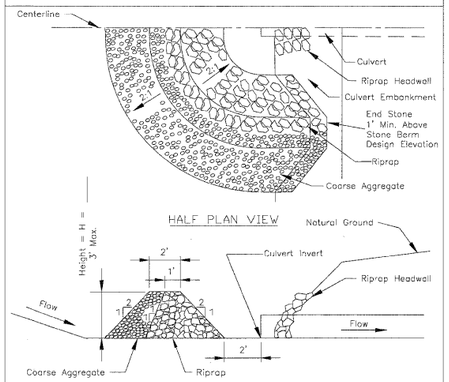
CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE | PLAN
SURVEYED | PLOTTED | ALIGNMENT CHECKED | GRADES CHECKED | DESIGNED | CADD FILE NAME
NOTE BOOK | NO.
BY | DATE | NO. | REVISIONS | STRUCTURE

CULVERT INLET PROTECTION - STONE

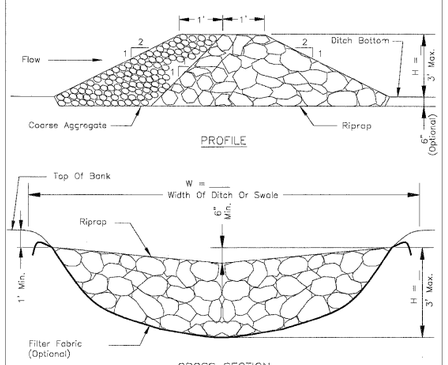


CENTERLINE CROSS SECTION

Notes:
1. Sediment shall be removed when the sediment has accumulated to one-half the height of the stone berm.
2. Coarse aggregate shall meet one of the following IDOT coarse aggregate gradations, CA-1, CA-2, CA-3 or CA-4.
3. Riprap shall meet IDOT gradation RR-3 or RR-4. Any permanent riprap, such as for the culvert headwall, shall meet IDOT Quality Designation A.
4. Coarse aggregate and riprap shall be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
5. The maximum drainage area to the culvert being protected is 3 acres.
6. See plans for H dimension.
7. Tie the stone berm into the culvert embankment a minimum of 1 foot above the design elevation of the stone berm.

REFERENCE: Project ____ Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____
NRCS Natural Resources Conservation Service
STANDARD DWG. NO. IL-508ST | SHEET 1 OF 1 | DATE 1-29-99

ROCK CHECK DAM - RIPRAP

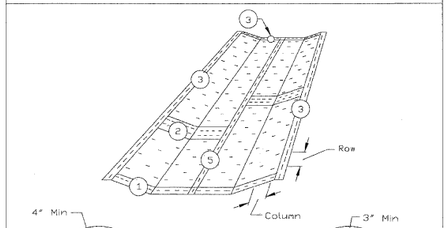


CROSS SECTION
CENTERLINE LOOKING DOWNSTREAM

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.
3. Riprap shall meet IDOT gradation RR-3 or RR-4 and meet Quality Designation A.
4. Coarse aggregate and riprap shall be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
5. For added stability, the base of the dam may be keyed 6 inches into the soil.
6. See plans for spacing of dams and H dimensions.
7. Maximum drainage area to each dam is 10 acres.
8. ROCK CHECK DAM-COARSE AGGREGATE IL-605CA may be used for drainage areas under 2 acres.

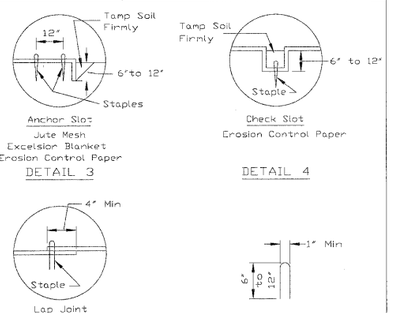
REFERENCE: Project ____ Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____
NRCS Natural Resources Conservation Service
STANDARD DWG. NO. IL-605R | SHEET 1 OF 1 | DATE 1-29-99

EROSION BLANKET PLAN



REFERENCE: Project ____ Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____
NRCS Natural Resources Conservation Service
STANDARD DWG. NO. IL-530 | SHEET 1 OF 2 | DATE 3-24-94

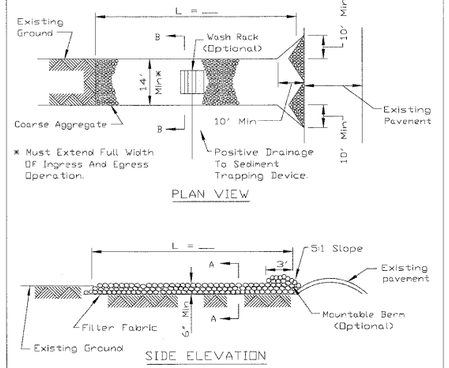
EROSION BLANKET PLAN



NOTES:
1. 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'.
2. Staples are to be placed alternately, in columns approximately 2' apart and in rows approximately 3' apart. Approximately 175 staples are required per 4'x 225' roll of material and 125 staples are required per 4'x 150' roll of material.
3. Erosion control material shall be placed loosely over ground surface. Do not stretch.
4. All terminal ends and transverse laps shall be stapled at approximately 12" intervals.

REFERENCE: Project ____ Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____
NRCS Natural Resources Conservation Service
STANDARD DWG. NO. IL-530 | SHEET 2 OF 2 | DATE 3-1-95

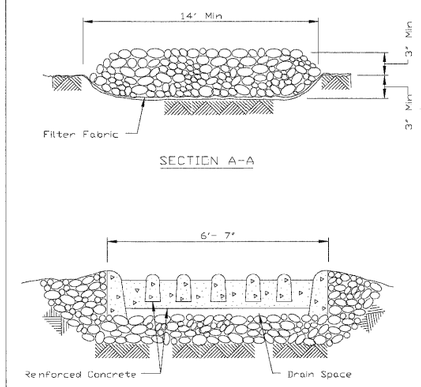
STABILIZED CONSTRUCTION ENTRANCE PLAN



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. 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 construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
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.

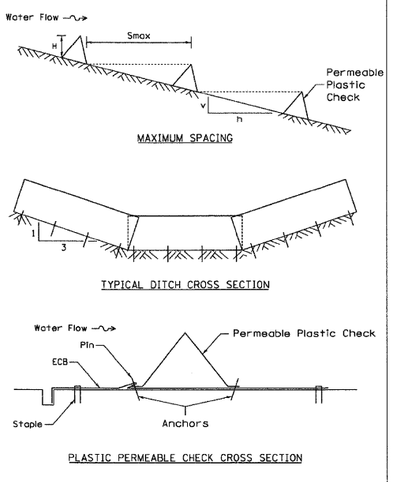
REFERENCE: Project ____ Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____
NRCS Natural Resources Conservation Service
STANDARD DWG. NO. IL-630 | SHEET 1 OF 2 | DATE 8-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN



REFERENCE: Project ____ Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____
NRCS Natural Resources Conservation Service
STANDARD DWG. NO. IL-630 | SHEET 2 OF 2 | DATE 8-18-94

PLASTIC PERMEABLE CHECKS



REFERENCE: Project ____ Designed ____ Date ____ Checked ____ Date ____ Approved ____ Date ____
STANDARD DWG. NO. IUM-514 | SHEET 1 OF 1 | DATE 6-30-11

PAID FOR AS "TEMPORARY DITCH CHECK"

FILE NAME = N:\ALGONQUIN\070273.00026\Civil\ECP_070273.4.SHT	USER NAME = mworman	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50'	CHECKED -	REVISED -
	PLOT DATE = 11/15/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EDGEWOOD DRIVE IMPROVEMENTS
EROSION AND SEDIMENT CONTROL DETAILS
SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4010	09-00078-00-WR	McHENRY	128	46
		CONTRACT NO. 63655		
		ILLINOIS FED. AID PROJECT		