

Wellbeing at Home

A study of the process and outcomes of home adaptations and reflections for future practice.



Tel: 0
Website: v

Email:
Twitter:

0208 941 5161 www.archadia.co.uk archadia@archadia.co.uk @ArchadiaArch



Acknowledgements





"There is strong evidence that minor home adaptations are an effective and cost-effective intervention for preventing falls and injuries, improving performance of everyday activities and improving mental health. Major adaptations have been less extensively studied, but the evidence shows that they can also support people in achieving these outcomes in some circumstances."

Room to improve: The role of home adaptations in improving later life, Centre for Ageing Better, November 2017

We would like to thank the following for providing help with this research:

- Jeremy Porteus, Housing LIN

- Paul Smith, Foundations
- Lucy Rogers, In House O.T Service
- Kingston Council, Kingston & Sutton Shared Environment Service
 - Sophie Morley, Consultant Archadia Chartered Architects
- The clients, families and Contractors who completed our surveys
- -Occupational Therapists involved in the concept and execution of the case studies

ARCHADIA CHARTERED ARCHITECTS

ARCHADIA CHARTERED ARCHITECTS

Archadia have been involved in designing for many different types of disability looking at the use a materials and technology to create spaces that feel like home.

Foreword



You can tell when a home adaptation has been well designed. It becomes more than a sum of its parts - a space that a disabled person can use and, just as importantly, wants to use. Yet, the designs for home adaptations are often criticised for looking more like a hospital than a home.

I started my career in an Architect's section of a local authority and spent many years draughting home adaptation schemes on a large antique drawing board. On reflection, many of the schemes I produced were similarly old fashioned so I was very pleased to meet Archadia Architects and hear their passion for improving the understanding of design principles.

This study looks at both the design process and the end product through the eyes of an Architect. How you take an initial brief from an Occupational Therapist and work with the family and other professionals to devise a scheme that works, not just now but for the long term. How good design is so essential to a sense of wellbeing.

Most adaptations involve reconfiguring existing space, which can limit the available options and usually is considered in two dimensions. Three of the studies here show the added complexity of creating new space, including additional regulations and the challenge of thinking in three dimensions - something an Architect is trained to do.

This is recommended reading for Occupational Therapists, Grants Officers and Technical Officers charged with delivering home adaptation projects.

Paul Smith Director Foundations

ARCHADIA CHARTERED ARCHITECTS ARCHADIA CHARTERED ARCHITECTS

Contents





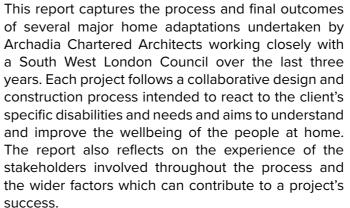
Archadia have a vast experience taking projects from concept to completion. We focus on inclusive design looking at how we can create environments fit for all occupants and users.

Introduction	1
Types of Adaptations	2
Well-Being	6
Stakeholders	8
Process	10
Case Study 01	12
Case Study 02	14
Case Study 03	16
Case Study 04	18
Feedback	20
Key findings and Reflections for Future Practice	23
Bibliography	25

ARCHADIA CHARTERED ARCHITECTS

ARCHADIA CHARTERED ARCHITECTS





and scale of home adaptation considering how this relates to planning and building regulations.

Section two introduces a holistic design approach developed by Archadia that puts wellbeing at the centre of the home experience and recognizes the interconnected nature of interventions with other

experience of stakeholders including; the end users, families, carers, council officers, occupational therapists, contractors and architect.

highlighting the different types of interventions and evaluating the opportunities and key issues in each context.





Section five outlines some of the findings from feedback received from different stakeholders.

Section six provides a final reflection on the social

value of these projects and will consider what can

be learnt from this inclusive small-scale process to

inform better practice in design approaches and more

This report hopes to contribute to the ongoing

dialogue about the positive impact that home adaptations can have on people, their families and

carers while also acknowledging the complexity of

managing the building process, public spending and working with vulnerable clients. It is hoped that it will

be used by both practitioners for solid examples of

larger scale adaptations in different typologies, as

well as a reference for families or people who are

trying to navigate the process of adapting a home to

innovation in the sector.

better meet their needs.

More than 90% of older people in England live in mainstream housing, as opposed to specialist housing or residential care. Most of these homes will not meet people's needs as they age yet many people prefer to stay at home and within their community for as long as possible. The UK governments Disability Facilities Grant (DFG) provides funding to adapt older and disabled people's homes to help address this problem. There is a growing body of evidence that suggests that these interventions can reduce admittance to hospital and improve people's health and wellbeing. Currently the research and case studies that reflect on the design process and delivery of these projects is limited.

Section one of the report presents different types

social factors.

Section three explores the wider process, and

Section four consists of four different case studies,

ARCHADIA CHARTERED ARCHITECTS ARCHADIA CHARTERED ARCHITECTS

Managing each stage of the process creates many opportunities and

unexpected issues can arise. Working collaboratively with all involved

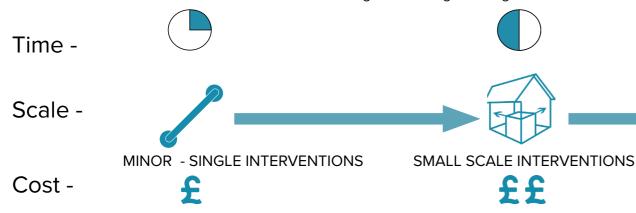
helps to reduce stress on site and meet the requirements of the user

throughout the project.

Types of Adaptations

Administered by councils and clinical commissioning groups through the Better Care Fund (agreed locally by Health and Well-being boards and jointly signed off by), the UK government's Disability Facilities Grant (DFG) provides Funding to adapt older and disabled people's homes addressing issues related to health risks and accessibility; these are classed as minor or major adaptations depending on the scope and budget.

The diagram below describes the different scales of adaptations from a single intervention like a grab rail (minor) to a larger extension (major) which might incorporate several different interventions. As the scale of the adaptation increase there are other factors which must be considered such as planning and building control, the scale will also affect the cost of the project and the time it will take to complete. When working on existing buildings there is often



NO PLANNING CONSENT

You should not need to apply for planning permission for small internal interventions including building or removing an internal wall. If you live in a listed building, however, you will need listed building consent for any significant works whether internal or external. Generally you do not need to apply for planning permission for repairs, maintenance or minor improvements

WHAT IS BUILDING CONTROL?

DEFINITIONS:

PERMISSION?

building.

WHAT IS PLANNING

must get from the local

authority before building

something to an existing

something new or adding

Official permission that you

Building Control Services ensures that buildings are designed and constructed in accordance current Building Regulations and regulation requirements.

WHAT IS THE PARTY WALL ACT?

It provides a framework for preventing and resolving disputes in relation to party walls, boundary walls and excavations near neighbouring buildings.

BUILDING CONTROL AND PARTY WALL

Not all internal alternations need Building Regulations approval. However if you wish to build a new internal wall, remove an internal wall, or form an opening in an internal wall, building regulations will normally apply.

conditions that could be uncovered as part of the project leading to increased cost and time on site.

Architects such as Archadia would generally be involved in remodelling or extending a home rather than a minor adaptation as this can usually be managed by a local handy-person, a surveyor, Occupational

hidden factors such as poor building fabric or structural Therapist (OT) and small contractor. The benefit of larger adaptations with multiple interventions is that a home can be future-proofed to cater for needs changing over time and offer a design-led process to achieving these changes.







MAJOR INTERVENTION - E.G. EXTENSION

£££

PERMITTED DEVELOPMENT (PD)

An extension or addition to your house is considered to be permitted development, not requiring an application for planning permission, subject to set limits and conditions. Bear in mind that the PD rights which apply to many common projects for houses do not apply to flats, maisonettes or other buildings. In some areas of the country, PD rights are more restricted, e.g. conservation areas.

The Planning Portal's general advice is that you should contact your local planning authority and discuss your proposal before any work begins. If you want to be certain that the existing use of a building is lawful for planning purposes or that your proposal does not require planning permission, you can apply for a 'Lawful Development Certificate'. It is not compulsory to have an LDC but there may be times when you need one to confirm that the use/operation/activity named in it is lawful for planning control purposes.

PLANNING CONSENT

The Householder Application for Works or Extension to a Dwelling form should be used for proposals to alter or enlarge a single house, including works within the curtilage of a house. If you have established that you need planning permission you should use the Householder Application form for projects such as; extensions, conservatories, loft conversions, dormer windows and alterations. The Planning Department should determine your application within eight weeks.

You should use the application form for Full Planning Permission if your application relates to any of the works relating to a flat.

If you are not clear whether you need to apply for planning permission or which application form you should use, please contact your local authority. Conservation areas and listed buildings have separate forms.

BUILDING CONTROL AND PARTY WALL CONTINUED

If your property is a semi-detached or terraced house, you will need to advise adjoining neighbours of your plans under the Party Wall Act 1996. The Party Wall Act is separate from obtaining planning permission or building regulations approval.

ARCHADIA CHARTERED ARCHITECTS 2 ARCHADIA CHARTERED ARCHITECTS 3

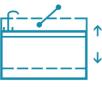
Types of Interventions



Projects funded by the DFG grant funding are part An emerging trend towards co-production in health as a lack of information on what is available many prevention could be helpful. do not want to adapt because of the stigma in the types of products available as well as put off by the Below is list of types of interventions that can be unfavourable borrowing terms and conditions. This utilised in a home adaptation. leads to adaptations happening in times of crisis or as a last resort, when they are most useful as a preventative measure.

of wider spectrum of domestic adaptations with and social care and from tackling 'health risks' to more informal approaches and self-financing. Older improving well-being suggests that an approach to people and their families have expressed that as well home adaptations that reflects early intervention and











FLOORING







ASSISTED BATHROOM

ONE DIRECTION **HOIST**

X-Y HOIST

RAMPS DOOR WIDENING

ACCESSIBILITY





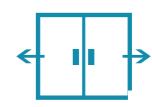


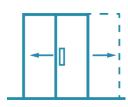




NATURAL LIGHT







LEVEL THRESHOLDS

ENCLOSED LIFTS

PLATFORM LIFTS

TECHNOLOGY AUTOMATIC DOORS

SLIDING **PARTITIONS**



LIGHT CONTROL



STAIR LIFTS



CONTRASTING COLOURS



OUTSIDE

NATURAL VENTILATION







5

Well-Being Approach



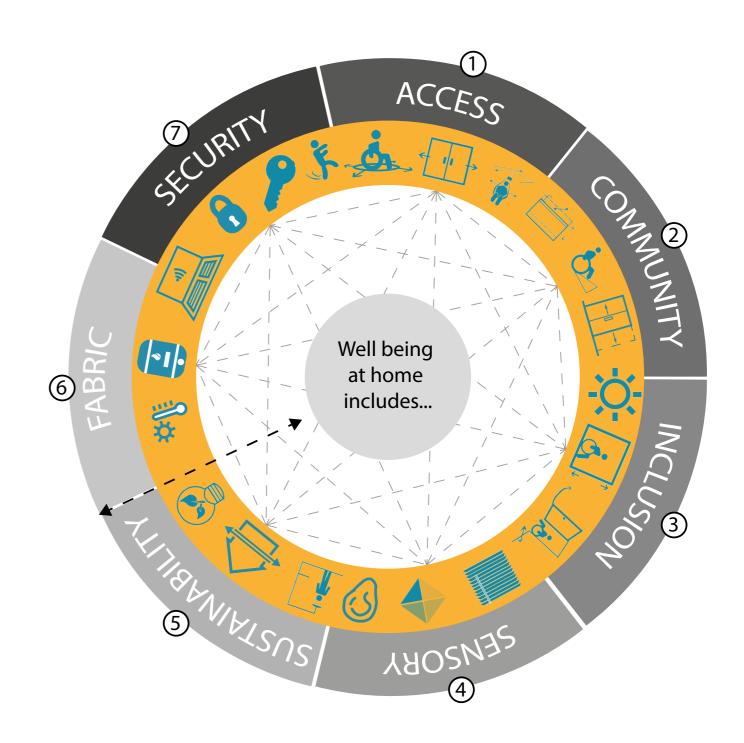
'Well-being encapsulates how we are faring, in all Typically, DFGs are focused on accessibility which domains of life, including financial, health, social, might mean providing a ramp or a level access personal and the local environment. It explores the question of how well older people are doing.' Age UK have a big impact on peoples lives; however, a well-Definition of Well-being.

There is no consensus on a single definition of wellbeing; however, there is general agreement on the someone's well-being. factors that affect a person's well-being such as physical and mental health, social connections, ability to engage in activities and work. Home environments can be an enabling or disabling factor in people's ability to undertake daily activities and engage in their wider community. The World Health Organisation recognizes that poor housing conditions can impact both physical and mental health.

'Poor housing conditions are one of the mechanisms through which social and environmental inequality translates into health inequality, which further affects quality of life and well-being.' WHO Housing and Health Guidelines 2018

Archadia have developed a holistic design approach which considers different factors that contribute to a person's well-being at home and how they are connected, this has been represented in the diagram opposite. This has been applied to the types of intervention that could contribute to improving a person's well-being. The method involves a survey of existing conditions and factors effecting well-being in the home, considering the person who the adaptation is for but also family members or care givers who will also be using the space. This process also hopes to provide more robust evidence of the impact of physical changes to the home on well-being.

shower in a home. These smaller interventions can being approach might also look at other factors in the design of the space such as light and ventilation, also the aesthetics of the space and how this might affect



A Collaborative Approach



Many architecture projects require high levels of when there is close involvement of families and carers collaboration. This is especially true in adapting homes for health and/or disability reasons and involves a multidisciplinary team that work together closely The diagram on this page represents the different with the family and the client throughout the process, stakeholders in a typical home adaptation project often project managed by a local Home Improvement funded through a DFG grant. In smaller adaptations Agency, Staying Put or Care and Repair Agency.

The Centre for Ageing Better's more recent research has highlighted that greatest outcomes are achieved

in decision making process.

all these stakeholders may not be involved.



CLIENT

The client can be an individual or family member looking to improve their home for an elderly or disabled person.



OCCUPATIONAL THERAPIST

Their role is to review the clients situation and make recommendations how to improve environments to meet their needs. They write the initial brief which informs the project.



HIA CASE WORKER

The Council review applications and try to fund improvements to help the client live safely and comfortably in their home.



ARCHITECT

The architect looks at the Occupational Therapist's (OT) evaluation and combines these recommendations into a proposal. They create a design brief from the recommendations of the OT.



CONTRACTOR

After the planning is granted or the design is complete a contractor will estimate a price and will work along side the council and architect to create the proposal.



FAMILY/CARER'S

Many people share the environment which is being adapted and have a say within the process. The adaptations are often work environments for carers, social workers, and home environments for other family members.

Understanding the Process



The diagram below describes the process involved in the Disabled Facilities Grant. It shows genuine user and practitioner feedback as well as the construction stages. It further demonstrates when different stakeholders become involved in the project and their respective roles in the planning and construction.

The time scale for these stages, start to finish vary depending on the site, lead times, how busy the council and contractors are etc. For smaller projects it can be fairly quick but larger scheme can take years to complete the whole process from trigger to review. There is a need to quicken the initial stages to get the client the required adaptation in a timely manner as set out in the Royal College of Occupational Therapist's guide, Housing Adaptations without Delay.

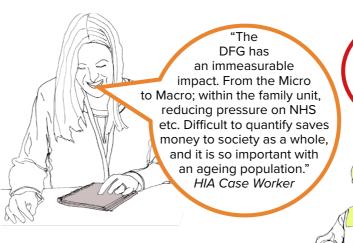
RIBA STAGES



needs to understand the basics of building and plumbing e.g. so they understand the drainage or why a WC can't be moved.

Architect and contractor need to trust and understand some basic functional and medical stuff and why when an OT says it needs to be this high and not this high they listen. Every inch or mm matters." Occupational

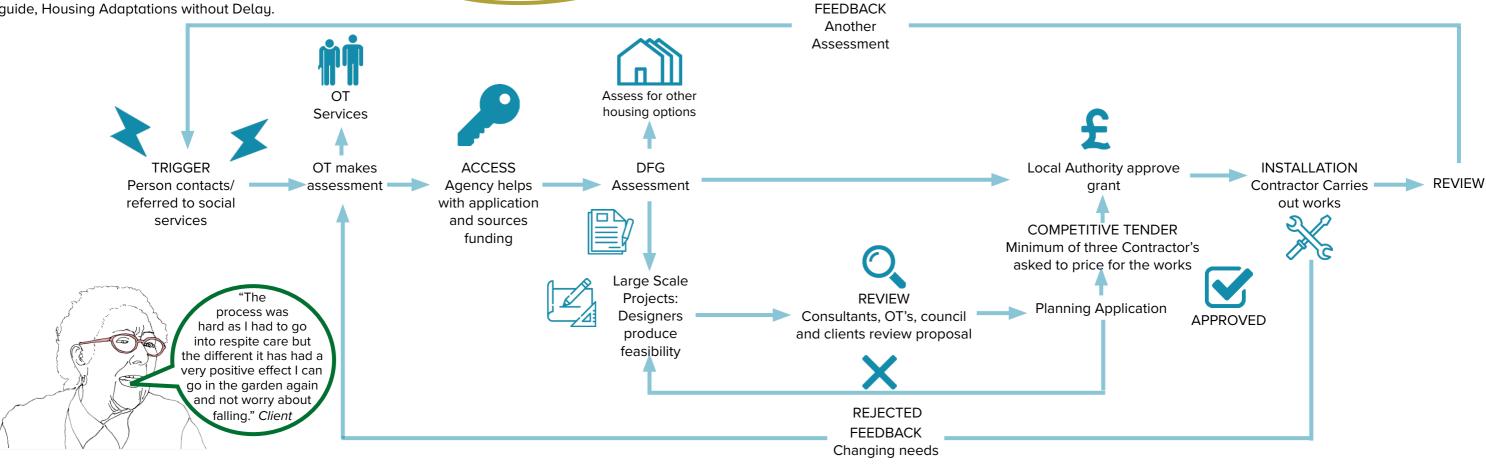
Therapist



"Communication with all parties throughout the process is key...The site meetings with all involved were extremely useful" Contractor



the multidisciplinary
nature of the projects and
learning about how to design
for different needs. It is a very
user centered process and I enjoy
working directly with the client.
At the end you can see the
real benefit to someones
life." Architect



"The RIBA Plan of Work organises the process of briefing, designing, constructing and operating building projects into eight stages and details the tasks and outputs required at each stage."

Concept Design

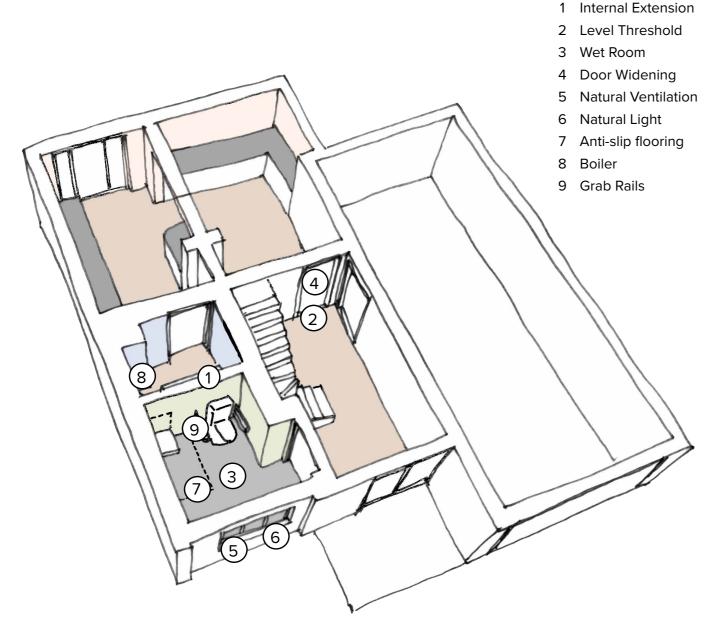
Preparation and Brief

Strategic Definition

3 Developed Design 5 Construction 6 Handover & In Use







GROUND FLOOR PLAN

CLIENT: Elderly Person STATUS: Complete LOCATION: New Malden

PROJECT TYPE: Internal Remodelling GRANT: Basic grant with discretionary top up

PROPOSAL

The project brief was to convert the existing garage into an accessible ground floor wet room with remaining space being used for a utility room for the family to be accessed from the kitchen. The client was an older man who was finding it difficult to access the bathroom on the first floor because of a long-term complex condition, this was affecting his wellbeing and impacted his family who cared for him. Works also included widening of doors to allow better access into the kitchen and making the ground floor level throughout.

OPPORTUNITIES

- By developing the existing garage into a wet room and utility room many of the brief objectives could be met. Furthermore, by adapting the kitchen the client could live more independently.
- Future proofing was important, although the client was walking with a frame at the time of the project ensuring wheelchair turning circles and wider doors was important.

KEY ISSUES

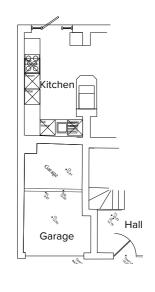
- The rear of the property had already been extended. This may meant that planning would have been required for extra extension if footprint had exceeded Permitted Development Rights.
- Further work to the rear of the property would require survey and removal of the asbestos in the store cupboard at the rear of the property.

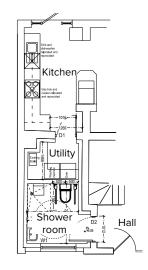


BEFORE PHOTOGRAPH



AFTER PHOTOGRAPH





BEFORE PLAN

AFTER PLAN

ARCHADIA CHARTERED ARCHITECTS 12 ARCHADIA CHARTERED ARCHITECTS 13























2 Level Threshold

3 Shower Room

4 Door Widening

Access Outside

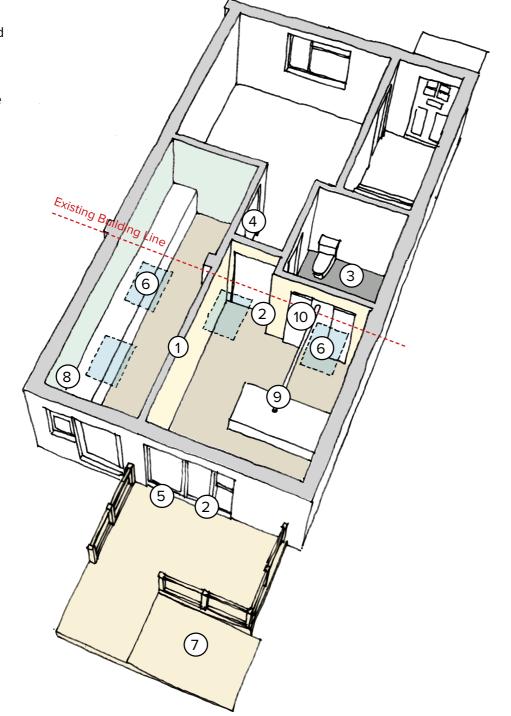
Natural Light

Ramps

8 Boiler

9 Hoist

10 Sliding Doors



GROUND FLOOR PLAN

CLIENT: Elderly Person STATUS: In Progress LOCATION: New Malden PROJECT TYPE: Extension

GRANT: Basic grant with discretionary top up

PROPOSAL

The client was bed ridden due to chronic arthritis and acute cerebral ataxia. The broken stair lift left the client stranded in the house. The family were unable to get the client out of bed and needed hoist provision and a wet room to help with bathing and hygiene. A fully accessibly single story extension to provide a new bedroom space with wet-room. Ground floor widening of doors for better access to kitchen as well as providing a light open space with access outside.

OPPORTUNITIES

- Using Permitted Developments rights reduced the initial time to create the drawings required, though a lawful development certificate was .
- Working in collaboration with other service providers allowed the brief to evolve to meet the deteriorating needs of the client. Collaboration between the Occupational Therapist, Architect, Councils case officer and Contractor was essential.
- This proposal also helped with general family life, the other occupant of the house was also older and frail and facilities would be of benefit to him as well.

KEY ISSUES

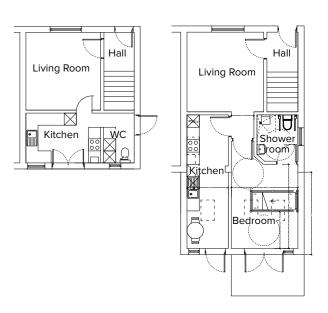
- Access to the property was limited which increased the complexity for the contractor.
- There were several different family members with contrary opinions about finishes and requirements. It highlighted the importance of getting a consensus from all stakeholders.



BEFORE PHOTOGRAPH



AFTER PHOTOGRAPH



BEFORE PLAN

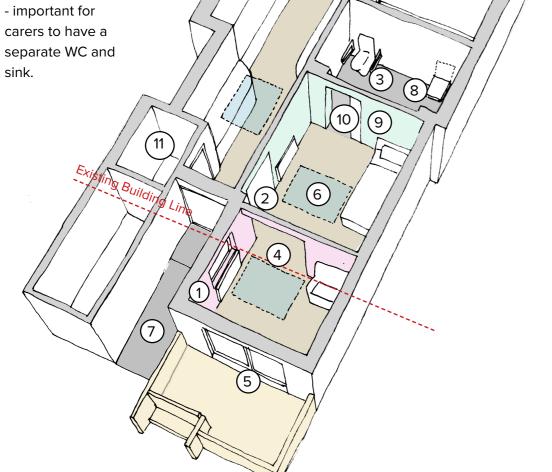
AFTER PLAN





- 1 Rear Extension
- 2 Level Threshold
- 3 Shower Room
- 4 Door Widening
- 5 Access Outside
- 6 Natural Light
- Ramps
- 8 Anti slip floor
- 9 Contrast
- 10 Sliding Partition
- 11 GF WC renovated
- carers to have a sink.

GROUND FLOOR PLAN



CLIENT: Elderly Person STATUS: Complete LOCATION: Chessington PROJECT TYPE: Extension

GRANT: Basic grant with discretionary top up

PROPOSAL

Client suffers from mobility issues and is prone to infection, needs provision of wet room as currently cannot access the shower upstairs as well as removal of trip hazards and steps on ground floor. The brief was to provide a fully accessibly single story extension to with a new self contained bedroom space and shared kitchen. This was proposed to be built in footprint of existing building. Works also included widening of doors to allow better access into the kitchen and making the Ground Floor level throughout.

OPPORTUNITIES

- · The architect, councils case officer and family worked closely to incorporate lots of personal elements which improved the clients well-being dramatically.
- · Working with a sensitive contractor allowed easy communication and reduced the stress on site.
- There was a strong vision for the project from the outset which has been developed collaboratively between the stakeholders.

KEY ISSUES

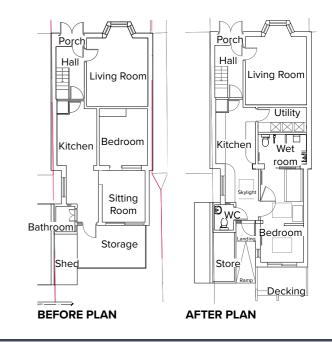
- The scale of the project meant that a prior approval was required from the council which cannot be fast tracked.
- · Working with existing buildings is complicated, on this project the building fabric was poor. Asbestos removal and disposal increased the cost and slowed progression.
- During the project the client had to go into respite, this was for longer than expected which was disruptive, increased stress and reduced the effectiveness of communication between the stakeholders.



BEFORE PHOTOGRAPH



AFTER PHOTOGRAPH



17

















7 Ramps

2 Level Threshold

8 Anti slip floor

3 Height Adjustable Bath 9 Contrast

4 Door Widening

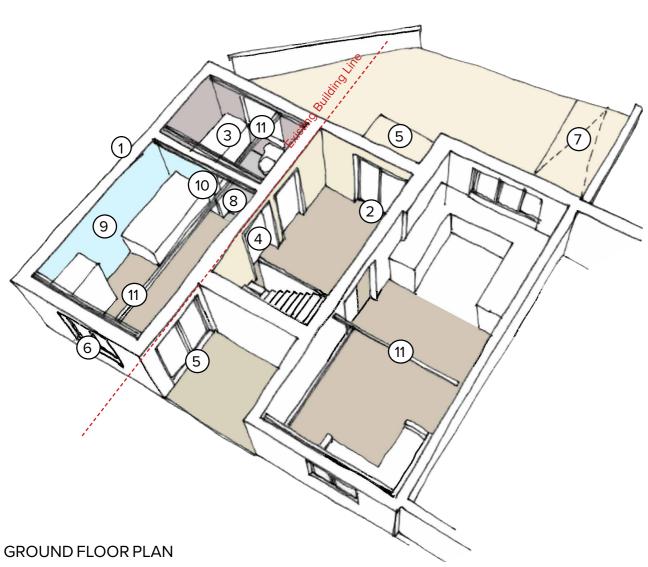
10 Sliding Partition

5 Access Outside

11 Hoist

6 Natural Light

12 Acoustics



CLIENT: Child STATUS: Complete LOCATION: Surbiton PROJECT TYPE: Extension

GRANT: Basic grant with discretionary top up

PROPOSAL

The project was for a disabled child to provide a fully accessible ground floor extension with a bedroom and wet room for the client. The scheme involved widening doors, non slip flooring, increasing natural light as well as making ground floor level throughout.

OPPORTUNITIES

- The house had a large plot allowing extension to the side and maintaining a good sized garden.
- Working collaboratively with all stakeholders allowed easy communication and reduced the stress on site.

KEY ISSUES

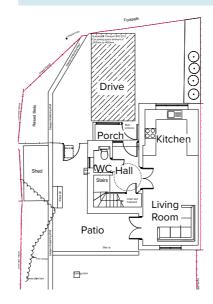
- · The first design proposal was rejected at planning due to certain planning constraints. This lengthened the design process and cost.
- The family remained in the house throughout construction which required careful planning of certain construction elements to align with children's holidays and school timings.



BEFORE PHOTOGRAPH



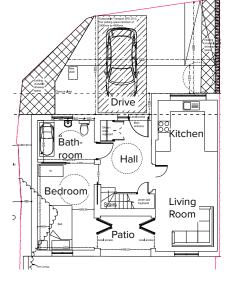
AFTER PHOTOGRAPH



EXISTING PLAN



PLANNING



PROPOSAL 2 PLAN - GRANTED PLANNING

ARCHADIA CHARTERED ARCHITECTS 18 ARCHADIA CHARTERED ARCHITECTS 19

Feedback - Key Findings



should not be underrated. Interpersonal and communication skills as well as technical explaining complex process to vulnerable people." HIA Case Worker

of people surveyed thought that Disabled Facilities Grant work required specialist knowledge _

of people surveyed believed they felt included in the decision making

were not many changes to the brief but the scope of the work changed as we uncovered a number of issues with the existing building that needed to be resolved such as asbestos and

why a WC can't be moved. Architect poor construction

and contractor need to trust and understand some basic functional

needs to

understand the basics of

building and plumbing e.g. so

they understand the drainage or

and medical stuff and why when an

OT says it needs to be this high and not this high they listen.

Every inch or mm matters."

Occupational

of people surveyed believed the designed worked exactly to the _family and clients _

themes to understand the process as well as the final output.

BRIEF AND DESIGN

The process to create the brief should allow time to explore and negotiate different options. It is common for the aspirations of the client and family to differ from the Home Improvement Agency or the Occupational Therapist, working towards a consensus between stakeholders is key.

Building regulations and other guidance do not cover all disabilities and requirements. There is a need for more legislation that recognises different conditions that are caused by ageing. This should focus on adaptation of existing dwellings as well as new build.

The design must consider the changing needs of the client. Developing a brief that future proofs the home will keep people in place for longer and save money in the future.

A multidisciplinary team including health, design and housing specialists is key to producing the right brief and also mitigating risks throughout the project.

SOCIAL IMPACT

Home adaptations have a wide social impact. Initially improving the client's living conditions and well-being, but also the benefit to the wider family and community.

There is also evidence of cost saving benefits to the NHS keeping older people at home reduces hospital admissions and readmissions, and costs for residential care. Much of this research focuses on minor adaptations, there is a need for more to be done in major adaptations.

There needs to be better indicators to measure the social impact of these projects looking closely at the holistic effect on the client and wider family.

Early referrals could increase the social impact of the DFG process to also be more preventative. Planning for the future and making sure that instead of having

A feedback questionnaire was developed using key to do multiple adaptations that one larger one could encompass the progression of the disability.

COLLABORATION AND COMMUNICATION

The construction process can be very confusing and stressful for vulnerable older people. It is essential the team builds trust with the client and listens to them to avoid conflict and confusion.

Different visual methods to communicate the design may need to be employed depending on the situation. Plan drawings and visuals can sometimes be difficult to read, marking things out at 1:1 to understand the size has been particularly useful.

Recognising the knowledge and value that each 'actor' brings to the process will foster a collaborative approach.

SPECIALIST KNOWLEDGE

Specialist knowledge is key for the team in this process. More training is required for designers in how equipment actually works, many rely on Part M guidance for access and mobility which is limited.

There is a need for more holistic design guidance that considers the principles of dementia-friendly design and the users lived experience.

The team should learn from each other and share knowledge. In many cases the architect learns detailed design specifications form the Occupational Therapist and they in turn can learn about basic plumbing for bathrooms.

Keeping up to date with the latest design and product innovations is important as the sector is changing. The role of the designer is to integrate features that support people but do not have the clinical appearance of a disabled adaptation.

Assistive technology could be better utilised in the DFG process, this would require more training for the team and family to understand how to apply this.

Reflections for Future Practice



This report aimed to capture the process and final outcomes of several major home adaptations Furthermore, we are using early cost estimates to undertaken by Archadia using a well-being approach. This research has been a way to critically reflect on the successes and areas which need improvement within the process and procedures.

The document highlights the decidedly collaborative nature of the DFG and how meaningful engagement with the end user, families and care givers will not only result in a better designed solution but also mean that the overall experience is a positive one. Working closely with occupational therapists becomes essential to understand the client's needs, also working closely with local authority to understand what is feasible under the grant and not raise expectations if additional money cannot be found is also important.

In our experience we have found that people in need of adaptations find it hard to know where to look for information and how the planning system works daunting. This document clarifies the connection between the construction, design process and the regulatory processes by showing how adaptations fit into the overall planning system and connecting the DFG process to the design/construction process.

We have found the most successful projects consider the potential progression of the illness/disability. Understanding the home experience through a wellbeing lens which incorporates environmental aspects as well as accessibility help to future proof the design and increase sustainability. When a client needs several alterations over a long period this requires several grants to be create which adds to the time and expensive of a project. By doing all the work in one go you reduce start-up costs and the administration required.

The main detracting element we have found is the length of process. There are several factors which can cause delays, this could be at the application stage, planning stages or even the lead in time for specialist equipment which causes clients some grievance. At Archadia we are focusing on stream lining the initial brief and consultation for the projects. We are using a proforma which quickly ascertains appropriate design

solutions based on the existing housing elements. help the council determine the scale and viability of a grant more easily. We need more joined up thinking between all the stakeholders and agencies involved. It is important to remember everyone is working towards the same goal.

From the local authority level there is a need to rethink processes to reduce the amount of time taken to get relevant approvals.

The process to create a DFG is highly reliant on the local authority, from the funding, planning application to building control. It is highly important to keep good communication throughout at all stages with all the different departments.

Moving forward Archadia are looking in the coming months to produce another piece of research focusing on adaptable interventions which can be re-used. With the majority of existing housing stock unsuitable for people as they age or those with disabilities. We want to look at reducing start-up costs and how innovative sustainable pre-fabricated structures could be used to speed up the DFG process. Our focus is trying to find a solution which can be quickly installed to reduce overall costs and time scales.

As well as this Archadia have been exploring the potential of developing a tool kit which looks at a user centred approach to home adaptation with universities, local authority partners and charitable organisations.



Borough HIAs at different job stages. Meaningful engagement with the

end user, families and care givers will not only result in a better designed solution but also mean that the overall experience is a positive one.

ARCHADIA CHARTERED ARCHITECTS 22 ARCHADIA CHARTERED ARCHITECTS 23

Bibliography

Room to improve: The role of home adaptations in improving later life, Centre for Ageing Better, November 2017

WHO Housing and Health Guidelines, World Health Organisation, 2018

Age UK Definition of Well-being. https://www.ageuk.org.uk/our-impact/policy-research/wellbeing-research/

Homes that help: A personal and professional perspective on home adaptations Centre for ageing better, July 2018

Disabled Facilities Grant (DFG) and Other Adaptations – External Review, Sheila Mackintosh, Paul Smith, Helen Garrett, Maggie Davidson, Gareth Morgan, and Rachel Russell, 2019

ARCHADIA CHARTERED ARCHITECTS 24 ARCHADIA CHARTERED ARCHITECTS 25



Tel: Email: Twitter:

0208 941 5161 Website: www.archadia.co.uk archadia@archadia.co.uk @ArchadiaArch

