

TECHNICAL NOTE

Job Name: Green Park Station
Job No: 36382-2011
Note No: 36382-2011-TN003 Rev 2
Date: 31st January 2023
Prepared By: Shaun Hermon
Subject: Surface Materials to be Used at the Transport Interchange

Item	Subject
1.	Introduction Stantec, formally Peter Brett Associates, have been commissioned by Reading Borough Council (RBC) to complete a detailed design of Green Park Transport Interchange (station to be designed by others). This Technical Note addresses Planning Condition 3 written in full below, from the Planning Permission (reference: 141944). <i>No development shall take place on any phase or part of the development until details of the materials (including performance and maintenance requirements) to be used in the construction of external surfaces of that phase or part of the development have been submitted to and approved in writing by the local planning authority. The development of that phase or part of the development shall be carried out in accordance with the approved details and the approved maintenance regime.</i> Proposed external surface materials included in the design are: • Paved Footways Primary Route - Tobermore Sienna grey paving • Asphalt Footways – Asphalt Concrete AC6 close surf 40/60. • Carriageway - Hot Rolled Asphalt (HRA) 55/10 40/60 Surface course • Car parks – Asphalt Concrete AC10 Surface course • Conservation kerbs for the interchange • PCC concrete kerbs for the car parks • Trief kerbs have been specified in particular areas within the southern car park where containment is deemed necessary. Landscaping proposals and the associated maintenance regime are included within the Landscaping design (submitted to discharge Planning Condition 4) and within the Landscape and Ecology Management Plan (submitted to discharge Planning Condition 9).
2.	Paved Footways Tobermore Sienna paving slabs (Colour: Grey - custom colour from St Edwards Homes; size: 208X173X50mm) are to be used for the footways in staggered bond. They will then have Resiblock 22AF stabilising agent applied. These have been used to provide consistency between this development and the surrounding development by St Edwards Homes. Performance and Maintenance Requirements are: • Manufactured for high-volume use pedestrian areas. They can also withstand occasional vehicle overrun. • Classified as having an extremely low potential for slip. • Service life of 20 to 30 years

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	See Appendix A for manufacturers details.
3.	Asphalt Footways 20mm thick asphalt concrete AC6 close surf 40/60 surface course will be used for all the asphalt footways. This material is commonly used nationwide for footways. Asphalt footways are used for the secondary pedestrian routes to encourage the use of the primary routes first. Performance and Maintenance Requirements are: • Commonly used so damaged surfacing or trenching works can be repaired in line with RBC's current maintenance regime/ by utility providers. • 15 to 20 year service life.
4.	Asphalt Carriageway 40mm thick Hot Rolled Asphalt (HRA) 55/10 40/60 Surface course will be used on all carriageways. This is commonly used elsewhere in Reading (and the UK). Performance and Maintenance Requirements are: • Commonly used so pot holes or trenching works can be repaired in line with RBC's current maintenance regime/ by utility providers. • 15 to 20 year service life
5.	Asphalt Car parks 40mm thick asphalt concrete AC10 surface course will be used within both car parks. This is the standard material for carparks and is used nationwide for this purpose. Performance and Maintenance Requirements are: • Commonly used so pot holes or trenching works can be repaired in line with RBC's current maintenance regime/ by utility providers. • Service life is anticipated to be similar to the asphalt carriageway, with a 15 to 20 year service life.
6.	Conservation Kerbs Conservation kerbs (145 x 255 x varying lengths) have been proposed to allow continuity with the access road from Longwater Avenue through to the station. Performance and Maintenance Requirements are: • up to 48.3% recycled material in the production process • Kerbs to conform to British Standard 7263
7.	PCC Concrete Kerbs PCC concrete HB2 kerbs (125 x 250 x varying lengths) have been proposed for both of the car parks. These have been proposed as they are durable, economical and is the current standard in Reading. Performance and Maintenance Requirements are: • Low potential for slip • Durable • Kerbs to conform to BS EN 1340:2003

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8.	Trief Kerbs (235mm upstand) PCC trief kerbs with a 235mm upstand have been specified in the southern car park in locations where containment is required (around the central street lighting columns and between the footway and carriageway on the western side of the car park). Safety containment kerbs are designed to contain and re-direct stray vehicles safely. Performance and Maintenance Requirements are: • Durable • Kerbs to conform to BS EN 1340:2003
9.	Conclusion External Surface Materials included in the design are: • Footways - Tobermore Sienna paving slabs and Asphalt Concrete AC6 surface course (for secondary routes). • Carriageway - Hot Rolled Asphalt (HRA) 55/10 40/60 Surface course • Car Park surface course – Asphalt Concrete AC10 • Conservation kerbs around the Interchange • PCC concrete HB2 kerbs for the car parks. • Trief kerbs have been used in specific locations in the southern car park. RBC to approve use of the materials outlined above.

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Appendix A

DOCUMENT ISSUE RECORD

Technical Note No	Rev	Date	Prepared	Checked	Approved (Discipline Lead)
36382-2011-TN003	-	27.10.22	SH		

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