

 The above structure conveys the Nant Cylla watercourse beneath Commercial Street and Penallta Road



Proposed to replace an approximate 60m length of the culvert deck slab.



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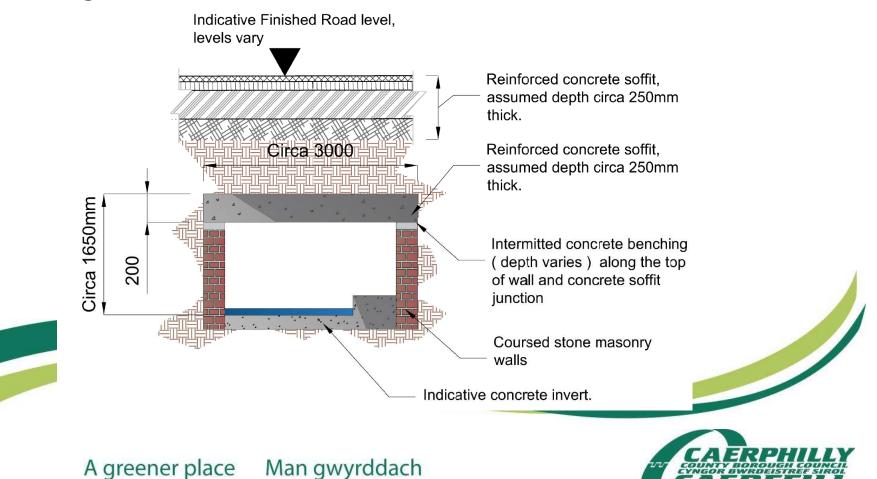
Defects comprise spalling, section loss & extensive corrosion.



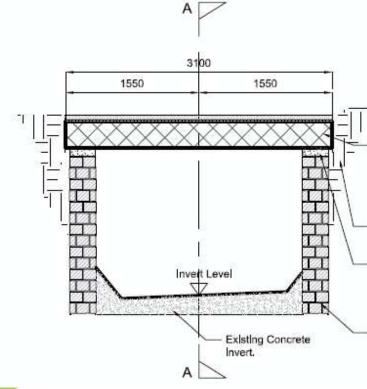
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Existing construction



• Proposed remediation.



Proposed prefabricated reindorced concrete slab by Shay Murtagh OSA. Prefabricated slabs to withstand typical live loading to maximum of 40 tonnes + 30HB Units and to be designed with current British design standards and regulations. Environmental factor to be considered - Burled, Wet rarely dry, freeze / thaw & de-icing salts, Contractor is to make allowance within his design for waterproofing system to be in accordance with appropriate standards.

6N fill material to existing to sides of wall where required.

Where required, benching to be constructed to level to accommodate new prefabricated beams. Rapid setting non shrink concrete / grout to be used as per Cemex Prompus concrete (to BS EN 206-1 and

BS 8500-2) or SikaGrout-111 GP (to BS EN 1504-6) OSA. Minimum strength gain of 30N/m2 after 24 hours in order to accommodate new pre-tensioned box sections.

Coursed stone masonry walls to remain as per its exiting arrangement. Where the
existing wall is showing structural distress that can undermine the proposed demolition
works, CCBC's Structures team must be informed immediately

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• 3D Survey Information followed by questions.

