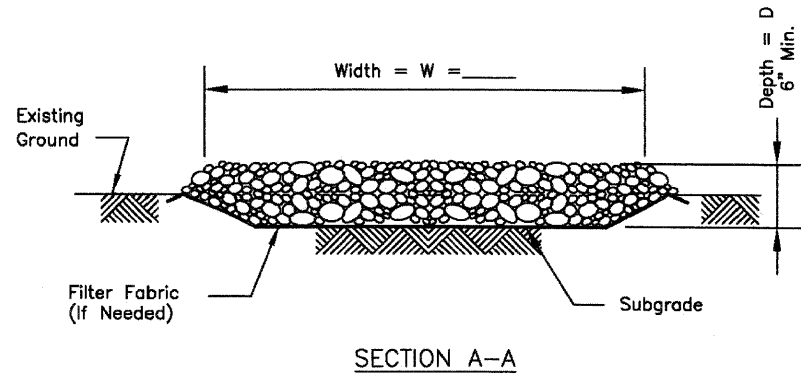
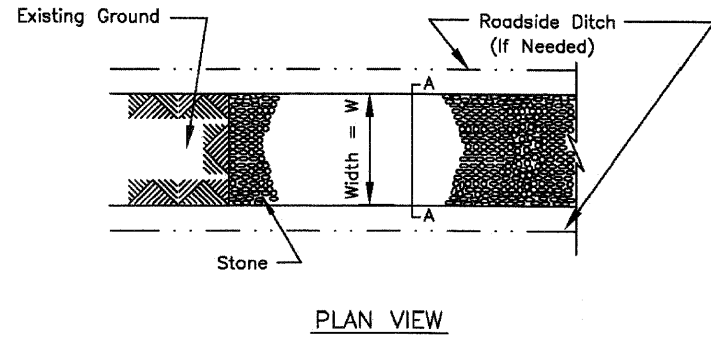


# CONSTRUCTION ROAD STABILIZATION



- 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. Stone 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.
  3. See plans for construction road location, D and W dimensions.
  4. 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.
  5. Roadway shall follow the contour of the natural terrain to the extent possible.

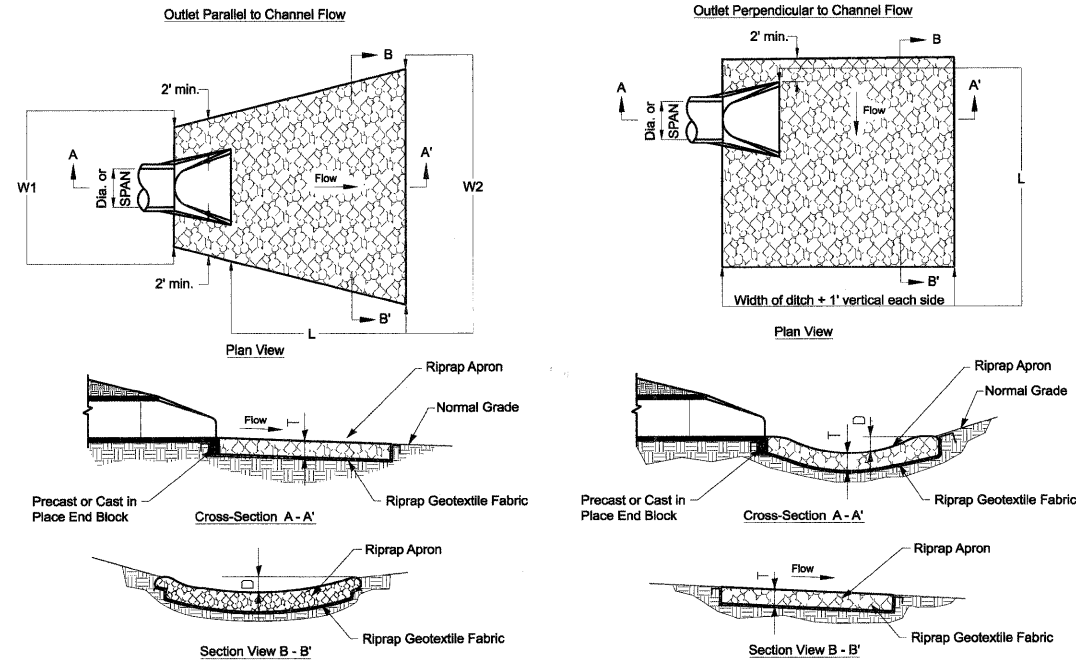
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 Project \_\_\_\_\_  
 Designed \_\_\_\_\_ Date \_\_\_\_\_  
 Checked \_\_\_\_\_ Date \_\_\_\_\_  
 Approved \_\_\_\_\_ Date \_\_\_\_\_



STANDARD DWG. NO.  
 IL-506  
 SHEET 1 OF 1  
 DATE 1-29-99

RIPRAP QUANTITIES PERPENDICULAR TO CHANNEL FLOW

STRUCTURE ID	PIPE DIAMETER (IN)	IDOT GRADATION	BED THICKNESS - T (IN)	APRON LENGTH - L (FT)	DITCH WIDTH + 1' VERT (FT)	AREA (SQ.FT)	VOLUME (CU-FT)	VOLUME (CU-YD)
A2-1	24	RR-4	15	21	12.7	244	305	11
D3-1	18	RR-3	15	16	10.6	170	213	8
F-01	24	RR-4	15	20	11.5	230	288	11



**ROCK OUTLET PROTECTION DETAIL**  
 N.T.S.

DIA. OF ROUND INLET PIPE (in)	IDOT RIPRAP GRADATION (RR)	RIPRAP BED THICKNESS (in)	APRON LENGTH (ft)		APRON WIDTH (ft)		DEPTH BELOW NORMAL GRADE
			L	W1	W2	D	
12	RR-3	15.0	12.0	5.0	11.0	6.0	
15	RR-3	15.0	14.0	5.0	12.0	6.0	
18	RR-3	15.0	16.0	5.5	13.5	7.0	
24	RR-4	15.0	20.0	6.0	16.0	10.0	
30	RR-4	20.0	22.0	6.0	17.0	11.0	
36	RR-4	20.0	24.0	7.0	19.0	11.0	

RIPRAP QUANTITIES PARALLEL TO CHANNEL FLOW

STRUCTURE ID	PIPE DIAMETER (IN)	IDOT GRADATION	BED THICKNESS - T (IN)	APRON LENGTH - L (FT)	APRON WIDTH - W1 (FT)	APRON WIDTH - W2 (FT)	AREA (SQ.FT)	VOLUME (CU-FT)	VOLUME (CU-YD)
L-01	15	RR-3	15	14	5	12	170	213	8
L-03	15	RR-3	15	14	5	12	170	213	8
L-05	15	RR-3	15	14	5	12	170	213	8
L-07	15	RR-3	15	14	5	12	170	213	8
M-00	15	RR-3	15	14	5	12	170	213	8
M-02	15	RR-3	15	14	5	12	170	213	8
M-04	15	RR-3	15	14	5	12	170	213	8
M-06	15	RR-3	15	14	5	12	170	213	8
M-08	15	RR-3	15	14	5	12	170	213	8
A-00	12	RR-3	15	12	5	11	138	173	6
A-32	12	RR-3	15	12	5	11	138	173	6
A-39	12	RR-3	15	12	5	11	138	173	6
B1-00a	18	RR-3	15	16	5.5	13.5	217	271	10
B4-6	18	RR-3	15	16	5.5	13.5	217	271	10
D-00	18	RR-3	15	16	5.5	13.5	217	271	10
E2-1	18	RR-3	15	16	5.5	13.5	217	271	10
H-01	18	RR-3	15	16	5.5	13.5	217	271	10
B2-00	24	RR-4	15	20	6	16	316	395	15
B4-4	24	RR-4	15	20	6	16	316	395	15
D2-00	24	RR-4	15	20	6	16	316	395	15
E-00	24	RR-4	15	20	6	16	316	395	15
J-01	24	RR-4	15	20	6	16	316	395	15
K-01	24	RR-4	15	20	6	16	316	395	15
K1-01	24	RR-4	15	20	6	16	316	395	15
N-03	24	RR-4	15	20	6	16	316	395	15
B1-00	36	RR-4	20	24	7	19	450	750	28

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FILE NAME =	USER NAME = #USER#	DESIGNED - XXX	REVISED -
#FILES#		DRAWN - INS	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED - AJP	REVISED -
	PLOT DATE = 3/30/2009	DATE = 3/31/09	REVISED -

**KANE COUNTY**  
**DIVISION OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	141
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 63074