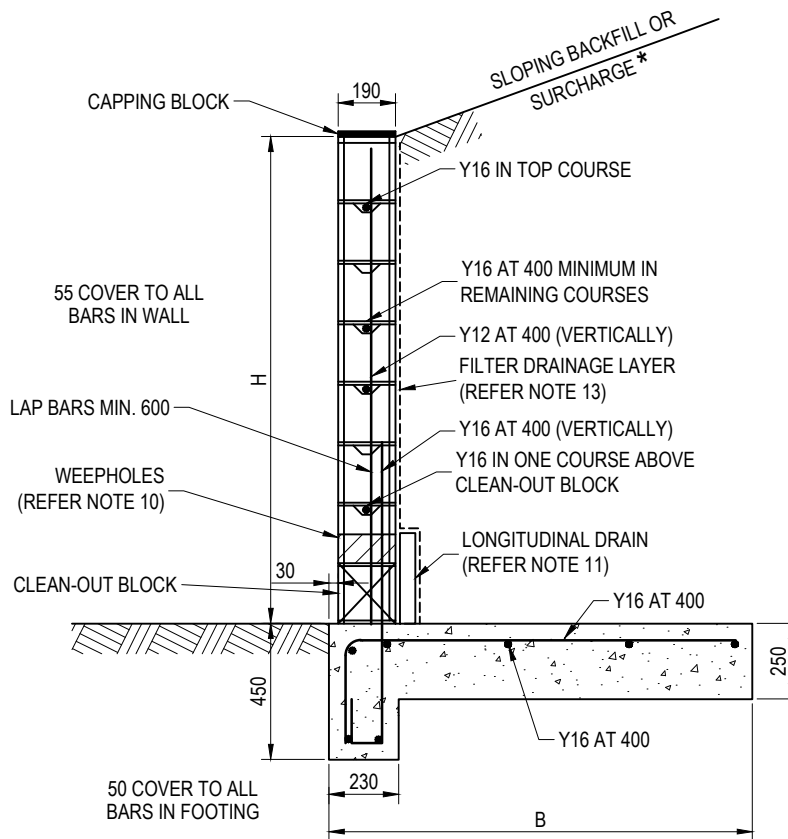


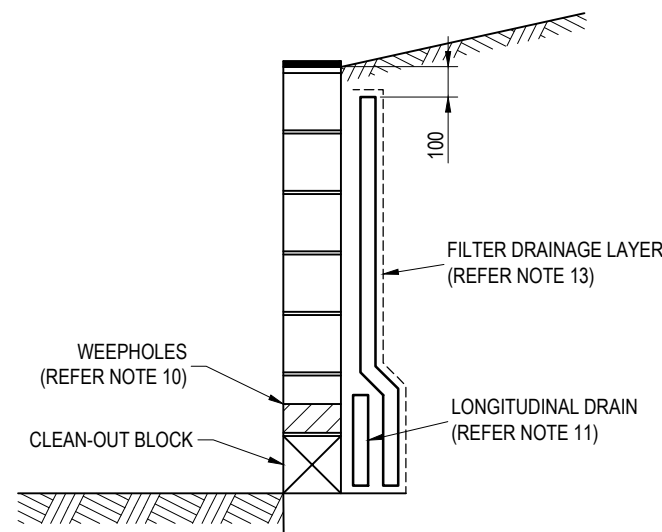
**0.8m, 1.0m, 1.2m HIGH
(150 SERIES BLOCK)**



**1.4m TO 1.8m HIGH
(200 SERIES BLOCK)**

FOOTING DIMENSIONS

WALL HEIGHT "H"	BASE WIDTH "B"		
	SLOPE OF BACKFILL *		
	LEVEL WITH NO SURCHARGE	LEVEL WITH 5kPa SURCHARGE	SLOPE UP TO 1 IN 4 WITH NO SURCHARGE
0 - 800	600	800	700
801 - 1000	700	900	800
1001 - 1200	800	1000	1000
1201 - 1400	900	1100	1200
1401 - 1600	1000	1200	1400
1601 - 1800	1100	1400	1600



DRAINAGE DETAIL

NOTES:

1. THE SPECIFIED DIMENSIONS ASSUME A MINIMUM ALLOWABLE BEARING CAPACITY OF 100 kPa IS AVAILABLE ON SITE. THE DESIGN DOES NOT ACCOMMODATE VEHICLE LOADINGS HENCE A VEHICLE ON THE UPHILL LEVEL SHALL BE NO CLOSER THAN 'H' FROM THE REAR CAPPING EDGE.
2. CONCRETE BLOCKS TO BE GRADE 15 (REFER AS4455).
3. MORTAR TO BE GRADE M3 (REFER AS3700).
4. CONCRETE FOOTINGS TO BE GRADE N25 (REFER AS1379).
5. GROUT TO BE GRADE N20 (REFER AS3700) WITH A SLUMP OF 230±30.
6. REINFORCEMENT TO BE GRADE 400Y DEFORMED BARS (REFER AS1302).
7. A GEOTECHNICAL ASSESMENT BY A SUITABLY QUALIFIED ENGINEER IS REQUIRED FOR ALL WALLS FOUNDED IN POOR MATERIALS (e.g. BEARING CAPACITY <100kPa).
8. MORTAR FIN PROTRUDING INTO CORES TO BE REMOVED BEFORE GROUTING.
9. ALL CORES SHALL BE FILLED WITH GROUT, WHETHER REINFORCED OR NOT.
10. INSTALL WEEPHOLES IN ADDITION TO THE LONGITUDINAL DRAIN FOR MAINTENANCE AND OVERFLOW PURPOSES. WEEPHOLES TO BE A VERTICAL JOINT VOID OF MORTAR ON THE LOWER HALF OF THE JOINT, SPACED AT 1000 MAX. CENTRES, AND POSITIONED AT A CONSTANT HEIGHT OF APPROXIMATELY 200 ABOVE ULTIMATE GROUND LEVEL.
11. LONGITUDINAL DRAIN SHALL BE 300x50 MEGAFLOW OR STRIP DRAIN OR 100 DIA CORRUGATED PERFORATED POLYETHYLENE PIPE, ENCASED WITH BCC TYPE 2 GEOFABRIC (BIDUM A29 OR EQUIVALENT). THE INVERT OF THE LONGITUDINAL DRAIN SHALL BE 200 BELOW THE INVERT OF THE WEEPHOLE INLET. THE LONGITUDINAL DRAIN SHALL OUTLET TO THE KERB AND CHANNEL, STORMWATER PIPE OR GULLY AT A MINIMUM SLOPE OF 1 IN 250 AND AT 25m INTERVALS. WHERE SUCH AN OUTLET IS NOT ACHIEVABLE, THE INVERTS OF THE LONGITUDINAL DRAIN AND THE WEEPHOLE INLET SHALL BE ALIGNED TO ALLOW DIRECT DISCHARGE VIA THE WEEPHOLE.
12. ALL CONNECTIONS, INCLUDING THE JOINING OF LENGTHS OF STRIP DRAIN, SHALL BE MADE USING STANDARD MANUFACTURERS FITTINGS.
13. FILTER DRAINAGE LAYER FOR FULL HEIGHT AND LENGTH OF WALL SHALL BE CORDRAIN OR EQUIVALENT WITH BCC TYPE 2 GEOFABRIC (BIDUM A29 OR EQUIVALENT) ADHERED TO ONE SIDE ABUTTING THE BACKFILL. ALTERNATIVELY, A 300 THICK FREE DRAINING, FILTER SAND/GRAVEL LAYER SEPARATED FROM THE INSITU MATERIAL BY TYPE 2 GEOFABRIC IS ACCEPTABLE.
14. BACKFILL SHALL BE FREE DRAINING, NON-PLASTIC PREDOMINANTLY GRANULAR MATERIAL WITH MINIMUM FRICTION ANGLES OF 38° AND 27° WHERE FOUNDING MATERIALS ARE SAND OR OTHER MATERIALS RESPECTIVELY. DO NOT PLACE BACKFILL BEHIND THE WALL UNTIL AT LEAST 10 DAYS AFTER WALL CONSTRUCTION AND GROUTING.
15. ALL COUNCIL RETAINING WALLS TO BE CONSTRUCTED IN THE ROAD RESERVE WHERE POSSIBLE. PRIVATE WALLS INCLUDING FOOTING TO BE CONTAINED WHOLLY WITHIN PRIVATE PROPERTY.
16. DIMENSIONS IN MILLIMETRES (UNO).

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
B	Note 7 Updated - Removed 'Building Regulation' Requirement	JAN '19	APR '19	APR '19
A	Drawing Converted from UMS Series April 2014	APR '14	APR '14	APR '14

DRAWING AUTHORISED FOR PUBLICATION B.BALL SIGNATURE ON ORIGINAL DATED 29/6/01 R.P.E.Q. 3 8 5 2				DESIGN	Std Dwgs WG	DATE	April '01
ASSET ENGINEERING MANAGER STRATEGIC ASSET MANAGEMENT				DRAWN	CP0 - P&D	DATE	April '01
DESIGN APPROVED B.HANSON SIGNATURE ON ORIGINAL DATED 27/6/01				CHECKED	M.STEER	DATE	May '01
PRINCIPAL ASSET OFFICER ROADS & DRAINAGE				DRAWING FILENAME	BSD-2222 (B) Retaining Wall - Concrete block - Type 1 footing.dwg		
				ASSOCIATED PLANS	SUPERSEDES UMS-412		



BRISBANE CITY COUNCIL STANDARD DRAWING	
SCALE NOT TO SCALE	
DWG No. BSD-2222	
ORIGINAL SIZE A3	REVISION B