as wehhaul. This is a violation.

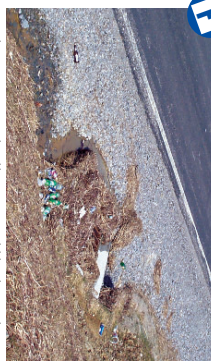
Dike, berm, and filters should point/angle or filter soil from runoff.  
 Look for bypasses, torn filters, or poor ponding (rapid flow-through).



Excellent berm of rock bags protecting drop inlet. Note that bags are only half full of rock, allowing right fit. Good overlap, no large openings visible.



Fair protection of curbside drop inlet. Exposed equipment operators on existing berms. Use in-drain filters if berms create hazards for roads open to public.



Poor inlet protection-no berms visible. Note snow and debris clogging inlet grading. Rock berms, rock bags, inlet filters, or other products could be used here.

Goal is to prevent erosion where heavy flows exit from pipes, traps, or berms. Look for ruts and other eroded areas.



Good placement of rip-rap to control erosion at pipe outlet. Good job tying into ditch line and good mix of rock sizes. No erosion evident in photo.



Fair use of rock to protect outlet, but poor placement -- should be fanned out into receiving ditch. Use better mix of large and small rock. Poor slope sealing.

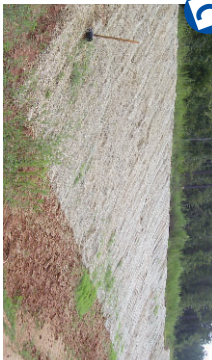


Poor outlet protection. Note erosion of ditch bottom and sides. Poor sealing and mulching on slopes above pipe. Sediment digging culverts.

Must be done within 21 days after final grade is reached. Mulch is used on flatter areas, long slopes of 2:1 or steeper should have blankets or mats or hydroseeding.



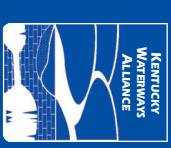
Very good mulch layer on top of seed. Note grass emerging at upper right. Wide, flat ditches and swales can be hydro-seeded and mulched.



Fair protection of slope with seed and straw blanket. Blanket should extend to bottom of slope. Grass seeding appears uneven. Ditch not seeded.



Poor seeding and mulching of long slope. No sediment barrier visible at slope toe. Fresh and debris piled up at tree to the left. Keep vehicles away from stabilized areas.



## EROSION + SEDIMENT CONTROL FIELD GUIDE

### BEST MANAGEMENT PRACTICES

for Erosion + Sediment Control



Copy the Site Report Card on the back panel and fill out a report for each site you visit.

