



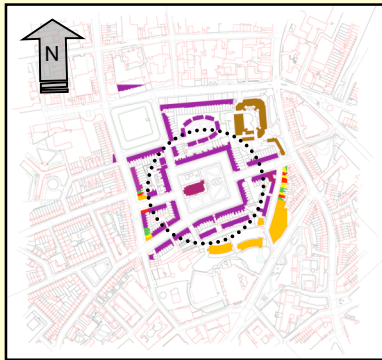
VivaCity2020

Housing Morphology in Clerkenwell

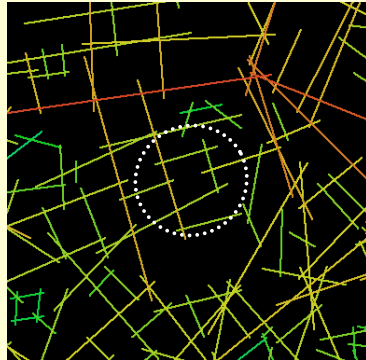
Myddleton Square

Fieldwork & Analysis carried out by Alfredo Gutierrez and Konstantinos Ioannidis

Land Use Map (estate plus surrounding buildings)



Radius-Radius Axial Map of the Broader Area



Background Information

- Estate located next to a **very busy area** (Pentonville Road / Upper Street / Angel)
- Easily accessible by means of public transport
- Originally built around 1830 - heavily **bombed** during the WW2 - **rebuilt** in 1948

Notes:

- Estate developed around a public square and St. Mark's church.
- Relatively highly globally integrated** axial lines (smooth transition from the most integrated streets towards the interior of Clerkenwell) The site could function as a passage.
- Quiet residential area

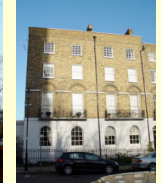
Variable	Value
Number of axial lines	4716
Mean Global Integration (Radius n)	1.2372
Mean Local Integration (Radius 3)	2.6328
Mean Depth from Most Integrated	10
Mean Integration (Radius-Radius)	1.4452
No. of cul-de-sacs (connectivity=1)	218



Myddleton Square

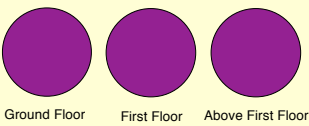


St. Mark's church



Myddleton Square

Estate Land Use Pie Charts: 100% Residential

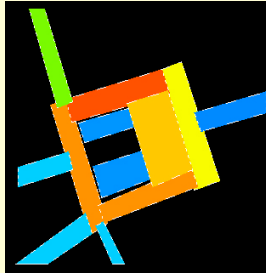


Variable	Value
(EPC) Housing unit Type	medium-large terraced houses
Purpose	built/converted
Year of original building	1830's
Year of conversion	
(EPC) ageband	pre 1850
Total site area	2422m ²
No. of storeys	4 (lower ground floor included)
Total area of building foot print	3786
no. of car parking spaces	none
no of dwelling entrances	4

Land Use Map (estate only)



Internal Spatial Structure Convex Map



Internal Spatial Structure Axial Map



Note: The "Supergrid" for the Internal Spatial Structure Axial Map is consisted by highly integrated streets: Pentonville Rd, Penton Rise, King's Cross Rd, Farringford, Rosebery Av, St. John's St.

Variable	Value
No. of internal axial lines	6 (system 69)
No. of convex spaces	12
Ratio of axial lines/convex spaces	0.5
Mean Global Axial Integration	1.4823 (system: 1.4347)
Mean Global Convex Integration	5.5981
Maze index	1.333
No-neighbours score	3
Separation index	0
Connectivity rate	57%
Neighbourliness score	18
Interface decomposition score	1

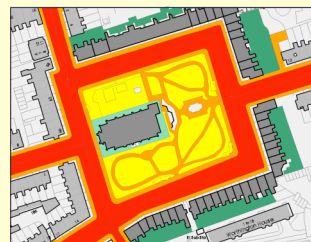
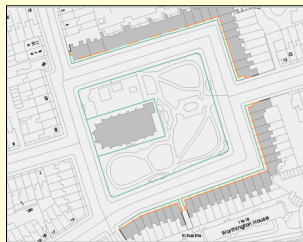
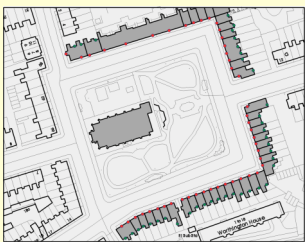
Notes:

- Residential area around a square.
- Complex includes **highly integrated paths** for its immediate urban context

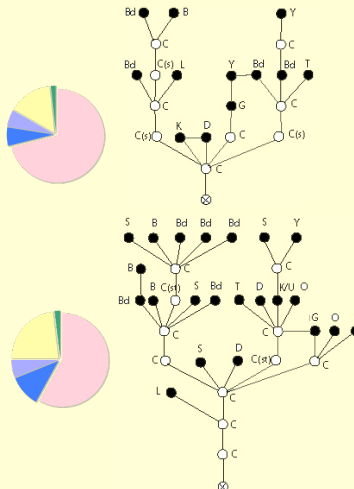
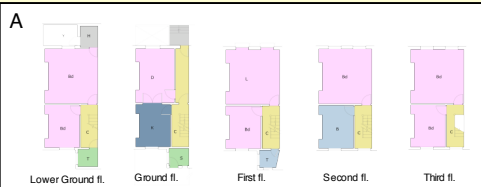
- Parts of the central element of the scheme (the square) are **highly segregated**
- Separation index = 0 (dwellings leading directly into the urban grid)
- Highly integrated central space** containing visible but segregated bits
- Homogeneity of public space's integration



- Active frontage
- Door & windows
- Doors only
- Windows only
- Upper visibility
- Black Wall
- High Opaque Fence
- High See through fence
- Low fence
- Very Low fence
- Road
- Path
- Vertical access
- Car park
- Common green/leisure
- Private garden/yard
- Restricted access
- Building
- Other



Flat Types (note: plans subject to further verification)



Notes:

- Two types of dwellings: (corner and "in-between" houses)
- Both types are **tree-like** structures, containing at least **one ring**
- The ground and the lower ground floor both meet in the back garden (G)
- The corner house has a **deeper deeper** than the middle one by two steps



Housing Unit	No. of Units	Total Area	No. of Living Spaces	No. of Bedrooms	No. of Bedspaces
Type A	45	307	6	8	13
Type B	4	260	13	6	12
Totals	49	567	19	14	25

Housing type	no. of convex spaces	no. of transition spaces	Mean Global Integration	Mean Depth from Threshold	No. of entrances
Type A	21	22	0.6972	3.619	1
Type B	33	33	0.7648	5.5758	1