



NO.		BY	CHK	APP	DATE	REVISION DESCRIPTION
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULL REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.						
DATE		REG. NO.				
CLIENT	BID	RELEASED TO/FOR				
CONSTRUCTION		A	B	C	0	1
		2	3	DATE RELEASED		
Project Office:		Scale				
BARR ENGINEERING CO.		NONE				
555 WEST 27TH STREET		Date				
HIBBING, MN 55746		2/10/05				
Ph: 1-800-225-1986		Drawn				
FAX: (218) 262-3460		JDPetrick				
www.barr.com		Checked				
		Designed				
		Approved				
MINNESOTA STEEL INDUSTRIES		IRON ORE PROCESSING PLANT				
HIBBING, MINNESOTA		NASHAWUK, MINNESOTA				
		WATER USE FLOW SHEET				
		FRESH AND PROCESS WATER				
BARR PROJECT No.		CLIENT PROJECT No.				
23/31-286-E002		FIGURE NO. 13-3				
DWG. No.		REV. No.				
MF-001		A				

NOTE:
FLOWS SHOWN ARE FOR NORMAL OPERATING CONDITIONS.

LEGEND:
FLOW QUANTITIES ARE SHOWN FOR TOTAL PLANT (2-MILL LINES)

— GPM — m³/HR.