



PLAN VIEW

SECTION A-A

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>								

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

IOWA STANDARD DWG. NO. 1507

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TRAPEZOIDAL ROCK CHECK DETAIL

Owner: _____
 Location: Sec. _____, T. _____ N, R. _____
 _____ Township
 _____ County, Iowa

Designed _____ Date _____
 Drawn _____
 Checked _____
 Approved _____

File Name _____
 Drawing Name _____
 Sheet _____ of _____