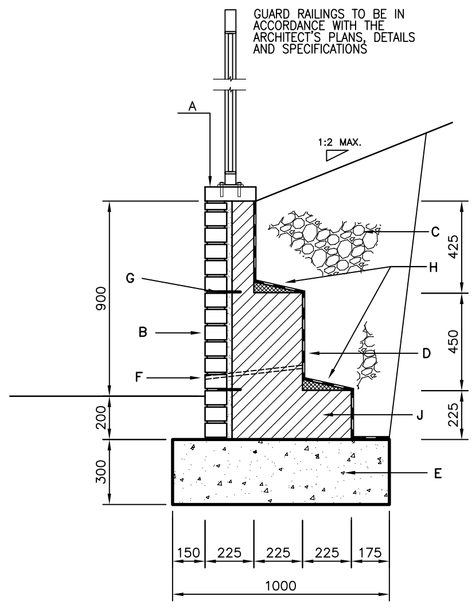
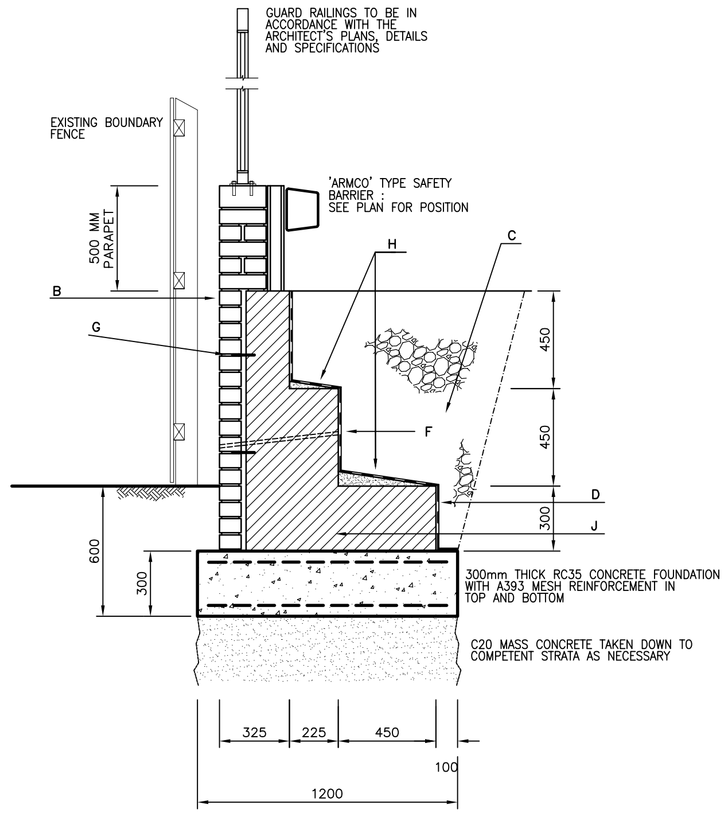


1200 RETAINING WALL

RETAINS UP TO 1200mm

RETAINING WALL DETAIL TO FRONT OF FLATS



900 RETAINING WALL

RETAINS UP TO 1200mm

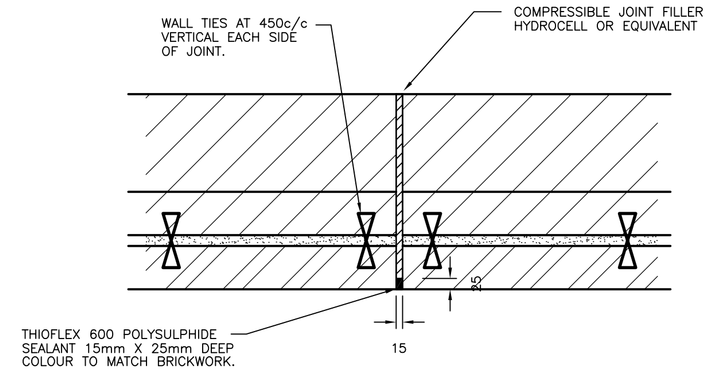
RETAINING WALL DETAIL TO REAR OF CAR PARKING AREA

THE VALE OF GLAMORGAN COUNCIL

TOWN AND COUNTRY PLANNING ACT 1990

APPROVED

SUBJECT TO COMPLIANCE WITH CONDITIONS (IF ANY)



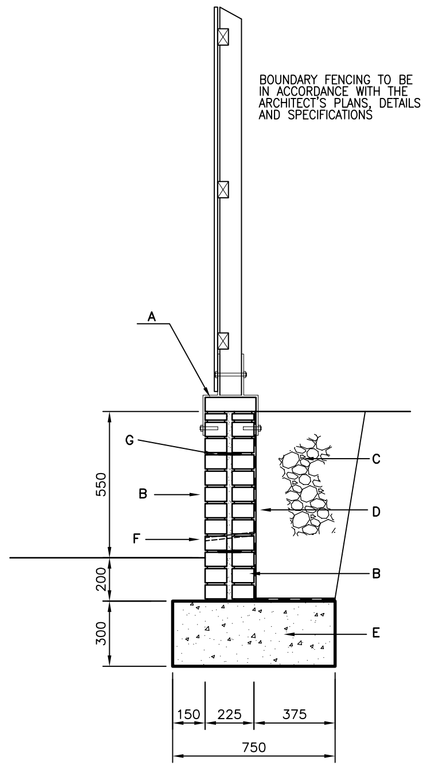
TYPICAL MOVEMENT JOINT DETAIL

RETAINING WALL ON PLAN

MAXIMUM JOINT SPACING 6.0m

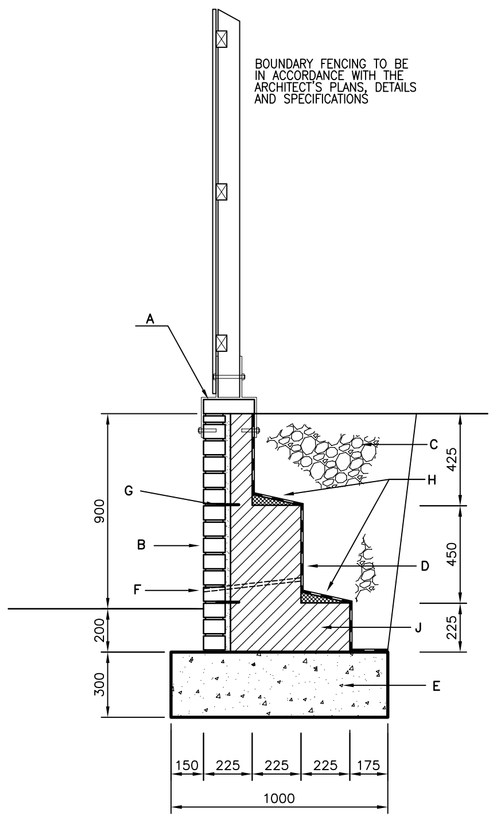
NOTES

1. **This drawing is copyright.**
2. **All dimensions are to be checked prior to construction or manufacture. Any discrepancy to be reported to the Engineers immediately.**
3. **Do not scale this drawing, work to figured dimensions only.**
4. **Foundations for all retaining walls are to be founded in strata to provide a minimum 150KN/m² safe bearing pressure. Remove any soft spots or unsuitable material beneath foundations and replace with mass concrete. The engineer is to be to be consulted for advice on the founding strata if in doubt.**
5. **Blockwork or brickwork mortar to be cured for a minimum of 5 days prior to any backfilling.**
6. **Backfilling should be undertaken carefully after this period, materials being laid in maximum 250mm layers and lightly compacted.**



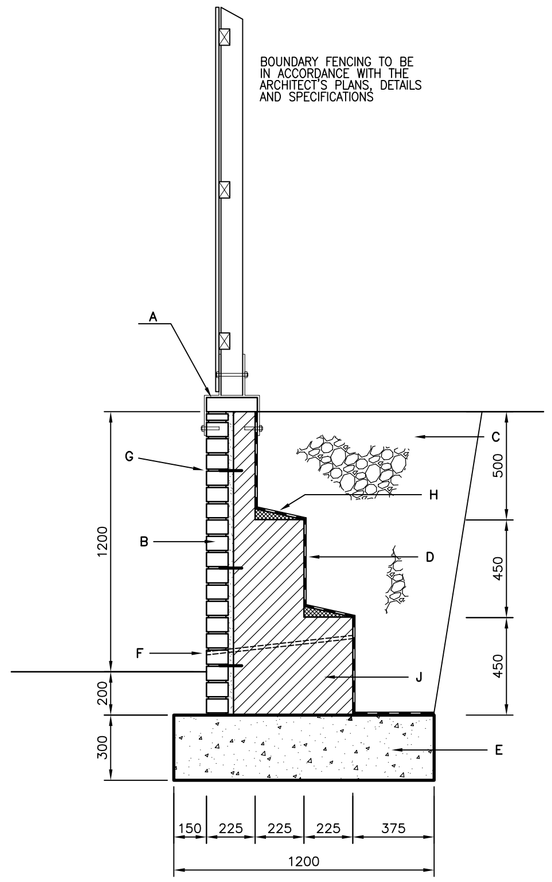
550 RETAINING WALL

RETAINS UP TO 550mm



900 RETAINING WALL

RETAINS UP TO 900mm



1200 RETAINING WALL

RETAINS UP TO 1200mm

RETAINING WALL DETAILS TO REAR OF HOUSES

KEY

A	BRICK ON EDGE COPING.
B	BRICKWORK TO BE CLASS FL, WATER ABSORPTION 7–12% (maximum) AND MINIMUM COMPRESSIVE STRENGTH OF 35 N/mm².
C	SINGLE SIZED CLEAN STONE (nominal 40mm).
D	1200 GAUGE VISQUEEN WITH 300mm LAPS. CUT VISQUEEN AROUND WEEP HOLES.
E	GRADE C20 CONCRETE FOUNDATION.
F	50mm UPVC WEEP HOLES AT 1.20m CENTRES.
G	STAINLESS STEEL WALL TIES AT 450mm CENTRES HORIZONTAL AND VERTICAL.
H	MORTAR FILLET.
J	DENSE CONCRETE BLOCK WORK 7 N/mm² STRENGTH BONDED INTO BRICKWORK.

MOVEMENT JOINTS TO BE PROVIDED AT 6.0m MAXIMUM CENTRES.
MORTAR TO BE CEMENT/SAND MORTAR (1:3).
ALL FACING BRICKWORK TO HAVE WEATHER STRUCK POINTING.

NB : GRANULAR BACKFILL (CLASS 1A, 1B OR 1C)

MATERIALS TO BACK OF RETAINING WALLS TO BE CAREFULLY PLACED AND COMPACTED.
NO SITE TRAFFIC TO TRAVERSE BEHIND COMPLETED WALLS UNLESS CONSTRUCTED TP HIGHWAY SPECIFICATION.

REVISIONS	REV	DATE	BY

SMART ASSOCIATES
Consulting Civil & Structural Engineers
124 Cathedral Road TEL: 029 20394128
Cardiff 029 20397797
CF11 9LQ FAX: 029 20223145
Email address: smartassociates@dsl.pipex.com

Project Title

PROPOSED DEVELOPMENT AT MARINERS WAY RHOOSE

Drawing Title

TYPICAL RETAINING WALL DETAILS

Scales	1:209 @ A1		
Drawn	ADV	Checked	Date 07 AUG 2014
Client	HENDRE HOUSING ASSOCIATION		
Architect	ARDEN KITT ARCHITECTS		

Drawing Number: s.7365–06

REV