

**From:** Ben Savage  
**Sent:** 15 February 2023 13:38  
**To:** Megan O'Mara  
**Subject:** RE: 2023/0055 Beck Hole Bridge

Hi Megan,

The clay pipes will protrude approximately 25mm out from the structure in case there is runoff down the face of the bridge. However, there will not be a significant amount of flow (if any) coming out from these pipes as they are more to prevent hydrostatic pressure build-up, so we have no concerns for future issues. The two new gulley's will remove the majority of the water runoff, and will be connected to the existing drainage system that is already outflowing into the river. This should also have no effect on the bridge due to its current outfall location downstream of the bridge.

All stones are planned to be numbered and put back in the same order and place as existing. I have attached the contractors initial method of works which also states this.

Kind Regards

Ben Savage

Assistant Engineer – Bridges and Design Services  
North Yorkshire County Council

## METHOD STATEMENT

	<b>Reference Number:</b>	2818 - 1		<b>Job Briefing Sheet</b>
	<b>Version Number:</b>	01	<b>Effective Date:</b>	
<b>Client Contract Title:</b>	Fell Beck Bridge Strengthening NYCC		<b>Contract No:</b>	2818
<b>Site Address:</b>	Fell Beck Bridge – HG3 5ET		<b>Start Date:</b>	20/02/2023
<b>Prepared by:</b>	Danny Long		<b>Duration:</b>	4 Weeks
<b>Overview of site details</b>				
The proposed work area is located at the Beck Hole bridge in Beck Hole, the structure spans Ellerbeck. The structure is Grade 2 listed with both residential and commercial properties at either approach. A 4" water pipe and electrical cable cross the structure.				
<b>Overview of works</b>				
<ul style="list-style-type: none"> <li>• Site Setup</li> <li>• Installation of Traffic Management</li> <li>• Vegetation removal</li> <li>• Installation of Scaffolding Platforms and Public Walkway</li> <li>• Dismantling and Rebuilding of Stone Work</li> <li>• Excavation</li> <li>• Installation of Drainage</li> <li>• Installation of Concrete</li> <li>• Reinstatement</li> <li>• Surfacing to the Footways and Carriageway</li> </ul>				
<b>Overview of plant and equipment to be used</b>				
<ul style="list-style-type: none"> <li>• 3T Excavator w/blockgrab</li> <li>• 3T Dumper</li> <li>• Road Saw</li> <li>• 2 Stroke Breaker (if required)</li> </ul>				
<b>Overview of site specific environmental controls</b>				
<ul style="list-style-type: none"> <li>• A visual environmental survey will be carried out before works commence</li> <li>• Drip trays and spill kits are to be available at the refuelling area</li> </ul>				
<b>Methodology of the works</b>				
<ul style="list-style-type: none"> <li>• Traffic Management will be installed by OTM and maintained by PBS</li> <li>• A work area is to be created using Heras fencing, this is to encompass the work area and welfare/plant storage</li> <li>• All areas of proposed excavation are to be CAT scanned and cross referenced with all available service information, trial holes are to be carried out to accurately locate buried services</li> </ul> <p style="text-align: center;"><b>Site Setup</b></p> <ul style="list-style-type: none"> <li>• The welfare unit and storage container is to be positioned to the North of the structure (not within 10m of the watercourse)</li> <li>• A plant storage area will be set up in the agreed location (see Andrew Thorley)</li> <li>• All areas are to be secured by means of Heras fencing</li> </ul> <p style="text-align: center;"><b>Installation of Scaffolding</b></p> <ul style="list-style-type: none"> <li>• All scaffolding will be installed in accordance of Sky Scaffoldings RAMS</li> </ul> <p style="text-align: center;"><b>Dismantling of Parapet Walls</b></p>				

- All stones are to be numbered during the dismantling process
- Larger stones are to be freed from the mortar bed using hand tools
- Strops are then to be installed and connected to the excavator
- The stones will be carefully lifted and set to store from the work area
- All copings and parapet stones thereafter are to be removed using hand tools and the large kerb grab
- All stones are to be set to store adjacent to the site compound

**Excavation**

- The existing carriageway is to be saw cut using the road saw
- Existing tarmac is to be broken out using the excavator and pecker attachment
- The waste materials are then to be excavated and removed to tip
- Once the tarmac is removed the excavation will further progress in 500mm layers over the full length of the works until the top of the main arch barrel over Span 2 is reached
- The excavation will carefully continue in 500mm layers until the abutment stones are reached Note: the proposed excavation is not to proceed below the abutment springer point

**Dismantling of the Spandrel Walls**

- All spandrel stones are to be numbered during the dismantling process
- Stones are to be taken down in progression of the excavation using hand tools
- The stones are to be lifted out using strops with lifting accessories, the large kerb grab and Lewis Pins where required
- All stones are to be set to store

**Installation of concrete**

- Concrete is to be brought to site in mixer wagons
- The material will be carefully deposited inbetween the newly built stone work and existing fill using the excavator
- The material is to be installed in layers not exceeding 500mm

**Surfacing of the Footways and Carrigeway**

- All planing and surfacing is to be carried out by the chosen contractor in accordance of their RAMS

**Emergency plans, including Accident & Emergency hospital**

**ROUTE TO LOCAL HOSPITAL**  
 Scarborough General Hospital  
 Woodlands Drive  
 Scarborough

**Daily Specific Site Briefing and Checks**

<b>Date:</b>					
	<input type="radio"/>	<b>Daily site check completed?</b>	<input type="radio"/>		<input type="radio"/>
<b>Today's work detail:</b>				<ul style="list-style-type: none"> <li>- Overview of Daily Laying Plan, including congestion areas?</li> <li>- Areas critical to quality?</li> <li>- Targeted outputs?</li> <li>- Start and finish point?</li> </ul>	

<b>Summary of today's key hazards from the working environment, including weather:</b>		- Communicate today's risks and control measures.
<b>Permits required:</b> Permit to Excavate		- Excavation - Hot works
<b>First-Aider:</b>		
<b>Names of Banksman and Vehicle Marshal:</b>		
<b>Subcontractors checks (please tick to indicate check has been completed)</b>		
Plant inspections completed		Risk assessments and method statement approved
All operatives aware of PBS site rules?		CSCS/CPCS/MPQC/Other
<b>Daily checks – To be verified each day and signed by Supervisor or Foreman</b>		
<b>Items to be discussed</b>	<b>Y/N</b>	<b>Comments</b>
Are all site personnel inducted, trained and authorised?		
Are site personnel fit for work – physical/mental/emotional?		
Are there any medical conditions or current prescribed drugs being used? Is the foreman/supervisor aware?		
Have all plant operators completed a daily defect report, and have previously reported defects been closed out?		
Are there any new substances being used, and is there COSHH data available for the substance?		
<b>End of Shift Review – To be discussed with gang (* items for Supervisor/Foreman only)</b>		
<b>Items to be discussed/completed</b>	<b>Y/N</b>	<b>Comments</b>
Have all incidents and safety observations been reported and discussed?		
Does quality and workmanship meet required standards?		
Time and parking location agreed for the next shift?		
Plant parking agreed?		
Site paperwork completed e.g. Site Diaries and Daily site checks		

**Variances to Job Briefing Sheet**

**Notes of changes**

**Signature**

