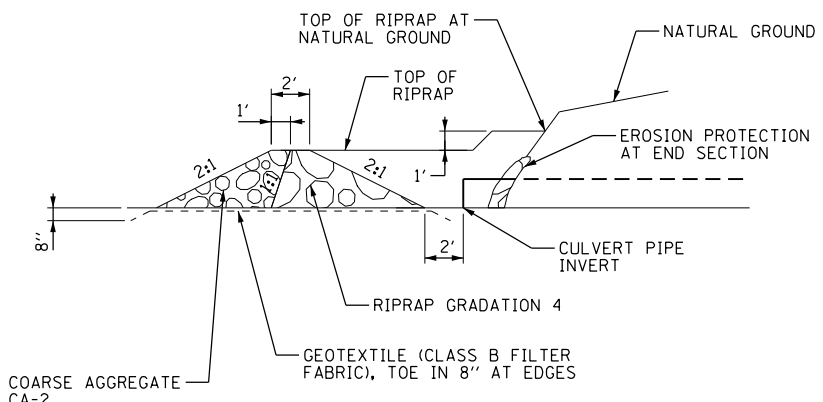
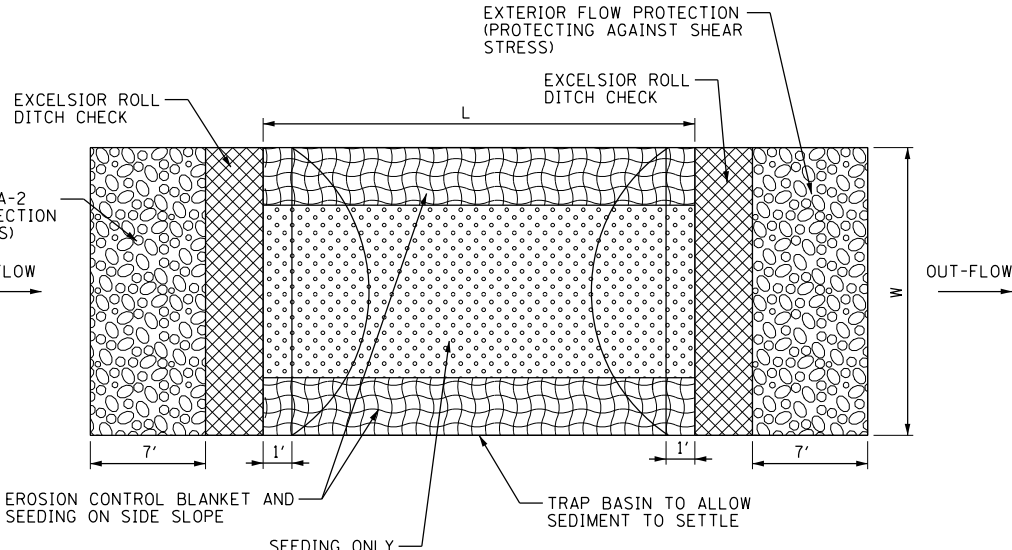


HALF PLAN VIEW

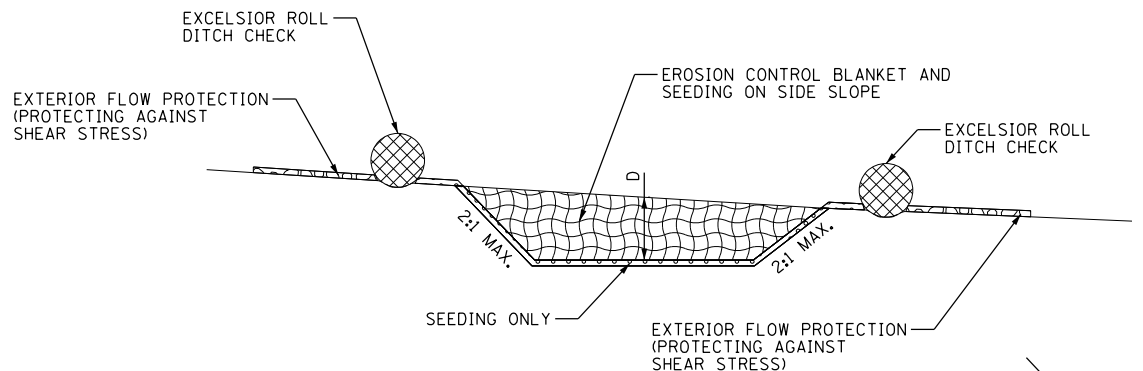


CENTERLINE CROSS SECTION

AGGREGATE BERM

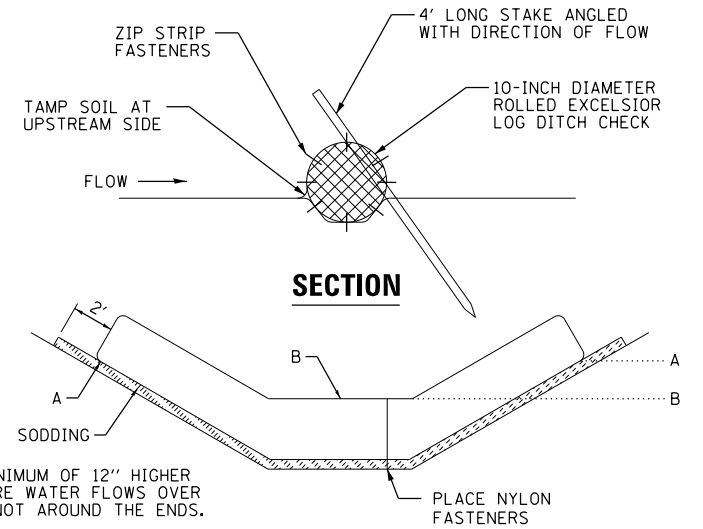


PLAN VIEW



SECTION

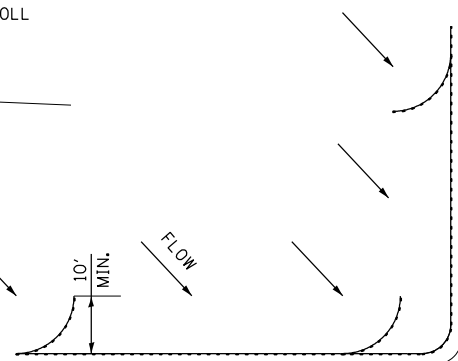
SEDIMENT TRAP



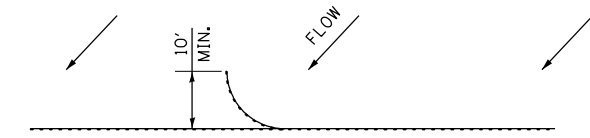
ELEVATION

TEMPORARY DITCH CHECK ROLLED EXCELISIOR

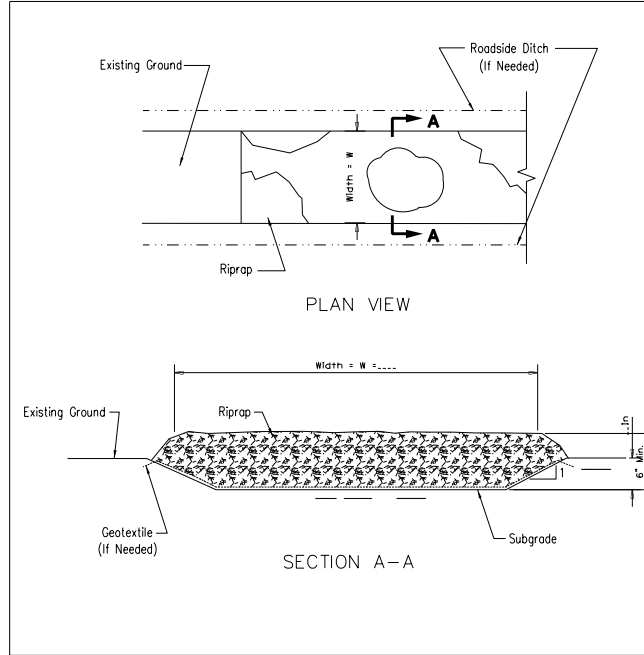
POINT A MUST BE A MINIMUM OF 12" HIGHER THAN POINT B TO INSURE WATER FLOWS OVER THE DITCH CHECK AND NOT AROUND THE ENDS.



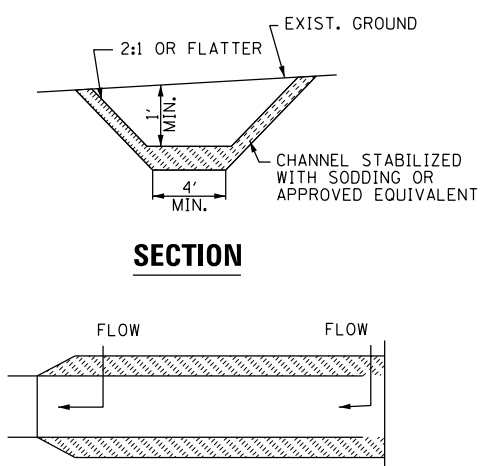
"J" HOOKS AT CORNER



"J" HOOKS AT PERIMETER CONTROL SILT FENCE PLACEMENT



NOTES:
 1. Rock shall meet one of the following IDOT coarse aggregate 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. 2. See plans for construction road location, D and W dimensions. 3. Minimum width is 14 feet for one-way traffic and 20 feet for two-way traffic. Two-way traffic widths shall be increased a minimum of 4 feet for trailer traffic. Depending on the type of vehicle or equipment, speed, loads, climatic and other conditions under which vehicles and equipment operate an increase in the minimum widths may be required. 4. Roadway shall follow the contour of the natural terrain to the extent possible. 5. Geotextile (non-woven) minimum criteria: Weight of Geotextile (oz/sq.yd.) = 6 Tensile strength (lb) = 180 Elongation at failure (%) = 50 Puncture (lb) ASTM D 4833 = 80 Ultraviolet light (% residual tensile strength) = 80 ASTM D 4355 = min 70 Apparent opening size (AOS) ASTM D 4751 = max 40 sieve Permittivity sec-1 ASTM D 4491 = min 0.706. Any geotextile splices shall overlap a minimum of 18 inches, with upstream or upslope geotextile overlapping the abutting downslope geotextile.

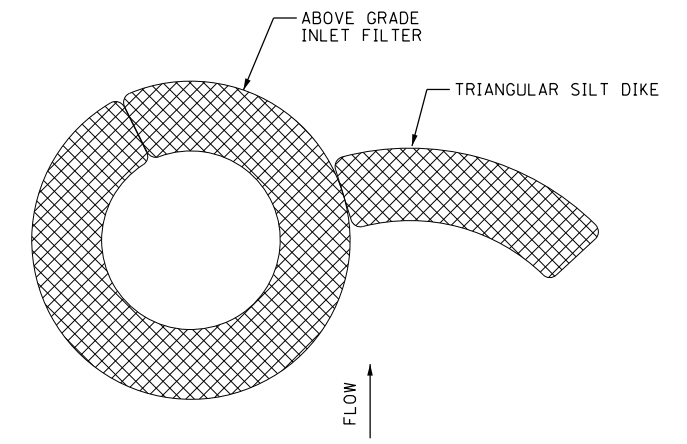


SECTION

PLAN VIEW

TEMPORARY SWALE

- NOTES:
1. ALL TEMPORARY SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET
 2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICES.
 3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY.
 4. ALL TREES, BRUSH, STUMPS, OBSTRUCTION AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
 5. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
 6. ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTION OF THE SWALE.



ABOVE GRADE INLET FILTER WITH TRIANGULAR SILT DIKE

APEX CONSULTING ENGINEERS, LLC
 111 E. Lake Street, Suite 520
 Chicago, IL 60601

FILE NAME = D:\6062-SHT-EROS-29_Details.dgn	USER NAME = Frank.Stallone	DESIGNED - L.N.	REVISED -
		DRAWN - M.P.	REVISED -
		CHECKED - W.H.I.	REVISED -
		DATE - 02/08/2013	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
 DETAILS - NORTH CONTRACT

F.A. RTE. 330	SECTION 103R-5	COUNTY COOK	TOTAL SHEETS 778	SHEET NO. 152
ER-29			CONTRACT NO. 60M62	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.