



NOTES

1. CHARTS TO BE USED TO DETERMINE THE HYDRAULIC CAPTURE OF **BCC STANDARD TYPE 'A' GRATE ONLY** INSTALLED IN LIP-IN-LINE CONFIGURATION. REFER UMS 332 FOR GRATE DETAILS AND UMS 330 FOR GULLY DETAILS.
2. FOR APPROVED PROPRIETARY PRODUCTS, MANUFACTURER/SUPPLIER TO SUPPLY FULL HYDRAULIC DESIGN DETAILS AND CAPTURE CHARTS.
3. DATA BASED ON TESTING UNDERTAKEN AT URBAN WATER RESOURCES CENTRE, UNIVERSITY OF SOUTH AUSTRALIA FOR BRISBANE CITY COUNCIL, GOLD COAST CITY COUNCIL AND QUEENSLAND DEPARTMENT OF MAIN ROADS, MARCH 2001 AND NOVEMBER 2002. (NO EXTRAPOLATION BEYOND THE LIMITS OF THE CHARTS SHOULD BE UNDERTAKEN.)
4. CAPTURE BASED ON MAXIMUM CHAMBER WATER LEVEL:
 - 150mm BELOW CHANNEL INVERT LEVEL FOR $S_0 = 0.5$ TO 3%
 - 350mm BELOW CHANNEL INVERT LEVEL FOR $S_0 > 3\%$.
5. CAPTURE CHARTS REFER TO STANDARD LIP-IN-LINE GULLY WITH 125mm THROAT OPENING. REFER UMS 330, REVISION 'C' FOR DETAILS.
6. 10% BLOCKAGE APPLIED TO GRATE.

LEGEND

- XX%. KERB AND CHANNEL LONGITUDINAL SLOPE (S_0)
- BASED ON ACTUAL DATA
- EXTRAPOLATED DATA

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
C	Notes Modified, Notes 2&5 Added	DL 07/07	BH 08/07	BH 08/07
B	Drawing Re-issue	DL 01/03	CD 02/03	BH 02/03
A	ORIGINAL ISSUE	Oct '01	Oct '01	Oct '01

DESIGN AUTHORIZED FOR ISSUE B. BALL SIGNATURE ON ORIGINAL DATED 31/10/01				DESIGN	INFST MNGMT	DATE	Oct '01
MAN INFRASTRUCTURE MANAGE - R.P.E.Q.3.8.5.2				DRAWN	INFST MNGMT	DATE	Oct '01
DESIGN APPROVED B. HANSEN SIGNATURE ON ORIGINAL DATED 31/10/01				CHECKED	M. STEER	DATE	Oct '01
PRINCIPAL ASSET OFFICER ROADS & DRAINAGE				DRAWING FILENAME	/UMS 381		
				ASSOCIATED PLANS	UMS 330 (Revision 'C')		



BRISBANE CITY COUNCIL - URBAN MANAGEMENT DIVISION

**LIP IN LINE GULLY
HYDRAULIC CAPTURE CHARTS
TYPE 'E' KERB AND CHANNEL
ON GRADE, 4800mm LINTEL**

SCALE		NOT TO SCALE	
DWG No.		UMS 386	
ORIGINAL SIZE	A3	REVISION	C