

200 Lichfield Lane, Mansfield **NG18 4RG**

	Project	Name:
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PJS

Design Element:

CHANNEL FLOW CALL

19/08/15

Chk'd by:

Date:

App'd by:

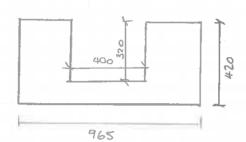
Date:

ENV OPS STS MMM (DEC)

USING BS 150 1438: 2008

DIAGRAM SLALE 1'20

MEASURED WATER DEPTH 130 - 140mm ABOVE BASE OF NOTCH





200 Lichfield Lane, Mansfield NG18 4RG

	Project Name: UNKIE NAIT		-	Project Ref:	s kun	(NECC)
/	Design Element: WEIR PLATE MAX (WPACITY		Page:	of:	*
	Calc. by: Date:	Chk'd by:	Date:	App'd by:	Date:	

Assume h = 310 mm b = 400 B = 965 h = 310 B = 965 h = 310 B = 965 A = 0.591 A = 0.000 A = 0.591 + 0.0064 A = 0.591 + 0.0064 A = 0.591 + 0.0064 A = 0.4000 A = 0.400 A = 0

19/08/15

PJS

DESIGN NEW WEIR PLATE TO INCREASE CAPACITY TO CIRCA 2004'S



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Project Name: Junkies Alit					Project Ref:	Project Ref:	
/	Design Element: Channel flor	Cale			Page:	of:	
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Junkies Q = Cd 3 129 behe P=100 h= 150 = 1.5 h= 150 P=100 b=400 b = 0.415 B=965 B G >> Figure 4 (BS 150 1436: 2008) > a = 0.591 a' = 0.0064 C1 - 0.591 + 0.0064x15 => Q= 0.6 take kn as 0.001m; Kp = 2.77 be=b+kb=0.4+0.003 = 0.403m he= h+ Kh = 0.15 + 0.001 = 0.151m 0.6 × 3 12×981 × 0.405 × 0.15132 = 0.042 m/s or 42 4/5

11/9/15



200 Lichfield Lane, Mansfield NG18 4RG

ı	Project Name: Junkies Adick				Project Ref:	
/	Design Element: CHANGE FLOW			(Page:	of:
	Calc. by:	Date: 26/11/15	Chk'd by:	Date:	App'd by:	Date:

flow depth measured at 156mm $ Q = Ch^{2}/29 \text{ behe}^{3/2} $ $ b = 400 $ $ B = 965 $ $ D = 0415 $ $ P = 156 $ $ h = 156 $ $ h = 156 $
Cb =) figure 4 (BS 150 1438: 2008) 2 a = 0.591 a = 0.0004
Cd = 0.591 + 0.0066×15 = Cd = 0.6
be= 6+16= 04+0003 = 045
he = 1 1/4 = 0.156+ 0.00/ = 0.1574
0.6 × 3 - 2 × 9.81 × 0 405 × 0.156 = 0.06399 = 66 C/S