Heritage Statement to Accompany Proposal for Upgraded Windows 40 Bridge Street, Belper, Derbyshire

Introduction/The Heritage Asset

The property is on Bridge Street in a Heritage Conservation Area. Our understanding is that the property was built circa 1880s. Please see **Illustration 1** and **Illustration 2** below for location plan and site plan.

The proposal and its impact

There are adverse impacts from living in the property (detailed below). As such we wish to upgrade the front facing windows from wooden single glazed to wooden double glazed. In keeping with the fabric of the property and the area, the upgraded double-glazed windows would be in a traditional heritage style in wood, sitting flush in frame and will be in keeping with the previous window style (i.e., like-for-like replacement).

Quality of life factors necessitating window upgrade:

1. **Cost of living crisis**. The property was built c1880s and is cold and drafty. Whilst a number of insulation works have been carried out on the property, it is extremely difficult to keep warm for a young family due to the current single glazed windows being the main source of heat loss in the house. Energy costs have risen to unprecedented levels[1], significantly increasing the financial burden to heat the property sufficiently in winter.
2. **Road noise from the A6**. Lorries, along with cars and motorbikes illegally breaking the speed limit, are creating a tremendous amount of noise in the property. In addition, many motorbikes are producing an illegal level of noise from removing the exhaust baffle[2]. There are no traffic calming measures, visible police action or other reduction measures in place on Bridge Street to counter this. High traffic noise has been documented to cause health effects in adults and children[3][4].
3. **Traffic pollution can ingress into the property** because of the condition of the windows. If the windows were upgraded, this would mitigate this. Road pollution have a documented impact on health in adults and children[5][6].

[1] What is the energy price cap and how high could bills go? - BBC News
[2] UK Motorcycle Exhaust Laws and Regulations [2022] Begin Motorcycling (begin-motorcycling.co.uk)
[3] https://www.theguardian.com/environment/2022/jun/02/traffic-noise-slows-childrens-memory-development-study-finds
[4] https://www.theguardian.com/society/2021/sep/09/transport-noise-linked-to-increased-risk-of-dementia-study-finds
[5] https://ukdataservice.ac.uk/case-study/road-pollution-and-childrens-respiratory-health/
[6] https://www.london.gov.uk/what-we-do/environment/pollution-and-air-quality/health-and-exposure-pollution

Window Materials:

The existing and proposed upgraded window materials are set out below (all for the front of the property).

Existing windows materials and finishes:

Wooden single glazed windows on ground, first and second floor at front of property. White frame in black surround.

There is one sash window on the first floor, all other windows are casement, with the window on the second floor a dormer window.

Proposed upgraded materials and finishes:

Traditional heritage style wood double glazed windows on ground, first and second floor at front of property in like-for-like match of previous style.

White flush-fitting in frame to fit in existing black surround. Please refer **Illustrations 3-8** for current windows photos and **pages 9-15** for the upgraded windows drawings.

Impact

Whilst the property is in a Heritage Conservation Area and is subject to Article 4 controls, many properties on Bridge Street have standard uPVC double glazed windows which are non-heritage, are not wood and are not flush-fitting in-frame.

Our proposal is for heritage wooden double-glazed windows with flush-fitting in frame style, in as close a style as possible to the existing windows, but with the benefits of double glazing. As such there is no expected impact on the fabric of the building and no expected harm caused to the heritage of Bridge Street.

Illustrations

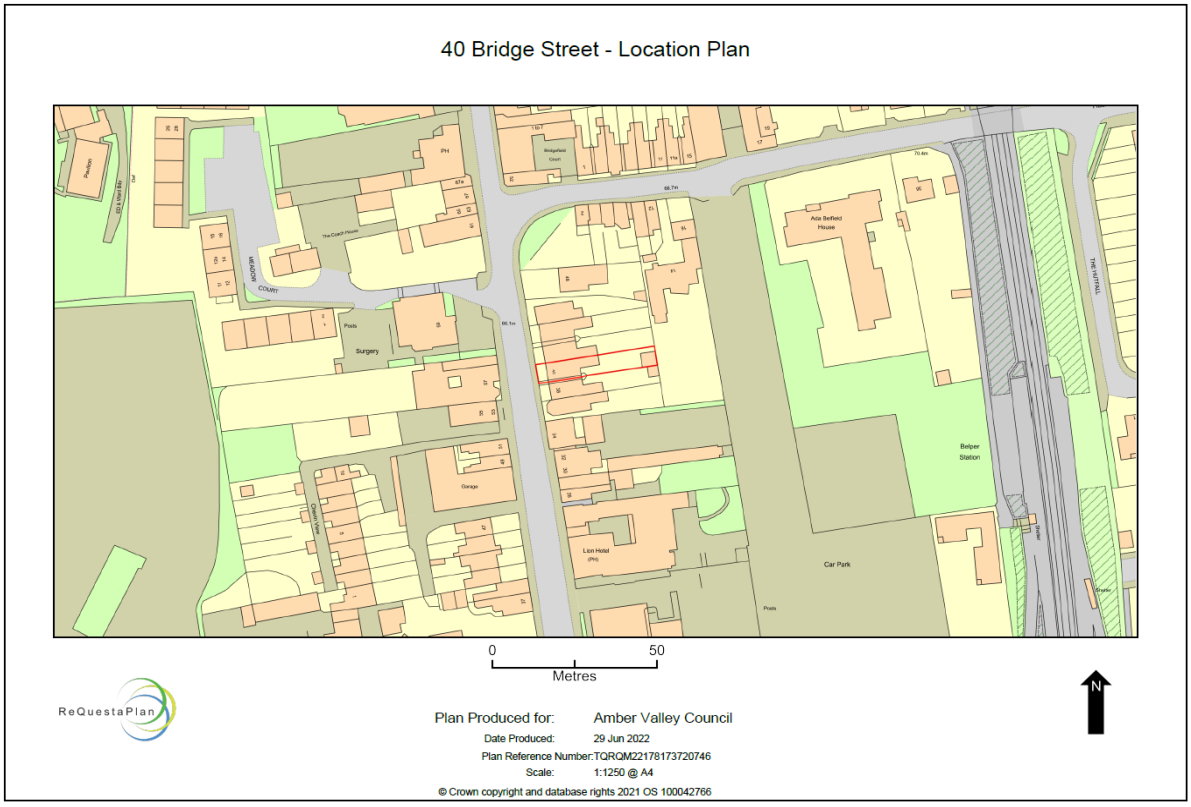


Illustration 1. Location plan



Illustration 2. Site plan



Illustration 3. Demonstrating Ground Floor Bay Window, First floor Casement Window (right), and Sash Window (left), and Second Floor Dormer Window



Illustration 4. Ground floor Bay Window



Illustration 5. Ground floor Bay Side (left, facing the property)



Illustration 6. Ground floor Bay Side (right, facing the property)



Illustration 7. First floor Casement window (right) and Sash window (left)



Illustration 8. Second floor Dormer window

Upgraded Windows Drawings

ITEM DETAIL

General Information:

- All drawings are viewed from the outside.
- Dimensions are actual window sizes.
- Excludes all internal or external trims as standard.

Key to abbreviations:

Frame

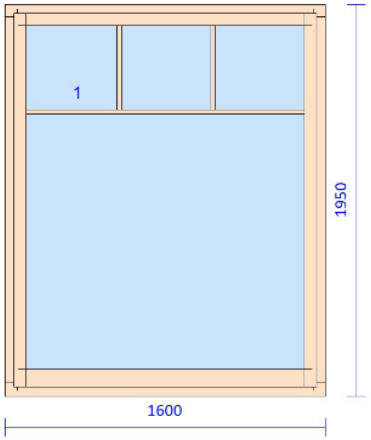
CE = Cill Extension | **CSE** = Cill Side Extension | **WBG** = Window Board Groove

Glass

Arg = Argon | **Kry** = Krypton | **AcLam** = Acoustic Laminated Glass | **Lam** = Laminated Glass

Ground floor Bay Window (1 of 2)

15 1 No.



Flush Casement Window (C2-81-59)
Timber : Engineered Softwood (FSC Certified)
CE/WBG: Yes / No
Frame Drips: No
Sash Bar: 21mm Standard Astragal + IB
Finish Fr In: Traffic White - RAL 9016
Finish Fr Out: Jet Black - RAL 9005
Finish Sash: Traffic White - RAL 9016
Gasket: White
Glazing: 8.8mm Lam / 16 Arg / 6mm Tough-1.2 with a Black Warmedge Spacer
Hardware: Original Collection in Gold

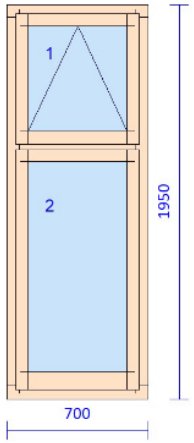
#	Hinge	.	Additional Information	.
1	Fixed			

U_w Value: 1.2W/m2K
Approx Weight: 621180096 kg

1 No.	*Square Bay Main - Supplied Loose*
1 No.	*Remmers MS 150 Elastic Sealing Compound*
1.61 m	*Arch Fillet (20mm thick) - Supplied Loose* *Height: TBC* *Timber: Engineered Softwood (FSC)* *Finish: Finished as item*

Ground floor Bay Window (2 of 2)

16 *1 No.*



Flush Casement Window (C2-81-59)

Timber :	*Engineered Softwood (FSC Certified)*
CE/WBG:	*Yes / No*
Frame Drips:	*No*
Finish Fr In:	*Traffic White - RAL 9016*
Finish Fr Out:	*Jet Black - RAL 9005*
Finish Sash:	*Traffic White - RAL 9016*
Gasket:	*White*
Glazing:	*2 No. 6.8mm Acoustic Lam / 16 Arg / 4mm Tough-1.2 with a Black Warmedge Spacer*
Hardware:	*Original Collection in Gold*

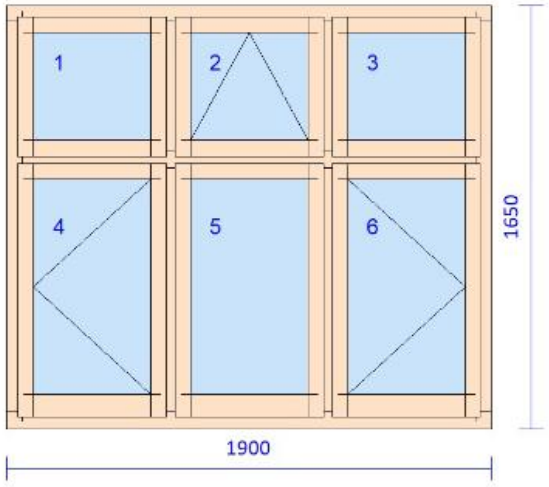
#	*Hinge* .	*Additional Information* .
1	*Standard*	
2	*Fixed*	

U_w Value:	*1.4W/m2K*
Approx Weight:	*50 kg*

2 No. *Square Bay Additional - Supplied Loose*

First floor Bedroom 1 Casement Window

11 *1 No.*



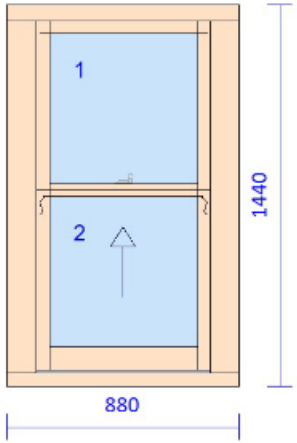
Flush Casement Window (C2-81-59)

Timber :	*Engineered Softwood (FSC Certified)*
CE/WBG:	*Yes / No*
Frame Drips:	*No*
Finish Fr In:	*Traffic White - RAL 9016*
Finish Fr Out:	*Jet Black - RAL 9005*
Finish Sash:	*Traffic White - RAL 9016*
Gasket:	*White*
Glazing:	*6 No. 6.8mm Acoustic Lam / 16 Arg / 4mm Float-1.2 with a Black Warmedge Spacer*
Hardware:	*Original Collection in Gold*

#	Hinge	Additional Information
1	Fixed	
2	Standard	
3	Fixed	
4	Standard	
5	Fixed	
6	Standard	

U_w Value:	*1.4W/m2K*
Approx Weight:	*118 kg*

First floor Bedroom 2 Sash Window



Box Sash Window (S1-174-59)

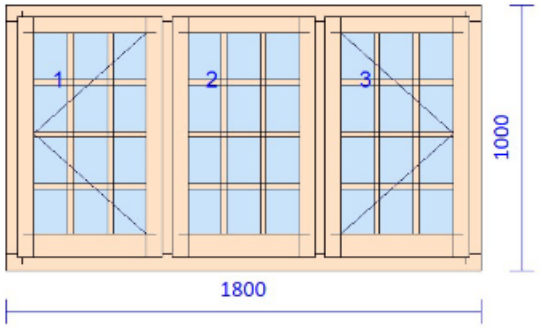
Timber Frame:	*Engineered Softwood (FSC Certified)*
Timber Cill:	*Grandis Hardwood (FSC Certified)*
Timber Sash:	*Engineered Softwood (FSC Certified)*
Timber Linings:	*Grandis (FSC Certfied)*
CE/ WBG:	*No / No*
Finish Fr In:	*Traffic White - RAL 9016*
Finish Fr Out:	*Jet Black - RAL 9005*
Finish Sash:	*Traffic White - RAL 9016*
Gasket:	*White*
Glazing:	*2 No. 6.8mm Acoustic Lam / 16 Arg / 4mm Tough-1.2 with a Black Warmedge Spacer*
Hardware:	*Polished Brass*

#	*Horns*	*Additional Information*
1	*Type A*	*Fixed; 20mm Stops*
2	*None*	*Standard Lifts*

U_w Value:	*1.4W/m2K*
Approx Weight:	*67 kg*

Second floor Bedroom Dormer Window (1 of 3)

12 *1 No.*



Flush Casement Window (C2-81-59)

Timber :	*Engineered Softwood (FSC Certified)*
CE/WBG:	*Yes / No*
Frame Drips:	*No*
Sash Bar:	*21mm Standard Astragal + IB*
Finish Fr In:	*Traffic White - RAL 9016*
Finish Fr Out:	*Jet Black - RAL 9005*
Finish Sash:	*Traffic White - RAL 9016*
Gasket:	*White*
Glazing:	*3 No. 6.8mm Acoustic Lam / 16 Arg / 4mm Float-1.2 with a Black Warmedge Spacer*
Hardware:	*Original Collection in Gold*

#	Hinge .	Additional Information .
1	Standard	
2	Fixed	
3	Standard	

U_w Value: *1.4W/m2K*

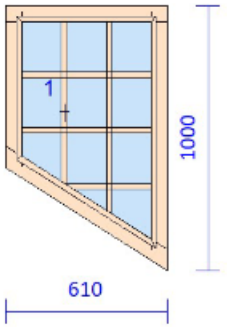
Approx Weight: *71 kg*

1 No. *Square Bay Main - Supplied Loose*

1 No. *Remmers MS 150 Elastic Sealing Compound*

Second floor Bedroom Dormer Window (2 of 3)

13 ***1 No.***



Flush Casement Window (C2-81-59)

Timber :	*Engineered Softwood (FSC Certified)*
CE/ WBG:	*No / No*
Frame Drips:	*No*
Sash Bar:	*21mm Standard Astragal + IB*
Finish Fr In:	*Traffic White - RAL 9016*
Finish Fr Out:	*Jet Black - RAL 9005*
Finish Sash:	*Traffic White - RAL 9016*
Gasket:	*White*
Glazing:	*6.8mm Acoustic Lam / 16 Arg / 4mm Float-1.2 with a Black Warmedge Spacer*
Hardware:	*Original Collection in Gold*

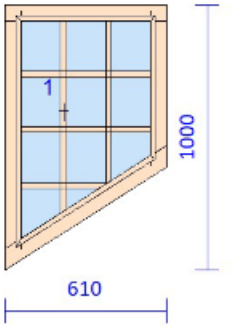
#	*Hinge* .	*Additional Information* .
1	*Direct Glazed*	

U_w Value:	*1.4W/m2K*
Approx Weight:	*18 kg*

1 No. *Square Bay Additional - Supplied Loose*

Second floor Bedroom Dormer Window (3 of 3)

14 *1 No.*



Flush Casement Window (C2-81-59)

Timber :	*Engineered Softwood (FSC Certified)*
CE/ WBG:	*No / No*
Frame Drips:	*No*
Sash Bar:	*21mm Standard Astragal + IB*
Finish Fr In:	*Traffic White - RAL 9016*
Finish Fr Out:	*Jet Black - RAL 9005*
Finish Sash:	*Traffic White - RAL 9016*
Gasket:	*White*
Glazing:	*6.8mm Acoustic Lam / 16 Arg / 4mm Float-1.2 with a Black Warmedge Spacer*
Hardware:	*Original Collection in Gold*

#	Hinge	.	Additional Information	.
1	Direct Glazed			

U_w Value:	*1.4W/m2K*
Approx Weight:	*18 kg*

1 No. *Square Bay Additional - Supplied Loose*