



**TYPICAL SECTION OF BRACE
RETAINING SYSTEM**
SCALE = 1:20

MEMBER SCHEDULE				
RETAINING HEIGHT(H) (mm)	RETAINING WALL POST SPACING (mm)	STEEL POST SIZE	BORED PIER DIA (D) (mm)	BORED PIER DEPTH (L) (mm)
600	1000	50x50x3 SHS	300	700
900	1000	50x50x3 SHS	300	1000
1200	1000	65x65x3 SHS	300	1200
1500	1000	75x75x5 SHS	300	1500
1800	1000	75x75x6 SHS	300	1800

NOTE:
FACADE RETAINING SYSTEM P/L SHOULD BE CONTACTED FOR ANYTHING OUTSIDE THE CURRENT DESIGN PARAMETERS. THE WALL CAN BE DESIGNED TO CARRY SURCHARGE LOADS, BOUNDARY WALL OR FENCING & HEIGHTS OVER 1800mm.

LOADING CRITERIA AND ASSUMED GEOTECHNICAL PARAMETERS:

1. BACKFILL DRY DENSITY = 18 KN/m³
2. Ka = 0.238
3. $\phi = 38^\circ$
4. SURCHARGE LOAD = 2.5 KPa
5. Cu = 50 KPa

NOTE: THE BATTER SLOPE (ANGLE θ) AND ASSUMED GEOTECHNICAL PARAMETERS ARE TO BE CONFIRMED BY A QUALIFIED GEOTECHNICAL ENGINEER FOR EACH PARTICULAR SITE, PRIOR TO COMMENCEMENT OF WORK.

ISSUE	NOTES	DATE
A	ISSUED FOR CONSTRUCTION	28/02/05
B	RE-ISSUED FOR CONSTRUCTION	11/03/05
C	RE-ISSUED FOR CONSTRUCTION	11/04/05
D	RE-ISSUED FOR CONSTRUCTION	25/05/05
E	RE-ISSUED FOR CONSTRUCTION	02/06/05
F	RE-ISSUED FOR CONSTRUCTION	03/08/05
G	RE-ISSUED FOR CONSTRUCTION	19/09/05

MYD Consulting Engineers
Suite 1,
39 Terry Street
Roszelle, NSW 2039
Tel: 02 9810 4255
Fax: 02 9810 4277
Email: info@mydconsulting.com
www.mydconsulting.com

CMII Structural Stormwater

RETAINING SYSTEMS
UNIT 6
723 THE HORSELEY DRIVE
SMITHFIELD NSW 2164
Tel: (02) 9604 5754 Fax: (02) 9604 4415

PROJECT		CLIENT	
BRAACE RETAINING SYSTEM		NUMBER IN SET	JOB NO.
DRAWING TITLE TYPICAL SECTIONAL DETAIL OF BRAACE RETAINING SYSTEM		SCALE 1:20	SHEET NUMBER S-02
		DESIGN P.M	CHECK D.D
		DATE 03/08/05	ISSUE F