The Beads make the string

How the input of individual stakeholders can improve the quality of public space in a neighbourhood

Reasons to move

Quality test Fazantstraat

Quality test Roodborststraat

physical issues

social issues

participation issues

“How can the physical quality of public space in the Vogelbuurt be improved and subsequently opportunities for improvement of social conditions be increased by using the involvement – both in design and execution – of inhabitants and owners as input?”

Flexible public space to be filled with individual interventions

Every inhabitant can contribute - can deliver his own bead - so together these private initiatives improve the quality of public space as a whole - form a string

Strategy

1. ADOPTION
   Adopt a neighbourhood by dwelling corporation

2. BE VISIBLE
   Involve inhabitants in projects in public space

3. INVOLVE + ENTHUSE
   Convert one dwelling into an “extension shop” functioning as a “modelhome” with extensions as well

4. PROTOTYPE
   Prepare and execute conversion street profile to make extensions possible

5. ADJUST + EXTEND
   Repeat step 5 + keep track of wishes in already converted streets

Residential street

Current street Profile → New street profile → Personal infills → Dwelling extensions

the studio aims at designing interventions that can offer the existing stock a sustainable future

current situation

new street profile + non-extension infills

new profile + dwelling extensions

Current situation

new street profile + infills

new profile + infills

“hidden green”

“lack of hybrid space”

“This is a bad neighbourhood”

“I don't care about my neighbourhood, only about my dwelling”

“econimical crisis”

“private ownership”

Every inhabitant can contribute - can deliver his own bead - so together these private initiatives improve the quality of public space as a whole - form a string

Prepared by using the Quality Test by Ewing et al. 2006

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Date: 23 May 2014

Studio “Transforming Housing Heritage”

RMIT, TU Delft

Tutors: Lidwine Spoormans, Wido Quist
Interventions

- Transition zone
- Dwelling extension
- Garden

Roodborststraat

- Public space
- Residential streets
- Parklet
- Garage replacement

Parklets

- Grey/red safety tiles
- Playground attributes
- Cindie Blocks
- Wooden seat
- Site cover plate
- Vegetation
- Vegetables
- Swinging trees

Location

Residential streets

Roodborststraat

Transition zone

Dwelling extension

Garden

Parklets

Grey/red safety tiles

Playground attributes

Cindie Blocks

Wooden seat

Site cover plate

Vegetation

Vegetables

Swinging trees

Neighbourhood post

Roodborststraat

Residential street

Location

Transition zone

Dwelling extension

Garden

Parklet

Garage replacement

Public space

Residential streets

Roodborststraat
**Extension roadmap**

**Step 1: choose your extension**

- **I. Where do you want to intervene?**
  - Broad bay
  - Narrow bay

- **II. Would you like a balcony or a “box”?**
  - B Box
  - B Balcony
  - N Box
  - N Balcony

- **III. Would you like to extend 1 or 2 meters?**
  - B2 Box
  - B1 Box
  - B2 Balcony
  - B1 Balcony
  - N2 Box
  - N1 Box
  - N2 Balcony
  - N1 Balcony

*For upper floor 2 meter offset is only allowed when the dwelling below has extended with a 2 meter box already*

**Step 2: compose your facade**

- **I. Find your mould**
  - 1
  - 2
  - 3

- **II. Choose your windows**
  - fixed
  - half opaque
  - total glass
  - tilt and turn
  - two frames
  - total glass
  - slide
  - half opaque

**Dwelling plan changes**
**Extension details**

- Concrete "Pynford" beam
- Square of IPE 140
- "balcony"
- Chemical anchors

**Construction**

- Plywood 2x 11 mm
- Damp proof layer
- C profiles filled with EPS 150 mm
- EPS insulation 50 mm
- High-pressure laminate plate (Trespa) 8mm

- Mounted steel, coated IPE 140
- Z profile

- Roofing
  - Sloped insulation
  - Plywood 18mm
  - C profiles filled with EPS 100mm
  - Damp proof layer
  - Resilient bars
  - Plasterboard 8mm

- Tiles
  - Waterproof layer
  - Sloped EPS
  - Plywood 18mm
  - C profiles 150 mm
  - High-pressure laminate plate (Trespa) 8mm

- UPE 220 embedded in mortar
- Extension of UPE 220 to secure drawbar
- Holonite plinth