

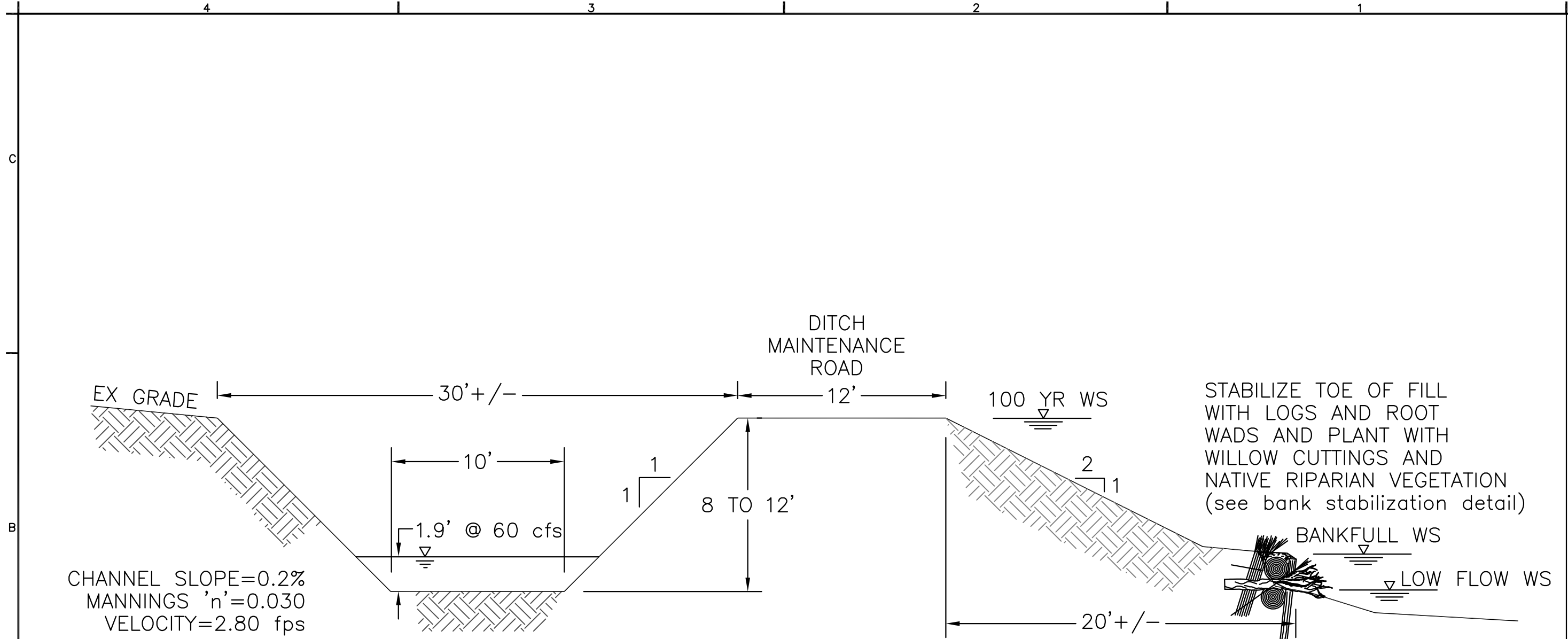
Rev.	Date	Design file no.	Drawing Code	File name
1	Aug. 2010			

Designed by: JEFF CRANE	Clid by: JFC	Reviewed by:	Submitted by:
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29163 Singly Gulch Road Hotchkiss, Colorado 81419 Phone (970) 261-5043 jeffcrane@paonline.com	

RELIEF DITCH RECONSTRUCTION DESIGN ALTERNATIVE 2 GUNNISON RIVER DELTA COUNTY, COLORADO HEADGATE DETAILS

Sheet reference number: Sheet 5 of 8

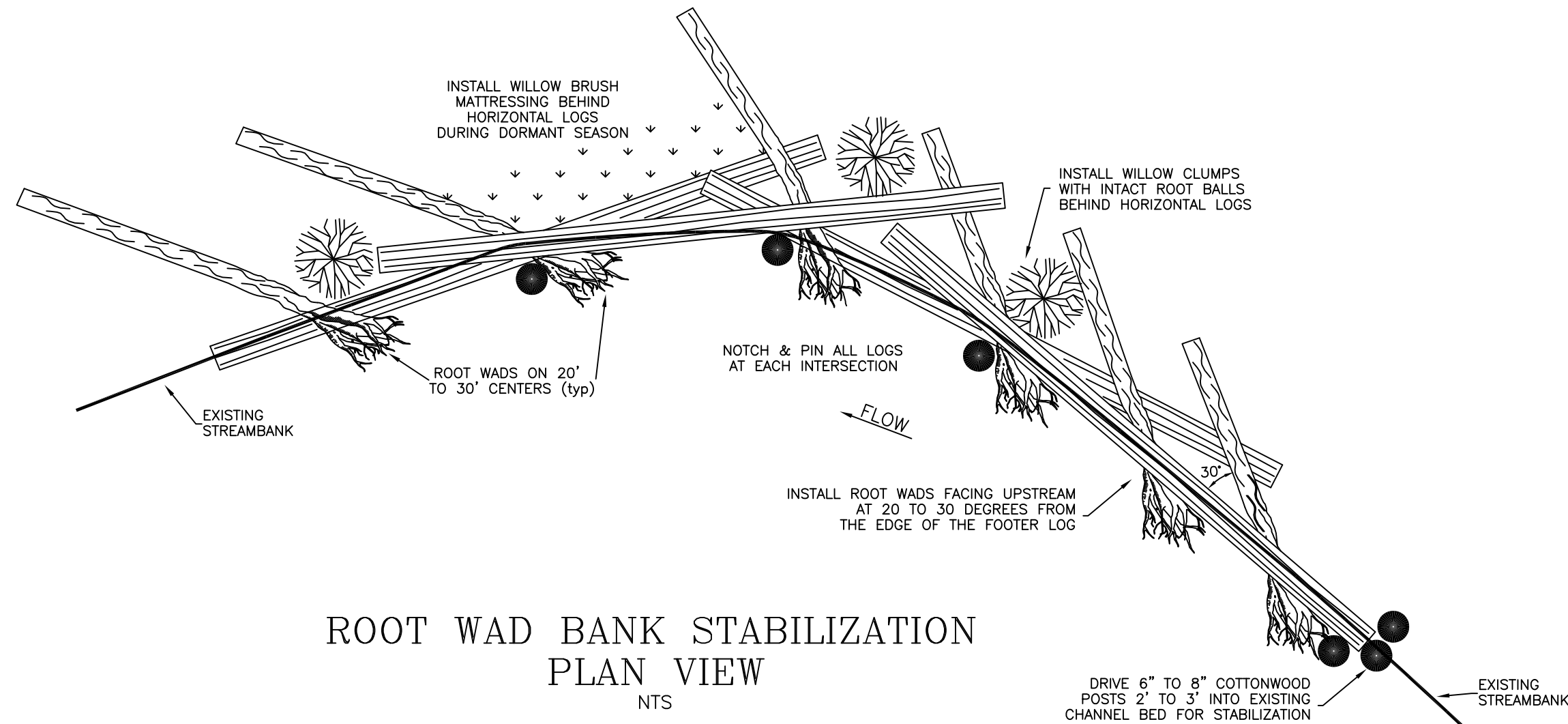


**PROPOSED DITCH EXTENSION
SECTION A-A**
NTS

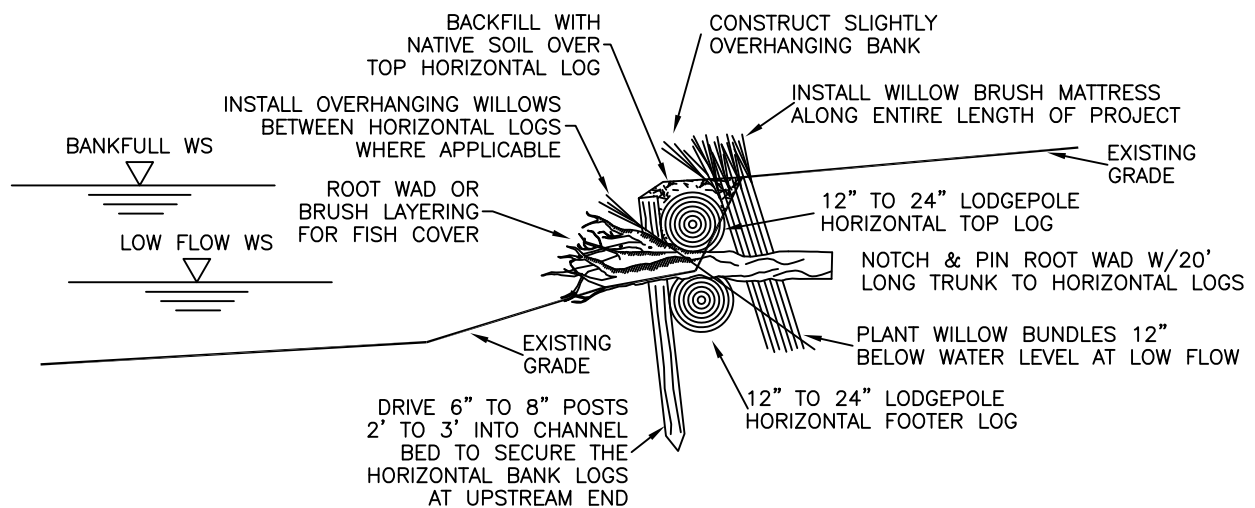
CHANNEL SLOPE=0.2%
MANNINGS 'n'=0.030
VELOCITY=2.80 fps

STABILIZE TOE OF FILL
WITH LOGS AND ROOT
WADS AND PLANT WITH
WILLOW CUTTINGS AND
NATIVE RIPARIAN VEGETATION
(see bank stabilization detail)

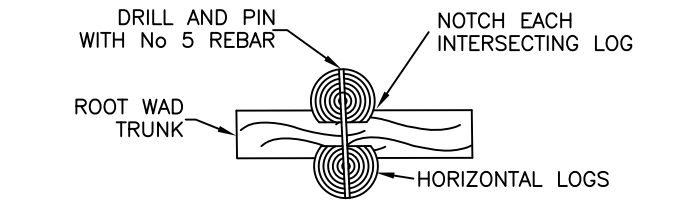
Date: Aug. 2010		Rev:	
Designed by: JEFF CRANE		Design file no:	
Dwn by: JFC		Drawing Code:	
Submitted by:		File name:	
		Plot date:	
		Plot scale:	
CRANE ASSOCIATES 29163 Singly Gulch Road Hotchkiss, Colorado 81419 Phone (970) 261-5043 jeffcrane@paonia.com		Description Symbol Date Approved	
RELIEF DITCH RECONSTRUCTION DESIGN ALTERNATIVE GUNNISON RIVER DELTA COUNTY, COLORADO DITCH DETAILS			
Sheet reference number: Sheet 1 of			



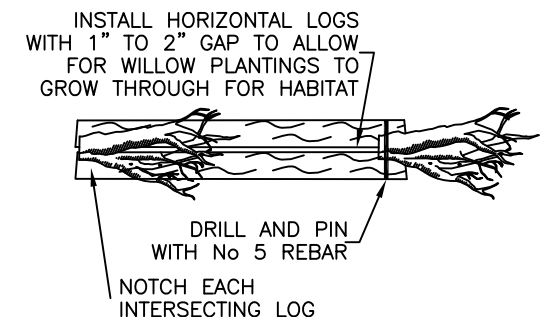
**ROOT WAD BANK STABILIZATION
PLAN VIEW**
NTS



**ROOT WAD BANK STABILIZATION
CROSS SECTION**
NTS



NOTCH & PIN DETAIL
NTS



LOG FACE DETAIL
NTS

<p>CRANE ASSOCIATES 29163 Stingy Gulch Road Hotchkiss, Colorado 81419 Phone (970) 261-5043 jeffcrane@paonia.com</p>	
<p>Relief Ditch Reconstruction Design Alternative Gunnison River Delta County, Colorado Bank Revetment Details</p>	<p>Rev. Date: Aug. 2010 Design file no: Drawing Code: File name: Plot date: Plot scale:</p>
<p>Designed by: JEFF CRANE</p>	<p>Checked by: JFC</p>
<p>Reviewed by:</p>	<p>Submitted by:</p>
<p>Sheet reference number:</p>	<p>Sheet 4 of 8</p>