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 metalrainscreen 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".