



Notes:

1. Excavate trench a minimum 12 inches wide (thickness), not to exceed 18 inches.
2. Rock shall be graded according to the table shown.
3. Compact rock backfill by rolling with construction equipment.
4. Finished rock surface will be flush with the ground surface.

ROCK GRADATION: D50=3"-4"	
Size	% Passing By Weight
50 lb.	100
10 lb.	30-70
1 lb.	0-16

$[BW \text{ _____ ft} \times THICKNESS \text{ _____ in} / 12 \times TRENCH DEPTH \text{ _____ in} / 12] / [27 \text{ cu ft/cu yd}] \times 1.6 \text{ tons/cu yd}$
 = _____ tons per rock check

Rock Check Data								
Waterway Number	Start Station	End Station	Check Spacing (X)	No. of Checks	Check Width (Section A-A)	Thickness (in)	Depth (in)	Total (Ton)
<i>Totals:</i>								

<u>Waterway Grade</u>	<u>Maximum Spacing between Checks</u>
0 to 1.5 percent	100 Feet
1.5 to 3.0 percent	75 Feet
Greater than 3 percent	50 Feet

NEBRASKA STANDARD DRAWING
 NE400-10-002
 Adapted from IA drawing nrcs142p2_011439.dwg (1507)
 DATE: July, 2016 | PAGE 1 OF 1

 United States Department of Agriculture Natural Resources Conservation Service	TRAPEZOIDAL ROCK CHECK DETAIL		Date _____	File Name _____
	Owner: _____		Designed _____	Drawing Name NE400-10-002
	Location: Sec. _____, T. _____, R. _____ _____ Township		Drawn _____	Checked _____
	_____ County, Nebraska		Approved _____	Sheet _____ of _____