

PIPE OUTLET TO CHANNEL

Pipe Outlet To Well-Defined Channel

PLAN

SECTION A-A

Filter Fabric

Bury End Of Fabric 12" Min.

NOTES:

- The filter fabric shall meet the requirements in material specification 602 GEOTEXTILE Table 1 or 2, Class I, II, or III.
- The rock riprap shall meet the IDOT requirements for the following gradation: _____
- The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

REFERENCE: Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS STANDARD DWG. NO. IL-611 SHEET 1 OF 1 DATE: 8-28-04

SILT FENCE PLAN

ELEVATION

FABRIC ANCHOR DETAIL

Filter Fabric

Fastener - Min. No. 10 Gauge Wire 4 Per Post Required (Typ.)

Direction Of Flow

Undisturbed Ground Line

Compacted Backfill

NOTES:

- Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
- Filter fabric shall meet the requirements of material specification 602 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 80 for nonwoven and 50 for woven.
- Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 8.0 sq. in.

REFERENCE: Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS STANDARD DWG. NO. IL-620 SHEET 1 OF 1 DATE: 11-05-01

SILT FENCE

ATTACHING TWO SILT FENCES

Step 1

Step 2

Step 3

Filter Fabric

Post

Filter Fabric

NOTES:

- Place the end post of the second fence inside the end post of the first fence.
- Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
- Drive both posts a minimum of 18 inches into the ground and bury the top.

REFERENCE: Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS STANDARD DWG. NO. IL-620(W) SHEET 2 OF 4 DATE: 1-28-02

ROCK CHECK DAM - RIPRAP

PROFILE

CENTERLINE LOOKING DOWNSTREAM

Flow

Ditch Bottom

Coarse Aggregate

Riprap

Top Of Bank

Riprap

Filter Fabric (Optional)

NOTES:

- Filter fabric shall meet the requirements of material specification 602 GEOTEXTILE, Table 1 or 2, Class I, II, or IV and shall be placed over the cleared area prior to the placing of rock.
- Coarse aggregate shall meet one of the following IDOT gradations, CA-1, CA-2, CA-3, or CA-4.
- Riprap shall meet IDOT gradation RB-3 or RB-4 and meet Quality Designation A.
- Coarse aggregate and riprap shall be placed according to construction specification 20 ROCKFILL using placement Method 1 and Class II compaction.
- For added stability, the base of the dam may be keyed 6 inches into the soil.
- See plans for spacing of dams and R dimensions.
- Maximum drainage area to each dam is 10 acres.
- ROCK CHECK DAM-COARSE AGGREGATE IL-606CA may be used for drainage areas under 2 acres.
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REFERENCE: Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS STANDARD DWG. NO. IL-606R SHEET 1 OF 1 DATE: 1-28-02

STABILIZATION TYPE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
TEMPORARY SEEDING IL 31 R.O.W.	A							
PERMANENT SEEDING IL 31 R.O.W.						A		
PERMANENT SEEDING STEARNS ROADWAY	B							
EROSION CONTROL BLANKET	X							

A = CLASS 2A SEED MIXTURE
 B = CLASS 4 SEED MIXTURE, TO BE PLACED WITHIN 3 DAYS OF PLACEMENT OF TOPSOIL.

NOTE: ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY.

PIPE OUTLET TO FLAT AREA

Pipe Outlet To Flat Area No Well-Defined Channel

PLAN

SECTION A-A

Geotextile

NOTES:

- The filter fabric shall meet the requirements in material specifications 602 GEOTEXTILE Table 1 or 2, Class I, II, or III.
- The rock riprap shall meet the IDOT requirements for the following gradation: RB _____ Quality _____
- The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

REFERENCE: Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS STANDARD DWG. NO. IL-610 SHEET 1 OF 1 DATE: 8-28-04

EROSION BLANKET PLAN

DETAIL 1

DETAIL 2

Anchor Slot

Jute Mesh

Erosion Control Paper

Staple

Terminal Fold

Jute Mesh Only

Staple

Terminal Fold

Erosion Control Paper

Staple

Junction Slot

Jute Mesh

Erosion Control Paper

Staple

Junction Slot

Erosion Control Paper

NOTES:

- On erosion control paper, check slots in ditch channel shall be spaced so that one occurs within each 50' on slopes of more than 4% and less than 6%. On slopes of 6% or more, they shall be spaced so that one occurs within each 25'.
- Staples are to be placed alternately in columns approximately 2' apart and in rows approximately 8' apart. Approximately 175 staples are required per 4' x 225' roll of material and 125 staples are required per 4' x 225' roll of material.
- Erosion control material shall be placed loosely over ground surface. Do not stretch.
- All terminal ends and transverse laps shall be stapled at approximately 12" intervals.

REFERENCE: Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS STANDARD DWG. NO. IL-630 SHEET 1 OF 1 DATE: 8-28-04

EROSION BLANKET PLAN

DETAIL 3

DETAIL 4

STAPLE DETAIL

Temp Soil Firmly

Anchor Slot

Jute Mesh

Erosion Control Paper

Staple

Temp Soil Firmly

Check Slot

Erosion Control Paper

Staple

Lap Joint

Jute Mesh

Erosion Control Paper

Erosion Control Paper

Erosion Control Paper

Staple

Staple

NOTES:

- On erosion control paper, check slots in ditch channel shall be spaced so that one occurs within each 50' on slopes of more than 4% and less than 6%. On slopes of 6% or more, they shall be spaced so that one occurs within each 25'.
- Staples are to be placed alternately in columns approximately 2' apart and in rows approximately 8' apart. Approximately 175 staples are required per 4' x 225' roll of material and 125 staples are required per 4' x 225' roll of material.
- Erosion control material shall be placed loosely over ground surface. Do not stretch.
- All terminal ends and transverse laps shall be stapled at approximately 12" intervals.

REFERENCE: Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS STANDARD DWG. NO. IL-630 SHEET 2 OF 1 DATE: 8-28-04

URS 100 S. Wacker Drive, Suite 500 TEL (312) 939-1000
 Chicago, Illinois 60606 FAX (312) 939-4198

REVISIONS

NAME	DATE
Added Detail & Notes	2/20/07

Illinois Route 31
 Bridge over Stearns Road
 Construction Details

SCALE: _____ DRAWN BY _____
 DATE 01/31/2007 CHECKED BY _____