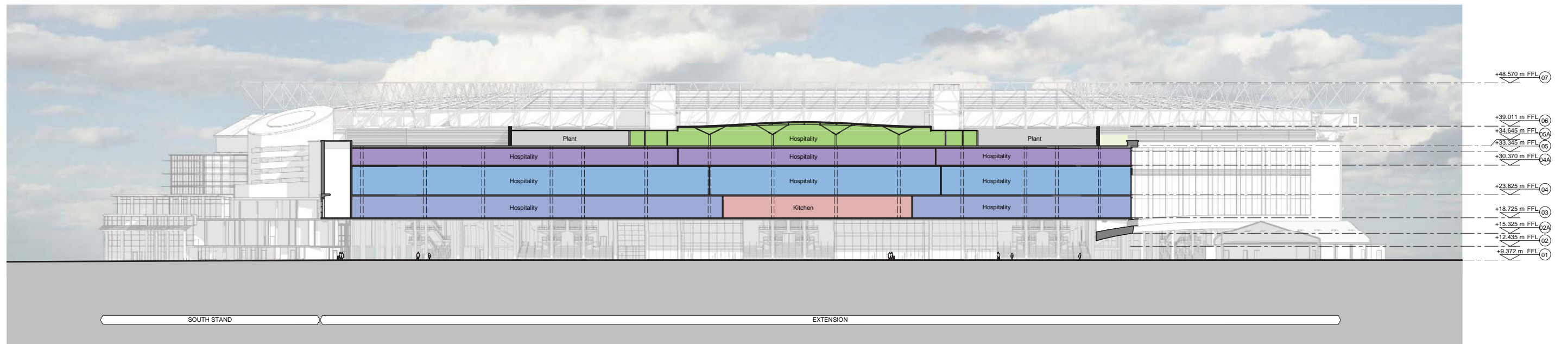


Cross section east-west showing the new massing on the east side of the stadium



Long section north-south showing the new massing on the east side of the stadium

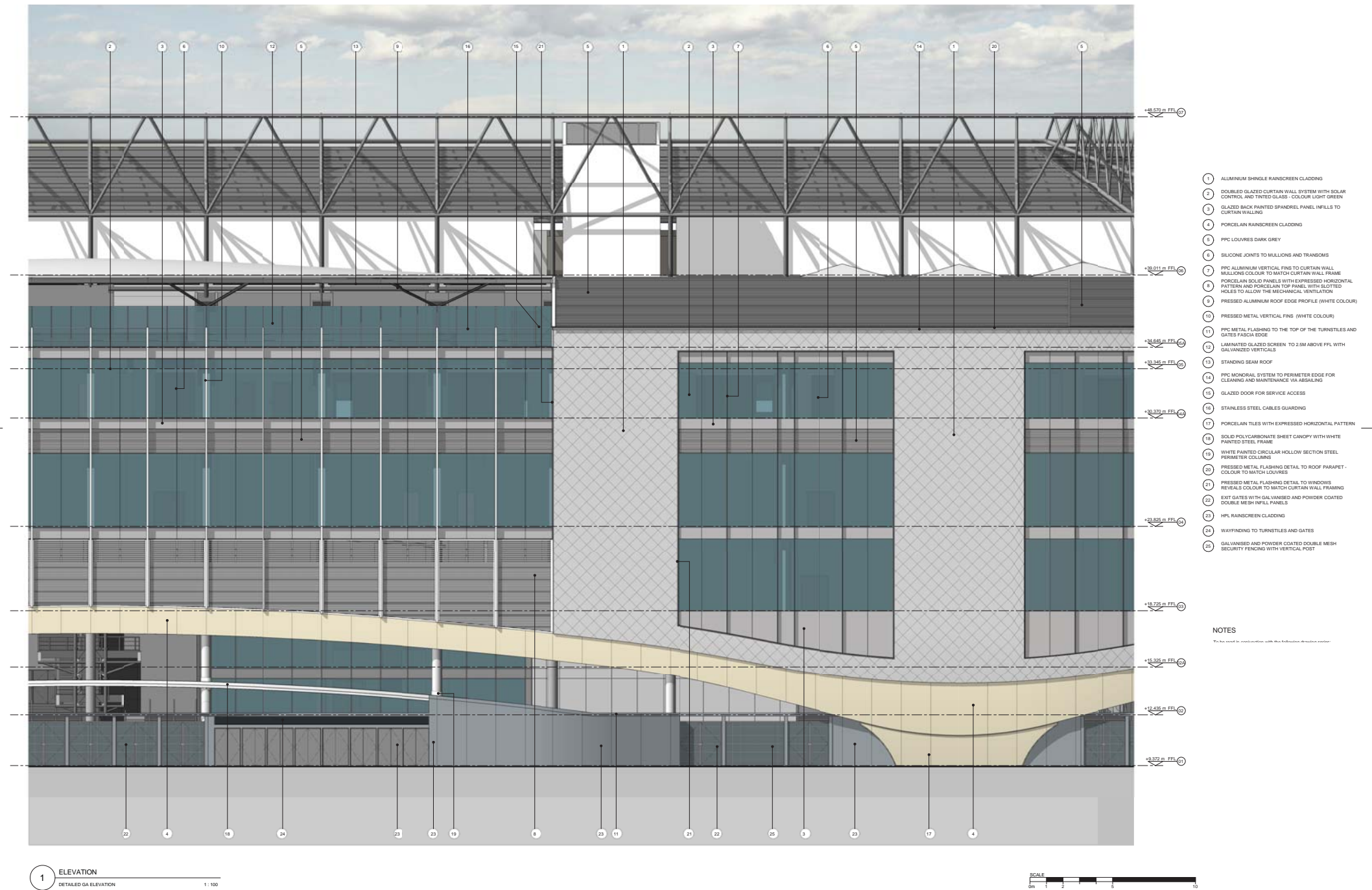


# 4.3 Appearance and materials

## Appearance

The south stand of Twickenham stadium is a combination of stone cladding and curtain wall glazing with some solid infill panels within the façade system. The new extension to the east stand is sympathetic to this context and has been designed to complement it's visual aspect in both materials and tone. A mix of light porcelain rainscreen panelling and grey framed glazing has been used to create the east stand façade whilst the composition and scale is in keeping with the stadium.

The following images highlight the appearance and scale of the proposed extension.



Part elevation key to materials palette



## Materials

The extended slabs are clad in materials sympathetic to the south stand, utilising a combination of curtain wall glazing coloured as the south stand, porcelain rain screen cladding with a base of porcelain tiles and aluminium shingle rainscreen cladding.

Back painted spandrel panels form the glazed sections in front of floor slabs and services zones and continue the main glazed appearance down the façade.

Dark grey PPC louvres enclose roof plant either side of a glazed screen to the open roof terrace which is covered with a standing seam roof.

The lower perimeter fence which incorporates gates for post-match egress and the turnstiles between is galvanised and powder coated double mesh security fencing.

The central section of façade is a mix of double glazed curtain walling with tinted glass. Solar control is by means of pressed metal vertical fins. Within this build up are integrated louvres at mid and low level to allow for air intake and extract to service the accommodation within.

To the central zone above the fence and turnstiles is a glass canopy within a white painted steel frame.

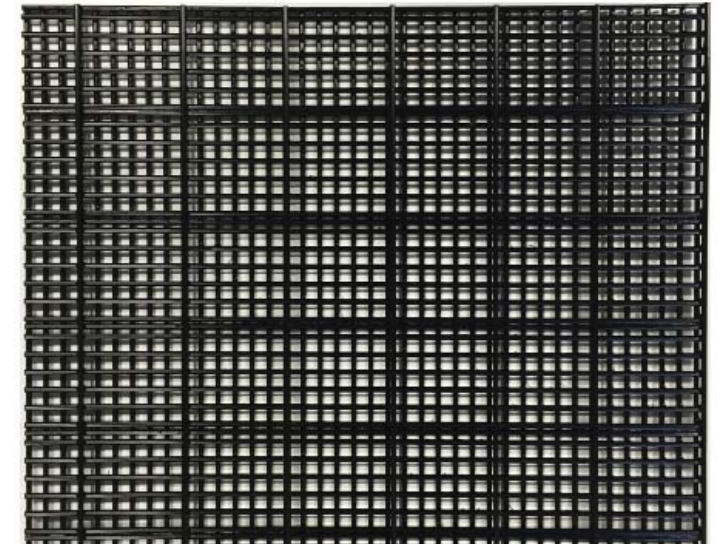
The main lower level columns are white painted circular hollow section steel columns.



Typical glazing panel (no patternation)



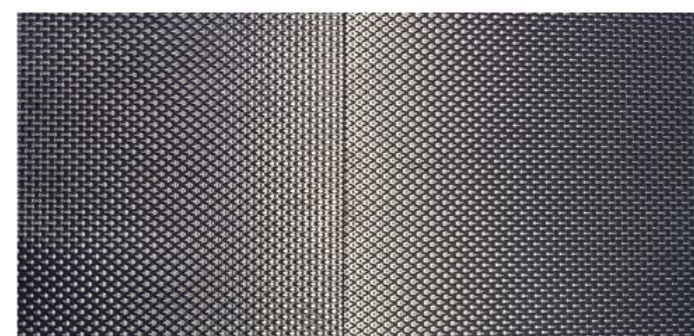
Typical glazing tone



Typical fence double mesh detail



Typical glazing panel (no patternation)



Typical shingle panel



Typical porcelain panel



View from south without people



View from south with people



For purposes of the visualisation only, the vegetation/soft landscaping on the east side of Rugby Road has not been shown on this image, in order to illustrate the facade. This is for illustrative purposes only; for the avoidance of doubt existing landscaping/vegetation on the eastern side of Rugby Road will be retained.



View from north without people



For purposes of the visualisation only, the vegetation/soft landscaping on the east side of Rugby Road has not been shown on this image, in order to illustrate the facade. This is for illustrative purposes only; for the avoidance of doubt existing landscaping/vegetation on the eastern side of Rugby Road will be retained.



View from north with people





The following image illustrates the Twickenham Stadium East Stand extension with the existing workshop located to the north of the extension removed. Although removal of the workshop building does not form part of the current planning application, the image shows the architecture of the extension behind the workshop. At this stage the boundary treatment in the place of the workshop is also indicative only.

The form to the north is raised off the ground in anticipation of any potential future expansion that may arise but also essentially to allow free flow for spectators at ground floor level to move freely and safely in and out of the bowl area unhindered. This free movement is essential in the safe running of the stadium.

The western elevation of the proposed east stand extension is largely formed of louvres which form part of the ventilation strategy for the proposed extension. Through pre-application meetings with London Borough of Richmond planners, the question was posed on the ability for the proposed development to accommodate potential longer term expansion of stadium facilities around the existing bowl. Although similarly not part of the application, the proposals would not preclude future expansion, the extract from the kitchens at levels 4 and 4A and air extract from L3 space could be relatively simply routed to new roof plant on a future north stand extension, or alternatively incorporated into a louvre zone forming part of the architectural design of a new North Stand development, should one be brought forwards in the future.



This image illustrates the appearance of the east stand without the existing groundskeepers shed. This is for illustrative purposes only, to show the appearance of the east stand should the shed be removed in the future.



Contextual view from north



PROPOSED



EXISTING



KEY PLAN

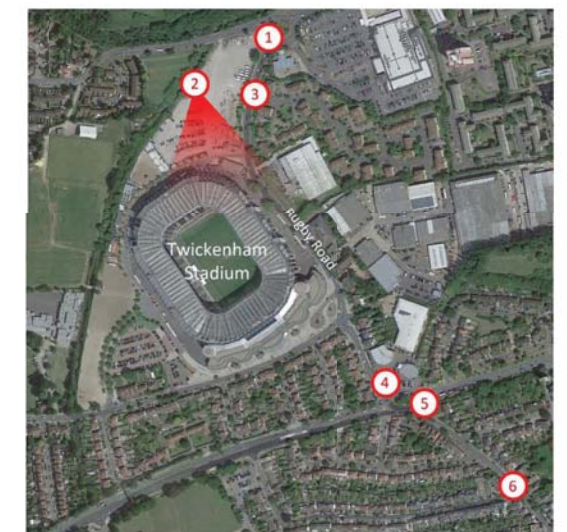
View point looking south from Rugby Road - view 1



PROPOSED



EXISTING



KEY PLAN

View point from the north from the car park - view 2



## 4.4 Townscape and key views

The majority of people arriving at Twickenham Stadium arrive from Twickenham station to the south, along Whitton Road, across the A316 and arriving at the south east corner of the stadium site. Glimpses of the stadium start to appear mid-way through this journey and this is when small sections of the proposed extension will be visible. The other two routes of approach are from the west along Whitton Road and from the north along Rugby Road. There will be no visual impacts from the proposed east stand extension on any views when approaching from the west. The other two approaches will have variations in the streetscape from what exists today. These two key approaches have been modelled to compare the existing scenario with the proposed as seen below.

Because of the angle of Whitton Road the overall impact of the new extension is considered to be minimal. The new façade creates a continuation of the south stand wrap heading north and is kept within the existing heights and scale of the stadium; more in keeping with the south stand.



PROPOSED



EXISTING

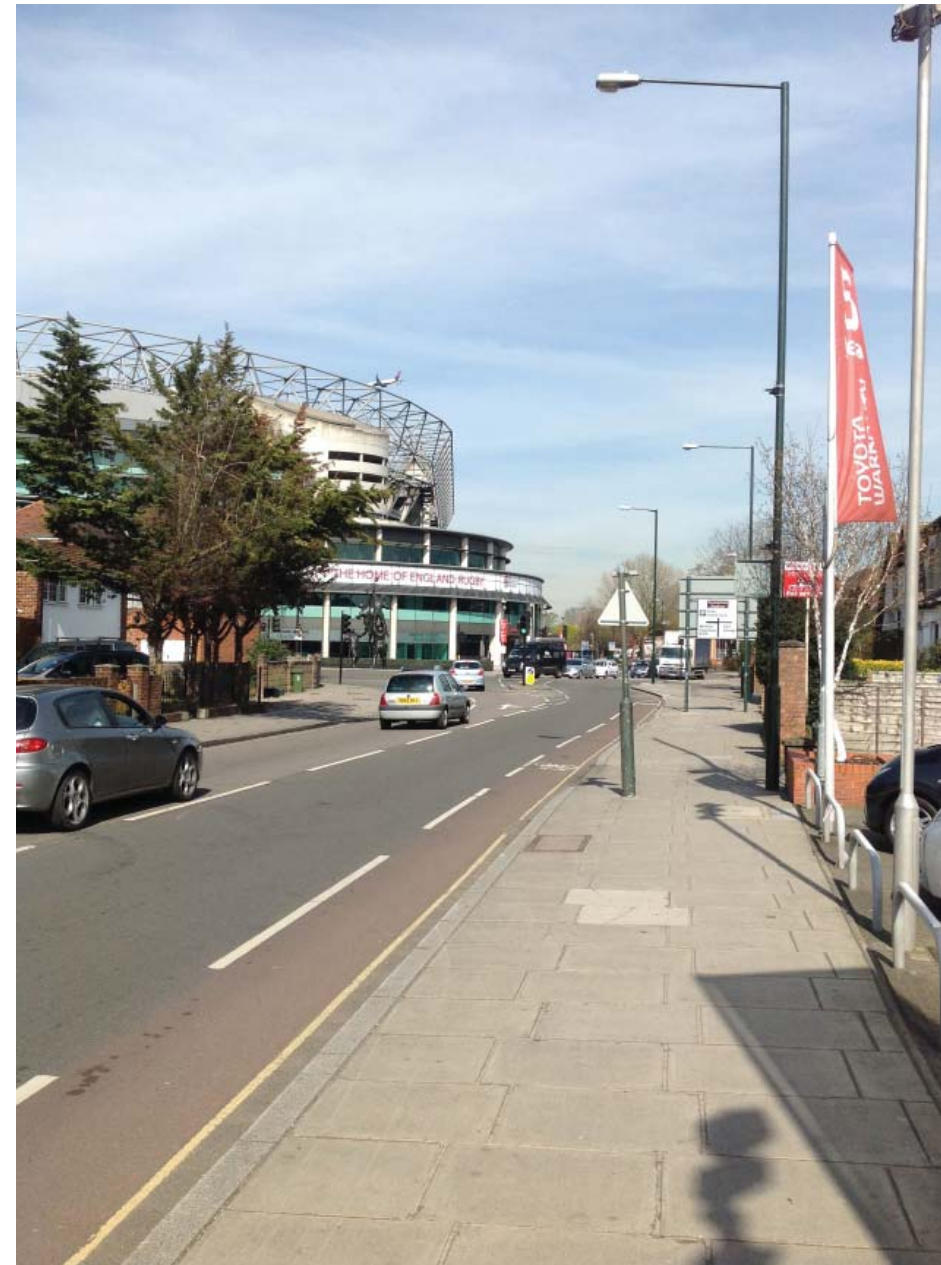


KEY PLAN

View point north from Rugby Road - view 3



PROPOSED



EXISTING



KEY PLAN

View point south from Whitton Road - view 4



PROPOSED



EXISTING



KEY PLAN

View point south from the A316 - view 5