**APPENDIX 2**

**Extract from submitted information by**

**Alison Brookes Architects**

***Executive Summary:***

*This document has been produced by Alison Brooks Architects,*

*as supplementary information in response to the Exeter*

*College, Walton Street Quadrangle planning conditions and*

*stakeholder feedback; to describe the final proposed finish*

*for the external roofing material and vertical sections of metal*

*cladding.*

*Over the last two years Alison Brooks Architects alongside*

*the Project Team, Planning and Conservation Officers and*

*Stakeholder Groups, have carefully developed the final*

*proposed material finish, the colour and pattern of the metal*

*rainscreen cladding.*

*The first chapter of this document will explain the proposed*

*rainscreen cladding specification, with a brief description of*

*the manufacturing processes undertaken in order to achieve*

*the proposed finish, colour, pattern and texture of the stainless*

*steel shingles.*

*The second chapter of this document will address stakeholder*

*feedback in relation to the reflectivity of the material,*

*by explaining the fundamental principles of reflectivity and*

*addressing stakeholder concerns with regards to solar heat*

*radiation onto Worcester Place.*

*As the law of reflection means that the angle of incidence is*

*equal to the angle of reflection, light will reflect according to*

*this law, regardless of whether the reflection occurs off a flat*

*surface or a curved surface. A convex surface will result in*

*the light splaying off a surface, this is commonly known as a*

*‘diverging reflection’. The second chapter of this document*

*will concentrate on identifying whether there is any significant*

*effect of oblique sun light hitting the vertical elevations of the*

*metal rainscreen cladding, primarily focusing, on the north*

*facing elevations to Worcester Place.*

*Therefore due to the principle of reflectivity, there is no possibility*

*of reflected light from curved surfaces impacting the*

*local context and streetscape.*

*In response to local stakeholder feedback, the second section*

*of this chapter will analyse the southerly angle of the sun Over…*

*hitting the pitched sections of the sloping roof, facing north.*

*The third chapter of this document will analyse the southern*

*elevation of the New Walton Street Quadrangle adjacent to*

*the Worcester College’s Grade I listed Gardens, looking at*

*the extent of the visible roofing material and vertical cladding.*

*This roof is interspersed with windows and dormers, and*

*is shaded by the evergreen Holm Oak trees of Worcester*

*College Gardens”.*