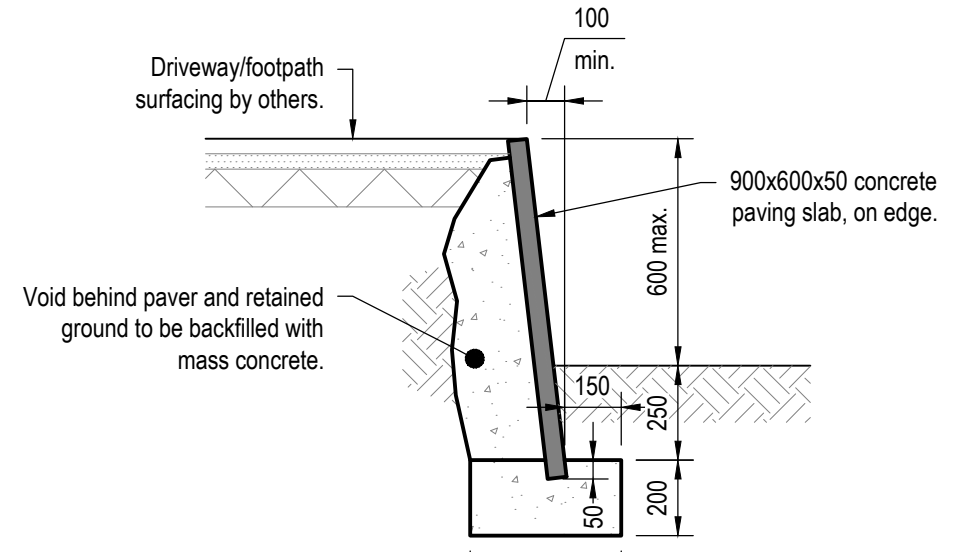


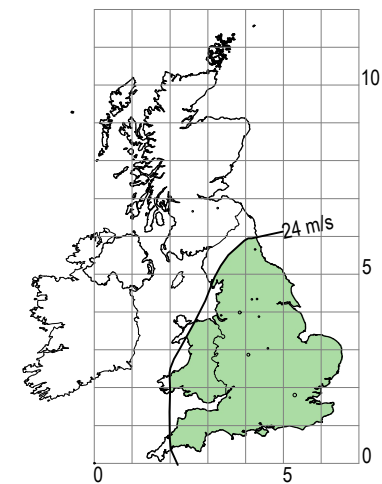
**TYPICAL SECTION  
WITH FENCE/GUARDRAIL**

SCALE 1:20



**TYPICAL SECTION  
WITHOUT FENCE/GUARDRAIL**

SCALE 1:20



**UK BASIC WINDSPEED  
MAP**

INFORMATION WITHIN THIS DRAWING IS NOT NECESSARILY PRODUCED TO SCALE. ALWAYS USE FIGURED DIMENSIONS AND CO-ORDINATES - IF IN DOUBT, ASK.

**NOTES**

1. This drawing is to be read in conjunction with all relevant external works and foundation layouts.

**CONCRETE NOTES**

- 2. Concrete to comply with the National Structural Concrete Specification for Building Construction 4th Edition (NSCS) generally. Project specific elements are highlighted below.
- 3. Concrete to be designated mix FND2 to BS 8500-2 (see note 6).

**FORMATION NOTES**

- 4. The blinding for the structure should be cast on competent natural ground, described as having an allowable bearing pressure of at least 50 kN/m<sup>2</sup>.
- 5. Where competent ground is not encountered at the proposed formation level, the ground should be replaced with well compacted selected granular fill or mass concrete down to competent ground.
- 6. The Aggressive Chemical Environment for Concrete assumed is DS-2 AC-2. For more onerous soil conditions, Eastwood and Partners should be consulted.

**THE WALLS SHOWN ARE ONLY TO BE USED ON SITE WHERE THE FOLLOWING DESIGN CRITERIA APPLY.**

- A. The wall has been designed to resist a maximum surcharge of 2.5 kN/m<sup>2</sup> (i.e. garden or domestic driveway loading). For more onerous loading, e.g. heavy vehicle or highway surcharge, Eastwood and Partners should be consulted.
- B. In combination with the surcharge, the wall is designed to support a 1.80m high fence with a wind load of 1.0 kN/m<sup>2</sup> (peak wind velocity: 32 m/s), which relates to the following criteria:
  - a. Sites with a basic wind speed of 24 m/s or less (most of England and Wales).
  - b. Sites with a mean altitude of 150m or less.
  - c. Site 2.5km or more from the shore.
  - d. Sites on the edge or within a town (surrounded by vegetation or buildings).
  - e. Sites away from the crests of hills, cliffs and escarpments.
 If any of the above are not satisfied, Eastwood and Partners should be consulted.
- C. The natural ground is to have a minimum allowable bearing pressure of 50 kN/m<sup>2</sup>. Where walls are to be constructed on softer ground than assumed - Eastwood and Partners should be consulted.
- D. This design will not be applicable in the vicinity of trees, on steeply sloping sites, on sites affected by mining subsidence or where ground strength reduces with depth.

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**CHARTFORD DEVELOPMENTS LIMITED**

**STANDARD DETAILS**

**FLAG ON EDGE RETAINING WALL DETAIL**

A	First Issue.			
REV	DESCRIPTION	SIG	CHK	DATE
SCALE WHEN PLOTTED AT A3		DRAWING STATUS		
1:20		<b>CONSTRUCTION</b>		
DRAWN	CHECKED	DATE	DRAWING NUMBER	REV
RJ	CH	20.07.22	46783/002	A