

# Housing Morphology in Manchester

Bentley House Estate, "RedBricks"

## Fieldwork & Analysis carried out by Christian Beros, Eirini Rafailaki



The Bentley House Estate is one of the few remaining parts of Hulme, Mancheste not to have undergone regeneration through demolition and new build. It has six blocks of three storeys high flats remain, with 248 homes in total. They were built in the late 40's early 50's of red brick - hence the local name of "Redmicks"

ware built in the late 40's early 50's of red btck - hence the locar hane of "Redbrick: The blocks are organized through a series of streets and green areas, and it is surrounded in the North and East sides by the highway and the West side by Huime Park. The Main entrances are in the street side of the Building while the back entrance to the Private garden is in the green area side, the common access to the flats is located in the boxes at the ground floor that are at the same time satisr access and storage boxes for the dwellers. The ground floor that has a back yard that is accessible from the inside of the flat and from common green area as well. Some Flats has Backneis boxing to the street and to green areas as well and they are used as storage tors come flats and in most of the cases are used to boxen and the storage boxes.







Road Path Priva Build 

ce of the nst the buildings area and also a





### ch Ques

How boundaries can affect the spatial and social structure of a city area? and How can we differentiate this Boundaries?

odology to study both siles the analysis has been developed in two main areas, Macroscal includes Visual Graphic Analysis (VGA) and Axial Analysis of each estate in order the relations between the estates, its surroundings and the whole structure of the oil incroscale which includes the convex space analysis, door types categories, building and permeability graphs with the purpose of clarify the internal relations of th as the provide the convex space analysis. And Mid facades

#### VGA a



le trist case (integration), is possible to ciclate the segregation in the East and h sides of Redbricks and the most rated lines the one that cross the way connecting both sides of the city the corner at the southwest of bricks. This suggests that the Highway an important role in the segregation of Northeast rows as well as the park at south of the eastel which blocks the the citor with the rest of Hulme.



diagra field's in which is the sy



e Fit of Int\_R3 By Int\_RN

Axial analysis



near Fit





The syntactical analysis of the area of Hulme where Redb are located might explain the observations and n substantial information about the complex's organization its social profile. The syntactic analysis was conducted part of Manchester of around 2.5 miles. Therefore, the or Mancnester of around 25 miles. Therefore, the sentations could be considered as axial break-ups, images allow concluding that very few lines of the sy, well integrated (n red colour). Mancunian Way sess Road are not as much integrated as one ne cu. On the contrary. Stretford Road and Chortton Road south and west part) present a high level of integra ming a strong influence in what regards to the linka ledbricks with the south and west part of Hulme.

mber of axial lines :1562 Mean Global Integration (Radius n) :1,177 Mean Local Integration (Radius 3) :1,6374 Mean Depth from Most Integrated :8,1749 ntegration (Radius-F ius) : 1,4815



20 to 26 7 to 14 Back Do
Gate/Ga
Main Ent Redbricks: Convex Analysis treaturing currencement The convex break-up (connetivity) demonstrates that the three s Redbricks are very well connected it could be stated that the streats support movement and permeability. This spatial typology users of the buildings - both the *inhabitants* and the 'visitors' -e the adorementioned streats. However, it may also be referred that Way and Princess Road have the character of 'Doundaries' for R while there is direct visibility towards the Estate, there is no acces closes to Princess Road row is actually the most disconnected Estate due to the *one-dimensional boundary* that the road creates. Bedbricks: C very front ngs the second and ween the fourth row are not Redirects In terms of land use, it is possible to argue that the Parks and communal facilities that are surrounding Rediric's have an exclusion effect in the estate, activities that are surrounding Rediric's have an exclusion effect in the estate. Regarding Visuel control it is possible to determine a difference in terms of control over the space between the open space that has the access to the fats an the genera areas that only have backdoors and windows, this leads in a lack of surveillance over the green areas which produce inscurre and unity places. In relation to *permeability* the Highway lines determine the movement through the state and the segregation of the pict from the rest of the Hulme development. The parks also have an important role in this disconnection due to he size of its borders that blocks continuity of the gid. In terms of *connectivity* the disconnection of the East rows is defined by degeness in the sigter which transforms Rediricks in a kind of Island between the parks and the highways. ks: J-graph from outside to the main entrances r to describe access and permeability, a basic re

er to describe access and permeability, a basic representational new asc onducted. The residential premises of Redrivicks are ghited in black colour, the outside (Jackson Crescent) is represented as with cross, the main entrances (access and permeability) as carent green dots and the convex spaces (that one finds from outside ds the deepset part of the Reddrivick) as untilled dots dotted and outside and the convex spaces (that one finds from outside ds the deepset part of the Reddrivick) as untilled dots outside and outside and the space of the space of the space and the space of the space of the space of the space and the space of th