

# REINFORCED HOLLOW BLOCK WALL SPECIFICATION :

REINFORCEMENT SHOULD BE PLACED CENTRALLY IN EACH BLOCK (2No. PER BLOCK) .

'CLEAN OUT POCKETS' SHALL BE LEFT AT THE BOTTOM OF THE FRONT FACE TO REMOVE MORTAR DROPPINGS PRIOR TO FILLING THE VOIDS.

VOIDS SHALL BE FILLED WITH CONCRETE IN MAXIMUM 900mm LIFTS.

CONCRETE MIX TO BE C30 (1:3:2 ~ CEMENT: SAND:10mm MAX. AGGREGATE) MINIMUM CEMENT CONTENT 340kg/m<sup>2</sup>. SLUMP TO BE BETWEEN 100 AND 175mm.

CONCRETE SHALL BE WELL PUNNED BUT NOT VIBRATED.

WALL STRENGTHS :  
HOLLOW BLOCKS TO BE 7.3N/mm<sup>2</sup> MIN.

ALL MORTAR TO BE 1:½:4

# CONSTRUCTION

PEDESTRIAN BALUSTRADE TO BE DESIGNED FOR A LINE LOAD OF 1.5kN/M RUN MIN. FINISH TO BE GALVANISED & OVER-PAINTED IF REQUIRED. (KEY-CLAMP OR SIMILAR STANDARD HIGHWAY STYLE) WALL TO BE RESIN GROUTED INTO POCKETS IN THE CONCRETE CAVITY TO A MIN. DEPTH OF 300mm.

BRICK ON EDGE COPING WITH END COPINGS TO HAVE GALVANISED END CRAMPS BUILT IN.

MIN. 215mm 10.4N DENSE HOLLOW CORE BLOCKWORK IN CLASS (ii) MORTAR. FACING BRICK TO MATCH THOSE OF THE DEVELOPMENT TO BE MIN. 20N IN CLASS (ii) MORTAR TIED WITH ANCON ST1 WALL TIES AT 450 x 450 HORIZONTAL AND VERTICAL CENTRES.

75mm DIA WEEP HOLE AT 1m CENTRES

THIS SIDE OF WALL & ANY SURFACE BELOW GROUND TO BE PAINTED WITH A MCHW COMPLIANT WATERPROOF COATING WITH 3mm HYLOAD PROTECTION BOARD PLACED AFTER PAINTING.

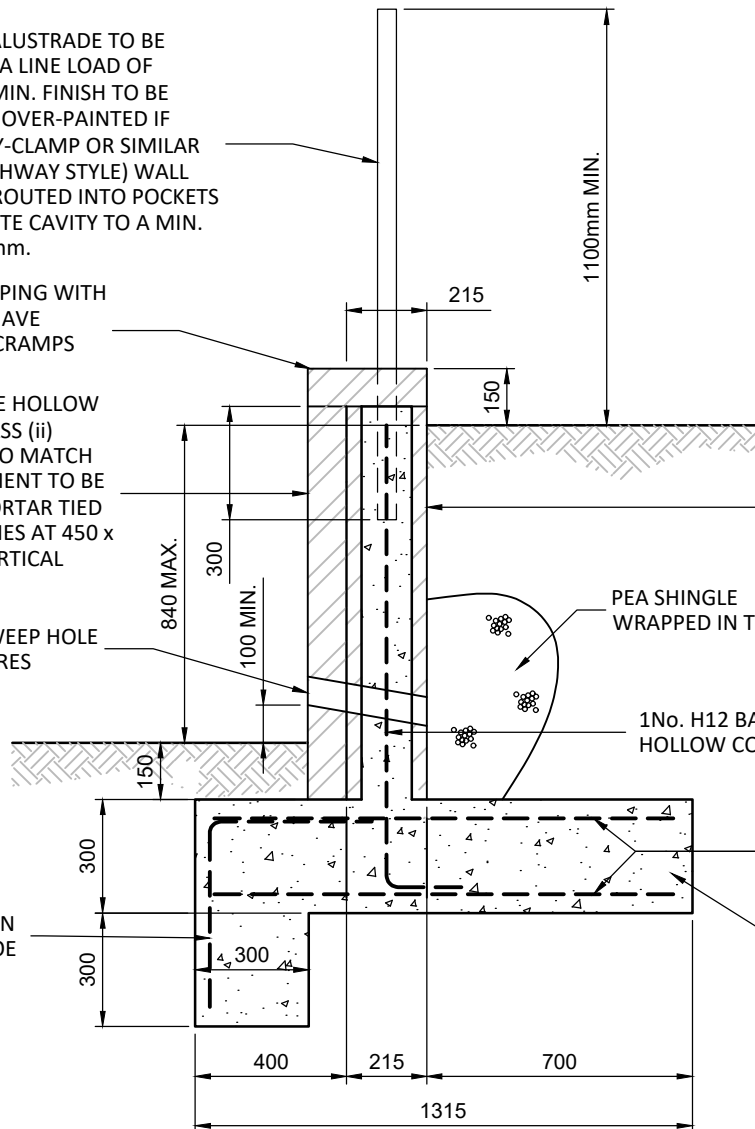
PEA SHINGLE WRAPPED IN TERRAM.

1No. H12 BAR IN EACH HOLLOW CORE POCKET.

A393 MESH TOP AND BOTTOM (50MM COVER)

C35 CONCRETE FOUNDATION

A393 MESH IN FRONT OF TOE



## RETAINING WALL - (HOLLOW BLOCK)

Max. Height 840mm

Scale 1:20

(Note: All dimensions in millimeters)

|     |          |                                     |      |     |
|-----|----------|-------------------------------------|------|-----|
| C3  | 28.06.21 | WEEP HOLES UPDATED                  | GW   | LG  |
| C2  | 27.06.21 | UPDATED TO HIGHWAY                  | GW   | LG  |
| C1  | 24.06.21 | COMMENTS<br>ISSUED FOR CONSTRUCTION | GW   | LG  |
| Rev | Date     | Revisions                           | Drwn | Chk |



STRUCTURAL AND CIVIL ENGINEERS

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Drawing Title:

HIGHWAY RETAINING WALL  
HOLLOW BLOCK WALL

Project:

CANADA ROAD, ARUNDEL

Client:

BRIGHT PLAN CIVILS

Scale:

1:20

Date:

JUNE 2021

Drawn:

GW

Checked:

LG

Drawing No:

WG1365 / 01

Rev:

C3