

## PRELIMINARY CONSERVATION REVIEW OF EXISTING STRUCTURES AT THE FORMER ARDAGH AND BARNAGH RAILWAY STATIONS

Existing structures.

Summaries of the history, conditions and current descriptions of both structures have previously been outlined in some detail in reports as follows:

Feeney McMahon - Barnagh condition report, June 2019

D Humphreys, ACP - Ardagh condition report, October 2019

Eddie O'Donovan - Ardagh & Barnagh, Preliminary structural reports, March 2020

A visual inspection and photographic record of the structures was carried out on 12<sup>th</sup>. March 2020.

This preliminary review of conservation concerns is based on this inspection and these earlier appraisals.

Both structures, despite suffering from longer term neglect, still appear to be inherently sound. Masonry in both locations is stable apart from some localised defects, several instances of water ingress damage and foliage growth. None of these appear to compromise the integrity of the structures at this time however they need to be addressed as a matter of urgency so to secure the buildings for future usage.

Roof structures in both cases have deteriorated beyond repair and need complete renewal. However there are sufficient sections and details of the roofs still extant to allow for a faithful reinstatements.

Similar comments relate to internal and external joinery.



Ardagh station from railway line, March 2020

## ARDAGH - overview

Externally: Basic stone masonry sound. Embedded foliage needs to be carefully removed. Chimney, coping and platform stonework needs to be dismantled and re bedded. Roofs need to be reinstated to existing details.



Chimney masonry and wall copings in poor condition

Internally: Defective ground and first timber floor structures need to be removed. Ground floor to be cleaned out and all debris and decayed timbers removed from sub floor level. Sleeper walls to be retained. Brick noggin / stud partition walls to be pinned at level of first noggin to allow repairs to defective lower section of wall. Stairs to be propped following removal of any defective timbers in contact with floor or partition wall base.



Joinery: All remaining joinery (windows, shutters, skirtings, architraves, doors, barge boards, handrails etc.) needs to be carefully recorded, retained and stored for future reference.



Similar comments apply to the Ardagh goods shed



Clockwise:  
Sliding doorway, landside. Sliding mechanism detail. Extant roof structure. Trackside entrance with sound lintel and relieving arch in place and flagstone paved floor.



Trackside view coming from station building

## BARNAGH -overview

Externally stone and brick masonry appear to be basically sound however more foliage and debris need to be removed to fully clarify this.



Clockwise:

Paved platform and brick entrance archway. View of rear. Defective roof / guttering and damp brick / stone masonry. View of roof condition through rear sliding sash window. First floor missing. Roof structure needs complete reinstatement and masonry opens repaired. As at Ardagh there remain sufficient examples of window, door, staircase etc. joinery to allow for

accurate replacements.

Summary of interim permanent and temporary conservation works proposed to stabilise and make structures weather tight as a means to eliminating risk and preventing further deterioration of the structure, thus ensuring its survival into the future.

## ARDAGH

Demolish modern concrete blockwork extensions, retaining original joinery stored in garage.

Scaffold entire exterior to allow for detailed inspection of masonry etc.

Rake out and re-point defective lime mortar and remove all cementitious pointing followed by raking out and lime mortar repointing.

Take down and re build defective stonework to opes, chimneys, parapets, copings, etc.

Introduce lead flashings as previously required and also for any protrusion greater than 150mm.

Record and dismantle existing roof structure.

Retain ornate barge boards to gables and dormer windows for reinstatement patterns.

Salvage rafters for assessment for later re use.

Reinstate entire roof structures, barges and soffites from wall plate upward using timber sections matching existing.

Re slate roof areas with existing / salvaged slates of similar colour, gauge and dimensions.

Fit new cast iron or cast aluminium rainwater goods (half round gutters and circular down pipes)

Drain rainwater away from buildings via new gully traps and soakaways.

Lower ground level as required and install a perimeter french drain

Retain and rebed stone flags forming platform and also floor of goods shed.

Fix maintenance free sheeting to plain timber framing in existing window and external door opes with exception of main entrance door which should be reinstated per salvaged details.



Cementitious pointing to be removed



Limestone ashlar masonry in good condition but

and re pointed with lime mortar  
New ornate barge board required

requiring lime mortar pointing.

As noted earlier the load bearing internal stud/noggin brick infill partition walls have been adversely affected by water ingress at the base and flanking the external walls. These should be secured and repaired as outlined in Eddie O'Donovan's report. The repaired work should rest on a firm base such as a concrete lintel and incorporate a DPC. Retained and repaired timber framing should be treated with wood preservative.



Hallway. Modern concrete floor slab running from front doorway to base of stairs to be removed. Decayed stair timbers to be cut back to firm wood and temporarily propped in situ. Brick paved floor under stairs to be retained.



View of stud/noggin brick walls from landing  
Timber lintel at landing window to be replaced

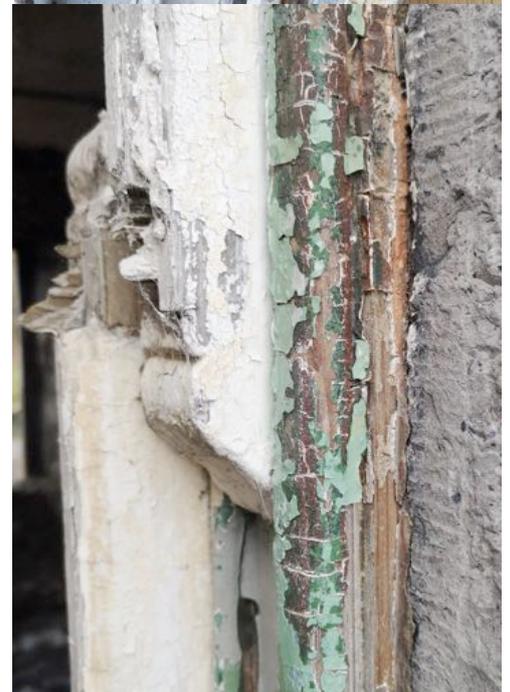
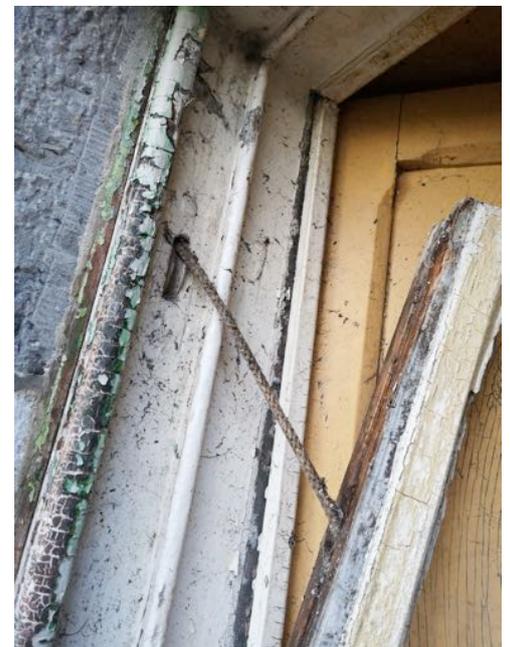
There are a good range of original joinery remnants on site, both in the main house and the modern garage including:

Window sashes  
Internal paneled doors  
External paneled platform door to station and sheeted doors to former toilets  
Architraves,  
Shutters,  
Staircase, ballusters and handrail  
Barge boards  
Sliding door to goods shed

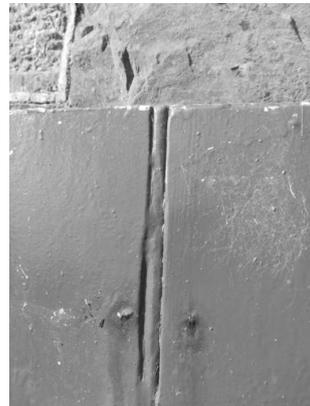
The locations of these should be recorded and the items labelled before being put into safe storage.



Ornate barge board details to gables and dormers. Note cementitious mortar on gable stonework.



Original 6 over 6 sliding sash window frames and sections to be retained for reproduction.



Clockwise:  
Ground floor 4 panel door and architrave detail  
WC timber sheeted door and detail  
First floor 4 panel doors and architraves

## BARNAGH

Scaffold entire exterior to allow for detailed inspection of masonry etc.

Rake out and re-point defective lime mortar and remove all cementitious pointing followed by raking out and lime mortar repointing.

Take down and re build defective stonework to opes, chimneys, parapets, copings, etc.

Introduce lead flashings as previously required and also for any protrusion greater than 150mm.

Record and dismantle existing roof structure.

Salvage rafters for assessment for later re use.

Reinstate entire roof structures, barges and soffites from wall plate upward using timber sections matching existing.

Re slate roof areas with existing / salvaged slates of similar colour, gauge and dimensions.

Fit new cast iron or cast aluminium rainwater goods (half round gutters and circular down pipes)

Drain rainwater away from buildings via new gully traps and soakaways.

Lower ground level as required and install a perimeter french drain

Retain and rebed stone flags forming platform.

Fix maintenance free sheeting to plain timber framing in existing window and external door opes with exception of main entrance door which should be reinstated per salvaged details.



Rear ground floor sliding sash window and frame detail showing sash cord pulleys and early roller blind mechanism.

Masonry pointing in poor repair.

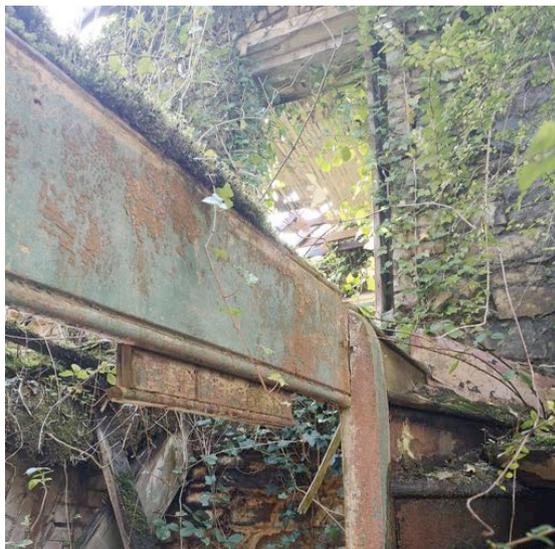
Barnagh – fabric to be retained



Architrave sample.



Window reveal detail  
2 over 2 sliding sash frames



Platform paving  
Cast iron fire surround  
Stair / landing detail

