

## CHALFONT ST PETER PARISH COUNCIL BRIDGE & BOARDWALK



Tenders are invited for the design, supply and installation of a 1.2m wide recycled plastic 6m long pedestrian bridge and 63lin m boardwalk together with foundations, handrails and all necessary fittings and fixings. Tenderers are welcome to propose alternatives to the following specification based on their own expertise and experience but must describe any variation from it.

### Specification

**Design Load:** The bridge and boardwalk shall be designed for a live pedestrian load not less than 4kn/m<sup>2</sup>.

**Material:** The bridge and boardwalk shall be fabricated from recycled plastic components. The colour shall be uniform black or dark grey. Metal fixings shall be galvanised or stainless steel.

**Bridge Access:** On the west side, access to the bridge shall be via a short ramp from road level approx. 1.8 m wide with slope not exceeding 1 in 12 surfaced with bound gravel.

**Bridge Foundations:** It is envisaged that the bridge foundations will comprise lightly reinforced insitu concrete beams cast on top of 2No 200mm diameter recycled plastic piles 3m long but tenderers should describe their own proposals and note that design responsibility for fitness for purpose will rest with the contractor. The west side foundation shall be higher than the east by 0.5m providing a 1:12 fall across the bridge. **Boardwalk Foundations** shall be recycled plastic posts suitably bedded into the ground. **Bridge & Boardwalk** shall be 1.2m wide. There shall be a 4.5m long x 1.2m wide passing platform at midpoint of the boardwalk. There shall be 1.2m wide ramps from boardwalk to ground with slope not exceeding 1 in 12 on either side at 7.5m from the east bridge abutment.

The bridge and first section of the boardwalk only – i.e. 7.5m to the ramps - shall have double handrail.

Kickboards should not be provided but bridge and boardwalk shall have wheelchair edge guides on both sides.

**Layout** of the bridge and boardwalk is indicated on the attached 2 sketches but subject to final agreement.

Chalfont St Peter Parish Council  
Bridge & Boardwalk (Plan)

Chalfont St Peter  
Tennis Club

Ramps to  
ground

Passing place

Bound gravel  
access ramp

6m bridge

63m Boardwalk

Fairweather Insurance  
Services Limited

Gravel Hill

G Gravel Hill Tyres  
Tyre Shop

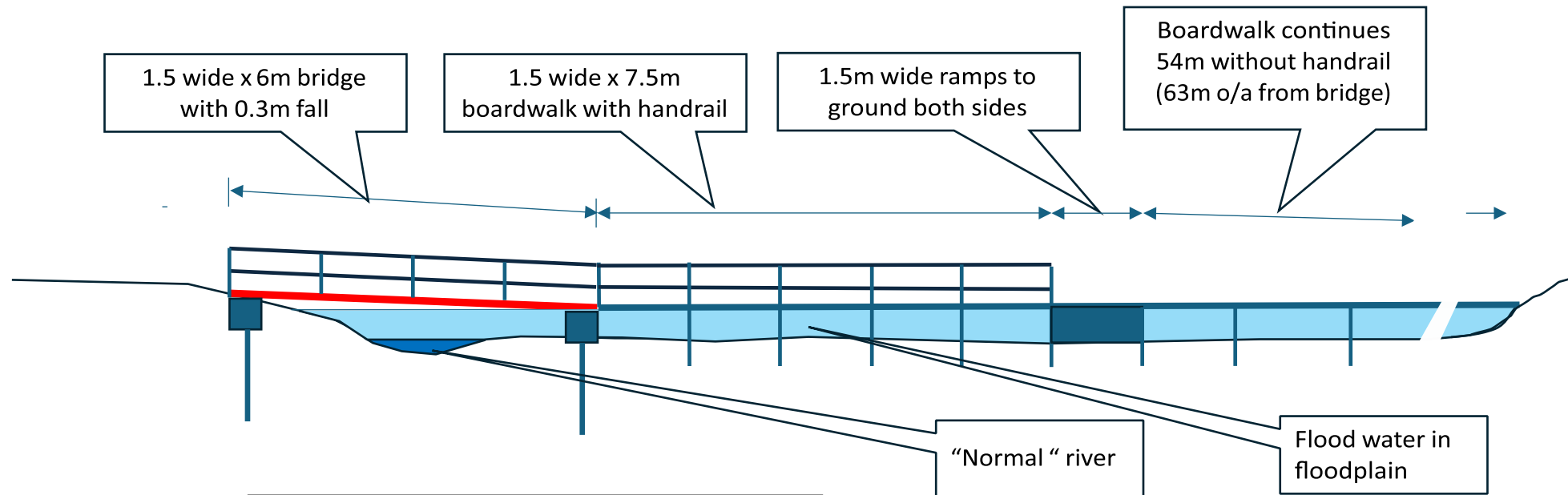
Esso

Rob

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Chalfont St Peter Parish Council  
Bridge & Boardwalk (Long Section)



The following are a good first approximation but will be subject to detail survey when water levels subside:

Road level on west side approx.	62.65 AOD
Top west pier	62.40 AOD
Top east pier	61.85 AOD
Underside boardwalk	61.85 AOD
Ground under main boardwalk	61.25 -61.5
Extreme flood level	61.80 AOD
Typical river level approx. <=	61.25 AOD