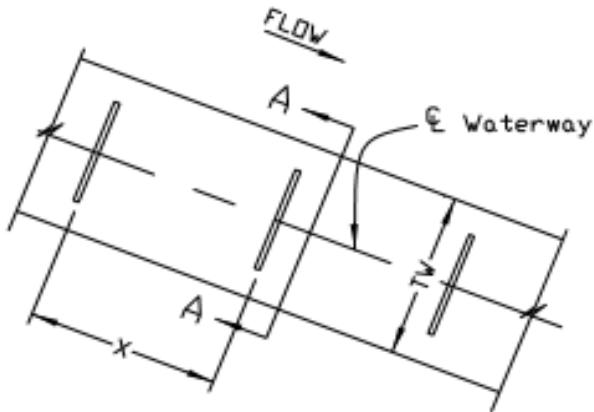
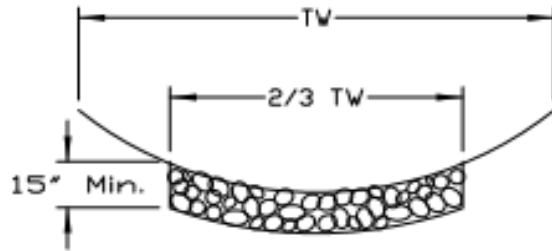


# ROCK CHECKS FOR WATERWAYS



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