



### School Site Location:

The site-Clayton St John C of E Primary is a small school located in Clayton, Bradford. The school only occupies approximately 1.2 hectares of land. The school buildings are mainly pitched standing seam roofs, with one or two flat roofs. The curtilage of the school site is adequately shrouded with trees, although the land towards the south is on a higher plane compared to the school area, the presence of these trees makes it very difficult to see the school roofs. The only entrance way into the school is 80 metres towards the north. The proposed installation will be positioned according to the orientation of the roofs. Most areas have no residences with proper visibility towards the school buildings, as they are obstructed by the presence of trees and as such the possibility of the proposed installation affecting the amenity of the area is highly unlikely.



### Proposed Design:

The proposed design for Clayton St Johns Community is 470 solar modules of 415Wp with a total generating capacity of 200 kWp on the flat and pitched roofs of the schools.

The solar panels would be of a standard design and appearance, proposed to run in rows according to the orientation of the building.





Google Location ii

Oct 2012



Google Location i

### View from Broadfolds Street:

Broadfolds street is to the southwest of the school along a cluster of residences. The school building is on a lower level compared to the residences. None of the panels are incident on them and the boundary of the site is separated from them by large trees, making discerning the school buildings incredibly difficult.

The drone photos recently taken from site show clearly the trees taller than the school roofs (yellow box) and providing coverage towards the residences present.



Up to date drone photos



*Location iii*



*Location ii*



*Location i*



### View from Beech Grove & Granville Street:

Granville street and Beech Grove are located towards the north although some of the school buildings are visible, they are in no way detrimental towards passers-by and residences in this area as the panels will be facing south or nearest south according to the orientation of the roof. Even though the panels have a possibility of being seen, they are coated with anti-glare. From the many glint and glare analyses we have previously conducted the likelihood of glint and glare from the panels will not be higher than the irradiance they experience from the sun daily.



### View from Throxenby Way:

The nearest roof slope of the school is 50 metres away from Throxenby Way. At this distance it is very difficult to ascertain the position of the school since it is well hidden from sight by its surroundings. The possibility of the panels creating impact other than positive one towards its surroundings under any circumstances is highly unlikely.