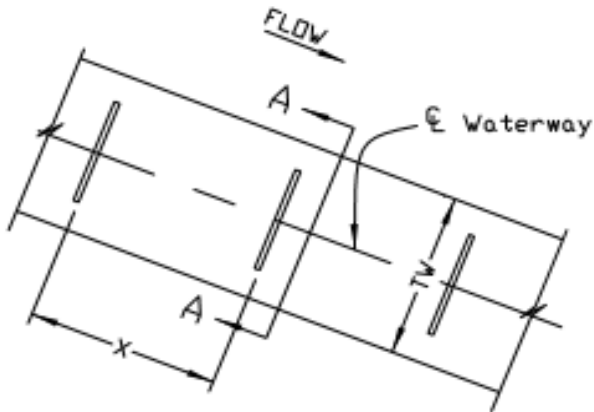
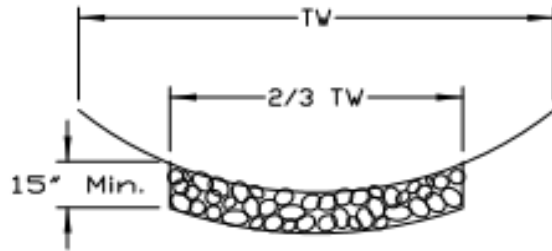


ROCK CHECKS FOR WATERWAYS



PLAN VIEW



SECTION A-A

WATERWAY NUMBER _____
 FROM STATION _____
 TO STATION _____
 CHECK SPACING (X) _____
 CHECK WIDTH (2/3 TW) _____

BILL OF MATERIALS

Rock - IDOT RR3, or equivalent - _____ Tons

NOTES:

1. Excavate trench 12 inches wide or one backhoe bucket wide, whichever is greater.
2. Compact rock backfill by rolling with construction equipment.
3. Finished rock surface will be flush with the ground surface when completed.

LOCATION PLAN



County _____

Sec. ____ T ____ R ____

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



NRCS

Natural Resources Conservation Service

STANDARD DWG. NO.
 IL-541
 SHEET 1 OF 2
 DATE 8-17-94

ROCK CHECKS FOR WATERWAYS

ROCK CHECK SPACING

WATERWAY GRADE %	MAXIMUM SPACING FT.
0 - 1.5	100
1.5 - 3.0	75
> 3.0	50

ROCK QUANTITIES IN TONS - PER ROCK CHECK

DEPTH <In.>	ROCK CHECK WIDTH - 2/3 TW - IN FEET										
	10	12	14	16	18	20	22	24	26	28	30
15	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.1	4.4
18	1.8	2.1	2.5	2.8	3.2	3.6	3.9	4.3	4.6	5.0	5.3
24	2.4	2.8	3.3	3.8	4.3	4.7	5.2	5.7	6.2	6.6	7.1

Note: Quantities based on 2 foot wide trench and 1.6 Tons/Cu. Yd.
(Divide quantities by 2 for 12 inch trench widths.)

ROCK GRADATION - IDOT RR3

Size	% Passing By Weight
50 Lb.	100
10 Lb.	30 - 70
1 Lb.	0 - 16

Project _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____



IL-541
 SHEET 2 OF 2
 DATE 8-17-94