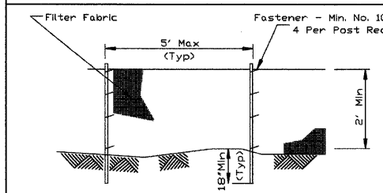
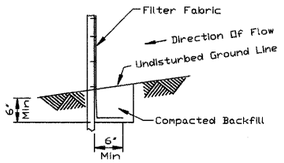
PLAN	BY	DATE
SURVEYED		
PLOTTED		
DESIGNED	ALIGNMENT CHECKED	
DRAWN	R/L OF WAY CHECKED	
NOTEBOOK NO.	CADD FILE NAME	

PERIMETER EROSION BARRIER PLAN



ELEVATION

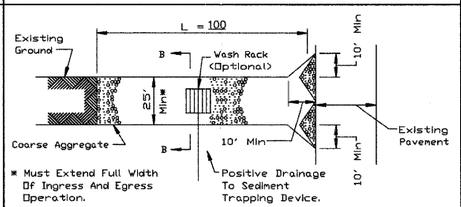


FABRIC ANCHOR DETAIL

NOTES:
1. 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.
2. Filter fabric shall meet the requirements of material specification Article 1080.02
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

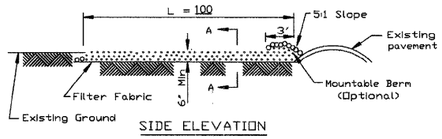
REFERENCE Project NEW STEARNS ROAD Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____ | NRCS | STANDARD DWG. NO. IL-620 SHEET 1 OF 2 DATE 11-20-01

STABILIZED CONSTRUCTION ENTRANCE PLAN



* Must Extend Full Width Of Ingress And Egress Operation.

PLAN VIEW

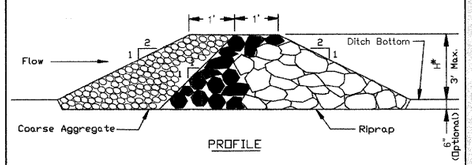


SIDE ELEVATION

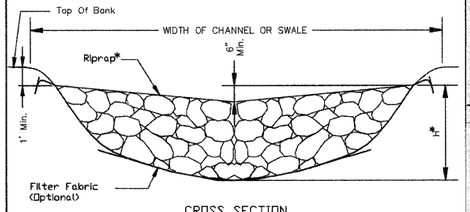
NOTES:
1. Filter fabric shall meet the requirements of material specification Article 1080.03
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, ~~CA-1, CA-2,~~ CA-3 or ~~CA-4~~ and be placed according to Article 281.4
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE Project NEW STEARNS ROAD Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____ | NRCS | STANDARD DWG. NO. IL-630 SHEET 1 OF 2 DATE 8-18-94

ROCK CHECK DAM - RIPRAP



PROFILE



CROSS SECTION
CENTERLINE LOOKING DOWNSTREAM

NOTES:
1. Filter fabric shall meet the requirements of material specification Article 1080.03
2. Coarse aggregate shall meet one of the following IDOT gradations, CA-1, CA-2, CA-3, or CA-4.
3. Coarse aggregate and riprap shall be placed according to construction specification Article 281.04
4. For added stability, the base of the dam may be keyed 6 inches into the soil.
5. See plans for spacing of dams and H dimensions.
6. Maximum drainage area to each dam.
7. ROCK CHECK DAM-COARSE AGGREGATE IL-605CA may be used for drainage areas under 2 acres.

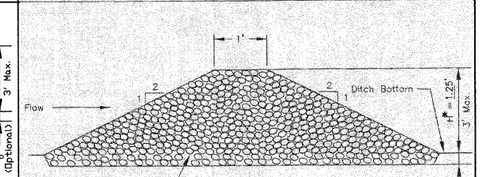
*ALL CHECK DAMS SHALL BE TEMPORARY MEANS OF EROSION CONTROL AND REMOVED AFTER CONSTRUCTION.

*H=1.25' AT ALL TEMPORARY SIDE ROAD DITCHES AT THE LOCATIONS SHOWN. RIP-RAP AT THESE LOCATIONS SHALL BE RR3 OR COARSE AGGREGATE, AT THE DISCRETION OF THE CONTRACTOR AND KCSWCD.

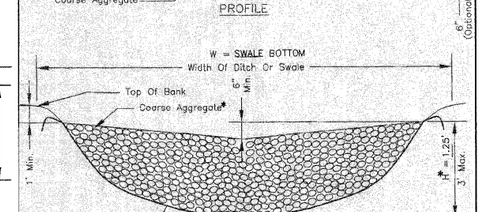
*H=2.0' AT BOX CULVERT OUTFALL. RIP-RAP AT THIS LOCATION SHALL BE RR5.

REFERENCE Project NEW STEARNS ROAD Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____ | NRCS | STANDARD DWG. NO. IL-605R SHEET 1 OF 1 DATE 1-29-99

ROCK CHECK DAM - COARSE AGGREGATE



PROFILE



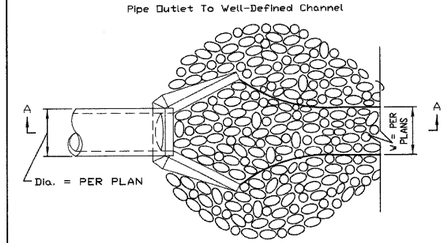
*ALL CHECK DAMS SHALL BE TEMPORARY MEANS OF EROSION CONTROL AND REMOVED AFTER CONSTRUCTION.
*H=1.25' AT ALL TEMPORARY SIDE ROAD DITCHES AT THE LOCATIONS SHOWN. RIP-RAP AT THESE LOCATIONS SHALL BE RR3 OR COARSE AGGREGATE, AT THE DISCRETION OF THE CONTRACTOR AND KCSWCD.

CROSS SECTION

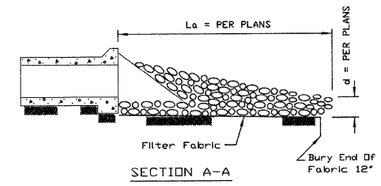
NOTES:
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II, or IV and shall be placed over the cleared area prior to the placing of rock.
2. Coarse aggregate shall meet one of the following IDOT gradations, CA-1, CA-2, CA-3, or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. For added stability, the base of the dam may be keyed 6 inches into the soil.
4. See plans for spacing of dams and H dimensions.
5. Drainage area to each dam shall be less than 2 acres.
6. Use ROCK CHECK DAM-RIPRAP IL-605R for drainage areas of 2 to 10 acres.

REFERENCE Project NEW STEARNS ROAD Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____ | NRCS Natural Resources Conservation Service | STANDARD DWG. NO. IL-605CA SHEET 1 OF 1 DATE 1-29-99

PIPE OUTLET TO CHANNEL



PLAN

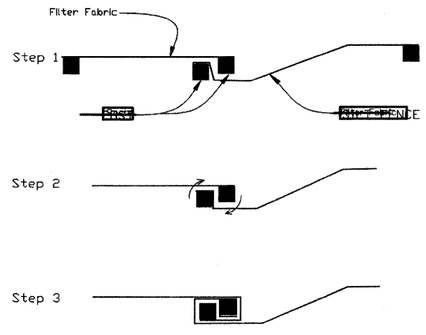


SECTION A-A

NOTES:
1. The filter fabric shall meet the requirements in material specification 592 GEOTEXTILE Table 1 or 2, Class I, II or III.
2. The rock riprap shall meet the IDOT requirements for the following gradation as specified on the plan.
3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

REFERENCE Project NEW STEARNS ROAD Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____ | NRCS | STANDARD DWG. NO. IL-611 SHEET 1 OF 1 DATE 8-18-94

PERIMETER EROSION BARRIER

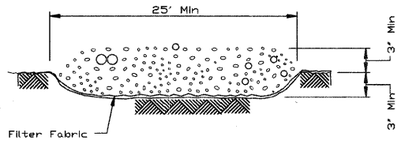


ATTACHING TWO SILT FENCES

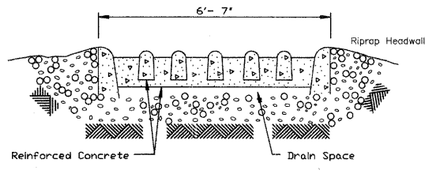
NOTES:
1. Place the end post of the second fence inside the end post of the first fence.Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with
2. the fabric material.Drive both posts a minimum of 18 inches into the ground and bury the flap.
3.

REFERENCE Project NEW STEARNS ROAD Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____ | NRCS | STANDARD DWG. NO. IL-620(W) SHEET 2 OF 2 DATE 1-29-99

STABILIZED CONSTRUCTION ENTRANCE PLAN



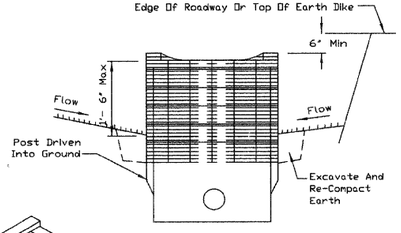
SECTION A-A

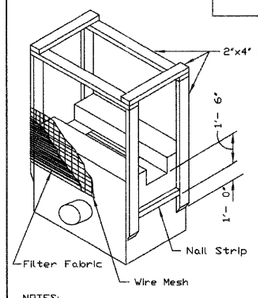


SECTION B-B

REFERENCE Project NEW STEARNS ROAD Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____ | NRCS | STANDARD DWG. NO. IL-630 SHEET 2 OF 2 DATE 8-18-94

INLET PROTECION - FABRIC DROP PLAN

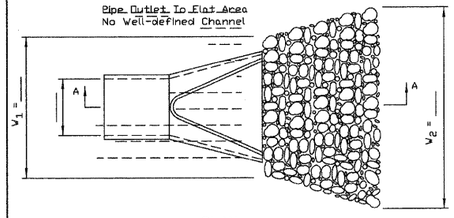




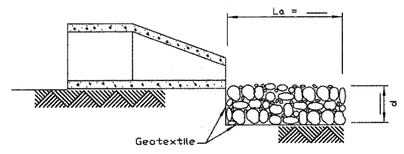
NOTES:
1. Filter fabric shall meet the requirement of material specification 592 GEOTEXTILE table 1 or 2, class I, with an EOS of at least 30 for nonwoven and 50 for woven.
2. The wire mesh shall have a maximum opening of at least 6 inches.
3. Limit drainage area to the inlet protection to 1 acre.

REFERENCE Project NEW STEARNS ROAD Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____ | NRCS | STANDARD DWG. NO. IL-560 SHEET 1 OF 1 DATE 6-29-93

PIPE OUTLET TO FLAT AREA



PLAN



SECTION A-A

NOTES:
1. The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II or III.
2. The rock riprap shall meet the IDOT requirements for the following gradation: RR _____, Quality _____.
3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

REFERENCE Project NEW STEARNS ROAD Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____ | NRCS | STANDARD DWG. NO. IL-610 SHEET 1 OF 1 DATE 9-15-93

EROSION CONTROL PLAN - DETAILS

FILE NAME = I:\Dgn\Civil\sheet\ecp.dgn	USER NAME = MTomasco	DESIGNED -	KANE COUNTY DIVISION OF TRANSPORTATION	NEW STEARNS ROAD - STAGE 2 EROSION CONTROL PLAN	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -			361	06-00214-10-BR	KANE	219	31
	PLOT SCALE = 1:100	CHECKED -					CONTRACT NO. 63073		
	PLOT DATE = 06/25/08	DATE - 06/27/08		SCALE: 1"=100' SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		